Astrodienst Ephemeris Tables

from the year 1600 for 50 years

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

Astrodienst AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

ASTRODIENST EPHEMERIS for the year 1600
geocentric

JANUARY 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 39 25	9♑59'07	14♋47	17♑28	17°R57	17°R29	20°R54	27♎23	27°R14	27°R43	21°R17	0°R24	1♒30	7♎20	3°R38	S 1
S 2	6 43 22	11° 0'16	27°54	19° 7	17♐45	17♌19	20♌50	27°27	27♈14	27♌42	21♈17	0°D23	1°27	7°27	3♌34	S 2
M 3	6 47 18	12° 1'24	10♌42	20°46	17°35	17° 8	20°45	27°30	27°14	27°41	21°17	0♒23	1°23	7°33	3°30	M 3
T 4	6 51 15	13° 2'33	23°13	22°26	17°27	16°56	20°40	27°34	27°14	27°40	21°17	0°25	1°20	7°40	3°26	T 4
W 5	6 55 11	14° 3'41	5♍29	24° 5	17°22	16°44	20°35	27°37	27°14	27°39	21°D17	0°26	1°17	7°47	3°22	W 5
T 6	6 59 8	15° 4'50	17°33	25°45	17°19	16°30	20°30	27°40	27°D14	27°38	21°17	0°27	1°14	7°53	3°18	T 6
F 7	7 3 5	16° 5'58	29°28	27°24	17°D19	16°16	20°24	27°44	27°14	27°37	21°17	0°29	1°11	8° 0	3°14	F 7
S 8	7 7 1	17° 7'06	11♎20	29° 4	17°21	16° 1	20°19	27°47	27°14	27°36	21°17	0°29	1° 7	8° 7	3° 9	S 8
S 9	7 10 58	18° 8'14	23°13	0♒43	17°26	15°46	20°13	27°50	27°14	27°35	21°17	0°R29	1° 4	8°14	3° 5	S 9
M10	7 14 54	19° 9'22	5♏12	2°22	17°33	15°30	20° 7	27°52	27°14	27°33	21°17	0°29	1° 1	8°20	3° 1	M10
T 11	7 18 51	20°10'30	17°22	4° 0	17°42	15°13	20° 1	27°55	27°14	27°32	21°17	0°28	0°58	8°27	2°56	T 11
W12	7 22 47	21°11'37	29°45	5°38	17°54	14°55	19°55	27°58	27°15	27°31	21°17	0°26	0°55	8°34	2°52	W12
T 13	7 26 44	22°12'44	12♐27	7°14	18° 7	14°36	19°49	28° 1	27°15	27°30	21°17	0°25	0°52	8°40	2°48	T 13
F 14	7 30 40	23°13'51	25°29	8°49	18°23	14°17	19°43	28° 3	27°15	27°28	21°18	0°24	0°48	8°47	2°43	F 14
S 15	7 34 37	24°14'58	8♑51	10°23	18°41	13°58	19°36	28° 5	27°16	27°27	21°18	0°24	0°45	8°54	2°39	S 15
S 16	7 38 34	25°16'03	22°32	11°54	19° 1	13°38	19°29	28° 8	27°16	27°26	21°18	0°23	0°42	9° 1	2°34	S 16
M17	7 42 30	26°17'08	6♒31	13°23	19°23	13°17	19°23	28°10	27°17	27°24	21°18	0°D23	0°39	9° 7	2°30	M17
T 18	7 46 27	27°18'12	20°43	14°48	19°46	12°56	19°16	28°12	27°18	27°23	21°19	0°23	0°36	9°14	2°25	T 18
W19	7 50 23	28°19'15	5♓ 3	16°11	20°12	12°34	19° 9	28°14	27°18	27°21	21°19	0°24	0°32	9°21	2°21	W19
T 20	7 54 20	29°20'17	19°28	17°29	20°39	12°12	19° 2	28°16	27°19	27°20	21°19	0°24	0°29	9°27	2°16	T 20
F 21	7 58 16	0♒21'18	3♈51	18°41	21° 7	11°49	18°55	28°18	27°20	27°19	21°20	0°R24	0°26	9°34	2°12	F 21
S 22	8 2 13	1°22'18	18°11	19°49	21°38	11°26	18°47	28°19	27°21	27°17	21°20	0°24	0°23	9°41	2° 7	S 22
S 23	8 6 10	2°23'17	2♉22	20°49	22° 9	11° 3	18°40	28°21	27°21	27°16	21°20	0°D24	0°20	9°48	2° 2	S 23
M24	8 10 6	3°24'14	16°24	21°43	22°43	10°40	18°33	28°22	27°22	27°14	21°21	0°24	0°17	9°54	1°58	M24
T 25	8 14 3	4°25'11	0♊14	22°28	23°17	10°16	18°25	28°24	27°23	27°13	21°21	0°24	0°13	10° 1	1°53	T 25
W26	8 17 59	5°26'05	13°52	23° 4	23°53	9°52	18°18	28°25	27°24	27°11	21°22	0°25	0°10	10° 8	1°49	W26
T 27	8 21 56	6°26'59	27°18	23°31	24°31	9°29	18°10	28°26	27°25	27°10	21°22	0°25	0° 7	10°14	1°44	T 27
F 28	8 25 52	7°27'51	10♋31	23°47	25° 9	9° 5	18° 2	28°27	27°27	27° 8	21°23	0°26	0° 4	10°21	1°40	F 28
S 29	8 29 49	8°28'43	23°31	23°R53	25°49	8°41	17°55	28°28	27°28	27° 7	21°23	0°26	0° 1	10°28	1°35	S 29
S 30	8 33 45	9°29'32	6♌18	23°47	26°30	8°17	17°47	28°29	27°29	27° 5	21°24	0°R26	29♑58	10°35	1°31	S 30
M31	8 37 42	10♒30'21	18♌53	23♒31	27♐12	7♌53	17♌39	28♎30	27♈30	27♌ 3	21♈24	0♒26	29♑54	10♎41	1♌26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 7	24n 5	1n25	24s27	2s 7	18s 9	4n49	19n15	3n49	15n27	0n57	8s17	2n26	10n 1	0s31	12n51	0n36	7s33	17s 6	20s 7	19s52	7s14	11n56	7s39
S 2	23 2	20 51	0 14	24 14	2 8	18 1	4 56	19 21	3 51	15 29	0 57	8 18	2 27	10 1	0 31	12 52	0 36	7 32	17 5	20 7	19 53	7 17	11 57	7 39
M 3	22 57	16 41	0s57	23 59	2 7	17 53	5 2	19 26	3 53	15 31	0 57	8 19	2 27	10 1	0 31	12 52	0 36	7 32	17 5	20 7	19 54	7 20	11 57	7 40
T 4	22 51	11 52	2 3	23 42	2 7	17 47	5 8	19 32	3 56	15 33	0 58	8 20	2 27	10 1	0 31	12 52	0 36	7 32	17 5	20 6	19 54	7 23	11 58	7 40
W 5	22 45	6 42	3 2	23 24	2 6	17 41	5 14	19 38	3 58	15 34	0 58	8 21	2 27	10 1	0 31	12 53	0 36	7 31	17 4	20 6	19 55	7 26	11 59	7 40
T 6	22 38	1 22	3 52	23 5	2 4	17 36	5 18	19 44	4 0	15 36	0 58	8 22	2 28	10 1	0 31	12 53	0 36	7 31	17 4	20 6	19 56	7 29	11 59	7 40
F 7	22 31	3s56	4 31	22 43	2 2	17 32	5 22	19 51	4 2	15 38	0 58	8 23	2 28	10 1	0 31	12 54	0 36	7 31	17 4	20 6	19 56	7 32	12 0	7 41
S 8	22 24	9 5	4 59	22 20	1 59	17 29	5 26	19 57	4 5	15 40	0 58	8 24	2 28	10 1	0 31	12 54	0 36	7 30	17 3	20 5	19 57	7 35	12 1	7 41
S 9	22 16	13 54	5 14	21 56	1 56	17 26	5 29	20 4	4 7	15 42	0 59	8 25	2 28	10 2	0 31	12 54	0 36	7 30	17 3	20 5	19 58	7 37	12 2	7 41
M10	22 7	18 14	5 15	21 30	1 52	17 24	5 32	20 11	4 9	15 44	0 59	8 26	2 29	10 2	0 31	12 55	0 36	7 30	17 2	20 6	19 59	7 40	12 2	7 41
T 11	21 58	21 53	5 3	21 2	1 48	17 23	5 34	20 18	4 11	15 46	0 59	8 26	2 29	10 2	0 31	12 55	0 36	7 29	17 2	20 6	19 59	7 43	12 3	7 42
W12	21 49	24 38	4 36	20 33	1 42	17 22	5 35	20 25	4 13	15 49	0 59	8 27	2 29	10 2	0 31	12 56	0 36	7 29	17 2	20 6	20 0	7 46	12 4	7 42
T 13	21 39	26 14	3 55	20 3	1 36	17 22	5 36	20 32	4 15	15 51	0 59	8 28	2 29	10 2	0 31	12 56	0 36	7 28	17 1	20 6	20 1	7 49	12 5	7 42
F 14	21 29	26 26	3 2	19 32	1 29	17 23	5 37	20 40	4 16	15 53	1 0	8 28	2 30	10 2	0 31	12 57	0 36	7 28	17 1	20 7	20 1	7 52	12 5	7 42
S 15	21 19	25 8	1 57	18 59	1 22	17 24	5 38	20 47	4 18	15 55	1 0	8 29	2 30	10 2	0 31	12 57	0 36	7 28	17 1	20 7	20 2	7 55	12 6	7 42
S 16	21 8	22 19	0 43	18 26	1 13	17 26	5 38	20 55	4 20	15 57	1 0	8 30	2 30	10 3	0 31	12 58	0 36	7 27	17 0	20 7	20 3	7 58	12 7	7 42
M17	20 56	18 8	0n34	17 52	1 4	17 28	5 37	21 2	4 21	16 0	1 0	8 30	2 30	10 3	0 31	12 58	0 36	7 27	17 0	20 7	20 3	8 1	12 8	7 42
T 18	20 45	12 53	1 50	17 17	0 54	17 30	5 37	21 10	4 23	16 2	1 0	8 31	2 31	10 3	0 31	12 59	0 36	7 26	17 0	20 7	20 4	8 4	12 9	7 42
W19	20 33	6 53	3 1	16 42	0 42	17 33	5 36	21 17	4 24	16 4	1 1	8 31	2 31	10 3	0 31	12 59	0 36	7 26	16 59	20 7	20 5	8 7	12 10	7 42
T 20	20 20	0 30	4 0	16 7	0 30	17 36	5 34	21 25	4 25	16 7	1 1	8 32	2 31	10 4	0 31	13 0	0 36	7 25	16 59	20 7	20 5	8 10	12 11	7 43
F 21	20 7	5n53	4 44	15 32	0 17	17 39	5 33	21 32	4 26	16 9	1 1	8 32	2 31	10 4	0 31	13 0	0 37	7 25	16 58	20 7	20 6	8 13	12 12	7 43
S 22	19 54	11 55	5 10	14 58	0 4	17 43	5 31	21 40	4 27	16 12	1 1	8 32	2 32	10 4	0 31	13 1	0 37	7 25	16 58	20 7	20 7	8 16	12 13	7 43
S 23	19 40	17 16	5 17	14 25	0n11	17 47	5 29	21 47	4 28	16 14	1 1	8 33	2 32	10 5	0 31	13 1	0 37	7 24	16 58	20 7	20 8	8 19	12 14	7 43
M24	19 26	21 38	5 5	13 53	0 26	17 51	5 27	21 55	4 29	16 17	1 1	8 33	2 32	10 5	0 31	13 2	0 37	7 24	16 57	20 7	20 8	8 22	12 15	7 43
T 25	19 12	24 44	4 35	13 23	0 42	17 56	5 24	22 2	4 30	16 19	1 2	8 33	2 33	10 5	0 31	13 2	0 37	7 23	16 57	20 7	20 9	8 25	12 16	7 42
W26	18 57	26 20	3 51	12 56	0 59	18 0	5 21	22 9	4 31	16 22	1 2	8 33	2 33	10 6	0 31	13 3	0 37	7 23	16 57	20 6	20 10	8 28	12 17	7 42
T 27	18 42	26 21	2 54	12 31	1 16	18 5	5 18	22 16	4 31	16 24	1 2	8 34	2 33	10 6	0 31	13 3	0 37	7 22	16 56	20 6	20 10	8 31	12 18	7 42
F 28	18 27	24 52	1 48	12 9	1 33	18 9	5 15	22 23	4 32	16 27	1 2	8 34	2 33	10 7	0 31	13 4	0 37	7 22	16 56	20 6	20 11	8 34	12 19	7 42
S 29	18 11	22 4	0 38	11 51	1 51	18 14	5 12	22 30	4 32	16 29	1 2	8 34	2 34	10 7	0 30	13 5	0 37	7 21	16 56	20 6	20 12	8 37	12 20	7 42
S 30	17 55	18 13	0s32	11 37	2 8	18 19	5 8	22 37	4 32	16 32	1 2	8 34	2 34	10 8	0 30	13 5	0 37	7 21	16 55	20 6	20 12	8 39	12 21	7 42
M31	17s39	13n37	1s40	11s26	2n24	18s23	5n 4	22n43	4n32	16n34	1n 3	8s34	2n34	10n 8	0s30	13n 6	0n37	7s20	16s55	20s 6	20s13	8s42	12n22	7s42

Julian Day Number = 2305447.5, Delta T = 88.81 sec
Ecliptic obliquity = 23°29'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'28, Lahiri = 18°16'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

FEBRUARY 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 41 39	11♒31'08	1♍15	23°R 3	27♐56	7°R29	17°R31	28♎31	27♈32	27°R 2	21♈25	0°R24	29♉51	10♎48	1°R22	T 1
W 2	8 45 35	12°31'54	13°26	22♒26	28°40	7♌ 5	17♌23	28°31	27°33	27♌ 0	21°25	0♒23	29°48	10°55	1♌17	W 2
T 3	8 49 32	13°32'39	25°27	21°39	29°25	6°42	17°15	28°32	27°34	26°59	21°26	0°21	29°45	11° 1	1°13	T 3
F 4	8 53 28	14°33'23	7♎23	20°44	0♉11	6°18	17° 8	28°32	27°36	26°57	21°27	0°19	29°42	11° 8	1° 8	F 4
S 5	8 57 25	15°34'06	19°15	19°42	0°58	5°55	17° 0	28°32	27°37	26°55	21°27	0°17	29°38	11°15	1° 4	S 5
S 6	9 1 21	16°34'48	1♏ 7	18°36	1°46	5°33	16°52	28°32	27°39	26°54	21°28	0°15	29°35	11°22	1° 0	S 6
M 7	9 5 18	17°35'28	13° 5	17°26	2°35	5°11	16°44	28°R32	27°40	26°52	21°29	0°D15	29°32	11°28	0°55	M 7
T 8	9 9 14	18°36'08	25°11	16°16	3°25	4°49	16°36	28°32	27°42	26°50	21°29	0°15	29°29	11°35	0°51	T 8
W 9	9 13 11	19°36'46	7♐32	15° 7	4°15	4°27	16°28	28°32	27°44	26°49	21°30	0°15	29°26	11°42	0°47	W 9
T 10	9 17 8	20°37'23	20°12	14° 0	5° 6	4° 6	16°20	28°32	27°46	26°47	21°31	0°17	29°23	11°48	0°43	T 10
F 11	9 21 4	21°37'59	3♑13	12°58	5°58	3°46	16°12	28°31	27°47	26°45	21°32	0°18	29°19	11°55	0°38	F 11
S 12	9 25 1	22°38'34	16°39	12° 0	6°51	3°26	16° 4	28°31	27°49	26°44	21°32	0°20	29°16	12° 2	0°34	S 12
S 13	9 28 57	23°39'07	0♒31	11° 9	7°44	3° 7	15°56	28°30	27°51	26°42	21°33	0°R20	29°13	12° 9	0°30	S 13
M14	9 32 54	24°39'39	14°47	10°25	8°38	2°48	15°48	28°29	27°53	26°40	21°34	0°20	29°10	12°15	0°26	M14
T 15	9 36 50	25°40'09	29°22	9°48	9°32	2°30	15°41	28°29	27°55	26°39	21°35	0°18	29° 7	12°22	0°22	T 15
W16	9 40 47	26°40'38	14♓10	9°19	10°27	2°12	15°33	28°28	27°57	26°37	21°36	0°15	29° 4	12°29	0°19	W16
T 17	9 44 43	27°41'05	29° 4	8°57	11°23	1°56	15°25	28°27	27°59	26°35	21°37	0°11	29° 0	12°35	0°15	T 17
F 18	9 48 40	28°41'29	13♈55	8°43	12°19	1°40	15°18	28°26	28° 1	26°34	21°37	0° 7	28°57	12°42	0°11	F 18
S 19	9 52 37	29°41'52	28°35	8°35	13°15	1°24	15°10	28°24	28° 3	26°32	21°38	0° 3	28°54	12°49	0° 7	S 19
S 20	9 56 33	0♓42'13	12♉59	8°D35	14°12	1°10	15° 3	28°23	28° 5	26°30	21°39	0° 0	28°51	12°56	0° 4	S 20
M21	10 0 30	1°42'32	27° 5	8°41	15°10	0°56	14°55	28°22	28° 8	26°29	21°40	29°D59	28°48	13° 2	0° 0	M21
T 22	10 4 26	2°42'50	10♊49	8°54	16° 8	0°43	14°48	28°20	28°10	26°27	21°41	29♉59	28°44	13° 9	29♋57	T 22
W23	10 8 23	3°43'05	24°15	9°12	17° 6	0°30	14°41	28°18	28°12	26°25	21°42	0♒ 1	28°41	13°16	29°53	W23
T 24	10 12 19	4°43'17	7♋22	9°35	18° 5	0°19	14°34	28°17	28°15	26°24	21°43	0° 2	28°38	13°23	29°50	T 24
F 25	10 16 16	5°43'28	20°14	10° 4	19° 5	0° 8	14°27	28°15	28°17	26°22	21°44	0° 4	28°35	13°29	29°46	F 25
S 26	10 20 12	6°43'37	2♌53	10°37	20° 4	29♋58	14°20	28°13	28°19	26°20	21°45	0°R 4	28°32	13°36	29°43	S 26
S 27	10 24 9	7°43'44	15°20	11°15	21° 4	29°49	14°13	28°11	28°22	26°19	21°46	0° 3	28°29	13°43	29°40	S 27
M28	10 28 6	8°43'49	27°38	11°57	22° 5	29°41	14° 7	28° 9	28°24	26°17	21°47	29♉59	28°25	13°49	29°37	M28
T 29	10 32 2	9♓43'51	9♍48	12♒43	23♉ 6	29♋33	14♌ 0	28♎ 7	28♈27	26♌15	21♈48	29♉54	28♉22	13♎56	29♋34	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s22	8n32	2s42	11s20	2n40	18s28	5n 1	22n49	4n32	16n37	1n 3	8s34	2n34	10n 9	0s30	13n 6	0n37	7s20	16s55	20s 6	20s14	8s45	12n23	7s42
W 2	17 5	3 12	3 36	11 19	2 55	18 33	4 57	22 55	4 32	16 39	1 3	8 34	2 35	10 9	0 30	13 7	0 37	7 19	16 54	20 7	20 14	8 48	12 24	7 42
T 3	16 48	2s 9	4 19	11 21	3 8	18 37	4 52	23 1	4 32	16 42	1 3	8 34	2 35	10 10	0 30	13 7	0 37	7 19	16 54	20 7	20 15	8 51	12 26	7 41
F 4	16 30	7 23	4 51	11 28	3 20	18 41	4 48	23 7	4 31	16 44	1 3	8 34	2 35	10 10	0 30	13 8	0 37	7 18	16 54	20 8	20 16	8 54	12 27	7 41
S 5	16 12	12 19	5 10	11 38	3 29	18 46	4 44	23 12	4 31	16 47	1 3	8 33	2 35	10 11	0 30	13 9	0 37	7 17	16 53	20 8	20 16	8 57	12 28	7 41
S 6	15 54	16 49	5 16	11 52	3 36	18 50	4 39	23 18	4 30	16 49	1 3	8 33	2 36	10 11	0 30	13 9	0 37	7 17	16 53	20 8	20 17	9 0	12 29	7 41
M 7	15 36	20 41	5 8	12 8	3 41	18 53	4 35	23 22	4 30	16 52	1 3	8 33	2 36	10 12	0 30	13 10	0 37	7 16	16 53	20 9	20 18	9 3	12 30	7 40
T 8	15 17	23 44	4 46	12 26	3 43	18 57	4 30	23 27	4 29	16 54	1 3	8 33	2 36	10 13	0 30	13 10	0 37	7 16	16 52	20 9	20 18	9 6	12 31	7 40
W 9	14 58	25 45	4 11	12 47	3 43	19 0	4 25	23 32	4 28	16 57	1 4	8 32	2 36	10 13	0 30	13 11	0 37	7 15	16 52	20 8	20 19	9 9	12 32	7 40
T 10	14 39	26 31	3 24	13 8	3 41	19 4	4 20	23 36	4 27	16 59	1 4	8 32	2 37	10 14	0 30	13 11	0 37	7 15	16 52	20 8	20 20	9 11	12 34	7 39
F 11	14 20	25 51	2 24	13 29	3 37	19 6	4 15	23 40	4 26	17 2	1 4	8 32	2 37	10 15	0 30	13 12	0 37	7 14	16 51	20 8	20 20	9 14	12 35	7 39
S 12	14 0	23 41	1 15	13 51	3 31	19 9	4 10	23 43	4 25	17 4	1 4	8 31	2 37	10 15	0 30	13 13	0 37	7 14	16 51	20 8	20 21	9 17	12 36	7 39
S 13	13 40	20 4	0n 1	14 13	3 23	19 11	4 5	23 47	4 24	17 7	1 4	8 31	2 38	10 16	0 30	13 13	0 37	7 13	16 51	20 7	20 22	9 20	12 37	7 38
M14	13 20	15 11	1 19	14 33	3 14	19 13	4 0	23 50	4 23	17 9	1 4	8 30	2 38	10 17	0 30	13 14	0 37	7 12	16 50	20 8	20 22	9 23	12 38	7 38
T 15	13 0	9 20	2 33	14 53	3 3	19 15	3 55	23 53	4 21	17 11	1 4	8 30	2 38	10 17	0 30	13 14	0 37	7 12	16 50	20 8	20 23	9 26	12 39	7 38
W16	12 39	2 54	3 38	15 12	2 52	19 16	3 49	23 56	4 20	17 14	1 4	8 29	2 38	10 18	0 30	13 15	0 37	7 11	16 50	20 9	20 24	9 29	12 41	7 37
T 17	12 18	3n44	4 28	15 29	2 40	19 17	3 44	23 58	4 18	17 16	1 4	8 29	2 39	10 19	0 30	13 16	0 37	7 11	16 49	20 9	20 24	9 32	12 42	7 37
F 18	11 57	10 7	5 1	15 45	2 28	19 18	3 39	24 0	4 17	17 18	1 4	8 28	2 39	10 20	0 30	13 16	0 37	7 10	16 49	20 10	20 25	9 34	12 43	7 36
S 19	11 36	15 51	5 13	15 59	2 15	19 18	3 33	24 2	4 15	17 21	1 4	8 27	2 39	10 20	0 30	13 17	0 37	7 9	16 49	20 11	20 26	9 37	12 44	7 36
S 20	11 15	20 37	5 5	16 12	2 2	19 17	3 28	24 4	4 13	17 23	1 4	8 27	2 39	10 21	0 30	13 17	0 37	7 9	16 49	20 12	20 26	9 40	12 45	7 36
M21	10 53	24 4	4 39	16 23	1 49	19 17	3 22	24 5	4 12	17 25	1 4	8 26	2 39	10 22	0 30	13 18	0 37	7 8	16 48	20 12	20 27	9 43	12 47	7 35
T 22	10 32	26 2	3 57	16 32	1 35	19 16	3 17	24 6	4 10	17 27	1 4	8 25	2 40	10 23	0 30	13 18	0 37	7 8	16 48	20 12	20 27	9 46	12 48	7 35
W23	10 10	26 25	3 3	16 40	1 22	19 14	3 11	24 7	4 8	17 29	1 4	8 24	2 40	10 24	0 30	13 19	0 37	7 7	16 48	20 12	20 28	9 49	12 49	7 34
T 24	9 48	25 18	2 1	16 47	1 9	19 12	3 6	24 8	4 6	17 31	1 4	8 23	2 40	10 25	0 30	13 20	0 37	7 6	16 48	20 11	20 29	9 52	12 50	7 34
F 25	9 26	22 51	0 53	16 51	0 57	19 10	3 0	24 9	4 4	17 34	1 4	8 23	2 40	10 26	0 30	13 20	0 37	7 6	16 47	20 11	20 29	9 54	12 51	7 33
S 26	9 4	19 19	0s15	16 54	0 44	19 7	2 54	24 9	4 2	17 36	1 4	8 22	2 41	10 26	0 30	13 21	0 37	7 5	16 47	20 11	20 30	9 57	12 52	7 33
S 27	8 41	14 58	1 22	16 55	0 32	19 3	2 49	24 9	4 0	17 38	1 4	8 21	2 41	10 27	0 30	13 21	0 37	7 5	16 47	20 11	20 31	10 0	12 54	7 32
M28	8 19	10 4	2 24	16 55	0 20	19 0	2 43	24 9	3 58	17 40	1 4	8 20	2 41	10 28	0 30	13 22	0 37	7 4	16 46	20 12	20 31	10 3	12 55	7 32
T 29	7s56	4n51	3s19	16s53	0n 9	18s55	2n38	24n 8	3n56	17n41	1n 4	8s19	2n41	10n29	0s30	13n22	0n37	7s 3	16s46	20s13	20s32	10s 6	12n56	7s31

Julian Day Number = 2305478.5, Delta T = 88.69 sec
Ecliptic obliquity = 23°29'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'32, Lahiri = 18°16'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

MARCH 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 35 59	10♓43'52	21♍51	13♒32	24♉ 7	29°R26	13°R54	28°R 4	28♈29	26°R14	21♈49	29°R48	28♉19	14♎ 3	29°R31	W 1
T 2	10 39 55	11°43'51	3♎49	14°24	25° 8	29♋20	13♌47	28♎ 2	28°32	26♌12	21°51	29♉40	28°16	14°10	29♋28	T 2
F 3	10 43 52	12°43'48	15°42	15°20	26°10	29°15	13°41	28° 0	28°34	26°11	21°52	29°31	28°13	14°16	29°26	F 3
S 4	10 47 48	13°43'44	27°34	16°18	27°13	29°11	13°35	27°57	28°37	26° 9	21°53	29°23	28°10	14°23	29°23	S 4
S 5	10 51 45	14°43'38	9♏27	17°19	28°15	29° 7	13°29	27°54	28°40	26° 7	21°54	29°16	28° 6	14°30	29°21	S 5
M 6	10 55 41	15°43'30	21°24	18°23	29°18	29° 4	13°23	27°52	28°43	26° 6	21°55	29°11	28° 3	14°36	29°18	M 6
T 7	10 59 38	16°43'20	3♐28	19°29	0♒21	29° 2	13°18	27°49	28°45	26° 4	21°56	29° 8	28° 0	14°43	29°16	T 7
W 8	11 3 34	17°43'09	15°45	20°37	1°24	29° 1	13°12	27°46	28°48	26° 3	21°57	29°D 7	27°57	14°50	29°13	W 8
T 9	11 7 31	18°42'56	28°19	21°47	2°28	29°D 0	13° 7	27°43	28°51	26° 1	21°59	29° 7	27°54	14°57	29°11	T 9
F 10	11 11 28	19°42'41	11♑15	23° 0	3°32	29° 0	13° 2	27°40	28°54	26° 0	22° 0	29° 9	27°50	15° 3	29° 9	F 10
S 11	11 15 24	20°42'24	24°36	24°14	4°36	29° 1	12°57	27°37	28°57	25°58	22° 1	29°R 9	27°47	15°10	29° 7	S 11
S 12	11 19 21	21°42'06	8♒25	25°30	5°40	29° 2	12°52	27°34	28°59	25°57	22° 2	29° 9	27°44	15°17	29° 5	S 12
M13	11 23 17	22°41'46	22°43	26°48	6°45	29° 5	12°47	27°30	29° 2	25°55	22° 3	29° 7	27°41	15°23	29° 3	M13
T 14	11 27 14	23°41'24	7♓26	28° 8	7°50	29° 8	12°42	27°27	29° 5	25°54	22° 5	29° 2	27°38	15°30	29° 2	T 14
W15	11 31 10	24°41'00	22°30	29°30	8°55	29°11	12°38	27°24	29° 8	25°52	22° 6	28°55	27°35	15°37	29° 0	W15
T 16	11 35 7	25°40'34	7♈43	0♓53	10° 0	29°16	12°34	27°20	29°11	25°51	22° 7	28°47	27°31	15°44	28°59	T 16
F 17	11 39 3	26°40'05	22°56	2°17	11° 5	29°21	12°30	27°17	29°14	25°50	22° 8	28°38	27°28	15°50	28°57	F 17
S 18	11 43 0	27°39'35	7♉59	3°43	12°11	29°26	12°26	27°13	29°17	25°48	22°10	28°30	27°25	15°57	28°56	S 18
S 19	11 46 57	28°39'03	22°41	5°11	13°17	29°33	12°22	27° 9	29°20	25°47	22°11	28°23	27°22	16° 4	28°55	S 19
M20	11 50 53	29°38'28	6♊59	6°40	14°22	29°40	12°19	27° 6	29°23	25°45	22°12	28°19	27°19	16°10	28°54	M20
T 21	11 54 50	0♈37'51	20°50	8°10	15°29	29°47	12°15	27° 2	29°27	25°44	22°14	28°16	27°15	16°17	28°53	T 21
W22	11 58 46	1°37'11	4♋15	9°42	16°35	29°55	12°12	26°58	29°30	25°43	22°15	28°D16	27°12	16°24	28°52	W22
T 23	12 2 43	2°36'29	17°17	11°16	17°41	0♌ 4	12° 9	26°54	29°33	25°42	22°16	28°16	27° 9	16°31	28°51	T 23
F 24	12 6 39	3°35'45	29°59	12°51	18°48	0°14	12° 6	26°50	29°36	25°40	22°18	28°R17	27° 6	16°37	28°50	F 24
S 25	12 10 36	4°34'58	12♌25	14°27	19°55	0°24	12° 4	26°46	29°39	25°39	22°19	28°16	27° 3	16°44	28°50	S 25
S 26	12 14 32	5°34'09	24°39	16° 4	21° 2	0°34	12° 1	26°42	29°42	25°38	22°20	28°13	27° 0	16°51	28°49	S 26
M27	12 18 29	6°33'18	6♍45	17°44	22° 9	0°45	11°59	26°38	29°46	25°37	22°22	28° 7	26°56	16°58	28°49	M27
T 28	12 22 26	7°32'25	18°45	19°24	23°16	0°57	11°57	26°34	29°49	25°36	22°23	27°58	26°53	17° 4	28°48	T 28
W29	12 26 22	8°31'29	0♎40	21° 6	24°23	1° 9	11°55	26°29	29°52	25°34	22°24	27°47	26°50	17°11	28°48	W29
T 30	12 30 19	9°30'32	12°34	22°49	25°31	1°22	11°54	26°25	29°55	25°33	22°26	27°34	26°47	17°18	28°D48	T 30
F 31	12 34 15	10♈29'32	24♎27	24♓34	26♒38	1♌35	11♌52	26♎21	29♈59	25♌32	22♈27	27♉21	26♉44	17♎24	28♋48	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s34	0s30	4s 4	16s50	0s 2	18s50	2n32	24n 8	3n54	17n43	1n 4	8s18	2n42	10n30	0s30	13n23	0n37	7s 3	16s46	20s14	20s33	10s 9	12n57	7s30
T 2	7 11	5 46	4 38	16 45	0 13	18 45	2 26	24 7	3 52	17 45	1 4	8 17	2 42	10 31	0 30	13 24	0 37	7 2	16 46	20 16	20 33	10 11	12 58	7 30
F 3	6 48	10 47	4 59	16 38	0 23	18 39	2 21	24 6	3 50	17 47	1 4	8 16	2 42	10 32	0 29	13 24	0 37	7 2	16 46	20 18	20 34	10 14	12 59	7 29
S 4	6 25	15 25	5 8	16 31	0 33	18 33	2 15	24 5	3 48	17 49	1 4	8 15	2 42	10 33	0 29	13 25	0 37	7 1	16 45	20 19	20 35	10 17	13 0	7 29
S 5	6 2	19 27	5 3	16 21	0 42	18 26	2 10	24 4	3 46	17 50	1 4	8 13	2 42	10 34	0 29	13 25	0 37	7 0	16 45	20 21	20 35	10 20	13 1	7 28
M 6	5 38	22 44	4 45	16 10	0 51	18 19	2 4	24 2	3 44	17 52	1 4	8 12	2 43	10 35	0 29	13 26	0 37	7 0	16 45	20 22	20 36	10 23	13 3	7 27
T 7	5 15	25 4	4 15	15 58	1 0	18 11	1 59	24 1	3 42	17 54	1 4	8 11	2 43	10 36	0 29	13 26	0 37	6 59	16 45	20 23	20 36	10 26	13 4	7 27
W 8	4 52	26 15	3 32	15 44	1 8	18 3	1 53	23 59	3 39	17 55	1 4	8 10	2 43	10 37	0 29	13 27	0 37	6 58	16 44	20 23	20 37	10 28	13 5	7 26
T 9	4 28	26 7	2 38	15 29	1 16	17 55	1 47	23 57	3 37	17 57	1 4	8 9	2 43	10 38	0 29	13 27	0 37	6 58	16 44	20 23	20 38	10 31	13 6	7 25
F 10	4 5	24 36	1 35	15 12	1 24	17 45	1 42	23 55	3 35	17 58	1 4	8 7	2 43	10 39	0 29	13 28	0 37	6 57	16 44	20 23	20 38	10 34	13 7	7 25
S 11	3 41	21 39	0 25	14 54	1 31	17 36	1 37	23 52	3 33	17 59	1 4	8 6	2 44	10 40	0 29	13 28	0 37	6 57	16 44	20 22	20 39	10 37	13 8	7 24
S 12	3 18	17 24	0n50	14 34	1 37	17 25	1 31	23 50	3 31	18 1	1 4	8 5	2 44	10 41	0 29	13 29	0 37	6 56	16 44	20 22	20 40	10 40	13 9	7 23
M13	2 54	12 2	2 3	14 13	1 43	17 15	1 26	23 47	3 29	18 2	1 4	8 4	2 44	10 42	0 29	13 29	0 37	6 55	16 43	20 23	20 40	10 42	13 10	7 23
T 14	2 31	5 51	3 10	13 51	1 49	17 3	1 20	23 45	3 27	18 3	1 4	8 2	2 44	10 43	0 29	13 30	0 37	6 55	16 43	20 24	20 41	10 45	13 11	7 22
W15	2 7	0n47	4 6	13 27	1 54	16 52	1 15	23 42	3 24	18 5	1 4	8 1	2 44	10 44	0 29	13 30	0 37	6 54	16 43	20 25	20 42	10 48	13 12	7 21
T 16	1 43	7 25	4 44	13 2	1 59	16 39	1 10	23 39	3 22	18 6	1 4	7 59	2 44	10 45	0 29	13 31	0 37	6 54	16 43	20 27	20 42	10 51	13 13	7 21
F 17	1 20	13 37	5 3	12 36	2 3	16 27	1 5	23 36	3 20	18 7	1 4	7 58	2 45	10 46	0 29	13 31	0 37	6 53	16 43	20 29	20 43	10 53	13 14	7 20
S 18	0 56	18 56	5 0	12 8	2 7	16 14	1 0	23 32	3 18	18 8	1 4	7 57	2 45	10 47	0 29	13 32	0 37	6 52	16 43	20 30	20 43	10 56	13 15	7 19
S 19	0 32	22 58	4 38	11 39	2 11	16 0	0 54	23 29	3 16	18 9	1 4	7 55	2 45	10 49	0 29	13 32	0 37	6 52	16 42	20 32	20 44	10 59	13 16	7 19
M20	0 9	25 26	3 58	11 9	2 14	15 46	0 49	23 25	3 14	18 10	1 4	7 54	2 45	10 50	0 29	13 33	0 37	6 51	16 42	20 33	20 45	11 2	13 17	7 18
T 21	0n15	26 16	3 6	10 38	2 16	15 31	0 44	23 22	3 12	18 11	1 4	7 52	2 45	10 51	0 29	13 33	0 37	6 51	16 42	20 33	20 45	11 5	13 18	7 17
W22	0 39	25 30	2 4	10 5	2 18	15 16	0 39	23 18	3 10	18 11	1 4	7 51	2 45	10 52	0 29	13 34	0 37	6 50	16 42	20 33	20 46	11 7	13 19	7 16
T 23	1 2	23 20	0 58	9 31	2 20	15 1	0 35	23 14	3 8	18 12	1 3	7 49	2 45	10 53	0 29	13 34	0 37	6 49	16 42	20 33	20 47	11 10	13 19	7 16
F 24	1 26	20 3	0s 9	8 56	2 21	14 45	0 30	23 10	3 6	18 13	1 3	7 48	2 46	10 54	0 29	13 34	0 37	6 49	16 42	20 33	20 47	11 13	13 20	7 15
S 25	1 50	15 55	1 15	8 19	2 22	14 29	0 25	23 6	3 4	18 14	1 3	7 46	2 46	10 55	0 29	13 35	0 37	6 48	16 42	20 33	20 48	11 16	13 21	7 14
S 26	2 13	11 12	2 15	7 41	2 22	14 12	0 20	23 2	3 1	18 14	1 3	7 44	2 46	10 56	0 29	13 35	0 37	6 48	16 42	20 34	20 48	11 18	13 22	7 13
M27	2 36	6 7	3 9	7 2	2 22	13 55	0 16	22 57	2 59	18 15	1 3	7 43	2 46	10 58	0 29	13 36	0 37	6 47	16 41	20 35	20 49	11 21	13 23	7 13
T 28	3 0	0 52	3 54	6 22	2 21	13 37	0 11	22 53	2 57	18 15	1 3	7 41	2 46	10 59	0 29	13 36	0 37	6 46	16 41	20 37	20 50	11 24	13 24	7 12
W29	3 23	4s22	4 28	5 41	2 20	13 19	0 6	22 48	2 56	18 16	1 3	7 40	2 46	11 0	0 29	13 36	0 37	6 46	16 41	20 39	20 50	11 27	13 24	7 11
T 30	3 47	9 26	4 51	4 58	2 18	13 1	0 2	22 43	2 54	18 16	1 3	7 38	2 46	11 1	0 29	13 37	0 37	6 45	16 41	20 42	20 51	11 29	13 25	7 10
F 31	4n10	14s 8	5s 0	4s15	2s16	12s42	0s 2	22n38	2n52	18n16	1n 3	7s36	2n46	11n 2	0s29	13n37	0n37	6s45	16s41	20s44	20s51	11s32	13n26	7s10

Julian Day Number = 2305507.5, Delta T = 88.59 sec
Ecliptic obliquity = 23°29'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'36, Lahiri = 18°16'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

APRIL 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 38 12	11♈28'30	6♏20	26♓20	27♒46	1♌49	11°R51	26°R17	0♉ 2	25°R31	22♈28	27°R 7	26♑41	17♎31	28♋48	S 1
S 2	12 42 8	12°27'27	18°15	28° 8	28°54	2° 3	11♌50	26♎12	0° 5	25♌30	22°30	26♑56	26°37	17°38	28°49	S 2
M 3	12 46 5	13°26'21	0♐14	29°57	0♓ 2	2°17	11°49	26° 8	0° 9	25°29	22°31	26°46	26°34	17°45	28°49	M 3
T 4	12 50 1	14°25'14	12°21	1♈48	1°10	2°33	11°48	26° 3	0°12	25°28	22°33	26°40	26°31	17°51	28°49	T 4
W 5	12 53 58	15°24'05	24°38	3°40	2°18	2°48	11°47	25°59	0°15	25°27	22°34	26°36	26°28	17°58	28°50	W 5
T 6	12 57 55	16°22'54	7♑10	5°34	3°27	3° 4	11°47	25°55	0°19	25°26	22°35	26°34	26°25	18° 5	28°51	T 6
F 7	13 1 51	17°21'42	20° 1	7°29	4°35	3°21	11°D47	25°50	0°22	25°25	22°37	26°34	26°21	18°11	28°51	F 7
S 8	13 5 48	18°20'28	3♒15	9°26	5°44	3°37	11°47	25°46	0°26	25°24	22°38	26°34	26°18	18°18	28°52	S 8
S 9	13 9 44	19°19'12	16°55	11°24	6°52	3°55	11°47	25°41	0°29	25°24	22°40	26°33	26°15	18°25	28°53	S 9
M10	13 13 41	20°17'54	1♓ 5	13°23	8° 1	4°12	11°47	25°37	0°32	25°23	22°41	26°30	26°12	18°32	28°54	M10
T 11	13 17 37	21°16'35	15°42	15°24	9°10	4°31	11°48	25°32	0°36	25°22	22°42	26°24	26° 9	18°38	28°56	T 11
W12	13 21 34	22°15'13	0♈42	17°27	10°19	4°49	11°49	25°27	0°39	25°21	22°44	26°16	26° 6	18°45	28°57	W12
T 13	13 25 30	23°13'50	15°58	19°30	11°28	5° 8	11°50	25°23	0°43	25°20	22°45	26° 5	26° 2	18°52	28°58	T 13
F 14	13 29 27	24°12'25	1♉18	21°35	12°37	5°27	11°51	25°18	0°46	25°20	22°46	25°54	25°59	18°59	29° 0	F 14
S 15	13 33 24	25°10'59	16°31	23°41	13°46	5°47	11°52	25°14	0°50	25°19	22°48	25°43	25°56	19° 5	29° 1	S 15
S 16	13 37 20	26° 9'30	1♊27	25°48	14°55	6° 7	11°54	25° 9	0°53	25°18	22°49	25°34	25°53	19°12	29° 3	S 16
M17	13 41 17	27° 7'59	15°57	27°55	16° 5	6°27	11°55	25° 5	0°56	25°18	22°51	25°28	25°50	19°19	29° 5	M17
T 18	13 45 13	28° 6'26	29°58	0♉ 3	17°14	6°48	11°57	25° 0	1° 0	25°17	22°52	25°24	25°47	19°25	29° 7	T 18
W19	13 49 10	29° 4'51	13♋30	2°12	18°24	7° 9	11°59	24°55	1° 3	25°17	22°53	25°23	25°43	19°32	29° 9	W19
T 20	13 53 6	0♉ 3'14	26°34	4°20	19°33	7°31	12° 2	24°51	1° 7	25°16	22°55	25°22	25°40	19°39	29°11	T 20
F 21	13 57 3	1° 1'34	9♌16	6°29	20°43	7°52	12° 4	24°46	1°10	25°16	22°56	25°22	25°37	19°46	29°13	F 21
S 22	14 0 59	1°59'52	21°39	8°37	21°52	8°14	12° 7	24°42	1°14	25°15	22°58	25°21	25°34	19°52	29°16	S 22
S 23	14 4 56	2°58'09	3♍49	10°44	23° 2	8°37	12° 9	24°37	1°17	25°15	22°59	25°18	25°31	19°59	29°18	S 23
M24	14 8 53	3°56'23	15°49	12°50	24°12	8°59	12°12	24°33	1°21	25°14	23° 0	25°12	25°27	20° 6	29°20	M24
T 25	14 12 49	4°54'35	27°43	14°55	25°22	9°22	12°15	24°28	1°24	25°14	23° 2	25° 3	25°24	20°12	29°23	T 25
W26	14 16 46	5°52'45	9♎35	16°58	26°32	9°46	12°19	24°24	1°28	25°14	23° 3	24°52	25°21	20°19	29°26	W26
T 27	14 20 42	6°50'54	21°27	18°59	27°42	10° 9	12°22	24°19	1°31	25°13	23° 4	24°39	25°18	20°26	29°29	T 27
F 28	14 24 39	7°49'00	3♏21	20°58	28°52	10°33	12°26	24°15	1°34	25°13	23° 6	24°26	25°15	20°33	29°31	F 28
S 29	14 28 35	8°47'05	15°18	22°55	0♈ 2	10°57	12°29	24°11	1°38	25°13	23° 7	24°13	25°12	20°39	29°34	S 29
S 30	14 32 32	9♉45'09	27♏19	24♉48	1♈12	11♌21	12♌33	24♎ 6	1♉41	25♌13	23♈ 9	24♑ 1	25♑ 8	20♎46	29♋38	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n33	18s19	4s57	3s30	2s13	12s23	0s 7	22n33	2n50	18n17	1n 3	7s35	2n46	11n 3	0s29	13n37	0n37	6s44	16s41	20s47	20s52	11s35	13n27	7s 9
S 2	4 56	21 47	4 40	2 44	2 10	12 3	0 11	22 28	2 48	18 17	1 3	7 33	2 46	11 5	0 29	13 38	0 37	6 44	16 41	20 49	20 53	11 38	13 27	7 8
M 3	5 19	24 20	4 12	1 57	2 7	11 43	0 15	22 23	2 46	18 17	1 2	7 32	2 46	11 6	0 29	13 38	0 37	6 43	16 41	20 51	20 53	11 40	13 28	7 7
T 4	5 42	25 49	3 31	1 9	2 2	11 23	0 19	22 18	2 44	18 17	1 2	7 30	2 47	11 7	0 29	13 38	0 37	6 43	16 41	20 52	20 54	11 43	13 29	7 6
W 5	6 5	26 3	2 40	0 20	1 58	11 2	0 23	22 12	2 42	18 17	1 2	7 28	2 47	11 8	0 29	13 39	0 37	6 42	16 41	20 53	20 54	11 46	13 29	7 6
T 6	6 27	24 58	1 41	0n30	1 52	10 41	0 27	22 7	2 40	18 17	1 2	7 27	2 47	11 9	0 29	13 39	0 37	6 41	16 41	20 53	20 55	11 48	13 30	7 5
F 7	6 50	22 34	0 35	1 21	1 47	10 20	0 31	22 1	2 38	18 17	1 2	7 25	2 47	11 11	0 29	13 39	0 37	6 41	16 41	20 53	20 56	11 51	13 31	7 4
S 8	7 12	18 54	0n35	2 12	1 40	9 58	0 35	21 55	2 37	18 17	1 2	7 23	2 47	11 12	0 29	13 40	0 37	6 40	16 41	20 53	20 56	11 54	13 31	7 3
S 9	7 35	14 7	1 45	3 5	1 33	9 36	0 38	21 50	2 35	18 17	1 2	7 22	2 47	11 13	0 29	13 40	0 37	6 40	16 41	20 53	20 57	11 57	13 32	7 3
M10	7 57	8 27	2 51	3 58	1 26	9 14	0 42	21 44	2 33	18 17	1 2	7 20	2 47	11 14	0 29	13 40	0 37	6 39	16 41	20 54	20 57	11 59	13 32	7 2
T 11	8 19	2 9	3 48	4 52	1 19	8 51	0 46	21 38	2 31	18 17	1 2	7 18	2 47	11 15	0 29	13 41	0 37	6 39	16 40	20 55	20 58	12 2	13 33	7 1
W12	8 41	4n25	4 31	5 47	1 10	8 28	0 49	21 31	2 30	18 16	1 2	7 17	2 47	11 17	0 29	13 41	0 37	6 38	16 40	20 57	20 59	12 5	13 33	7 0
T 13	9 3	10 50	4 55	6 42	1 2	8 5	0 52	21 25	2 28	18 16	1 2	7 15	2 47	11 18	0 29	13 41	0 37	6 38	16 40	20 59	20 59	12 7	13 34	7 0
F 14	9 24	16 37	4 59	7 37	0 53	7 42	0 56	21 19	2 26	18 15	1 1	7 13	2 47	11 19	0 29	13 41	0 37	6 37	16 40	21 1	21 0	12 10	13 34	6 59
S 15	9 46	21 18	4 41	8 33	0 43	7 18	0 59	21 12	2 24	18 15	1 1	7 12	2 47	11 20	0 29	13 41	0 37	6 37	16 40	21 3	21 0	12 13	13 35	6 58
S 16	10 7	24 28	4 4	9 28	0 33	6 54	1 2	21 5	2 23	18 14	1 1	7 10	2 47	11 21	0 29	13 42	0 37	6 36	16 40	21 4	21 1	12 15	13 35	6 57
M17	10 28	25 56	3 12	10 24	0 23	6 30	1 5	20 59	2 21	18 14	1 1	7 8	2 47	11 23	0 29	13 42	0 37	6 36	16 40	21 6	21 2	12 18	13 35	6 56
T 18	10 49	25 39	2 10	11 19	0 13	6 6	1 8	20 52	2 19	18 13	1 1	7 7	2 47	11 24	0 29	13 42	0 37	6 35	16 40	21 6	21 2	12 21	13 36	6 56
W19	11 10	23 50	1 2	12 13	0 2	5 41	1 11	20 45	2 18	18 13	1 1	7 5	2 47	11 25	0 29	13 42	0 37	6 35	16 41	21 7	21 3	12 23	13 36	6 55
T 20	11 31	20 47	0s 6	13 7	0n 8	5 16	1 13	20 38	2 16	18 12	1 1	7 3	2 47	11 26	0 29	13 42	0 37	6 34	16 41	21 7	21 3	12 26	13 37	6 54
F 21	11 51	16 48	1 13	14 0	0 19	4 51	1 16	20 30	2 15	18 11	1 1	7 2	2 47	11 28	0 29	13 43	0 37	6 34	16 41	21 7	21 4	12 29	13 37	6 53
S 22	12 12	12 12	2 14	14 52	0 30	4 26	1 19	20 23	2 13	18 10	1 1	7 0	2 47	11 29	0 29	13 43	0 37	6 34	16 41	21 7	21 5	12 31	13 37	6 53
S 23	12 32	7 13	3 8	15 43	0 40	4 1	1 21	20 16	2 11	18 9	1 0	6 59	2 47	11 30	0 29	13 43	0 37	6 33	16 41	21 7	21 5	12 34	13 37	6 52
M24	12 52	2 2	3 53	16 32	0 51	3 35	1 23	20 8	2 10	18 8	1 0	6 57	2 47	11 31	0 29	13 43	0 37	6 33	16 41	21 9	21 6	12 37	13 38	6 51
T 25	13 11	3s10	4 27	17 19	1 1	3 9	1 26	20 1	2 8	18 7	1 0	6 55	2 47	11 32	0 29	13 43	0 37	6 32	16 41	21 10	21 6	12 39	13 38	6 50
W26	13 31	8 14	4 50	18 5	1 11	2 44	1 28	19 53	2 7	18 6	1 0	6 54	2 46	11 34	0 29	13 43	0 37	6 32	16 41	21 12	21 7	12 42	13 38	6 50
T 27	13 50	13 0	5 0	18 48	1 21	2 18	1 30	19 45	2 5	18 5	1 0	6 52	2 46	11 35	0 29	13 43	0 37	6 31	16 41	21 14	21 7	12 45	13 38	6 49
F 28	14 9	17 18	4 56	19 29	1 30	1 52	1 32	19 37	2 4	18 4	1 0	6 51	2 46	11 36	0 29	13 43	0 37	6 31	16 41	21 17	21 8	12 47	13 38	6 48
S 29	14 28	20 55	4 40	20 8	1 39	1 25	1 34	19 29	2 2	18 3	1 0	6 49	2 46	11 37	0 29	13 43	0 37	6 31	16 41	21 19	21 9	12 50	13 38	6 47
S 30	14n46	23s41	4s12	20n44	1n47	0s59	1s36	19n21	2n 1	18n 2	1n 0	6s48	2n46	11n38	0s29	13n44	0n37	6s30	16s41	21s21	21s 9	12s52	13n38	6s47

Julian Day Number = 2305538.5, Delta T = 88.48 sec
Ecliptic obliquity = 23°29'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'40, Lahiri = 18°16'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

MAY 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 36 28	10♉43'11	9♐26	26♉39	2♈22	11♌46	12♌37	24°R 2	1♉45	25°R12	23♈10	23°R51	25♑ 5	20♎53	29♋41	M 1
T 2	14 40 25	11°41'11	21°41	28°27	3°33	12°11	12°42	23♎58	1°48	25♌12	23°11	23♑44	25° 2	21° 0	29°44	T 2
W 3	14 44 21	12°39'10	4♑ 5	0♊12	4°43	12°36	12°46	23°54	1°52	25°12	23°13	23°41	24°59	21° 6	29°47	W 3
T 4	14 48 18	13°37'07	16°42	1°54	5°53	13° 1	12°51	23°50	1°55	25°12	23°14	23°39	24°56	21°13	29°51	T 4
F 5	14 52 15	14°35'03	29°35	3°32	7° 4	13°27	12°55	23°45	1°58	25°12	23°15	23°D39	24°53	21°20	29°54	F 5
S 6	14 56 11	15°32'58	12♒47	5° 6	8°14	13°53	13° 0	23°41	2° 2	25°D12	23°17	23°R39	24°49	21°26	29°58	S 6
S 7	15 0 8	16°30'52	26°22	6°37	9°25	14°19	13° 5	23°37	2° 5	25°12	23°18	23°39	24°46	21°33	0♌ 2	S 7
M 8	15 4 4	17°28'44	10♓21	8° 5	10°36	14°45	13°11	23°33	2° 9	25°12	23°19	23°37	24°43	21°40	0° 5	M 8
T 9	15 8 1	18°26'35	24°45	9°28	11°46	15°12	13°16	23°29	2°12	25°12	23°20	23°33	24°40	21°47	0° 9	T 9
W10	15 11 57	19°24'25	9♈31	10°48	12°57	15°38	13°22	23°25	2°15	25°12	23°22	23°26	24°37	21°53	0°13	W10
T 11	15 15 54	20°22'13	24°33	12° 4	14° 8	16° 5	13°27	23°22	2°19	25°12	23°23	23°18	24°33	22° 0	0°17	T 11
F 12	15 19 50	21°20'01	9♉42	13°17	15°19	16°32	13°33	23°18	2°22	25°13	23°24	23° 8	24°30	22° 7	0°22	F 12
S 13	15 23 47	22°17'47	24°49	14°25	16°29	17° 0	13°39	23°14	2°25	25°13	23°25	23° 0	24°27	22°14	0°26	S 13
S 14	15 27 44	23°15'32	9♊42	15°29	17°40	17°27	13°45	23°10	2°29	25°13	23°27	22°52	24°24	22°20	0°30	S 14
M15	15 31 40	24°13'15	24°15	16°30	18°51	17°55	13°51	23° 7	2°32	25°13	23°28	22°47	24°21	22°27	0°34	M15
T 16	15 35 37	25°10'57	8♋21	17°26	20° 2	18°23	13°58	23° 3	2°35	25°14	23°29	22°44	24°18	22°34	0°39	T 16
W17	15 39 33	26° 8'37	21°59	18°18	21°13	18°51	14° 4	23° 0	2°38	25°14	23°30	22°D43	24°14	22°40	0°44	W17
T 18	15 43 30	27° 6'16	5♌ 9	19° 6	22°24	19°20	14°11	22°57	2°42	25°14	23°32	22°43	24°11	22°47	0°48	T 18
F 19	15 47 26	28° 3'53	17°55	19°49	23°35	19°48	14°18	22°53	2°45	25°15	23°33	22°44	24° 8	22°54	0°53	F 19
S 20	15 51 23	29° 1'29	0♍21	20°28	24°46	20°17	14°25	22°50	2°48	25°15	23°34	22°R45	24° 5	23° 1	0°58	S 20
S 21	15 55 20	29°59'03	12°31	21° 3	25°57	20°46	14°32	22°47	2°51	25°16	23°35	22°44	24° 2	23° 7	1° 3	S 21
M22	15 59 16	0♊56'36	24°31	21°33	27° 9	21°15	14°39	22°44	2°54	25°16	23°36	22°41	23°58	23°14	1° 7	M22
T 23	16 3 13	1°54'07	6♎25	21°59	28°20	21°44	14°46	22°41	2°57	25°17	23°37	22°36	23°55	23°21	1°12	T 23
W24	16 7 9	2°51'37	18°16	22°19	29°31	22°14	14°54	22°38	3° 1	25°17	23°39	22°29	23°52	23°27	1°18	W24
T 25	16 11 6	3°49'06	0♏ 9	22°36	0♉42	22°43	15° 2	22°35	3° 4	25°18	23°40	22°21	23°49	23°34	1°23	T 25
F 26	16 15 2	4°46'34	12° 6	22°47	1°54	23°13	15° 9	22°32	3° 7	25°19	23°41	22°12	23°46	23°41	1°28	F 26
S 27	16 18 59	5°44'00	24° 9	22°54	3° 5	23°43	15°17	22°29	3°10	25°19	23°42	22° 3	23°43	23°48	1°33	S 27
S 28	16 22 55	6°41'26	6♐19	22°R56	4°16	24°13	15°25	22°27	3°13	25°20	23°43	21°56	23°39	23°54	1°39	S 28
M29	16 26 52	7°38'51	18°38	22°54	5°28	24°43	15°33	22°24	3°16	25°21	23°44	21°50	23°36	24° 1	1°44	M29
T 30	16 30 49	8°36'14	1♑ 7	22°48	6°39	25°14	15°41	22°22	3°19	25°21	23°45	21°46	23°33	24° 8	1°50	T 30
W31	16 34 45	9♊33'37	13♑46	22♊37	7♉51	25♌44	15♌50	22♎19	3♉22	25♌22	23♈46	21♑44	23♑30	24♎15	1♌55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 4	25s24	3s31	21n18	1n54	0s33	1s38	19n13	1n59	18n 1	1n 0	6s46	2n46	11n40	0s29	13n44	0n37	6s30	16s41	21s23	21s10	12s55	13n39	6s46
T 2	15 22	25 54	2 41	21 49	2 1	0 6	1 39	19 4	1 58	17 59	1 0	6 45	2 46	11 41	0 29	13 44	0 37	6 29	16 41	21 24	21 10	12 58	13 39	6 45
W 3	15 40	25 8	1 42	22 18	2 7	0n20	1 41	18 56	1 57	17 58	0 59	6 43	2 46	11 42	0 29	13 44	0 37	6 29	16 41	21 25	21 11	13 0	13 39	6 45
T 4	15 58	23 3	0 37	22 45	2 12	0 47	1 42	18 47	1 55	17 57	0 59	6 42	2 46	11 43	0 29	13 44	0 37	6 29	16 41	21 25	21 12	13 3	13 39	6 44
F 5	16 15	19 46	0n32	23 9	2 17	1 14	1 44	18 38	1 54	17 55	0 59	6 40	2 46	11 44	0 29	13 44	0 37	6 28	16 42	21 25	21 12	13 5	13 39	6 43
S 6	16 32	15 25	1 40	23 30	2 20	1 40	1 45	18 29	1 52	17 54	0 59	6 39	2 46	11 45	0 29	13 44	0 37	6 28	16 42	21 25	21 13	13 8	13 39	6 42
S 7	16 49	10 10	2 45	23 49	2 23	2 7	1 46	18 21	1 51	17 52	0 59	6 38	2 45	11 47	0 29	13 44	0 37	6 28	16 42	21 25	21 13	13 11	13 38	6 42
M 8	17 5	4 17	3 42	24 6	2 25	2 34	1 47	18 11	1 50	17 50	0 59	6 36	2 45	11 48	0 29	13 44	0 37	6 27	16 42	21 25	21 14	13 13	13 38	6 41
T 9	17 21	1n59	4 26	24 20	2 26	3 0	1 48	18 2	1 48	17 49	0 59	6 35	2 45	11 49	0 29	13 44	0 37	6 27	16 42	21 26	21 14	13 16	13 38	6 40
W10	17 37	8 17	4 55	24 32	2 27	3 27	1 49	17 53	1 47	17 47	0 59	6 34	2 45	11 50	0 29	13 44	0 37	6 27	16 42	21 27	21 15	13 18	13 38	6 40
T 11	17 53	14 14	5 3	24 42	2 26	3 54	1 50	17 44	1 46	17 45	0 59	6 32	2 45	11 51	0 29	13 43	0 37	6 26	16 42	21 29	21 15	13 21	13 38	6 39
F 12	18 8	19 21	4 51	24 50	2 24	4 21	1 50	17 34	1 44	17 44	0 59	6 31	2 45	11 52	0 29	13 43	0 37	6 26	16 42	21 30	21 16	13 24	13 38	6 38
S 13	18 23	23 11	4 18	24 56	2 22	4 47	1 51	17 25	1 43	17 42	0 58	6 30	2 45	11 54	0 29	13 43	0 37	6 26	16 43	21 32	21 17	13 26	13 38	6 38
S 14	18 38	25 23	3 28	25 0	2 19	5 14	1 52	17 15	1 42	17 40	0 58	6 29	2 44	11 55	0 29	13 43	0 37	6 25	16 43	21 33	21 17	13 29	13 37	6 37
M15	18 52	25 48	2 26	25 2	2 14	5 40	1 52	17 5	1 40	17 38	0 58	6 28	2 44	11 56	0 29	13 43	0 37	6 25	16 43	21 34	21 18	13 31	13 37	6 36
T 16	19 6	24 30	1 16	25 2	2 9	6 7	1 52	16 55	1 39	17 36	0 58	6 26	2 44	11 57	0 29	13 43	0 37	6 25	16 43	21 34	21 18	13 34	13 37	6 36
W17	19 20	21 46	0 4	25 1	2 3	6 33	1 53	16 45	1 38	17 34	0 58	6 25	2 44	11 58	0 29	13 43	0 37	6 24	16 43	21 34	21 19	13 36	13 36	6 35
T 18	19 33	17 57	1s 6	24 58	1 56	6 59	1 53	16 35	1 37	17 32	0 58	6 24	2 44	11 59	0 29	13 43	0 37	6 24	16 43	21 34	21 19	13 39	13 36	6 34
F 19	19 46	13 25	2 11	24 53	1 48	7 26	1 53	16 25	1 35	17 30	0 58	6 23	2 44	12 0	0 29	13 43	0 37	6 24	16 44	21 34	21 20	13 42	13 36	6 34
S 20	19 59	8 27	3 8	24 47	1 39	7 52	1 53	16 15	1 34	17 28	0 58	6 22	2 43	12 1	0 29	13 42	0 37	6 24	16 44	21 34	21 21	13 44	13 35	6 33
S 21	20 12	3 16	3 55	24 40	1 29	8 18	1 53	16 4	1 33	17 26	0 58	6 21	2 43	12 2	0 29	13 42	0 37	6 23	16 44	21 34	21 21	13 47	13 35	6 33
M22	20 24	1s57	4 31	24 31	1 18	8 43	1 53	15 54	1 32	17 24	0 58	6 20	2 43	12 3	0 29	13 42	0 37	6 23	16 44	21 35	21 22	13 49	13 34	6 32
T 23	20 35	7 3	4 54	24 21	1 6	9 9	1 53	15 43	1 30	17 21	0 58	6 19	2 43	12 5	0 29	13 42	0 37	6 23	16 44	21 36	21 22	13 52	13 34	6 31
W24	20 47	11 53	5 6	24 10	0 54	9 34	1 52	15 32	1 29	17 19	0 57	6 18	2 43	12 6	0 29	13 42	0 37	6 23	16 45	21 37	21 23	13 54	13 33	6 31
T 25	20 58	16 17	5 4	23 58	0 41	10 0	1 52	15 21	1 28	17 17	0 57	6 17	2 42	12 7	0 29	13 41	0 37	6 23	16 45	21 38	21 23	13 57	13 33	6 30
F 26	21 8	20 4	4 48	23 44	0 27	10 25	1 52	15 11	1 27	17 14	0 57	6 17	2 42	12 8	0 29	13 41	0 37	6 22	16 45	21 40	21 24	13 59	13 32	6 30
S 27	21 19	23 3	4 20	23 30	0 12	10 50	1 51	15 0	1 26	17 12	0 57	6 16	2 42	12 9	0 29	13 41	0 37	6 22	16 45	21 41	21 24	14 2	13 32	6 29
S 28	21 28	25 1	3 40	23 15	0s 3	11 14	1 50	14 48	1 25	17 9	0 57	6 15	2 42	12 10	0 29	13 41	0 37	6 22	16 45	21 42	21 25	14 4	13 31	6 28
M29	21 38	25 49	2 49	22 59	0 19	11 39	1 50	14 37	1 23	17 7	0 57	6 14	2 42	12 11	0 29	13 41	0 37	6 22	16 46	21 43	21 25	14 7	13 31	6 28
T 30	21 47	25 18	1 49	22 42	0 36	12 3	1 49	14 26	1 22	17 5	0 57	6 14	2 41	12 12	0 29	13 40	0 37	6 22	16 46	21 44	21 26	14 9	13 30	6 27
W31	21n56	23s30	0s43	22n25	0s53	12n27	1s48	14n14	1n21	17n 2	0n57	6s13	2n41	12n13	0s29	13n40	0n37	6s22	16s46	21s44	21s27	14s12	13n29	6s27

Julian Day Number = 2305568.5, Delta T = 88.37 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'45, Lahiri = 18°16'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

JUNE 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 38 42	10♊31'00	26♑37	22°R22	9♉ 2	26♌15	15♌58	22°R17	3♉25	25♌23	23♈47	21°D44	23♑27	24♎21	2♌ 1	T 1
F 2	16 42 38	11°28'21	9♒42	22♊ 3	10°14	26°46	16° 7	22♎15	3°28	25°24	23°48	21♑45	23°24	24°28	2° 7	F 2
S 3	16 46 35	12°25'42	23° 2	21°41	11°25	27°17	16°15	22°13	3°30	25°25	23°49	21°46	23°20	24°35	2°12	S 3
S 4	16 50 31	13°23'02	6♓39	21°15	12°37	27°48	16°24	22°11	3°33	25°26	23°50	21°47	23°17	24°41	2°18	S 4
M 5	16 54 28	14°20'22	20°35	20°47	13°49	28°19	16°33	22° 9	3°36	25°27	23°51	21°R47	23°14	24°48	2°24	M 5
T 6	16 58 24	15°17'42	4♈47	20°17	15° 0	28°51	16°42	22° 7	3°39	25°28	23°52	21°46	23°11	24°55	2°30	T 6
W 7	17 2 21	16°15'01	19°16	19°45	16°12	29°22	16°51	22° 5	3°42	25°29	23°53	21°43	23° 8	25° 2	2°36	W 7
T 8	17 6 18	17°12'19	3♉57	19°12	17°24	29°54	17° 0	22° 3	3°44	25°30	23°54	21°39	23° 4	25° 8	2°42	T 8
F 9	17 10 14	18° 9'38	18°44	18°38	18°36	0♍26	17° 9	22° 2	3°47	25°31	23°55	21°34	23° 1	25°15	2°48	F 9
S 10	17 14 11	19° 6'56	3♊29	18° 4	19°47	0°58	17°19	22° 0	3°50	25°32	23°56	21°29	22°58	25°22	2°54	S 10
S 11	17 18 7	20° 4'13	18° 6	17°31	20°59	1°30	17°28	21°59	3°52	25°33	23°57	21°25	22°55	25°29	3° 1	S 11
M12	17 22 4	21° 1'30	2♋26	16°59	22°11	2° 2	17°38	21°58	3°55	25°34	23°57	21°23	22°52	25°35	3° 7	M12
T 13	17 26 0	21°58'47	16°26	16°28	23°23	2°34	17°48	21°56	3°58	25°35	23°58	21°D21	22°49	25°42	3°13	T 13
W14	17 29 57	22°56'03	0♌ 2	16° 0	24°35	3° 7	17°57	21°55	4° 0	25°36	23°59	21°22	22°45	25°49	3°20	W14
T 15	17 33 53	23°53'18	13°14	15°34	25°47	3°39	18° 7	21°54	4° 3	25°38	24° 0	21°23	22°42	25°55	3°26	T 15
F 16	17 37 50	24°50'32	26° 3	15°11	26°59	4°12	18°17	21°53	4° 5	25°39	24° 1	21°24	22°39	26° 2	3°33	F 16
S 17	17 41 47	25°47'46	8♍32	14°52	28°11	4°45	18°27	21°53	4° 8	25°40	24° 1	21°26	22°36	26° 9	3°39	S 17
S 18	17 45 43	26°44'59	20°45	14°36	29°23	5°18	18°37	21°52	4°10	25°42	24° 2	21°27	22°33	26°16	3°46	S 18
M19	17 49 40	27°42'11	2♎47	14°25	0♊35	5°51	18°48	21°51	4°12	25°43	24° 3	21°R27	22°30	26°22	3°52	M19
T 20	17 53 36	28°39'23	14°42	14°18	1°47	6°24	18°58	21°51	4°15	25°44	24° 4	21°26	22°26	26°29	3°59	T 20
W21	17 57 33	29°36'35	26°35	14°D16	2°59	6°57	19° 8	21°50	4°17	25°46	24° 4	21°24	22°23	26°36	4° 6	W21
T 22	18 1 29	0♋33'46	8♏30	14°18	4°12	7°31	19°19	21°50	4°19	25°47	24° 5	21°21	22°20	26°43	4°13	T 22
F 23	18 5 26	1°30'57	20°30	14°25	5°24	8° 4	19°29	21°50	4°22	25°49	24° 6	21°18	22°17	26°49	4°19	F 23
S 24	18 9 22	2°28'07	2♐39	14°37	6°36	8°38	19°40	21°50	4°24	25°50	24° 6	21°15	22°14	26°56	4°26	S 24
S 25	18 13 19	3°25'17	14°59	14°54	7°48	9°12	19°51	21°D50	4°26	25°51	24° 7	21°13	22°10	27° 3	4°33	S 25
M26	18 17 16	4°22'27	27°31	15°15	9° 1	9°46	20° 1	21°50	4°28	25°53	24° 7	21°11	22° 7	27° 9	4°40	M26
T 27	18 21 12	5°19'37	10♑17	15°42	10°13	10°20	20°12	21°50	4°30	25°55	24° 8	21°10	22° 4	27°16	4°47	T 27
W28	18 25 9	6°16'47	23°16	16°13	11°25	10°54	20°23	21°50	4°32	25°56	24° 9	21°D 9	22° 1	27°23	4°54	W28
T 29	18 29 5	7°13'57	6♒29	16°50	12°38	11°28	20°34	21°51	4°34	25°58	24° 9	21°10	21°58	27°30	5° 1	T 29
F 30	18 33 2	8♋11'08	19♒55	17♊31	13♊50	12♍ 2	20♌45	21♎51	4♉36	25♌59	24♈10	21♑11	21♑55	27♎36	5♌ 8	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 4	20s27	0n27	22n 7	1s10	12n51	1s47	14n 3	1n20	16n59	0n57	6s12	2n41	12n14	0s29	13n40	0n37	6s21	16s46	21s44	21s27	14s14	13n29	6s26
F 2	22 12	16 19	1 36	21 49	1 27	13 14	1 46	13 51	1 19	16 57	0 57	6 12	2 41	12 15	0 29	13 39	0 37	6 21	16 47	21 44	21 28	14 17	13 28	6 26
S 3	22 20	11 19	2 42	21 30	1 44	13 37	1 45	13 40	1 18	16 54	0 57	6 11	2 40	12 16	0 29	13 39	0 37	6 21	16 47	21 44	21 28	14 19	13 27	6 25
S 4	22 27	5 41	3 40	21 11	2 1	14 0	1 44	13 28	1 17	16 51	0 57	6 11	2 40	12 17	0 29	13 39	0 37	6 21	16 47	21 44	21 29	14 22	13 27	6 25
M 5	22 34	0n20	4 26	20 53	2 18	14 23	1 43	13 16	1 16	16 49	0 57	6 10	2 40	12 18	0 29	13 38	0 37	6 21	16 47	21 44	21 29	14 24	13 26	6 24
T 6	22 41	6 27	4 58	20 35	2 34	14 45	1 42	13 4	1 14	16 46	0 56	6 10	2 40	12 19	0 29	13 38	0 36	6 21	16 48	21 44	21 30	14 27	13 25	6 23
W 7	22 47	12 21	5 11	20 17	2 50	15 7	1 40	12 52	1 13	16 43	0 56	6 9	2 40	12 19	0 29	13 38	0 36	6 21	16 48	21 44	21 30	14 29	13 24	6 23
T 8	22 53	17 37	5 4	19 59	3 5	15 29	1 39	12 40	1 12	16 40	0 56	6 9	2 39	12 20	0 29	13 37	0 36	6 21	16 48	21 45	21 31	14 32	13 23	6 22
F 9	22 58	21 52	4 37	19 42	3 19	15 50	1 37	12 27	1 11	16 37	0 56	6 8	2 39	12 21	0 29	13 37	0 36	6 21	16 48	21 46	21 31	14 34	13 22	6 22
S 10	23 3	24 41	3 52	19 26	3 32	16 11	1 36	12 15	1 10	16 34	0 56	6 8	2 39	12 22	0 29	13 37	0 36	6 21	16 49	21 46	21 32	14 37	13 21	6 22
S 11	23 7	25 48	2 52	19 12	3 44	16 32	1 34	12 3	1 9	16 31	0 56	6 8	2 39	12 23	0 29	13 36	0 36	6 21	16 49	21 47	21 32	14 39	13 21	6 21
M12	23 11	25 10	1 42	18 58	3 54	16 52	1 33	11 50	1 8	16 28	0 56	6 8	2 38	12 24	0 29	13 36	0 36	6 21	16 49	21 47	21 33	14 42	13 20	6 21
T 13	23 15	22 55	0 27	18 46	4 4	17 11	1 31	11 37	1 7	16 25	0 56	6 7	2 38	12 25	0 29	13 35	0 36	6 20	16 50	21 48	21 33	14 44	13 19	6 20
W14	23 18	19 25	0s47	18 35	4 12	17 31	1 29	11 25	1 6	16 22	0 56	6 7	2 38	12 26	0 29	13 35	0 36	6 20	16 50	21 48	21 34	14 46	13 18	6 20
T 15	23 21	15 1	1 57	18 26	4 18	17 50	1 28	11 12	1 5	16 19	0 56	6 7	2 38	12 27	0 29	13 35	0 36	6 20	16 50	21 47	21 35	14 49	13 17	6 19
F 16	23 23	10 4	2 59	18 18	4 23	18 8	1 26	10 59	1 4	16 16	0 56	6 7	2 37	12 27	0 29	13 34	0 36	6 20	16 50	21 47	21 35	14 51	13 16	6 19
S 17	23 26	4 50	3 50	18 12	4 27	18 26	1 24	10 46	1 3	16 13	0 56	6 7	2 37	12 28	0 29	13 34	0 36	6 20	16 51	21 47	21 36	14 54	13 15	6 18
S 18	23 27	0s28	4 30	18 8	4 29	18 44	1 22	10 33	1 2	16 10	0 56	6 7	2 37	12 29	0 29	13 33	0 36	6 20	16 51	21 47	21 36	14 56	13 13	6 18
M19	23 28	5 40	4 58	18 6	4 30	19 1	1 20	10 20	1 1	16 6	0 56	6 7	2 36	12 30	0 29	13 33	0 36	6 21	16 51	21 47	21 37	14 59	13 12	6 18
T 20	23 29	10 36	5 12	18 6	4 30	19 18	1 18	10 7	1 0	16 3	0 56	6 7	2 36	12 31	0 29	13 32	0 36	6 21	16 52	21 47	21 37	15 1	13 11	6 17
W21	23 29	15 8	5 13	18 7	4 28	19 34	1 16	9 53	0 59	16 0	0 56	6 7	2 36	12 31	0 29	13 32	0 36	6 21	16 52	21 47	21 38	15 3	13 10	6 17
T 22	23 29	19 6	5 0	18 11	4 25	19 49	1 14	9 40	0 58	15 56	0 56	6 7	2 36	12 32	0 29	13 31	0 36	6 21	16 52	21 48	21 38	15 6	13 9	6 16
F 23	23 29	22 19	4 35	18 15	4 21	20 5	1 11	9 27	0 57	15 53	0 55	6 7	2 35	12 33	0 29	13 31	0 36	6 21	16 52	21 48	21 39	15 8	13 8	6 16
S 24	23 28	24 36	3 56	18 22	4 16	20 19	1 9	9 13	0 56	15 50	0 55	6 7	2 35	12 34	0 29	13 30	0 36	6 21	16 53	21 49	21 39	15 11	13 7	6 16
S 25	23 27	25 44	3 6	18 30	4 10	20 33	1 7	8 59	0 55	15 46	0 55	6 8	2 35	12 34	0 29	13 30	0 36	6 21	16 53	21 49	21 40	15 13	13 5	6 15
M26	23 25	25 35	2 7	18 39	4 2	20 47	1 5	8 46	0 54	15 43	0 55	6 8	2 35	12 35	0 29	13 29	0 36	6 21	16 53	21 49	21 40	15 15	13 4	6 15
T 27	23 23	24 5	1 0	18 50	3 54	21 0	1 2	8 32	0 53	15 39	0 55	6 8	2 34	12 36	0 29	13 29	0 36	6 21	16 54	21 49	21 41	15 18	13 3	6 14
W28	23 21	21 17	0n12	19 2	3 46	21 12	1 0	8 18	0 52	15 36	0 55	6 9	2 34	12 36	0 29	13 28	0 36	6 21	16 54	21 49	21 41	15 20	13 1	6 14
T 29	23 18	17 21	1 24	19 15	3 36	21 24	0 58	8 4	0 51	15 32	0 55	6 9	2 34	12 37	0 29	13 28	0 36	6 21	16 54	21 49	21 42	15 23	13 0	6 14
F 30	23n14	12s28	2n32	19n29	3s26	21n36	0s55	7n50	0n50	15n29	0n55	6s 9	2n34	12n38	0s29	13n27	0n36	6s21	16s55	21s49	21s42	15s25	12n59	6s13

Julian Day Number = 2305599.5, Delta T = 88.25 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'49, Lahiri = 18°16'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

JULY 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 58	9♋ 8'18	3♓34	18♊17	15♊ 3	12♍36	20♌56	21♎52	4♉38	26♌ 1	24♈10	21♑12	21♑51	27♎43	5♌16	S 1
S 2	18 40 55	10° 5'29	17°24	19° 8	16°15	13°11	21° 8	21°52	4°40	26° 3	24°11	21°13	21°48	27°50	5°23	S 2
M 3	18 44 51	11° 2'40	1♈25	20° 3	17°28	13°45	21°19	21°53	4°42	26° 4	24°11	21°13	21°45	27°56	5°30	M 3
T 4	18 48 48	11°59'51	15°35	21° 3	18°40	14°20	21°30	21°54	4°43	26° 6	24°11	21°R13	21°42	28° 3	5°37	T 4
W 5	18 52 45	12°57'03	29°52	22° 7	19°53	14°55	21°42	21°55	4°45	26° 8	24°12	21°13	21°39	28°10	5°44	W 5
T 6	18 56 41	13°54'16	14♉13	23°16	21° 5	15°30	21°53	21°56	4°47	26° 9	24°12	21°12	21°36	28°17	5°52	T 6
F 7	19 0 38	14°51'29	28°35	24°30	22°18	16° 5	22° 5	21°57	4°49	26°11	24°13	21°12	21°32	28°23	5°59	F 7
S 8	19 4 34	15°48'43	12♊53	25°47	23°31	16°40	22°16	21°58	4°50	26°13	24°13	21°11	21°29	28°30	6° 6	S 8
S 9	19 8 31	16°45'58	27° 4	27° 9	24°43	17°15	22°28	22° 0	4°52	26°15	24°13	21°11	21°26	28°37	6°14	S 9
M10	19 12 27	17°43'13	11♋ 2	28°36	25°56	17°50	22°40	22° 1	4°53	26°16	24°14	21°10	21°23	28°44	6°21	M10
T 11	19 16 24	18°40'28	24°44	0♋ 6	27° 9	18°26	22°51	22° 3	4°55	26°18	24°14	21°D10	21°20	28°50	6°29	T 11
W12	19 20 21	19°37'44	8♌ 8	1°40	28°22	19° 1	23° 3	22° 4	4°56	26°20	24°14	21°10	21°16	28°57	6°36	W12
T 13	19 24 17	20°34'59	21°14	3°18	29°35	19°37	23°15	22° 6	4°58	26°22	24°14	21°10	21°13	29° 4	6°44	T 13
F 14	19 28 14	21°32'16	4♍ 0	5° 0	0♋48	20°12	23°27	22° 8	4°59	26°24	24°15	21°R10	21°10	29°10	6°51	F 14
S 15	19 32 10	22°29'32	16°28	6°45	2° 1	20°48	23°39	22°10	5° 0	26°26	24°15	21°10	21° 7	29°17	6°59	S 15
S 16	19 36 7	23°26'49	28°43	8°34	3°14	21°24	23°51	22°12	5° 2	26°28	24°15	21°10	21° 4	29°24	7° 6	S 16
M17	19 40 3	24°24'06	10♎45	10°26	4°27	22° 0	24° 3	22°14	5° 3	26°30	24°15	21°10	21° 1	29°31	7°14	M17
T 18	19 44 0	25°21'24	22°41	12°20	5°40	22°36	24°15	22°16	5° 4	26°32	24°15	21°D10	20°57	29°37	7°21	T 18
W19	19 47 56	26°18'42	4♏35	14°17	6°53	23°12	24°27	22°18	5° 5	26°34	24°16	21°10	20°54	29°44	7°29	W19
T 20	19 51 53	27°16'00	16°30	16°16	8° 6	23°48	24°40	22°21	5° 6	26°36	24°16	21°10	20°51	29°51	7°37	T 20
F 21	19 55 50	28°13'19	28°32	18°18	9°19	24°24	24°52	22°23	5° 7	26°38	24°16	21°11	20°48	29°57	7°44	F 21
S 22	19 59 46	29°10'39	10♐45	20°20	10°32	25° 1	25° 4	22°26	5° 8	26°40	24°16	21°12	20°45	0♏ 4	7°52	S 22
S 23	20 3 43	0♌ 7'59	23°12	22°24	11°45	25°37	25°17	22°28	5° 9	26°42	24°16	21°12	20°42	0°11	8° 0	S 23
M24	20 7 39	1° 5'20	5♑55	24°29	12°58	26°14	25°29	22°31	5°10	26°44	24°R16	21°13	20°38	0°18	8° 7	M24
T 25	20 11 36	2° 2'41	18°56	26°35	14°12	26°50	25°41	22°34	5°11	26°46	24°16	21°R13	20°35	0°24	8°15	T 25
W26	20 15 32	3° 0'03	2♒16	28°40	15°25	27°27	25°54	22°37	5°12	26°48	24°16	21°13	20°32	0°31	8°23	W26
T 27	20 19 29	3°57'26	15°54	0♌46	16°38	28° 4	26° 6	22°40	5°12	26°50	24°16	21°12	20°29	0°38	8°30	T 27
F 28	20 23 25	4°54'50	29°47	2°52	17°51	28°41	26°19	22°43	5°13	26°52	24°16	21°11	20°26	0°45	8°38	F 28
S 29	20 27 22	5°52'15	13♓51	4°57	19° 5	29°18	26°31	22°46	5°14	26°54	24°16	21° 9	20°22	0°51	8°46	S 29
S 30	20 31 19	6°49'41	28° 4	7° 1	20°18	29°55	26°44	22°50	5°14	26°56	24°15	21° 7	20°19	0°58	8°53	S 30
M31	20 35 15	7♌47'09	12♈22	9♌ 4	21♋32	0♎32	26♌57	22♎53	5♉15	26♌58	24♈15	21♑ 6	20♑16	1♏ 5	9♌ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n11	6s54	3n33	19n44	3s15	21n46	0s53	7n36	0n49	15n25	0n55	6s10	2n33	12n38	0s29	13n27	0n36	6s21	16s55	21s49	21s43	15s27	12n57	6s13
S 2	23 6	0 57	4 23	20 0	3 3	21 57	0 50	7 22	0 48	15 21	0 55	6 10	2 33	12 39	0 29	13 26	0 36	6 22	16 55	21 49	21 43	15 30	12 56	6 13
M 3	23 2	5n 7	4 58	20 16	2 52	22 6	0 48	7 8	0 48	15 18	0 55	6 11	2 33	12 39	0 29	13 26	0 36	6 22	16 56	21 49	21 44	15 32	12 55	6 13
T 4	22 57	10 59	5 15	20 32	2 39	22 15	0 45	6 54	0 47	15 14	0 55	6 11	2 33	12 40	0 29	13 25	0 36	6 22	16 56	21 49	21 44	15 34	12 53	6 12
W 5	22 52	16 19	5 13	20 49	2 27	22 23	0 43	6 39	0 46	15 10	0 55	6 12	2 32	12 41	0 29	13 24	0 36	6 22	16 56	21 49	21 45	15 37	12 52	6 12
T 6	22 46	20 46	4 51	21 6	2 14	22 31	0 40	6 25	0 45	15 7	0 55	6 13	2 32	12 41	0 29	13 24	0 36	6 22	16 57	21 49	21 45	15 39	12 50	6 12
F 7	22 40	23 59	4 12	21 22	2 1	22 38	0 38	6 11	0 44	15 3	0 55	6 13	2 32	12 42	0 29	13 23	0 36	6 22	16 57	21 49	21 46	15 41	12 49	6 11
S 8	22 33	25 39	3 16	21 38	1 47	22 45	0 35	5 56	0 43	14 59	0 55	6 14	2 31	12 42	0 29	13 23	0 36	6 23	16 57	21 49	21 46	15 44	12 47	6 11
S 9	22 26	25 37	2 10	21 54	1 34	22 50	0 33	5 42	0 42	14 55	0 55	6 15	2 31	12 43	0 29	13 22	0 36	6 23	16 58	21 49	21 47	15 46	12 46	6 11
M10	22 19	23 58	0 56	22 9	1 20	22 56	0 30	5 27	0 41	14 51	0 55	6 16	2 31	12 43	0 29	13 21	0 36	6 23	16 58	21 49	21 47	15 48	12 44	6 11
T 11	22 11	20 54	0s20	22 23	1 7	23 0	0 28	5 12	0 40	14 47	0 55	6 16	2 31	12 44	0 29	13 21	0 36	6 23	16 58	21 49	21 48	15 51	12 43	6 10
W12	22 3	16 47	1 33	22 35	0 54	23 4	0 25	4 58	0 39	14 44	0 55	6 17	2 30	12 44	0 29	13 20	0 36	6 23	16 59	21 49	21 48	15 53	12 41	6 10
T 13	21 55	11 57	2 39	22 47	0 40	23 7	0 22	4 43	0 39	14 40	0 55	6 18	2 30	12 45	0 29	13 19	0 36	6 24	16 59	21 49	21 49	15 55	12 40	6 10
F 14	21 46	6 43	3 36	22 56	0 27	23 10	0 20	4 28	0 38	14 36	0 55	6 19	2 30	12 45	0 29	13 19	0 36	6 24	16 59	21 49	21 49	15 58	12 38	6 10
S 15	21 37	1 21	4 21	23 4	0 15	23 11	0 17	4 13	0 37	14 32	0 55	6 20	2 30	12 46	0 29	13 18	0 36	6 24	17 0	21 49	21 50	16 0	12 36	6 10
S 16	21 27	3s58	4 53	23 10	0 2	23 13	0 15	3 58	0 36	14 28	0 55	6 21	2 29	12 46	0 29	13 17	0 36	6 24	17 0	21 49	21 50	16 2	12 35	6 9
M17	21 17	9 2	5 12	23 14	0n10	23 13	0 12	3 43	0 35	14 24	0 55	6 22	2 29	12 46	0 29	13 17	0 36	6 25	17 0	21 49	21 51	16 5	12 33	6 9
T 18	21 7	13 44	5 17	23 16	0 21	23 13	0 9	3 28	0 34	14 20	0 55	6 23	2 29	12 47	0 29	13 16	0 36	6 25	17 1	21 49	21 51	16 7	12 31	6 9
W19	20 56	17 54	5 8	23 15	0 32	23 12	0 7	3 13	0 33	14 16	0 55	6 24	2 29	12 47	0 29	13 15	0 36	6 25	17 1	21 49	21 52	16 9	12 30	6 9
T 20	20 45	21 23	4 46	23 12	0 42	23 11	0 4	2 58	0 32	14 11	0 55	6 25	2 28	12 47	0 29	13 15	0 36	6 26	17 1	21 49	21 52	16 11	12 28	6 9
F 21	20 34	23 58	4 12	23 5	0 52	23 8	0 2	2 43	0 32	14 7	0 55	6 27	2 28	12 48	0 29	13 14	0 36	6 26	17 2	21 49	21 53	16 14	12 26	6 8
S 22	20 22	25 30	3 26	22 57	1 0	23 5	0n 1	2 27	0 31	14 3	0 55	6 28	2 28	12 48	0 29	13 13	0 36	6 26	17 2	21 49	21 53	16 16	12 24	6 8
S 23	20 10	25 48	2 29	22 45	1 9	23 2	0 4	2 12	0 30	13 59	0 55	6 29	2 28	12 48	0 29	13 13	0 36	6 26	17 2	21 49	21 54	16 18	12 23	6 8
M24	19 58	24 45	1 24	22 31	1 16	22 58	0 6	1 57	0 29	13 55	0 55	6 30	2 27	12 49	0 29	13 12	0 36	6 27	17 3	21 49	21 54	16 21	12 21	6 8
T 25	19 45	22 22	0 13	22 14	1 22	22 53	0 9	1 42	0 28	13 51	0 55	6 31	2 27	12 49	0 29	13 11	0 36	6 27	17 3	21 49	21 55	16 23	12 19	6 8
W26	19 32	18 43	1n 1	21 55	1 28	22 47	0 11	1 26	0 27	13 46	0 55	6 33	2 27	12 49	0 29	13 11	0 36	6 27	17 4	21 49	21 55	16 25	12 17	6 8
T 27	19 18	14 0	2 12	21 33	1 33	22 41	0 14	1 11	0 27	13 42	0 55	6 34	2 27	12 49	0 30	13 10	0 36	6 28	17 4	21 49	21 56	16 27	12 15	6 8
F 28	19 5	8 30	3 17	21 8	1 37	22 34	0 16	0 55	0 26	13 38	0 55	6 36	2 26	12 50	0 30	13 9	0 36	6 28	17 4	21 49	21 56	16 30	12 13	6 8
S 29	18 51	2 30	4 11	20 42	1 41	22 26	0 19	0 40	0 25	13 34	0 55	6 37	2 26	12 50	0 30	13 9	0 36	6 28	17 5	21 49	21 57	16 32	12 12	6 8
S 30	18 36	3n40	4 50	20 13	1 43	22 18	0 21	0 24	0 24	13 29	0 55	6 38	2 26	12 50	0 30	13 8	0 36	6 29	17 5	21 50	21 57	16 34	12 10	6 7
M31	18n22	9n40	5n12	19n43	1n45	22n 9	0n23	0n 9	0n23	13n25	0n55	6s40	2n26	12n50	0s30	13n 7	0n36	6s29	17s 5	21s50	21s58	16s36	12n 8	6s 7

Julian Day Number = 2305629.5, Delta T = 88.15 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'53, Lahiri = 18°16'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

AUGUST 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 39 12	8♌44'37	26♈39	11♌ 7	22♋45	1♎ 9	27♌ 9	22♎56	5♉15	27♌ 0	24°R15	21°R 5	20♑13	1♏11	9♌ 9	T 1
W 2	20 43 8	9°42'08	10♉54	13° 8	23°59	1°46	27°22	23° 0	5°16	27° 3	24♈15	21°D 4	20°10	1°18	9°17	W 2
T 3	20 47 5	10°39'39	25° 4	15° 8	25°12	2°24	27°35	23° 3	5°16	27° 5	24°15	21♑ 5	20° 7	1°25	9°24	T 3
F 4	20 51 1	11°37'12	9♊ 6	17° 7	26°26	3° 1	27°47	23° 7	5°16	27° 7	24°15	21° 6	20° 3	1°32	9°32	F 4
S 5	20 54 58	12°34'47	23° 0	19° 4	27°40	3°39	28° 0	23°11	5°17	27° 9	24°14	21° 7	20° 0	1°38	9°40	S 5
S 6	20 58 54	13°32'23	6♋43	21° 0	28°53	4°16	28°13	23°15	5°17	27°11	24°14	21° 8	19°57	1°45	9°48	S 6
M 7	21 2 51	14°30'00	20°15	22°55	0♌ 7	4°54	28°26	23°19	5°17	27°13	24°14	21°R 9	19°54	1°52	9°55	M 7
T 8	21 6 48	15°27'39	3♌34	24°48	1°21	5°32	28°39	23°23	5°17	27°16	24°14	21° 8	19°51	1°58	10° 3	T 8
W 9	21 10 44	16°25'19	16°39	26°40	2°34	6°10	28°51	23°27	5°17	27°18	24°13	21° 7	19°48	2° 5	10°11	W 9
T 10	21 14 41	17°23'00	29°31	28°30	3°48	6°48	29° 4	23°31	5°R17	27°20	24°13	21° 4	19°44	2°12	10°19	T 10
F 11	21 18 37	18°20'42	12♍ 8	0♍19	5° 2	7°26	29°17	23°35	5°17	27°22	24°13	21° 0	19°41	2°19	10°26	F 11
S 12	21 22 34	19°18'26	24°31	2° 7	6°16	8° 4	29°30	23°40	5°17	27°24	24°12	20°55	19°38	2°25	10°34	S 12
S 13	21 26 30	20°16'11	6♎42	3°53	7°30	8°42	29°43	23°44	5°17	27°27	24°12	20°50	19°35	2°32	10°42	S 13
M14	21 30 27	21°13'57	18°44	5°37	8°44	9°20	29°56	23°48	5°17	27°29	24°11	20°46	19°32	2°39	10°49	M14
T 15	21 34 23	22°11'44	0♏38	7°20	9°58	9°59	0♍ 9	23°53	5°17	27°31	24°11	20°43	19°28	2°46	10°57	T 15
W16	21 38 20	23° 9'32	12°31	9° 2	11°12	10°37	0°22	23°58	5°17	27°33	24°11	20°41	19°25	2°52	11° 5	W16
T 17	21 42 17	24° 7'22	24°25	10°42	12°26	11°16	0°35	24° 2	5°16	27°35	24°10	20°D40	19°22	2°59	11°12	T 17
F 18	21 46 13	25° 5'13	6♐25	12°21	13°40	11°54	0°48	24° 7	5°16	27°38	24°10	20°41	19°19	3° 6	11°20	F 18
S 19	21 50 10	26° 3'05	18°37	13°59	14°54	12°33	1° 1	24°12	5°16	27°40	24° 9	20°42	19°16	3°12	11°28	S 19
S 20	21 54 6	27° 0'58	1♑ 6	15°35	16° 8	13°12	1°14	24°17	5°15	27°42	24° 9	20°44	19°13	3°19	11°35	S 20
M21	21 58 3	27°58'53	13°54	17°10	17°22	13°50	1°27	24°22	5°15	27°44	24° 8	20°45	19° 9	3°26	11°43	M21
T 22	22 1 59	28°56'49	27° 5	18°44	18°36	14°29	1°40	24°27	5°14	27°47	24° 7	20°R45	19° 6	3°33	11°50	T 22
W23	22 5 56	29°54'47	10♒40	20°16	19°50	15° 8	1°53	24°32	5°13	27°49	24° 7	20°43	19° 3	3°39	11°58	W23
T 24	22 9 52	0♍52'46	24°38	21°47	21° 4	15°47	2° 6	24°37	5°13	27°51	24° 6	20°40	19° 0	3°46	12° 6	T 24
F 25	22 13 49	1°50'46	8♓56	23°17	22°19	16°26	2°19	24°42	5°12	27°53	24° 6	20°35	18°57	3°53	12°13	F 25
S 26	22 17 46	2°48'48	23°29	24°45	23°33	17° 6	2°32	24°48	5°11	27°55	24° 5	20°29	18°54	3°59	12°21	S 26
S 27	22 21 42	3°46'52	8♈10	26°12	24°47	17°45	2°45	24°53	5°11	27°58	24° 4	20°22	18°50	4° 6	12°28	S 27
M28	22 25 39	4°44'58	22°51	27°37	26° 1	18°24	2°58	24°58	5°10	28° 0	24° 4	20°16	18°47	4°13	12°35	M28
T 29	22 29 35	5°43'06	7♉26	29° 2	27°16	19° 4	3°11	25° 4	5° 9	28° 2	24° 3	20°11	18°44	4°20	12°43	T 29
W30	22 33 32	6°41'16	21°49	0♎24	28°30	19°43	3°24	25° 9	5° 8	28° 4	24° 2	20° 9	18°41	4°26	12°50	W30
T 31	22 37 28	7♍39'28	5♊58	1♎46	29♌45	20♎23	3♍37	25♎15	5♉ 7	28♌ 6	24♈ 2	20°D 8	18♑38	4♏33	12♌58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	18n 7	15n10	5n14	19n11	1n46	22n 0	0n26	0s 7	0n23	13n21	0n55	6s41	2n25	12n50	0s30	13n 6	0n36	6s29	17s 6	21s50	21s58	16s39	12n 6	6s 7	T 1
W 2	17 52	19 49	4 57	18 37	1 46	21 49	0 28	0 22	0 22	13 16	0 55	6 43	2 25	12 50	0 30	13 6	0 36	6 30	17 6	21 50	21 58	16 41	12 4	6 7	W 2
T 3	17 36	23 18	4 22	18 1	1 46	21 39	0 31	0 38	0 21	13 12	0 55	6 44	2 25	12 50	0 30	13 5	0 36	6 30	17 6	21 50	21 59	16 43	12 2	6 7	T 3
F 4	17 20	25 20	3 31	17 25	1 45	21 27	0 33	0 54	0 20	13 8	0 55	6 46	2 25	12 51	0 30	13 4	0 36	6 31	17 7	21 50	21 59	16 45	12 0	6 7	F 4
S 5	17 4	25 47	2 29	16 47	1 44	21 15	0 35	1 9	0 19	13 3	0 55	6 48	2 24	12 51	0 30	13 3	0 36	6 31	17 7	21 50	22 0	16 47	11 58	6 7	S 5
S 6	16 48	24 38	1 19	16 8	1 42	21 2	0 37	1 25	0 19	12 59	0 55	6 49	2 24	12 51	0 30	13 3	0 36	6 31	17 7	21 50	22 0	16 50	11 56	6 7	S 6
M 7	16 31	22 3	0 5	15 28	1 39	20 49	0 40	1 41	0 18	12 54	0 55	6 51	2 24	12 51	0 30	13 2	0 36	6 32	17 8	21 50	22 1	16 52	11 54	6 7	M 7
T 8	16 14	18 18	1s 8	14 47	1 36	20 35	0 42	1 57	0 17	12 50	0 55	6 53	2 24	12 51	0 30	13 1	0 36	6 32	17 8	21 50	22 1	16 54	11 52	6 7	T 8
W 9	15 57	13 44	2 15	14 6	1 32	20 20	0 44	2 12	0 16	12 45	0 55	6 54	2 23	12 51	0 30	13 0	0 36	6 33	17 8	21 50	22 2	16 56	11 50	6 7	W 9
T 10	15 40	8 37	3 15	13 24	1 28	20 5	0 46	2 28	0 15	12 41	0 55	6 56	2 23	12 51	0 30	13 0	0 36	6 33	17 9	21 50	22 2	16 58	11 48	6 7	T 10
F 11	15 22	3 16	4 4	12 41	1 24	19 49	0 48	2 44	0 15	12 36	0 55	6 58	2 23	12 51	0 30	12 59	0 36	6 33	17 9	21 51	22 3	17 1	11 46	6 7	F 11
S 12	15 4	2s 6	4 40	11 58	1 19	19 33	0 50	3 0	0 14	12 32	0 55	7 0	2 23	12 51	0 30	12 58	0 36	6 34	17 9	21 52	22 3	17 3	11 44	6 7	S 12
S 13	14 46	7 18	5 3	11 15	1 14	19 16	0 52	3 15	0 13	12 27	0 55	7 1	2 23	12 51	0 30	12 57	0 36	6 34	17 9	21 52	22 4	17 5	11 42	6 7	S 13
M14	14 27	12 9	5 12	10 32	1 8	18 59	0 54	3 31	0 12	12 23	0 55	7 3	2 22	12 51	0 30	12 57	0 36	6 35	17 10	21 53	22 4	17 7	11 40	6 7	M14
T 15	14 9	16 31	5 7	9 48	1 2	18 41	0 56	3 47	0 11	12 18	0 55	7 5	2 22	12 51	0 30	12 56	0 36	6 35	17 10	21 54	22 4	17 9	11 38	6 7	T 15
W16	13 50	20 13	4 50	9 4	0 56	18 22	0 57	4 3	0 11	12 14	0 55	7 7	2 22	12 50	0 30	12 55	0 36	6 36	17 10	21 54	22 5	17 11	11 36	6 7	W16
T 17	13 31	23 7	4 20	8 20	0 50	18 3	0 59	4 19	0 10	12 9	0 55	7 9	2 22	12 50	0 30	12 54	0 36	6 36	17 11	21 54	22 5	17 14	11 33	6 7	T 17
F 18	13 11	25 1	3 38	7 36	0 43	17 44	1 1	4 34	0 9	12 5	0 55	7 11	2 22	12 50	0 30	12 54	0 36	6 36	17 11	21 54	22 6	17 16	11 31	6 7	F 18
S 19	12 52	25 46	2 46	6 52	0 36	17 24	1 2	4 50	0 8	12 0	0 55	7 13	2 21	12 50	0 30	12 53	0 36	6 37	17 11	21 54	22 6	17 18	11 29	6 8	S 19
S 20	12 32	25 14	1 45	6 8	0 29	17 3	1 4	5 6	0 8	11 55	0 55	7 15	2 21	12 50	0 30	12 52	0 36	6 37	17 12	21 53	22 7	17 20	11 27	6 8	S 20
M21	12 12	23 23	0 37	5 24	0 21	16 42	1 6	5 22	0 7	11 51	0 55	7 17	2 21	12 50	0 30	12 51	0 36	6 38	17 12	21 53	22 7	17 22	11 25	6 8	M21
T 22	11 52	20 14	0n34	4 41	0 14	16 21	1 7	5 38	0 6	11 46	0 55	7 19	2 21	12 49	0 30	12 51	0 36	6 38	17 12	21 53	22 8	17 24	11 23	6 8	T 22
W23	11 32	15 54	1 46	3 57	0 6	15 59	1 9	5 53	0 5	11 41	0 55	7 21	2 21	12 49	0 30	12 50	0 36	6 39	17 12	21 53	22 8	17 26	11 21	6 8	W23
T 24	11 11	10 37	2 53	3 14	0s 2	15 37	1 10	6 9	0 5	11 37	0 56	7 23	2 20	12 49	0 30	12 49	0 37	6 39	17 13	21 54	22 9	17 28	11 19	6 8	T 24
F 25	10 50	4 40	3 51	2 31	0 10	15 14	1 11	6 25	0 4	11 32	0 56	7 25	2 20	12 49	0 30	12 48	0 37	6 40	17 13	21 55	22 9	17 31	11 16	6 8	F 25
S 26	10 30	1n37	4 35	1 49	0 18	14 51	1 13	6 41	0 3	11 28	0 56	7 27	2 20	12 49	0 30	12 48	0 37	6 40	17 13	21 56	22 9	17 33	11 14	6 8	S 26
S 27	10 9	7 51	5 1	1 7	0 26	14 27	1 14	6 56	0 3	11 23	0 56	7 29	2 20	12 48	0 30	12 47	0 37	6 41	17 14	21 57	22 10	17 35	11 12	6 9	S 27
M28	9 47	13 40	5 8	0 25	0 35	14 3	1 15	7 12	0 2	11 18	0 56	7 31	2 20	12 48	0 30	12 46	0 37	6 41	17 14	21 58	22 10	17 37	11 10	6 9	M28
T 29	9 26	18 39	4 55	0s16	0 43	13 38	1 16	7 28	0 1	11 14	0 56	7 34	2 19	12 48	0 30	12 45	0 37	6 42	17 14	21 58	22 11	17 39	11 8	6 9	T 29
W30	9 5	22 29	4 23	0 57	0 52	13 14	1 17	7 43	0 0	11 9	0 56	7 36	2 19	12 47	0 30	12 45	0 37	6 42	17 14	21 59	22 11	17 41	11 5	6 9	W30
T 31	8n43	24n53	3n35	1s37	1s 0	12n48	1n18	7s59	0s 0	11n 4	0n56	7s38	2n19	12n47	0s30	12n44	0n37	6s43	17s15	21s59	22s12	17s43	11n 3	6s 9	T 31

Julian Day Number = 2305660.5, Delta T = 88.03 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'57, Lahiri = 18°16'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

SEPTEMBER 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 41 25	8♍37'42	19♊51	3♎ 5	0♍59	21♎ 2	3♍50	25♎20	5°R 6	28♌ 9	24°R 1	20♑ 8	18♑34	4♏40	13♌ 5	F 1
S 2	22 45 21	9°35'58	3♋29	4°24	2°13	21°42	4° 3	25°26	5♉ 5	28°11	24♈ 0	20° 9	18°31	4°46	13°12	S 2
S 3	22 49 18	10°34'16	16°51	5°40	3°28	22°22	4°16	25°32	5° 4	28°13	23°59	20°R10	18°28	4°53	13°20	S 3
M 4	22 53 15	11°32'37	0♌ 0	6°56	4°42	23° 2	4°29	25°38	5° 3	28°15	23°58	20° 9	18°25	5° 0	13°27	M 4
T 5	22 57 11	12°30'59	12°57	8° 9	5°57	23°42	4°42	25°44	5° 2	28°17	23°58	20° 7	18°22	5° 7	13°34	T 5
W 6	23 1 8	13°29'23	25°42	9°21	7°12	24°22	4°55	25°50	5° 0	28°20	23°57	20° 2	18°19	5°13	13°41	W 6
T 7	23 5 4	14°27'49	8♍16	10°30	8°26	25° 2	5° 8	25°56	4°59	28°22	23°56	19°55	18°15	5°20	13°48	T 7
F 8	23 9 1	15°26'17	20°40	11°38	9°41	25°42	5°21	26° 2	4°58	28°24	23°55	19°46	18°12	5°27	13°56	F 8
S 9	23 12 57	16°24'47	2♎55	12°44	10°55	26°22	5°34	26° 8	4°56	28°26	23°54	19°35	18° 9	5°33	14° 3	S 9
S 10	23 16 54	17°23'19	15° 0	13°47	12°10	27° 3	5°47	26°14	4°55	28°28	23°53	19°24	18° 6	5°40	14°10	S 10
M11	23 20 50	18°21'52	26°57	14°49	13°25	27°43	6° 0	26°20	4°53	28°30	23°53	19°14	18° 3	5°47	14°17	M11
T 12	23 24 47	19°20'28	8♏50	15°47	14°39	28°23	6°13	26°26	4°52	28°32	23°52	19° 5	17°59	5°54	14°24	T 12
W13	23 28 43	20°19'05	20°40	16°43	15°54	29° 4	6°25	26°32	4°50	28°35	23°51	18°59	17°56	6° 0	14°30	W13
T 14	23 32 40	21°17'44	2♐32	17°36	17° 9	29°45	6°38	26°39	4°49	28°37	23°50	18°54	17°53	6° 7	14°37	T 14
F 15	23 36 37	22°16'24	14°29	18°26	18°23	0♏25	6°51	26°45	4°47	28°39	23°49	18°52	17°50	6°14	14°44	F 15
S 16	23 40 33	23°15'07	26°38	19°13	19°38	1° 6	7° 4	26°51	4°46	28°41	23°48	18°D52	17°47	6°20	14°51	S 16
S 17	23 44 30	24°13'51	9♑ 3	19°56	20°53	1°47	7°17	26°58	4°44	28°43	23°47	18°53	17°44	6°27	14°58	S 17
M18	23 48 26	25°12'36	21°49	20°35	22° 8	2°28	7°29	27° 4	4°42	28°45	23°46	18°R53	17°40	6°34	15° 4	M18
T 19	23 52 23	26°11'24	5♒ 0	21°10	23°23	3° 9	7°42	27°11	4°40	28°47	23°45	18°52	17°37	6°41	15°11	T 19
W20	23 56 19	27°10'13	18°39	21°40	24°37	3°50	7°55	27°17	4°39	28°49	23°44	18°49	17°34	6°47	15°18	W20
T 21	0 0 16	28° 9'04	2♓47	22° 5	25°52	4°31	8° 7	27°24	4°37	28°51	23°43	18°43	17°31	6°54	15°24	T 21
F 22	0 4 12	29° 7'57	17°21	22°25	27° 7	5°12	8°20	27°31	4°35	28°53	23°42	18°34	17°28	7° 1	15°31	F 22
S 23	0 8 9	0♎ 6'52	2♈15	22°39	28°22	5°53	8°32	27°37	4°33	28°55	23°41	18°24	17°25	7° 8	15°37	S 23
S 24	0 12 6	1° 5'48	17°20	22°47	29°37	6°35	8°45	27°44	4°31	28°57	23°40	18°14	17°21	7°14	15°43	S 24
M25	0 16 2	2° 4'47	2♉26	22°R48	0♎52	7°16	8°57	27°51	4°29	28°59	23°39	18° 4	17°18	7°21	15°50	M25
T 26	0 19 59	3° 3'49	17°23	22°42	2° 7	7°58	9°10	27°57	4°27	29° 1	23°38	17°56	17°15	7°28	15°56	T 26
W27	0 23 55	4° 2'52	2♊ 3	22°29	3°22	8°39	9°22	28° 4	4°25	29° 3	23°37	17°50	17°12	7°34	16° 2	W27
T 28	0 27 52	5° 1'58	16°22	22° 8	4°36	9°21	9°35	28°11	4°23	29° 5	23°36	17°47	17° 9	7°41	16° 8	T 28
F 29	0 31 48	6° 1'07	0♋17	21°40	5°51	10° 2	9°47	28°18	4°21	29° 6	23°35	17°46	17° 5	7°48	16°14	F 29
S 30	0 35 45	7♎ 0'17	13♋50	21♎ 3	7♎ 6	10♏44	9♍59	28♎25	4♉19	29♌ 8	23♈34	17♑46	17♑ 2	7♏55	16♌20	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n21	25n42	2n36	2s17	1s 9	12n23	1n19	8s15	0s 1	11n 0	0n56	7s40	2n19	12n47	0s30	12n43	0n37	6s43	17s15	21s59	22s12	17s45	11n 1	6s 9
S 2	7 59	24 55	1 29	2 56	1 17	11 57	1 20	8 30	0 2	10 55	0 56	7 42	2 19	12 46	0 30	12 42	0 37	6 44	17 15	21 59	22 13	17 47	10 59	6 10
S 3	7 37	22 43	0 18	3 34	1 26	11 31	1 21	8 46	0 3	10 50	0 56	7 45	2 19	12 46	0 30	12 42	0 37	6 44	17 15	21 58	22 13	17 49	10 57	6 10
M 4	7 15	19 20	0s53	4 12	1 34	11 4	1 21	9 1	0 3	10 45	0 56	7 47	2 18	12 45	0 30	12 41	0 37	6 45	17 16	21 59	22 13	17 51	10 54	6 10
T 5	6 53	15 4	1 59	4 49	1 43	10 37	1 22	9 17	0 4	10 41	0 56	7 49	2 18	12 45	0 30	12 40	0 37	6 45	17 16	21 59	22 14	17 53	10 52	6 10
W 6	6 30	10 11	2 59	5 25	1 51	10 10	1 23	9 32	0 5	10 36	0 56	7 51	2 18	12 45	0 30	12 39	0 37	6 46	17 16	22 0	22 14	17 56	10 50	6 10
T 7	6 8	4 57	3 48	6 0	1 59	9 43	1 23	9 48	0 5	10 31	0 56	7 54	2 18	12 44	0 30	12 39	0 37	6 46	17 16	22 1	22 15	17 58	10 48	6 11
F 8	5 45	0s22	4 26	6 34	2 8	9 15	1 24	10 3	0 6	10 27	0 56	7 56	2 18	12 44	0 30	12 38	0 37	6 47	17 16	22 2	22 15	18 0	10 45	6 11
S 9	5 22	5 37	4 51	7 7	2 16	8 47	1 24	10 18	0 7	10 22	0 57	7 58	2 18	12 43	0 30	12 37	0 37	6 47	17 17	22 4	22 16	18 2	10 43	6 11
S 10	5 0	10 34	5 3	7 40	2 24	8 19	1 24	10 33	0 7	10 17	0 57	8 1	2 17	12 43	0 30	12 36	0 37	6 48	17 17	22 5	22 16	18 4	10 41	6 11
M11	4 37	15 5	5 1	8 11	2 32	7 50	1 25	10 49	0 8	10 13	0 57	8 3	2 17	12 42	0 30	12 36	0 37	6 48	17 17	22 7	22 16	18 6	10 39	6 12
T 12	4 14	18 59	4 46	8 41	2 39	7 22	1 25	11 4	0 9	10 8	0 57	8 5	2 17	12 42	0 30	12 35	0 37	6 49	17 17	22 8	22 17	18 8	10 37	6 12
W13	3 51	22 7	4 19	9 9	2 47	6 53	1 25	11 19	0 9	10 3	0 57	8 8	2 17	12 41	0 30	12 34	0 37	6 49	17 17	22 9	22 17	18 10	10 34	6 12
T 14	3 28	24 19	3 41	9 36	2 54	6 24	1 25	11 34	0 10	9 59	0 57	8 10	2 17	12 41	0 30	12 33	0 37	6 50	17 18	22 9	22 18	18 12	10 32	6 13
F 15	3 4	25 27	2 52	10 2	3 1	5 54	1 25	11 49	0 11	9 54	0 57	8 13	2 17	12 40	0 30	12 33	0 37	6 50	17 18	22 10	22 18	18 14	10 30	6 13
S 16	2 41	25 23	1 56	10 26	3 8	5 25	1 25	12 4	0 11	9 49	0 57	8 15	2 17	12 40	0 30	12 32	0 37	6 51	17 18	22 10	22 18	18 16	10 28	6 13
S 17	2 18	24 3	0 52	10 48	3 14	4 55	1 25	12 19	0 12	9 45	0 57	8 17	2 17	12 39	0 30	12 31	0 37	6 51	17 18	22 10	22 19	18 18	10 25	6 14
M18	1 54	21 28	0n16	11 8	3 19	4 26	1 25	12 33	0 13	9 40	0 57	8 20	2 16	12 38	0 30	12 31	0 37	6 52	17 18	22 10	22 19	18 20	10 23	6 14
T 19	1 31	17 41	1 25	11 26	3 25	3 56	1 25	12 48	0 13	9 35	0 57	8 22	2 16	12 38	0 30	12 30	0 37	6 52	17 19	22 10	22 20	18 22	10 21	6 14
W20	1 8	12 52	2 31	11 42	3 29	3 26	1 24	13 3	0 14	9 31	0 57	8 25	2 16	12 37	0 30	12 29	0 37	6 53	17 19	22 10	22 20	18 24	10 19	6 15
T 21	0 44	7 13	3 31	11 55	3 33	2 56	1 24	13 17	0 15	9 26	0 58	8 27	2 16	12 37	0 30	12 29	0 37	6 53	17 19	22 11	22 21	18 26	10 17	6 15
F 22	0 21	1 2	4 18	12 5	3 36	2 26	1 24	13 32	0 15	9 21	0 58	8 30	2 16	12 36	0 30	12 28	0 37	6 54	17 19	22 12	22 21	18 28	10 14	6 15
S 23	0s 3	5n19	4 50	12 13	3 39	1 55	1 23	13 46	0 16	9 17	0 58	8 32	2 16	12 35	0 30	12 27	0 37	6 54	17 19	22 13	22 21	18 30	10 12	6 16
S 24	0 26	11 27	5 1	12 17	3 40	1 25	1 22	14 0	0 17	9 12	0 58	8 35	2 16	12 35	0 30	12 27	0 37	6 55	17 19	22 15	22 22	18 32	10 10	6 16
M25	0 50	16 54	4 52	12 18	3 41	0 54	1 22	14 15	0 17	9 8	0 58	8 37	2 16	12 34	0 30	12 26	0 37	6 55	17 19	22 16	22 22	18 34	10 8	6 16
T 26	1 13	21 15	4 23	12 15	3 40	0 24	1 21	14 29	0 18	9 3	0 58	8 40	2 16	12 33	0 30	12 25	0 37	6 56	17 20	22 17	22 23	18 35	10 6	6 17
W27	1 37	24 9	3 37	12 8	3 38	0s 7	1 20	14 43	0 19	8 58	0 58	8 42	2 15	12 33	0 30	12 25	0 37	6 56	17 20	22 18	22 23	18 37	10 3	6 17
T 28	2 0	25 25	2 38	11 57	3 34	0 37	1 20	14 57	0 19	8 54	0 58	8 45	2 15	12 32	0 30	12 24	0 37	6 56	17 20	22 18	22 23	18 39	10 1	6 18
F 29	2 24	25 1	1 31	11 42	3 29	1 8	1 19	15 11	0 20	8 49	0 58	8 47	2 15	12 31	0 30	12 23	0 37	6 57	17 20	22 19	22 24	18 41	9 59	6 18
S 30	2s47	23n 7	0n21	11s21	3s22	1s38	1n18	15s24	0s21	8n45	0n59	8s50	2n15	12n31	0s30	12n23	0n37	6s57	17s20	22s19	22s24	18s43	9n57	6s18

Julian Day Number = 2305691.5, Delta T = 87.92 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'01, Lahiri = 18°17'02Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1600
geocentric

OCTOBER 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 39 41	7♎59'30	27♋ 3	20°R19	8♎21	11♏26	10♍11	28♎32	4°R17	29♌10	23°R32	17°R45	16♑59	8♏ 1	16♌26	S 1
M 2	0 43 38	8°58'46	9♌58	19♎27	9°36	12° 8	10°24	28°39	4♉15	29°12	23♈31	17♑44	16°56	8° 8	16°32	M 2
T 3	0 47 35	9°58'03	22°38	18°29	10°51	12°50	10°36	28°45	4°13	29°14	23°30	17°40	16°53	8°15	16°38	T 3
W 4	0 51 31	10°57'23	5♍ 7	17°25	12° 6	13°32	10°48	28°52	4°10	29°15	23°29	17°33	16°50	8°21	16°44	W 4
T 5	0 55 28	11°56'45	17°26	16°17	13°21	14°14	11° 0	28°59	4° 8	29°17	23°28	17°23	16°46	8°28	16°50	T 5
F 6	0 59 24	12°56'09	29°37	15° 5	14°37	14°56	11°12	29° 6	4° 6	29°19	23°27	17°10	16°43	8°35	16°55	F 6
S 7	1 3 21	13°55'36	11♎41	13°53	15°52	15°38	11°24	29°14	4° 4	29°21	23°26	16°56	16°40	8°41	17° 1	S 7
S 8	1 7 17	14°55'04	23°40	12°42	17° 7	16°21	11°36	29°21	4° 1	29°22	23°25	16°42	16°37	8°48	17° 6	S 8
M 9	1 11 14	15°54'34	5♏33	11°33	18°22	17° 3	11°48	29°28	3°59	29°24	23°24	16°28	16°34	8°55	17°12	M 9
T 10	1 15 10	16°54'07	17°24	10°30	19°37	17°46	11°59	29°35	3°57	29°26	23°22	16°15	16°31	9° 2	17°17	T 10
W11	1 19 7	17°53'41	29°13	9°34	20°52	18°28	12°11	29°42	3°54	29°27	23°21	16° 6	16°27	9° 8	17°22	W11
T 12	1 23 4	18°53'17	11♐ 4	8°46	22° 7	19°11	12°23	29°49	3°52	29°29	23°20	15°59	16°24	9°15	17°27	T 12
F 13	1 27 0	19°52'55	23° 1	8° 9	23°22	19°53	12°34	29°56	3°50	29°30	23°19	15°55	16°21	9°22	17°33	F 13
S 14	1 30 57	20°52'35	5♑ 7	7°41	24°37	20°36	12°46	0♏ 3	3°47	29°32	23°18	15°53	16°18	9°28	17°38	S 14
S 15	1 34 53	21°52'17	17°28	7°25	25°52	21°19	12°57	0°10	3°45	29°34	23°17	15°53	16°15	9°35	17°43	S 15
M16	1 38 50	22°52'00	0♒ 8	7°D20	27° 7	22° 2	13° 9	0°18	3°42	29°35	23°16	15°53	16°11	9°42	17°47	M16
T 17	1 42 46	23°51'45	13°13	7°27	28°23	22°45	13°20	0°25	3°40	29°37	23°14	15°52	16° 8	9°49	17°52	T 17
W18	1 46 43	24°51'32	26°47	7°44	29°38	23°28	13°31	0°32	3°38	29°38	23°13	15°49	16° 5	9°55	17°57	W18
T 19	1 50 39	25°51'20	10♓51	8°11	0♏53	24°11	13°43	0°39	3°35	29°39	23°12	15°43	16° 2	10° 2	18° 2	T 19
F 20	1 54 36	26°51'10	25°25	8°48	2° 8	24°54	13°54	0°46	3°33	29°41	23°11	15°35	15°59	10° 9	18° 6	F 20
S 21	1 58 33	27°51'02	10♈24	9°33	3°23	25°37	14° 5	0°54	3°30	29°42	23°10	15°25	15°56	10°15	18°11	S 21
S 22	2 2 29	28°50'56	25°39	10°26	4°38	26°20	14°16	1° 1	3°28	29°44	23° 9	15°13	15°52	10°22	18°15	S 22
M23	2 6 26	29°50'52	10♉59	11°25	5°53	27° 4	14°27	1° 8	3°25	29°45	23° 8	15° 3	15°49	10°29	18°19	M23
T 24	2 10 22	0♏50'49	26°13	12°31	7° 9	27°47	14°37	1°15	3°23	29°46	23° 7	14°54	15°46	10°36	18°23	T 24
W25	2 14 19	1°50'49	11♊11	13°42	8°24	28°31	14°48	1°22	3°20	29°47	23° 5	14°48	15°43	10°42	18°28	W25
T 26	2 18 15	2°50'51	25°46	14°58	9°39	29°14	14°59	1°30	3°18	29°49	23° 4	14°44	15°40	10°49	18°32	T 26
F 27	2 22 12	3°50'55	9♋53	16°17	10°54	29°58	15° 9	1°37	3°15	29°50	23° 3	14°D43	15°37	10°56	18°36	F 27
S 28	2 26 8	4°51'02	23°33	17°40	12° 9	0♐41	15°20	1°44	3°13	29°51	23° 2	14°43	15°33	11° 2	18°39	S 28
S 29	2 30 5	5°51'10	6♌47	19° 5	13°24	1°25	15°30	1°51	3°10	29°52	23° 1	14°R43	15°30	11° 9	18°43	S 29
M30	2 34 2	6°51'20	19°39	20°33	14°40	2° 9	15°40	1°59	3° 8	29°53	23° 0	14°42	15°27	11°16	18°47	M30
T 31	2 37 58	7♏51'33	2♍12	22♎ 3	15♏55	2♐53	15♍51	2♏ 6	3♉ 5	29♌54	22♈59	14♑40	15♑24	11♏23	18♌50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s11	20n 0	0s49	10s57	3s14	2s 9	1n17	15s38	0s21	8n40	0n59	8s52	2n15	12n30	0s30	12n22	0n37	6s58	17s20	22s19	22s25	18s45	9n55	6s19
M 2	3 34	15 57	1 54	10 27	3 3	2 39	1 16	15 51	0 22	8 36	0 59	8 55	2 15	12 29	0 30	12 22	0 37	6 58	17 20	22 19	22 25	18 47	9 53	6 19
T 3	3 57	11 16	2 53	9 54	2 51	3 10	1 15	16 5	0 22	8 31	0 59	8 57	2 15	12 28	0 30	12 21	0 37	6 59	17 20	22 19	22 25	18 49	9 51	6 20
W 4	4 21	6 13	3 42	9 16	2 37	3 40	1 13	16 18	0 23	8 27	0 59	9 0	2 15	12 28	0 30	12 20	0 37	6 59	17 20	22 20	22 26	18 51	9 49	6 20
T 5	4 44	0 59	4 20	8 35	2 21	4 10	1 12	16 31	0 24	8 22	0 59	9 2	2 15	12 27	0 30	12 20	0 37	7 0	17 20	22 22	22 26	18 53	9 46	6 21
F 6	5 7	4s13	4 46	7 51	2 3	4 41	1 11	16 44	0 24	8 18	0 59	9 5	2 15	12 26	0 30	12 19	0 37	7 0	17 20	22 23	22 27	18 55	9 44	6 21
S 7	5 30	9 12	4 58	7 6	1 44	5 11	1 10	16 57	0 25	8 13	0 59	9 7	2 15	12 25	0 30	12 19	0 37	7 1	17 20	22 25	22 27	18 57	9 42	6 22
S 8	5 53	13 48	4 57	6 19	1 25	5 41	1 8	17 10	0 26	8 9	1 0	9 10	2 15	12 25	0 30	12 18	0 37	7 1	17 20	22 27	22 27	18 58	9 40	6 22
M 9	6 16	17 51	4 43	5 34	1 4	6 11	1 7	17 23	0 26	8 4	1 0	9 13	2 15	12 24	0 30	12 17	0 37	7 1	17 21	22 29	22 28	19 0	9 38	6 22
T 10	6 39	21 10	4 17	4 50	0 44	6 41	1 5	17 36	0 27	8 0	1 0	9 15	2 14	12 23	0 30	12 17	0 37	7 2	17 21	22 30	22 28	19 2	9 36	6 23
W11	7 2	23 36	3 40	4 9	0 23	7 11	1 4	17 48	0 27	7 56	1 0	9 18	2 14	12 22	0 30	12 16	0 37	7 2	17 21	22 31	22 29	19 4	9 34	6 23
T 12	7 25	25 0	2 53	3 32	0 3	7 40	1 2	18 0	0 28	7 51	1 0	9 20	2 14	12 21	0 30	12 16	0 37	7 3	17 21	22 32	22 29	19 6	9 32	6 24
F 13	7 47	25 16	1 58	3 0	0n16	8 10	1 1	18 13	0 29	7 47	1 0	9 23	2 14	12 21	0 30	12 15	0 37	7 3	17 21	22 32	22 29	19 8	9 30	6 24
S 14	8 10	24 20	0 57	2 33	0 34	8 39	0 59	18 25	0 29	7 43	1 0	9 25	2 14	12 20	0 30	12 15	0 38	7 4	17 21	22 33	22 30	19 10	9 28	6 25
S 15	8 32	22 13	0n 8	2 11	0 50	9 8	0 57	18 36	0 30	7 38	1 1	9 28	2 14	12 19	0 30	12 14	0 38	7 4	17 21	22 33	22 30	19 11	9 26	6 26
M16	8 55	18 57	1 15	1 55	1 5	9 37	0 55	18 48	0 30	7 34	1 1	9 30	2 14	12 18	0 30	12 14	0 38	7 4	17 21	22 33	22 30	19 13	9 24	6 26
T 17	9 17	14 40	2 19	1 46	1 18	10 5	0 54	19 0	0 31	7 30	1 1	9 33	2 14	12 17	0 30	12 13	0 38	7 5	17 21	22 33	22 31	19 15	9 22	6 27
W18	9 39	9 30	3 18	1 42	1 30	10 34	0 52	19 11	0 31	7 26	1 1	9 35	2 14	12 17	0 30	12 13	0 38	7 5	17 21	22 33	22 31	19 17	9 20	6 27
T 19	10 1	3 42	4 8	1 43	1 40	11 2	0 50	19 23	0 32	7 22	1 1	9 38	2 14	12 16	0 30	12 12	0 38	7 6	17 21	22 34	22 32	19 19	9 18	6 28
F 20	10 22	2n30	4 43	1 50	1 48	11 30	0 48	19 34	0 33	7 18	1 1	9 40	2 14	12 15	0 30	12 12	0 38	7 6	17 21	22 35	22 32	19 21	9 16	6 28
S 21	10 44	8 43	5 0	2 2	1 55	11 57	0 46	19 45	0 33	7 13	1 1	9 43	2 14	12 14	0 30	12 11	0 38	7 6	17 21	22 36	22 32	19 22	9 15	6 29
S 22	11 5	14 31	4 56	2 17	2 0	12 24	0 44	19 55	0 34	7 9	1 2	9 45	2 14	12 13	0 30	12 11	0 38	7 7	17 20	22 37	22 33	19 24	9 13	6 29
M23	11 27	19 27	4 31	2 37	2 4	12 51	0 42	20 6	0 34	7 5	1 2	9 48	2 14	12 12	0 30	12 10	0 38	7 7	17 20	22 38	22 33	19 26	9 11	6 30
T 24	11 48	23 1	3 47	3 0	2 7	13 18	0 40	20 16	0 35	7 1	1 2	9 51	2 14	12 12	0 30	12 10	0 38	7 7	17 20	22 39	22 33	19 28	9 9	6 30
W25	12 9	24 56	2 48	3 26	2 9	13 44	0 38	20 27	0 35	6 57	1 2	9 53	2 14	12 11	0 30	12 10	0 38	7 8	17 20	22 40	22 34	19 30	9 7	6 31
T 26	12 29	25 4	1 39	3 55	2 9	14 10	0 35	20 37	0 36	6 53	1 2	9 56	2 14	12 10	0 30	12 9	0 38	7 8	17 20	22 41	22 34	19 31	9 6	6 32
F 27	12 50	23 33	0 26	4 26	2 9	14 36	0 33	20 47	0 36	6 49	1 2	9 58	2 14	12 9	0 30	12 9	0 38	7 8	17 20	22 41	22 35	19 33	9 4	6 32
S 28	13 10	20 40	0s47	4 59	2 8	15 1	0 31	20 57	0 37	6 45	1 3	10 0	2 14	12 8	0 30	12 8	0 38	7 9	17 20	22 41	22 35	19 35	9 2	6 33
S 29	13 30	16 46	1 54	5 33	2 6	15 26	0 29	21 6	0 38	6 42	1 3	10 3	2 14	12 7	0 30	12 8	0 38	7 9	17 20	22 41	22 35	19 37	9 0	6 33
M30	13 50	12 12	2 54	6 9	2 3	15 51	0 27	21 15	0 38	6 38	1 3	10 5	2 14	12 7	0 30	12 8	0 38	7 9	17 20	22 41	22 36	19 39	8 59	6 34
T 31	14s10	7n13	3s44	6s45	2n 0	16s15	0n24	21s25	0s39	6n34	1n 3	10s 8	2n14	12n 6	0s30	12n 7	0n38	7s10	17s20	22s41	22s36	19s40	8n57	6s35

Julian Day Number = 2305721.5, Delta T = 87.81 sec
Ecliptic obliquity = 23°29'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'06, Lahiri = 18°17'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

NOVEMBER 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 41 55	8♏51'47	14♍32	23♎34	17♏10	3♐36	16♍ 1	2♏13	3°R 3	29♌55	22°R58	14°R34	15♑21	11♏29	18♌54	W 1
T 2	2 45 51	9°52'04	26°41	25° 7	18°25	4°20	16°11	2°20	3♉ 1	29°56	22♈57	14♑26	15°17	11°36	18°57	T 2
F 3	2 49 48	10°52'22	8♎43	26°40	19°40	5° 4	16°21	2°27	2°58	29°57	22°55	14°16	15°14	11°43	19° 0	F 3
S 4	2 53 44	11°52'43	20°39	28°15	20°56	5°49	16°31	2°34	2°56	29°58	22°54	14° 4	15°11	11°49	19° 4	S 4
S 5	2 57 41	12°53'05	2♏32	29°49	22°11	6°33	16°40	2°42	2°53	29°59	22°53	13°51	15° 8	11°56	19° 7	S 5
M 6	3 1 37	13°53'29	14°23	1♏25	23°26	7°17	16°50	2°49	2°51	0♍ 0	22°52	13°39	15° 5	12° 3	19°10	M 6
T 7	3 5 34	14°53'54	26°14	3° 0	24°41	8° 1	16°59	2°56	2°48	0° 1	22°51	13°29	15° 2	12°10	19°13	T 7
W 8	3 9 30	15°54'22	8♐ 6	4°36	25°56	8°46	17° 9	3° 3	2°46	0° 2	22°50	13°20	14°58	12°16	19°15	W 8
T 9	3 13 27	16°54'51	20° 2	6°12	27°12	9°30	17°18	3°10	2°44	0° 3	22°49	13°15	14°55	12°23	19°18	T 9
F 10	3 17 24	17°55'21	2♑ 3	7°48	28°27	10°14	17°27	3°17	2°41	0° 3	22°48	13°12	14°52	12°30	19°21	F 10
S 11	3 21 20	18°55'53	14°12	9°24	29°42	10°59	17°36	3°24	2°39	0° 4	22°47	13°D11	14°49	12°36	19°23	S 11
S 12	3 25 17	19°56'26	26°34	11° 0	0♐57	11°43	17°45	3°31	2°36	0° 5	22°46	13°12	14°46	12°43	19°25	S 12
M13	3 29 13	20°57'00	9♒13	12°36	2°12	12°28	17°54	3°38	2°34	0° 6	22°45	13°13	14°42	12°50	19°28	M13
T 14	3 33 10	21°57'36	22°13	14°12	3°28	13°13	18° 3	3°45	2°32	0° 6	22°44	13°R14	14°39	12°56	19°30	T 14
W15	3 37 6	22°58'12	5♓38	15°48	4°43	13°58	18°12	3°52	2°30	0° 7	22°43	13°13	14°36	13° 3	19°32	W15
T 16	3 41 3	23°58'50	19°31	17°23	5°58	14°42	18°20	3°59	2°27	0° 7	22°42	13°10	14°33	13°10	19°34	T 16
F 17	3 45 0	24°59'29	3♈52	18°59	7°13	15°27	18°28	4° 6	2°25	0° 8	22°41	13° 5	14°30	13°17	19°36	F 17
S 18	3 48 56	26° 0'09	18°38	20°34	8°28	16°12	18°37	4°13	2°23	0° 8	22°40	12°59	14°27	13°23	19°37	S 18
S 19	3 52 53	27° 0'50	3♉43	22° 9	9°43	16°57	18°45	4°20	2°21	0° 9	22°39	12°51	14°23	13°30	19°39	S 19
M20	3 56 49	28° 1'33	19° 0	23°44	10°59	17°42	18°53	4°27	2°18	0° 9	22°38	12°44	14°20	13°37	19°40	M20
T 21	4 0 46	29° 2'17	4♊16	25°19	12°14	18°27	19° 1	4°33	2°16	0°10	22°38	12°38	14°17	13°43	19°42	T 21
W22	4 4 42	0♐ 3'02	19°21	26°54	13°29	19°12	19° 8	4°40	2°14	0°10	22°37	12°34	14°14	13°50	19°43	W22
T 23	4 8 39	1° 3'49	4♋ 6	28°29	14°44	19°57	19°16	4°47	2°12	0°10	22°36	12°32	14°11	13°57	19°44	T 23
F 24	4 12 35	2° 4'37	18°25	0♐ 3	15°59	20°43	19°24	4°54	2°10	0°11	22°35	12°D32	14° 8	14° 4	19°45	F 24
S 25	4 16 32	3° 5'26	2♌17	1°37	17°15	21°28	19°31	5° 0	2° 8	0°11	22°34	12°33	14° 4	14°10	19°46	S 25
S 26	4 20 29	4° 6'17	15°40	3°12	18°30	22°13	19°38	5° 7	2° 6	0°11	22°33	12°35	14° 1	14°17	19°47	S 26
M27	4 24 25	5° 7'09	28°38	4°46	19°45	22°59	19°45	5°14	2° 4	0°11	22°33	12°36	13°58	14°24	19°48	M27
T 28	4 28 22	6° 8'03	11♍14	6°20	21° 0	23°44	19°52	5°20	2° 2	0°12	22°32	12°R36	13°55	14°30	19°48	T 28
W29	4 32 18	7° 8'58	23°33	7°55	22°15	24°30	19°59	5°27	2° 0	0°12	22°31	12°35	13°52	14°37	19°49	W29
T 30	4 36 15	8♐ 9'54	5♎39	9♐29	23♐30	25♐15	20♍ 6	5♏33	1♉58	0♍12	22♈30	12♑32	13♑48	14♏44	19♌49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s29	2n 4	4s23	7s23	1n56	16s39	0n22	21s34	0s39	6n30	1n 3	10s10	2n14	12n 5	0s30	12n 7	0n38	7s10	17s20	22s42	22s36	19s42	8n55	6s35
T 2	14 48	3s 6	4 49	8 1	1 52	17 2	0 20	21 42	0 40	6 26	1 4	10 13	2 14	12 4	0 30	12 7	0 38	7 10	17 20	22 42	22 37	19 44	8 54	6 36
F 3	15 7	8 4	5 1	8 39	1 47	17 25	0 17	21 51	0 40	6 23	1 4	10 15	2 14	12 3	0 30	12 6	0 38	7 10	17 19	22 44	22 37	19 46	8 52	6 36
S 4	15 26	12 43	5 1	9 17	1 42	17 47	0 15	21 59	0 41	6 19	1 4	10 18	2 14	12 2	0 30	12 6	0 38	7 11	17 19	22 45	22 38	19 47	8 51	6 37
S 5	15 44	16 52	4 47	9 56	1 36	18 9	0 12	22 8	0 41	6 15	1 4	10 20	2 14	12 2	0 30	12 6	0 38	7 11	17 19	22 46	22 38	19 49	8 49	6 38
M 6	16 3	20 20	4 21	10 34	1 31	18 31	0 10	22 15	0 42	6 12	1 4	10 22	2 14	12 1	0 30	12 5	0 38	7 11	17 19	22 47	22 38	19 51	8 48	6 38
T 7	16 21	22 58	3 44	11 13	1 25	18 51	0 8	22 23	0 42	6 8	1 5	10 25	2 14	12 0	0 30	12 5	0 38	7 11	17 19	22 48	22 39	19 52	8 46	6 39
W 8	16 38	24 36	2 56	11 51	1 19	19 12	0 5	22 31	0 43	6 5	1 5	10 27	2 14	11 59	0 30	12 5	0 38	7 12	17 19	22 49	22 39	19 54	8 45	6 40
T 9	16 56	25 7	2 1	12 29	1 12	19 32	0 3	22 38	0 43	6 1	1 5	10 30	2 14	11 58	0 30	12 5	0 38	7 12	17 19	22 50	22 39	19 56	8 43	6 40
F 10	17 13	24 28	1 0	13 6	1 6	19 51	0 0	22 45	0 44	5 58	1 5	10 32	2 14	11 57	0 30	12 4	0 38	7 12	17 18	22 50	22 40	19 58	8 42	6 41
S 11	17 29	22 39	0n 5	13 43	0 59	20 10	0s 2	22 52	0 44	5 55	1 5	10 34	2 14	11 57	0 30	12 4	0 38	7 12	17 18	22 50	22 40	19 59	8 41	6 42
S 12	17 46	19 43	1 11	14 20	0 53	20 28	0 5	22 59	0 45	5 51	1 6	10 37	2 14	11 56	0 30	12 4	0 38	7 12	17 18	22 50	22 40	20 1	8 39	6 42
M13	18 2	15 49	2 15	14 56	0 46	20 46	0 7	23 5	0 45	5 48	1 6	10 39	2 14	11 55	0 30	12 4	0 38	7 13	17 18	22 50	22 41	20 3	8 38	6 43
T 14	18 18	11 4	3 14	15 31	0 39	21 3	0 9	23 11	0 45	5 45	1 6	10 41	2 14	11 54	0 30	12 4	0 38	7 13	17 18	22 50	22 41	20 4	8 37	6 43
W15	18 33	5 40	4 5	16 5	0 32	21 19	0 12	23 17	0 46	5 42	1 6	10 44	2 14	11 54	0 30	12 3	0 38	7 13	17 17	22 50	22 41	20 6	8 35	6 44
T 16	18 49	0n10	4 42	16 39	0 25	21 35	0 14	23 23	0 46	5 38	1 6	10 46	2 15	11 53	0 30	12 3	0 38	7 13	17 17	22 50	22 42	20 8	8 34	6 45
F 17	19 3	6 11	5 4	17 12	0 19	21 50	0 17	23 28	0 47	5 35	1 7	10 48	2 15	11 52	0 30	12 3	0 39	7 13	17 17	22 51	22 42	20 9	8 33	6 45
S 18	19 18	12 2	5 6	17 45	0 12	22 5	0 19	23 34	0 47	5 32	1 7	10 50	2 15	11 51	0 30	12 3	0 39	7 13	17 17	22 51	22 42	20 11	8 32	6 46
S 19	19 32	17 18	4 48	18 16	0 5	22 19	0 22	23 39	0 48	5 29	1 7	10 53	2 15	11 51	0 30	12 3	0 39	7 14	17 17	22 52	22 43	20 13	8 31	6 47
M20	19 46	21 30	4 9	18 47	0s 2	22 32	0 24	23 43	0 48	5 26	1 7	10 55	2 15	11 50	0 30	12 3	0 39	7 14	17 16	22 53	22 43	20 14	8 30	6 47
T 21	19 59	24 11	3 12	19 16	0 9	22 45	0 26	23 48	0 49	5 24	1 7	10 57	2 15	11 49	0 30	12 3	0 39	7 14	17 16	22 53	22 43	20 16	8 29	6 48
W22	20 12	25 6	2 2	19 45	0 15	22 57	0 29	23 52	0 49	5 21	1 8	10 59	2 15	11 48	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 18	8 28	6 49
T 23	20 25	24 11	0 46	20 13	0 22	23 8	0 31	23 56	0 49	5 18	1 8	11 1	2 15	11 48	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 19	8 27	6 49
F 24	20 37	21 42	0s32	20 40	0 28	23 19	0 34	24 0	0 50	5 15	1 8	11 4	2 15	11 47	0 30	12 2	0 39	7 14	17 16	22 54	22 44	20 21	8 26	6 50
S 25	20 49	17 59	1 45	21 6	0 35	23 29	0 36	24 3	0 50	5 12	1 8	11 6	2 15	11 46	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 22	8 25	6 51
S 26	21 1	13 28	2 50	21 31	0 41	23 38	0 38	24 6	0 51	5 10	1 9	11 8	2 15	11 46	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 24	8 24	6 51
M27	21 12	8 28	3 45	21 55	0 47	23 46	0 41	24 9	0 51	5 7	1 9	11 10	2 15	11 45	0 30	12 2	0 39	7 14	17 15	22 54	22 45	20 26	8 23	6 52
T 28	21 23	3 16	4 26	22 17	0 53	23 54	0 43	24 12	0 52	5 5	1 9	11 12	2 15	11 44	0 30	12 2	0 39	7 14	17 15	22 54	22 46	20 27	8 22	6 53
W29	21 33	1s56	4 55	22 39	0 59	24 1	0 45	24 15	0 52	5 2	1 9	11 14	2 16	11 44	0 30	12 2	0 39	7 14	17 14	22 54	22 46	20 29	8 21	6 53
T 30	21s43	6s59	5s 9	23s 0	1s 5	24s 7	0s47	24s17	0s52	5n 0	1n10	11s16	2n16	11n43	0s30	12n 2	0n39	7s14	17s14	22s54	22s46	20s30	8n21	6s54

Julian Day Number = 2305752.5, Delta T = 87.70 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'10, Lahiri = 18°17'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1600
geocentric

DECEMBER 1600 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 40 11	9♐10'51	17♎36	11♐ 3	24♐45	26♐ 1	20♍12	5♏40	1°R57	0♍12	22°R29	12°R27	13♑45	14♏50	19♒50	F 1
S 2	4 44 8	10°11'50	29°28	12°37	26° 1	26°46	20°18	5°46	1♉55	0°R12	22♈29	12♑21	13°42	14°57	19°50	S 2
S 3	4 48 4	11°12'50	11♏19	14°12	27°16	27°32	20°25	5°52	1°53	0°12	22°28	12°15	13°39	15° 4	19°R50	S 3
M 4	4 52 1	12°13'51	23°10	15°46	28°31	28°18	20°31	5°59	1°51	0°12	22°27	12° 9	13°36	15°11	19°50	M 4
T 5	4 55 58	13°14'52	5♐ 4	17°20	29°46	29° 4	20°37	6° 5	1°50	0°12	22°27	12° 4	13°33	15°17	19°50	T 5
W 6	4 59 54	14°15'55	17° 2	18°55	1♑ 1	29°49	20°42	6°11	1°48	0°12	22°26	12° 1	13°29	15°24	19°49	W 6
T 7	5 3 51	15°16'59	29° 6	20°29	2°16	0♑35	20°48	6°17	1°46	0°12	22°25	11°58	13°26	15°31	19°49	T 7
F 8	5 7 47	16°18'03	11♑19	22° 4	3°32	1°21	20°53	6°23	1°45	0°11	22°25	11°D58	13°23	15°37	19°48	F 8
S 9	5 11 44	17°19'08	23°40	23°39	4°47	2° 7	20°58	6°29	1°43	0°11	22°24	11°58	13°20	15°44	19°48	S 9
S 10	5 15 40	18°20'13	6♒14	25°13	6° 2	2°53	21° 4	6°35	1°42	0°11	22°24	11°59	13°17	15°51	19°47	S 10
M11	5 19 37	19°21'19	19° 1	26°48	7°17	3°39	21° 8	6°41	1°40	0°11	22°23	12° 1	13°14	15°57	19°46	M11
T 12	5 23 33	20°22'25	2♓ 5	28°23	8°32	4°25	21°13	6°47	1°39	0°10	22°23	12° 3	13°10	16° 4	19°45	T 12
W13	5 27 30	21°23'32	15°28	29°58	9°47	5°12	21°18	6°53	1°37	0°10	22°22	12°R 3	13° 7	16°11	19°44	W13
T 14	5 31 27	22°24'38	29°12	1♑34	11° 2	5°58	21°22	6°59	1°36	0°10	22°21	12° 3	13° 4	16°18	19°43	T 14
F 15	5 35 23	23°25'45	13♈18	3° 9	12°17	6°44	21°26	7° 5	1°35	0° 9	22°21	12° 2	13° 1	16°24	19°42	F 15
S 16	5 39 20	24°26'52	27°43	4°44	13°32	7°30	21°31	7°10	1°34	0° 9	22°21	12° 1	12°58	16°31	19°40	S 16
S 17	5 43 16	25°27'59	12♉26	6°19	14°47	8°17	21°34	7°16	1°32	0° 8	22°20	11°59	12°54	16°38	19°39	S 17
M18	5 47 13	26°29'07	27°20	7°55	16° 2	9° 3	21°38	7°22	1°31	0° 8	22°20	11°56	12°51	16°44	19°37	M18
T 19	5 51 9	27°30'15	12♊19	9°30	17°17	9°49	21°42	7°27	1°30	0° 7	22°19	11°55	12°48	16°51	19°36	T 19
W20	5 55 6	28°31'23	27°12	11° 5	18°32	10°36	21°45	7°32	1°29	0° 7	22°19	11°54	12°45	16°58	19°34	W20
T 21	5 59 2	29°32'31	11♋53	12°40	19°47	11°22	21°48	7°38	1°28	0° 6	22°19	11°D53	12°42	17° 4	19°32	T 21
F 22	6 2 59	0♑33'40	26°14	14°14	21° 2	12° 9	21°51	7°43	1°27	0° 5	22°18	11°54	12°39	17°11	19°30	F 22
S 23	6 6 56	1°34'49	10♌11	15°49	22°17	12°55	21°54	7°48	1°26	0° 5	22°18	11°54	12°35	17°18	19°28	S 23
S 24	6 10 52	2°35'58	23°43	17°22	23°32	13°42	21°57	7°53	1°26	0° 4	22°18	11°55	12°32	17°25	19°26	S 24
M25	6 14 49	3°37'07	6♍49	18°55	24°47	14°28	21°59	7°59	1°25	0° 3	22°17	11°56	12°29	17°31	19°23	M25
T 26	6 18 45	4°38'17	19°32	20°27	26° 2	15°15	22° 2	8° 4	1°24	0° 2	22°17	11°57	12°26	17°38	19°21	T 26
W27	6 22 42	5°39'27	1♎55	21°58	27°17	16° 2	22° 4	8° 8	1°23	0° 2	22°17	11°R57	12°23	17°45	19°18	W27
T 28	6 26 38	6°40'38	14° 3	23°28	28°32	16°49	22° 6	8°13	1°23	0° 1	22°17	11°57	12°20	17°51	19°16	T 28
F 29	6 30 35	7°41'48	26° 1	24°56	29°47	17°35	22° 7	8°18	1°22	29♌59	22°17	11°57	12°16	17°58	19°13	F 29
S 30	6 34 32	8°42'59	7♏52	26°22	1♒ 2	18°22	22° 9	8°23	1°21	29°59	22°16	11°56	12°13	18° 5	19°10	S 30
S 31	6 38 28	9♑44'10	19♏42	27♑46	2♒17	19♑ 9	22♍10	8♏28	1♉21	29♌58	22♈16	11♑56	12♑10	18♏11	19♌ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s53	11s42	5s10	23s19	1s11	24s13	0s50	24s19	0s53	4n58	1n10	11s18	2n16	11n42	0s30	12n 2	0n39	7s14	17s14	22s54	22s47	20s32	8n20	6s55
S 2	22 2	15 57	4 58	23 37	1 16	24 18	0 52	24 20	0 53	4 55	1 10	11 20	2 16	11 42	0 30	12 2	0 39	7 14	17 13	22 55	22 47	20 34	8 19	6 55
S 3	22 10	19 34	4 33	23 54	1 21	24 22	0 54	24 22	0 53	4 53	1 10	11 22	2 16	11 41	0 30	12 2	0 39	7 14	17 13	22 56	22 47	20 35	8 19	6 56
M 4	22 19	22 24	3 56	24 10	1 26	24 25	0 56	24 23	0 54	4 51	1 11	11 24	2 16	11 41	0 30	12 2	0 39	7 14	17 13	22 56	22 48	20 37	8 18	6 57
T 5	22 26	24 17	3 9	24 24	1 31	24 28	0 58	24 24	0 54	4 49	1 11	11 26	2 16	11 40	0 30	12 2	0 39	7 14	17 13	22 57	22 48	20 38	8 18	6 57
W 6	22 34	25 3	2 13	24 37	1 36	24 29	1 0	24 24	0 55	4 47	1 11	11 28	2 16	11 40	0 30	12 2	0 39	7 14	17 12	22 57	22 48	20 40	8 17	6 58
T 7	22 41	24 39	1 10	24 49	1 41	24 30	1 2	24 24	0 55	4 45	1 11	11 30	2 16	11 39	0 30	12 2	0 39	7 14	17 12	22 57	22 49	20 41	8 17	6 59
F 8	22 47	23 4	0 4	25 0	1 45	24 31	1 4	24 24	0 55	4 43	1 12	11 32	2 17	11 39	0 30	12 2	0 39	7 14	17 12	22 57	22 49	20 43	8 16	6 59
S 9	22 53	20 22	1n 4	25 9	1 49	24 30	1 6	24 24	0 56	4 41	1 12	11 34	2 17	11 38	0 30	12 3	0 39	7 14	17 11	22 57	22 49	20 45	8 16	7 0
S 10	22 59	16 40	2 10	25 17	1 52	24 29	1 8	24 24	0 56	4 39	1 12	11 36	2 17	11 38	0 30	12 3	0 39	7 14	17 11	22 57	22 50	20 46	8 15	7 0
M11	23 4	12 8	3 10	25 23	1 56	24 27	1 10	24 23	0 56	4 38	1 12	11 37	2 17	11 37	0 30	12 3	0 39	7 14	17 11	22 57	22 50	20 48	8 15	7 1
T 12	23 8	6 59	4 2	25 28	1 59	24 24	1 12	24 22	0 57	4 36	1 13	11 39	2 17	11 37	0 30	12 3	0 39	7 14	17 10	22 57	22 50	20 49	8 15	7 2
W13	23 13	1 24	4 43	25 31	2 2	24 21	1 13	24 20	0 57	4 34	1 13	11 41	2 17	11 36	0 30	12 3	0 39	7 14	17 10	22 57	22 51	20 51	8 14	7 2
T 14	23 16	4n23	5 8	25 33	2 4	24 17	1 15	24 19	0 57	4 33	1 13	11 43	2 17	11 36	0 29	12 3	0 39	7 13	17 10	22 57	22 51	20 52	8 14	7 3
F 15	23 20	10 6	5 16	25 34	2 7	24 12	1 17	24 17	0 58	4 32	1 13	11 44	2 17	11 35	0 29	12 3	0 39	7 13	17 9	22 57	22 51	20 54	8 14	7 3
S 16	23 22	15 25	5 4	25 33	2 8	24 6	1 18	24 14	0 58	4 30	1 14	11 46	2 18	11 35	0 29	12 4	0 39	7 13	17 9	22 57	22 52	20 55	8 14	7 4
S 17	23 25	19 55	4 32	25 30	2 10	23 59	1 20	24 12	0 58	4 29	1 14	11 48	2 18	11 35	0 29	12 4	0 40	7 13	17 9	22 57	22 52	20 57	8 14	7 5
M18	23 27	23 13	3 42	25 26	2 11	23 52	1 21	24 9	0 58	4 28	1 14	11 49	2 18	11 34	0 29	12 4	0 40	7 13	17 8	22 57	22 52	20 58	8 14	7 5
T 19	23 28	24 54	2 37	25 20	2 11	23 44	1 23	24 6	0 59	4 27	1 15	11 51	2 18	11 34	0 29	12 4	0 40	7 13	17 8	22 57	22 52	21 0	8 14	7 6
W20	23 29	24 48	1 20	25 13	2 12	23 36	1 24	24 3	0 59	4 25	1 15	11 53	2 18	11 34	0 29	12 5	0 40	7 13	17 8	22 57	22 53	21 1	8 14	7 6
T 21	23 29	22 58	0 0	25 4	2 11	23 26	1 25	23 59	0 59	4 24	1 15	11 54	2 18	11 33	0 29	12 5	0 40	7 12	17 7	22 58	22 53	21 3	8 14	7 7
F 22	23 29	19 40	1s19	24 53	2 10	23 16	1 27	23 55	1 0	4 23	1 15	11 56	2 19	11 33	0 29	12 5	0 40	7 12	17 7	22 57	22 53	21 4	8 14	7 7
S 23	23 29	15 19	2 31	24 41	2 9	23 5	1 28	23 51	1 0	4 23	1 16	11 57	2 19	11 33	0 29	12 5	0 40	7 12	17 7	22 57	22 54	21 5	8 14	7 8
S 24	23 28	10 19	3 32	24 28	2 7	22 54	1 29	23 47	1 0	4 22	1 16	11 59	2 19	11 32	0 29	12 6	0 40	7 12	17 6	22 57	22 54	21 7	8 14	7 8
M25	23 27	5 0	4 20	24 12	2 4	22 42	1 30	23 42	1 0	4 21	1 16	12 0	2 19	11 32	0 29	12 6	0 40	7 11	17 6	22 57	22 54	21 8	8 14	7 9
T 26	23 25	0s21	4 53	23 56	2 1	22 29	1 31	23 37	1 1	4 20	1 17	12 2	2 19	11 32	0 29	12 6	0 40	7 11	17 6	22 57	22 55	21 10	8 15	7 9
W27	23 22	5 32	5 13	23 37	1 57	22 15	1 32	23 32	1 1	4 20	1 17	12 3	2 19	11 32	0 29	12 6	0 40	7 11	17 5	22 57	22 55	21 11	8 15	7 10
T 28	23 19	10 25	5 17	23 18	1 53	22 1	1 33	23 26	1 1	4 19	1 17	12 5	2 20	11 31	0 29	12 7	0 40	7 11	17 5	22 57	22 55	21 13	8 15	7 10
F 29	23 16	14 50	5 8	22 57	1 47	21 46	1 34	23 21	1 1	4 19	1 17	12 6	2 20	11 31	0 29	12 7	0 40	7 10	17 5	22 57	22 55	21 14	8 16	7 11
S 30	23 12	18 40	4 46	22 35	1 41	21 31	1 35	23 15	1 1	4 19	1 18	12 7	2 20	11 31	0 29	12 7	0 40	7 10	17 4	22 57	22 56	21 15	8 16	7 11
S 31	23s 8	21s44	4s11	22s11	1s34	21s15	1s35	23s 8	1s 2	4n18	1n18	12s 9	2n20	11n31	0s29	12n 8	0n40	7s10	17s 4	22s57	22s56	21s17	8n16	7s12

Julian Day Number = 2305782.5, Delta T = 87.60 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'14, Lahiri = 18°17'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

JANUARY 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 42 25	10♑45'22	1♐34	29♑ 7	3♒31	19♑56	22♍11	8♏32	1°R20	29°R57	22°R16	11°R56	12♑ 7	18♏18	19°R 5	M 1
T 2	6 46 21	11°46'33	13°32	0♒25	4°46	20°43	22°12	8°37	1♉20	29♎56	22♈16	11°D56	12° 4	18°25	19♌ 1	T 2
W 3	6 50 18	12°47'44	25°38	1°39	6° 1	21°30	22°13	8°41	1°20	29°55	22°16	11♑56	12° 0	18°32	18°58	W 3
T 4	6 54 14	13°48'55	7♑55	2°48	7°16	22°16	22°14	8°45	1°19	29°54	22°16	11°R56	11°57	18°38	18°55	T 4
F 5	6 58 11	14°50'06	20°23	3°52	8°31	23° 3	22°14	8°50	1°19	29°53	22°16	11°56	11°54	18°45	18°52	F 5
S 6	7 2 7	15°51'16	3♒ 4	4°50	9°45	23°50	22°14	8°54	1°19	29°52	22°D16	11°56	11°51	18°52	18°48	S 6
S 7	7 6 4	16°52'26	15°58	5°40	11° 0	24°37	22°R14	8°58	1°19	29°51	22°16	11°55	11°48	18°58	18°45	S 7
M 8	7 10 1	17°53'35	29° 5	6°24	12°15	25°24	22°14	9° 2	1°19	29°50	22°16	11°54	11°45	19° 5	18°41	M 8
T 9	7 13 57	18°54'44	12♓26	6°58	13°30	26°12	22°14	9° 6	1°D19	29°49	22°16	11°54	11°41	19°12	18°38	T 9
W10	7 17 54	19°55'52	26° 0	7°23	14°44	26°59	22°13	9°10	1°19	29°47	22°16	11°53	11°38	19°18	18°34	W10
T 11	7 21 50	20°56'59	9♈47	7°37	15°59	27°46	22°12	9°13	1°19	29°46	22°16	11°52	11°35	19°25	18°30	T 11
F 12	7 25 47	21°58'05	23°46	7°R40	17°14	28°33	22°11	9°17	1°19	29°45	22°16	11°D52	11°32	19°32	18°27	F 12
S 13	7 29 43	22°59'11	7♉57	7°32	18°28	29°20	22°10	9°21	1°19	29°44	22°16	11°52	11°29	19°39	18°23	S 13
S 14	7 33 40	24° 0'15	22°17	7°12	19°43	0♒ 7	22° 9	9°24	1°19	29°43	22°17	11°53	11°26	19°45	18°19	S 14
M15	7 37 36	25° 1'19	6♊44	6°41	20°57	0°54	22° 7	9°28	1°20	29°41	22°17	11°54	11°22	19°52	18°15	M15
T 16	7 41 33	26° 2'22	21°13	5°58	22°12	1°42	22° 6	9°31	1°20	29°40	22°17	11°55	11°19	19°59	18°11	T 16
W17	7 45 30	27° 3'23	5♋39	5° 6	23°26	2°29	22° 4	9°34	1°20	29°39	22°17	11°R56	11°16	20° 5	18° 7	W17
T 18	7 49 26	28° 4'24	19°59	4° 5	24°41	3°16	22° 2	9°37	1°21	29°37	22°18	11°56	11°13	20°12	18° 2	T 18
F 19	7 53 23	29° 5'24	4♌ 5	2°57	25°55	4° 3	21°59	9°40	1°21	29°36	22°18	11°55	11°10	20°19	17°58	F 19
S 20	7 57 19	0♒ 6'23	17°55	1°44	27° 9	4°51	21°57	9°43	1°22	29°34	22°18	11°53	11° 6	20°25	17°54	S 20
S 21	8 1 16	1° 7'22	1♍25	0°29	28°24	5°38	21°54	9°46	1°22	29°33	22°18	11°50	11° 3	20°32	17°50	S 21
M22	8 5 12	2° 8'19	14°33	29♑13	29°38	6°25	21°51	9°49	1°23	29°32	22°19	11°47	11° 0	20°39	17°45	M22
T 23	8 9 9	3° 9'16	27°19	27°59	0♓52	7°13	21°48	9°51	1°24	29°30	22°19	11°44	10°57	20°45	17°41	T 23
W24	8 13 5	4°10'12	9♎47	26°49	2° 6	8° 0	21°45	9°54	1°25	29°29	22°20	11°41	10°54	20°52	17°36	W24
T 25	8 17 2	5°11'07	21°58	25°44	3°21	8°47	21°42	9°56	1°25	29°27	22°20	11°39	10°51	20°59	17°32	T 25
F 26	8 20 59	6°12'02	3♏58	24°46	4°35	9°35	21°38	9°59	1°26	29°26	22°20	11°D39	10°47	21° 6	17°27	F 26
S 27	8 24 55	7°12'55	15°50	23°56	5°49	10°22	21°34	10° 1	1°27	29°24	22°21	11°39	10°44	21°12	17°23	S 27
S 28	8 28 52	8°13'48	27°41	23°14	7° 3	11° 9	21°31	10° 3	1°28	29°23	22°21	11°40	10°41	21°19	17°18	S 28
M29	8 32 48	9°14'40	9♐33	22°40	8°17	11°57	21°26	10° 5	1°29	29°21	22°22	11°42	10°38	21°26	17°14	M29
T 30	8 36 45	10°15'31	21°34	22°15	9°31	12°44	21°22	10° 7	1°30	29°20	22°22	11°44	10°35	21°32	17° 9	T 30
W31	8 40 41	11♒16'21	3♑45	21♑59	10♓45	13♒32	21♍18	10♏ 9	1♉31	29♎18	22♈23	11♑45	10♑32	21♏39	17♌ 4	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 3	23s53	3s26	21s47	1s26	20s58	1s36	23s 2	1s 2	4n18	1n18	12s10	2n20	11n31	0s29	12n 8	0n40	7s10	17s 4	22s57	22s56	21s18	8n17	7s12
T 2	22 58	24 59	2 31	21 21	1 17	20 41	1 37	22 55	1 2	4 18	1 19	12 11	2 20	11 31	0 29	12 9	0 40	7 9	17 3	22 57	22 57	21 20	8 17	7 13
W 3	22 52	24 54	1 29	20 56	1 7	20 23	1 37	22 48	1 2	4 18	1 19	12 12	2 21	11 31	0 29	12 9	0 40	7 9	17 3	22 57	22 57	21 21	8 18	7 13
T 4	22 46	23 38	0 22	20 29	0 56	20 4	1 38	22 40	1 2	4 18	1 19	12 14	2 21	11 31	0 29	12 9	0 40	7 9	17 2	22 57	22 57	21 22	8 18	7 14
F 5	22 40	21 10	0n47	20 3	0 44	19 45	1 38	22 33	1 3	4 18	1 19	12 15	2 21	11 31	0 29	12 10	0 40	7 8	17 2	22 57	22 57	21 24	8 19	7 14
S 6	22 33	17 39	1 55	19 36	0 31	19 25	1 38	22 25	1 3	4 18	1 20	12 16	2 21	11 30	0 29	12 10	0 40	7 8	17 2	22 57	22 58	21 25	8 20	7 14
S 7	22 25	13 15	2 58	19 10	0 17	19 5	1 38	22 17	1 3	4 19	1 20	12 17	2 21	11 30	0 29	12 11	0 40	7 8	17 1	22 57	22 58	21 27	8 20	7 15
M 8	22 18	8 11	3 53	18 45	0 2	18 44	1 39	22 8	1 3	4 19	1 20	12 18	2 22	11 30	0 29	12 11	0 40	7 7	17 1	22 57	22 58	21 28	8 21	7 15
T 9	22 9	2 39	4 36	18 21	0n14	18 23	1 39	22 0	1 3	4 19	1 21	12 19	2 22	11 30	0 29	12 11	0 40	7 7	17 1	22 57	22 59	21 29	8 22	7 15
W10	22 0	3n 4	5 5	17 58	0 31	18 1	1 39	21 51	1 3	4 20	1 21	12 20	2 22	11 31	0 29	12 12	0 40	7 7	17 0	22 58	22 59	21 31	8 23	7 16
T 11	21 51	8 44	5 17	17 38	0 48	17 39	1 39	21 42	1 4	4 20	1 21	12 21	2 22	11 31	0 29	12 12	0 40	7 6	17 0	22 58	22 59	21 32	8 23	7 16
F 12	21 42	14 3	5 10	17 19	1 6	17 16	1 38	21 32	1 4	4 21	1 21	12 22	2 22	11 31	0 29	12 13	0 40	7 6	17 0	22 58	22 59	21 33	8 24	7 16
S 13	21 32	18 41	4 45	17 4	1 25	16 53	1 38	21 22	1 4	4 22	1 22	12 23	2 23	11 31	0 29	12 13	0 40	7 5	16 59	22 58	23 0	21 35	8 25	7 17
S 14	21 21	22 16	4 2	16 51	1 43	16 29	1 38	21 13	1 4	4 23	1 22	12 24	2 23	11 31	0 29	12 14	0 40	7 5	16 59	22 58	23 0	21 36	8 26	7 17
M15	21 10	24 29	3 3	16 41	2 2	16 5	1 37	21 2	1 4	4 23	1 22	12 25	2 23	11 31	0 29	12 14	0 40	7 5	16 58	22 57	23 0	21 37	8 27	7 17
T 16	20 59	25 4	1 52	16 34	2 19	15 40	1 37	20 52	1 4	4 24	1 22	12 26	2 23	11 31	0 28	12 15	0 40	7 4	16 58	22 57	23 0	21 39	8 28	7 18
W17	20 48	23 57	0 35	16 31	2 36	15 15	1 36	20 42	1 4	4 25	1 23	12 26	2 24	11 31	0 28	12 15	0 40	7 4	16 58	22 57	23 1	21 40	8 29	7 18
T 18	20 36	21 16	0s44	16 30	2 51	14 50	1 36	20 31	1 4	4 26	1 23	12 27	2 24	11 31	0 28	12 16	0 40	7 3	16 57	22 57	23 1	21 41	8 30	7 18
F 19	20 23	17 20	1 59	16 33	3 4	14 24	1 35	20 20	1 4	4 28	1 23	12 28	2 24	11 32	0 28	12 16	0 40	7 3	16 57	22 57	23 1	21 43	8 31	7 18
S 20	20 10	12 33	3 6	16 38	3 16	13 58	1 34	20 8	1 5	4 29	1 24	12 29	2 24	11 32	0 28	12 17	0 40	7 2	16 57	22 58	23 2	21 44	8 32	7 18
S 21	19 57	7 15	4 0	16 46	3 25	13 31	1 34	19 57	1 5	4 30	1 24	12 29	2 24	11 32	0 28	12 17	0 40	7 2	16 56	22 58	23 2	21 45	8 33	7 19
M22	19 44	1 47	4 40	16 55	3 31	13 4	1 33	19 45	1 5	4 31	1 24	12 30	2 25	11 32	0 28	12 18	0 40	7 2	16 56	22 58	23 2	21 46	8 35	7 19
T 23	19 30	3s36	5 5	17 6	3 35	12 37	1 32	19 33	1 5	4 33	1 24	12 31	2 25	11 33	0 28	12 18	0 41	7 1	16 56	22 58	23 2	21 48	8 36	7 19
W24	19 15	8 42	5 15	17 18	3 37	12 9	1 31	19 21	1 5	4 34	1 25	12 31	2 25	11 33	0 28	12 19	0 41	7 1	16 55	22 59	23 3	21 49	8 37	7 19
T 25	19 1	13 22	5 10	17 30	3 36	11 42	1 30	19 9	1 5	4 36	1 25	12 32	2 25	11 33	0 28	12 19	0 41	7 0	16 55	22 59	23 3	21 50	8 38	7 19
F 26	18 46	17 26	4 51	17 43	3 33	11 13	1 28	18 56	1 5	4 38	1 25	12 32	2 26	11 34	0 28	12 20	0 41	7 0	16 54	22 59	23 3	21 51	8 39	7 19
S 27	18 31	20 46	4 21	17 57	3 28	10 45	1 27	18 43	1 5	4 39	1 25	12 33	2 26	11 34	0 28	12 20	0 41	6 59	16 54	22 59	23 3	21 53	8 41	7 19
S 28	18 15	23 14	3 39	18 10	3 22	10 16	1 26	18 30	1 5	4 41	1 26	12 33	2 26	11 34	0 28	12 21	0 41	6 59	16 54	22 59	23 4	21 54	8 42	7 19
M29	17 59	24 42	2 48	18 23	3 14	9 47	1 24	18 17	1 5	4 43	1 26	12 34	2 26	11 35	0 28	12 22	0 41	6 58	16 53	22 59	23 4	21 55	8 43	7 19
T 30	17 43	25 2	1 49	18 36	3 5	9 18	1 23	18 4	1 5	4 45	1 26	12 34	2 26	11 35	0 28	12 22	0 41	6 58	16 53	22 58	23 4	21 56	8 45	7 19
W31	17s26	24s10	0s44	18s49	2n55	8s48	1s21	17s50	1s 5	4n47	1n26	12s34	2n27	11n35	0s28	12n23	0n41	6s57	16s53	22s58	23s 4	21s58	8n46	7s19

Julian Day Number = 2305813.5, Delta T = 87.48 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'18, Lahiri = 18°17'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

FEBRUARY 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 44 38	12♒17'11	16♉11	21°R50	11♓59	14♒19	21°R13	10♏11	1♉32	29°R16	22♈24	11°R45	10♉28	21♏46	17°R 0	T 1
F 2	8 48 34	13°17'58	28°54	21°D49	13°13	15° 6	21♍ 8	10°13	1°34	29♌15	22°24	11♉44	10°25	21°52	16♌55	F 2
S 3	8 52 31	14°18'45	11♒55	21♉55	14°27	15°54	21° 3	10°14	1°35	29°13	22°25	11°41	10°22	21°59	16°50	S 3
S 4	8 56 28	15°19'30	25°14	22° 8	15°40	16°41	20°58	10°16	1°36	29°12	22°25	11°36	10°19	22° 6	16°46	S 4
M 5	9 0 24	16°20'14	8♓48	22°28	16°54	17°29	20°53	10°17	1°38	29°10	22°26	11°31	10°16	22°12	16°41	M 5
T 6	9 4 21	17°20'56	22°36	22°53	18° 8	18°16	20°48	10°18	1°39	29° 8	22°27	11°25	10°12	22°19	16°36	T 6
W 7	9 8 17	18°21'37	6♈33	23°23	19°21	19° 4	20°42	10°19	1°40	29° 7	22°27	11°19	10° 9	22°26	16°31	W 7
T 8	9 12 14	19°22'16	20°37	23°58	20°35	19°51	20°37	10°20	1°42	29° 5	22°28	11°15	10° 6	22°32	16°27	T 8
F 9	9 16 10	20°22'54	4♉45	24°38	21°49	20°38	20°31	10°21	1°44	29° 3	22°29	11°12	10° 3	22°39	16°22	F 9
S 10	9 20 7	21°23'29	18°54	25°22	23° 2	21°26	20°25	10°22	1°45	29° 2	22°30	11°D11	10° 0	22°46	16°17	S 10
S 11	9 24 3	22°24'03	3♊ 3	26°10	24°15	22°13	20°19	10°23	1°47	29° 0	22°30	11°11	9°57	22°53	16°13	S 11
M12	9 28 0	23°24'35	17° 9	27° 1	25°29	23° 1	20°13	10°24	1°48	28°58	22°31	11°12	9°53	22°59	16° 8	M12
T 13	9 31 57	24°25'05	1♋12	27°56	26°42	23°48	20° 6	10°24	1°50	28°57	22°32	11°14	9°50	23° 6	16° 3	T 13
W14	9 35 53	25°25'34	15°10	28°53	27°55	24°36	20° 0	10°25	1°52	28°55	22°33	11°R14	9°47	23°13	15°59	W14
T 15	9 39 50	26°26'00	29° 1	29°53	29° 8	25°23	19°53	10°25	1°54	28°53	22°34	11°12	9°44	23°19	15°54	T 15
F 16	9 43 46	27°26'25	12♌42	0♒56	0♈21	26°10	19°47	10°25	1°56	28°52	22°34	11° 9	9°41	23°26	15°50	F 16
S 17	9 47 43	28°26'48	26°11	2° 2	1°35	26°58	19°40	10°25	1°58	28°50	22°35	11° 3	9°38	23°33	15°45	S 17
S 18	9 51 39	29°27'09	9♍27	3° 9	2°47	27°45	19°33	10°R25	2° 0	28°48	22°36	10°55	9°34	23°39	15°41	S 18
M19	9 55 36	0♓27'28	22°26	4°19	4° 0	28°33	19°26	10°25	2° 2	28°47	22°37	10°46	9°31	23°46	15°36	M19
T 20	9 59 32	1°27'46	5♎ 8	5°30	5°13	29°20	19°19	10°25	2° 4	28°45	22°38	10°37	9°28	23°53	15°32	T 20
W21	10 3 29	2°28'02	17°34	6°43	6°26	0♓ 7	19°12	10°25	2° 6	28°43	22°39	10°28	9°25	23°59	15°27	W21
T 22	10 7 26	3°28'17	29°45	7°59	7°39	0°55	19° 5	10°24	2° 8	28°42	22°40	10°21	9°22	24° 6	15°23	T 22
F 23	10 11 22	4°28'30	11♏45	9°15	8°51	1°42	18°57	10°24	2°10	28°40	22°41	10°15	9°18	24°13	15°19	F 23
S 24	10 15 19	5°28'42	23°38	10°34	10° 4	2°29	18°50	10°23	2°12	28°38	22°42	10°13	9°15	24°19	15°14	S 24
S 25	10 19 15	6°28'52	5♐28	11°54	11°16	3°17	18°43	10°23	2°14	28°37	22°43	10°D12	9°12	24°26	15°10	S 25
M26	10 23 12	7°29'01	17°20	13°15	12°29	4° 4	18°35	10°22	2°17	28°35	22°44	10°12	9° 9	24°33	15° 6	M26
T 27	10 27 8	8°29'08	29°20	14°38	13°41	4°51	18°27	10°21	2°19	28°33	22°45	10°13	9° 6	24°40	15° 2	T 27
W28	10 31 5	9♓29'13	11♉33	16♒ 2	14♈53	5♓39	18♍20	10♏20	2♉21	28♌32	22♈46	10°R13	9♉ 3	24♏46	14♌58	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 9	22s 6	0n24	19s 0	2n45	8s18	1s20	17s36	1s 5	4n49	1n27	12s35	2n27	11n36	0s28	12n23	0n41	6s57	16s52	22s58	23s 5	21s59	8n47	7s19
F 2	16 52	18 55	1 33	19 11	2 34	7 48	1 18	17 22	1 5	4 51	1 27	12 35	2 27	11 36	0 28	12 24	0 41	6 56	16 52	22 58	23 5	22 0	8 49	7 19
S 3	16 34	14 44	2 37	19 22	2 22	7 18	1 16	17 8	1 5	4 53	1 27	12 35	2 27	11 37	0 28	12 24	0 41	6 56	16 52	22 59	23 5	22 1	8 50	7 19
S 4	16 17	9 46	3 35	19 31	2 11	6 48	1 14	16 54	1 5	4 55	1 27	12 35	2 28	11 37	0 28	12 25	0 41	6 55	16 51	22 59	23 5	22 2	8 52	7 19
M 5	15 58	4 14	4 22	19 40	1 59	6 17	1 12	16 39	1 5	4 58	1 28	12 36	2 28	11 38	0 28	12 26	0 41	6 54	16 51	22 59	23 6	22 4	8 53	7 19
T 6	15 40	1n34	4 54	19 47	1 47	5 47	1 10	16 25	1 5	5 0	1 28	12 36	2 28	11 38	0 28	12 26	0 41	6 54	16 51	23 0	23 6	22 5	8 54	7 19
W 7	15 22	7 20	5 10	19 54	1 35	5 16	1 8	16 10	1 5	5 2	1 28	12 36	2 28	11 39	0 28	12 27	0 41	6 53	16 50	23 0	23 6	22 6	8 56	7 19
T 8	15 3	12 48	5 7	19 59	1 23	4 45	1 6	15 55	1 5	5 5	1 28	12 36	2 29	11 39	0 28	12 27	0 41	6 53	16 50	23 1	23 6	22 7	8 57	7 19
F 9	14 44	17 36	4 45	20 4	1 12	4 14	1 4	15 40	1 5	5 7	1 28	12 36	2 29	11 40	0 28	12 28	0 41	6 52	16 50	23 1	23 7	22 8	8 59	7 19
S 10	14 24	21 25	4 6	20 7	1 0	3 43	1 2	15 25	1 5	5 10	1 29	12 36	2 29	11 41	0 28	12 28	0 41	6 52	16 49	23 1	23 7	22 9	9 0	7 18
S 11	14 5	23 57	3 12	20 9	0 49	3 12	0 59	15 9	1 5	5 12	1 29	12 36	2 29	11 41	0 28	12 29	0 41	6 51	16 49	23 1	23 7	22 11	9 2	7 18
M12	13 45	24 58	2 7	20 11	0 38	2 40	0 57	14 53	1 4	5 15	1 29	12 36	2 30	11 42	0 28	12 30	0 41	6 51	16 49	23 1	23 7	22 12	9 4	7 18
T 13	13 25	24 23	0 54	20 10	0 27	2 9	0 54	14 38	1 4	5 18	1 29	12 36	2 30	11 42	0 28	12 30	0 41	6 50	16 48	23 1	23 8	22 13	9 5	7 18
W14	13 4	22 17	0s21	20 9	0 17	1 37	0 52	14 22	1 4	5 20	1 29	12 36	2 30	11 43	0 28	12 31	0 41	6 49	16 48	23 1	23 8	22 14	9 7	7 18
T 15	12 44	18 51	1 35	20 6	0 7	1 6	0 49	14 6	1 4	5 23	1 30	12 36	2 30	11 44	0 28	12 31	0 41	6 49	16 48	23 1	23 8	22 15	9 8	7 17
F 16	12 23	14 27	2 42	20 2	0s 3	0 34	0 47	13 49	1 4	5 26	1 30	12 36	2 30	11 44	0 28	12 32	0 41	6 48	16 48	23 1	23 8	22 16	9 10	7 17
S 17	12 2	9 23	3 38	19 57	0 13	0 3	0 44	13 33	1 4	5 29	1 30	12 36	2 31	11 45	0 27	12 33	0 41	6 48	16 47	23 2	23 8	22 17	9 11	7 17
S 18	11 41	4 0	4 22	19 51	0 22	0n29	0 41	13 17	1 4	5 32	1 30	12 35	2 31	11 46	0 27	12 33	0 41	6 47	16 47	23 3	23 9	22 19	9 13	7 16
M19	11 20	1s27	4 51	19 43	0 31	1 0	0 38	13 0	1 4	5 34	1 30	12 35	2 31	11 46	0 27	12 34	0 41	6 46	16 47	23 3	23 9	22 20	9 15	7 16
T 20	10 59	6 42	5 5	19 34	0 39	1 32	0 36	12 43	1 4	5 37	1 30	12 35	2 31	11 47	0 27	12 34	0 41	6 46	16 46	23 4	23 9	22 21	9 16	7 16
W21	10 37	11 35	5 4	19 24	0 48	2 4	0 33	12 27	1 3	5 40	1 31	12 35	2 32	11 48	0 27	12 35	0 41	6 45	16 46	23 5	23 9	22 22	9 18	7 15
T 22	10 15	15 55	4 49	19 12	0 55	2 35	0 30	12 10	1 3	5 43	1 31	12 34	2 32	11 49	0 27	12 36	0 41	6 45	16 46	23 5	23 10	22 23	9 19	7 15
F 23	9 53	19 32	4 22	18 59	1 3	3 7	0 27	11 52	1 3	5 46	1 31	12 34	2 32	11 49	0 27	12 36	0 41	6 44	16 46	23 6	23 10	22 24	9 21	7 15
S 24	9 31	22 19	3 43	18 45	1 10	3 38	0 24	11 35	1 3	5 49	1 31	12 33	2 32	11 50	0 27	12 37	0 41	6 43	16 45	23 6	23 10	22 25	9 23	7 14
S 25	9 9	24 8	2 55	18 30	1 17	4 9	0 21	11 18	1 3	5 52	1 31	12 33	2 33	11 51	0 27	12 37	0 41	6 43	16 45	23 6	23 10	22 26	9 24	7 14
M26	8 47	24 52	2 0	18 13	1 24	4 40	0 17	11 1	1 3	5 55	1 31	12 33	2 33	11 52	0 27	12 38	0 41	6 42	16 45	23 6	23 11	22 27	9 26	7 13
T 27	8 24	24 27	0 58	17 55	1 30	5 12	0 14	10 43	1 2	5 58	1 31	12 32	2 33	11 53	0 27	12 39	0 41	6 42	16 45	23 6	23 11	22 28	9 27	7 13
W28	8s 2	22s52	0n 7	17s35	1s36	5n43	0s11	10s26	1s 2	6n 2	1n31	12s32	2n33	11n54	0s27	12n39	0n41	6s41	16s44	23s 6	23s11	22s29	9n29	7s13

Julian Day Number = 2305844.5, Delta T = 87.37 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'22, Lahiri = 18°17'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

MARCH 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 1	10♓29'17	24♉ 3	17♒28	16♈ 5	6♓26	18°R12	10°R19	2♉24	28°R30	22♈47	10°R12	8♉59	24♏53	14°R54	T 1
F 2	10 38 58	11°29'19	6♒55	18°55	17°17	7°13	18♍ 5	10♏18	2°26	28♌29	22°48	10♉ 9	8°56	25° 0	14♌50	F 2
S 3	10 42 55	12°29'19	20°10	20°23	18°29	8° 0	17°57	10°16	2°29	28°27	22°49	10° 3	8°53	25° 6	14°46	S 3
S 4	10 46 51	13°29'17	3♓48	21°52	19°41	8°48	17°49	10°15	2°31	28°25	22°50	9°55	8°50	25°13	14°42	S 4
M 5	10 50 48	14°29'14	17°48	23°23	20°53	9°35	17°41	10°13	2°34	28°24	22°51	9°45	8°47	25°20	14°38	M 5
T 6	10 54 44	15°29'08	2♈ 3	24°55	22° 5	10°22	17°33	10°12	2°36	28°22	22°53	9°34	8°43	25°26	14°35	T 6
W 7	10 58 41	16°29'01	16°30	26°28	23°17	11° 9	17°26	10°10	2°39	28°20	22°54	9°24	8°40	25°33	14°31	W 7
T 8	11 2 37	17°28'51	1♉ 0	28° 2	24°28	11°56	17°18	10° 8	2°42	28°19	22°55	9°15	8°37	25°40	14°27	T 8
F 9	11 6 34	18°28'39	15°28	29°37	25°40	12°43	17°10	10° 6	2°44	28°17	22°56	9° 9	8°34	25°46	14°24	F 9
S 10	11 10 30	19°28'25	29°49	1♓14	26°51	13°30	17° 2	10° 4	2°47	28°16	22°57	9° 5	8°31	25°53	14°21	S 10
S 11	11 14 27	20°28'09	14♊ 1	2°52	28° 2	14°18	16°54	10° 2	2°50	28°14	22°58	9° 4	8°28	26° 0	14°17	S 11
M12	11 18 24	21°27'50	28° 1	4°31	29°13	15° 5	16°47	10° 0	2°52	28°13	23° 0	9°D 4	8°24	26° 6	14°14	M12
T 13	11 22 20	22°27'29	11♋50	6°12	0♉25	15°52	16°39	9°58	2°55	28°11	23° 1	9°R 4	8°21	26°13	14°11	T 13
W14	11 26 17	23°27'06	25°27	7°53	1°36	16°39	16°31	9°56	2°58	28°10	23° 2	9° 3	8°18	26°20	14° 8	W14
T 15	11 30 13	24°26'40	8♌54	9°36	2°46	17°26	16°24	9°53	3° 1	28° 8	23° 3	9° 0	8°15	26°26	14° 5	T 15
F 16	11 34 10	25°26'12	22°10	11°20	3°57	18°12	16°16	9°51	3° 4	28° 7	23° 5	8°54	8°12	26°33	14° 2	F 16
S 17	11 38 6	26°25'42	5♍16	13° 5	5° 8	18°59	16° 8	9°48	3° 7	28° 5	23° 6	8°45	8° 9	26°40	13°59	S 17
S 18	11 42 3	27°25'10	18°11	14°52	6°18	19°46	16° 1	9°45	3°10	28° 4	23° 7	8°33	8° 5	26°46	13°56	S 18
M19	11 45 59	28°24'35	0♎53	16°40	7°29	20°33	15°53	9°43	3°13	28° 3	23° 8	8°20	8° 2	26°53	13°54	M19
T 20	11 49 56	29°23'59	13°24	18°29	8°39	21°20	15°46	9°40	3°16	28° 1	23°10	8° 7	7°59	27° 0	13°51	T 20
W21	11 53 52	0♈23'20	25°41	20°20	9°49	22° 7	15°38	9°37	3°19	28° 0	23°11	7°54	7°56	27° 6	13°49	W21
T 22	11 57 49	1°22'40	7♏48	22°12	10°59	22°54	15°31	9°34	3°22	27°58	23°12	7°42	7°53	27°13	13°46	T 22
F 23	12 1 46	2°21'58	19°45	24° 5	12° 9	23°40	15°24	9°31	3°25	27°57	23°14	7°34	7°49	27°20	13°44	F 23
S 24	12 5 42	3°21'13	1♐36	26° 0	13°19	24°27	15°17	9°28	3°28	27°56	23°15	7°28	7°46	27°27	13°42	S 24
S 25	12 9 39	4°20'28	13°25	27°56	14°28	25°14	15°10	9°25	3°31	27°55	23°16	7°24	7°43	27°33	13°40	S 25
M26	12 13 35	5°19'40	25°16	29°53	15°38	26° 0	15° 3	9°21	3°34	27°53	23°18	7°23	7°40	27°40	13°38	M26
T 27	12 17 32	6°18'50	7♑14	1♈51	16°47	26°47	14°56	9°18	3°37	27°52	23°19	7°23	7°37	27°47	13°36	T 27
W28	12 21 28	7°17'59	19°25	3°51	17°57	27°33	14°49	9°14	3°40	27°51	23°20	7°23	7°34	27°53	13°35	W28
T 29	12 25 25	8°17'06	1♒55	5°52	19° 6	28°20	14°42	9°11	3°44	27°50	23°22	7°21	7°30	28° 0	13°33	T 29
F 30	12 29 21	9°16'11	14°48	7°54	20°15	29° 7	14°36	9° 7	3°47	27°48	23°23	7°18	7°27	28° 7	13°31	F 30
S 31	12 33 18	10♈15'14	28♒ 7	9♈57	21♉24	29♓53	14♍29	9♏ 4	3♉50	27♌47	23♈24	7♑12	7♑24	28♏13	13♌30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	7s39	20s 9	1n13	17s14	1s41	6n13	0s 8	10s 8	1s 2	6n 5	1n31	12s31	2n33	11n54	0s27	12n40	0n41	6s40	16s44	23s 6	23s11	22s30	9n31	7s12	T 1
F 2	7 16	16 22	2 18	16 52	1 46	6 44	0 4	9 50	1 2	6 8	1 32	12 30	2 34	11 55	0 27	12 40	0 41	6 40	16 44	23 6	23 11	22 31	9 32	7 12	F 2
S 3	6 53	11 41	3 16	16 28	1 51	7 15	0 1	9 32	1 2	6 11	1 32	12 30	2 34	11 56	0 27	12 41	0 41	6 39	16 44	23 7	23 12	22 32	9 34	7 11	S 3
S 4	6 30	6 19	4 5	16 4	1 55	7 45	0n 2	9 14	1 1	6 14	1 32	12 29	2 34	11 57	0 27	12 41	0 41	6 39	16 43	23 7	23 12	22 33	9 35	7 11	S 4
M 5	6 7	0 31	4 41	15 37	1 59	8 16	0 6	8 56	1 1	6 17	1 32	12 28	2 34	11 58	0 27	12 42	0 41	6 38	16 43	23 8	23 12	22 34	9 37	7 10	M 5
T 6	5 44	5n24	5 0	15 10	2 2	8 46	0 9	8 38	1 1	6 20	1 32	12 28	2 34	11 59	0 27	12 43	0 41	6 37	16 43	23 9	23 12	22 35	9 38	7 9	T 6
W 7	5 21	11 7	5 0	14 41	2 5	9 16	0 13	8 20	1 1	6 23	1 32	12 27	2 35	12 0	0 27	12 43	0 41	6 37	16 43	23 9	23 12	22 36	9 40	7 9	W 7
T 8	4 57	16 14	4 41	14 11	2 8	9 45	0 16	8 2	1 0	6 26	1 32	12 26	2 35	12 1	0 27	12 44	0 41	6 36	16 42	23 10	23 13	22 37	9 41	7 8	T 8
F 9	4 34	20 24	4 4	13 40	2 10	10 15	0 20	7 43	1 0	6 29	1 32	12 26	2 35	12 2	0 27	12 44	0 41	6 36	16 42	23 11	23 13	22 38	9 43	7 8	F 9
S 10	4 11	23 17	3 12	13 7	2 12	10 44	0 23	7 25	1 0	6 33	1 32	12 25	2 35	12 3	0 27	12 45	0 41	6 35	16 42	23 11	23 13	22 39	9 45	7 7	S 10
S 11	3 47	24 40	2 9	12 33	2 13	11 13	0 27	7 7	1 0	6 36	1 32	12 24	2 35	12 3	0 27	12 45	0 41	6 34	16 42	23 11	23 13	22 40	9 46	7 7	S 11
M12	3 24	24 27	0 58	11 57	2 14	11 42	0 30	6 48	0 59	6 39	1 32	12 23	2 36	12 4	0 27	12 46	0 41	6 34	16 42	23 11	23 13	22 41	9 48	7 6	M12
T 13	3 0	22 43	0s15	11 21	2 15	12 10	0 34	6 30	0 59	6 42	1 32	12 22	2 36	12 5	0 27	12 46	0 41	6 33	16 41	23 11	23 14	22 42	9 49	7 5	T 13
W14	2 36	19 41	1 26	10 43	2 15	12 39	0 38	6 11	0 59	6 45	1 32	12 21	2 36	12 6	0 27	12 47	0 41	6 33	16 41	23 11	23 14	22 43	9 50	7 5	W14
T 15	2 13	15 39	2 31	10 4	2 14	13 6	0 41	5 53	0 58	6 48	1 32	12 20	2 36	12 7	0 27	12 47	0 41	6 32	16 41	23 11	23 14	22 44	9 52	7 4	T 15
F 16	1 49	10 53	3 27	9 23	2 14	13 34	0 45	5 34	0 58	6 51	1 32	12 19	2 36	12 8	0 27	12 48	0 41	6 31	16 41	23 12	23 14	22 45	9 53	7 3	F 16
S 17	1 25	5 42	4 11	8 42	2 12	14 1	0 49	5 15	0 58	6 54	1 32	12 18	2 37	12 9	0 27	12 48	0 41	6 31	16 41	23 12	23 14	22 46	9 55	7 3	S 17
S 18	1 2	0 22	4 42	7 59	2 10	14 28	0 52	4 56	0 58	6 57	1 32	12 17	2 37	12 10	0 27	12 49	0 41	6 30	16 41	23 13	23 15	22 47	9 56	7 2	S 18
M19	0 38	4s54	4 58	7 14	2 8	14 55	0 56	4 38	0 57	6 59	1 32	12 16	2 37	12 11	0 27	12 49	0 41	6 30	16 40	23 14	23 15	22 48	9 58	7 1	M19
T 20	0 14	9 53	4 59	6 29	2 5	15 21	1 0	4 19	0 57	7 2	1 32	12 15	2 37	12 13	0 27	12 50	0 41	6 29	16 40	23 15	23 15	22 49	9 59	7 1	T 20
W21	0n 9	14 23	4 46	5 42	2 2	15 47	1 3	4 0	0 57	7 5	1 32	12 14	2 37	12 14	0 27	12 50	0 41	6 28	16 40	23 15	23 15	22 50	10 0	7 0	W21
T 22	0 33	18 15	4 20	4 55	1 58	16 13	1 7	3 41	0 56	7 8	1 32	12 13	2 37	12 15	0 27	12 51	0 41	6 28	16 40	23 16	23 15	22 51	10 2	6 59	T 22
F 23	0 57	21 18	3 44	4 6	1 54	16 38	1 11	3 22	0 56	7 11	1 32	12 12	2 38	12 16	0 27	12 51	0 41	6 27	16 40	23 17	23 16	22 52	10 3	6 59	F 23
S 24	1 20	23 25	2 57	3 16	1 49	17 3	1 14	3 4	0 56	7 13	1 32	12 11	2 38	12 17	0 27	12 52	0 41	6 27	16 40	23 17	23 16	22 53	10 4	6 58	S 24
S 25	1 44	24 30	2 3	2 25	1 44	17 27	1 18	2 45	0 55	7 16	1 32	12 10	2 38	12 18	0 27	12 52	0 41	6 26	16 40	23 17	23 16	22 54	10 6	6 57	S 25
M26	2 7	24 28	1 4	1 32	1 38	17 51	1 21	2 26	0 55	7 19	1 32	12 9	2 38	12 19	0 27	12 53	0 41	6 25	16 39	23 17	23 16	22 54	10 7	6 56	M26
T 27	2 31	23 18	0 1	0 39	1 31	18 15	1 25	2 7	0 54	7 21	1 32	12 7	2 38	12 20	0 27	12 53	0 41	6 25	16 39	23 17	23 16	22 55	10 8	6 56	T 27
W28	2 54	21 2	1n 3	0n15	1 24	18 38	1 29	1 48	0 54	7 24	1 32	12 6	2 38	12 21	0 27	12 53	0 41	6 24	16 39	23 17	23 17	22 56	10 9	6 55	W28
T 29	3 18	17 44	2 6	1 10	1 17	19 1	1 32	1 29	0 54	7 26	1 32	12 5	2 38	12 22	0 27	12 54	0 41	6 24	16 39	23 17	23 17	22 57	10 10	6 54	T 29
F 30	3 41	13 30	3 4	2 5	1 9	19 23	1 36	1 10	0 53	7 29	1 31	12 4	2 39	12 23	0 27	12 54	0 41	6 23	16 39	23 17	23 17	22 58	10 12	6 53	F 30
S 31	4n 4	8s29	3n54	3n 1	1s 0	19n45	1n39	0s51	0s53	7n31	1n31	12s 2	2n39	12n24	0s27	12n55	0n41	6s23	16s39	23s18	23s17	22s59	10n13	6s52	S 31

Julian Day Number = 2305872.5, Delta T = 87.27 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'26, Lahiri = 18°17'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

APRIL 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 15	11♈14'15	11♓55	12♈ 1	22♉32	0♈39	14°R23	9°R 0	3♉53	27°R46	23♈26	7°R 3	7♑21	28♏20	13°R29	S 1
M 2	12 41 11	12°13'15	26° 8	14° 5	23°41	1°26	14♍17	8♏56	3°57	27♌45	23°27	6♑53	7°18	28°27	13♌27	M 2
T 3	12 45 8	13°12'12	10♈43	16°10	24°49	2°12	14°11	8°53	4° 0	27°44	23°28	6°41	7°15	28°33	13°26	T 3
W 4	12 49 4	14°11'07	25°33	18°16	25°58	2°59	14° 5	8°49	4° 3	27°43	23°30	6°29	7°11	28°40	13°25	W 4
T 5	12 53 1	15°10'01	10♉28	20°21	27° 6	3°45	13°59	8°45	4° 6	27°42	23°31	6°20	7° 8	28°47	13°24	T 5
F 6	12 56 57	16° 8'52	25°21	22°27	28°14	4°31	13°53	8°41	4°10	27°41	23°32	6°12	7° 5	28°53	13°24	F 6
S 7	13 0 54	17° 7'41	10♊ 3	24°32	29°22	5°17	13°48	8°37	4°13	27°40	23°34	6° 8	7° 2	29° 0	13°23	S 7
S 8	13 4 50	18° 6'28	24°28	26°37	0♊29	6° 4	13°42	8°33	4°16	27°39	23°35	6° 6	6°59	29° 7	13°22	S 8
M 9	13 8 47	19° 5'13	8♋35	28°40	1°37	6°50	13°37	8°29	4°20	27°38	23°37	6°D 6	6°55	29°13	13°22	M 9
T 10	13 12 44	20° 3'55	22°23	0♉42	2°44	7°36	13°32	8°25	4°23	27°37	23°38	6°R 6	6°52	29°20	13°22	T 10
W11	13 16 40	21° 2'35	5♌54	2°43	3°51	8°22	13°27	8°20	4°27	27°36	23°39	6° 5	6°49	29°27	13°21	W11
T 12	13 20 37	22° 1'13	19° 7	4°41	4°58	9° 8	13°22	8°16	4°30	27°35	23°41	6° 2	6°46	29°33	13°21	T 12
F 13	13 24 33	22°59'48	2♍ 7	6°37	6° 4	9°54	13°17	8°12	4°33	27°35	23°42	5°57	6°43	29°40	13°D21	F 13
S 14	13 28 30	23°58'21	14°54	8°30	7°11	10°40	13°13	8° 8	4°37	27°34	23°44	5°49	6°40	29°47	13°21	S 14
S 15	13 32 26	24°56'52	27°29	10°21	8°17	11°26	13° 8	8° 3	4°40	27°33	23°45	5°39	6°36	29°53	13°21	S 15
M16	13 36 23	25°55'21	9♎55	12° 8	9°23	12°11	13° 4	7°59	4°44	27°32	23°46	5°27	6°33	0♐ 0	13°22	M16
T 17	13 40 19	26°53'48	22°11	13°52	10°29	12°57	13° 0	7°55	4°47	27°32	23°48	5°14	6°30	0° 7	13°22	T 17
W18	13 44 16	27°52'13	4♏17	15°32	11°35	13°43	12°56	7°50	4°50	27°31	23°49	5° 2	6°27	0°13	13°23	W18
T 19	13 48 13	28°50'37	16°17	17° 8	12°40	14°29	12°53	7°46	4°54	27°30	23°51	4°52	6°24	0°20	13°23	T 19
F 20	13 52 9	29°48'58	28° 9	18°40	13°45	15°14	12°49	7°41	4°57	27°30	23°52	4°44	6°20	0°27	13°24	F 20
S 21	13 56 6	0♉47'18	9♐58	20° 8	14°50	16° 0	12°46	7°37	5° 1	27°29	23°53	4°38	6°17	0°33	13°25	S 21
S 22	14 0 2	1°45'36	21°46	21°32	15°55	16°45	12°43	7°32	5° 4	27°29	23°55	4°35	6°14	0°40	13°26	S 22
M23	14 3 59	2°43'53	3♑37	22°51	16°59	17°31	12°40	7°28	5° 8	27°28	23°56	4°D34	6°11	0°47	13°27	M23
T 24	14 7 55	3°42'08	15°35	24° 6	18° 3	18°16	12°37	7°23	5°11	27°28	23°57	4°35	6° 8	0°53	13°28	T 24
W25	14 11 52	4°40'22	27°45	25°16	19° 7	19° 2	12°34	7°19	5°15	27°27	23°59	4°35	6° 5	1° 0	13°29	W25
T 26	14 15 48	5°38'33	10♒13	26°21	20°11	19°47	12°32	7°14	5°18	27°27	24° 0	4°R35	6° 1	1° 7	13°31	T 26
F 27	14 19 45	6°36'44	23° 3	27°22	21°14	20°32	12°29	7°10	5°22	27°26	24° 2	4°34	5°58	1°13	13°32	F 27
S 28	14 23 42	7°34'53	6♓19	28°18	22°18	21°18	12°27	7° 5	5°25	27°26	24° 3	4°31	5°55	1°20	13°34	S 28
S 29	14 27 38	8°33'00	20° 5	29° 8	23°20	22° 3	12°25	7° 1	5°29	27°26	24° 4	4°25	5°52	1°27	13°36	S 29
M30	14 31 35	9♉31'06	4♈19	29♉54	24♊23	22♈48	12♍24	6♏56	5♉32	27♌25	24♈ 6	4♑18	5♑49	1♐33	13♌38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n27	2s55	4n33	3n58	0s51	20n 6	1n43	0s32	0s53	7n34	1n31	12s 1	2n39	12n26	0s27	12n55	0n41	6s22	16s39	23s18	23s17	23s 0	10n14	6s52
M 2	4 50	2n59	4 55	4 55	0 42	20 27	1 46	0 14	0 52	7 36	1 31	12 0	2 39	12 27	0 27	12 55	0 41	6 21	16 39	23 19	23 17	23 0	10 15	6 51
T 3	5 13	8 51	5 0	5 53	0 32	20 47	1 50	0n 5	0 52	7 38	1 31	11 59	2 39	12 28	0 26	12 56	0 41	6 21	16 39	23 19	23 18	23 1	10 16	6 50
W 4	5 36	14 18	4 44	6 50	0 22	21 7	1 53	0 24	0 51	7 41	1 31	11 57	2 39	12 29	0 26	12 56	0 41	6 20	16 39	23 20	23 18	23 2	10 17	6 49
T 5	5 59	18 56	4 9	7 47	0 12	21 26	1 56	0 43	0 51	7 43	1 31	11 56	2 39	12 30	0 26	12 56	0 41	6 20	16 39	23 20	23 18	23 3	10 18	6 49
F 6	6 22	22 20	3 18	8 44	0 1	21 45	2 0	1 2	0 50	7 45	1 31	11 55	2 39	12 31	0 26	12 57	0 41	6 19	16 38	23 21	23 18	23 4	10 19	6 48
S 7	6 45	24 12	2 13	9 41	0n10	22 3	2 3	1 20	0 50	7 47	1 31	11 53	2 39	12 32	0 26	12 57	0 41	6 19	16 38	23 21	23 18	23 5	10 20	6 47
S 8	7 7	24 24	1 1	10 37	0 21	22 21	2 6	1 39	0 50	7 49	1 30	11 52	2 39	12 33	0 26	12 57	0 41	6 18	16 38	23 21	23 18	23 5	10 21	6 46
M 9	7 29	23 0	0s13	11 31	0 32	22 38	2 9	1 58	0 49	7 51	1 30	11 50	2 40	12 35	0 26	12 58	0 41	6 18	16 38	23 21	23 19	23 6	10 22	6 45
T 10	7 52	20 13	1 25	12 25	0 43	22 55	2 12	2 16	0 49	7 52	1 30	11 49	2 40	12 36	0 26	12 58	0 41	6 17	16 38	23 21	23 19	23 7	10 23	6 44
W11	8 14	16 24	2 31	13 17	0 54	23 11	2 15	2 35	0 48	7 54	1 30	11 48	2 40	12 37	0 26	12 58	0 41	6 17	16 38	23 21	23 19	23 8	10 24	6 44
T 12	8 36	11 50	3 27	14 8	1 5	23 26	2 18	2 54	0 48	7 56	1 30	11 46	2 40	12 38	0 26	12 59	0 41	6 16	16 38	23 21	23 19	23 9	10 24	6 43
F 13	8 58	6 50	4 11	14 57	1 16	23 41	2 21	3 12	0 47	7 58	1 30	11 45	2 40	12 39	0 26	12 59	0 41	6 16	16 38	23 21	23 19	23 9	10 25	6 42
S 14	9 19	1 37	4 42	15 44	1 26	23 56	2 24	3 31	0 47	7 59	1 29	11 43	2 40	12 40	0 26	12 59	0 41	6 15	16 38	23 22	23 19	23 10	10 26	6 41
S 15	9 41	3s34	4 59	16 28	1 36	24 9	2 27	3 49	0 46	8 1	1 29	11 42	2 40	12 42	0 26	12 59	0 41	6 15	16 38	23 22	23 20	23 11	10 27	6 40
M16	10 2	8 32	5 1	17 11	1 45	24 23	2 30	4 7	0 46	8 2	1 29	11 41	2 40	12 43	0 26	13 0	0 41	6 14	16 38	23 23	23 20	23 12	10 28	6 39
T 17	10 23	13 7	4 49	17 51	1 54	24 35	2 33	4 26	0 46	8 4	1 29	11 39	2 40	12 44	0 26	13 0	0 41	6 14	16 38	23 23	23 20	23 12	10 28	6 39
W18	10 44	17 7	4 24	18 29	2 3	24 47	2 35	4 44	0 45	8 5	1 29	11 38	2 40	12 45	0 26	13 0	0 41	6 13	16 38	23 24	23 20	23 13	10 29	6 38
T 19	11 5	20 22	3 47	19 4	2 10	24 58	2 38	5 2	0 45	8 6	1 29	11 36	2 40	12 46	0 26	13 0	0 41	6 13	16 38	23 24	23 20	23 14	10 30	6 37
F 20	11 26	22 44	3 1	19 37	2 17	25 9	2 40	5 20	0 44	8 7	1 28	11 35	2 40	12 47	0 26	13 0	0 41	6 12	16 38	23 24	23 20	23 15	10 30	6 36
S 21	11 46	24 6	2 7	20 7	2 23	25 19	2 43	5 38	0 44	8 9	1 28	11 33	2 40	12 49	0 26	13 1	0 41	6 12	16 38	23 25	23 21	23 15	10 31	6 35
S 22	12 7	24 22	1 8	20 34	2 29	25 29	2 45	5 56	0 43	8 10	1 28	11 32	2 40	12 50	0 26	13 1	0 41	6 11	16 38	23 25	23 21	23 16	10 31	6 34
M23	12 27	23 32	0 5	20 59	2 33	25 37	2 47	6 14	0 43	8 11	1 28	11 30	2 40	12 51	0 26	13 1	0 41	6 11	16 38	23 25	23 21	23 17	10 32	6 34
T 24	12 47	21 36	0n59	21 22	2 36	25 46	2 49	6 32	0 42	8 11	1 28	11 29	2 40	12 52	0 26	13 1	0 41	6 10	16 38	23 25	23 21	23 17	10 32	6 33
W25	13 6	18 41	2 1	21 42	2 39	25 53	2 51	6 50	0 41	8 12	1 28	11 28	2 40	12 53	0 26	13 1	0 41	6 10	16 38	23 25	23 21	23 18	10 33	6 32
T 26	13 26	14 51	2 59	21 59	2 41	26 0	2 53	7 7	0 41	8 13	1 27	11 26	2 40	12 54	0 26	13 1	0 41	6 9	16 38	23 25	23 21	23 19	10 33	6 31
F 27	13 45	10 15	3 50	22 14	2 41	26 7	2 55	7 25	0 40	8 14	1 27	11 25	2 40	12 56	0 26	13 2	0 41	6 9	16 39	23 25	23 21	23 19	10 33	6 30
S 28	14 4	5 2	4 30	22 26	2 41	26 12	2 57	7 42	0 40	8 14	1 27	11 23	2 40	12 57	0 26	13 2	0 41	6 9	16 39	23 25	23 22	23 20	10 34	6 29
S 29	14 23	0n36	4 57	22 36	2 40	26 18	2 58	8 0	0 39	8 15	1 27	11 22	2 40	12 58	0 26	13 2	0 41	6 8	16 39	23 25	23 22	23 21	10 34	6 29
M30	14n42	6n24	5n 6	22n44	2n37	26n22	3n 0	8n17	0s39	8n15	1n27	11s20	2n40	12n59	0s26	13n 2	0n41	6s 8	16s39	23s25	23s22	23s21	10n34	6s28

Julian Day Number = 2305903.5, Delta T = 87.16 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'31, Lahiri = 18°17'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

MAY 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 31	10♉29'11	18♈59	0♊35	25♊25	23♈33	12°R22	6°R52	5♉35	27°R25	24♈ 7	4°R10	5♑46	1♐40	13♌40	T 1
W 2	14 39 28	11°27'14	3♉58	1°11	26°27	24°18	12♍21	6♏47	5°39	27♌25	24° 8	4♑ 2	5°42	1°47	13°42	W 2
T 3	14 43 24	12°25'15	19° 8	1°42	27°29	25° 3	12°19	6°43	5°42	27°25	24°10	3°55	5°39	1°53	13°44	T 3
F 4	14 47 21	13°23'15	4♊18	2° 8	28°30	25°48	12°18	6°38	5°46	27°25	24°11	3°49	5°36	2° 0	13°46	F 4
S 5	14 51 17	14°21'14	19°18	2°28	29°31	26°33	12°18	6°34	5°49	27°25	24°12	3°47	5°33	2° 7	13°48	S 5
S 6	14 55 14	15°19'10	4♋ 1	2°43	0♋32	27°18	12°17	6°29	5°53	27°24	24°14	3°D46	5°30	2°13	13°51	S 6
M 7	14 59 11	16°17'05	18°22	2°54	1°32	28° 3	12°17	6°25	5°56	27°24	24°15	3°46	5°26	2°20	13°53	M 7
T 8	15 3 7	17°14'58	2♌20	2°59	2°32	28°48	12°16	6°20	6° 0	27°D24	24°16	3°48	5°23	2°27	13°56	T 8
W 9	15 7 4	18°12'49	15°53	2°R59	3°31	29°33	12°D16	6°16	6° 3	27°24	24°18	3°R48	5°20	2°33	13°59	W 9
T 10	15 11 0	19°10'38	29° 5	2°55	4°30	0♍17	12°16	6°12	6° 6	27°24	24°19	3°48	5°17	2°40	14° 2	T 10
F 11	15 14 57	20° 8'25	11♎58	2°46	5°29	1° 2	12°16	6° 7	6°10	27°24	24°20	3°46	5°14	2°47	14° 5	F 11
S 12	15 18 53	21° 6'11	24°35	2°32	6°27	1°46	12°17	6° 3	6°13	27°25	24°21	3°41	5°11	2°53	14° 8	S 12
S 13	15 22 50	22° 3'55	6♏58	2°15	7°25	2°31	12°18	5°59	6°16	27°25	24°23	3°36	5° 7	3° 0	14°11	S 13
M14	15 26 46	23° 1'37	19°10	1°53	8°22	3°15	12°18	5°55	6°20	27°25	24°24	3°29	5° 4	3° 7	14°14	M14
T 15	15 30 43	23°59'18	1♐14	1°29	9°19	4° 0	12°19	5°50	6°23	27°25	24°25	3°22	5° 1	3°13	14°18	T 15
W16	15 34 40	24°56'58	13°12	1° 1	10°15	4°44	12°21	5°46	6°27	27°25	24°26	3°15	4°58	3°20	14°21	W16
T 17	15 38 36	25°54'36	25° 4	0°31	11°11	5°28	12°22	5°42	6°30	27°26	24°28	3° 9	4°55	3°27	14°25	T 17
F 18	15 42 33	26°52'13	6♐54	29♉59	12° 6	6°13	12°23	5°38	6°33	27°26	24°29	3° 4	4°52	3°33	14°28	F 18
S 19	15 46 29	27°49'49	18°42	29°26	13° 1	6°57	12°25	5°34	6°36	27°26	24°30	3° 2	4°48	3°40	14°32	S 19
S 20	15 50 26	28°47'24	0♑32	28°52	13°55	7°41	12°27	5°30	6°40	27°27	24°31	3°D 0	4°45	3°47	14°36	S 20
M21	15 54 22	29°44'58	12°26	28°18	14°49	8°25	12°29	5°26	6°43	27°27	24°32	3° 1	4°42	3°53	14°40	M21
T 22	15 58 19	0♊42'30	24°28	27°45	15°42	9° 9	12°31	5°22	6°46	27°27	24°34	3° 2	4°39	4° 0	14°44	T 22
W23	16 2 15	1°40'02	6♒41	27°12	16°34	9°53	12°34	5°18	6°49	27°28	24°35	3° 4	4°36	4° 7	14°48	W23
T 24	16 6 12	2°37'33	19°10	26°41	17°26	10°37	12°36	5°15	6°53	27°28	24°36	3° 5	4°32	4°13	14°52	T 24
F 25	16 10 9	3°35'03	1♓58	26°12	18°17	11°21	12°39	5°11	6°56	27°29	24°37	3°R 6	4°29	4°20	14°57	F 25
S 26	16 14 5	4°32'32	15°11	25°46	19° 8	12° 5	12°42	5° 7	6°59	27°29	24°38	3° 5	4°26	4°27	15° 1	S 26
S 27	16 18 2	5°30'00	28°49	25°22	19°58	12°48	12°45	5° 4	7° 2	27°30	24°39	3° 4	4°23	4°33	15° 5	S 27
M28	16 21 58	6°27'28	12♈55	25° 2	20°47	13°32	12°48	5° 0	7° 5	27°31	24°40	3° 1	4°20	4°40	15°10	M28
T 29	16 25 55	7°24'54	27°27	24°46	21°35	14°16	12°52	4°57	7° 8	27°31	24°41	2°58	4°17	4°47	15°15	T 29
W30	16 29 51	8°22'21	12♉20	24°33	22°22	14°59	12°55	4°53	7°12	27°32	24°42	2°55	4°13	4°53	15°19	W30
T 31	16 33 48	9♊19'46	27♉28	24♉25	23♋ 9	15♉43	12♍59	4♏50	7♉15	27♌33	24♈44	2♑52	4♑10	5♐ 0	15♌24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 0	12n 0	4n56	22n49	2n34	26n26	3n 1	8n34	0s38	8n16	1n26	11s19	2n40	13n 0	0s26	13n 2	0n41	6s 7	16s39	23s26	23s22	23s22	10n35	6s27
W 2	15 18	17 2	4 26	22 52	2 29	26 29	3 3	8 52	0 38	8 16	1 26	11 17	2 40	13 1	0 26	13 2	0 41	6 7	16 39	23 26	23 22	23 23	10 35	6 26
T 3	15 36	21 1	3 36	22 53	2 23	26 32	3 4	9 9	0 37	8 16	1 26	11 16	2 40	13 2	0 26	13 2	0 41	6 7	16 39	23 26	23 22	23 23	10 35	6 25
F 4	15 54	23 32	2 32	22 51	2 16	26 34	3 5	9 25	0 37	8 17	1 26	11 15	2 40	13 4	0 26	13 2	0 41	6 6	16 39	23 26	23 22	23 24	10 35	6 24
S 5	16 11	24 21	1 17	22 48	2 8	26 35	3 6	9 42	0 36	8 17	1 26	11 13	2 40	13 5	0 26	13 2	0 41	6 6	16 39	23 26	23 22	23 25	10 35	6 24
S 6	16 28	23 24	0s 1	22 42	1 59	26 36	3 7	9 59	0 36	8 17	1 25	11 12	2 40	13 6	0 26	13 2	0 41	6 6	16 39	23 26	23 23	23 25	10 35	6 23
M 7	16 45	20 56	1 18	22 34	1 49	26 36	3 7	10 16	0 35	8 17	1 25	11 10	2 40	13 7	0 26	13 2	0 41	6 5	16 39	23 26	23 23	23 26	10 36	6 22
T 8	17 1	17 17	2 28	22 24	1 38	26 36	3 8	10 32	0 34	8 17	1 25	11 9	2 40	13 8	0 26	13 2	0 41	6 5	16 39	23 26	23 23	23 27	10 36	6 21
W 9	17 17	12 48	3 28	22 12	1 26	26 35	3 8	10 48	0 34	8 17	1 25	11 8	2 39	13 9	0 26	13 2	0 41	6 4	16 40	23 26	23 23	23 27	10 36	6 20
T 10	17 33	7 50	4 15	21 58	1 12	26 33	3 8	11 5	0 33	8 16	1 24	11 6	2 39	13 10	0 26	13 2	0 41	6 4	16 40	23 26	23 23	23 28	10 36	6 19
F 11	17 49	2 39	4 47	21 42	0 58	26 31	3 9	11 21	0 33	8 16	1 24	11 5	2 39	13 12	0 26	13 2	0 41	6 4	16 40	23 26	23 23	23 28	10 35	6 19
S 12	18 4	2s31	5 5	21 25	0 43	26 28	3 8	11 37	0 32	8 16	1 24	11 4	2 39	13 13	0 26	13 2	0 41	6 4	16 40	23 26	23 23	23 29	10 35	6 18
S 13	18 19	7 30	5 9	21 6	0 27	26 25	3 8	11 53	0 32	8 15	1 24	11 2	2 39	13 14	0 26	13 2	0 41	6 3	16 40	23 27	23 24	23 30	10 35	6 17
M14	18 34	12 7	4 58	20 46	0 11	26 21	3 8	12 9	0 31	8 15	1 24	11 1	2 39	13 15	0 26	13 2	0 41	6 3	16 40	23 27	23 24	23 30	10 35	6 16
T 15	18 49	16 12	4 34	20 24	0s 6	26 17	3 8	12 24	0 30	8 14	1 23	11 0	2 39	13 16	0 26	13 2	0 41	6 3	16 40	23 27	23 24	23 31	10 35	6 15
W16	19 3	19 37	3 58	20 2	0 23	26 12	3 7	12 40	0 30	8 13	1 23	10 59	2 39	13 17	0 26	13 2	0 41	6 2	16 41	23 27	23 24	23 31	10 35	6 15
T 17	19 17	22 11	3 12	19 39	0 40	26 7	3 6	12 55	0 29	8 13	1 23	10 57	2 39	13 18	0 26	13 2	0 41	6 2	16 41	23 27	23 24	23 32	10 34	6 14
F 18	19 30	23 46	2 18	19 15	0 58	26 1	3 5	13 10	0 29	8 12	1 23	10 56	2 39	13 19	0 26	13 2	0 41	6 2	16 41	23 27	23 24	23 32	10 34	6 13
S 19	19 43	24 18	1 17	18 51	1 15	25 54	3 4	13 25	0 28	8 11	1 22	10 55	2 38	13 20	0 26	13 1	0 41	6 2	16 41	23 27	23 24	23 33	10 34	6 12
S 20	19 56	23 43	0 14	18 27	1 33	25 47	3 3	13 40	0 27	8 10	1 22	10 54	2 38	13 21	0 26	13 1	0 41	6 1	16 41	23 27	23 24	23 33	10 33	6 12
M21	20 8	22 3	0n51	18 3	1 49	25 40	3 1	13 55	0 27	8 9	1 22	10 53	2 38	13 22	0 26	13 1	0 41	6 1	16 41	23 27	23 24	23 34	10 33	6 11
T 22	20 21	19 23	1 55	17 40	2 6	25 32	2 59	14 10	0 26	8 8	1 22	10 51	2 38	13 24	0 26	13 1	0 41	6 1	16 42	23 27	23 25	23 34	10 33	6 10
W23	20 32	15 50	2 54	17 17	2 21	25 24	2 58	14 24	0 25	8 7	1 22	10 50	2 38	13 25	0 26	13 1	0 41	6 1	16 42	23 27	23 25	23 35	10 32	6 9
T 24	20 44	11 31	3 46	16 56	2 36	25 15	2 55	14 39	0 25	8 6	1 21	10 49	2 38	13 26	0 26	13 1	0 41	6 0	16 42	23 27	23 25	23 36	10 32	6 9
F 25	20 55	6 36	4 29	16 36	2 50	25 6	2 53	14 53	0 24	8 5	1 21	10 48	2 37	13 27	0 26	13 0	0 40	6 0	16 42	23 27	23 25	23 36	10 31	6 8
S 26	21 6	1 15	4 59	16 17	3 2	24 56	2 51	15 7	0 24	8 3	1 21	10 47	2 37	13 28	0 26	13 0	0 40	6 0	16 42	23 27	23 25	23 37	10 31	6 7
S 27	21 16	4n19	5 13	16 0	3 14	24 46	2 48	15 21	0 23	8 2	1 21	10 46	2 37	13 29	0 26	13 0	0 40	6 0	16 43	23 27	23 25	23 37	10 30	6 6
M28	21 26	9 51	5 9	15 45	3 24	24 36	2 45	15 35	0 22	8 0	1 21	10 45	2 37	13 30	0 26	13 0	0 40	6 0	16 43	23 27	23 25	23 38	10 29	6 6
T 29	21 36	15 2	4 46	15 33	3 34	24 25	2 42	15 48	0 22	7 59	1 20	10 44	2 37	13 31	0 26	13 0	0 40	5 59	16 43	23 27	23 25	23 38	10 29	6 5
W30	21 45	19 26	4 3	15 22	3 42	24 14	2 39	16 2	0 21	7 57	1 20	10 43	2 37	13 32	0 26	12 59	0 40	5 59	16 43	23 28	23 25	23 38	10 28	6 4
T 31	21n54	22n36	3n 3	15n13	3s49	24n 3	2n35	16n15	0s20	7n56	1n20	10s42	2n36	13n33	0s26	12n59	0n40	5s59	16s44	23s28	23s26	23s39	10n27	6s 4

Julian Day Number = 2305933.5, Delta T = 87.06 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'35, Lahiri = 18°17'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

JUNE 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 37 44	10♊17'11	12♊41	24°D21	23♋55	16♉26	13♍ 3	4°R47	7♉18	27♌33	24♈45	2°R50	4♑ 7	5♐ 7	15♌29	F 1
S 2	16 41 41	11°14'35	27°49	24♉21	24°40	17°10	13° 7	4♏44	7°21	27°34	24°46	2°D49	4° 4	5°13	15°34	S 2
S 3	16 45 38	12°11'58	12♋43	24°26	25°24	17°53	13°11	4°40	7°24	27°35	24°47	2♑49	4° 1	5°20	15°39	S 3
M 4	16 49 34	13° 9'20	27°17	24°35	26° 7	18°36	13°15	4°37	7°27	27°36	24°48	2°50	3°58	5°27	15°44	M 4
T 5	16 53 31	14° 6'41	11♌26	24°49	26°49	19°20	13°20	4°34	7°30	27°37	24°49	2°51	3°54	5°33	15°50	T 5
W 6	16 57 27	15° 4'01	25° 8	25° 8	27°30	20° 3	13°25	4°32	7°33	27°38	24°50	2°52	3°51	5°40	15°55	W 6
T 7	17 1 24	16° 1'20	8♍25	25°31	28°10	20°46	13°30	4°29	7°35	27°39	24°50	2°53	3°48	5°47	16° 0	T 7
F 8	17 5 20	16°58'38	21°19	25°58	28°49	21°29	13°35	4°26	7°38	27°40	24°51	2°R53	3°45	5°53	16° 6	F 8
S 9	17 9 17	17°55'55	3♎53	26°29	29°27	22°12	13°40	4°23	7°41	27°40	24°52	2°53	3°42	6° 0	16°11	S 9
S 10	17 13 13	18°53'11	16°11	27° 5	0♌ 3	22°55	13°45	4°21	7°44	27°42	24°53	2°51	3°38	6° 7	16°17	S 10
M11	17 17 10	19°50'26	28°17	27°45	0°39	23°38	13°51	4°18	7°47	27°43	24°54	2°50	3°35	6°13	16°23	M11
T 12	17 21 7	20°47'40	10♏14	28°30	1°13	24°21	13°56	4°16	7°49	27°44	24°55	2°48	3°32	6°20	16°28	T 12
W13	17 25 3	21°44'54	22° 6	29°18	1°45	25° 3	14° 2	4°14	7°52	27°45	24°56	2°46	3°29	6°27	16°34	W13
T 14	17 29 0	22°42'08	3♐55	0♊11	2°17	25°46	14° 8	4°11	7°55	27°46	24°57	2°45	3°26	6°33	16°40	T 14
F 15	17 32 56	23°39'21	15°44	1° 7	2°46	26°29	14°14	4° 9	7°58	27°47	24°57	2°44	3°23	6°40	16°46	F 15
S 16	17 36 53	24°36'33	27°35	2° 7	3°15	27°11	14°20	4° 7	8° 0	27°48	24°58	2°D44	3°19	6°47	16°52	S 16
S 17	17 40 49	25°33'45	9♑31	3°11	3°41	27°54	14°26	4° 5	8° 3	27°49	24°59	2°44	3°16	6°53	16°58	S 17
M18	17 44 46	26°30'57	21°33	4°19	4° 7	28°36	14°33	4° 3	8° 5	27°51	25° 0	2°44	3°13	7° 0	17° 4	M18
T 19	17 48 42	27°28'08	3♒44	5°30	4°30	29°19	14°39	4° 1	8° 8	27°52	25° 1	2°44	3°10	7° 7	17°10	T 19
W20	17 52 39	28°25'19	16° 7	6°45	4°52	0♊ 1	14°46	4° 0	8°10	27°53	25° 1	2°45	3° 7	7°13	17°17	W20
T 21	17 56 36	29°22'30	28°44	8° 4	5°12	0°43	14°53	3°58	8°13	27°55	25° 2	2°45	3° 4	7°20	17°23	T 21
F 22	18 0 32	0♋19'42	11♓37	9°27	5°30	1°26	15° 0	3°56	8°15	27°56	25° 3	2°46	3° 0	7°27	17°30	F 22
S 23	18 4 29	1°16'53	24°49	10°52	5°46	2° 8	15° 7	3°55	8°18	27°57	25° 3	2°46	2°57	7°33	17°36	S 23
S 24	18 8 25	2°14'04	8♈23	12°22	6° 0	2°50	15°14	3°54	8°20	27°59	25° 4	2°46	2°54	7°40	17°43	S 24
M25	18 12 22	3°11'16	22°19	13°55	6°13	3°32	15°22	3°52	8°22	28° 0	25° 5	2°46	2°51	7°47	17°49	M25
T 26	18 16 18	4° 8'27	6♉37	15°31	6°23	4°14	15°29	3°51	8°25	28° 2	25° 5	2°46	2°48	7°53	17°56	T 26
W27	18 20 15	5° 5'39	21°15	17°10	6°31	4°56	15°37	3°50	8°27	28° 3	25° 6	2°46	2°44	8° 0	18° 3	W27
T 28	18 24 11	6° 2'52	6♊ 7	18°53	6°37	5°38	15°44	3°49	8°29	28° 5	25° 6	2°46	2°41	8° 7	18° 9	T 28
F 29	18 28 8	7° 0'04	21° 7	20°39	6°40	6°20	15°52	3°48	8°31	28° 6	25° 7	2°46	2°38	8°13	18°16	F 29
S 30	18 32 5	7♋57'17	6♋ 8	22♊28	6°R42	7♊ 1	16♍ 0	3♏48	8♉33	28♌ 8	25♈ 8	2°R47	2♑35	8♐20	18♌23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 2	24n10	1n49	15n 7	3s54	23n51	2n31	16n28	0s20	7n54	1n20	10s41	2n36	13n34	0s26	12n59	0n40	5s59	16s44	23s28	23s26	23s39	10n27	6s 3
S 2	22 11	23 56	0 28	15 3	3 59	23 39	2 27	16 41	0 19	7 52	1 19	10 40	2 36	13 35	0 26	12 58	0 40	5 59	16 44	23 28	23 26	23 40	10 26	6 2
S 3	22 18	21 59	0s54	15 1	4 2	23 27	2 23	16 54	0 18	7 50	1 19	10 40	2 36	13 36	0 26	12 58	0 40	5 59	16 44	23 28	23 26	23 40	10 25	6 1
M 4	22 26	18 36	2 11	15 1	4 4	23 14	2 18	17 7	0 18	7 49	1 19	10 39	2 36	13 37	0 26	12 58	0 40	5 59	16 44	23 28	23 26	23 41	10 24	6 1
T 5	22 33	14 13	3 17	15 3	4 5	23 1	2 14	17 19	0 17	7 47	1 19	10 38	2 35	13 38	0 26	12 58	0 40	5 58	16 45	23 28	23 26	23 41	10 23	6 0
W 6	22 39	9 14	4 10	15 8	4 5	22 48	2 9	17 32	0 17	7 45	1 19	10 37	2 35	13 39	0 26	12 57	0 40	5 58	16 45	23 28	23 26	23 42	10 23	5 59
T 7	22 45	3 59	4 48	15 14	4 3	22 35	2 3	17 44	0 16	7 43	1 18	10 36	2 35	13 40	0 26	12 57	0 40	5 58	16 45	23 28	23 26	23 42	10 22	5 59
F 8	22 51	1s18	5 10	15 23	4 1	22 22	1 58	17 56	0 15	7 40	1 18	10 36	2 35	13 40	0 26	12 57	0 40	5 58	16 45	23 28	23 26	23 42	10 21	5 58
S 9	22 57	6 23	5 16	15 33	3 58	22 8	1 52	18 7	0 15	7 38	1 18	10 35	2 35	13 41	0 26	12 56	0 40	5 58	16 46	23 28	23 26	23 43	10 20	5 57
S 10	23 1	11 7	5 8	15 45	3 54	21 54	1 46	18 19	0 14	7 36	1 18	10 34	2 34	13 42	0 26	12 56	0 40	5 58	16 46	23 28	23 26	23 43	10 19	5 57
M11	23 6	15 20	4 46	15 59	3 49	21 40	1 39	18 30	0 13	7 34	1 18	10 34	2 34	13 43	0 26	12 56	0 40	5 58	16 46	23 28	23 27	23 44	10 18	5 56
T 12	23 10	18 54	4 12	16 14	3 44	21 26	1 33	18 42	0 13	7 31	1 17	10 33	2 34	13 44	0 26	12 55	0 40	5 58	16 47	23 28	23 27	23 44	10 17	5 55
W13	23 14	21 39	3 27	16 31	3 37	21 12	1 26	18 53	0 12	7 29	1 17	10 33	2 34	13 45	0 26	12 55	0 40	5 58	16 47	23 28	23 27	23 44	10 15	5 55
T 14	23 17	23 29	2 33	16 48	3 30	20 58	1 19	19 4	0 11	7 27	1 17	10 32	2 33	13 46	0 26	12 54	0 40	5 58	16 47	23 28	23 27	23 45	10 14	5 54
F 15	23 20	24 16	1 33	17 7	3 22	20 44	1 11	19 14	0 11	7 24	1 17	10 32	2 33	13 47	0 26	12 54	0 40	5 58	16 47	23 28	23 27	23 45	10 13	5 54
S 16	23 23	23 57	0 29	17 28	3 14	20 30	1 3	19 25	0 10	7 21	1 17	10 31	2 33	13 48	0 26	12 54	0 40	5 58	16 48	23 28	23 27	23 46	10 12	5 53
S 17	23 25	22 31	0n38	17 49	3 5	20 15	0 55	19 35	0 9	7 19	1 16	10 31	2 33	13 48	0 26	12 53	0 40	5 58	16 48	23 28	23 27	23 46	10 11	5 52
M18	23 27	20 4	1 43	18 11	2 56	20 1	0 46	19 45	0 8	7 16	1 16	10 30	2 33	13 49	0 26	12 53	0 40	5 58	16 48	23 28	23 27	23 46	10 10	5 52
T 19	23 28	16 42	2 44	18 33	2 46	19 47	0 37	19 55	0 8	7 13	1 16	10 30	2 32	13 50	0 26	12 52	0 40	5 58	16 49	23 28	23 27	23 47	10 8	5 51
W20	23 29	12 34	3 38	18 56	2 35	19 33	0 28	20 5	0 7	7 11	1 16	10 29	2 32	13 51	0 26	12 52	0 40	5 58	16 49	23 28	23 27	23 47	10 7	5 51
T 21	23 29	7 49	4 23	19 20	2 24	19 19	0 19	20 14	0 6	7 8	1 16	10 29	2 32	13 52	0 26	12 51	0 40	5 58	16 49	23 28	23 27	23 47	10 6	5 50
F 22	23 29	2 39	4 56	19 43	2 13	19 5	0 9	20 24	0 6	7 5	1 16	10 29	2 32	13 52	0 26	12 51	0 40	5 58	16 49	23 28	23 27	23 48	10 4	5 50
S 23	23 29	2n45	5 15	20 7	2 2	18 51	0s 2	20 33	0 5	7 2	1 15	10 29	2 31	13 53	0 26	12 50	0 40	5 58	16 50	23 28	23 27	23 48	10 3	5 49
S 24	23 28	8 10	5 16	20 31	1 50	18 37	0 12	20 42	0 4	6 59	1 15	10 28	2 31	13 54	0 26	12 50	0 40	5 58	16 50	23 28	23 28	23 48	10 1	5 48
M25	23 27	13 20	4 59	20 54	1 38	18 23	0 23	20 51	0 4	6 56	1 15	10 28	2 31	13 55	0 26	12 49	0 40	5 58	16 50	23 28	23 28	23 49	10 0	5 48
T 26	23 26	17 54	4 24	21 17	1 26	18 10	0 34	20 59	0 3	6 53	1 15	10 28	2 31	13 55	0 26	12 49	0 40	5 58	16 51	23 28	23 28	23 49	9 58	5 47
W27	23 24	21 30	3 31	21 39	1 14	17 57	0 46	21 8	0 2	6 50	1 15	10 28	2 30	13 56	0 26	12 48	0 40	5 58	16 51	23 28	23 28	23 49	9 57	5 47
T 28	23 21	23 43	2 23	22 1	1 1	17 44	0 58	21 16	0 2	6 47	1 14	10 28	2 30	13 57	0 26	12 48	0 40	5 58	16 51	23 28	23 28	23 49	9 55	5 46
F 29	23 18	24 16	1 4	22 21	0 49	17 31	1 10	21 24	0 1	6 43	1 14	10 28	2 30	13 57	0 26	12 47	0 40	5 58	16 52	23 28	23 28	23 50	9 54	5 46
S 30	23n15	23n 2	0s19	22n40	0s37	17n19	1s22	21n32	0s 0	6n40	1n14	10s28	2n30	13n58	0s26	12n47	0n40	5s59	16s52	23s28	23s28	23s50	9n52	5s45

Julian Day Number = 2305964.5, Delta T = 86.95 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'39, Lahiri = 18°17'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

JULY 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 1	8♋54'29	21♋ 0	24♊20	6°R41	7♊43	16♍ 8	3°R47	8♉36	28♎ 9	25♈ 8	2°R46	2♑32	8♐27	18♎30	S 1
M 2	18 39 58	9°51'42	5♎36	26°15	6♎38	8°25	16°17	3♏46	8°38	28°11	25° 9	2♑46	2°29	8°33	18°37	M 2
T 3	18 43 54	10°48'55	19°51	28°12	6°32	9° 6	16°25	3°46	8°40	28°12	25° 9	2°45	2°25	8°40	18°44	T 3
W 4	18 47 51	11°46'07	3♍40	0♋12	6°24	9°48	16°33	3°45	8°42	28°14	25°10	2°44	2°22	8°47	18°51	W 4
T 5	18 51 47	12°43'19	17° 3	2°13	6°14	10°29	16°42	3°45	8°44	28°16	25°10	2°43	2°19	8°53	18°58	T 5
F 6	18 55 44	13°40'32	0♎ 2	4°17	6° 1	11°11	16°51	3°45	8°45	28°17	25°10	2°42	2°16	9° 0	19° 5	F 6
S 7	18 59 41	14°37'44	12°38	6°22	5°46	11°52	16°59	3°45	8°47	28°19	25°11	2°D42	2°13	9° 7	19°13	S 7
S 8	19 3 37	15°34'57	24°56	8°29	5°28	12°33	17° 8	3°D45	8°49	28°21	25°11	2°42	2°10	9°13	19°20	S 8
M 9	19 7 34	16°32'09	7♏ 0	10°36	5° 9	13°15	17°17	3°45	8°51	28°23	25°12	2°43	2° 6	9°20	19°27	M 9
T 10	19 11 30	17°29'22	18°54	12°44	4°47	13°56	17°26	3°45	8°53	28°24	25°12	2°44	2° 3	9°27	19°35	T 10
W11	19 15 27	18°26'34	0♐44	14°53	4°22	14°37	17°36	3°45	8°54	28°26	25°12	2°45	2° 0	9°33	19°42	W11
T 12	19 19 23	19°23'47	12°32	17° 2	3°56	15°18	17°45	3°46	8°56	28°28	25°13	2°47	1°57	9°40	19°49	T 12
F 13	19 23 20	20°21'01	24°23	19°10	3°28	15°59	17°54	3°46	8°58	28°30	25°13	2°47	1°54	9°46	19°57	F 13
S 14	19 27 16	21°18'15	6♑20	21°18	2°58	16°40	18° 4	3°47	8°59	28°32	25°13	2°R48	1°50	9°53	20° 4	S 14
S 15	19 31 13	22°15'29	18°25	23°25	2°26	17°20	18°13	3°48	9° 1	28°33	25°13	2°47	1°47	10° 0	20°12	S 15
M16	19 35 10	23°12'43	0♒40	25°32	1°53	18° 1	18°23	3°48	9° 2	28°35	25°13	2°45	1°44	10° 6	20°20	M16
T 17	19 39 6	24° 9'59	13° 6	27°37	1°19	18°42	18°33	3°49	9° 4	28°37	25°14	2°43	1°41	10°13	20°27	T 17
W18	19 43 3	25° 7'15	25°45	29°41	0°43	19°23	18°43	3°50	9° 5	28°39	25°14	2°39	1°38	10°20	20°35	W18
T 19	19 46 59	26° 4'31	8♓38	1♎44	0° 7	20° 3	18°52	3°51	9° 6	28°41	25°14	2°36	1°35	10°26	20°43	T 19
F 20	19 50 56	27° 1'49	21°45	3°46	29♋30	20°44	19° 3	3°52	9° 8	28°43	25°14	2°33	1°31	10°33	20°50	F 20
S 21	19 54 52	27°59'07	5♈ 6	5°46	28°53	21°24	19°13	3°54	9° 9	28°45	25°14	2°30	1°28	10°40	20°58	S 21
S 22	19 58 49	28°56'27	18°42	7°45	28°16	22° 5	19°23	3°55	9°10	28°47	25°14	2°29	1°25	10°46	21° 6	S 22
M23	20 2 45	29°53'47	2♉34	9°42	27°38	22°45	19°33	3°57	9°11	28°49	25°14	2°D28	1°22	10°53	21°14	M23
T 24	20 6 42	0♎51'09	16°40	11°37	27° 1	23°25	19°43	3°58	9°12	28°51	25°14	2°29	1°19	11° 0	21°22	T 24
W25	20 10 39	1°48'32	1♊ 0	13°31	26°25	24° 6	19°54	4° 0	9°13	28°53	25°14	2°30	1°16	11° 6	21°30	W25
T 26	20 14 35	2°45'56	15°31	15°23	25°49	24°46	20° 4	4° 1	9°14	28°55	25°R14	2°32	1°12	11°13	21°38	T 26
F 27	20 18 32	3°43'21	0♋10	17°14	25°15	25°26	20°15	4° 3	9°15	28°57	25°14	2°R32	1° 9	11°20	21°45	F 27
S 28	20 22 28	4°40'48	14°50	19° 3	24°41	26° 6	20°26	4° 5	9°16	28°59	25°14	2°32	1° 6	11°26	21°53	S 28
S 29	20 26 25	5°38'15	29°26	20°50	24° 9	26°46	20°37	4° 7	9°17	29° 1	25°14	2°30	1° 3	11°33	22° 1	S 29
M30	20 30 21	6°35'43	13♎52	22°36	23°39	27°26	20°47	4° 9	9°18	29° 3	25°14	2°26	1° 0	11°40	22° 9	M30
T 31	20 34 18	7♎33'13	28♎ 1	24♎20	23♋10	28♊ 6	20♍58	4♏12	9♉19	29♎ 5	25♈14	2♑21	0♑56	11♐46	22♎18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n11	20n12	1s40	22n58	0s24	17n 7	1s35	21n39	0n 1	6n37	1n14	10s28	2n29	13n59	0s26	12n46	0n40	5s59	16s52	23s28	23s28	23s50	9n51	5s45
M 2	23 7	16 7	2 52	23 14	0 13	16 55	1 48	21 47	0 1	6 34	1 14	10 28	2 29	13 59	0 26	12 46	0 40	5 59	16 53	23 28	23 28	23 51	9 49	5 44
T 3	23 3	11 13	3 53	23 28	0 1	16 43	2 1	21 54	0 2	6 30	1 14	10 28	2 29	14 0	0 26	12 45	0 40	5 59	16 53	23 28	23 28	23 51	9 47	5 44
W 4	22 58	5 52	4 37	23 40	0n11	16 32	2 15	22 1	0 3	6 27	1 13	10 28	2 28	14 1	0 26	12 44	0 40	5 59	16 53	23 28	23 28	23 51	9 46	5 43
T 5	22 53	0 26	5 5	23 50	0 21	16 21	2 29	22 7	0 3	6 23	1 13	10 28	2 28	14 1	0 27	12 44	0 40	5 59	16 54	23 28	23 28	23 51	9 44	5 43
F 6	22 47	4s51	5 17	23 57	0 32	16 11	2 42	22 14	0 4	6 20	1 13	10 28	2 28	14 2	0 27	12 43	0 40	5 59	16 54	23 28	23 28	23 52	9 42	5 42
S 7	22 41	9 47	5 12	24 2	0 42	16 1	2 56	22 20	0 5	6 16	1 13	10 29	2 28	14 2	0 27	12 43	0 40	6 0	16 54	23 28	23 28	23 52	9 40	5 42
S 8	22 35	14 13	4 54	24 4	0 51	15 52	3 10	22 26	0 6	6 13	1 13	10 29	2 27	14 3	0 27	12 42	0 40	6 0	16 55	23 28	23 28	23 52	9 39	5 41
M 9	22 28	18 0	4 22	24 4	1 0	15 43	3 25	22 32	0 6	6 9	1 13	10 29	2 27	14 4	0 27	12 41	0 40	6 0	16 55	23 28	23 28	23 52	9 37	5 41
T 10	22 21	21 0	3 40	24 1	1 8	15 34	3 39	22 38	0 7	6 5	1 13	10 30	2 27	14 4	0 27	12 41	0 40	6 0	16 55	23 28	23 29	23 52	9 35	5 41
W11	22 13	23 5	2 48	23 55	1 16	15 26	3 53	22 44	0 8	6 1	1 12	10 30	2 27	14 5	0 27	12 40	0 40	6 0	16 56	23 28	23 29	23 53	9 33	5 40
T 12	22 5	24 10	1 50	23 46	1 22	15 19	4 7	22 49	0 8	5 58	1 12	10 30	2 26	14 5	0 27	12 40	0 40	6 1	16 56	23 28	23 29	23 53	9 31	5 40
F 13	21 57	24 9	0 46	23 34	1 28	15 12	4 21	22 54	0 9	5 54	1 12	10 31	2 26	14 6	0 27	12 39	0 40	6 1	16 56	23 28	23 29	23 53	9 29	5 39
S 14	21 48	23 1	0n20	23 20	1 33	15 5	4 34	22 59	0 10	5 50	1 12	10 31	2 26	14 6	0 27	12 38	0 40	6 1	16 57	23 28	23 29	23 53	9 27	5 39
S 15	21 39	20 49	1 25	23 3	1 37	14 59	4 48	23 4	0 11	5 46	1 12	10 32	2 26	14 7	0 27	12 38	0 40	6 1	16 57	23 28	23 29	23 53	9 25	5 39
M16	21 29	17 39	2 28	22 44	1 41	14 53	5 1	23 8	0 11	5 42	1 12	10 32	2 25	14 7	0 27	12 37	0 40	6 1	16 57	23 28	23 29	23 54	9 23	5 38
T 17	21 20	13 39	3 24	22 23	1 44	14 48	5 14	23 13	0 12	5 38	1 12	10 33	2 25	14 8	0 27	12 36	0 40	6 2	16 58	23 28	23 29	23 54	9 21	5 38
W18	21 9	9 1	4 12	21 59	1 46	14 44	5 26	23 17	0 13	5 34	1 11	10 33	2 25	14 8	0 27	12 36	0 40	6 2	16 58	23 28	23 29	23 54	9 19	5 37
T 19	20 59	3 54	4 47	21 33	1 47	14 40	5 38	23 20	0 13	5 30	1 11	10 34	2 24	14 8	0 27	12 35	0 40	6 2	16 58	23 28	23 29	23 54	9 17	5 37
F 20	20 48	1n27	5 9	21 6	1 48	14 36	5 49	23 24	0 14	5 26	1 11	10 35	2 24	14 9	0 27	12 34	0 40	6 2	16 59	23 28	23 29	23 54	9 15	5 37
S 21	20 37	6 50	5 14	20 37	1 48	14 33	6 0	23 28	0 15	5 22	1 11	10 35	2 24	14 9	0 27	12 34	0 40	6 3	16 59	23 28	23 29	23 54	9 13	5 36
S 22	20 25	11 59	5 2	20 6	1 47	14 31	6 10	23 31	0 16	5 18	1 11	10 36	2 24	14 10	0 27	12 33	0 40	6 3	16 59	23 28	23 29	23 55	9 11	5 36
M23	20 13	16 39	4 32	19 34	1 46	14 29	6 19	23 34	0 16	5 14	1 11	10 37	2 23	14 10	0 27	12 32	0 40	6 3	17 0	23 28	23 29	23 55	9 9	5 36
T 24	20 1	20 27	3 46	19 0	1 44	14 28	6 28	23 37	0 17	5 10	1 11	10 37	2 23	14 10	0 27	12 32	0 40	6 4	17 0	23 28	23 29	23 55	9 7	5 35
W25	19 48	23 5	2 44	18 25	1 41	14 26	6 35	23 39	0 18	5 5	1 11	10 38	2 23	14 11	0 27	12 31	0 40	6 4	17 0	23 28	23 29	23 55	9 5	5 35
T 26	19 35	24 14	1 32	17 50	1 38	14 26	6 43	23 42	0 19	5 1	1 10	10 39	2 23	14 11	0 27	12 30	0 40	6 4	17 1	23 28	23 29	23 55	9 2	5 35
F 27	19 22	23 42	0 13	17 13	1 35	14 26	6 49	23 44	0 19	4 57	1 10	10 40	2 22	14 11	0 27	12 29	0 40	6 5	17 1	23 28	23 29	23 55	9 0	5 34
S 28	19 8	21 33	1s 7	16 35	1 31	14 26	6 54	23 46	0 20	4 52	1 10	10 41	2 22	14 11	0 27	12 29	0 40	6 5	17 1	23 28	23 29	23 55	8 58	5 34
S 29	18 54	18 0	2 22	15 57	1 27	14 27	6 59	23 48	0 21	4 48	1 10	10 42	2 22	14 12	0 27	12 28	0 40	6 5	17 2	23 28	23 29	23 55	8 56	5 34
M30	18 40	13 24	3 27	15 18	1 22	14 28	7 3	23 49	0 22	4 44	1 10	10 43	2 22	14 12	0 27	12 27	0 40	6 6	17 2	23 28	23 29	23 55	8 53	5 34
T 31	18n25	8n10	4s17	14n38	1n16	14n29	7s 7	23n51	0n22	4n39	1n10	10s44	2n21	14n12	0s27	12n26	0n40	6s 6	17s 2	23s28	23s29	23s56	8n51	5s33

Julian Day Number = 2305994.5, Delta T = 86.84 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'43, Lahiri = 18°17'44Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1601
geocentric

AUGUST 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 38 14	8♌30'43	11♍49	26♌ 2	22°R43	28♊46	21♍ 9	4♏14	9♉19	29♌ 7	25°R14	2°R16	0♑53	11♐53	22♌26	W 1
T 2	20 42 11	9°28'14	25°13	27°43	22♋19	29°25	21°20	4°16	9°20	29°10	25♈14	2♑10	0°50	12° 0	22°34	T 2
F 3	20 46 8	10°25'45	8♎13	29°22	21°56	0♋ 5	21°32	4°19	9°21	29°12	25°14	2° 5	0°47	12° 6	22°42	F 3
S 4	20 50 4	11°23'18	20°52	1♍ 0	21°35	0°45	21°43	4°21	9°21	29°14	25°14	2° 2	0°44	12°13	22°50	S 4
S 5	20 54 1	12°20'52	3♏11	2°36	21°17	1°24	21°54	4°24	9°22	29°16	25°13	2° 0	0°41	12°20	22°58	S 5
M 6	20 57 57	13°18'26	15°15	4°11	21° 1	2° 4	22° 5	4°27	9°22	29°18	25°13	1°D59	0°37	12°26	23° 6	M 6
T 7	21 1 54	14°16'02	27° 9	5°44	20°47	2°43	22°17	4°30	9°23	29°20	25°13	2° 0	0°34	12°33	23°14	T 7
W 8	21 5 50	15°13'39	8♐58	7°15	20°36	3°22	22°28	4°32	9°23	29°22	25°13	2° 1	0°31	12°40	23°23	W 8
T 9	21 9 47	16°11'16	20°47	8°45	20°27	4° 2	22°40	4°36	9°23	29°25	25°12	2° 3	0°28	12°46	23°31	T 9
F 10	21 13 43	17° 8'55	2♑41	10°14	20°21	4°41	22°51	4°39	9°23	29°27	25°12	2°R 3	0°25	12°53	23°39	F 10
S 11	21 17 40	18° 6'35	14°44	11°40	20°17	5°20	23° 3	4°42	9°24	29°29	25°12	2° 2	0°22	12°59	23°47	S 11
S 12	21 21 37	19° 4'16	26°59	13° 6	20°D15	5°59	23°15	4°45	9°24	29°31	25°11	2° 0	0°18	13° 6	23°55	S 12
M13	21 25 33	20° 1'58	9♒29	14°29	20°16	6°38	23°26	4°48	9°24	29°33	25°11	1°55	0°15	13°13	24° 4	M13
T 14	21 29 30	20°59'41	22°13	15°51	20°19	7°17	23°38	4°52	9°24	29°36	25°11	1°48	0°12	13°19	24°12	T 14
W15	21 33 26	21°57'26	5♓14	17°11	20°24	7°56	23°50	4°55	9°R24	29°38	25°10	1°40	0° 9	13°26	24°20	W15
T 16	21 37 23	22°55'12	18°29	18°29	20°31	8°35	24° 2	4°59	9°24	29°40	25°10	1°31	0° 6	13°33	24°28	T 16
F 17	21 41 19	23°53'00	1♈57	19°46	20°41	9°13	24°14	5° 3	9°24	29°42	25° 9	1°23	0° 2	13°39	24°37	F 17
S 18	21 45 16	24°50'50	15°37	21° 1	20°52	9°52	24°26	5° 6	9°24	29°44	25° 9	1°16	29♐59	13°46	24°45	S 18
S 19	21 49 12	25°48'41	29°26	22°13	21° 6	10°31	24°38	5°10	9°24	29°47	25° 8	1°11	29°56	13°53	24°53	S 19
M20	21 53 9	26°46'34	13♉22	23°24	21°22	11° 9	24°50	5°14	9°23	29°49	25° 8	1° 8	29°53	13°59	25° 1	M20
T 21	21 57 6	27°44'29	27°26	24°33	21°40	11°48	25° 2	5°18	9°23	29°51	25° 7	1°D 7	29°50	14° 6	25°10	T 21
W22	22 1 2	28°42'26	11♊34	25°39	21°59	12°26	25°14	5°22	9°23	29°53	25° 7	1° 8	29°47	14°13	25°18	W22
T 23	22 4 59	29°40'25	25°47	26°44	22°21	13° 5	25°27	5°26	9°22	29°56	25° 6	1°R 8	29°43	14°19	25°26	T 23
F 24	22 8 55	0♍38'26	10♋ 2	27°46	22°44	13°43	25°39	5°31	9°22	29°58	25° 6	1° 8	29°40	14°26	25°34	F 24
S 25	22 12 52	1°36'29	24°18	28°45	23° 9	14°21	25°51	5°35	9°22	29°59	25° 5	1° 6	29°37	14°33	25°43	S 25
S 26	22 16 48	2°34'33	8♌29	29°42	23°35	14°59	26° 4	5°39	9°21	0♍ 2	25° 4	1° 1	29°34	14°39	25°51	S 26
M27	22 20 45	3°32'40	22°34	0♎36	24° 3	15°37	26°16	5°44	9°20	0° 4	25° 4	0°54	29°31	14°46	25°59	M27
T 28	22 24 41	4°30'48	6♍25	1°27	24°33	16°15	26°28	5°48	9°20	0° 7	25° 3	0°45	29°27	14°53	26° 7	T 28
W29	22 28 38	5°28'57	20° 1	2°14	25° 4	16°53	26°41	5°53	9°19	0° 9	25° 2	0°34	29°24	14°59	26°16	W29
T 30	22 32 35	6°27'08	3♎18	2°59	25°37	17°31	26°53	5°58	9°18	0°11	25° 2	0°23	29°21	15° 6	26°24	T 30
F 31	22 36 31	7♍25'21	16♎14	3♎40	26♋10	18♋ 9	27♍ 6	6♏ 2	9♉18	0♍13	25♈ 1	0♑13	29♐18	15♐12	26♌32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n10	2n39	4s52	13n58	1n11	14n31	7s 9	23n52	0n23	4n35	1n10	10s45	2n21	14n12	0s27	12n26	0n40	6s 6	17s 3	23s28	23s29	23s56	8n49	5s33
T 2	17 55	2s49	5 9	13 18	1 5	14 33	7 11	23 53	0 24	4 30	1 10	10 46	2 21	14 13	0 27	12 25	0 40	6 7	17 3	23 28	23 29	23 56	8 47	5 33
F 3	17 40	8 0	5 9	12 37	0 58	14 35	7 12	23 54	0 25	4 26	1 10	10 47	2 20	14 13	0 27	12 24	0 40	6 7	17 3	23 28	23 29	23 56	8 44	5 32
S 4	17 24	12 42	4 55	11 57	0 51	14 38	7 12	23 55	0 25	4 21	1 9	10 48	2 20	14 13	0 27	12 24	0 40	6 7	17 4	23 29	23 29	23 56	8 42	5 32
S 5	17 8	16 46	4 26	11 16	0 44	14 41	7 12	23 55	0 26	4 17	1 9	10 49	2 20	14 13	0 27	12 23	0 40	6 8	17 4	23 29	23 29	23 56	8 39	5 32
M 6	16 52	20 3	3 47	10 34	0 37	14 44	7 11	23 55	0 27	4 12	1 9	10 50	2 20	14 13	0 27	12 22	0 40	6 8	17 4	23 29	23 29	23 56	8 37	5 32
T 7	16 35	22 27	2 58	9 53	0 30	14 48	7 10	23 55	0 28	4 8	1 9	10 51	2 19	14 13	0 27	12 21	0 40	6 9	17 5	23 29	23 29	23 56	8 35	5 32
W 8	16 18	23 51	2 2	9 12	0 22	14 51	7 8	23 55	0 28	4 3	1 9	10 53	2 19	14 13	0 27	12 21	0 40	6 9	17 5	23 29	23 29	23 56	8 32	5 31
T 9	16 1	24 11	1 1	8 31	0 14	14 55	7 6	23 55	0 29	3 58	1 9	10 54	2 19	14 13	0 27	12 20	0 40	6 9	17 5	23 29	23 29	23 56	8 30	5 31
F 10	15 44	23 24	0n 3	7 50	0 5	14 59	7 3	23 54	0 30	3 54	1 9	10 55	2 19	14 14	0 27	12 19	0 40	6 10	17 6	23 29	23 29	23 56	8 27	5 31
S 11	15 26	21 33	1 8	7 9	0s 3	15 3	6 59	23 54	0 31	3 49	1 9	10 56	2 18	14 14	0 27	12 18	0 40	6 10	17 6	23 29	23 29	23 56	8 25	5 31
S 12	15 8	18 40	2 11	6 29	0 12	15 7	6 55	23 53	0 31	3 44	1 9	10 58	2 18	14 14	0 27	12 17	0 40	6 11	17 6	23 29	23 29	23 56	8 22	5 31
M13	14 50	14 54	3 8	5 48	0 21	15 11	6 51	23 51	0 32	3 40	1 9	10 59	2 18	14 14	0 27	12 17	0 40	6 11	17 7	23 29	23 29	23 56	8 20	5 30
T 14	14 32	10 24	3 57	5 8	0 30	15 15	6 47	23 50	0 33	3 35	1 9	11 0	2 18	14 14	0 27	12 16	0 40	6 11	17 7	23 29	23 29	23 56	8 17	5 30
W15	14 13	5 21	4 35	4 29	0 39	15 19	6 42	23 49	0 34	3 30	1 8	11 2	2 17	14 14	0 27	12 15	0 40	6 12	17 7	23 29	23 29	23 56	8 15	5 30
T 16	13 54	0n 1	4 59	3 50	0 48	15 23	6 36	23 47	0 34	3 25	1 8	11 3	2 17	14 14	0 27	12 14	0 40	6 12	17 8	23 29	23 29	23 56	8 12	5 30
F 17	13 35	5 28	5 6	3 11	0 57	15 27	6 31	23 45	0 35	3 20	1 8	11 5	2 17	14 14	0 27	12 14	0 40	6 13	17 8	23 29	23 29	23 56	8 10	5 30
S 18	13 16	10 43	4 57	2 33	1 7	15 31	6 25	23 43	0 36	3 16	1 8	11 6	2 17	14 14	0 27	12 13	0 40	6 13	17 8	23 29	23 29	23 56	8 7	5 30
S 19	12 57	15 30	4 30	1 56	1 16	15 35	6 19	23 41	0 37	3 11	1 8	11 8	2 17	14 13	0 27	12 12	0 40	6 14	17 8	23 29	23 29	23 56	8 4	5 30
M20	12 37	19 30	3 47	1 19	1 26	15 39	6 13	23 39	0 37	3 6	1 8	11 9	2 16	14 13	0 27	12 11	0 40	6 14	17 9	23 29	23 29	23 56	8 2	5 29
T 21	12 17	22 24	2 51	0 43	1 35	15 42	6 7	23 36	0 38	3 1	1 8	11 11	2 16	14 13	0 27	12 11	0 40	6 15	17 9	23 29	23 29	23 56	7 59	5 29
W22	11 57	23 55	1 43	0 8	1 45	15 46	6 0	23 33	0 39	2 56	1 8	11 12	2 16	14 13	0 27	12 10	0 40	6 15	17 9	23 29	23 29	23 56	7 57	5 29
T 23	11 37	23 54	0 29	0s27	1 54	15 49	5 54	23 30	0 40	2 51	1 8	11 14	2 16	14 13	0 27	12 9	0 40	6 15	17 10	23 29	23 29	23 56	7 54	5 29
F 24	11 16	22 19	0s47	1 0	2 4	15 52	5 47	23 27	0 41	2 46	1 8	11 16	2 15	14 13	0 27	12 8	0 40	6 16	17 10	23 29	23 29	23 56	7 51	5 29
S 25	10 56	19 20	2 1	1 32	2 13	15 55	5 40	23 24	0 41	2 41	1 8	11 17	2 15	14 13	0 27	12 7	0 40	6 16	17 10	23 29	23 29	23 56	7 49	5 29
S 26	10 35	15 11	3 6	2 4	2 23	15 57	5 33	23 21	0 42	2 36	1 8	11 19	2 15	14 13	0 27	12 7	0 40	6 17	17 10	23 29	23 29	23 55	7 46	5 29
M27	10 14	10 16	3 59	2 34	2 32	16 0	5 26	23 17	0 43	2 31	1 8	11 20	2 15	14 12	0 27	12 6	0 40	6 17	17 11	23 29	23 29	23 55	7 43	5 29
T 28	9 53	4 53	4 37	3 2	2 41	16 2	5 19	23 13	0 44	2 26	1 8	11 22	2 15	14 12	0 27	12 5	0 40	6 18	17 11	23 29	23 29	23 55	7 41	5 29
W29	9 31	0s36	4 58	3 30	2 50	16 4	5 11	23 9	0 44	2 21	1 8	11 24	2 14	14 12	0 27	12 4	0 40	6 18	17 11	23 29	23 29	23 55	7 38	5 29
T 30	9 10	5 56	5 3	3 55	2 59	16 5	5 4	23 5	0 45	2 16	1 8	11 26	2 14	14 12	0 27	12 4	0 40	6 19	17 12	23 29	23 29	23 55	7 35	5 29
F 31	8n48	10s53	4s52	4s19	3s 7	16n 6	4s57	23n 1	0n46	2n11	1n 7	11s27	2n14	14n11	0s27	12n 3	0n40	6s19	17s12	23s29	23s29	23s55	7n33	5s29

Julian Day Number = 2306025.5, Delta T = 86.73 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'47, Lahiri = 18°17'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

SEPTEMBER 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 28	8♍23'36	28♎50	4♎16	26♋46	18♋47	27♍19	6♏ 7	9°R17	0♍15	25°R 0	0°R 5	29♐15	15♐19	26♌40	S 1
S 2	22 44 24	9°21'52	11♏ 8	4°49	27°22	19°24	27°31	6°12	9♉16	0°18	25♈ 0	29♐59	29°12	15°26	26°48	S 2
M 3	22 48 21	10°20'10	23°11	5°17	28° 0	20° 2	27°44	6°17	9°15	0°20	24°59	29°55	29° 8	15°32	26°57	M 3
T 4	22 52 17	11°18'29	5♐ 5	5°41	28°39	20°39	27°57	6°22	9°14	0°22	24°58	29°54	29° 5	15°39	27° 5	T 4
W 5	22 56 14	12°16'50	16°54	5°59	29°19	21°17	28° 9	6°27	9°13	0°24	24°57	29°D54	29° 2	15°46	27°13	W 5
T 6	23 0 10	13°15'12	28°43	6°12	29°59	21°54	28°22	6°32	9°12	0°26	24°57	29°R54	28°59	15°52	27°21	T 6
F 7	23 4 7	14°13'36	10♑39	6°19	0♌42	22°31	28°35	6°37	9°11	0°29	24°56	29°54	28°56	15°59	27°29	F 7
S 8	23 8 4	15°12'02	22°45	6°R20	1°25	23° 8	28°47	6°43	9°10	0°31	24°55	29°52	28°53	16° 6	27°37	S 8
S 9	23 12 0	16°10'30	5♒ 8	6°15	2° 9	23°46	29° 0	6°48	9° 9	0°33	24°54	29°47	28°49	16°12	27°45	S 9
M10	23 15 57	17° 8'59	17°48	6° 3	2°54	24°23	29°13	6°53	9° 7	0°35	24°53	29°40	28°46	16°19	27°53	M10
T 11	23 19 53	18° 7'29	0♓49	5°44	3°40	25° 0	29°26	6°59	9° 6	0°37	24°52	29°30	28°43	16°26	28° 1	T 11
W12	23 23 50	19° 6'02	14°10	5°19	4°27	25°36	29°39	7° 4	9° 5	0°39	24°51	29°19	28°40	16°32	28° 9	W12
T 13	23 27 46	20° 4'37	27°49	4°46	5°15	26°13	29°52	7°10	9° 4	0°42	24°51	29° 7	28°37	16°39	28°17	T 13
F 14	23 31 43	21° 3'13	11♈44	4° 7	6° 3	26°50	0♎ 5	7°16	9° 2	0°44	24°50	28°55	28°33	16°46	28°25	F 14
S 15	23 35 39	22° 1'52	25°49	3°21	6°52	27°27	0°17	7°21	9° 1	0°46	24°49	28°45	28°30	16°52	28°33	S 15
S 16	23 39 36	23° 0'33	10♉ 0	2°29	7°43	28° 3	0°30	7°27	8°59	0°48	24°48	28°37	28°27	16°59	28°41	S 16
M17	23 43 32	23°59'16	24°13	1°32	8°33	28°40	0°43	7°33	8°58	0°50	24°47	28°33	28°24	17° 5	28°49	M17
T 18	23 47 29	24°58'01	8♊25	0°30	9°25	29°16	0°56	7°39	8°56	0°52	24°46	28°30	28°21	17°12	28°57	T 18
W19	23 51 26	25°56'49	22°33	29♍25	10°17	29°52	1° 9	7°45	8°55	0°54	24°45	28°30	28°18	17°19	29° 4	W19
T 20	23 55 22	26°55'39	6♋38	28°19	11°10	0♌29	1°22	7°51	8°53	0°56	24°44	28°30	28°14	17°25	29°12	T 20
F 21	23 59 19	27°54'31	20°37	27°13	12° 4	1° 5	1°35	7°57	8°51	0°58	24°43	28°29	28°11	17°32	29°20	F 21
S 22	0 3 15	28°53'26	4♌31	26° 8	12°58	1°41	1°48	8° 3	8°50	1° 0	24°42	28°26	28° 8	17°39	29°28	S 22
S 23	0 7 12	29°52'23	18°18	25° 7	13°53	2°17	2° 1	8° 9	8°48	1° 2	24°41	28°20	28° 5	17°45	29°35	S 23
M24	0 11 8	0♎51'22	1♍56	24°10	14°48	2°53	2°14	8°15	8°46	1° 4	24°40	28°11	28° 2	17°52	29°43	M24
T 25	0 15 5	1°50'23	15°24	23°20	15°44	3°28	2°27	8°21	8°44	1° 6	24°39	28° 0	27°59	17°59	29°50	T 25
W26	0 19 1	2°49'27	28°40	22°38	16°41	4° 4	2°40	8°27	8°42	1° 8	24°38	27°47	27°55	18° 5	29°58	W26
T 27	0 22 58	3°48'32	11♎40	22° 5	17°38	4°40	2°53	8°34	8°40	1°10	24°37	27°34	27°52	18°12	0♍ 5	T 27
F 28	0 26 55	4°47'40	24°24	21°42	18°35	5°15	3° 6	8°40	8°39	1°12	24°36	27°22	27°49	18°19	0°13	F 28
S 29	0 30 51	5°46'49	6♏52	21°29	19°33	5°51	3°19	8°46	8°37	1°14	24°35	27°11	27°46	18°25	0°20	S 29
S 30	0 34 48	6♎46'01	19♏ 5	21°D27	20♌32	6♌26	3♎32	8♏53	8♉35	1♍16	24♈34	27♐ 3	27♐43	18♐32	0♍28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n26	15s13	4s26	4s41	3s15	16n 7	4s49	22n57	0n47	2n 6	1n 7	11s29	2n14	14n11	0s27	12n 2	0n40	6s20	17s12	23s29	23s29	23s55	7n30	5s29
S 2	8 5	18 49	3 49	5 2	3 23	16 7	4 42	22 52	0 48	2 1	1 7	11 31	2 13	14 11	0 27	12 1	0 40	6 20	17 12	23 29	23 29	23 55	7 27	5 29
M 3	7 43	21 33	3 2	5 20	3 31	16 8	4 34	22 47	0 48	1 56	1 7	11 33	2 13	14 11	0 27	12 0	0 40	6 21	17 13	23 29	23 29	23 55	7 24	5 29
T 4	7 20	23 17	2 8	5 35	3 38	16 7	4 27	22 43	0 49	1 51	1 7	11 35	2 13	14 10	0 27	12 0	0 40	6 21	17 13	23 29	23 29	23 54	7 22	5 29
W 5	6 58	23 59	1 9	5 48	3 44	16 7	4 19	22 38	0 50	1 46	1 7	11 36	2 13	14 10	0 27	11 59	0 40	6 22	17 13	23 29	23 29	23 54	7 19	5 29
T 6	6 36	23 35	0 6	5 59	3 50	16 6	4 12	22 32	0 51	1 41	1 7	11 38	2 13	14 10	0 27	11 58	0 40	6 22	17 13	23 29	23 29	23 54	7 16	5 29
F 7	6 13	22 7	0n57	6 6	3 54	16 4	4 4	22 27	0 52	1 36	1 7	11 40	2 13	14 9	0 27	11 57	0 40	6 23	17 13	23 29	23 29	23 54	7 13	5 29
S 8	5 51	19 37	1 58	6 10	3 58	16 2	3 57	22 22	0 52	1 31	1 7	11 42	2 12	14 9	0 27	11 57	0 40	6 23	17 14	23 29	23 29	23 54	7 11	5 29
S 9	5 28	16 11	2 55	6 11	4 1	16 0	3 49	22 16	0 53	1 25	1 7	11 44	2 12	14 8	0 27	11 56	0 40	6 24	17 14	23 29	23 29	23 54	7 8	5 29
M10	5 5	11 57	3 45	6 8	4 3	15 57	3 42	22 10	0 54	1 20	1 7	11 46	2 12	14 8	0 27	11 55	0 40	6 24	17 14	23 29	23 29	23 54	7 5	5 29
T 11	4 42	7 5	4 24	6 1	4 4	15 54	3 34	22 5	0 55	1 15	1 7	11 48	2 12	14 8	0 27	11 54	0 40	6 25	17 14	23 29	23 29	23 53	7 2	5 29
W12	4 19	1 46	4 50	5 50	4 3	15 50	3 27	21 59	0 56	1 10	1 7	11 50	2 12	14 7	0 27	11 54	0 40	6 25	17 15	23 29	23 29	23 53	7 0	5 29
T 13	3 56	3n44	5 1	5 35	4 1	15 46	3 20	21 53	0 56	1 5	1 7	11 52	2 11	14 7	0 28	11 53	0 40	6 26	17 15	23 29	23 29	23 53	6 57	5 29
F 14	3 33	9 9	4 53	5 15	3 57	15 42	3 12	21 46	0 57	1 0	1 7	11 54	2 11	14 6	0 28	11 52	0 41	6 26	17 15	23 29	23 29	23 53	6 54	5 29
S 15	3 10	14 9	4 28	4 52	3 51	15 37	3 5	21 40	0 58	0 55	1 7	11 56	2 11	14 6	0 28	11 51	0 41	6 27	17 15	23 29	23 29	23 53	6 51	5 29
S 16	2 47	18 25	3 47	4 24	3 43	15 31	2 58	21 33	0 59	0 49	1 7	11 58	2 11	14 5	0 28	11 51	0 41	6 27	17 15	23 29	23 29	23 52	6 49	5 29
M17	2 24	21 37	2 51	3 52	3 34	15 25	2 50	21 27	1 0	0 44	1 7	12 0	2 11	14 5	0 28	11 50	0 41	6 28	17 15	23 29	23 29	23 52	6 46	5 29
T 18	2 0	23 28	1 44	3 17	3 22	15 19	2 43	21 20	1 1	0 39	1 7	12 2	2 11	14 4	0 28	11 49	0 41	6 28	17 16	23 29	23 29	23 52	6 43	5 29
W19	1 37	23 48	0 31	2 39	3 9	15 12	2 36	21 13	1 1	0 34	1 7	12 4	2 10	14 4	0 28	11 49	0 41	6 29	17 16	23 29	23 29	23 52	6 40	5 29
T 20	1 13	22 37	0s43	1 59	2 53	15 4	2 29	21 6	1 2	0 29	1 7	12 6	2 10	14 3	0 28	11 48	0 41	6 29	17 16	23 29	23 29	23 52	6 37	5 30
F 21	0 50	20 2	1 54	1 17	2 37	14 57	2 22	20 59	1 3	0 24	1 7	12 8	2 10	14 3	0 28	11 47	0 41	6 30	17 16	23 29	23 29	23 51	6 35	5 30
S 22	0 27	16 18	2 58	0 35	2 18	14 48	2 15	20 52	1 4	0 18	1 7	12 10	2 10	14 2	0 28	11 46	0 41	6 30	17 16	23 29	23 29	23 51	6 32	5 30
S 23	0 3	11 43	3 51	0n 7	1 59	14 39	2 8	20 45	1 5	0 13	1 7	12 12	2 10	14 2	0 28	11 46	0 41	6 31	17 16	23 29	23 29	23 51	6 29	5 30
M24	0s20	6 36	4 30	0 48	1 39	14 30	2 1	20 37	1 6	0 8	1 7	12 14	2 10	14 1	0 28	11 45	0 41	6 31	17 17	23 29	23 29	23 51	6 26	5 30
T 25	0 44	1 15	4 53	1 26	1 19	14 20	1 54	20 30	1 6	0 3	1 7	12 17	2 9	14 0	0 28	11 44	0 41	6 32	17 17	23 29	23 29	23 50	6 24	5 30
W26	1 8	4s 3	5 0	2 2	0 59	14 10	1 48	20 22	1 7	0s 2	1 7	12 19	2 9	14 0	0 28	11 44	0 41	6 32	17 17	23 28	23 28	23 50	6 21	5 30
T 27	1 31	9 5	4 51	2 33	0 39	13 59	1 41	20 14	1 8	0 7	1 7	12 21	2 9	13 59	0 28	11 43	0 41	6 33	17 17	23 28	23 28	23 50	6 18	5 31
F 28	1 55	13 38	4 28	3 0	0 19	13 48	1 34	20 7	1 9	0 13	1 7	12 23	2 9	13 59	0 28	11 42	0 41	6 33	17 17	23 28	23 28	23 49	6 15	5 31
S 29	2 18	17 29	3 52	3 22	0 1	13 36	1 28	19 59	1 10	0 18	1 7	12 25	2 9	13 58	0 28	11 42	0 41	6 33	17 17	23 28	23 28	23 49	6 13	5 31
S 30	2s42	20s31	3s 6	3n39	0n17	13n23	1s21	19n51	1n11	0s23	1n 7	12s27	2n 9	13n57	0s28	11n41	0n41	6s34	17s17	23s27	23s28	23s49	6n10	5s31

Julian Day Number = 2306056.5, Delta T = 86.62 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'52, Lahiri = 18°17'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

OCTOBER 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 38 44	7♎45'14	1♐ 6	21♍35	21♌31	7♌ 1	3♎45	8♏59	8°R33	1♍18	24°R32	26°R58	27♐39	18♐39	0♍35	M 1
T 2	0 42 41	8°44'29	12°58	21°54	22°30	7°36	3°58	9° 6	8♉31	1°20	24♈31	26♐55	27°36	18°45	0°42	T 2
W 3	0 46 37	9°43'46	24°45	22°23	23°30	8°11	4°11	9°12	8°28	1°21	24°30	26°D55	27°33	18°52	0°49	W 3
T 4	0 50 34	10°43'05	6♑34	23° 1	24°30	8°46	4°24	9°19	8°26	1°23	24°29	26°R55	27°30	18°58	0°57	T 4
F 5	0 54 30	11°42'26	18°28	23°47	25°31	9°21	4°37	9°25	8°24	1°25	24°28	26°55	27°27	19° 5	1° 4	F 5
S 6	0 58 27	12°41'48	0♒35	24°42	26°32	9°56	4°50	9°32	8°22	1°27	24°27	26°53	27°24	19°12	1°11	S 6
S 7	1 2 24	13°41'13	12°58	25°44	27°34	10°30	5° 3	9°38	8°20	1°29	24°26	26°50	27°20	19°18	1°18	S 7
M 8	1 6 20	14°40'39	25°43	26°53	28°35	11° 5	5°16	9°45	8°18	1°30	24°25	26°44	27°17	19°25	1°25	M 8
T 9	1 10 17	15°40'07	8♓52	28° 7	29°38	11°39	5°29	9°52	8°15	1°32	24°24	26°35	27°14	19°32	1°32	T 9
W10	1 14 13	16°39'36	22°26	29°26	0♍40	12°14	5°42	9°59	8°13	1°34	24°23	26°25	27°11	19°38	1°38	W10
T 11	1 18 10	17°39'08	6♈24	0♎49	1°43	12°48	5°54	10° 5	8°11	1°36	24°21	26°14	27° 8	19°45	1°45	T 11
F 12	1 22 6	18°38'41	20°41	2°16	2°46	13°22	6° 7	10°12	8° 9	1°37	24°20	26° 3	27° 4	19°52	1°52	F 12
S 13	1 26 3	19°38'17	5♉12	3°46	3°50	13°56	6°20	10°19	8° 6	1°39	24°19	25°54	27° 1	19°58	1°59	S 13
S 14	1 29 59	20°37'55	19°50	5°18	4°54	14°30	6°33	10°26	8° 4	1°40	24°18	25°47	26°58	20° 5	2° 5	S 14
M15	1 33 56	21°37'35	4♊27	6°53	5°58	15° 4	6°46	10°33	8° 2	1°42	24°17	25°43	26°55	20°12	2°12	M15
T 16	1 37 52	22°37'17	18°59	8°29	7° 3	15°37	6°58	10°40	7°59	1°44	24°16	25°D41	26°52	20°18	2°18	T 16
W17	1 41 49	23°37'02	3♋20	10° 7	8° 7	16°11	7°11	10°47	7°57	1°45	24°15	25°41	26°49	20°25	2°25	W17
T 18	1 45 46	24°36'49	17°29	11°45	9°12	16°44	7°24	10°54	7°55	1°47	24°13	25°41	26°45	20°31	2°31	T 18
F 19	1 49 42	25°36'38	1♌24	13°24	10°18	17°18	7°37	11° 1	7°52	1°48	24°12	25°R41	26°42	20°38	2°37	F 19
S 20	1 53 39	26°36'29	15° 7	15° 4	11°24	17°51	7°49	11° 8	7°50	1°50	24°11	25°40	26°39	20°45	2°44	S 20
S 21	1 57 35	27°36'23	28°36	16°44	12°29	18°24	8° 2	11°15	7°47	1°51	24°10	25°36	26°36	20°51	2°50	S 21
M22	2 1 32	28°36'19	11♍53	18°25	13°36	18°57	8°15	11°22	7°45	1°52	24° 9	25°29	26°33	20°58	2°56	M22
T 23	2 5 28	29°36'17	24°58	20° 5	14°42	19°30	8°27	11°29	7°42	1°54	24° 8	25°21	26°30	21° 5	3° 2	T 23
W24	2 9 25	0♏36'17	7♎51	21°45	15°49	20° 2	8°40	11°36	7°40	1°55	24° 7	25°11	26°26	21°11	3° 8	W24
T 25	2 13 21	1°36'19	20°31	23°26	16°56	20°35	8°52	11°43	7°38	1°56	24° 5	25° 1	26°23	21°18	3°14	T 25
F 26	2 17 18	2°36'23	2♏59	25° 6	18° 3	21° 7	9° 5	11°50	7°35	1°58	24° 4	24°51	26°20	21°25	3°19	F 26
S 27	2 21 15	3°36'29	15°15	26°46	19°10	21°39	9°17	11°57	7°33	1°59	24° 3	24°43	26°17	21°31	3°25	S 27
S 28	2 25 11	4°36'37	27°20	28°25	20°18	22°12	9°29	12° 4	7°30	2° 0	24° 2	24°37	26°14	21°38	3°31	S 28
M29	2 29 8	5°36'46	9♐16	0♏ 4	21°26	22°44	9°42	12°11	7°28	2° 2	24° 1	24°33	26°10	21°45	3°36	M29
T 30	2 33 4	6°36'58	21° 5	1°43	22°33	23°15	9°54	12°18	7°25	2° 3	24° 0	24°D32	26° 7	21°51	3°42	T 30
W31	2 37 1	7♏37'10	2♑51	3♏22	23♍42	23♌47	10♎ 6	12♏26	7♉23	2♍ 4	23♈59	24♐32	26♐ 4	21♐58	3♍47	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s 5	22s35	2s12	3n51	0n33	13n11	1s15	19n43	1n12	0s28	1n 7	12s29	2n 9	13n57	0s28	11n40	0n41	6s34	17s17	23s27	23s28	23s49	6n 7	5s31
T 2	3 28	23 37	1 13	3 57	0 48	12 58	1 9	19 35	1 12	0 33	1 7	12 32	2 9	13 56	0 28	11 40	0 41	6 35	17 17	23 27	23 28	23 48	6 5	5 32
W 3	3 52	23 35	0 11	3 58	1 1	12 44	1 2	19 26	1 13	0 38	1 7	12 34	2 8	13 55	0 28	11 39	0 41	6 35	17 18	23 27	23 28	23 48	6 2	5 32
T 4	4 15	22 29	0n51	3 54	1 13	12 30	0 56	19 18	1 14	0 44	1 7	12 36	2 8	13 55	0 28	11 38	0 41	6 36	17 18	23 27	23 28	23 48	5 59	5 32
F 5	4 38	20 22	1 52	3 45	1 24	12 15	0 50	19 10	1 15	0 49	1 7	12 38	2 8	13 54	0 28	11 38	0 41	6 36	17 18	23 27	23 28	23 47	5 56	5 32
S 6	5 2	17 19	2 49	3 32	1 33	12 0	0 44	19 1	1 16	0 54	1 7	12 40	2 8	13 53	0 28	11 37	0 41	6 37	17 18	23 27	23 28	23 47	5 54	5 32
S 7	5 25	13 27	3 39	3 14	1 41	11 45	0 38	18 52	1 17	0 59	1 7	12 43	2 8	13 53	0 28	11 37	0 41	6 37	17 18	23 27	23 28	23 47	5 51	5 33
M 8	5 48	8 54	4 20	2 53	1 47	11 29	0 33	18 44	1 18	1 4	1 7	12 45	2 8	13 52	0 28	11 36	0 41	6 38	17 18	23 27	23 28	23 46	5 48	5 33
T 9	6 11	3 48	4 48	2 28	1 52	11 12	0 27	18 35	1 19	1 9	1 7	12 47	2 8	13 51	0 28	11 35	0 41	6 38	17 18	23 27	23 28	23 46	5 46	5 33
W10	6 34	1n37	5 2	2 0	1 56	10 56	0 21	18 26	1 20	1 14	1 7	12 49	2 8	13 50	0 28	11 35	0 41	6 38	17 18	23 27	23 28	23 46	5 43	5 33
T 11	6 57	7 6	4 58	1 29	1 59	10 38	0 16	18 18	1 20	1 19	1 7	12 51	2 8	13 50	0 28	11 34	0 41	6 39	17 18	23 26	23 28	23 45	5 40	5 34
F 12	7 19	12 21	4 36	0 56	2 1	10 21	0 10	18 9	1 21	1 24	1 7	12 54	2 7	13 49	0 28	11 34	0 41	6 39	17 18	23 26	23 28	23 45	5 38	5 34
S 13	7 42	16 58	3 55	0 21	2 1	10 3	0 5	18 0	1 22	1 29	1 7	12 56	2 7	13 48	0 28	11 33	0 41	6 40	17 18	23 26	23 27	23 45	5 35	5 34
S 14	8 4	20 36	2 59	0s16	2 1	9 44	0n 0	17 51	1 23	1 34	1 8	12 58	2 7	13 47	0 28	11 33	0 41	6 40	17 18	23 25	23 27	23 44	5 33	5 35
M15	8 27	22 54	1 51	0 54	2 0	9 25	0 5	17 42	1 24	1 39	1 8	13 0	2 7	13 47	0 28	11 32	0 41	6 41	17 18	23 25	23 27	23 44	5 30	5 35
T 16	8 49	23 38	0 36	1 33	1 59	9 6	0 10	17 32	1 25	1 44	1 8	13 3	2 7	13 46	0 28	11 32	0 41	6 41	17 18	23 25	23 27	23 43	5 27	5 35
W17	9 11	22 46	0s41	2 14	1 56	8 47	0 15	17 23	1 26	1 49	1 8	13 5	2 7	13 45	0 28	11 31	0 41	6 41	17 18	23 25	23 27	23 43	5 25	5 35
T 18	9 33	20 28	1 54	2 55	1 54	8 27	0 20	17 14	1 27	1 54	1 8	13 7	2 7	13 44	0 28	11 31	0 41	6 42	17 18	23 25	23 27	23 43	5 22	5 36
F 19	9 55	16 59	2 59	3 37	1 50	8 6	0 25	17 5	1 28	1 59	1 8	13 9	2 7	13 44	0 28	11 30	0 41	6 42	17 18	23 25	23 27	23 42	5 20	5 36
S 20	10 17	12 38	3 53	4 19	1 46	7 46	0 29	16 55	1 29	2 4	1 8	13 11	2 7	13 43	0 28	11 29	0 41	6 42	17 18	23 25	23 27	23 42	5 17	5 36
S 21	10 39	7 43	4 33	5 1	1 42	7 25	0 34	16 46	1 30	2 9	1 8	13 14	2 7	13 42	0 28	11 29	0 41	6 43	17 18	23 25	23 27	23 41	5 15	5 37
M22	11 0	2 32	4 57	5 44	1 37	7 3	0 38	16 37	1 31	2 14	1 8	13 16	2 7	13 41	0 28	11 29	0 41	6 43	17 18	23 25	23 27	23 41	5 12	5 37
T 23	11 21	2s40	5 5	6 27	1 32	6 41	0 43	16 27	1 32	2 19	1 8	13 18	2 7	13 41	0 28	11 28	0 41	6 44	17 18	23 25	23 27	23 41	5 10	5 37
W24	11 43	7 41	4 58	7 9	1 27	6 19	0 47	16 18	1 33	2 24	1 8	13 20	2 6	13 40	0 28	11 28	0 41	6 44	17 18	23 24	23 27	23 40	5 8	5 38
T 25	12 3	12 17	4 36	7 52	1 21	5 57	0 51	16 8	1 34	2 29	1 8	13 23	2 6	13 39	0 28	11 27	0 42	6 44	17 18	23 24	23 26	23 40	5 5	5 38
F 26	12 24	16 18	4 1	8 34	1 16	5 35	0 55	15 59	1 35	2 34	1 8	13 25	2 6	13 38	0 28	11 27	0 42	6 45	17 18	23 23	23 26	23 39	5 3	5 38
S 27	12 45	19 33	3 15	9 15	1 10	5 12	0 59	15 49	1 36	2 38	1 8	13 27	2 6	13 37	0 28	11 26	0 42	6 45	17 18	23 23	23 26	23 39	5 0	5 39
S 28	13 5	21 54	2 21	9 57	1 3	4 49	1 3	15 40	1 37	2 43	1 8	13 29	2 6	13 37	0 28	11 26	0 42	6 45	17 18	23 23	23 26	23 38	4 58	5 39
M29	13 25	23 14	1 22	10 38	0 57	4 25	1 6	15 30	1 38	2 48	1 8	13 31	2 6	13 36	0 28	11 25	0 42	6 46	17 17	23 23	23 26	23 38	4 56	5 40
T 30	13 45	23 30	0 19	11 18	0 51	4 2	1 10	15 21	1 39	2 53	1 9	13 34	2 6	13 35	0 28	11 25	0 42	6 46	17 17	23 23	23 26	23 37	4 53	5 40
W31	14s 5	22s43	0n45	11s58	0n44	3n38	1n13	15n11	1n40	2s58	1n 9	13s36	2n 6	13n34	0s28	11n25	0n42	6s46	17s17	23s23	23s26	23s37	4n51	5s40

Julian Day Number = 2306086.5, Delta T = 86.51 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°10'56, Lahiri = 18°17'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

NOVEMBER 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 57	8♏37'25	14♉38	5♏ 0	24♍50	24♌19	10♎19	12♏33	7°R20	2♍ 5	23°R58	24♐33	26♐ 1	22♐ 5	3♍52	T 1
F 2	2 44 54	9°37'41	26°31	6°38	25°59	24°50	10°31	12°40	7♉18	2° 6	23♈57	24°35	25°58	22°11	3°57	F 2
S 3	2 48 50	10°37'59	8♒35	8°15	27° 7	25°21	10°43	12°47	7°15	2° 7	23°55	24°R36	25°55	22°18	4° 3	S 3
S 4	2 52 47	11°38'18	20°56	9°52	28°16	25°52	10°55	12°54	7°13	2° 8	23°54	24°35	25°51	22°24	4° 8	S 4
M 5	2 56 44	12°38'38	3♓38	11°29	29°25	26°23	11° 7	13° 1	7°10	2° 9	23°53	24°33	25°48	22°31	4°13	M 5
T 6	3 0 40	13°39'00	16°45	13° 5	0♎35	26°54	11°19	13° 8	7° 8	2°10	23°52	24°29	25°45	22°38	4°17	T 6
W 7	3 4 37	14°39'23	0♈19	14°41	1°44	27°25	11°31	13°16	7° 5	2°11	23°51	24°23	25°42	22°44	4°22	W 7
T 8	3 8 33	15°39'48	14°22	16°17	2°54	27°55	11°43	13°23	7° 3	2°12	23°50	24°17	25°39	22°51	4°27	T 8
F 9	3 12 30	16°40'14	28°49	17°52	4° 3	28°25	11°54	13°30	7° 0	2°13	23°49	24°11	25°36	22°58	4°31	F 9
S 10	3 16 26	17°40'41	13♉36	19°28	5°13	28°55	12° 6	13°37	6°58	2°14	23°48	24° 6	25°32	23° 4	4°36	S 10
S 11	3 20 23	18°41'11	28°35	21° 2	6°23	29°25	12°18	13°44	6°56	2°15	23°47	24° 2	25°29	23°11	4°40	S 11
M12	3 24 19	19°41'42	13♊37	22°37	7°34	29°55	12°29	13°51	6°53	2°15	23°46	24° 0	25°26	23°18	4°45	M12
T 13	3 28 16	20°42'15	28°33	24°12	8°44	0♍24	12°41	13°58	6°51	2°16	23°45	24°D 0	25°23	23°24	4°49	T 13
W14	3 32 13	21°42'49	13♋16	25°46	9°54	0°54	12°52	14° 6	6°48	2°17	23°44	24° 1	25°20	23°31	4°53	W14
T 15	3 36 9	22°43'25	27°41	27°20	11° 5	1°23	13° 4	14°13	6°46	2°18	23°43	24° 2	25°16	23°38	4°57	T 15
F 16	3 40 6	23°44'03	11♌46	28°53	12°16	1°52	13°15	14°20	6°44	2°18	23°42	24° 3	25°13	23°44	5° 1	F 16
S 17	3 44 2	24°44'43	25°30	0♐27	13°27	2°21	13°26	14°27	6°41	2°19	23°41	24°R 4	25°10	23°51	5° 5	S 17
S 18	3 47 59	25°45'24	8♍54	2° 0	14°38	2°49	13°38	14°34	6°39	2°19	23°40	24° 3	25° 7	23°57	5° 8	S 18
M19	3 51 55	26°46'07	21°59	3°34	15°49	3°18	13°49	14°41	6°37	2°20	23°39	24° 1	25° 4	24° 4	5°12	M19
T 20	3 55 52	27°46'51	4♎48	5° 7	17° 0	3°46	14° 0	14°48	6°34	2°20	23°38	23°58	25° 1	24°11	5°16	T 20
W21	3 59 48	28°47'37	17°23	6°40	18°12	4°14	14°11	14°55	6°32	2°21	23°37	23°54	24°57	24°17	5°19	W21
T 22	4 3 45	29°48'25	29°46	8°13	19°23	4°42	14°22	15° 2	6°30	2°21	23°37	23°50	24°54	24°24	5°22	T 22
F 23	4 7 42	0♐49'14	11♏58	9°46	20°35	5° 9	14°33	15° 9	6°28	2°22	23°36	23°45	24°51	24°31	5°25	F 23
S 24	4 11 38	1°50'04	24° 1	11°18	21°47	5°36	14°43	15°16	6°25	2°22	23°35	23°42	24°48	24°37	5°29	S 24
S 25	4 15 35	2°50'56	5♐56	12°51	22°58	6° 4	14°54	15°23	6°23	2°23	23°34	23°40	24°45	24°44	5°32	S 25
M26	4 19 31	3°51'49	17°47	14°23	24°10	6°30	15° 5	15°30	6°21	2°23	23°33	23°39	24°41	24°51	5°34	M26
T 27	4 23 28	4°52'43	29°34	15°56	25°22	6°57	15°15	15°37	6°19	2°23	23°32	23°D39	24°38	24°57	5°37	T 27
W28	4 27 24	5°53'38	11♑20	17°28	26°34	7°23	15°25	15°44	6°17	2°23	23°31	23°40	24°35	25° 4	5°40	W28
T 29	4 31 21	6°54'34	23° 9	19° 0	27°47	7°49	15°36	15°51	6°15	2°24	23°31	23°41	24°32	25°11	5°42	T 29
F 30	4 35 18	7♐55'30	5♒ 3	20♐32	28♎59	8♍15	15♎46	15♏58	6♉13	2♍24	23♈30	23♐43	24♐29	25♐17	5♍45	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s24	20s55	1n47	12s38	0n38	3n14	1n17	15n 2	1n41	3s 2	1n 9	13s38	2n 6	13n33	0s28	11n24	0n42	6s46	17s17	23s23	23s26	23s36	4n49	5s41
F 2	14 44	18 12	2 45	13 16	0 31	2 49	1 20	14 52	1 42	3 7	1 9	13 40	2 6	13 32	0 28	11 24	0 42	6 47	17 17	23 23	23 26	23 36	4 47	5 41
S 3	15 3	14 40	3 36	13 54	0 24	2 25	1 23	14 42	1 43	3 12	1 9	13 42	2 6	13 32	0 28	11 24	0 42	6 47	17 17	23 23	23 26	23 35	4 44	5 42
S 4	15 21	10 27	4 19	14 32	0 18	2 0	1 26	14 33	1 44	3 16	1 9	13 45	2 6	13 31	0 28	11 23	0 42	6 47	17 17	23 23	23 26	23 35	4 42	5 42
M 5	15 40	5 41	4 50	15 8	0 11	1 35	1 29	14 23	1 45	3 21	1 9	13 47	2 6	13 30	0 28	11 23	0 42	6 48	17 17	23 23	23 25	23 34	4 40	5 42
T 6	15 58	0 31	5 8	15 44	0 4	1 10	1 32	14 14	1 46	3 25	1 9	13 49	2 6	13 29	0 28	11 23	0 42	6 48	17 17	23 23	23 25	23 34	4 38	5 43
W 7	16 16	4n51	5 9	16 19	0s 3	0 45	1 34	14 4	1 47	3 30	1 9	13 51	2 6	13 29	0 28	11 22	0 42	6 48	17 16	23 22	23 25	23 33	4 36	5 43
T 8	16 34	10 9	4 52	16 54	0 9	0 20	1 37	13 55	1 48	3 35	1 9	13 53	2 6	13 28	0 28	11 22	0 42	6 48	17 16	23 22	23 25	23 33	4 34	5 44
F 9	16 51	15 4	4 16	17 27	0 16	0s 6	1 39	13 45	1 49	3 39	1 9	13 55	2 6	13 27	0 28	11 22	0 42	6 49	17 16	23 22	23 25	23 32	4 32	5 44
S 10	17 8	19 10	3 23	18 0	0 23	0 31	1 42	13 36	1 50	3 44	1 10	13 58	2 6	13 26	0 27	11 21	0 42	6 49	17 16	23 22	23 25	23 32	4 30	5 45
S 11	17 25	22 4	2 14	18 31	0 29	0 57	1 44	13 26	1 51	3 48	1 10	14 0	2 6	13 25	0 27	11 21	0 42	6 49	17 16	23 21	23 25	23 31	4 28	5 45
M12	17 42	23 25	0 57	19 2	0 36	1 23	1 46	13 17	1 52	3 52	1 10	14 2	2 6	13 25	0 27	11 21	0 42	6 49	17 16	23 21	23 25	23 31	4 26	5 46
T 13	17 58	23 4	0s25	19 32	0 42	1 49	1 48	13 7	1 53	3 57	1 10	14 4	2 6	13 24	0 27	11 21	0 42	6 49	17 16	23 21	23 25	23 30	4 24	5 46
W14	18 14	21 7	1 44	20 1	0 48	2 15	1 50	12 58	1 54	4 1	1 10	14 6	2 6	13 23	0 27	11 20	0 42	6 49	17 15	23 21	23 24	23 30	4 22	5 46
T 15	18 30	17 49	2 54	20 29	0 54	2 41	1 52	12 48	1 56	4 6	1 10	14 8	2 6	13 22	0 27	11 20	0 42	6 50	17 15	23 21	23 24	23 29	4 20	5 47
F 16	18 45	13 34	3 53	20 56	1 0	3 7	1 53	12 39	1 57	4 10	1 10	14 10	2 6	13 22	0 27	11 20	0 42	6 50	17 15	23 21	23 24	23 29	4 18	5 47
S 17	19 0	8 43	4 36	21 22	1 6	3 33	1 55	12 30	1 58	4 14	1 10	14 12	2 6	13 21	0 27	11 20	0 42	6 50	17 15	23 21	23 24	23 28	4 16	5 48
S 18	19 14	3 34	5 3	21 47	1 12	3 59	1 56	12 20	1 59	4 18	1 11	14 14	2 6	13 20	0 27	11 20	0 42	6 50	17 15	23 21	23 24	23 27	4 14	5 48
M19	19 29	1s37	5 14	22 11	1 18	4 26	1 58	12 11	2 0	4 23	1 11	14 16	2 6	13 19	0 27	11 19	0 42	6 50	17 14	23 21	23 24	23 27	4 13	5 49
T 20	19 42	6 38	5 8	22 34	1 23	4 52	1 59	12 2	2 1	4 27	1 11	14 18	2 6	13 19	0 27	11 19	0 42	6 50	17 14	23 21	23 24	23 26	4 11	5 49
W21	19 56	11 16	4 48	22 55	1 28	5 18	2 0	11 53	2 2	4 31	1 11	14 20	2 6	13 18	0 27	11 19	0 42	6 51	17 14	23 21	23 24	23 26	4 9	5 50
T 22	20 9	15 23	4 15	23 16	1 34	5 44	2 1	11 44	2 4	4 35	1 11	14 22	2 6	13 17	0 27	11 19	0 42	6 51	17 14	23 21	23 24	23 25	4 8	5 50
F 23	20 22	18 47	3 30	23 35	1 38	6 10	2 2	11 35	2 5	4 39	1 11	14 24	2 6	13 16	0 27	11 19	0 42	6 51	17 13	23 21	23 23	23 24	4 6	5 51
S 24	20 34	21 20	2 36	23 53	1 43	6 36	2 3	11 26	2 6	4 43	1 11	14 26	2 6	13 16	0 27	11 19	0 43	6 51	17 13	23 20	23 23	23 24	4 4	5 51
S 25	20 46	22 56	1 36	24 10	1 48	7 2	2 4	11 17	2 7	4 47	1 11	14 28	2 6	13 15	0 27	11 19	0 43	6 51	17 13	23 20	23 23	23 23	4 3	5 52
M26	20 58	23 28	0 32	24 26	1 52	7 28	2 4	11 8	2 8	4 51	1 12	14 30	2 6	13 14	0 27	11 19	0 43	6 51	17 13	23 20	23 23	23 23	4 1	5 52
T 27	21 9	22 57	0n33	24 40	1 56	7 54	2 5	10 59	2 10	4 55	1 12	14 32	2 6	13 14	0 27	11 19	0 43	6 51	17 12	23 20	23 23	23 22	4 0	5 53
W28	21 20	21 24	1 36	24 53	2 0	8 20	2 5	10 50	2 11	4 59	1 12	14 34	2 6	13 13	0 27	11 19	0 43	6 51	17 12	23 20	23 23	23 21	3 59	5 53
T 29	21 31	18 56	2 36	25 5	2 3	8 45	2 5	10 42	2 12	5 3	1 12	14 36	2 6	13 12	0 27	11 18	0 43	6 51	17 12	23 20	23 23	23 21	3 57	5 54
F 30	21s41	15s39	3n30	25s15	2s 6	9s11	2n 6	10n33	2n13	5s 6	1n12	14s38	2n 6	13n12	0s27	11n18	0n43	6s51	17s12	23s20	23s23	23s20	3n56	5s54

Julian Day Number = 2306117.5, Delta T = 86.41 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'00, Lahiri = 18°18'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1601
geocentric

DECEMBER 1601 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 14	8♐56'28	17♒ 7	22♐ 4	0♏11	8♍41	15♎56	16♏ 4	6°R11	2♍24	23°R29	23♐44	24♐26	25♐24	5♍47	S 1
S 2	4 43 11	9°57'26	29°25	23°35	1°24	9° 6	16° 6	16°11	6♉ 9	2°24	23♈28	23°45	24°22	25°31	5°49	S 2
M 3	4 47 7	10°58'24	12♓ 2	25° 7	2°36	9°31	16°16	16°18	6° 7	2°24	23°28	23°R45	24°19	25°37	5°51	M 3
T 4	4 51 4	11°59'24	25° 2	26°37	3°49	9°56	16°26	16°25	6° 5	2°24	23°27	23°45	24°16	25°44	5°53	T 4
W 5	4 55 0	13° 0'24	8♈28	28° 8	5° 2	10°20	16°36	16°31	6° 3	2°R24	23°26	23°44	24°13	25°50	5°55	W 5
T 6	4 58 57	14° 1'24	22°21	29°38	6°14	10°44	16°45	16°38	6° 2	2°24	23°26	23°43	24°10	25°57	5°57	T 6
F 7	5 2 53	15° 2'25	6♉42	1♊ 7	7°27	11° 8	16°55	16°44	6° 0	2°24	23°25	23°42	24° 7	26° 4	5°59	F 7
S 8	5 6 50	16° 3'27	21°27	2°36	8°40	11°32	17° 4	16°51	5°58	2°24	23°24	23°41	24° 3	26°10	6° 0	S 8
S 9	5 10 47	17° 4'30	6♊31	4° 4	9°53	11°55	17°13	16°58	5°56	2°24	23°24	23°40	24° 0	26°17	6° 1	S 9
M10	5 14 43	18° 5'33	21°44	5°31	11° 6	12°18	17°23	17° 4	5°55	2°24	23°23	23°D40	23°57	26°24	6° 3	M10
T 11	5 18 40	19° 6'37	6♋57	6°57	12°19	12°40	17°32	17°10	5°53	2°23	23°22	23°40	23°54	26°30	6° 4	T 11
W12	5 22 36	20° 7'41	22° 0	8°22	13°32	13° 3	17°41	17°17	5°51	2°23	23°22	23°40	23°51	26°37	6° 5	W12
T 13	5 26 33	21° 8'46	6♌46	9°44	14°45	13°25	17°49	17°23	5°50	2°23	23°21	23°41	23°48	26°44	6° 6	T 13
F 14	5 30 29	22° 9'52	21° 9	11° 5	15°59	13°46	17°58	17°30	5°48	2°23	23°21	23°41	23°44	26°50	6° 7	F 14
S 15	5 34 26	23°10'59	5♍ 5	12°24	17°12	14° 8	18° 7	17°36	5°47	2°22	23°20	23°41	23°41	26°57	6° 7	S 15
S 16	5 38 22	24°12'06	18°35	13°40	18°25	14°28	18°15	17°42	5°45	2°22	23°20	23°41	23°38	27° 4	6° 8	S 16
M17	5 42 19	25°13'14	1♎41	14°52	19°39	14°49	18°24	17°48	5°44	2°22	23°19	23°41	23°35	27°10	6° 9	M17
T 18	5 46 16	26°14'23	14°24	16° 2	20°52	15° 9	18°32	17°54	5°43	2°21	23°19	23°41	23°32	27°17	6° 9	T 18
W19	5 50 12	27°15'33	26°50	17° 6	22° 6	15°29	18°40	18° 1	5°41	2°21	23°19	23°41	23°28	27°23	6° 9	W19
T 20	5 54 9	28°16'43	9♏ 1	18° 6	23°20	15°48	18°48	18° 7	5°40	2°20	23°18	23°42	23°25	27°30	6°R 9	T 20
F 21	5 58 5	29°17'54	21° 2	19° 0	24°33	16° 7	18°56	18°13	5°39	2°20	23°18	23°42	23°22	27°37	6° 9	F 21
S 22	6 2 2	0♑19'05	2♐55	19°48	25°47	16°26	19° 4	18°19	5°38	2°19	23°17	23°43	23°19	27°43	6° 9	S 22
S 23	6 5 58	1°20'16	14°44	20°29	27° 1	16°44	19°11	18°24	5°37	2°18	23°17	23°43	23°16	27°50	6° 9	S 23
M24	6 9 55	2°21'28	26°31	21° 1	28°14	17° 2	19°19	18°30	5°36	2°18	23°17	23°R44	23°13	27°57	6° 8	M24
T 25	6 13 51	3°22'40	8♑19	21°24	29°28	17°19	19°26	18°36	5°35	2°17	23°16	23°43	23° 9	28° 3	6° 8	T 25
W26	6 17 48	4°23'52	20° 9	21°37	0♐42	17°36	19°33	18°42	5°34	2°16	23°16	23°42	23° 6	28°10	6° 7	W26
T 27	6 21 45	5°25'04	2♒ 3	21°R39	1°56	17°52	19°40	18°47	5°33	2°16	23°16	23°41	23° 3	28°17	6° 7	T 27
F 28	6 25 41	6°26'15	14° 5	21°29	3°10	18° 8	19°47	18°53	5°32	2°15	23°16	23°39	23° 0	28°23	6° 6	F 28
S 29	6 29 38	7°27'27	26°15	21° 8	4°24	18°24	19°54	18°59	5°31	2°14	23°15	23°37	22°57	28°30	6° 5	S 29
S 30	6 33 34	8°28'38	8♓38	20°35	5°38	18°39	20° 1	19° 4	5°30	2°13	23°15	23°35	22°53	28°37	6° 4	S 30
M31	6 37 31	9♑29'49	21♓15	19♑51	6♐52	18♍53	20♎ 7	19♏ 9	5♉30	2♍13	23♈15	23♐33	22♐50	28♐43	6♍ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s50	11s41	4n15	25s24	2s 9	9s36	2n 6	10n25	2n15	5s10	1n12	14s40	2n 6	13n11	0s27	11n18	0n43	6s51	17s11	23s21	23s22	23s19	3n54	5s55
S 2	21 59	7 10	4 50	25 31	2 11	10 1	2 6	10 16	2 16	5 14	1 13	14 42	2 6	13 10	0 27	11 18	0 43	6 51	17 11	23 21	23 22	23 19	3 53	5 55
M 3	22 8	2 16	5 11	25 37	2 13	10 26	2 6	10 8	2 17	5 18	1 13	14 44	2 6	13 10	0 27	11 18	0 43	6 51	17 11	23 21	23 22	23 18	3 52	5 56
T 4	22 17	2n53	5 17	25 42	2 15	10 51	2 6	10 0	2 19	5 21	1 13	14 46	2 6	13 9	0 27	11 18	0 43	6 51	17 11	23 21	23 22	23 17	3 51	5 56
W 5	22 24	8 4	5 7	25 45	2 16	11 15	2 5	9 52	2 20	5 25	1 13	14 48	2 6	13 9	0 27	11 18	0 43	6 51	17 10	23 21	23 22	23 17	3 50	5 57
T 6	22 32	13 2	4 39	25 47	2 17	11 40	2 5	9 44	2 21	5 28	1 13	14 49	2 6	13 8	0 27	11 19	0 43	6 51	17 10	23 20	23 22	23 16	3 49	5 57
F 7	22 39	17 26	3 53	25 47	2 18	12 4	2 4	9 36	2 23	5 32	1 13	14 51	2 7	13 7	0 27	11 19	0 43	6 51	17 10	23 20	23 22	23 15	3 47	5 58
S 8	22 46	20 54	2 50	25 45	2 18	12 28	2 4	9 28	2 24	5 35	1 13	14 53	2 7	13 7	0 27	11 19	0 43	6 51	17 9	23 20	23 21	23 15	3 46	5 58
S 9	22 52	22 59	1 34	25 42	2 17	12 52	2 3	9 21	2 25	5 39	1 14	14 55	2 7	13 6	0 27	11 19	0 43	6 51	17 9	23 20	23 21	23 14	3 45	5 59
M10	22 57	23 25	0 11	25 38	2 16	13 15	2 3	9 13	2 27	5 42	1 14	14 56	2 7	13 6	0 27	11 19	0 43	6 51	17 9	23 20	23 21	23 13	3 44	5 59
T 11	23 3	22 5	1s13	25 32	2 14	13 38	2 2	9 6	2 28	5 45	1 14	14 58	2 7	13 5	0 27	11 19	0 43	6 51	17 9	23 20	23 21	23 13	3 44	6 0
W12	23 7	19 12	2 31	25 25	2 11	14 1	2 1	8 58	2 29	5 49	1 14	15 0	2 7	13 5	0 27	11 19	0 43	6 51	17 8	23 20	23 21	23 12	3 43	6 0
T 13	23 12	15 6	3 38	25 16	2 8	14 23	2 0	8 51	2 31	5 52	1 14	15 2	2 7	13 4	0 27	11 19	0 43	6 51	17 8	23 20	23 21	23 11	3 42	6 1
F 14	23 16	10 14	4 29	25 5	2 4	14 46	1 59	8 44	2 32	5 55	1 15	15 3	2 7	13 4	0 27	11 19	0 43	6 50	17 8	23 20	23 21	23 10	3 41	6 1
S 15	23 19	4 59	5 2	24 54	1 59	15 8	1 58	8 37	2 34	5 58	1 15	15 5	2 7	13 3	0 27	11 19	0 43	6 50	17 7	23 20	23 20	23 10	3 40	6 2
S 16	23 22	0s20	5 17	24 40	1 54	15 29	1 56	8 30	2 35	6 1	1 15	15 7	2 7	13 3	0 27	11 20	0 43	6 50	17 7	23 20	23 20	23 9	3 40	6 2
M17	23 24	5 29	5 15	24 26	1 47	15 50	1 55	8 24	2 36	6 4	1 15	15 8	2 7	13 2	0 27	11 20	0 43	6 50	17 7	23 20	23 20	23 8	3 39	6 3
T 18	23 26	10 16	4 58	24 11	1 40	16 11	1 54	8 17	2 38	6 7	1 15	15 10	2 7	13 2	0 27	11 20	0 43	6 50	17 6	23 20	23 20	23 7	3 39	6 3
W19	23 28	14 30	4 27	23 54	1 31	16 31	1 52	8 11	2 39	6 10	1 15	15 11	2 8	13 2	0 27	11 20	0 43	6 50	17 6	23 20	23 20	23 7	3 38	6 4
T 20	23 29	18 4	3 44	23 37	1 22	16 51	1 51	8 5	2 41	6 13	1 16	15 13	2 8	13 1	0 27	11 20	0 43	6 50	17 6	23 20	23 20	23 6	3 37	6 4
F 21	23 29	20 49	2 52	23 19	1 11	17 11	1 49	7 59	2 42	6 16	1 16	15 15	2 8	13 1	0 27	11 21	0 43	6 49	17 5	23 20	23 19	23 5	3 37	6 5
S 22	23 29	22 38	1 53	23 0	0 59	17 30	1 47	7 53	2 44	6 18	1 16	15 16	2 8	13 1	0 27	11 21	0 43	6 49	17 5	23 20	23 19	23 4	3 37	6 5
S 23	23 29	23 26	0 50	22 41	0 46	17 49	1 46	7 47	2 45	6 21	1 16	15 18	2 8	13 0	0 27	11 21	0 44	6 49	17 5	23 20	23 19	23 4	3 36	6 6
M24	23 28	23 11	0n16	22 22	0 32	18 7	1 44	7 42	2 47	6 24	1 16	15 19	2 8	13 0	0 27	11 21	0 44	6 49	17 4	23 20	23 19	23 3	3 36	6 6
T 25	23 27	21 54	1 20	22 4	0 17	18 25	1 42	7 36	2 49	6 26	1 17	15 21	2 8	13 0	0 27	11 22	0 44	6 49	17 4	23 20	23 19	23 2	3 36	6 7
W26	23 25	19 38	2 22	21 45	0 0	18 42	1 40	7 31	2 50	6 29	1 17	15 22	2 8	12 59	0 27	11 22	0 44	6 48	17 4	23 20	23 19	23 1	3 35	6 7
T 27	23 23	16 32	3 17	21 28	0n17	18 59	1 38	7 26	2 52	6 31	1 17	15 23	2 8	12 59	0 26	11 22	0 44	6 48	17 3	23 20	23 18	23 1	3 35	6 8
F 28	23 20	12 44	4 5	21 11	0 36	19 16	1 36	7 21	2 53	6 34	1 17	15 25	2 9	12 59	0 26	11 23	0 44	6 48	17 3	23 20	23 18	23 0	3 35	6 8
S 29	23 17	8 23	4 41	20 55	0 55	19 32	1 34	7 17	2 55	6 36	1 18	15 26	2 9	12 58	0 26	11 23	0 44	6 48	17 2	23 20	23 18	22 59	3 35	6 9
S 30	23 13	3 37	5 6	20 41	1 14	19 47	1 32	7 12	2 56	6 38	1 18	15 28	2 9	12 58	0 26	11 23	0 44	6 47	17 2	23 20	23 18	22 58	3 35	6 9
M31	23s 9	1n22	5n16	20s29	1n33	20s 2	1n30	7n 8	2n58	6s41	1n18	15s29	2n 9	12n58	0s26	11n23	0n44	6s47	17s 2	23s20	23s18	22s57	3n35	6s10

Julian Day Number = 2306147.5, Delta T = 86.30 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'04, Lahiri = 18°18'05Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1602
geocentric

JANUARY 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 41 27	10♑31'00	4♈10	18°R56	8♐ 6	19♍ 7	20♎14	19♏15	5°R29	2°R12	23°R15	23°R32	22♐47	28♐50	6°R 1	T 1
W 2	6 45 24	11°32'10	17°27	17♑51	9°20	19°21	20°20	19°20	5♉28	2♍11	23♈15	23°D32	22°44	28°57	6♍ 0	W 2
T 3	6 49 20	12°33'19	1♉ 7	16°39	10°34	19°33	20°26	19°25	5°28	2°10	23°15	23♐33	22°41	29° 3	5°59	T 3
F 4	6 53 17	13°34'28	15°12	15°23	11°48	19°46	20°32	19°30	5°27	2° 9	23°15	23°34	22°38	29°10	5°57	F 4
S 5	6 57 14	14°35'37	29°40	14° 3	13° 2	19°58	20°37	19°36	5°27	2° 8	23°15	23°36	22°34	29°16	5°55	S 5
S 6	7 1 10	15°36'45	14♊30	12°43	14°16	20° 9	20°43	19°41	5°26	2° 7	23°15	23°37	22°31	29°23	5°53	S 6
M 7	7 5 7	16°37'53	29°35	11°26	15°30	20°20	20°48	19°46	5°26	2° 6	23°D15	23°R37	22°28	29°30	5°51	M 7
T 8	7 9 3	17°39'00	14♋46	10°13	16°44	20°30	20°54	19°50	5°26	2° 5	23°15	23°36	22°25	29°36	5°49	T 8
W 9	7 13 0	18°40'06	29°55	9° 7	17°59	20°39	20°59	19°55	5°25	2° 4	23°15	23°33	22°22	29°43	5°47	W 9
T 10	7 16 56	19°41'12	14♌52	8° 8	19°13	20°48	21° 4	20° 0	5°25	2° 3	23°15	23°30	22°19	29°50	5°45	T 10
F 11	7 20 53	20°42'18	29°28	7°18	20°27	20°57	21° 8	20° 5	5°25	2° 1	23°15	23°26	22°15	29°56	5°43	F 11
S 12	7 24 50	21°43'23	13♍39	6°38	21°41	21° 4	21°13	20° 9	5°25	2° 0	23°15	23°22	22°12	0♑ 3	5°40	S 12
S 13	7 28 46	22°44'28	27°20	6° 7	22°56	21°12	21°17	20°14	5°D25	1°59	23°15	23°18	22° 9	0°10	5°38	S 13
M14	7 32 43	23°45'33	10♎33	5°45	24°10	21°18	21°22	20°18	5°25	1°58	23°15	23°16	22° 6	0°16	5°35	M14
T 15	7 36 39	24°46'37	23°21	5°33	25°24	21°24	21°26	20°22	5°25	1°57	23°15	23°D15	22° 3	0°23	5°32	T 15
W16	7 40 36	25°47'41	5♏46	5°D29	26°39	21°29	21°30	20°27	5°25	1°55	23°16	23°16	21°59	0°30	5°29	W16
T 17	7 44 32	26°48'44	17°54	5°34	27°53	21°33	21°33	20°31	5°25	1°54	23°16	23°17	21°56	0°36	5°26	T 17
F 18	7 48 29	27°49'47	29°51	5°45	29° 8	21°37	21°37	20°35	5°25	1°53	23°16	23°19	21°53	0°43	5°23	F 18
S 19	7 52 25	28°50'49	11♐40	6° 4	0♑22	21°40	21°40	20°39	5°26	1°51	23°16	23°21	21°50	0°50	5°20	S 19
S 20	7 56 22	29°51'51	23°25	6°30	1°36	21°42	21°44	20°43	5°26	1°50	23°17	23°R21	21°47	0°56	5°17	S 20
M21	8 0 19	0♒52'52	5♑12	7° 1	2°51	21°44	21°47	20°47	5°26	1°49	23°17	23°21	21°44	1° 3	5°14	M21
T 22	8 4 15	1°53'52	17° 2	7°37	4° 5	21°45	21°49	20°51	5°27	1°47	23°17	23°18	21°40	1° 9	5°10	T 22
W23	8 8 12	2°54'52	28°59	8°18	5°20	21°R45	21°52	20°54	5°27	1°46	23°18	23°13	21°37	1°16	5° 7	W23
T 24	8 12 8	3°55'50	11♒ 4	9° 4	6°34	21°44	21°55	20°58	5°28	1°44	23°18	23° 7	21°34	1°23	5° 3	T 24
F 25	8 16 5	4°56'47	23°18	9°53	7°49	21°43	21°57	21° 2	5°28	1°43	23°18	22°59	21°31	1°29	5° 0	F 25
S 26	8 20 1	5°57'43	5♓42	10°47	9° 3	21°41	21°59	21° 5	5°29	1°42	23°19	22°50	21°28	1°36	4°56	S 26
S 27	8 23 58	6°58'38	18°18	11°43	10°18	21°38	22° 1	21° 8	5°30	1°40	23°19	22°42	21°25	1°43	4°52	S 27
M28	8 27 54	7°59'32	1♈ 6	12°42	11°32	21°34	22° 3	21°12	5°31	1°39	23°20	22°36	21°21	1°49	4°48	M28
T 29	8 31 51	9° 0'24	14° 7	13°45	12°46	21°29	22° 4	21°15	5°31	1°37	23°20	22°31	21°18	1°56	4°44	T 29
W30	8 35 47	10° 1'15	27°24	14°49	14° 1	21°24	22° 6	21°18	5°32	1°36	23°21	22°28	21°15	2° 3	4°40	W30
T 31	8 39 44	11♒ 2'04	10♉57	15♑56	15♑15	21♍18	22♎ 7	21♏21	5♉33	1♍34	23♈21	22°D27	21♐12	2♑ 9	4♍36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 4	6n25	5n11	20s18	1n52	20s16	1n27	7n 4	3n 0	6s43	1n18	15s30	2n 9	12n58	0s26	11n24	0n44	6s47	17s 1	23s20	23s18	22s57	3n35	6s10
W 2	22 59	11 19	4 50	20 8	2 11	20 30	1 25	7 0	3 1	6 45	1 18	15 32	2 9	12 58	0 26	11 24	0 44	6 46	17 1	23 20	23 17	22 56	3 35	6 10
T 3	22 54	15 48	4 11	20 1	2 28	20 43	1 23	6 57	3 3	6 47	1 19	15 33	2 9	12 57	0 26	11 25	0 44	6 46	17 1	23 20	23 17	22 55	3 35	6 11
F 4	22 48	19 34	3 17	19 54	2 43	20 55	1 20	6 53	3 5	6 49	1 19	15 34	2 9	12 57	0 26	11 25	0 44	6 46	17 0	23 20	23 17	22 54	3 36	6 11
S 5	22 41	22 13	2 9	19 50	2 56	21 7	1 18	6 50	3 6	6 51	1 19	15 35	2 10	12 57	0 26	11 25	0 44	6 46	17 0	23 20	23 17	22 53	3 36	6 12
S 6	22 34	23 25	0 50	19 47	3 7	21 19	1 16	6 47	3 8	6 53	1 19	15 37	2 10	12 57	0 26	11 26	0 44	6 45	17 0	23 20	23 17	22 52	3 36	6 12
M 7	22 27	22 57	0s33	19 46	3 15	21 29	1 13	6 45	3 10	6 55	1 20	15 38	2 10	12 57	0 26	11 26	0 44	6 45	16 59	23 20	23 17	22 52	3 36	6 12
T 8	22 19	20 47	1 54	19 46	3 21	21 39	1 11	6 42	3 11	6 56	1 20	15 39	2 10	12 57	0 26	11 27	0 44	6 45	16 59	23 20	23 16	22 51	3 37	6 13
W 9	22 11	17 10	3 7	19 47	3 24	21 49	1 8	6 40	3 13	6 58	1 20	15 40	2 10	12 57	0 26	11 27	0 44	6 44	16 59	23 20	23 16	22 50	3 37	6 13
T 10	22 3	12 29	4 6	19 50	3 25	21 58	1 5	6 38	3 15	7 0	1 20	15 41	2 10	12 57	0 26	11 27	0 44	6 44	16 58	23 20	23 16	22 49	3 38	6 14
F 11	21 54	7 12	4 47	19 54	3 24	22 6	1 3	6 36	3 16	7 1	1 20	15 42	2 10	12 57	0 26	11 28	0 44	6 43	16 58	23 20	23 16	22 48	3 38	6 14
S 12	21 44	1 41	5 10	19 59	3 21	22 14	1 0	6 35	3 18	7 3	1 21	15 43	2 11	12 57	0 26	11 28	0 44	6 43	16 57	23 19	23 16	22 47	3 39	6 14
S 13	21 34	3s44	5 13	20 5	3 16	22 21	0 57	6 33	3 20	7 4	1 21	15 44	2 11	12 57	0 26	11 29	0 44	6 43	16 57	23 19	23 15	22 46	3 39	6 15
M14	21 24	8 47	5 0	20 12	3 10	22 27	0 55	6 32	3 22	7 6	1 21	15 45	2 11	12 57	0 26	11 29	0 44	6 42	16 57	23 19	23 15	22 45	3 40	6 15
T 15	21 13	13 18	4 32	20 20	3 3	22 33	0 52	6 32	3 23	7 7	1 21	15 46	2 11	12 57	0 26	11 30	0 44	6 42	16 56	23 19	23 15	22 45	3 41	6 15
W16	21 2	17 7	3 52	20 28	2 55	22 38	0 49	6 31	3 25	7 8	1 22	15 47	2 11	12 57	0 26	11 30	0 44	6 42	16 56	23 19	23 15	22 44	3 41	6 16
T 17	20 50	20 7	3 2	20 37	2 46	22 42	0 46	6 31	3 27	7 9	1 22	15 48	2 11	12 57	0 26	11 31	0 44	6 41	16 56	23 19	23 15	22 43	3 42	6 16
F 18	20 38	22 12	2 5	20 45	2 37	22 46	0 44	6 31	3 28	7 10	1 22	15 49	2 12	12 57	0 26	11 31	0 44	6 41	16 55	23 19	23 14	22 42	3 43	6 16
S 19	20 26	23 17	1 4	20 54	2 27	22 48	0 41	6 32	3 30	7 11	1 22	15 50	2 12	12 57	0 26	11 32	0 44	6 40	16 55	23 19	23 14	22 41	3 44	6 17
S 20	20 13	23 19	0n 0	21 3	2 17	22 51	0 38	6 32	3 32	7 12	1 23	15 51	2 12	12 57	0 26	11 32	0 44	6 40	16 54	23 19	23 14	22 40	3 45	6 17
M21	20 0	22 19	1 4	21 12	2 6	22 52	0 35	6 33	3 34	7 13	1 23	15 52	2 12	12 58	0 26	11 33	0 44	6 39	16 54	23 19	23 14	22 39	3 46	6 17
T 22	19 47	20 20	2 6	21 21	1 56	22 53	0 32	6 35	3 35	7 14	1 23	15 53	2 12	12 58	0 26	11 33	0 44	6 39	16 54	23 19	23 14	22 38	3 47	6 17
W23	19 33	17 26	3 2	21 29	1 45	22 53	0 30	6 36	3 37	7 15	1 23	15 53	2 12	12 58	0 26	11 34	0 44	6 38	16 53	23 19	23 14	22 37	3 48	6 18
T 24	19 19	13 48	3 50	21 36	1 35	22 53	0 27	6 38	3 39	7 16	1 24	15 54	2 13	12 58	0 26	11 34	0 44	6 38	16 53	23 19	23 13	22 36	3 49	6 18
F 25	19 4	9 33	4 29	21 43	1 24	22 52	0 24	6 40	3 40	7 16	1 24	15 55	2 13	12 58	0 26	11 35	0 44	6 38	16 53	23 18	23 13	22 35	3 50	6 18
S 26	18 49	4 52	4 55	21 50	1 14	22 50	0 21	6 42	3 42	7 17	1 24	15 56	2 13	12 59	0 26	11 35	0 44	6 37	16 52	23 18	23 13	22 34	3 51	6 18
S 27	18 34	0n 5	5 8	21 55	1 3	22 47	0 18	6 45	3 44	7 17	1 24	15 56	2 13	12 59	0 26	11 36	0 45	6 37	16 52	23 17	23 13	22 33	3 52	6 18
M28	18 19	5 6	5 5	22 0	0 53	22 44	0 16	6 48	3 45	7 18	1 25	15 57	2 13	12 59	0 26	11 36	0 45	6 36	16 52	23 17	23 12	22 32	3 53	6 19
T 29	18 3	9 59	4 47	22 4	0 43	22 40	0 13	6 51	3 47	7 18	1 25	15 58	2 13	12 59	0 25	11 37	0 45	6 36	16 51	23 17	23 12	22 31	3 55	6 19
W30	17 46	14 30	4 13	22 7	0 33	22 35	0 10	6 55	3 48	7 18	1 25	15 58	2 14	13 0	0 25	11 37	0 45	6 35	16 51	23 17	23 12	22 31	3 56	6 19
T 31	17s30	18n23	3n25	22s 9	0n24	22s30	0n 7	6n59	3n50	7s19	1n25	15s59	2n14	13n 0	0s25	11n38	0n45	6s35	16s51	23s16	23s12	22s30	3n57	6s19

Julian Day Number = 2306178.5, Delta T = 86.19 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'08, Lahiri = 18°18'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

FEBRUARY 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 43 41	12♒ 2'52	24♉48	17♉ 5	16♉30	21°R11	22♎ 8	21♏24	5♉34	1°R32	23♈22	22♐27	21♐ 9	2♉16	4°R32	F 1
S 2	8 47 37	13° 3'38	8♊58	18°16	17°44	21♍ 3	22° 9	21°26	5°35	1♍31	23°22	22°29	21° 5	2°23	4♍28	S 2
S 3	8 51 34	14° 4'23	23°26	19°29	18°59	20°55	22° 9	21°29	5°36	1°29	23°23	22°R29	21° 2	2°29	4°24	S 3
M 4	8 55 30	15° 5'06	8♋ 8	20°43	20°13	20°46	22°10	21°32	5°37	1°28	23°23	22°28	20°59	2°36	4°20	M 4
T 5	8 59 27	16° 5'48	23° 1	22° 0	21°28	20°36	22°10	21°34	5°38	1°26	23°24	22°25	20°56	2°43	4°15	T 5
W 6	9 3 23	17° 6'28	7♌56	23°17	22°42	20°25	22°R10	21°37	5°39	1°25	23°25	22°19	20°53	2°49	4°11	W 6
T 7	9 7 20	18° 7'06	22°45	24°36	23°57	20°14	22°10	21°39	5°41	1°23	23°25	22°11	20°50	2°56	4° 7	T 7
F 8	9 11 17	19° 7'43	7♍19	25°56	25°11	20° 1	22° 9	21°41	5°42	1°21	23°26	22° 2	20°46	3° 2	4° 2	F 8
S 9	9 15 13	20° 8'19	21°33	27°18	26°26	19°48	22° 9	21°43	5°43	1°20	23°27	21°52	20°43	3° 9	3°58	S 9
S 10	9 19 10	21° 8'53	5♎20	28°41	27°40	19°34	22° 8	21°45	5°45	1°18	23°27	21°43	20°40	3°16	3°53	S 10
M11	9 23 6	22° 9'26	18°40	0♒ 5	28°55	19°20	22° 7	21°47	5°46	1°16	23°28	21°36	20°37	3°22	3°48	M11
T 12	9 27 3	23° 9'58	1♏33	1°30	0♒10	19° 5	22° 6	21°49	5°48	1°15	23°29	21°31	20°34	3°29	3°44	T 12
W13	9 30 59	24°10'29	14° 3	2°56	1°24	18°49	22° 5	21°51	5°49	1°13	23°30	21°29	20°31	3°36	3°39	W13
T 14	9 34 56	25°10'58	26°13	4°24	2°39	18°32	22° 4	21°53	5°51	1°11	23°30	21°D28	20°27	3°42	3°34	T 14
F 15	9 38 52	26°11'26	8♐10	5°52	3°53	18°15	22° 2	21°54	5°52	1°10	23°31	21°29	20°24	3°49	3°30	F 15
S 16	9 42 49	27°11'52	19°59	7°22	5° 8	17°57	22° 0	21°55	5°54	1° 8	23°32	21°R29	20°21	3°56	3°25	S 16
S 17	9 46 46	28°12'18	1♑45	8°52	6°22	17°38	21°58	21°57	5°56	1° 6	23°33	21°29	20°18	4° 2	3°20	S 17
M18	9 50 42	29°12'41	13°34	10°24	7°37	17°19	21°56	21°58	5°58	1° 5	23°34	21°26	20°15	4° 9	3°16	M18
T 19	9 54 39	0♓13'03	25°28	11°57	8°51	16°59	21°53	21°59	5°59	1° 3	23°35	21°21	20°11	4°16	3°11	T 19
W20	9 58 35	1°13'24	7♒33	13°30	10° 6	16°39	21°51	22° 0	6° 1	1° 1	23°36	21°13	20° 8	4°22	3° 6	W20
T 21	10 2 32	2°13'43	19°49	15° 5	11°20	16°18	21°48	22° 1	6° 3	1° 0	23°37	21° 3	20° 5	4°29	3° 1	T 21
F 22	10 6 28	3°14'00	2♓18	16°40	12°35	15°57	21°45	22° 2	6° 5	0°58	23°37	20°51	20° 2	4°36	2°56	F 22
S 23	10 10 25	4°14'15	15° 1	18°17	13°49	15°35	21°42	22° 3	6° 7	0°56	23°38	20°37	19°59	4°42	2°52	S 23
S 24	10 14 21	5°14'29	27°56	19°55	15° 4	15°13	21°39	22° 3	6° 9	0°55	23°39	20°25	19°56	4°49	2°47	S 24
M25	10 18 18	6°14'40	11♈ 4	21°33	16°18	14°51	21°35	22° 4	6°11	0°53	23°40	20°13	19°52	4°56	2°42	M25
T 26	10 22 14	7°14'50	24°23	23°13	17°33	14°28	21°32	22° 4	6°13	0°51	23°41	20° 5	19°49	5° 2	2°37	T 26
W27	10 26 11	8°14'58	7♉52	24°54	18°47	14° 5	21°28	22° 5	6°15	0°50	23°42	19°59	19°46	5° 9	2°32	W27
T 28	10 30 8	9♓15'03	21♉32	26♒36	20♒ 2	13♍42	21♎24	22♏ 5	6♉18	0♍48	23♈43	19♐56	19♐43	5♉15	2♍28	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	17s13	21n20	2n24	22s10	0n14	22s24	0n 4	7n 3	3n51	7s19	1n26	16s 0	2n14	13n 0	0s25	11n39	0n45	6s34	16s50	23s17	23s12	22s29	3n59	6s19	F 1
S 2	16 56	23 2	1 12	22 9	0 5	22 17	0 2	7 7	3 53	7 19	1 26	16 0	2 14	13 1	0 25	11 39	0 45	6 34	16 50	23 17	23 11	22 28	4 0	6 19	S 2
S 3	16 38	23 15	0s 5	22 8	0s 4	22 10	0s 1	7 12	3 54	7 19	1 26	16 1	2 14	13 1	0 25	11 40	0 45	6 33	16 50	23 17	23 11	22 27	4 2	6 19	S 3
M 4	16 21	21 51	1 23	22 6	0 12	22 2	0 4	7 17	3 56	7 19	1 26	16 1	2 15	13 2	0 25	11 40	0 45	6 33	16 49	23 17	23 11	22 26	4 3	6 19	M 4
T 5	16 3	18 57	2 37	22 2	0 21	21 53	0 7	7 22	3 57	7 19	1 27	16 2	2 15	13 2	0 25	11 41	0 45	6 32	16 49	23 16	23 11	22 25	4 4	6 19	T 5
W 6	15 44	14 48	3 39	21 57	0 29	21 44	0 9	7 27	3 58	7 18	1 27	16 2	2 15	13 2	0 25	11 42	0 45	6 31	16 49	23 16	23 11	22 24	4 6	6 20	W 6
T 7	15 26	9 46	4 26	21 51	0 37	21 34	0 12	7 33	4 0	7 18	1 27	16 2	2 15	13 3	0 25	11 42	0 45	6 31	16 48	23 16	23 10	22 23	4 8	6 20	T 7
F 8	15 7	4 16	4 55	21 44	0 45	21 23	0 15	7 39	4 1	7 18	1 27	16 3	2 15	13 3	0 25	11 43	0 45	6 30	16 48	23 15	23 10	22 22	4 9	6 20	F 8
S 9	14 48	1s19	5 5	21 36	0 52	21 12	0 17	7 45	4 2	7 17	1 28	16 3	2 16	13 4	0 25	11 43	0 45	6 30	16 48	23 14	23 10	22 21	4 11	6 20	S 9
S 10	14 29	6 40	4 57	21 26	0 59	21 0	0 20	7 52	4 3	7 17	1 28	16 3	2 16	13 4	0 25	11 44	0 45	6 29	16 47	23 14	23 10	22 20	4 12	6 20	S 10
M11	14 9	11 31	4 32	21 15	1 6	20 47	0 23	7 58	4 4	7 16	1 28	16 4	2 16	13 5	0 25	11 45	0 45	6 29	16 47	23 13	23 9	22 19	4 14	6 20	M11
T 12	13 50	15 42	3 54	21 2	1 12	20 34	0 25	8 5	4 5	7 16	1 28	16 4	2 16	13 5	0 25	11 45	0 45	6 28	16 47	23 13	23 9	22 17	4 16	6 19	T 12
W13	13 30	19 3	3 6	20 49	1 18	20 20	0 28	8 13	4 6	7 15	1 28	16 4	2 16	13 6	0 25	11 46	0 45	6 28	16 46	23 13	23 9	22 16	4 17	6 19	W13
T 14	13 9	21 28	2 11	20 34	1 24	20 6	0 30	8 20	4 7	7 14	1 29	16 5	2 17	13 6	0 25	11 46	0 45	6 27	16 46	23 13	23 9	22 15	4 19	6 19	T 14
F 15	12 49	22 53	1 11	20 18	1 30	19 51	0 32	8 27	4 8	7 13	1 29	16 5	2 17	13 7	0 25	11 47	0 45	6 26	16 46	23 13	23 9	22 14	4 21	6 19	F 15
S 16	12 28	23 15	0 8	20 0	1 35	19 35	0 35	8 35	4 9	7 13	1 29	16 5	2 17	13 7	0 25	11 48	0 45	6 26	16 45	23 13	23 8	22 13	4 23	6 19	S 16
S 17	12 7	22 34	0n55	19 41	1 40	19 19	0 37	8 43	4 9	7 12	1 29	16 5	2 17	13 8	0 25	11 48	0 45	6 25	16 45	23 13	23 8	22 12	4 24	6 19	S 17
M18	11 46	20 54	1 55	19 21	1 44	19 3	0 40	8 51	4 10	7 11	1 30	16 5	2 17	13 9	0 25	11 49	0 45	6 25	16 45	23 13	23 8	22 11	4 26	6 19	M18
T 19	11 25	18 18	2 51	18 59	1 48	18 45	0 42	8 59	4 10	7 9	1 30	16 5	2 18	13 9	0 25	11 49	0 45	6 24	16 45	23 12	23 8	22 10	4 28	6 19	T 19
W20	11 4	14 53	3 39	18 36	1 52	18 28	0 44	9 8	4 11	7 8	1 30	16 5	2 18	13 10	0 25	11 50	0 45	6 24	16 44	23 12	23 7	22 9	4 30	6 19	W20
T 21	10 42	10 49	4 18	18 11	1 56	18 9	0 46	9 16	4 11	7 7	1 30	16 5	2 18	13 11	0 25	11 51	0 45	6 23	16 44	23 11	23 7	22 8	4 32	6 18	T 21
F 22	10 20	6 14	4 46	17 46	1 59	17 51	0 48	9 25	4 11	7 6	1 31	16 5	2 18	13 11	0 25	11 51	0 45	6 22	16 44	23 10	23 7	22 7	4 34	6 18	F 22
S 23	9 59	1 18	5 0	17 19	2 2	17 31	0 51	9 33	4 11	7 4	1 31	16 5	2 18	13 12	0 25	11 52	0 45	6 22	16 43	23 10	23 7	22 6	4 36	6 18	S 23
S 24	9 37	3n45	4 59	16 50	2 4	17 11	0 53	9 42	4 11	7 3	1 31	16 5	2 19	13 13	0 25	11 52	0 45	6 21	16 43	23 9	23 6	22 5	4 38	6 18	S 24
M25	9 14	8 42	4 42	16 20	2 6	16 51	0 55	9 50	4 11	7 1	1 31	16 5	2 19	13 13	0 25	11 53	0 45	6 21	16 43	23 8	23 6	22 4	4 39	6 18	M25
T 26	8 52	13 20	4 10	15 49	2 8	16 30	0 57	9 59	4 11	7 0	1 31	16 5	2 19	13 14	0 25	11 54	0 45	6 20	16 43	23 7	23 6	22 3	4 41	6 17	T 26
W27	8 30	17 22	3 23	15 16	2 9	16 9	0 58	10 8	4 11	6 58	1 32	16 5	2 19	13 15	0 25	11 54	0 45	6 19	16 42	23 7	23 6	22 1	4 43	6 17	W27
T 28	8s 7	20n30	2n24	14s42	2s 9	15s47	1s 0	10n16	4n10	6s57	1n32	16s 5	2n19	13n16	0s25	11n55	0n45	6s19	16s42	23s 6	23s 5	22s 0	4n45	6s17	T 28

Julian Day Number = 2306209.5, Delta T = 86.08 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'13, Lahiri = 18°18'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

MARCH 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 34 4	10♓15'06	5♊22	28♒19	21♒16	13°R18	21°R20	22♏ 5	6♉20	0°R46	23♈44	19°R55	19♐40	5♑22	2°R23	F 1
S 2	10 38 1	11°15'08	19°22	0♓ 3	22°31	12♍55	21♎15	22°R 5	6°22	0♍45	23°46	19♐55	19°37	5°29	2♍18	S 2
S 3	10 41 57	12°15'07	3♋33	1°48	23°45	12°31	21°11	22° 5	6°25	0°43	23°47	19°54	19°33	5°35	2°14	S 3
M 4	10 45 54	13°15'03	17°53	3°35	25° 0	12° 7	21° 6	22° 5	6°27	0°41	23°48	19°52	19°30	5°42	2° 9	M 4
T 5	10 49 50	14°14'58	2♌20	5°22	26°14	11°44	21° 1	22° 4	6°29	0°40	23°49	19°47	19°27	5°49	2° 4	T 5
W 6	10 53 47	15°14'50	16°49	7°11	27°29	11°20	20°57	22° 4	6°32	0°38	23°50	19°40	19°24	5°55	2° 0	W 6
T 7	10 57 43	16°14'40	1♍15	9° 0	28°43	10°57	20°51	22° 3	6°34	0°37	23°51	19°30	19°21	6° 2	1°55	T 7
F 8	11 1 40	17°14'28	15°31	10°51	29°58	10°33	20°46	22° 3	6°37	0°35	23°52	19°18	19°17	6° 9	1°51	F 8
S 9	11 5 37	18°14'14	29°32	12°43	1♓12	10°10	20°41	22° 2	6°39	0°33	23°53	19° 5	19°14	6°15	1°46	S 9
S 10	11 9 33	19°13'58	13♎12	14°37	2°26	9°47	20°35	22° 1	6°42	0°32	23°54	18°53	19°11	6°22	1°42	S 10
M11	11 13 30	20°13'40	26°28	16°31	3°41	9°24	20°30	22° 0	6°44	0°30	23°56	18°44	19° 8	6°29	1°37	M11
T 12	11 17 26	21°13'21	9♏22	18°26	4°55	9° 2	20°24	21°59	6°47	0°29	23°57	18°36	19° 5	6°35	1°33	T 12
W13	11 21 23	22°12'59	21°53	20°23	6°10	8°40	20°18	21°58	6°50	0°27	23°58	18°32	19° 2	6°42	1°29	W13
T 14	11 25 19	23°12'36	4♐ 6	22°21	7°24	8°18	20°12	21°57	6°52	0°26	23°59	18°30	18°58	6°49	1°24	T 14
F 15	11 29 16	24°12'11	16° 5	24°19	8°38	7°57	20° 6	21°56	6°55	0°24	24° 0	18°29	18°55	6°55	1°20	F 15
S 16	11 33 12	25°11'45	27°56	26°19	9°53	7°36	19°59	21°54	6°58	0°23	24° 2	18°29	18°52	7° 2	1°16	S 16
S 17	11 37 9	26°11'16	9♑44	28°19	11° 7	7°16	19°53	21°53	7° 1	0°21	24° 3	18°28	18°49	7° 9	1°12	S 17
M18	11 41 6	27°10'46	21°34	0♈20	12°22	6°56	19°46	21°51	7° 3	0°20	24° 4	18°26	18°46	7°15	1° 8	M18
T 19	11 45 2	28°10'14	3♒32	2°21	13°36	6°36	19°40	21°50	7° 6	0°18	24° 5	18°22	18°42	7°22	1° 4	T 19
W20	11 48 59	29° 9'40	15°42	4°23	14°50	6°18	19°33	21°48	7° 9	0°17	24° 7	18°14	18°39	7°28	1° 0	W20
T 21	11 52 55	0♈ 9'04	28° 7	6°25	16° 5	6° 0	19°26	21°46	7°12	0°15	24° 8	18° 5	18°36	7°35	0°56	T 21
F 22	11 56 52	1° 8'26	10♓50	8°27	17°19	5°42	19°19	21°44	7°15	0°14	24° 9	17°53	18°33	7°42	0°52	F 22
S 23	12 0 48	2° 7'47	23°50	10°29	18°33	5°25	19°12	21°42	7°18	0°13	24°11	17°40	18°30	7°48	0°49	S 23
S 24	12 4 45	3° 7'05	7♈ 6	12°29	19°48	5° 9	19° 5	21°40	7°21	0°11	24°12	17°28	18°27	7°55	0°45	S 24
M25	12 8 41	4° 6'21	20°38	14°29	21° 2	4°54	18°58	21°38	7°24	0°10	24°13	17°17	18°23	8° 2	0°41	M25
T 26	12 12 38	5° 5'35	4♉21	16°28	22°16	4°39	18°51	21°35	7°27	0° 9	24°15	17° 8	18°20	8° 8	0°38	T 26
W27	12 16 34	6° 4'47	18°13	18°24	23°31	4°25	18°44	21°33	7°30	0° 7	24°16	17° 2	18°17	8°15	0°35	W27
T 28	12 20 31	7° 3'57	2♊12	20°19	24°45	4°12	18°36	21°30	7°33	0° 6	24°17	16°59	18°14	8°22	0°31	T 28
F 29	12 24 28	8° 3'04	16°14	22°11	25°59	3°59	18°29	21°28	7°36	0° 5	24°19	16°D59	18°11	8°28	0°28	F 29
S 30	12 28 24	9° 2'09	0♋19	24° 1	27°13	3°48	18°21	21°25	7°39	0° 4	24°20	16°59	18° 8	8°35	0°25	S 30
S 31	12 32 21	10♈ 1'12	14♋26	25♈47	28♓28	3♍37	18♎14	21♏23	7♉43	0♍ 2	24♈21	16°R59	18♐ 4	8♑42	0♍22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s44	22n30	1n16	14s 7	2s10	15s25	1s 2	10n25	4n10	6s55	1n32	16s 5	2n20	13n16	0s25	11n55	0n45	6s18	16s42	23s 6	23s 5	21s59	4n47	6s16
S 2	7 22	23 7	0 3	13 30	2 10	15 3	1 4	10 34	4 9	6 53	1 32	16 5	2 20	13 17	0 25	11 56	0 45	6 18	16 42	23 6	23 5	21 58	4 49	6 16
S 3	6 59	22 15	1s12	12 52	2 9	14 40	1 6	10 42	4 9	6 51	1 32	16 4	2 20	13 18	0 25	11 57	0 45	6 17	16 41	23 6	23 5	21 57	4 51	6 16
M 4	6 36	19 57	2 22	12 12	2 8	14 16	1 7	10 50	4 8	6 49	1 33	16 4	2 20	13 19	0 25	11 57	0 45	6 16	16 41	23 6	23 4	21 56	4 53	6 15
T 5	6 13	16 22	3 24	11 31	2 6	13 53	1 9	10 59	4 7	6 47	1 33	16 4	2 20	13 19	0 25	11 58	0 45	6 16	16 41	23 6	23 4	21 55	4 55	6 15
W 6	5 50	11 48	4 13	10 49	2 4	13 28	1 10	11 7	4 6	6 45	1 33	16 4	2 20	13 20	0 25	11 58	0 45	6 15	16 41	23 5	23 4	21 54	4 57	6 15
T 7	5 26	6 36	4 46	10 6	2 2	13 4	1 12	11 15	4 5	6 43	1 33	16 3	2 21	13 21	0 24	11 59	0 45	6 15	16 40	23 4	23 4	21 52	4 59	6 14
F 8	5 3	1 7	5 0	9 21	1 59	12 39	1 13	11 23	4 4	6 41	1 33	16 3	2 21	13 22	0 24	11 59	0 45	6 14	16 40	23 3	23 3	21 51	5 1	6 14
S 9	4 40	4s20	4 55	8 35	1 55	12 14	1 15	11 30	4 2	6 39	1 33	16 3	2 21	13 23	0 24	12 0	0 45	6 13	16 40	23 2	23 3	21 50	5 3	6 13
S 10	4 16	9 26	4 34	7 47	1 51	11 48	1 16	11 38	4 1	6 37	1 34	16 2	2 21	13 24	0 24	12 1	0 45	6 13	16 40	23 1	23 3	21 49	5 5	6 13
M11	3 53	13 56	3 58	6 58	1 47	11 23	1 17	11 45	3 59	6 34	1 34	16 2	2 21	13 25	0 24	12 1	0 45	6 12	16 40	23 1	23 3	21 48	5 7	6 13
T 12	3 29	17 40	3 11	6 8	1 42	10 56	1 18	11 52	3 58	6 32	1 34	16 1	2 22	13 25	0 24	12 2	0 45	6 12	16 39	23 0	23 2	21 47	5 9	6 12
W13	3 6	20 28	2 16	5 17	1 36	10 30	1 19	11 59	3 56	6 30	1 34	16 1	2 22	13 26	0 24	12 2	0 45	6 11	16 39	23 0	23 2	21 45	5 11	6 12
T 14	2 42	22 15	1 16	4 25	1 30	10 3	1 20	12 6	3 55	6 27	1 34	16 0	2 22	13 27	0 24	12 3	0 45	6 10	16 39	22 59	23 2	21 44	5 13	6 11
F 15	2 18	22 58	0 13	3 32	1 23	9 36	1 21	12 12	3 53	6 25	1 34	16 0	2 22	13 28	0 24	12 3	0 45	6 10	16 39	22 59	23 2	21 43	5 15	6 11
S 16	1 55	22 39	0n50	2 38	1 16	9 9	1 22	12 18	3 51	6 22	1 34	15 59	2 22	13 29	0 24	12 4	0 45	6 9	16 39	22 59	23 1	21 42	5 17	6 10
S 17	1 31	21 18	1 50	1 43	1 8	8 41	1 23	12 24	3 49	6 20	1 35	15 59	2 23	13 30	0 24	12 4	0 45	6 9	16 38	22 59	23 1	21 41	5 19	6 10
M18	1 7	19 2	2 46	0 47	1 0	8 14	1 24	12 30	3 47	6 17	1 35	15 58	2 23	13 31	0 24	12 5	0 45	6 8	16 38	22 59	23 1	21 39	5 21	6 9
T 19	0 44	15 55	3 35	0n10	0 51	7 46	1 25	12 35	3 45	6 15	1 35	15 58	2 23	13 32	0 24	12 5	0 45	6 7	16 38	22 59	23 1	21 38	5 22	6 8
W20	0 20	12 6	4 15	1 7	0 42	7 18	1 25	12 40	3 43	6 12	1 35	15 57	2 23	13 33	0 24	12 6	0 45	6 7	16 38	22 58	23 0	21 37	5 24	6 8
T 21	0n 4	7 43	4 43	2 4	0 32	6 49	1 26	12 45	3 41	6 9	1 35	15 56	2 23	13 34	0 24	12 6	0 45	6 6	16 38	22 57	23 0	21 36	5 26	6 7
F 22	0 27	2 55	4 59	3 2	0 21	6 21	1 26	12 49	3 38	6 7	1 35	15 56	2 23	13 35	0 24	12 7	0 45	6 6	16 38	22 56	23 0	21 35	5 28	6 7
S 23	0 51	2n 8	4 59	3 59	0 11	5 52	1 27	12 53	3 36	6 4	1 35	15 55	2 24	13 36	0 24	12 7	0 45	6 5	16 37	22 55	22 59	21 33	5 30	6 6
S 24	1 15	7 10	4 44	4 57	0n 0	5 23	1 27	12 57	3 34	6 1	1 35	15 54	2 24	13 37	0 24	12 8	0 45	6 4	16 37	22 54	22 59	21 32	5 32	6 5
M25	1 38	11 58	4 12	5 54	0 12	4 54	1 28	13 1	3 31	5 58	1 35	15 54	2 24	13 38	0 24	12 8	0 45	6 4	16 37	22 53	22 59	21 31	5 34	6 5
T 26	2 2	16 13	3 26	6 50	0 23	4 25	1 28	13 4	3 29	5 56	1 35	15 53	2 24	13 39	0 24	12 9	0 45	6 3	16 37	22 52	22 59	21 30	5 35	6 4
W27	2 25	19 38	2 26	7 46	0 35	3 56	1 28	13 7	3 27	5 53	1 35	15 52	2 24	13 40	0 24	12 9	0 45	6 3	16 37	22 51	22 58	21 29	5 37	6 4
T 28	2 49	21 55	1 18	8 40	0 46	3 26	1 28	13 9	3 24	5 50	1 35	15 51	2 24	13 41	0 24	12 10	0 45	6 2	16 37	22 51	22 58	21 27	5 39	6 3
F 29	3 12	22 51	0 4	9 33	0 58	2 57	1 28	13 12	3 22	5 47	1 36	15 51	2 24	13 42	0 24	12 10	0 45	6 1	16 37	22 51	22 58	21 26	5 41	6 2
S 30	3 35	22 19	1s10	10 25	1 10	2 27	1 28	13 14	3 19	5 44	1 36	15 50	2 25	13 43	0 24	12 11	0 45	6 1	16 37	22 51	22 58	21 25	5 42	6 2
S 31	3n59	20n23	2s21	11n15	1n21	1s58	1s28	13n15	3n16	5s41	1n36	15s49	2n25	13n44	0s24	12n11	0n45	6s 0	16s36	22s51	22s57	21s24	5n44	6s 1

Julian Day Number = 2306237.5, Delta T = 85.98 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'16, Lahiri = 18°18'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

APRIL 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 36 17	11♈ 0'12	28♋34	27♈29	29♓42	3°R27	18°R 6	21°R20	7♉46	0°R 1	24♈23	16°R58	18♐ 1	8♑48	0°R19	M 1
T 2	12 40 14	11°59'10	12♌40	29° 7	0♈56	3♍17	17♎59	21♏17	7°49	0♍ 0	24°24	16♐54	17°58	8°55	0♍16	T 2
W 3	12 44 10	12°58'05	26°45	0♉41	2°10	3° 9	17°51	21°14	7°52	29♌59	24°25	16°48	17°55	9° 2	0°14	W 3
T 4	12 48 7	13°56'59	10♍43	2°11	3°25	3° 1	17°43	21°11	7°55	29°58	24°27	16°40	17°52	9° 8	0°11	T 4
F 5	12 52 3	14°55'49	24°33	3°36	4°39	2°54	17°36	21° 8	7°59	29°57	24°28	16°30	17°48	9°15	0° 8	F 5
S 6	12 56 0	15°54'38	8♎ 9	4°56	5°53	2°48	17°28	21° 5	8° 2	29°56	24°29	16°20	17°45	9°22	0° 6	S 6
S 7	12 59 57	16°53'25	21°30	6°10	7° 7	2°42	17°20	21° 1	8° 5	29°55	24°31	16°10	17°42	9°28	0° 4	S 7
M 8	13 3 53	17°52'10	4♏33	7°19	8°21	2°38	17°13	20°58	8° 8	29°54	24°32	16° 2	17°39	9°35	0° 1	M 8
T 9	13 7 50	18°50'53	17°17	8°23	9°35	2°34	17° 5	20°55	8°12	29°53	24°34	15°56	17°36	9°42	29♌59	T 9
W10	13 11 46	19°49'34	29°43	9°21	10°49	2°31	16°57	20°51	8°15	29°52	24°35	15°52	17°33	9°48	29°57	W10
T 11	13 15 43	20°48'14	11♐54	10°13	12° 4	2°28	16°50	20°48	8°18	29°51	24°36	15°D51	17°29	9°55	29°55	T 11
F 12	13 19 39	21°46'51	23°54	10°59	13°18	2°27	16°42	20°44	8°22	29°50	24°38	15°51	17°26	10° 2	29°53	F 12
S 13	13 23 36	22°45'27	5♑45	11°39	14°32	2°26	16°34	20°40	8°25	29°49	24°39	15°52	17°23	10° 8	29°51	S 13
S 14	13 27 32	23°44'01	17°34	12°14	15°46	2°D26	16°27	20°37	8°29	29°48	24°40	15°53	17°20	10°15	29°50	S 14
M15	13 31 29	24°42'34	29°26	12°42	17° 0	2°27	16°19	20°33	8°32	29°47	24°42	15°R53	17°17	10°21	29°48	M15
T 16	13 35 26	25°41'05	11♒25	13° 4	18°14	2°28	16°12	20°29	8°35	29°46	24°43	15°52	17°14	10°28	29°47	T 16
W17	13 39 22	26°39'34	23°38	13°21	19°28	2°30	16° 4	20°25	8°39	29°46	24°45	15°48	17°10	10°35	29°46	W17
T 18	13 43 19	27°38'01	6♓ 7	13°31	20°42	2°33	15°57	20°21	8°42	29°45	24°46	15°43	17° 7	10°41	29°44	T 18
F 19	13 47 15	28°36'27	18°56	13°R36	21°56	2°37	15°49	20°17	8°46	29°44	24°47	15°36	17° 4	10°48	29°43	F 19
S 20	13 51 12	29°34'51	2♈ 7	13°34	23°10	2°41	15°42	20°13	8°49	29°44	24°49	15°28	17° 1	10°55	29°42	S 20
S 21	13 55 8	0♉33'14	15°39	13°28	24°24	2°46	15°35	20° 9	8°52	29°43	24°50	15°20	16°58	11° 1	29°41	S 21
M22	13 59 5	1°31'34	29°31	13°16	25°38	2°51	15°27	20° 5	8°56	29°42	24°52	15°14	16°54	11° 8	29°41	M22
T 23	14 3 1	2°29'53	13♉38	13° 0	26°52	2°58	15°20	20° 1	8°59	29°42	24°53	15° 8	16°51	11°15	29°40	T 23
W24	14 6 58	3°28'10	27°56	12°38	28° 6	3° 4	15°13	19°57	9° 3	29°41	24°54	15° 5	16°48	11°21	29°39	W24
T 25	14 10 55	4°26'26	12♊20	12°13	29°20	3°12	15° 6	19°53	9° 6	29°41	24°56	15°D 4	16°45	11°28	29°39	T 25
F 26	14 14 51	5°24'39	26°45	11°44	0♉34	3°20	15° 0	19°49	9°10	29°40	24°57	15° 5	16°42	11°35	29°39	F 26
S 27	14 18 48	6°22'50	11♋ 7	11°13	1°48	3°29	14°53	19°44	9°13	29°40	24°58	15° 6	16°39	11°41	29°38	S 27
S 28	14 22 44	7°20'59	25°23	10°38	3° 2	3°38	14°46	19°40	9°17	29°39	25° 0	15° 7	16°35	11°48	29°D38	S 28
M29	14 26 41	8°19'07	9♌31	10° 2	4°16	3°49	14°40	19°36	9°20	29°39	25° 1	15°R 8	16°32	11°55	29°38	M29
T 30	14 30 37	9♉17'12	23♌29	9♉25	5♉30	3♍59	14♎33	19♏31	9♉24	29♌38	25♈ 3	15♐ 7	16♐29	12♑ 1	29♌39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n22	17n11	3s22	12n 2	1n33	1s28	1s28	13n16	3n14	5s38	1n36	15s48	2n25	13n45	0s24	12n11	0n45	6s 0	16s36	22s51	22s57	21s22	5n46	6s 0
T 2	4 45	13 1	4 12	12 48	1 43	0 58	1 28	13 17	3 11	5 36	1 36	15 47	2 25	13 46	0 24	12 12	0 45	5 59	16 36	22 51	22 57	21 21	5 47	5 59
W 3	5 8	8 9	4 46	13 31	1 54	0 28	1 27	13 18	3 9	5 33	1 36	15 46	2 25	13 47	0 24	12 12	0 45	5 59	16 36	22 50	22 56	21 20	5 49	5 59
T 4	5 31	2 54	5 2	14 12	2 4	0n 2	1 27	13 19	3 6	5 30	1 36	15 45	2 25	13 48	0 24	12 13	0 45	5 58	16 36	22 49	22 56	21 18	5 51	5 58
F 5	5 54	2s26	5 1	14 50	2 13	0 31	1 27	13 19	3 3	5 27	1 36	15 44	2 25	13 49	0 24	12 13	0 45	5 58	16 36	22 48	22 56	21 17	5 52	5 57
S 6	6 16	7 34	4 42	15 25	2 22	1 1	1 26	13 19	3 1	5 24	1 36	15 44	2 25	13 50	0 24	12 13	0 45	5 57	16 36	22 47	22 56	21 16	5 54	5 57
S 7	6 39	12 14	4 9	15 57	2 30	1 31	1 26	13 18	2 58	5 21	1 36	15 43	2 26	13 51	0 24	12 14	0 45	5 56	16 36	22 46	22 55	21 15	5 55	5 56
M 8	7 2	16 14	3 22	16 27	2 37	2 1	1 25	13 17	2 56	5 18	1 36	15 42	2 26	13 52	0 24	12 14	0 45	5 56	16 36	22 45	22 55	21 13	5 57	5 55
T 9	7 24	19 23	2 27	16 54	2 43	2 31	1 25	13 16	2 53	5 15	1 36	15 41	2 26	13 54	0 24	12 14	0 45	5 55	16 36	22 45	22 55	21 12	5 58	5 54
W10	7 46	21 32	1 25	17 17	2 48	3 0	1 24	13 15	2 50	5 12	1 36	15 40	2 26	13 55	0 24	12 15	0 45	5 55	16 36	22 44	22 54	21 11	5 59	5 54
T 11	8 8	22 37	0 21	17 38	2 52	3 30	1 23	13 13	2 48	5 9	1 36	15 39	2 26	13 56	0 24	12 15	0 45	5 54	16 36	22 44	22 54	21 9	6 1	5 53
F 12	8 30	22 38	0n43	17 56	2 55	4 0	1 22	13 12	2 45	5 6	1 36	15 38	2 26	13 57	0 24	12 15	0 45	5 54	16 36	22 44	22 54	21 8	6 2	5 52
S 13	8 52	21 37	1 45	18 10	2 57	4 29	1 21	13 9	2 43	5 4	1 35	15 37	2 26	13 58	0 24	12 16	0 45	5 53	16 36	22 44	22 53	21 7	6 4	5 51
S 14	9 14	19 39	2 42	18 22	2 58	4 59	1 20	13 7	2 40	5 1	1 35	15 36	2 26	13 59	0 24	12 16	0 45	5 53	16 36	22 44	22 53	21 6	6 5	5 50
M15	9 35	16 51	3 33	18 30	2 58	5 28	1 19	13 4	2 38	4 58	1 35	15 34	2 26	14 0	0 24	12 16	0 45	5 52	16 36	22 44	22 53	21 4	6 6	5 50
T 16	9 57	13 19	4 15	18 36	2 57	5 57	1 18	13 2	2 35	4 55	1 35	15 33	2 26	14 1	0 24	12 17	0 45	5 52	16 36	22 44	22 53	21 3	6 7	5 49
W17	10 18	9 11	4 46	18 38	2 54	6 27	1 17	12 58	2 32	4 52	1 35	15 32	2 26	14 2	0 24	12 17	0 45	5 51	16 36	22 44	22 52	21 2	6 9	5 48
T 18	10 39	4 35	5 4	18 37	2 50	6 56	1 16	12 55	2 30	4 49	1 35	15 31	2 27	14 3	0 24	12 17	0 45	5 51	16 36	22 43	22 52	21 0	6 10	5 47
F 19	11 0	0n20	5 8	18 34	2 44	7 24	1 15	12 51	2 27	4 47	1 35	15 30	2 27	14 5	0 24	12 17	0 45	5 50	16 36	22 43	22 52	20 59	6 11	5 46
S 20	11 21	5 21	4 55	18 27	2 37	7 53	1 14	12 48	2 25	4 44	1 35	15 29	2 27	14 6	0 24	12 17	0 45	5 50	16 36	22 42	22 51	20 58	6 12	5 46
S 21	11 41	10 16	4 27	18 17	2 29	8 22	1 12	12 44	2 22	4 41	1 35	15 28	2 27	14 7	0 24	12 18	0 45	5 49	16 36	22 41	22 51	20 56	6 13	5 45
M22	12 2	14 46	3 41	18 5	2 20	8 50	1 11	12 39	2 20	4 39	1 35	15 27	2 27	14 8	0 24	12 18	0 45	5 49	16 36	22 40	22 51	20 55	6 14	5 44
T 23	12 22	18 32	2 42	17 49	2 9	9 18	1 9	12 35	2 18	4 36	1 35	15 26	2 27	14 9	0 24	12 18	0 45	5 49	16 36	22 40	22 50	20 53	6 15	5 43
W24	12 42	21 14	1 32	17 32	1 57	9 46	1 8	12 30	2 15	4 33	1 34	15 24	2 27	14 10	0 24	12 18	0 45	5 48	16 36	22 39	22 50	20 52	6 16	5 42
T 25	13 2	22 34	0 15	17 12	1 44	10 14	1 6	12 25	2 13	4 31	1 34	15 23	2 27	14 11	0 24	12 18	0 45	5 48	16 36	22 39	22 50	20 51	6 17	5 42
F 26	13 21	22 24	1s 3	16 49	1 30	10 41	1 5	12 20	2 10	4 28	1 34	15 22	2 27	14 12	0 24	12 19	0 45	5 47	16 36	22 39	22 49	20 49	6 18	5 41
S 27	13 41	20 45	2 17	16 25	1 15	11 8	1 3	12 14	2 8	4 26	1 34	15 21	2 27	14 13	0 24	12 19	0 45	5 47	16 36	22 39	22 49	20 48	6 19	5 40
S 28	14 0	17 48	3 22	16 0	1 0	11 35	1 2	12 9	2 6	4 23	1 34	15 20	2 27	14 15	0 24	12 19	0 45	5 46	16 36	22 39	22 49	20 47	6 20	5 39
M29	14 18	13 50	4 14	15 33	0 43	12 2	1 0	12 3	2 4	4 21	1 34	15 19	2 27	14 16	0 24	12 19	0 45	5 46	16 36	22 40	22 48	20 45	6 20	5 38
T 30	14n37	9n 9	4s50	15n 5	0n26	12n28	0s58	11n57	2n 1	4s19	1n34	15s17	2n27	14n17	0s24	12n19	0n45	5s46	16s36	22s39	22s48	20s44	6n21	5s37

Julian Day Number = 2306268.5, Delta T = 85.88 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'21, Lahiri = 18°18'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

MAY 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 34 34	10♉15'15	7♍17	8°R48	6♉44	4♍10	14°R27	19°R27	9♉27	29°R38	25♈ 4	15°R 4	16♐26	12♑ 8	29♌39	W 1
T 2	14 38 30	11°13'16	20°54	8♉10	7°58	4°22	14♎20	19♏22	9°31	29♌38	25° 5	15♐ 0	16°23	12°15	29°39	T 2
F 3	14 42 27	12°11'15	4♎18	7°34	9°12	4°34	14°14	19°18	9°34	29°38	25° 7	14°56	16°19	12°21	29°40	F 3
S 4	14 46 24	13° 9'12	17°29	6°59	10°26	4°47	14° 8	19°14	9°37	29°37	25° 8	14°50	16°16	12°28	29°40	S 4
S 5	14 50 20	14° 7'08	0♏26	6°26	11°40	5° 1	14° 2	19° 9	9°41	29°37	25° 9	14°45	16°13	12°35	29°41	S 5
M 6	14 54 17	15° 5'02	13° 9	5°56	12°54	5°15	13°57	19° 5	9°44	29°37	25°11	14°41	16°10	12°41	29°42	M 6
T 7	14 58 13	16° 2'55	25°38	5°28	14° 8	5°29	13°51	19° 0	9°48	29°37	25°12	14°39	16° 7	12°48	29°43	T 7
W 8	15 2 10	17° 0'46	7♐54	5° 5	15°21	5°44	13°46	18°56	9°51	29°37	25°13	14°37	16° 4	12°55	29°44	W 8
T 9	15 6 6	17°58'36	19°59	4°45	16°35	5°59	13°40	18°51	9°55	29°37	25°14	14°D37	16° 0	13° 1	29°45	T 9
F 10	15 10 3	18°56'24	1♑55	4°29	17°49	6°15	13°35	18°47	9°58	29°37	25°16	14°38	15°57	13° 8	29°46	F 10
S 11	15 13 59	19°54'11	13°46	4°17	19° 3	6°32	13°30	18°42	10° 2	29°D37	25°17	14°40	15°54	13°15	29°48	S 11
S 12	15 17 56	20°51'57	25°35	4°10	20°17	6°48	13°25	18°38	10° 5	29°37	25°18	14°41	15°51	13°21	29°49	S 12
M13	15 21 53	21°49'42	7♒27	4°D 7	21°31	7° 6	13°20	18°33	10° 9	29°37	25°20	14°43	15°48	13°28	29°51	M13
T 14	15 25 49	22°47'26	19°27	4° 8	22°44	7°23	13°16	18°29	10°12	29°37	25°21	14°R44	15°45	13°35	29°52	T 14
W15	15 29 46	23°45'08	1♓39	4°15	23°58	7°41	13°11	18°25	10°15	29°37	25°22	14°43	15°41	13°41	29°54	W15
T 16	15 33 42	24°42'49	14° 7	4°26	25°12	8° 0	13° 7	18°20	10°19	29°37	25°23	14°42	15°38	13°48	29°56	T 16
F 17	15 37 39	25°40'30	26°57	4°41	26°26	8°19	13° 3	18°16	10°22	29°37	25°25	14°40	15°35	13°55	29°58	F 17
S 18	15 41 35	26°38'09	10♈10	5° 1	27°40	8°38	12°59	18°11	10°25	29°37	25°26	14°38	15°32	14° 1	0♍ 0	S 18
S 19	15 45 32	27°35'47	23°48	5°25	28°53	8°58	12°55	18° 7	10°29	29°38	25°27	14°36	15°29	14° 8	0° 3	S 19
M20	15 49 28	28°33'24	7♉50	5°53	0♊ 7	9°18	12°51	18° 2	10°32	29°38	25°28	14°34	15°25	14°15	0° 5	M20
T 21	15 53 25	29°31'00	22°12	6°26	1°21	9°39	12°48	17°58	10°36	29°38	25°29	14°32	15°22	14°21	0° 8	T 21
W22	15 57 22	0♊28'35	6♊51	7° 2	2°35	10° 0	12°45	17°54	10°39	29°39	25°31	14°31	15°19	14°28	0°10	W22
T 23	16 1 18	1°26'09	21°39	7°43	3°48	10°21	12°42	17°49	10°42	29°39	25°32	14°D31	15°16	14°35	0°13	T 23
F 24	16 5 15	2°23'42	6♋29	8°27	5° 2	10°43	12°39	17°45	10°45	29°39	25°33	14°32	15°13	14°41	0°16	F 24
S 25	16 9 11	3°21'13	21°14	9°15	6°16	11° 5	12°36	17°41	10°49	29°40	25°34	14°33	15°10	14°48	0°19	S 25
S 26	16 13 8	4°18'43	5♌48	10° 6	7°30	11°27	12°33	17°37	10°52	29°40	25°35	14°34	15° 6	14°55	0°22	S 26
M27	16 17 4	5°16'12	20° 7	11° 2	8°44	11°50	12°31	17°33	10°55	29°41	25°36	14°34	15° 3	15° 1	0°25	M27
T 28	16 21 1	6°13'39	4♍ 8	12° 0	9°57	12°13	12°28	17°28	10°58	29°41	25°37	14°R35	15° 0	15° 8	0°28	T 28
W29	16 24 57	7°11'05	17°50	13° 2	11°11	12°37	12°26	17°24	11° 2	29°42	25°39	14°34	14°57	15°15	0°31	W29
T 30	16 28 54	8° 8'30	1♎15	14° 7	12°25	13° 0	12°24	17°20	11° 5	29°43	25°40	14°34	14°54	15°21	0°35	T 30
F 31	16 32 51	9♊ 5'53	14♎22	15♉15	13♊38	13♍24	12♎23	17♏16	11♉ 8	29♌43	25♈41	14♐33	14♐51	15♑28	0♍38	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n56	4n 4	5s 9	14n37	0n 9	12n54	0s56	11n51	1n59	4s16	1n33	15s16	2n27	14n18	0s24	12n19	0n45	5s45	16s36	22s39	22s48	20s42	6n22	5s36
T 2	15 14	1s 8	5 10	14 8	0s 8	13 20	0 54	11 44	1 57	4 14	1 33	15 15	2 27	14 19	0 24	12 19	0 45	5 45	16 36	22 39	22 48	20 41	6 22	5 36
F 3	15 32	6 13	4 54	13 40	0 25	13 46	0 53	11 38	1 55	4 12	1 33	15 14	2 27	14 20	0 24	12 19	0 45	5 44	16 36	22 38	22 47	20 40	6 23	5 35
S 4	15 49	10 55	4 23	13 12	0 43	14 11	0 51	11 31	1 52	4 10	1 33	15 13	2 27	14 21	0 24	12 20	0 45	5 44	16 36	22 38	22 47	20 38	6 24	5 34
S 5	16 7	15 3	3 39	12 45	0 59	14 36	0 49	11 24	1 50	4 8	1 33	15 11	2 27	14 22	0 24	12 20	0 45	5 44	16 36	22 37	22 47	20 37	6 24	5 33
M 6	16 24	18 25	2 44	12 20	1 16	15 0	0 47	11 17	1 48	4 5	1 33	15 10	2 27	14 23	0 24	12 20	0 45	5 43	16 37	22 37	22 46	20 35	6 25	5 32
T 7	16 41	20 52	1 42	11 56	1 32	15 24	0 45	11 10	1 46	4 3	1 32	15 9	2 27	14 25	0 24	12 20	0 45	5 43	16 37	22 36	22 46	20 34	6 25	5 31
W 8	16 57	22 17	0 37	11 34	1 47	15 48	0 43	11 2	1 44	4 2	1 32	15 8	2 27	14 26	0 24	12 20	0 45	5 42	16 37	22 36	22 46	20 33	6 26	5 31
T 9	17 13	22 37	0n30	11 14	2 1	16 11	0 40	10 55	1 42	4 0	1 32	15 7	2 27	14 27	0 24	12 20	0 45	5 42	16 37	22 36	22 45	20 31	6 26	5 30
F 10	17 29	21 55	1 34	10 56	2 14	16 34	0 38	10 47	1 40	3 58	1 32	15 6	2 27	14 28	0 24	12 20	0 45	5 42	16 37	22 36	22 45	20 30	6 26	5 29
S 11	17 45	20 14	2 34	10 40	2 27	16 56	0 36	10 39	1 38	3 56	1 32	15 4	2 27	14 29	0 24	12 20	0 45	5 41	16 37	22 36	22 45	20 28	6 27	5 28
S 12	18 1	17 41	3 27	10 27	2 38	17 18	0 34	10 31	1 36	3 54	1 31	15 3	2 27	14 30	0 24	12 20	0 45	5 41	16 37	22 37	22 44	20 27	6 27	5 27
M13	18 16	14 23	4 11	10 16	2 49	17 40	0 32	10 23	1 34	3 53	1 31	15 2	2 27	14 31	0 24	12 20	0 45	5 41	16 37	22 37	22 44	20 26	6 27	5 26
T 14	18 31	10 30	4 46	10 8	2 58	18 1	0 30	10 14	1 32	3 51	1 31	15 1	2 27	14 32	0 24	12 20	0 44	5 41	16 38	22 37	22 44	20 24	6 27	5 26
W15	18 45	6 7	5 7	10 2	3 6	18 22	0 27	10 6	1 30	3 50	1 31	15 0	2 27	14 33	0 24	12 20	0 44	5 40	16 38	22 37	22 43	20 23	6 28	5 25
T 16	18 59	1 24	5 16	9 59	3 14	18 42	0 25	9 57	1 28	3 48	1 30	14 59	2 27	14 34	0 24	12 19	0 44	5 40	16 38	22 37	22 43	20 21	6 28	5 24
F 17	19 13	3n30	5 8	9 58	3 20	19 2	0 23	9 48	1 26	3 47	1 30	14 57	2 26	14 35	0 24	12 19	0 44	5 40	16 38	22 36	22 43	20 20	6 28	5 23
S 18	19 27	8 24	4 45	9 59	3 26	19 21	0 21	9 39	1 24	3 45	1 30	14 56	2 26	14 36	0 24	12 19	0 44	5 39	16 38	22 36	22 42	20 18	6 28	5 22
S 19	19 40	13 3	4 5	10 3	3 30	19 39	0 18	9 30	1 22	3 44	1 30	14 55	2 26	14 37	0 24	12 19	0 44	5 39	16 38	22 36	22 42	20 17	6 28	5 21
M20	19 53	17 8	3 9	10 9	3 33	19 58	0 16	9 20	1 21	3 43	1 30	14 54	2 26	14 38	0 24	12 19	0 44	5 39	16 38	22 36	22 41	20 15	6 28	5 21
T 21	20 5	20 18	2 0	10 18	3 36	20 15	0 14	9 11	1 19	3 42	1 29	14 53	2 26	14 40	0 24	12 19	0 44	5 39	16 39	22 36	22 41	20 14	6 28	5 20
W22	20 18	22 12	0 42	10 28	3 37	20 32	0 11	9 1	1 17	3 41	1 29	14 52	2 26	14 41	0 24	12 19	0 44	5 38	16 39	22 35	22 41	20 12	6 27	5 19
T 23	20 30	22 34	0s39	10 40	3 38	20 49	0 9	8 52	1 15	3 40	1 29	14 51	2 26	14 42	0 24	12 19	0 44	5 38	16 39	22 35	22 40	20 11	6 27	5 18
F 24	20 41	21 21	1 59	10 55	3 38	21 5	0 6	8 42	1 13	3 39	1 29	14 50	2 26	14 43	0 24	12 19	0 44	5 38	16 39	22 35	22 40	20 9	6 27	5 17
S 25	20 52	18 41	3 10	11 11	3 37	21 20	0 4	8 32	1 12	3 38	1 28	14 49	2 26	14 44	0 24	12 18	0 44	5 38	16 39	22 36	22 40	20 8	6 27	5 16
S 26	21 3	14 52	4 8	11 29	3 35	21 35	0 2	8 22	1 10	3 37	1 28	14 48	2 26	14 45	0 24	12 18	0 44	5 37	16 40	22 36	22 39	20 6	6 27	5 16
M27	21 14	10 14	4 49	11 48	3 32	21 49	0n 1	8 11	1 8	3 36	1 28	14 46	2 25	14 46	0 24	12 18	0 44	5 37	16 40	22 36	22 39	20 5	6 26	5 15
T 28	21 24	5 10	5 12	12 9	3 29	22 2	0 3	8 1	1 7	3 36	1 28	14 45	2 25	14 47	0 24	12 18	0 44	5 37	16 40	22 36	22 39	20 3	6 26	5 14
W29	21 33	0s 3	5 17	12 31	3 25	22 15	0 5	7 51	1 5	3 35	1 27	14 44	2 25	14 48	0 24	12 18	0 44	5 37	16 40	22 36	22 38	20 2	6 25	5 13
T 30	21 43	5 8	5 4	12 55	3 20	22 28	0 8	7 40	1 3	3 35	1 27	14 43	2 25	14 49	0 24	12 17	0 44	5 37	16 40	22 36	22 38	20 0	6 25	5 12
F 31	21n52	9s54	4s36	13n20	3s15	22n39	0n10	7n29	1n 2	3s34	1n27	14s42	2n25	14n50	0s24	12n17	0n44	5s37	16s41	22s36	22s38	19s59	6n24	5s12

Julian Day Number = 2306298.5, Delta T = 85.77 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'25, Lahiri = 18°18'25Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1602
geocentric

JUNE 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 36 47	10♊ 3'16	27♎13	16♉27	14♊52	13♍49	12°R21	17°R12	11♉11	29♌44	25♈42	14°R33	14♐47	15♑35	0♍42	S 1
S 2	16 40 44	11° 0'37	9♏49	17°41	16° 6	14°13	12♎20	17♏ 8	11°14	29°45	25°43	14♐32	14°44	15°41	0°46	S 2
M 3	16 44 40	11°57'58	22°14	18°59	17°19	14°38	12°19	17° 5	11°17	29°45	25°44	14°32	14°41	15°48	0°49	M 3
T 4	16 48 37	12°55'17	4♐27	20°19	18°33	15° 4	12°18	17° 1	11°20	29°46	25°45	14°32	14°38	15°55	0°53	T 4
W 5	16 52 33	13°52'36	16°31	21°43	19°47	15°29	12°17	16°57	11°24	29°47	25°46	14°D32	14°35	16° 1	0°57	W 5
T 6	16 56 30	14°49'54	28°29	23° 9	21° 1	15°55	12°16	16°53	11°27	29°48	25°47	14°R32	14°31	16° 8	1° 2	T 6
F 7	17 0 26	15°47'12	10♑21	24°39	22°14	16°21	12°16	16°50	11°30	29°48	25°48	14°32	14°28	16°15	1° 6	F 7
S 8	17 4 23	16°44'28	22°10	26°11	23°28	16°47	12°15	16°46	11°33	29°49	25°49	14°32	14°25	16°21	1°10	S 8
S 9	17 8 20	17°41'45	4♒ 0	27°46	24°42	17°14	12°D15	16°43	11°36	29°50	25°50	14°31	14°22	16°28	1°14	S 9
M10	17 12 16	18°39'01	15°53	29°24	25°55	17°41	12°15	16°39	11°39	29°51	25°51	14°31	14°19	16°35	1°19	M10
T 11	17 16 13	19°36'16	27°53	1♊ 5	27° 9	18° 8	12°15	16°36	11°41	29°52	25°51	14°30	14°16	16°41	1°24	T 11
W12	17 20 9	20°33'31	10♓ 4	2°49	28°23	18°35	12°16	16°32	11°44	29°53	25°52	14°30	14°12	16°48	1°28	W12
T 13	17 24 6	21°30'46	22°31	4°35	29°36	19° 3	12°17	16°29	11°47	29°54	25°53	14°D30	14° 9	16°55	1°33	T 13
F 14	17 28 2	22°28'01	5♈17	6°25	0♋50	19°31	12°17	16°26	11°50	29°55	25°54	14°30	14° 6	17° 1	1°38	F 14
S 15	17 31 59	23°25'15	18°26	8°16	2° 3	19°59	12°18	16°23	11°53	29°56	25°55	14°31	14° 3	17° 8	1°43	S 15
S 16	17 35 55	24°22'29	2♉ 0	10°11	3°17	20°27	12°19	16°20	11°56	29°57	25°56	14°31	14° 0	17°15	1°48	S 16
M17	17 39 52	25°19'43	16° 1	12° 8	4°31	20°56	12°21	16°17	11°58	29°59	25°57	14°32	13°57	17°21	1°53	M17
T 18	17 43 49	26°16'58	0♊26	14° 7	5°44	21°25	12°22	16°14	12° 1	29°59	25°57	14°33	13°53	17°28	1°58	T 18
W19	17 47 45	27°14'12	15°14	16° 8	6°58	21°54	12°24	16°11	12° 4	0♍ 1	25°58	14°R33	13°50	17°35	2° 3	W19
T 20	17 51 42	28°11'25	0♋15	18°12	8°12	22°23	12°26	16° 8	12° 6	0° 2	25°59	14°33	13°47	17°41	2° 9	T 20
F 21	17 55 38	29° 8'39	15°23	20°17	9°25	22°53	12°28	16° 6	12° 9	0° 3	26° 0	14°32	13°44	17°48	2°14	F 21
S 22	17 59 35	0♌ 5'52	0♌29	22°23	10°39	23°22	12°30	16° 3	12°12	0° 5	26° 0	14°30	13°41	17°55	2°20	S 22
S 23	18 3 31	1° 3'05	15°22	24°32	11°53	23°52	12°32	16° 1	12°14	0° 6	26° 1	14°28	13°37	18° 1	2°25	S 23
M24	18 7 28	2° 0'17	29°56	26°41	13° 6	24°22	12°35	15°58	12°17	0° 7	26° 2	14°26	13°34	18° 8	2°31	M24
T 25	18 11 24	2°57'28	14♍ 8	28°51	14°20	24°53	12°38	15°56	12°19	0° 9	26° 2	14°25	13°31	18°15	2°37	T 25
W26	18 15 21	3°54'40	27°54	1♋ 1	15°34	25°23	12°40	15°53	12°22	0°10	26° 3	14°D24	13°28	18°21	2°43	W26
T 27	18 19 18	4°51'51	11♎16	3°12	16°47	25°54	12°43	15°51	12°24	0°12	26° 4	14°24	13°25	18°28	2°49	T 27
F 28	18 23 14	5°49'01	24°15	5°22	18° 1	26°25	12°47	15°49	12°26	0°13	26° 4	14°25	13°22	18°35	2°55	F 28
S 29	18 27 11	6°46'12	6♏54	7°33	19°14	26°56	12°50	15°47	12°29	0°14	26° 5	14°26	13°18	18°41	3° 1	S 29
S 30	18 31 7	7♋43'22	19♏18	9♋42	20♋28	27♍28	12♎54	15♏45	12♉31	0♍16	26♈ 5	14♐28	13♐15	18♑48	3♍ 7	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 0	14s 8	3s54	13n46	3s 9	22n50	0n13	7n18	1n 0	3s34	1n26	14s41	2n25	14n51	0s24	12n17	0n44	5s36	16s41	22s36	22s37	19s57	6n24	5s11
S 2	22 9	17 39	3 1	14 13	3 2	23 1	0 15	7 7	0 59	3 34	1 26	14 41	2 25	14 52	0 24	12 17	0 44	5 36	16 41	22 36	22 37	19 56	6 23	5 10
M 3	22 16	20 19	2 1	14 41	2 55	23 10	0 17	6 56	0 57	3 33	1 26	14 40	2 25	14 53	0 24	12 16	0 44	5 36	16 41	22 35	22 37	19 54	6 23	5 9
T 4	22 24	21 59	0 56	15 10	2 48	23 19	0 20	6 45	0 55	3 33	1 26	14 39	2 24	14 54	0 24	12 16	0 44	5 36	16 42	22 35	22 36	19 53	6 22	5 9
W 5	22 31	22 37	0n11	15 40	2 39	23 28	0 22	6 34	0 54	3 33	1 25	14 38	2 24	14 54	0 24	12 16	0 44	5 36	16 42	22 35	22 36	19 51	6 21	5 8
T 6	22 38	22 12	1 17	16 10	2 31	23 35	0 24	6 22	0 52	3 33	1 25	14 37	2 24	14 55	0 24	12 15	0 44	5 36	16 42	22 35	22 35	19 50	6 21	5 7
F 7	22 44	20 47	2 19	16 41	2 22	23 42	0 27	6 11	0 51	3 33	1 25	14 36	2 24	14 56	0 24	12 15	0 44	5 36	16 42	22 35	22 35	19 48	6 20	5 6
S 8	22 50	18 28	3 14	17 12	2 12	23 49	0 29	5 59	0 49	3 33	1 25	14 35	2 24	14 57	0 24	12 15	0 44	5 36	16 43	22 35	22 35	19 47	6 19	5 5
S 9	22 55	15 23	4 2	17 43	2 2	23 54	0 31	5 47	0 48	3 34	1 24	14 34	2 24	14 58	0 24	12 14	0 44	5 35	16 43	22 35	22 34	19 45	6 18	5 5
M10	23 0	11 40	4 39	18 15	1 52	23 59	0 34	5 35	0 46	3 34	1 24	14 34	2 23	14 59	0 24	12 14	0 44	5 35	16 43	22 35	22 34	19 44	6 17	5 4
T 11	23 5	7 28	5 4	18 46	1 41	24 3	0 36	5 24	0 45	3 34	1 24	14 33	2 23	15 0	0 24	12 14	0 44	5 35	16 43	22 35	22 34	19 42	6 17	5 3
W12	23 9	2 55	5 16	19 17	1 30	24 7	0 38	5 11	0 44	3 35	1 23	14 32	2 23	15 1	0 24	12 13	0 44	5 35	16 44	22 35	22 33	19 41	6 16	5 3
T 13	23 13	1n50	5 14	19 48	1 19	24 10	0 40	4 59	0 42	3 35	1 23	14 31	2 23	15 2	0 24	12 13	0 44	5 35	16 44	22 35	22 33	19 39	6 15	5 2
F 14	23 17	6 38	4 57	20 19	1 8	24 12	0 42	4 47	0 41	3 36	1 23	14 31	2 23	15 3	0 24	12 13	0 44	5 35	16 44	22 35	22 32	19 37	6 14	5 1
S 15	23 20	11 18	4 24	20 48	0 57	24 13	0 44	4 35	0 39	3 36	1 23	14 30	2 22	15 3	0 24	12 12	0 44	5 35	16 44	22 35	22 32	19 36	6 13	5 0
S 16	23 22	15 33	3 35	21 17	0 45	24 13	0 47	4 22	0 38	3 37	1 22	14 29	2 22	15 4	0 24	12 12	0 44	5 35	16 45	22 35	22 32	19 34	6 11	5 0
M17	23 24	19 5	2 32	21 44	0 33	24 13	0 49	4 10	0 37	3 38	1 22	14 28	2 22	15 5	0 24	12 11	0 44	5 35	16 45	22 36	22 31	19 33	6 10	4 59
T 18	23 26	21 33	1 17	22 11	0 22	24 13	0 51	3 57	0 35	3 39	1 22	14 28	2 22	15 6	0 24	12 11	0 44	5 35	16 45	22 36	22 31	19 31	6 9	4 58
W19	23 28	22 36	0s 4	22 35	0 11	24 11	0 53	3 44	0 34	3 39	1 22	14 27	2 22	15 7	0 24	12 11	0 44	5 35	16 46	22 36	22 31	19 30	6 8	4 57
T 20	23 29	22 3	1 26	22 58	0n 1	24 9	0 55	3 32	0 33	3 40	1 21	14 27	2 21	15 8	0 24	12 10	0 44	5 35	16 46	22 36	22 30	19 28	6 7	4 57
F 21	23 29	19 54	2 43	23 19	0 12	24 6	0 57	3 19	0 31	3 41	1 21	14 26	2 21	15 8	0 24	12 10	0 44	5 35	16 46	22 35	22 30	19 26	6 5	4 56
S 22	23 29	16 23	3 48	23 38	0 22	24 2	0 58	3 6	0 30	3 43	1 21	14 26	2 21	15 9	0 24	12 9	0 44	5 35	16 46	22 35	22 29	19 25	6 4	4 55
S 23	23 29	11 52	4 36	23 55	0 32	23 58	1 0	2 53	0 29	3 44	1 20	14 25	2 21	15 10	0 24	12 9	0 44	5 35	16 47	22 35	22 29	19 23	6 3	4 55
M24	23 28	6 44	5 6	24 9	0 42	23 52	1 2	2 40	0 28	3 45	1 20	14 25	2 21	15 11	0 24	12 8	0 44	5 35	16 47	22 35	22 29	19 22	6 1	4 54
T 25	23 27	1 24	5 16	24 21	0 52	23 47	1 4	2 26	0 26	3 46	1 20	14 24	2 20	15 11	0 24	12 8	0 44	5 35	16 47	22 35	22 28	19 20	6 0	4 53
W26	23 26	3s52	5 7	24 29	1 0	23 40	1 6	2 13	0 25	3 48	1 20	14 24	2 20	15 12	0 24	12 7	0 44	5 35	16 48	22 35	22 28	19 18	5 58	4 53
T 27	23 24	8 47	4 42	24 35	1 8	23 33	1 7	2 0	0 24	3 49	1 19	14 23	2 20	15 13	0 24	12 7	0 44	5 35	16 48	22 35	22 27	19 17	5 57	4 52
F 28	23 22	13 11	4 3	24 39	1 16	23 25	1 9	1 46	0 23	3 51	1 19	14 23	2 20	15 14	0 24	12 6	0 44	5 36	16 48	22 35	22 27	19 15	5 55	4 51
S 29	23 19	16 53	3 13	24 39	1 23	23 16	1 10	1 33	0 21	3 52	1 19	14 23	2 19	15 14	0 24	12 6	0 44	5 36	16 49	22 35	22 27	19 14	5 54	4 51
S 30	23n16	19s45	2s14	24n37	1n29	23n 7	1n12	1n19	0n20	3s54	1n19	14s22	2n19	15n15	0s24	12n 5	0n44	5s36	16s49	22s35	22s26	19s12	5n52	4s50

Julian Day Number = 2306329.5, Delta T = 85.66 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'29, Lahiri = 18°18'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

JULY 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 35 4	8♋40'32	1♐28	11♋51	21♋42	27♍59	12♎57	15°R43	12♉33	0♍17	26♈ 6	14♐29	13♐12	18♑55	3♍13	M 1
T 2	18 39 0	9°37'42	13°30	13°59	22°55	28°31	13° 1	15♏42	12°36	0°19	26° 6	14°R30	13° 9	19° 1	3°19	T 2
W 3	18 42 57	10°34'52	25°25	16° 5	24° 9	29° 3	13° 5	15°40	12°38	0°21	26° 7	14°29	13° 6	19° 8	3°26	W 3
T 4	18 46 54	11°32'03	7♑16	18°11	25°22	29°35	13° 9	15°38	12°40	0°22	26° 7	14°27	13° 3	19°15	3°32	T 4
F 5	18 50 50	12°29'13	19° 6	20°14	26°36	0♎ 7	13°14	15°37	12°42	0°24	26° 8	14°24	12°59	19°21	3°39	F 5
S 6	18 54 47	13°26'24	0♒55	22°17	27°50	0°39	13°18	15°36	12°44	0°25	26° 8	14°20	12°56	19°28	3°45	S 6
S 7	18 58 43	14°23'34	12°48	24°17	29° 3	1°12	13°23	15°34	12°46	0°27	26° 9	14°15	12°53	19°35	3°52	S 7
M 8	19 2 40	15°20'46	24°45	26°16	0♏17	1°44	13°28	15°33	12°48	0°29	26° 9	14°10	12°50	19°41	3°59	M 8
T 9	19 6 36	16°17'57	6♓49	28°13	1°30	2°17	13°33	15°32	12°50	0°30	26°10	14° 5	12°47	19°48	4° 5	T 9
W10	19 10 33	17°15'10	19° 3	0♏ 9	2°44	2°50	13°38	15°31	12°52	0°32	26°10	14° 1	12°43	19°55	4°12	W10
T 11	19 14 29	18°12'22	1♈30	2° 2	3°57	3°24	13°43	15°30	12°54	0°34	26°10	13°58	12°40	20° 1	4°19	T 11
F 12	19 18 26	19° 9'36	14°13	3°54	5°11	3°57	13°49	15°29	12°56	0°36	26°11	13°D57	12°37	20° 8	4°26	F 12
S 13	19 22 22	20° 6'50	27°17	5°44	6°24	4°31	13°54	15°29	12°58	0°37	26°11	13°57	12°34	20°15	4°33	S 13
S 14	19 26 19	21° 4'05	10♉44	7°32	7°38	5° 4	14° 0	15°28	13° 0	0°39	26°11	13°58	12°31	20°21	4°40	S 14
M15	19 30 16	22° 1'21	24°36	9°18	8°52	5°38	14° 6	15°27	13° 1	0°41	26°11	13°59	12°28	20°28	4°47	M15
T 16	19 34 12	22°58'38	8♊54	11° 3	10° 5	6°12	14°12	15°27	13° 3	0°43	26°12	14°R 0	12°24	20°35	4°54	T 16
W17	19 38 9	23°55'56	23°35	12°46	11°19	6°46	14°18	15°27	13° 5	0°45	26°12	14° 0	12°21	20°41	5° 1	W17
T 18	19 42 5	24°53'14	8♋36	14°26	12°32	7°21	14°24	15°26	13° 6	0°47	26°12	13°58	12°18	20°48	5° 9	T 18
F 19	19 46 2	25°50'33	23°49	16° 6	13°46	7°55	14°31	15°26	13° 8	0°48	26°12	13°54	12°15	20°55	5°16	F 19
S 20	19 49 58	26°47'53	9♌ 3	17°43	14°59	8°30	14°37	15°D26	13° 9	0°50	26°12	13°49	12°12	21° 1	5°24	S 20
S 21	19 53 55	27°45'13	24° 8	19°18	16°13	9° 4	14°44	15°26	13°11	0°52	26°13	13°42	12° 9	21° 8	5°31	S 21
M22	19 57 52	28°42'34	8♍55	20°52	17°26	9°39	14°51	15°26	13°12	0°54	26°13	13°36	12° 5	21°15	5°38	M22
T 23	20 1 48	29°39'55	23°18	22°24	18°40	10°14	14°58	15°27	13°13	0°56	26°13	13°30	12° 2	21°21	5°46	T 23
W24	20 5 45	0♌37'17	7♎12	23°54	19°53	10°50	15° 5	15°27	13°15	0°58	26°13	13°26	11°59	21°28	5°54	W24
T 25	20 9 41	1°34'40	20°37	25°22	21° 7	11°25	15°12	15°27	13°16	1° 0	26°13	13°24	11°56	21°35	6° 1	T 25
F 26	20 13 38	2°32'03	3♏36	26°48	22°20	12° 0	15°19	15°28	13°17	1° 2	26°13	13°D23	11°53	21°41	6° 9	F 26
S 27	20 17 34	3°29'27	16°12	28°13	23°34	12°36	15°27	15°29	13°18	1° 4	26°R13	13°24	11°49	21°48	6°17	S 27
S 28	20 21 31	4°26'51	28°29	29°35	24°47	13°12	15°35	15°29	13°19	1° 6	26°13	13°25	11°46	21°55	6°24	S 28
M29	20 25 27	5°24'16	10♐33	0♍56	26° 1	13°48	15°42	15°30	13°21	1° 8	26°13	13°R26	11°43	22° 2	6°32	M29
T 30	20 29 24	6°21'42	22°28	2°14	27°14	14°24	15°50	15°31	13°22	1°10	26°13	13°25	11°40	22° 8	6°40	T 30
W31	20 33 21	7♌19'09	4♑19	3♍31	28♌27	15♎ 0	15♎58	15♏32	13♉23	1♍12	26♈13	13♐23	11♐37	22♑15	6♍48	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	23n12	21s40	1s11	24n31	1n34	22n57	1n14	1n 6	0n19	3s55	1n18	14s22	2n19	15n16	0s24	12n 5	0n44	5s36	16s49	22s35	22s26	19s10	5n51	4s50	
T 2	23 8	22 34	0 5	24 23	1 39	22 46	1 15	0 52	0 18	3 57	1 18	14 22	2 19	15 16	0 24	12 4	0 44	5 36	16 50	22 35	22 25	19 9	5 49	4 49	
W 3	23 4	22 25	1n 0	24 13	1 43	22 35	1 16	0 38	0 17	3 59	1 18	14 21	2 18	15 17	0 24	12 4	0 44	5 36	16 50	22 35	22 25	19 7	5 47	4 48	
T 4	22 59	21 16	2 2	24 0	1 46	22 23	1 18	0 24	0 16	4 1	1 18	14 21	2 18	15 18	0 24	12 3	0 44	5 36	16 50	22 35	22 25	19 5	5 46	4 48	
F 5	22 54	19 11	2 59	23 44	1 48	22 10	1 19	0 10	0 14	4 3	1 17	14 21	2 18	15 18	0 24	12 2	0 44	5 36	16 50	22 35	22 24	19 4	5 44	4 47	
S 6	22 49	16 18	3 47	23 27	1 50	21 57	1 20	0s 3	0 13	4 5	1 17	14 21	2 18	15 19	0 24	12 2	0 44	5 37	16 51	22 34	22 24	19 2	5 42	4 46	
S 7	22 43	12 44	4 27	23 7	1 51	21 43	1 21	0 17	0 12	4 7	1 17	14 21	2 17	15 20	0 24	12 1	0 44	5 37	16 51	22 33	22 23	19 1	5 40	4 46	
M 8	22 36	8 40	4 54	22 45	1 51	21 29	1 22	0 32	0 11	4 9	1 17	14 21	2 17	15 20	0 24	12 1	0 44	5 37	16 51	22 33	22 23	18 59	5 38	4 45	
T 9	22 30	4 14	5 10	22 22	1 50	21 13	1 23	0 46	0 10	4 11	1 16	14 21	2 17	15 21	0 24	12 0	0 44	5 37	16 52	22 32	22 23	18 57	5 36	4 45	
W10	22 22	0n25	5 11	21 56	1 49	20 58	1 24	1 0	0 9	4 13	1 16	14 20	2 17	15 21	0 24	11 59	0 44	5 37	16 52	22 32	22 22	18 56	5 35	4 44	
T 11	22 15	5 9	4 58	21 30	1 48	20 41	1 25	1 14	0 8	4 16	1 16	14 20	2 16	15 22	0 24	11 59	0 44	5 37	16 52	22 31	22 22	18 54	5 33	4 44	
F 12	22 7	9 46	4 30	21 1	1 45	20 24	1 26	1 28	0 7	4 18	1 16	14 20	2 16	15 22	0 24	11 58	0 44	5 38	16 53	22 31	22 21	18 52	5 31	4 43	
S 13	21 59	14 3	3 47	20 32	1 42	20 7	1 27	1 43	0 6	4 20	1 15	14 20	2 16	15 23	0 24	11 57	0 44	5 38	16 53	22 31	22 21	18 51	5 29	4 42	
S 14	21 50	17 47	2 51	20 1	1 39	19 49	1 28	1 57	0 5	4 23	1 15	14 21	2 16	15 24	0 24	11 57	0 44	5 38	16 53	22 31	22 21	18 49	5 27	4 42	
M15	21 41	20 38	1 44	19 29	1 35	19 30	1 28	2 11	0 4	4 25	1 15	14 21	2 15	15 24	0 24	11 56	0 44	5 38	16 54	22 32	22 20	18 47	5 25	4 41	
T 16	21 32	22 17	0 28	18 57	1 30	19 11	1 29	2 26	0 2	4 28	1 15	14 21	2 15	15 25	0 24	11 56	0 44	5 38	16 54	22 32	22 20	18 46	5 22	4 41	
W17	21 22	22 28	0s52	18 23	1 25	18 51	1 30	2 40	0 1	4 30	1 14	14 21	2 15	15 25	0 24	11 55	0 44	5 39	16 54	22 32	22 19	18 44	5 20	4 40	
T 18	21 12	21 3	2 10	17 49	1 20	18 31	1 30	2 55	0 0	4 33	1 14	14 21	2 15	15 26	0 24	11 54	0 44	5 39	16 55	22 31	22 19	18 42	5 18	4 40	
F 19	21 1	18 7	3 19	17 14	1 14	18 10	1 30	3 9	0s 1	4 36	1 14	14 21	2 14	15 26	0 24	11 54	0 44	5 39	16 55	22 31	22 19	18 41	5 16	4 39	
S 20	20 50	13 56	4 14	16 38	1 8	17 49	1 31	3 24	0 2	4 39	1 14	14 22	2 14	15 26	0 24	11 53	0 44	5 39	16 55	22 30	22 18	18 39	5 14	4 39	
S 21	20 39	8 55	4 51	16 2	1 1	17 28	1 31	3 39	0 3	4 41	1 13	14 22	2 14	15 27	0 24	11 52	0 44	5 40	16 56	22 30	22 18	18 37	5 12	4 38	
M22	20 28	3 29	5 8	15 25	0 54	17 5	1 31	3 53	0 4	4 44	1 13	14 22	2 14	15 27	0 24	11 51	0 44	5 40	16 56	22 29	22 17	18 36	5 9	4 38	
T 23	20 16	1s59	5 4	14 49	0 47	16 43	1 31	4 8	0 5	4 47	1 13	14 22	2 13	15 28	0 24	11 51	0 44	5 40	16 56	22 28	22 17	18 34	5 7	4 37	
W24	20 4	7 11	4 43	14 12	0 39	16 20	1 31	4 23	0 5	4 50	1 13	14 23	2 13	15 28	0 24	11 50	0 44	5 41	16 57	22 28	22 16	18 32	5 5	4 37	
T 25	19 51	11 52	4 6	13 35	0 31	15 56	1 31	4 37	0 6	4 53	1 12	14 23	2 13	15 28	0 24	11 49	0 44	5 41	16 57	22 27	22 16	18 30	5 2	4 36	
F 26	19 38	15 51	3 18	12 57	0 22	15 32	1 31	4 52	0 7	4 56	1 12	14 24	2 13	15 29	0 24	11 49	0 44	5 41	16 58	22 27	22 16	18 29	5 0	4 36	
S 27	19 25	18 59	2 22	12 20	0 14	15 8	1 31	5 7	0 8	4 59	1 12	14 24	2 12	15 29	0 24	11 48	0 44	5 42	16 58	22 27	22 15	18 27	4 58	4 35	
S 28	19 11	21 10	1 20	11 43	0 5	14 43	1 31	5 22	0 9	5 2	1 12	14 24	2 12	15 29	0 24	11 47	0 44	5 42	16 58	22 27	22 15	18 25	4 55	4 35	
M29	18 58	22 20	0 15	11 6	0s 5	14 18	1 31	5 37	0 10	5 6	1 12	14 25	2 12	15 30	0 24	11 47	0 44	5 42	16 59	22 28	22 14	18 24	4 53	4 34	
T 30	18 43	22 28	0n49	10 29	0 14	13 52	1 30	5 51	0 11	5 9	1 11	14 25	2 12	15 30	0 24	11 46	0 44	5 43	16 59	22 28	22 14	18 22	4 50	4 34	
W31	18n29	21s35	1n50	9n52	0s24	13n26	1n30	6s 6	0s12	5s12	1n11	14s26	2n11	15n30	0s24	11n45	0n44	5s43	16s59	22s27	22s13	18s20	4n48	4s33	

Julian Day Number = 2306359.5, Delta T = 85.56 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'33, Lahiri = 18°18'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

AUGUST 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 37 17	8♌16'36	16♉ 7	4♍45	29♌41	15♎36	16♎ 6	15♏33	13♉24	1♍14	26°R13	13°R18	11♐34	22♉22	6♍56	T 1
F 2	20 41 14	9°14'05	27°57	5°58	0♍54	16°12	16°15	15°34	13°24	1°16	26♈12	13♐11	11°30	22°28	7° 4	F 2
S 3	20 45 10	10°11'34	9♒50	7° 8	2° 7	16°49	16°23	15°36	13°25	1°18	26°12	13° 2	11°27	22°35	7°12	S 3
S 4	20 49 7	11° 9'05	21°49	8°16	3°21	17°25	16°31	15°37	13°26	1°21	26°12	12°52	11°24	22°42	7°20	S 4
M 5	20 53 3	12° 6'36	3♓54	9°21	4°34	18° 2	16°40	15°39	13°27	1°23	26°12	12°41	11°21	22°48	7°28	M 5
T 6	20 57 0	13° 4'09	16° 7	10°24	5°48	18°39	16°49	15°40	13°27	1°25	26°12	12°31	11°18	22°55	7°36	T 6
W 7	21 0 56	14° 1'44	28°29	11°24	7° 1	19°16	16°57	15°42	13°28	1°27	26°12	12°21	11°15	23° 2	7°44	W 7
T 8	21 4 53	14°59'19	11♈ 3	12°22	8°14	19°53	17° 6	15°44	13°29	1°29	26°11	12°14	11°11	23° 8	7°52	T 8
F 9	21 8 50	15°56'56	23°50	13°16	9°27	20°30	17°15	15°45	13°29	1°31	26°11	12°10	11° 8	23°15	8° 1	F 9
S 10	21 12 46	16°54'35	6♉53	14° 8	10°41	21° 8	17°24	15°47	13°30	1°33	26°11	12° 8	11° 5	23°22	8° 9	S 10
S 11	21 16 43	17°52'16	20°14	14°57	11°54	21°45	17°34	15°49	13°30	1°36	26°10	12°D 7	11° 2	23°28	8°17	S 11
M12	21 20 39	18°49'58	3♊57	15°42	13° 7	22°23	17°43	15°52	13°31	1°38	26°10	12° 8	10°59	23°35	8°26	M12
T 13	21 24 36	19°47'41	18° 3	16°24	14°21	23° 0	17°52	15°54	13°31	1°40	26°10	12°R 8	10°55	23°42	8°34	T 13
W14	21 28 32	20°45'27	2♋31	17° 1	15°34	23°38	18° 2	15°56	13°31	1°42	26° 9	12° 6	10°52	23°48	8°42	W14
T 15	21 32 29	21°43'14	17°18	17°36	16°47	24°16	18°11	15°59	13°31	1°44	26° 9	12° 3	10°49	23°55	8°51	T 15
F 16	21 36 25	22°41'03	2♌20	18° 5	18° 0	24°54	18°21	16° 1	13°32	1°47	26° 9	11°56	10°46	24° 2	8°59	F 16
S 17	21 40 22	23°38'53	17°27	18°31	19°13	25°32	18°31	16° 4	13°32	1°49	26° 8	11°47	10°43	24° 8	9° 7	S 17
S 18	21 44 19	24°36'44	2♍30	18°51	20°27	26°11	18°41	16° 6	13°32	1°51	26° 8	11°37	10°40	24°15	9°16	S 18
M19	21 48 15	25°34'37	17°19	19° 7	21°40	26°49	18°51	16° 9	13°R32	1°53	26° 7	11°27	10°36	24°22	9°24	M19
T 20	21 52 12	26°32'32	1♎45	19°18	22°53	27°28	19° 1	16°12	13°32	1°55	26° 7	11°17	10°33	24°28	9°33	T 20
W21	21 56 8	27°30'28	15°44	19°R23	24° 6	28° 6	19°11	16°15	13°32	1°58	26° 6	11° 9	10°30	24°35	9°41	W21
T 22	22 0 5	28°28'25	29°14	19°23	25°19	28°45	19°21	16°18	13°32	2° 0	26° 6	11° 4	10°27	24°42	9°50	T 22
F 23	22 4 1	29°26'23	12♏16	19°16	26°32	29°24	19°32	16°21	13°32	2° 2	26° 5	11° 1	10°24	24°49	9°58	F 23
S 24	22 7 58	0♍24'23	24°53	19° 4	27°45	0♏ 3	19°42	16°24	13°31	2° 4	26° 5	11° 0	10°20	24°55	10° 7	S 24
S 25	22 11 54	1°22'25	7♐11	18°46	28°58	0°42	19°53	16°28	13°31	2° 7	26° 4	11° 0	10°17	25° 2	10°16	S 25
M26	22 15 51	2°20'27	19°14	18°21	0♎12	1°21	20° 3	16°31	13°31	2° 9	26° 4	11° 0	10°14	25° 9	10°24	M26
T 27	22 19 48	3°18'31	1♉ 7	17°50	1°25	2° 0	20°14	16°35	13°30	2°11	26° 3	10°58	10°11	25°15	10°33	T 27
W28	22 23 44	4°16'37	12°56	17°14	2°38	2°40	20°25	16°38	13°30	2°13	26° 2	10°55	10° 8	25°22	10°41	W28
T 29	22 27 41	5°14'44	24°45	16°32	3°51	3°19	20°36	16°42	13°30	2°15	26° 2	10°49	10° 5	25°29	10°50	T 29
F 30	22 31 37	6°12'52	6♒38	15°44	5° 3	3°59	20°47	16°46	13°29	2°18	26° 1	10°40	10° 1	25°35	10°59	F 30
S 31	22 35 34	7♍11'03	18♒37	14♍52	6♎16	4♏38	20♎58	16♏49	13♉29	2♍20	26♈ 0	10♐29	9♐58	25♉42	11♍ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n14	19s46	2n46	9n16	0s34	13n 0	1n29	6s21	0s13	5s15	1n11	14s27	2n11	15n31	0s24	11n44	0n44	5s43	17s 0	22s27	22s13	18s18	4n45	4s33
F 2	17 59	17 6	3 35	8 40	0 44	12 34	1 29	6 36	0 14	5 19	1 11	14 27	2 11	15 31	0 24	11 44	0 44	5 44	17 0	22 26	22 13	18 17	4 43	4 33
S 3	17 44	13 43	4 15	8 5	0 54	12 7	1 28	6 51	0 15	5 22	1 11	14 28	2 10	15 31	0 24	11 43	0 44	5 44	17 0	22 25	22 12	18 15	4 40	4 32
S 4	17 28	9 47	4 44	7 30	1 4	11 40	1 28	7 6	0 16	5 26	1 10	14 28	2 10	15 31	0 24	11 42	0 44	5 44	17 1	22 23	22 12	18 13	4 38	4 32
M 5	17 12	5 26	5 0	6 55	1 15	11 12	1 27	7 21	0 16	5 29	1 10	14 29	2 10	15 32	0 24	11 41	0 44	5 45	17 1	22 22	22 11	18 12	4 35	4 31
T 6	16 56	0 50	5 3	6 22	1 26	10 44	1 26	7 35	0 17	5 33	1 10	14 30	2 10	15 32	0 24	11 41	0 44	5 45	17 1	22 21	22 11	18 10	4 33	4 31
W 7	16 39	3n52	4 52	5 49	1 36	10 16	1 25	7 50	0 18	5 36	1 10	14 31	2 9	15 32	0 24	11 40	0 44	5 45	17 2	22 19	22 10	18 8	4 30	4 31
T 8	16 22	8 28	4 27	5 17	1 47	9 48	1 24	8 5	0 19	5 40	1 9	14 31	2 9	15 32	0 24	11 39	0 44	5 46	17 2	22 19	22 10	18 6	4 27	4 30
F 9	16 5	12 48	3 48	4 46	1 58	9 19	1 23	8 20	0 20	5 43	1 9	14 32	2 9	15 32	0 24	11 38	0 44	5 46	17 2	22 18	22 10	18 5	4 25	4 30
S 10	15 48	16 37	2 56	4 16	2 9	8 50	1 22	8 35	0 21	5 47	1 9	14 33	2 9	15 32	0 24	11 37	0 44	5 47	17 2	22 18	22 9	18 3	4 22	4 29
S 11	15 30	19 40	1 54	3 48	2 20	8 21	1 21	8 50	0 22	5 51	1 9	14 34	2 8	15 32	0 24	11 37	0 44	5 47	17 3	22 18	22 9	18 1	4 19	4 29
M12	15 13	21 42	0 43	3 20	2 31	7 52	1 19	9 4	0 22	5 54	1 9	14 35	2 8	15 33	0 24	11 36	0 44	5 47	17 3	22 18	22 8	17 59	4 16	4 29
T 13	14 55	22 26	0s31	2 54	2 41	7 22	1 18	9 19	0 23	5 58	1 9	14 35	2 8	15 33	0 24	11 35	0 44	5 48	17 3	22 18	22 8	17 58	4 14	4 28
W14	14 36	21 42	1 46	2 30	2 52	6 53	1 17	9 34	0 24	6 2	1 8	14 36	2 8	15 33	0 24	11 34	0 44	5 48	17 4	22 17	22 7	17 56	4 11	4 28
T 15	14 18	19 28	2 55	2 7	3 2	6 23	1 15	9 49	0 25	6 6	1 8	14 37	2 7	15 33	0 24	11 34	0 44	5 49	17 4	22 17	22 7	17 54	4 8	4 28
F 16	13 59	15 53	3 53	1 46	3 13	5 53	1 14	10 4	0 26	6 10	1 8	14 38	2 7	15 33	0 24	11 33	0 44	5 49	17 4	22 16	22 6	17 52	4 5	4 27
S 17	13 40	11 16	4 35	1 27	3 23	5 23	1 12	10 18	0 26	6 14	1 8	14 39	2 7	15 33	0 24	11 32	0 44	5 49	17 5	22 15	22 6	17 50	4 2	4 27
S 18	13 21	5 58	4 58	1 10	3 32	4 52	1 10	10 33	0 27	6 18	1 8	14 40	2 7	15 33	0 24	11 31	0 44	5 50	17 5	22 14	22 6	17 49	4 0	4 27
M19	13 1	0 25	5 0	0 55	3 41	4 22	1 8	10 48	0 28	6 22	1 7	14 41	2 6	15 33	0 24	11 30	0 44	5 50	17 5	22 12	22 5	17 47	3 57	4 26
T 20	12 42	5s 1	4 43	0 43	3 50	3 51	1 7	11 2	0 29	6 26	1 7	14 42	2 6	15 33	0 24	11 30	0 44	5 51	17 6	22 11	22 5	17 45	3 54	4 26
W21	12 22	10 2	4 9	0 34	3 58	3 20	1 5	11 17	0 29	6 30	1 7	14 43	2 6	15 33	0 24	11 29	0 44	5 51	17 6	22 10	22 4	17 43	3 51	4 26
T 22	12 2	14 22	3 22	0 28	4 5	2 50	1 3	11 31	0 30	6 34	1 7	14 44	2 6	15 33	0 24	11 28	0 44	5 52	17 6	22 9	22 4	17 42	3 48	4 25
F 23	11 42	17 52	2 26	0 24	4 11	2 19	1 1	11 46	0 31	6 38	1 7	14 46	2 5	15 33	0 24	11 27	0 44	5 52	17 6	22 9	22 3	17 40	3 45	4 25
S 24	11 21	20 24	1 24	0 24	4 17	1 48	0 59	12 0	0 32	6 42	1 7	14 47	2 5	15 33	0 24	11 27	0 44	5 53	17 7	22 8	22 3	17 38	3 42	4 25
S 25	11 1	21 53	0 20	0 27	4 21	1 17	0 57	12 15	0 32	6 46	1 6	14 48	2 5	15 33	0 24	11 26	0 44	5 53	17 7	22 8	22 2	17 36	3 39	4 24
M26	10 40	22 20	0n44	0 34	4 24	0 45	0 55	12 29	0 33	6 50	1 6	14 49	2 5	15 32	0 24	11 25	0 44	5 54	17 7	22 8	22 2	17 34	3 36	4 24
T 27	10 19	21 45	1 44	0 44	4 26	0 14	0 52	12 44	0 34	6 54	1 6	14 50	2 5	15 32	0 24	11 24	0 44	5 54	17 8	22 8	22 1	17 33	3 33	4 24
W28	9 58	20 12	2 40	0 58	4 26	0s17	0 50	12 58	0 35	6 58	1 6	14 52	2 4	15 32	0 24	11 23	0 44	5 54	17 8	22 8	22 1	17 31	3 30	4 24
T 29	9 36	17 47	3 29	1 16	4 24	0 48	0 48	13 12	0 35	7 3	1 6	14 53	2 4	15 32	0 24	11 23	0 44	5 55	17 8	22 7	22 0	17 29	3 27	4 23
F 30	9 15	14 38	4 9	1 37	4 21	1 19	0 45	13 26	0 36	7 7	1 6	14 54	2 4	15 32	0 24	11 22	0 44	5 55	17 8	22 6	22 0	17 27	3 24	4 23
S 31	8n53	10s51	4n39	2n 2	4s16	1s50	0n43	13s40	0s37	7s11	1n 6	14s55	2n 4	15n32	0s24	11n21	0n44	5s56	17s 9	22s 4	22s 0	17s25	3n21	4s23

Julian Day Number = 2306390.5, Delta T = 85.45 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'38, Lahiri = 18°18'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

SEPTEMBER 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 39 30	8♍ 9'14	0♓45	13°R57	7♎29	5♏18	21♎ 9	16♏53	13°R28	2♍22	26°R 0	10°R15	9♐55	25♉49	11♍16	S 1
M 2	22 43 27	9° 7'28	13° 2	12♍59	8°42	5°58	21°20	16°57	13♉27	2°24	25♈59	10♐ 2	9°52	25°55	11°25	M 2
T 3	22 47 23	10° 5'43	25°28	11°59	9°55	6°38	21°31	17° 1	13°27	2°27	25°58	9°48	9°49	26° 2	11°33	T 3
W 4	22 51 20	11° 4'00	8♈ 6	10°59	11° 8	7°18	21°42	17° 5	13°26	2°29	25°57	9°37	9°46	26° 9	11°42	W 4
T 5	22 55 16	12° 2'20	20°54	10° 0	12°21	7°58	21°54	17° 9	13°25	2°31	25°57	9°28	9°42	26°15	11°50	T 5
F 6	22 59 13	13° 0'41	3♉53	9° 3	13°33	8°38	22° 5	17°14	13°24	2°33	25°56	9°21	9°39	26°22	11°59	F 6
S 7	23 3 10	13°59'04	17° 4	8°11	14°46	9°19	22°17	17°18	13°23	2°35	25°55	9°18	9°36	26°29	12° 8	S 7
S 8	23 7 6	14°57'30	0♊29	7°23	15°59	9°59	22°28	17°22	13°22	2°38	25°54	9°17	9°33	26°35	12°16	S 8
M 9	23 11 3	15°55'58	14° 9	6°42	17°12	10°40	22°40	17°27	13°21	2°40	25°53	9°17	9°30	26°42	12°25	M 9
T 10	23 14 59	16°54'28	28° 6	6° 8	18°24	11°20	22°52	17°31	13°20	2°42	25°53	9°16	9°26	26°49	12°34	T 10
W11	23 18 56	17°53'00	12♋20	5°43	19°37	12° 1	23° 3	17°36	13°19	2°44	25°52	9°15	9°23	26°56	12°42	W11
T 12	23 22 52	18°51'34	26°48	5°26	20°50	12°42	23°15	17°41	13°18	2°46	25°51	9°11	9°20	27° 2	12°51	T 12
F 13	23 26 49	19°50'11	11♌29	5°D19	22° 2	13°23	23°27	17°46	13°17	2°48	25°50	9° 4	9°17	27° 9	13° 0	F 13
S 14	23 30 45	20°48'50	26°16	5°21	23°15	14° 4	23°39	17°50	13°16	2°51	25°49	8°55	9°14	27°16	13° 8	S 14
S 15	23 34 42	21°47'30	11♍ 1	5°33	24°28	14°45	23°51	17°55	13°15	2°53	25°48	8°44	9°11	27°22	13°17	S 15
M16	23 38 39	22°46'13	25°36	5°55	25°40	15°26	24° 3	18° 0	13°13	2°55	25°47	8°33	9° 7	27°29	13°26	M16
T 17	23 42 35	23°44'58	9♎54	6°26	26°53	16° 8	24°15	18° 5	13°12	2°57	25°46	8°22	9° 4	27°36	13°34	T 17
W18	23 46 32	24°43'45	23°49	7° 6	28° 5	16°49	24°27	18°10	13°11	2°59	25°45	8°14	9° 1	27°42	13°43	W18
T 19	23 50 28	25°42'33	7♏18	7°54	29°18	17°31	24°39	18°15	13° 9	3° 1	25°45	8° 7	8°58	27°49	13°51	T 19
F 20	23 54 25	26°41'24	20°21	8°51	0♏30	18°12	24°52	18°21	13° 8	3° 3	25°44	8° 4	8°55	27°56	14° 0	F 20
S 21	23 58 21	27°40'16	3♐ 1	9°55	1°43	18°54	25° 4	18°26	13° 6	3° 5	25°43	8°D 3	8°52	28° 2	14° 8	S 21
S 22	0 2 18	28°39'10	15°20	11° 5	2°55	19°36	25°16	18°31	13° 5	3° 7	25°42	8° 3	8°48	28° 9	14°17	S 22
M23	0 6 14	29°38'06	27°25	12°22	4° 8	20°18	25°29	18°37	13° 3	3° 9	25°41	8°R 3	8°45	28°16	14°26	M23
T 24	0 10 11	0♎37'03	9♑19	13°44	5°20	20°59	25°41	18°42	13° 1	3°11	25°40	8° 3	8°42	28°23	14°34	T 24
W25	0 14 8	1°36'03	21° 9	15°10	6°32	21°42	25°53	18°48	13° 0	3°13	25°39	8° 1	8°39	28°29	14°42	W25
T 26	0 18 4	2°35'04	3♒ 0	16°40	7°44	22°24	26° 6	18°53	12°58	3°15	25°38	7°56	8°36	28°36	14°51	T 26
F 27	0 22 1	3°34'07	14°56	18°14	8°57	23° 6	26°19	18°59	12°56	3°17	25°36	7°50	8°32	28°43	14°59	F 27
S 28	0 25 57	4°33'11	27° 1	19°51	10° 9	23°48	26°31	19° 5	12°55	3°19	25°35	7°41	8°29	28°49	15° 8	S 28
S 29	0 29 54	5°32'18	9♓17	21°30	11°21	24°30	26°44	19°10	12°53	3°21	25°34	7°30	8°26	28°56	15°16	S 29
M30	0 33 50	6♎31'27	21♓46	23♍11	12♏33	25♏13	26♎56	19♏16	12♉51	3♍23	25♈33	7♐19	8♐23	29♑ 3	15♍25	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n32	6s37	4n56	2n30	4s 9	2s22	0n40	13s54	0s37	7s15	1n 5	14s57	2n 3	15n32	0s24	11n20	0n44	5s56	17s 9	22s 2	21s59	17s23	3n18	4s23
M 2	8 10	2 4	4 59	3 1	4 0	2 53	0 38	14 8	0 38	7 20	1 5	14 58	2 3	15 31	0 24	11 19	0 44	5 57	17 9	22 0	21 59	17 22	3 15	4 22
T 3	7 48	2n37	4 49	3 33	3 49	3 24	0 35	14 22	0 39	7 24	1 5	14 59	2 3	15 31	0 24	11 19	0 44	5 57	17 9	21 58	21 58	17 20	3 12	4 22
W 4	7 26	7 16	4 24	4 8	3 36	3 55	0 33	14 36	0 39	7 28	1 5	15 1	2 3	15 31	0 24	11 18	0 44	5 58	17 10	21 56	21 58	17 18	3 9	4 22
T 5	7 4	11 39	3 46	4 44	3 21	4 26	0 30	14 50	0 40	7 33	1 5	15 2	2 3	15 31	0 24	11 17	0 44	5 58	17 10	21 55	21 57	17 16	3 6	4 22
F 6	6 41	15 35	2 55	5 20	3 5	4 57	0 27	15 3	0 41	7 37	1 5	15 3	2 2	15 30	0 25	11 16	0 44	5 59	17 10	21 54	21 57	17 14	3 3	4 22
S 7	6 19	18 48	1 55	5 55	2 48	5 28	0 24	15 17	0 41	7 42	1 5	15 5	2 2	15 30	0 25	11 15	0 44	5 59	17 10	21 54	21 56	17 13	3 0	4 21
S 8	5 56	21 3	0 46	6 30	2 30	5 58	0 22	15 30	0 42	7 46	1 4	15 6	2 2	15 30	0 25	11 15	0 44	6 0	17 11	21 53	21 56	17 11	2 57	4 21
M 9	5 34	22 7	0s26	7 3	2 11	6 29	0 19	15 44	0 43	7 50	1 4	15 8	2 2	15 30	0 25	11 14	0 44	6 0	17 11	21 53	21 55	17 9	2 54	4 21
T 10	5 11	21 51	1 38	7 34	1 51	6 59	0 16	15 57	0 43	7 55	1 4	15 9	2 1	15 29	0 25	11 13	0 44	6 1	17 11	21 53	21 55	17 7	2 50	4 21
W11	4 48	20 10	2 45	8 1	1 31	7 30	0 13	16 10	0 44	7 59	1 4	15 11	2 1	15 29	0 25	11 12	0 44	6 1	17 11	21 53	21 54	17 5	2 47	4 21
T 12	4 25	17 11	3 43	8 26	1 12	8 0	0 10	16 23	0 45	8 4	1 4	15 12	2 1	15 29	0 25	11 12	0 44	6 2	17 11	21 52	21 54	17 3	2 44	4 21
F 13	4 2	13 5	4 27	8 46	0 52	8 30	0 7	16 36	0 45	8 8	1 4	15 14	2 1	15 28	0 25	11 11	0 44	6 2	17 12	21 51	21 53	17 1	2 41	4 20
S 14	3 39	8 11	4 54	9 3	0 34	9 0	0 4	16 49	0 46	8 13	1 4	15 15	2 1	15 28	0 25	11 10	0 44	6 3	17 12	21 50	21 53	17 0	2 38	4 20
S 15	3 16	2 49	5 1	9 15	0 16	9 29	0 1	17 2	0 46	8 17	1 3	15 17	2 0	15 27	0 25	11 9	0 44	6 3	17 12	21 48	21 52	16 58	2 35	4 20
M16	2 53	2s39	4 48	9 23	0n 1	9 59	0s 2	17 15	0 47	8 22	1 3	15 18	2 0	15 27	0 25	11 9	0 44	6 4	17 12	21 47	21 52	16 56	2 32	4 20
T 17	2 29	7 52	4 17	9 26	0 17	10 28	0 5	17 27	0 48	8 27	1 3	15 20	2 0	15 27	0 25	11 8	0 44	6 4	17 12	21 45	21 51	16 54	2 28	4 20
W18	2 6	12 32	3 32	9 25	0 32	10 57	0 9	17 40	0 48	8 31	1 3	15 22	2 0	15 26	0 25	11 7	0 44	6 5	17 13	21 44	21 51	16 52	2 25	4 20
T 19	1 43	16 26	2 36	9 20	0 46	11 26	0 12	17 52	0 49	8 36	1 3	15 23	2 0	15 26	0 25	11 6	0 44	6 5	17 13	21 43	21 50	16 50	2 22	4 20
F 20	1 19	19 22	1 33	9 10	0 58	11 54	0 15	18 4	0 49	8 40	1 3	15 25	1 59	15 25	0 25	11 6	0 44	6 6	17 13	21 42	21 50	16 48	2 19	4 19
S 21	0 56	21 15	0 27	8 56	1 9	12 23	0 18	18 17	0 50	8 45	1 3	15 26	1 59	15 25	0 25	11 5	0 44	6 6	17 13	21 42	21 49	16 47	2 16	4 19
S 22	0 32	22 2	0n39	8 38	1 19	12 51	0 21	18 29	0 50	8 49	1 3	15 28	1 59	15 24	0 25	11 4	0 44	6 7	17 13	21 42	21 49	16 45	2 13	4 19
M23	0 9	21 47	1 41	8 17	1 27	13 18	0 25	18 40	0 51	8 54	1 3	15 30	1 59	15 24	0 25	11 3	0 44	6 7	17 13	21 42	21 48	16 43	2 9	4 19
T 24	0s15	20 32	2 38	7 52	1 35	13 46	0 28	18 52	0 51	8 59	1 2	15 31	1 59	15 23	0 25	11 3	0 44	6 8	17 14	21 42	21 48	16 41	2 6	4 19
W25	0 38	18 23	3 28	7 24	1 41	14 13	0 31	19 4	0 52	9 3	1 2	15 33	1 59	15 23	0 25	11 2	0 44	6 8	17 14	21 41	21 47	16 39	2 3	4 19
T 26	1 2	15 29	4 10	6 54	1 46	14 40	0 34	19 15	0 52	9 8	1 2	15 35	1 58	15 22	0 25	11 1	0 44	6 9	17 14	21 41	21 47	16 37	2 0	4 19
F 27	1 25	11 55	4 40	6 20	1 50	15 6	0 38	19 26	0 53	9 13	1 2	15 36	1 58	15 22	0 25	11 1	0 44	6 9	17 14	21 40	21 46	16 35	1 57	4 19
S 28	1 49	7 51	4 58	5 45	1 52	15 32	0 41	19 38	0 53	9 17	1 2	15 38	1 58	15 21	0 25	11 0	0 44	6 10	17 14	21 38	21 46	16 33	1 54	4 19
S 29	2 12	3 25	5 3	5 8	1 54	15 58	0 44	19 49	0 54	9 22	1 2	15 40	1 58	15 21	0 25	10 59	0 44	6 10	17 14	21 36	21 45	16 32	1 50	4 19
M30	2s36	1n14	4n54	4n29	1n55	16s23	0s47	19s59	0s54	9s26	1n 2	15s42	1n58	15n20	0s25	10n59	0n44	6s10	17s14	21s35	21s45	16s30	1n47	4s19

Julian Day Number = 2306421.5, Delta T = 85.34 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'42, Lahiri = 18°18'42Greg. Calendar

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OCTOBER 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 37 47	7♎30'37	4♈29	24♍53	13♏45	25♏55	27♎ 9	19♏22	12°R49	3♍25	25°R32	7°R 8	8♐20	29♉ 9	15♍33	T 1
W 2	0 41 43	8°29'50	17°25	26°37	14°57	26°38	27°22	19°28	12♑47	3°27	25♈31	6♐58	8°17	29°16	15°41	W 2
T 3	0 45 40	9°29'04	0♑34	28°21	16° 9	27°21	27°35	19°34	12°45	3°29	25°30	6°51	8°13	29°23	15°49	T 3
F 4	0 49 36	10°28'21	13°54	0♎ 6	17°21	28° 4	27°47	19°40	12°43	3°31	25°29	6°46	8°10	29°29	15°58	F 4
S 5	0 53 33	11°27'41	27°25	1°51	18°33	28°46	28° 0	19°46	12°41	3°33	25°28	6°44	8° 7	29°36	16° 6	S 5
S 6	0 57 30	12°27'02	11♊ 5	3°36	19°45	29°29	28°13	19°52	12°39	3°35	25°27	6°D43	8° 4	29°43	16°14	S 6
M 7	1 1 26	13°26'26	24°54	5°21	20°57	0♐12	28°26	19°58	12°37	3°36	25°26	6°44	8° 1	29°49	16°22	M 7
T 8	1 5 23	14°25'52	8♋52	7° 7	22° 9	0°55	28°39	20° 4	12°35	3°38	25°25	6°R45	7°57	29°56	16°30	T 8
W 9	1 9 19	15°25'21	22°59	8°51	23°21	1°39	28°52	20°11	12°33	3°40	25°23	6°45	7°54	0♒ 3	16°38	W 9
T 10	1 13 16	16°24'52	7♌13	10°36	24°32	2°22	29° 5	20°17	12°31	3°42	25°22	6°43	7°51	0°10	16°46	T 10
F 11	1 17 12	17°24'25	21°32	12°20	25°44	3° 5	29°18	20°23	12°29	3°43	25°21	6°39	7°48	0°16	16°54	F 11
S 12	1 21 9	18°24'01	5♍53	14° 4	26°56	3°49	29°31	20°30	12°26	3°45	25°20	6°33	7°45	0°23	17° 2	S 12
S 13	1 25 5	19°23'38	20°11	15°47	28° 7	4°32	29°44	20°36	12°24	3°47	25°19	6°26	7°42	0°30	17°10	S 13
M14	1 29 2	20°23'18	4♎21	17°29	29°19	5°16	29°57	20°42	12°22	3°48	25°18	6°18	7°38	0°36	17°18	M14
T 15	1 32 59	21°23'00	18°18	19°11	0♐30	5°59	0♏10	20°49	12°20	3°50	25°17	6°11	7°35	0°43	17°26	T 15
W16	1 36 55	22°22'44	1♏57	20°53	1°42	6°43	0°23	20°55	12°17	3°52	25°16	6° 5	7°32	0°50	17°34	W16
T 17	1 40 52	23°22'31	15°15	22°34	2°53	7°27	0°36	21° 2	12°15	3°53	25°14	6° 1	7°29	0°56	17°42	T 17
F 18	1 44 48	24°22'19	28°13	24°14	4° 5	8°11	0°49	21° 8	12°13	3°55	25°13	5°59	7°26	1° 3	17°49	F 18
S 19	1 48 45	25°22'09	10♐50	25°54	5°16	8°55	1° 2	21°15	12°10	3°56	25°12	5°D58	7°23	1°10	17°57	S 19
S 20	1 52 41	26°22'00	23°10	27°33	6°27	9°39	1°15	21°22	12° 8	3°58	25°11	5°59	7°19	1°17	18° 4	S 20
M21	1 56 38	27°21'54	5♑15	29°11	7°39	10°23	1°28	21°28	12° 6	4° 0	25°10	6° 1	7°16	1°23	18°12	M21
T 22	2 0 34	28°21'49	17°11	0♏49	8°50	11° 7	1°42	21°35	12° 3	4° 1	25° 9	6° 3	7°13	1°30	18°19	T 22
W23	2 4 31	29°21'46	29° 3	2°27	10° 1	11°51	1°55	21°42	12° 1	4° 2	25° 8	6°R 3	7°10	1°37	18°27	W23
T 24	2 8 28	0♏21'44	10♒54	4° 4	11°12	12°35	2° 8	21°49	11°58	4° 4	25° 6	6° 3	7° 7	1°43	18°34	T 24
F 25	2 12 24	1°21'44	22°51	5°41	12°23	13°20	2°21	21°55	11°56	4° 5	25° 5	6° 0	7° 3	1°50	18°42	F 25
S 26	2 16 21	2°21'46	4♓58	7°17	13°34	14° 4	2°34	22° 2	11°54	4° 7	25° 4	5°57	7° 0	1°57	18°49	S 26
S 27	2 20 17	3°21'49	17°19	8°52	14°45	14°49	2°47	22° 9	11°51	4° 8	25° 3	5°52	6°57	2° 3	18°56	S 27
M28	2 24 14	4°21'54	29°56	10°27	15°56	15°33	3° 0	22°16	11°49	4° 9	25° 2	5°46	6°54	2°10	19° 3	M28
T 29	2 28 10	5°22'01	12♈51	12° 2	17° 6	16°18	3°14	22°23	11°46	4°11	25° 1	5°41	6°51	2°17	19°10	T 29
W30	2 32 7	6°22'09	26° 4	13°36	18°17	17° 3	3°27	22°30	11°44	4°12	25° 0	5°36	6°48	2°23	19°17	W30
T 31	2 36 3	7♏22'19	9♑35	15♏10	19♐28	17♐47	3♏40	22♏37	11♑41	4♍13	24♈59	5♐33	6♐44	2♒30	19♍24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2s59	5n55	4n30	3n48	1n55	16s48	0s51	20s10	0s55	9s31	1n 2	15s43	1n58	15n20	0s25	10n58	0n45	6s11	17s14	21s33	21s44	16s28	1n44	4s19
W 2	3 23	10 25	3 52	3 6	1 55	17 13	0 54	20 21	0 55	9 36	1 2	15 45	1 57	15 19	0 25	10 57	0 45	6 11	17 14	21 31	21 44	16 26	1 41	4 18
T 3	3 46	14 31	3 1	2 23	1 53	17 37	0 57	20 31	0 56	9 40	1 2	15 47	1 57	15 18	0 25	10 57	0 45	6 12	17 15	21 30	21 43	16 24	1 38	4 18
F 4	4 9	17 56	1 59	1 40	1 51	18 1	1 1	20 41	0 56	9 45	1 2	15 48	1 57	15 18	0 25	10 56	0 45	6 12	17 15	21 29	21 43	16 22	1 35	4 18
S 5	4 33	20 26	0 50	0 56	1 49	18 24	1 4	20 51	0 57	9 50	1 2	15 50	1 57	15 17	0 25	10 55	0 45	6 13	17 15	21 29	21 42	16 20	1 32	4 18
S 6	4 56	21 46	0s23	0 11	1 46	18 47	1 7	21 1	0 57	9 54	1 1	15 52	1 57	15 17	0 25	10 55	0 45	6 13	17 15	21 29	21 42	16 18	1 28	4 18
M 7	5 19	21 47	1 36	0s34	1 42	19 10	1 10	21 11	0 58	9 59	1 1	15 54	1 57	15 16	0 25	10 54	0 45	6 14	17 15	21 29	21 41	16 16	1 25	4 18
T 8	5 42	20 28	2 44	1 19	1 38	19 32	1 13	21 20	0 58	10 4	1 1	15 56	1 57	15 15	0 25	10 53	0 45	6 14	17 15	21 29	21 41	16 14	1 22	4 18
W 9	6 5	17 52	3 43	2 5	1 34	19 53	1 17	21 29	0 59	10 8	1 1	15 57	1 56	15 15	0 25	10 53	0 45	6 15	17 15	21 29	21 40	16 12	1 19	4 18
T 10	6 28	14 11	4 28	2 50	1 29	20 14	1 20	21 39	0 59	10 13	1 1	15 59	1 56	15 14	0 25	10 52	0 45	6 15	17 15	21 29	21 40	16 11	1 16	4 18
F 11	6 51	9 40	4 57	3 35	1 24	20 35	1 23	21 48	0 59	10 18	1 1	16 1	1 56	15 13	0 25	10 52	0 45	6 15	17 15	21 28	21 39	16 9	1 13	4 18
S 12	7 14	4 36	5 7	4 21	1 19	20 54	1 26	21 56	1 0	10 22	1 1	16 3	1 56	15 13	0 25	10 51	0 45	6 16	17 15	21 27	21 39	16 7	1 10	4 18
S 13	7 36	0s41	4 59	5 6	1 13	21 14	1 29	22 5	1 0	10 27	1 1	16 5	1 56	15 12	0 25	10 50	0 45	6 16	17 15	21 26	21 38	16 5	1 7	4 18
M14	7 59	5 53	4 32	5 50	1 8	21 33	1 32	22 13	1 1	10 32	1 1	16 6	1 56	15 11	0 25	10 50	0 45	6 17	17 15	21 24	21 38	16 3	1 4	4 18
T 15	8 21	10 43	3 49	6 35	1 2	21 51	1 35	22 21	1 1	10 36	1 1	16 8	1 56	15 11	0 25	10 49	0 45	6 17	17 15	21 23	21 37	16 1	1 1	4 18
W16	8 44	14 53	2 54	7 18	0 56	22 9	1 38	22 29	1 1	10 41	1 1	16 10	1 55	15 10	0 25	10 49	0 45	6 17	17 15	21 22	21 37	15 59	0 57	4 18
T 17	9 6	18 12	1 50	8 2	0 49	22 26	1 41	22 37	1 2	10 45	1 1	16 12	1 55	15 9	0 25	10 48	0 45	6 18	17 15	21 21	21 36	15 57	0 54	4 18
F 18	9 28	20 29	0 42	8 45	0 43	22 43	1 44	22 44	1 2	10 50	1 1	16 14	1 55	15 8	0 25	10 47	0 45	6 18	17 15	21 21	21 36	15 55	0 51	4 19
S 19	9 50	21 41	0n26	9 27	0 37	22 59	1 47	22 52	1 3	10 55	1 1	16 16	1 55	15 8	0 25	10 47	0 45	6 19	17 15	21 21	21 35	15 53	0 48	4 19
S 20	10 12	21 47	1 32	10 9	0 30	23 14	1 50	22 59	1 3	10 59	1 1	16 17	1 55	15 7	0 25	10 46	0 45	6 19	17 15	21 21	21 35	15 51	0 45	4 19
M21	10 33	20 51	2 33	10 51	0 23	23 29	1 52	23 6	1 3	11 4	1 0	16 19	1 55	15 6	0 25	10 46	0 45	6 19	17 15	21 21	21 34	15 49	0 42	4 19
T 22	10 55	18 59	3 26	11 31	0 17	23 43	1 55	23 12	1 4	11 9	1 0	16 21	1 55	15 6	0 25	10 45	0 45	6 20	17 15	21 22	21 34	15 47	0 39	4 19
W23	11 16	16 19	4 9	12 12	0 10	23 56	1 58	23 19	1 4	11 13	1 0	16 23	1 55	15 5	0 25	10 45	0 45	6 20	17 15	21 22	21 33	15 45	0 36	4 19
T 24	11 37	13 0	4 43	12 51	0 3	24 9	2 0	23 25	1 4	11 18	1 0	16 25	1 55	15 4	0 25	10 44	0 45	6 20	17 15	21 22	21 33	15 43	0 33	4 19
F 25	11 58	9 8	5 4	13 30	0s 3	24 21	2 3	23 31	1 5	11 22	1 0	16 27	1 54	15 3	0 25	10 44	0 45	6 21	17 15	21 21	21 32	15 41	0 31	4 19
S 26	12 19	4 52	5 12	14 8	0 10	24 33	2 5	23 37	1 5	11 27	1 0	16 28	1 54	15 3	0 25	10 43	0 45	6 21	17 15	21 21	21 32	15 39	0 28	4 19
S 27	12 40	0 20	5 6	14 45	0 17	24 44	2 8	23 42	1 5	11 31	1 0	16 30	1 54	15 2	0 25	10 43	0 45	6 22	17 15	21 20	21 31	15 38	0 25	4 19
M28	13 0	4n20	4 45	15 22	0 24	24 54	2 10	23 47	1 6	11 36	1 0	16 32	1 54	15 1	0 25	10 43	0 45	6 22	17 15	21 19	21 30	15 36	0 22	4 19
T 29	13 20	8 54	4 9	15 57	0 30	25 4	2 12	23 53	1 6	11 40	1 0	16 34	1 54	15 0	0 25	10 42	0 45	6 22	17 15	21 18	21 30	15 34	0 19	4 19
W30	13 40	13 11	3 19	16 32	0 37	25 12	2 15	23 57	1 6	11 45	1 0	16 36	1 54	15 0	0 25	10 42	0 45	6 22	17 15	21 17	21 29	15 32	0 16	4 20
T 31	14s 0	16n53	2n17	17s 7	0s43	25s21	2s17	24s 2	1s 6	11s49	1n 0	16s38	1n54	14n59	0s25	10n41	0n45	6s23	17s15	21s16	21s29	15s30	0n13	4s20

Julian Day Number = 2306451.5, Delta T = 85.24 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'46, Lahiri = 18°18'46Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1602
geocentric

NOVEMBER 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 40 0	8♏22'31	23♉20	16♏44	20♐38	18♐32	3♏53	22♏44	11°R39	4♍14	24°R58	5°R31	6♐41	2♒37	19♍31	F 1
S 2	2 43 57	9°22'45	7♊18	18°17	21°48	19°17	4° 6	22°51	11♉36	4°15	24♈56	5°D31	6°38	2°44	19°38	S 2
S 3	2 47 53	10°23'01	21°24	19°49	22°59	20° 2	4°19	22°58	11°34	4°17	24°55	5♐31	6°35	2°50	19°45	S 3
M 4	2 51 50	11°23'19	5♋35	21°22	24° 9	20°47	4°33	23° 5	11°31	4°18	24°54	5°33	6°32	2°57	19°51	M 4
T 5	2 55 46	12°23'39	19°48	22°54	25°19	21°32	4°46	23°12	11°29	4°19	24°53	5°34	6°29	3° 4	19°58	T 5
W 6	2 59 43	13°24'01	4♌ 1	24°26	26°29	22°17	4°59	23°19	11°26	4°20	24°52	5°35	6°25	3°10	20° 5	W 6
T 7	3 3 39	14°24'25	18°12	25°57	27°39	23° 3	5°12	23°26	11°24	4°21	24°51	5°R35	6°22	3°17	20°11	T 7
F 8	3 7 36	15°24'51	2♍18	27°28	28°49	23°48	5°25	23°33	11°21	4°22	24°50	5°35	6°19	3°24	20°18	F 8
S 9	3 11 32	16°25'19	16°18	28°59	29°59	24°33	5°38	23°40	11°19	4°23	24°49	5°33	6°16	3°31	20°24	S 9
S 10	3 15 29	17°25'48	0♎ 9	0♐29	1♑ 8	25°18	5°51	23°47	11°16	4°24	24°48	5°30	6°13	3°37	20°30	S 10
M11	3 19 26	18°26'20	13°50	1°59	2°18	26° 4	6° 4	23°54	11°14	4°25	24°47	5°28	6° 9	3°44	20°36	M11
T 12	3 23 22	19°26'53	27°19	3°29	3°28	26°49	6°17	24° 1	11°11	4°25	24°46	5°26	6° 6	3°51	20°42	T 12
W13	3 27 19	20°27'28	10♏34	4°59	4°37	27°35	6°30	24° 8	11° 9	4°26	24°45	5°24	6° 3	3°57	20°48	W13
T 14	3 31 15	21°28'04	23°33	6°28	5°46	28°21	6°43	24°15	11° 6	4°27	24°44	5°23	6° 0	4° 4	20°54	T 14
F 15	3 35 12	22°28'42	6♐17	7°56	6°55	29° 6	6°56	24°22	11° 4	4°28	24°43	5°D22	5°57	4°11	21° 0	F 15
S 16	3 39 8	23°29'22	18°46	9°25	8° 4	29°52	7° 9	24°30	11° 2	4°29	24°42	5°23	5°54	4°17	21° 6	S 16
S 17	3 43 5	24°30'02	1♑ 2	10°52	9°13	0♑38	7°22	24°37	10°59	4°29	24°41	5°24	5°50	4°24	21°12	S 17
M18	3 47 1	25°30'45	13° 6	12°19	10°22	1°24	7°35	24°44	10°57	4°30	24°40	5°25	5°47	4°31	21°17	M18
T 19	3 50 58	26°31'28	25° 1	13°46	11°31	2° 9	7°48	24°51	10°54	4°31	24°39	5°26	5°44	4°38	21°23	T 19
W20	3 54 55	27°32'12	6♒53	15°12	12°39	2°55	8° 0	24°58	10°52	4°31	24°38	5°26	5°41	4°44	21°28	W20
T 21	3 58 51	28°32'57	18°44	16°37	13°48	3°41	8°13	25° 5	10°50	4°32	24°37	5°27	5°38	4°51	21°34	T 21
F 22	4 2 48	29°33'44	0♓40	18° 1	14°56	4°27	8°26	25°12	10°47	4°32	24°36	5°R27	5°34	4°58	21°39	F 22
S 23	4 6 44	0♐34'31	12°45	19°25	16° 4	5°13	8°39	25°19	10°45	4°33	24°35	5°27	5°31	5° 4	21°44	S 23
S 24	4 10 41	1°35'19	25° 4	20°47	17°12	6° 0	8°51	25°26	10°43	4°33	24°34	5°27	5°28	5°11	21°49	S 24
M25	4 14 37	2°36'09	7♈42	22° 8	18°20	6°46	9° 4	25°33	10°40	4°34	24°33	5°26	5°25	5°18	21°54	M25
T 26	4 18 34	3°36'59	20°40	23°27	19°27	7°32	9°17	25°41	10°38	4°34	24°33	5°26	5°22	5°24	21°59	T 26
W27	4 22 30	4°37'50	4♉ 1	24°44	20°35	8°18	9°29	25°48	10°36	4°34	24°32	5°26	5°19	5°31	22° 4	W27
T 28	4 26 27	5°38'42	17°46	26° 0	21°42	9° 4	9°42	25°55	10°34	4°35	24°31	5°D26	5°15	5°38	22° 8	T 28
F 29	4 30 24	6°39'36	1♊51	27°13	22°49	9°51	9°54	26° 2	10°32	4°35	24°30	5°R26	5°12	5°45	22°13	F 29
S 30	4 34 20	7♐40'30	16♊15	28♐24	23♑56	10♑37	10♏ 7	26♏ 9	10♉29	4♍35	24♈29	5♐26	5♐ 9	5♒51	22♍18	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s20	19n43	1n 6	17s40	0s50	25s28	2s19	24s 6	1s 7	11s54	1n 0	16s39	1n54	14n58	0s25	10n41	0n45	6s23	17s14	21s16	21s28	15s28	0n11	4s20
S 2	14 39	21 25	0s10	18 12	0 56	25 35	2 21	24 10	1 7	11 58	1 0	16 41	1 54	14 57	0 25	10 40	0 45	6 23	17 14	21 16	21 28	15 26	0 8	4 20
S 3	14 58	21 46	1 26	18 44	1 2	25 41	2 23	24 14	1 7	12 3	1 0	16 43	1 54	14 57	0 25	10 40	0 45	6 24	17 14	21 16	21 27	15 24	0 5	4 20
M 4	15 17	20 44	2 38	19 14	1 8	25 46	2 25	24 17	1 7	12 7	1 0	16 45	1 54	14 56	0 25	10 40	0 45	6 24	17 14	21 16	21 27	15 22	0 2	4 20
T 5	15 35	18 24	3 40	19 44	1 14	25 51	2 26	24 21	1 8	12 12	1 0	16 47	1 54	14 55	0 25	10 39	0 46	6 24	17 14	21 17	21 26	15 20	0s 0	4 20
W 6	15 54	14 56	4 29	20 13	1 20	25 55	2 28	24 24	1 8	12 16	1 0	16 49	1 53	14 54	0 25	10 39	0 46	6 24	17 14	21 17	21 26	15 18	0 3	4 20
T 7	16 12	10 38	5 1	20 41	1 26	25 58	2 30	24 26	1 8	12 20	1 0	16 50	1 53	14 53	0 25	10 39	0 46	6 25	17 14	21 17	21 25	15 16	0 6	4 21
F 8	16 30	5 47	5 15	21 7	1 32	26 0	2 31	24 29	1 8	12 25	1 0	16 52	1 53	14 53	0 25	10 38	0 46	6 25	17 14	21 17	21 25	15 14	0 9	4 21
S 9	16 47	0 40	5 10	21 33	1 37	26 2	2 32	24 31	1 9	12 29	1 0	16 54	1 53	14 52	0 25	10 38	0 46	6 25	17 13	21 16	21 24	15 12	0 11	4 21
S 10	17 4	4s27	4 47	21 58	1 42	26 3	2 34	24 33	1 9	12 33	1 0	16 56	1 53	14 51	0 25	10 38	0 46	6 25	17 13	21 16	21 23	15 10	0 14	4 21
M11	17 21	9 16	4 8	22 21	1 47	26 3	2 35	24 35	1 9	12 38	1 0	16 58	1 53	14 50	0 25	10 37	0 46	6 26	17 13	21 16	21 23	15 8	0 16	4 21
T 12	17 38	13 34	3 15	22 44	1 52	26 3	2 36	24 36	1 9	12 42	1 0	16 59	1 53	14 50	0 25	10 37	0 46	6 26	17 13	21 15	21 22	15 6	0 19	4 21
W13	17 54	17 8	2 13	23 5	1 56	26 2	2 37	24 37	1 9	12 46	1 0	17 1	1 53	14 49	0 25	10 37	0 46	6 26	17 13	21 15	21 22	15 4	0 21	4 22
T 14	18 10	19 45	1 5	23 25	2 1	26 0	2 38	24 38	1 10	12 51	1 0	17 3	1 53	14 48	0 25	10 37	0 46	6 26	17 13	21 15	21 21	15 2	0 24	4 22
F 15	18 26	21 19	0n 5	23 44	2 5	25 57	2 39	24 39	1 10	12 55	1 0	17 5	1 53	14 47	0 25	10 36	0 46	6 26	17 13	21 15	21 21	15 0	0 26	4 22
S 16	18 41	21 48	1 14	24 2	2 9	25 54	2 39	24 39	1 10	12 59	1 0	17 6	1 53	14 47	0 25	10 36	0 46	6 27	17 12	21 15	21 20	14 58	0 29	4 22
S 17	18 56	21 12	2 17	24 18	2 12	25 50	2 40	24 39	1 10	13 3	1 0	17 8	1 53	14 46	0 25	10 36	0 46	6 27	17 12	21 15	21 20	14 56	0 31	4 22
M18	19 11	19 37	3 14	24 33	2 15	25 45	2 40	24 39	1 10	13 7	1 0	17 10	1 53	14 45	0 24	10 36	0 46	6 27	17 12	21 15	21 19	14 54	0 34	4 23
T 19	19 25	17 12	4 2	24 47	2 18	25 40	2 41	24 39	1 10	13 12	1 0	17 12	1 53	14 45	0 24	10 35	0 46	6 27	17 12	21 15	21 18	14 52	0 36	4 23
W20	19 39	14 5	4 39	24 59	2 20	25 33	2 41	24 38	1 10	13 16	1 0	17 13	1 53	14 44	0 24	10 35	0 46	6 27	17 12	21 15	21 18	14 50	0 38	4 23
T 21	19 53	10 25	5 4	25 11	2 22	25 27	2 41	24 37	1 11	13 20	1 0	17 15	1 53	14 43	0 24	10 35	0 46	6 27	17 11	21 15	21 17	14 48	0 41	4 23
F 22	20 6	6 20	5 16	25 20	2 24	25 19	2 41	24 36	1 11	13 24	1 0	17 17	1 53	14 42	0 24	10 35	0 46	6 27	17 11	21 15	21 17	14 46	0 43	4 23
S 23	20 19	1 56	5 15	25 29	2 25	25 11	2 41	24 34	1 11	13 28	1 0	17 19	1 53	14 42	0 24	10 35	0 46	6 27	17 11	21 15	21 16	14 44	0 45	4 24
S 24	20 31	2n37	4 59	25 35	2 26	25 2	2 41	24 32	1 11	13 32	1 0	17 20	1 53	14 41	0 24	10 35	0 46	6 28	17 11	21 15	21 16	14 42	0 47	4 24
M25	20 43	7 10	4 29	25 41	2 26	24 53	2 40	24 30	1 11	13 36	1 0	17 22	1 53	14 40	0 24	10 35	0 46	6 28	17 10	21 15	21 15	14 40	0 49	4 24
T 26	20 55	11 32	3 44	25 45	2 25	24 43	2 40	24 27	1 11	13 40	1 0	17 24	1 53	14 40	0 24	10 34	0 46	6 28	17 10	21 15	21 14	14 38	0 52	4 24
W27	21 7	15 29	2 46	25 47	2 24	24 32	2 39	24 25	1 11	13 44	1 0	17 25	1 53	14 39	0 24	10 34	0 46	6 28	17 10	21 15	21 14	14 36	0 54	4 24
T 28	21 17	18 42	1 37	25 48	2 23	24 20	2 38	24 22	1 11	13 48	1 0	17 27	1 53	14 38	0 24	10 34	0 46	6 28	17 10	21 15	21 13	14 34	0 56	4 25
F 29	21 28	20 54	0 20	25 48	2 20	24 8	2 37	24 19	1 11	13 52	1 0	17 29	1 53	14 38	0 24	10 34	0 46	6 28	17 9	21 15	21 13	14 32	0 58	4 25
S 30	21s38	21n47	1s 0	25s46	2s17	23s56	2s36	24s15	1s11	13s56	1n 0	17s30	1n53	14n37	0s24	10n34	0n46	6s28	17s 9	21s15	21s12	14s30	1s 0	4s25

Julian Day Number = 2306482.5, Delta T = 85.13 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'50, Lahiri = 18°18'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1602
geocentric

DECEMBER 1602 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 38 17	8♐41'26	0♋50	29♐32	25♉ 2	11♉24	10♏19	26♏16	10°R27	4♍36	24°R29	5°R26	5♐ 6	5♒58	22♍22	S 1
M 2	4 42 13	9°42'22	15°30	0♉36	26° 8	12°10	10°31	26°23	10♉25	4°36	24♈28	5♐25	5° 3	6° 5	22°26	M 2
T 3	4 46 10	10°43'20	0♌10	1°35	27°15	12°57	10°44	26°30	10°23	4°36	24°27	5°25	5° 0	6°11	22°30	T 3
W 4	4 50 6	11°44'19	14°43	2°31	28°21	13°43	10°56	26°37	10°21	4°36	24°26	5°24	4°56	6°18	22°35	W 4
T 5	4 54 3	12°45'18	29° 4	3°21	29°26	14°30	11° 8	26°44	10°19	4°36	24°26	5°24	4°53	6°25	22°38	T 5
F 6	4 57 59	13°46'19	13♍11	4° 5	0♒32	15°16	11°20	26°50	10°17	4°36	24°25	5°D23	4°50	6°32	22°42	F 6
S 7	5 1 56	14°47'22	27° 1	4°42	1°37	16° 3	11°32	26°57	10°15	4°R36	24°24	5°23	4°47	6°38	22°46	S 7
S 8	5 5 53	15°48'25	10♎36	5°11	2°42	16°50	11°44	27° 4	10°13	4°36	24°24	5°24	4°44	6°45	22°50	S 8
M 9	5 9 49	16°49'29	23°54	5°32	3°47	17°36	11°56	27°11	10°11	4°36	24°23	5°25	4°40	6°52	22°53	M 9
T 10	5 13 46	17°50'34	6♏58	5°43	4°51	18°23	12° 8	27°18	10°10	4°36	24°22	5°26	4°37	6°58	22°57	T 10
W11	5 17 42	18°51'40	19°48	5°R44	5°55	19°10	12°20	27°25	10° 8	4°36	24°22	5°27	4°34	7° 5	23° 0	W11
T 12	5 21 39	19°52'47	2♐26	5°34	6°59	19°57	12°32	27°32	10° 6	4°36	24°21	5°R28	4°31	7°12	23° 3	T 12
F 13	5 25 35	20°53'55	14°53	5°12	8° 3	20°44	12°44	27°38	10° 4	4°36	24°21	5°28	4°28	7°18	23° 7	F 13
S 14	5 29 32	21°55'03	27° 9	4°39	9° 6	21°30	12°55	27°45	10° 3	4°35	24°20	5°26	4°25	7°25	23°10	S 14
S 15	5 33 28	22°56'12	9♑16	3°54	10° 9	22°17	13° 7	27°52	10° 1	4°35	24°20	5°24	4°21	7°32	23°12	S 15
M16	5 37 25	23°57'21	21°16	2°59	11°11	23° 4	13°18	27°58	9°59	4°35	24°19	5°22	4°18	7°39	23°15	M16
T 17	5 41 22	24°58'31	3♒ 9	1°54	12°14	23°51	13°30	28° 5	9°58	4°34	24°19	5°18	4°15	7°45	23°18	T 17
W18	5 45 18	25°59'40	15° 0	0°41	13°15	24°38	13°41	28°12	9°56	4°34	24°18	5°15	4°12	7°52	23°20	W18
T 19	5 49 15	27° 0'50	26°51	29♐22	14°17	25°25	13°53	28°18	9°55	4°34	24°18	5°12	4° 9	7°59	23°23	T 19
F 20	5 53 11	28° 2'00	8♓45	28° 0	15°18	26°12	14° 4	28°25	9°53	4°33	24°17	5° 9	4° 6	8° 5	23°25	F 20
S 21	5 57 8	29° 3'10	20°47	26°38	16°19	27° 0	14°15	28°31	9°52	4°33	24°17	5° 8	4° 2	8°12	23°27	S 21
S 22	6 1 4	0♉ 4'20	3♈ 2	25°18	17°19	27°47	14°26	28°37	9°51	4°32	24°16	5°D 7	3°59	8°19	23°29	S 22
M23	6 5 1	1° 5'30	15°33	24° 3	18°19	28°34	14°37	28°44	9°49	4°32	24°16	5° 8	3°56	8°26	23°31	M23
T 24	6 8 57	2° 6'39	28°26	22°55	19°18	29°21	14°48	28°50	9°48	4°31	24°16	5°10	3°53	8°32	23°33	T 24
W25	6 12 54	3° 7'49	11♉44	21°56	20°17	0♒ 8	14°59	28°57	9°47	4°31	24°15	5°11	3°50	8°39	23°35	W25
T 26	6 16 51	4° 8'59	25°28	21° 6	21°15	0°55	15° 9	29° 3	9°46	4°30	24°15	5°13	3°46	8°46	23°37	T 26
F 27	6 20 47	5°10'08	9♊40	20°26	22°13	1°42	15°20	29° 9	9°45	4°29	24°15	5°R13	3°43	8°52	23°38	F 27
S 28	6 24 44	6°11'18	24°17	19°57	23°10	2°30	15°31	29°15	9°43	4°29	24°15	5°12	3°40	8°59	23°39	S 28
S 29	6 28 40	7°12'27	9♋12	19°38	24° 7	3°17	15°41	29°21	9°42	4°28	24°14	5° 9	3°37	9° 6	23°41	S 29
M30	6 32 37	8°13'36	24°19	19°D29	25° 3	4° 4	15°51	29°27	9°41	4°27	24°14	5° 5	3°34	9°13	23°42	M30
T 31	6 36 33	9♉14'46	9♌26	19♐29	25♒59	4♒51	16♏ 2	29♏33	9♉40	4♍27	24♈14	4♐59	3♐31	9♒19	23♍43	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s48	21n13	2s16	25s42	2s13	23s43	2s35	24s11	1s11	14s 0	1n 0	17s32	1n53	14n36	0s24	10n34	0n46	6s28	17s 9	21s15	21s12	14s28	1s 2	4s25
M 2	21 57	19 12	3 25	25 37	2 8	23 29	2 34	24 7	1 11	14 3	1 0	17 34	1 53	14 36	0 24	10 34	0 47	6 28	17 9	21 15	21 11	14 26	1 4	4 26
T 3	22 6	15 56	4 19	25 31	2 2	23 15	2 32	24 3	1 11	14 7	1 0	17 35	1 53	14 35	0 24	10 34	0 47	6 28	17 8	21 15	21 10	14 23	1 6	4 26
W 4	22 14	11 43	4 57	25 23	1 55	23 0	2 31	23 58	1 12	14 11	1 0	17 37	1 53	14 34	0 24	10 34	0 47	6 28	17 8	21 15	21 10	14 21	1 7	4 26
T 5	22 23	6 54	5 15	25 14	1 47	22 44	2 29	23 53	1 12	14 15	1 0	17 38	1 53	14 34	0 24	10 34	0 47	6 28	17 8	21 15	21 9	14 19	1 9	4 26
F 6	22 30	1 47	5 14	25 4	1 38	22 28	2 27	23 48	1 12	14 18	1 0	17 40	1 53	14 33	0 24	10 34	0 47	6 28	17 8	21 15	21 9	14 17	1 11	4 27
S 7	22 37	3s19	4 55	24 52	1 28	22 12	2 25	23 42	1 12	14 22	1 0	17 42	1 53	14 33	0 24	10 34	0 47	6 28	17 7	21 15	21 8	14 15	1 13	4 27
S 8	22 44	8 11	4 19	24 39	1 16	21 55	2 23	23 37	1 12	14 26	1 0	17 43	1 53	14 32	0 24	10 34	0 47	6 28	17 7	21 15	21 8	14 13	1 14	4 27
M 9	22 50	12 33	3 30	24 25	1 3	21 37	2 20	23 31	1 12	14 29	1 0	17 45	1 53	14 31	0 24	10 34	0 47	6 28	17 7	21 15	21 7	14 11	1 16	4 27
T 10	22 56	16 15	2 31	24 10	0 49	21 19	2 18	23 24	1 11	14 33	1 0	17 46	1 53	14 31	0 24	10 34	0 47	6 28	17 6	21 15	21 6	14 9	1 18	4 28
W11	23 1	19 6	1 26	23 55	0 33	21 1	2 15	23 18	1 11	14 37	1 1	17 48	1 53	14 30	0 24	10 34	0 47	6 28	17 6	21 15	21 6	14 7	1 19	4 28
T 12	23 6	20 58	0 17	23 38	0 16	20 42	2 12	23 11	1 11	14 40	1 1	17 49	1 53	14 30	0 24	10 34	0 47	6 28	17 6	21 16	21 5	14 5	1 21	4 28
F 13	23 11	21 46	0n52	23 21	0n 2	20 22	2 9	23 4	1 11	14 44	1 1	17 51	1 53	14 29	0 24	10 34	0 47	6 28	17 5	21 16	21 5	14 3	1 22	4 29
S 14	23 15	21 31	1 57	23 3	0 21	20 2	2 6	22 56	1 11	14 47	1 1	17 52	1 53	14 29	0 24	10 35	0 47	6 27	17 5	21 15	21 4	14 1	1 24	4 29
S 15	23 18	20 14	2 56	22 45	0 41	19 42	2 2	22 49	1 11	14 51	1 1	17 54	1 53	14 28	0 24	10 35	0 47	6 27	17 5	21 15	21 4	13 59	1 25	4 29
M16	23 21	18 4	3 47	22 27	1 1	19 22	1 59	22 41	1 11	14 54	1 1	17 55	1 53	14 28	0 24	10 35	0 47	6 27	17 4	21 14	21 3	13 57	1 26	4 29
T 17	23 24	15 10	4 27	22 8	1 21	19 1	1 55	22 33	1 11	14 57	1 1	17 56	1 53	14 27	0 24	10 35	0 47	6 27	17 4	21 14	21 2	13 55	1 28	4 30
W18	23 26	11 40	4 55	21 49	1 40	18 39	1 51	22 24	1 11	15 1	1 1	17 58	1 53	14 27	0 24	10 35	0 47	6 27	17 4	21 13	21 2	13 53	1 29	4 30
T 19	23 27	7 43	5 11	21 31	1 58	18 17	1 47	22 16	1 11	15 4	1 1	17 59	1 53	14 26	0 24	10 35	0 47	6 27	17 3	21 13	21 1	13 51	1 30	4 30
F 20	23 28	3 27	5 14	21 13	2 15	17 55	1 43	22 7	1 11	15 7	1 1	18 1	1 53	14 26	0 24	10 36	0 47	6 27	17 3	21 12	21 1	13 49	1 31	4 30
S 21	23 29	0n59	5 3	20 57	2 30	17 33	1 39	21 58	1 11	15 11	1 1	18 2	1 53	14 26	0 24	10 36	0 47	6 26	17 3	21 12	21 0	13 47	1 32	4 31
S 22	23 29	5 28	4 38	20 42	2 43	17 10	1 34	21 48	1 11	15 14	1 1	18 3	1 53	14 25	0 24	10 36	0 47	6 26	17 2	21 12	20 59	13 44	1 33	4 31
M23	23 29	9 49	4 0	20 28	2 53	16 47	1 29	21 39	1 11	15 17	1 1	18 5	1 53	14 25	0 24	10 36	0 47	6 26	17 2	21 12	20 59	13 42	1 34	4 31
T 24	23 28	13 52	3 8	20 17	3 1	16 24	1 24	21 29	1 10	15 20	1 1	18 6	1 53	14 24	0 24	10 36	0 47	6 26	17 2	21 12	20 58	13 40	1 35	4 32
W25	23 27	17 22	2 5	20 9	3 6	16 1	1 19	21 19	1 10	15 23	1 1	18 7	1 53	14 24	0 24	10 37	0 47	6 26	17 1	21 13	20 58	13 38	1 36	4 32
T 26	23 25	20 2	0 53	20 2	3 9	15 37	1 14	21 8	1 10	15 26	1 1	18 9	1 53	14 24	0 24	10 37	0 47	6 25	17 1	21 13	20 57	13 36	1 37	4 32
F 27	23 23	21 33	0s24	19 59	3 10	15 13	1 8	20 58	1 10	15 29	1 2	18 10	1 53	14 23	0 24	10 37	0 47	6 25	17 1	21 13	20 56	13 34	1 38	4 32
S 28	23 21	21 40	1 43	19 57	3 10	14 49	1 3	20 47	1 10	15 32	1 2	18 11	1 53	14 23	0 24	10 37	0 47	6 25	17 0	21 13	20 56	13 32	1 39	4 33
S 29	23 18	20 15	2 55	19 59	3 7	14 24	0 57	20 36	1 10	15 35	1 2	18 12	1 53	14 23	0 24	10 38	0 47	6 25	17 0	21 12	20 55	13 30	1 40	4 33
M30	23 14	17 25	3 56	20 2	3 3	14 0	0 51	20 24	1 10	15 38	1 2	18 14	1 54	14 22	0 24	10 38	0 48	6 24	17 0	21 11	20 55	13 28	1 40	4 33
T 31	23s10	13n25	4s41	20s 7	2n58	13s35	0s45	20s13	1s 9	15s41	1n 2	18s15	1n54	14n22	0s24	10n38	0n48	6s24	16s59	21s10	20s54	13s26	1s41	4s33

Julian Day Number = 2306512.5, Delta T = 85.03 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'54, Lahiri = 18°18'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

JANUARY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 40 30	10♉15'55	24♌24	19♐38	26♒54	5♒39	16♏12	29♏39	9°R40	4°R26	24°R14	4°R54	3♐27	9♒26	23♍44	W 1
T 2	6 44 27	11°17'04	9♍ 6	19°54	27°48	6°26	16°22	29°45	9♉39	4♍25	24♈14	4♐50	3°24	9°33	23°44	T 2
F 3	6 48 23	12°18'13	23°26	20°18	28°42	7°13	16°32	29°51	9°38	4°24	24°13	4°46	3°21	9°39	23°45	F 3
S 4	6 52 20	13°19'23	7♎22	20°49	29°35	8° 1	16°42	29°57	9°37	4°23	24°13	4°D45	3°18	9°46	23°46	S 4
S 5	6 56 16	14°20'32	20°53	21°25	0♓27	8°48	16°52	0♐ 3	9°37	4°22	24°13	4°45	3°15	9°53	23°46	S 5
M 6	7 0 13	15°21'42	4♏ 1	22° 7	1°18	9°35	17° 1	0° 8	9°36	4°21	24°13	4°46	3°12	10° 0	23°46	M 6
T 7	7 4 9	16°22'51	16°50	22°54	2° 9	10°23	17°11	0°14	9°35	4°20	24°13	4°48	3° 8	10° 6	23°46	T 7
W 8	7 8 6	17°24'00	29°24	23°45	2°59	11°10	17°20	0°20	9°35	4°19	24°D13	4°R49	3° 5	10°13	23°R46	W 8
T 9	7 12 2	18°25'09	11♐44	24°39	3°48	11°57	17°30	0°25	9°34	4°18	24°13	4°49	3° 2	10°20	23°46	T 9
F 10	7 15 59	19°26'18	23°55	25°38	4°36	12°45	17°39	0°31	9°34	4°17	24°13	4°47	2°59	10°26	23°46	F 10
S 11	7 19 56	20°27'27	5♉59	26°39	5°23	13°32	17°48	0°36	9°33	4°16	24°13	4°42	2°56	10°33	23°46	S 11
S 12	7 23 52	21°28'35	17°57	27°43	6° 9	14°20	17°57	0°42	9°33	4°15	24°13	4°36	2°52	10°40	23°45	S 12
M13	7 27 49	22°29'42	29°51	28°50	6°55	15° 7	18° 6	0°47	9°33	4°14	24°13	4°27	2°49	10°47	23°45	M13
T 14	7 31 45	23°30'48	11♒43	29°58	7°39	15°54	18°15	0°52	9°33	4°13	24°14	4°17	2°46	10°53	23°44	T 14
W15	7 35 42	24°31'54	23°35	1♉ 9	8°22	16°42	18°24	0°57	9°32	4°12	24°14	4° 7	2°43	11° 0	23°43	W15
T 16	7 39 38	25°32'59	5♓27	2°22	9° 5	17°29	18°32	1° 2	9°32	4°10	24°14	3°57	2°40	11° 7	23°42	T 16
F 17	7 43 35	26°34'03	17°22	3°37	9°45	18°17	18°40	1° 7	9°32	4° 9	24°14	3°48	2°37	11°13	23°41	F 17
S 18	7 47 31	27°35'07	29°24	4°53	10°25	19° 4	18°49	1°12	9°D32	4° 8	24°14	3°42	2°33	11°20	23°40	S 18
S 19	7 51 28	28°36'09	11♈36	6°10	11° 4	19°51	18°57	1°17	9°32	4° 7	24°14	3°38	2°30	11°27	23°39	S 19
M20	7 55 25	29°37'10	24° 2	7°29	11°41	20°39	19° 5	1°22	9°32	4° 5	24°15	3°36	2°27	11°33	23°38	M20
T 21	7 59 21	0♒38'10	6♉47	8°49	12°17	21°26	19°13	1°27	9°33	4° 4	24°15	3°D36	2°24	11°40	23°36	T 21
W22	8 3 18	1°39'08	19°56	10°10	12°51	22°13	19°21	1°31	9°33	4° 3	24°15	3°37	2°21	11°47	23°34	W22
T 23	8 7 14	2°40'06	3♊31	11°33	13°24	23° 1	19°28	1°36	9°33	4° 1	24°16	3°R37	2°18	11°54	23°33	T 23
F 24	8 11 11	3°41'02	17°35	12°56	13°56	23°48	19°36	1°40	9°33	4° 0	24°16	3°37	2°14	12° 0	23°31	F 24
S 25	8 15 7	4°41'57	2♋ 7	14°20	14°25	24°36	19°43	1°45	9°34	3°59	24°16	3°34	2°11	12° 7	23°29	S 25
S 26	8 19 4	5°42'51	17° 5	15°46	14°53	25°23	19°50	1°49	9°34	3°57	24°17	3°28	2° 8	12°14	23°27	S 26
M27	8 23 0	6°43'44	2♌19	17°12	15°20	26°10	19°57	1°54	9°35	3°56	24°17	3°20	2° 5	12°21	23°25	M27
T 28	8 26 57	7°44'36	17°41	18°39	15°44	26°58	20° 4	1°58	9°35	3°54	24°18	3°10	2° 2	12°27	23°22	T 28
W29	8 30 54	8°45'26	2♍58	20° 7	16° 7	27°45	20°11	2° 2	9°36	3°53	24°18	3° 0	1°58	12°34	23°20	W29
T 30	8 34 50	9°46'15	18° 0	21°36	16°28	28°32	20°18	2° 6	9°36	3°51	24°18	2°51	1°55	12°41	23°18	T 30
F 31	8 38 47	10♒47'04	2♎37	23♉ 6	16♓47	29♒20	20♏24	2♐10	9♉37	3♍50	24♈19	2♐43	1♐52	12♒47	23♍15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 6	8n36	5s 6	20s14	2n52	13s10	0s38	20s 1	1s 9	15s44	1n 2	18s16	1n54	14n22	0s24	10n39	0n48	6s24	16s59	21s10	20s53	13s24	1s42	4s34
T 2	23 1	3 23	5 10	20 22	2 45	12 45	0 32	19 49	1 9	15 47	1 2	18 17	1 54	14 22	0 24	10 39	0 48	6 24	16 59	21 9	20 53	13 22	1 42	4 34
F 3	22 55	1s54	4 55	20 32	2 37	12 20	0 25	19 37	1 9	15 49	1 2	18 18	1 54	14 21	0 24	10 39	0 48	6 23	16 58	21 8	20 52	13 19	1 43	4 34
S 4	22 49	6 57	4 23	20 42	2 29	11 55	0 18	19 24	1 9	15 52	1 2	18 20	1 54	14 21	0 23	10 40	0 48	6 23	16 58	21 8	20 52	13 17	1 43	4 34
S 5	22 43	11 30	3 36	20 53	2 20	11 30	0 10	19 12	1 8	15 55	1 2	18 21	1 54	14 21	0 23	10 40	0 48	6 23	16 58	21 8	20 51	13 15	1 43	4 35
M 6	22 36	15 23	2 39	21 4	2 11	11 5	0 3	18 59	1 8	15 57	1 2	18 22	1 54	14 21	0 23	10 40	0 48	6 22	16 57	21 8	20 50	13 13	1 44	4 35
T 7	22 29	18 26	1 36	21 16	2 2	10 40	0n 5	18 46	1 8	16 0	1 2	18 23	1 54	14 21	0 23	10 41	0 48	6 22	16 57	21 8	20 50	13 11	1 44	4 35
W 8	22 21	20 32	0 29	21 28	1 53	10 14	0 13	18 33	1 8	16 3	1 3	18 24	1 54	14 21	0 23	10 41	0 48	6 22	16 56	21 9	20 49	13 9	1 44	4 35
T 9	22 13	21 37	0n37	21 40	1 43	9 49	0 21	18 19	1 7	16 5	1 3	18 25	1 54	14 20	0 23	10 42	0 48	6 21	16 56	21 9	20 49	13 7	1 44	4 36
F 10	22 5	21 40	1 42	21 51	1 34	9 24	0 29	18 6	1 7	16 8	1 3	18 26	1 54	14 20	0 23	10 42	0 48	6 21	16 56	21 8	20 48	13 5	1 45	4 36
S 11	21 56	20 41	2 40	22 2	1 25	8 59	0 37	17 52	1 7	16 10	1 3	18 27	1 55	14 20	0 23	10 42	0 48	6 21	16 55	21 7	20 47	13 3	1 45	4 36
S 12	21 46	18 47	3 31	22 13	1 15	8 33	0 46	17 38	1 7	16 12	1 3	18 28	1 55	14 20	0 23	10 43	0 48	6 20	16 55	21 6	20 47	13 1	1 45	4 36
M13	21 36	16 6	4 13	22 23	1 6	8 8	0 55	17 24	1 6	16 15	1 3	18 29	1 55	14 20	0 23	10 43	0 48	6 20	16 55	21 5	20 46	12 58	1 45	4 37
T 14	21 26	12 46	4 43	22 33	0 57	7 44	1 4	17 9	1 6	16 17	1 3	18 30	1 55	14 20	0 23	10 44	0 48	6 20	16 54	21 3	20 45	12 56	1 45	4 37
W15	21 16	8 57	5 1	22 42	0 47	7 19	1 13	16 55	1 6	16 19	1 3	18 31	1 55	14 20	0 23	10 44	0 48	6 19	16 54	21 1	20 45	12 54	1 45	4 37
T 16	21 5	4 47	5 6	22 50	0 38	6 54	1 23	16 40	1 6	16 22	1 3	18 32	1 55	14 20	0 23	10 45	0 48	6 19	16 54	20 59	20 44	12 52	1 44	4 37
F 17	20 53	0 26	4 57	22 57	0 29	6 30	1 33	16 25	1 5	16 24	1 4	18 33	1 55	14 20	0 23	10 45	0 48	6 18	16 53	20 57	20 44	12 50	1 44	4 38
S 18	20 41	3n59	4 36	23 3	0 21	6 6	1 43	16 10	1 5	16 26	1 4	18 34	1 55	14 20	0 23	10 46	0 48	6 18	16 53	20 56	20 43	12 48	1 44	4 38
S 19	20 29	8 18	4 2	23 9	0 12	5 42	1 53	15 55	1 5	16 28	1 4	18 35	1 55	14 20	0 23	10 46	0 48	6 18	16 52	20 55	20 42	12 46	1 44	4 38
M20	20 16	12 22	3 16	23 13	0 4	5 18	2 3	15 39	1 4	16 30	1 4	18 36	1 55	14 20	0 23	10 47	0 48	6 17	16 52	20 55	20 42	12 44	1 43	4 38
T 21	20 3	15 59	2 19	23 16	0s 5	4 54	2 14	15 24	1 4	16 32	1 4	18 36	1 56	14 20	0 23	10 47	0 48	6 17	16 52	20 55	20 41	12 42	1 43	4 38
W22	19 50	18 55	1 13	23 18	0 13	4 31	2 25	15 8	1 4	16 34	1 4	18 37	1 56	14 20	0 23	10 48	0 48	6 16	16 51	20 55	20 40	12 39	1 42	4 39
T 23	19 36	20 55	0 1	23 19	0 20	4 9	2 36	14 52	1 3	16 36	1 4	18 38	1 56	14 20	0 23	10 48	0 48	6 16	16 51	20 55	20 40	12 37	1 42	4 39
F 24	19 22	21 41	1s14	23 19	0 28	3 46	2 47	14 36	1 3	16 38	1 4	18 39	1 56	14 21	0 23	10 49	0 48	6 15	16 51	20 55	20 39	12 35	1 41	4 39
S 25	19 8	21 2	2 26	23 18	0 35	3 24	2 58	14 20	1 3	16 40	1 4	18 40	1 56	14 21	0 23	10 49	0 48	6 15	16 50	20 55	20 39	12 33	1 41	4 39
S 26	18 53	18 55	3 30	23 16	0 42	3 3	3 10	14 4	1 2	16 42	1 5	18 40	1 56	14 21	0 23	10 50	0 48	6 14	16 50	20 53	20 38	12 31	1 40	4 39
M27	18 38	15 27	4 20	23 12	0 49	2 42	3 21	13 48	1 2	16 44	1 5	18 41	1 56	14 21	0 23	10 50	0 48	6 14	16 50	20 52	20 37	12 29	1 39	4 39
T 28	18 22	10 55	4 52	23 7	0 56	2 21	3 33	13 31	1 2	16 45	1 5	18 42	1 56	14 21	0 23	10 51	0 48	6 14	16 49	20 50	20 37	12 27	1 38	4 39
W29	18 7	5 43	5 3	23 0	1 2	2 1	3 45	13 14	1 1	16 47	1 5	18 42	1 57	14 21	0 23	10 51	0 48	6 13	16 49	20 48	20 36	12 25	1 38	4 40
T 30	17 50	0 16	4 53	22 53	1 9	1 42	3 58	12 58	1 1	16 49	1 5	18 43	1 57	14 22	0 23	10 52	0 48	6 13	16 49	20 46	20 35	12 22	1 37	4 40
F 31	17s34	5s 4	4s23	22s44	1s15	1s23	4n10	12s41	1s 1	16s50	1n 5	18s44	1n57	14n22	0s23	10n53	0n48	6s12	16s48	20s45	20s35	12s20	1s36	4s40

Julian Day Number = 2306543.5, Delta T = 84.92 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°11'59, Lahiri = 18°18'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

FEBRUARY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 43	11♒47'51	16♎45	24♑36	17♓ 4	0♓ 7	20♏31	2♐14	9♉38	3°R48	24♈19	2°R38	1♐49	12♒54	23°R12	S 1
S 2	8 46 40	12°48'37	0♏24	26° 8	17°19	0°54	20°37	2°18	9°38	3♍47	24°20	2♐36	1°46	13° 1	23♍10	S 2
M 3	8 50 36	13°49'23	13°35	27°40	17°31	1°41	20°43	2°21	9°39	3°45	24°21	2°D35	1°43	13° 8	23° 7	M 3
T 4	8 54 33	14°50'07	26°22	29°13	17°42	2°29	20°49	2°25	9°40	3°44	24°21	2°R35	1°39	13°14	23° 4	T 4
W 5	8 58 29	15°50'51	8♐49	0♒47	17°50	3°16	20°55	2°28	9°41	3°42	24°22	2°35	1°36	13°21	23° 1	W 5
T 6	9 2 26	16°51'33	21° 2	2°21	17°56	4° 3	21° 0	2°32	9°42	3°40	24°22	2°34	1°33	13°28	22°58	T 6
F 7	9 6 23	17°52'14	3♑ 4	3°57	17°59	4°50	21° 6	2°35	9°43	3°39	24°23	2°30	1°30	13°34	22°54	F 7
S 8	9 10 19	18°52'54	14°59	5°33	18°R 0	5°37	21°11	2°39	9°44	3°37	24°24	2°23	1°27	13°41	22°51	S 8
S 9	9 14 16	19°53'33	26°51	7°10	17°59	6°25	21°16	2°42	9°45	3°36	24°24	2°13	1°24	13°48	22°48	S 9
M10	9 18 12	20°54'10	8♒42	8°48	17°55	7°12	21°21	2°45	9°46	3°34	24°25	2° 1	1°20	13°55	22°44	M10
T 11	9 22 9	21°54'45	20°34	10°27	17°49	7°59	21°26	2°48	9°48	3°32	24°26	1°46	1°17	14° 1	22°40	T 11
W12	9 26 5	22°55'20	2♓27	12° 7	17°40	8°46	21°30	2°51	9°49	3°31	24°26	1°31	1°14	14° 8	22°37	W12
T 13	9 30 2	23°55'52	14°24	13°47	17°28	9°33	21°35	2°54	9°50	3°29	24°27	1°17	1°11	14°15	22°33	T 13
F 14	9 33 58	24°56'23	26°26	15°29	17°15	10°20	21°39	2°56	9°52	3°28	24°28	1° 4	1° 8	14°21	22°29	F 14
S 15	9 37 55	25°56'52	8♈34	17°11	16°58	11° 7	21°43	2°59	9°53	3°26	24°29	0°54	1° 4	14°28	22°25	S 15
S 16	9 41 52	26°57'19	20°50	18°55	16°39	11°54	21°47	3° 2	9°55	3°24	24°30	0°47	1° 1	14°35	22°21	S 16
M17	9 45 48	27°57'44	3♉18	20°39	16°18	12°41	21°51	3° 4	9°56	3°23	24°30	0°43	0°58	14°42	22°17	M17
T 18	9 49 45	28°58'08	16° 2	22°25	15°55	13°28	21°54	3° 6	9°58	3°21	24°31	0°41	0°55	14°48	22°13	T 18
W19	9 53 41	29°58'29	29° 4	24°11	15°29	14°15	21°58	3° 9	9°59	3°19	24°32	0°41	0°52	14°55	22° 9	W19
T 20	9 57 38	0♓58'49	12♊30	25°58	15° 1	15° 2	22° 1	3°11	10° 1	3°18	24°33	0°41	0°49	15° 2	22° 5	T 20
F 21	10 1 34	1°59'07	26°21	27°46	14°32	15°49	22° 4	3°13	10° 3	3°16	24°34	0°39	0°45	15° 8	22° 1	F 21
S 22	10 5 31	2°59'22	10♋39	29°36	14° 0	16°36	22° 7	3°15	10° 4	3°14	24°35	0°36	0°42	15°15	21°56	S 22
S 23	10 9 27	3°59'36	25°23	1♓26	13°27	17°23	22°10	3°17	10° 6	3°13	24°36	0°30	0°39	15°22	21°52	S 23
M24	10 13 24	4°59'47	10♌27	3°17	12°53	18° 9	22°12	3°19	10° 8	3°11	24°37	0°21	0°36	15°29	21°48	M24
T 25	10 17 21	5°59'56	25°43	5° 9	12°17	18°56	22°14	3°20	10°10	3° 9	24°38	0°10	0°33	15°35	21°43	T 25
W26	10 21 17	7° 0'04	10♍59	7° 3	11°41	19°43	22°17	3°22	10°12	3° 7	24°39	29♏58	0°30	15°42	21°39	W26
T 27	10 25 14	8° 0'10	26° 6	8°57	11° 3	20°30	22°19	3°23	10°14	3° 6	24°40	29°48	0°26	15°49	21°34	T 27
F 28	10 29 10	9♓ 0'13	10♎51	10♓51	10♓26	21♓16	22♏20	3♐25	10♉16	3♍ 4	24♈41	29♏39	0♐23	15♒55	21♍29	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s17	9s57	3s38	22s34	1s20	1s 5	4n22	12s24	1s 0	16s52	1n 5	18s44	1n57	14n22	0s23	10n53	0n48	6s12	16s48	20s44	20s34	12s18	1s35	4s40
S 2	17 0	14 10	2 42	22 22	1 25	0 48	4 35	12 7	1 0	16 53	1 6	18 45	1 57	14 22	0 23	10 54	0 48	6 11	16 47	20 43	20 33	12 16	1 34	4 40
M 3	16 43	17 32	1 39	22 9	1 31	0 31	4 48	11 49	0 59	16 55	1 6	18 46	1 57	14 23	0 23	10 54	0 48	6 11	16 47	20 43	20 33	12 14	1 33	4 40
T 4	16 25	19 55	0 33	21 55	1 35	0 16	5 1	11 32	0 59	16 56	1 6	18 46	1 57	14 23	0 23	10 55	0 49	6 10	16 47	20 43	20 32	12 12	1 32	4 40
W 5	16 7	21 16	0n33	21 39	1 40	0 1	5 13	11 14	0 59	16 58	1 6	18 47	1 57	14 23	0 23	10 55	0 49	6 9	16 46	20 43	20 32	12 10	1 31	4 40
T 6	15 49	21 35	1 36	21 22	1 44	0n13	5 26	10 57	0 58	16 59	1 6	18 47	1 58	14 24	0 23	10 56	0 49	6 9	16 46	20 43	20 31	12 7	1 29	4 40
F 7	15 30	20 53	2 34	21 3	1 48	0 27	5 39	10 39	0 58	17 0	1 6	18 48	1 58	14 24	0 23	10 57	0 49	6 8	16 46	20 42	20 30	12 5	1 28	4 40
S 8	15 12	19 16	3 24	20 43	1 51	0 39	5 52	10 21	0 57	17 2	1 6	18 48	1 58	14 24	0 23	10 57	0 49	6 8	16 45	20 41	20 30	12 3	1 27	4 41
S 9	14 53	16 49	4 5	20 22	1 54	0 50	6 4	10 4	0 57	17 3	1 6	18 49	1 58	14 25	0 22	10 58	0 49	6 7	16 45	20 39	20 29	12 1	1 26	4 41
M10	14 33	13 41	4 36	19 59	1 57	1 0	6 17	9 46	0 57	17 4	1 7	18 49	1 58	14 25	0 22	10 58	0 49	6 7	16 45	20 36	20 28	11 59	1 24	4 41
T 11	14 14	10 1	4 54	19 35	2 0	1 9	6 29	9 28	0 56	17 5	1 7	18 50	1 58	14 26	0 22	10 59	0 49	6 6	16 44	20 34	20 28	11 57	1 23	4 41
W12	13 54	5 58	4 59	19 9	2 2	1 17	6 42	9 10	0 56	17 6	1 7	18 50	1 58	14 26	0 22	11 0	0 49	6 6	16 44	20 31	20 27	11 55	1 22	4 41
T 13	13 34	1 40	4 52	18 42	2 3	1 23	6 54	8 51	0 55	17 7	1 7	18 51	1 59	14 26	0 22	11 0	0 49	6 5	16 44	20 28	20 26	11 52	1 20	4 41
F 14	13 14	2n44	4 31	18 13	2 5	1 29	7 5	8 33	0 55	17 8	1 7	18 51	1 59	14 27	0 22	11 1	0 49	6 5	16 44	20 25	20 26	11 50	1 19	4 41
S 15	12 54	7 3	3 58	17 43	2 6	1 33	7 17	8 15	0 54	17 9	1 7	18 51	1 59	14 27	0 22	11 2	0 49	6 4	16 43	20 23	20 25	11 48	1 17	4 41
S 16	12 33	11 8	3 14	17 11	2 6	1 36	7 28	7 56	0 54	17 10	1 7	18 52	1 59	14 28	0 22	11 2	0 49	6 3	16 43	20 21	20 24	11 46	1 15	4 41
M17	12 12	14 49	2 19	16 38	2 6	1 37	7 38	7 38	0 53	17 11	1 8	18 52	1 59	14 28	0 22	11 3	0 49	6 3	16 43	20 21	20 24	11 44	1 14	4 41
T 18	11 51	17 54	1 17	16 3	2 6	1 37	7 48	7 20	0 53	17 11	1 8	18 52	1 59	14 29	0 22	11 3	0 49	6 2	16 42	20 20	20 23	11 42	1 12	4 41
W19	11 30	20 8	0 9	15 27	2 5	1 36	7 57	7 1	0 52	17 12	1 8	18 52	2 0	14 29	0 22	11 4	0 49	6 2	16 42	20 20	20 22	11 40	1 10	4 40
T 20	11 9	21 19	1s 2	14 50	2 4	1 34	8 6	6 42	0 52	17 13	1 8	18 53	2 0	14 30	0 22	11 5	0 49	6 1	16 42	20 20	20 22	11 37	1 9	4 40
F 21	10 47	21 15	2 11	14 11	2 2	1 30	8 14	6 24	0 52	17 14	1 8	18 53	2 0	14 31	0 22	11 5	0 49	6 1	16 41	20 20	20 21	11 35	1 7	4 40
S 22	10 26	19 50	3 14	13 31	2 0	1 25	8 21	6 5	0 51	17 14	1 8	18 53	2 0	14 31	0 22	11 6	0 49	6 0	16 41	20 19	20 20	11 33	1 5	4 40
S 23	10 4	17 4	4 6	12 49	1 57	1 18	8 28	5 46	0 51	17 15	1 8	18 53	2 0	14 32	0 22	11 6	0 49	5 59	16 41	20 18	20 20	11 31	1 3	4 40
M24	9 42	13 7	4 43	12 6	1 54	1 10	8 34	5 28	0 50	17 15	1 9	18 54	2 0	14 32	0 22	11 7	0 49	5 59	16 41	20 16	20 19	11 29	1 2	4 40
T 25	9 20	8 17	4 59	11 21	1 50	1 1	8 38	5 9	0 50	17 16	1 9	18 54	2 0	14 33	0 22	11 8	0 49	5 58	16 40	20 14	20 18	11 27	1 0	4 40
W26	8 58	2 55	4 55	10 35	1 46	0 51	8 42	4 50	0 49	17 16	1 9	18 54	2 1	14 34	0 22	11 8	0 49	5 58	16 40	20 11	20 18	11 24	0 58	4 40
T 27	8 35	2s34	4 30	9 48	1 41	0 40	8 45	4 31	0 49	17 16	1 9	18 54	2 1	14 34	0 22	11 9	0 49	5 57	16 40	20 9	20 17	11 22	0 56	4 40
F 28	8s13	7s47	3s47	8s59	1s36	0n28	8n47	4s12	0s48	17s17	1n 9	18s54	2n 1	14n35	0s22	11n10	0n49	5s56	16s40	20s 7	20s16	11s20	0s54	4s39

Julian Day Number = 2306574.5, Delta T = 84.82 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'03, Lahiri = 18°19'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

MARCH 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 33 7	10♓ 0'16	25♎10	12♓47	9°R48	22♓ 3	22♏22	3♐26	10♉18	3°R 2	24♈42	29°R32	0♐20	16♒ 2	21°R25	S 1
S 2	10 37 3	11° 0'16	8♏59	14°43	9♓10	22°49	22°23	3°27	10°20	3♍ 1	24°43	29♏29	0°17	16° 9	21♍20	S 2
M 3	10 41 0	12° 0'15	22°18	16°40	8°33	23°36	22°25	3°28	10°22	2°59	24°44	29°27	0°14	16°16	21°15	M 3
T 4	10 44 56	13° 0'12	5♐11	18°37	7°56	24°23	22°26	3°29	10°24	2°58	24°45	29°D27	0°10	16°22	21°11	T 4
W 5	10 48 53	14° 0'08	17°41	20°35	7°20	25° 9	22°26	3°30	10°27	2°56	24°46	29°R27	0° 7	16°29	21° 6	W 5
T 6	10 52 49	15° 0'02	29°53	22°32	6°46	25°56	22°27	3°31	10°29	2°54	24°47	29°26	0° 4	16°36	21° 1	T 6
F 7	10 56 46	15°59'55	11♑54	24°30	6°12	26°42	22°28	3°32	10°31	2°53	24°48	29°23	0° 1	16°42	20°56	F 7
S 8	11 0 43	16°59'45	23°47	26°27	5°40	27°28	22°28	3°32	10°34	2°51	24°49	29°18	29♏58	16°49	20°52	S 8
S 9	11 4 39	17°59'34	5♒37	28°23	5°10	28°15	22°R28	3°33	10°36	2°49	24°50	29° 9	29°55	16°56	20°47	S 9
M10	11 8 36	18°59'21	17°28	0♈19	4°41	29° 1	22°28	3°33	10°38	2°48	24°52	28°59	29°51	17° 3	20°42	M10
T 11	11 12 32	19°59'06	29°21	2°13	4°15	29°47	22°28	3°33	10°41	2°46	24°53	28°46	29°48	17° 9	20°37	T 11
W12	11 16 29	20°58'49	11♓19	4° 5	3°51	0♈34	22°27	3°34	10°43	2°45	24°54	28°33	29°45	17°16	20°32	W12
T 13	11 20 25	21°58'30	23°24	5°55	3°28	1°20	22°26	3°R34	10°46	2°43	24°55	28°20	29°42	17°23	20°28	T 13
F 14	11 24 22	22°58'09	5♈36	7°42	3° 9	2° 6	22°26	3°34	10°48	2°41	24°56	28° 9	29°39	17°30	20°23	F 14
S 15	11 28 18	23°57'46	17°55	9°26	2°51	2°52	22°25	3°34	10°51	2°40	24°57	28° 0	29°35	17°36	20°18	S 15
S 16	11 32 15	24°57'21	0♉24	11° 7	2°36	3°38	22°23	3°33	10°54	2°38	24°59	27°54	29°32	17°43	20°13	S 16
M17	11 36 12	25°56'54	13° 4	12°44	2°23	4°24	22°22	3°33	10°56	2°37	25° 0	27°50	29°29	17°50	20° 8	M17
T 18	11 40 8	26°56'24	25°57	14°16	2°13	5°10	22°20	3°33	10°59	2°35	25° 1	27°D49	29°26	17°56	20° 4	T 18
W19	11 44 5	27°55'53	9♊ 4	15°43	2° 5	5°56	22°19	3°32	11° 2	2°34	25° 2	27°50	29°23	18° 3	19°59	W19
T 20	11 48 1	28°55'19	22°29	17° 5	2° 0	6°42	22°17	3°31	11° 4	2°32	25° 4	27°R50	29°20	18°10	19°54	T 20
F 21	11 51 58	29°54'42	6♋14	18°21	1°57	7°28	22°14	3°31	11° 7	2°31	25° 5	27°50	29°16	18°17	19°49	F 21
S 22	11 55 54	0♈54'04	20°19	19°31	1°D57	8°14	22°12	3°30	11°10	2°30	25° 6	27°49	29°13	18°23	19°45	S 22
S 23	11 59 51	1°53'23	4♌45	20°35	1°59	9° 0	22°10	3°29	11°13	2°28	25° 7	27°45	29°10	18°30	19°40	S 23
M24	12 3 47	2°52'39	19°28	21°33	2° 3	9°45	22° 7	3°28	11°16	2°27	25° 9	27°39	29° 7	18°37	19°35	M24
T 25	12 7 44	3°51'53	4♍23	22°23	2° 9	10°31	22° 4	3°27	11°19	2°25	25°10	27°31	29° 4	18°43	19°31	T 25
W26	12 11 41	4°51'05	19°20	23° 7	2°18	11°17	22° 1	3°26	11°22	2°24	25°11	27°23	29° 1	18°50	19°26	W26
T 27	12 15 37	5°50'15	4♎12	23°44	2°29	12° 2	21°58	3°24	11°25	2°23	25°13	27°15	28°57	18°57	19°22	T 27
F 28	12 19 34	6°49'22	18°50	24°13	2°42	12°48	21°54	3°23	11°28	2°21	25°14	27° 8	28°54	19° 4	19°17	F 28
S 29	12 23 30	7°48'28	3♏ 6	24°36	2°57	13°33	21°51	3°21	11°31	2°20	25°15	27° 4	28°51	19°10	19°13	S 29
S 30	12 27 27	8°47'32	16°56	24°51	3°14	14°19	21°47	3°20	11°34	2°19	25°17	27° 2	28°48	19°17	19° 9	S 30
M31	12 31 23	9♈46'34	0♐20	24♈59	3♓33	15♈ 4	21♏43	3♐18	11♉37	2♍17	25♈18	27°D 1	28♏45	19♒24	19♍ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	7s50	12s24	2s51	8s 9	1s30	0n15	8n48	3s53	0s47	17s17	1n 9	18s54	2n 1	14n36	0s22	11n10	0n49	5s56	16s39	20s 6	20s16	11s18	0s52	4s39	S 1
S 2	7 27	16 12	1 46	7 18	1 23	0 1	8 48	3 34	0 47	17 17	1 9	18 54	2 1	14 36	0 22	11 11	0 49	5 55	16 39	20 5	20 15	11 16	0 50	4 39	S 2
M 3	7 4	19 0	0 38	6 26	1 16	0s14	8 47	3 15	0 46	17 17	1 10	18 54	2 1	14 37	0 22	11 11	0 49	5 55	16 39	20 5	20 14	11 14	0 48	4 39	M 3
T 4	6 41	20 43	0n30	5 33	1 8	0 29	8 45	2 56	0 46	17 17	1 10	18 54	2 2	14 38	0 22	11 12	0 49	5 54	16 39	20 5	20 14	11 11	0 46	4 39	T 4
W 5	6 18	21 20	1 35	4 39	1 0	0 45	8 42	2 37	0 45	17 18	1 10	18 54	2 2	14 38	0 22	11 13	0 49	5 53	16 38	20 5	20 13	11 9	0 44	4 38	W 5
T 6	5 55	20 56	2 34	3 45	0 51	1 2	8 38	2 19	0 45	17 18	1 10	18 54	2 2	14 39	0 22	11 13	0 49	5 53	16 38	20 4	20 12	11 7	0 42	4 38	T 6
F 7	5 32	19 33	3 25	2 49	0 41	1 18	8 33	2 0	0 44	17 18	1 10	18 54	2 2	14 40	0 22	11 14	0 49	5 52	16 38	20 4	20 12	11 5	0 40	4 38	F 7
S 8	5 9	17 21	4 6	1 54	0 31	1 35	8 27	1 41	0 44	17 18	1 10	18 54	2 2	14 41	0 22	11 14	0 49	5 52	16 38	20 3	20 11	11 3	0 37	4 38	S 8
S 9	4 45	14 26	4 37	0 58	0 21	1 52	8 21	1 22	0 43	17 17	1 10	18 54	2 2	14 41	0 22	11 15	0 49	5 51	16 37	20 1	20 10	11 1	0 35	4 37	S 9
M10	4 22	10 56	4 55	0 1	0 10	2 9	8 14	1 3	0 43	17 17	1 11	18 54	2 2	14 42	0 22	11 16	0 49	5 50	16 37	19 58	20 10	10 58	0 33	4 37	M10
T 11	3 58	7 1	5 1	0n54	0n 2	2 25	8 6	0 44	0 42	17 17	1 11	18 54	2 3	14 43	0 22	11 16	0 49	5 50	16 37	19 56	20 9	10 56	0 31	4 37	T 11
W12	3 35	2 48	4 54	1 50	0 13	2 42	7 57	0 25	0 42	17 17	1 11	18 54	2 3	14 44	0 22	11 17	0 49	5 49	16 37	19 53	20 8	10 54	0 29	4 37	W12
T 13	3 11	1n34	4 34	2 45	0 26	2 58	7 48	0 6	0 41	17 17	1 11	18 54	2 3	14 44	0 22	11 17	0 49	5 49	16 37	19 50	20 8	10 52	0 27	4 36	T 13
F 14	2 48	5 54	4 0	3 39	0 38	3 14	7 39	0n13	0 40	17 16	1 11	18 54	2 3	14 45	0 22	11 18	0 49	5 48	16 36	19 47	20 7	10 50	0 25	4 36	F 14
S 15	2 24	10 3	3 16	4 31	0 51	3 30	7 29	0 32	0 40	17 16	1 11	18 54	2 3	14 46	0 22	11 18	0 49	5 47	16 36	19 45	20 6	10 47	0 22	4 36	S 15
S 16	2 0	13 50	2 21	5 23	1 3	3 45	7 18	0 51	0 39	17 15	1 11	18 53	2 3	14 47	0 22	11 19	0 49	5 47	16 36	19 44	20 6	10 45	0 20	4 35	S 16
M17	1 37	17 2	1 18	6 12	1 16	3 59	7 7	1 10	0 39	17 15	1 12	18 53	2 4	14 48	0 22	11 19	0 49	5 46	16 36	19 43	20 5	10 43	0 18	4 35	M17
T 18	1 13	19 27	0 10	6 59	1 28	4 13	6 56	1 29	0 38	17 14	1 12	18 53	2 4	14 49	0 22	11 20	0 49	5 46	16 36	19 43	20 4	10 41	0 16	4 34	T 18
W19	0 49	20 52	1s 0	7 45	1 41	4 27	6 45	1 47	0 38	17 14	1 12	18 53	2 4	14 50	0 22	11 21	0 49	5 45	16 35	19 43	20 4	10 39	0 13	4 34	W19
T 20	0 26	21 9	2 8	8 27	1 53	4 39	6 33	2 6	0 37	17 13	1 12	18 52	2 4	14 50	0 22	11 21	0 49	5 44	16 35	19 43	20 3	10 37	0 11	4 34	T 20
F 21	0 2	20 10	3 10	9 7	2 4	4 51	6 22	2 25	0 36	17 12	1 12	18 52	2 4	14 51	0 22	11 22	0 49	5 44	16 35	19 43	20 2	10 34	0 9	4 33	F 21
S 22	0n22	17 57	4 3	9 44	2 15	5 3	6 10	2 43	0 36	17 12	1 12	18 52	2 4	14 52	0 21	11 22	0 49	5 43	16 35	19 43	20 2	10 32	0 7	4 33	S 22
S 23	0 45	14 33	4 42	10 18	2 26	5 13	5 58	3 2	0 35	17 11	1 12	18 52	2 4	14 53	0 21	11 23	0 49	5 43	16 35	19 42	20 1	10 30	0 5	4 32	S 23
M24	1 9	10 13	5 3	10 49	2 35	5 23	5 46	3 21	0 35	17 10	1 12	18 51	2 5	14 54	0 21	11 23	0 49	5 42	16 35	19 41	20 0	10 28	0 2	4 32	M24
T 25	1 32	5 13	5 3	11 16	2 44	5 32	5 34	3 39	0 34	17 9	1 13	18 51	2 5	14 55	0 21	11 24	0 49	5 41	16 35	19 39	19 59	10 26	0 0	4 32	T 25
W26	1 56	0s 7	4 44	11 40	2 52	5 40	5 22	3 57	0 33	17 8	1 13	18 51	2 5	14 56	0 21	11 24	0 49	5 41	16 34	19 37	19 59	10 23	0n 2	4 31	W26
T 27	2 19	5 25	4 5	12 0	2 59	5 48	5 9	4 16	0 33	17 8	1 13	18 50	2 5	14 57	0 21	11 25	0 49	5 40	16 34	19 35	19 58	10 21	0 4	4 31	T 27
F 28	2 43	10 20	3 10	12 17	3 5	5 54	4 57	4 34	0 32	17 7	1 13	18 50	2 5	14 58	0 21	11 25	0 49	5 40	16 34	19 34	19 57	10 19	0 6	4 30	F 28
S 29	3 6	14 32	2 5	12 29	3 10	6 0	4 46	4 53	0 32	17 6	1 13	18 49	2 5	14 59	0 21	11 26	0 49	5 39	16 34	19 33	19 57	10 17	0 9	4 30	S 29
S 30	3 30	17 48	0 54	12 38	3 13	6 5	4 34	5 11	0 31	17 4	1 13	18 49	2 5	15 0	0 21	11 26	0 49	5 39	16 34	19 32	19 56	10 15	0 11	4 29	S 30
M31	3n53	19s58	0n18	12n43	3n15	6s 9	4n22	5n29	0s30	17s 3	1n13	18s48	2n 5	15n 1	0s21	11n26	0n49	5s38	16s34	19s32	19s55	10s12	0n13	4s29	M31

Julian Day Number = 2306602.5, Delta T = 84.72 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'07, Lahiri = 18°19'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

APRIL 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 35 20	10♈45'34	13♐18	25°R 1	3♓54	15♈50	21°R39	3°R16	11♉40	2°R16	25♈19	27♏ 2	28♏41	19♒30	19°R 0	T 1
W 2	12 39 16	11°44'33	25°54	24♈55	4°17	16°35	21♏35	3♐15	11°43	2♍15	25°21	27° 3	28°38	19°37	18♍56	W 2
T 3	12 43 13	12°43'29	8♑11	24°43	4°41	17°20	21°31	3°13	11°46	2°14	25°22	27°R 4	28°35	19°44	18°52	T 3
F 4	12 47 10	13°42'24	20°14	24°26	5° 8	18° 6	21°26	3°11	11°49	2°13	25°23	27° 4	28°32	19°51	18°48	F 4
S 5	12 51 6	14°41'17	2♒10	24° 2	5°35	18°51	21°21	3° 9	11°52	2°11	25°25	27° 2	28°29	19°57	18°44	S 5
S 6	12 55 3	15°40'09	14° 1	23°34	6° 5	19°36	21°16	3° 6	11°55	2°10	25°26	26°59	28°26	20° 4	18°40	S 6
M 7	12 58 59	16°38'58	25°53	23° 1	6°35	20°21	21°11	3° 4	11°59	2° 9	25°27	26°54	28°22	20°11	18°36	M 7
T 8	13 2 56	17°37'46	7♓49	22°24	7° 8	21° 6	21° 6	3° 2	12° 2	2° 8	25°29	26°47	28°19	20°18	18°32	T 8
W 9	13 6 52	18°36'32	19°53	21°45	7°41	21°51	21° 1	2°59	12° 5	2° 7	25°30	26°40	28°16	20°24	18°28	W 9
T 10	13 10 49	19°35'16	2♈ 6	21° 3	8°16	22°36	20°55	2°57	12° 8	2° 6	25°32	26°33	28°13	20°31	18°24	T 10
F 11	13 14 45	20°33'58	14°29	20°20	8°53	23°21	20°50	2°54	12°12	2° 5	25°33	26°27	28°10	20°38	18°21	F 11
S 12	13 18 42	21°32'38	27° 4	19°36	9°30	24° 6	20°44	2°51	12°15	2° 4	25°34	26°22	28° 6	20°44	18°17	S 12
S 13	13 22 38	22°31'16	9♉51	18°53	10° 9	24°51	20°38	2°48	12°18	2° 3	25°36	26°20	28° 3	20°51	18°14	S 13
M14	13 26 35	23°29'53	22°51	18°11	10°48	25°35	20°32	2°46	12°22	2° 2	25°37	26°D18	28° 0	20°58	18°11	M14
T 15	13 30 32	24°28'27	6♊ 2	17°30	11°29	26°20	20°26	2°43	12°25	2° 1	25°39	26°19	27°57	21° 5	18° 7	T 15
W16	13 34 28	25°26'59	19°27	16°52	12°11	27° 5	20°20	2°40	12°28	2° 0	25°40	26°20	27°54	21°11	18° 4	W16
T 17	13 38 25	26°25'29	3♋ 4	16°17	12°54	27°49	20°14	2°37	12°32	2° 0	25°41	26°21	27°51	21°18	18° 1	T 17
F 18	13 42 21	27°23'57	16°54	15°46	13°38	28°34	20° 7	2°33	12°35	1°59	25°43	26°23	27°47	21°25	17°58	F 18
S 19	13 46 18	28°22'22	0♌57	15°18	14°22	29°19	20° 1	2°30	12°38	1°58	25°44	26°R23	27°44	21°31	17°55	S 19
S 20	13 50 14	29°20'46	15°11	14°55	15° 8	0♉ 3	19°54	2°27	12°42	1°57	25°45	26°22	27°41	21°38	17°52	S 20
M21	13 54 11	0♉19'07	29°35	14°36	15°54	0°47	19°47	2°24	12°45	1°57	25°47	26°20	27°38	21°45	17°50	M21
T 22	13 58 7	1°17'26	14♍ 5	14°22	16°42	1°32	19°41	2°20	12°49	1°56	25°48	26°17	27°35	21°52	17°47	T 22
W23	14 2 4	2°15'43	28°35	14°13	17°30	2°16	19°34	2°17	12°52	1°55	25°50	26°14	27°32	21°58	17°44	W23
T 24	14 6 1	3°13'58	13♎ 0	14°D 8	18°19	3° 0	19°27	2°13	12°56	1°55	25°51	26°11	27°28	22° 5	17°42	T 24
F 25	14 9 57	4°12'11	27°15	14° 9	19° 8	3°44	19°20	2° 9	12°59	1°54	25°52	26° 8	27°25	22°12	17°40	F 25
S 26	14 13 54	5°10'22	11♏14	14°14	19°58	4°29	19°12	2° 6	13° 2	1°53	25°54	26° 6	27°22	22°19	17°37	S 26
S 27	14 17 50	6° 8'32	24°53	14°25	20°49	5°13	19° 5	2° 2	13° 6	1°53	25°55	26°D 6	27°19	22°25	17°35	S 27
M28	14 21 47	7° 6'40	8♐12	14°40	21°41	5°57	18°58	1°58	13° 9	1°52	25°56	26° 6	27°16	22°32	17°33	M28
T 29	14 25 43	8° 4'46	21° 8	14°59	22°33	6°41	18°51	1°54	13°13	1°52	25°58	26° 7	27°12	22°39	17°31	T 29
W30	14 29 40	9♉ 2'51	3♑45	15♈23	23♓26	7♉25	18♏43	1♐51	13♉16	1♍51	25♈59	26♏ 9	27♏ 9	22♒45	17♍30	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n16	21s 0	1n27	12n44	3n16	6s13	4n10	5n47	0s30	17s 2	1n13	18s48	2n 6	15n 2	0s21	11n27	0n49	5s38	16s34	19s32	19s55	10s10	0n15	4s28
W 2	4 39	20 56	2 30	12 42	3 15	6 15	3 59	6 5	0 29	17 1	1 13	18 48	2 6	15 3	0 21	11 27	0 49	5 37	16 34	19 32	19 54	10 8	0 17	4 28
T 3	5 2	19 51	3 24	12 35	3 13	6 17	3 47	6 23	0 29	17 0	1 13	18 47	2 6	15 4	0 21	11 28	0 49	5 36	16 33	19 33	19 53	10 6	0 19	4 27
F 4	5 25	17 52	4 8	12 25	3 9	6 18	3 36	6 41	0 28	16 59	1 13	18 47	2 6	15 5	0 21	11 28	0 49	5 36	16 33	19 33	19 52	10 4	0 21	4 27
S 5	5 48	15 9	4 41	12 11	3 3	6 18	3 25	6 59	0 27	16 57	1 14	18 46	2 6	15 5	0 21	11 29	0 49	5 35	16 33	19 32	19 52	10 1	0 23	4 26
S 6	6 11	11 50	5 2	11 54	2 56	6 18	3 14	7 16	0 27	16 56	1 14	18 45	2 6	15 6	0 21	11 29	0 49	5 35	16 33	19 31	19 51	9 59	0 25	4 25
M 7	6 33	8 4	5 9	11 34	2 48	6 16	3 3	7 34	0 26	16 55	1 14	18 45	2 6	15 7	0 21	11 29	0 49	5 34	16 33	19 30	19 50	9 57	0 27	4 25
T 8	6 56	3 57	5 4	11 11	2 38	6 14	2 53	7 51	0 26	16 53	1 14	18 44	2 6	15 8	0 21	11 30	0 49	5 34	16 33	19 29	19 50	9 55	0 30	4 24
W 9	7 18	0n21	4 45	10 45	2 27	6 11	2 42	8 9	0 25	16 52	1 14	18 44	2 7	15 10	0 21	11 30	0 49	5 33	16 33	19 27	19 49	9 53	0 32	4 24
T 10	7 41	4 42	4 12	10 18	2 14	6 8	2 32	8 26	0 24	16 50	1 14	18 43	2 7	15 11	0 21	11 30	0 49	5 33	16 33	19 26	19 48	9 50	0 33	4 23
F 11	8 3	8 55	3 28	9 49	2 0	6 4	2 22	8 43	0 24	16 49	1 14	18 43	2 7	15 12	0 21	11 31	0 49	5 32	16 33	19 24	19 48	9 48	0 35	4 22
S 12	8 25	12 49	2 33	9 19	1 45	5 59	2 12	9 1	0 23	16 47	1 14	18 42	2 7	15 13	0 21	11 31	0 49	5 32	16 33	19 23	19 47	9 46	0 37	4 22
S 13	8 47	16 12	1 29	8 48	1 30	5 53	2 3	9 18	0 22	16 46	1 14	18 41	2 7	15 14	0 21	11 31	0 49	5 31	16 33	19 22	19 46	9 44	0 39	4 21
M14	9 9	18 50	0 19	8 17	1 14	5 47	1 53	9 35	0 22	16 44	1 14	18 41	2 7	15 15	0 21	11 32	0 49	5 31	16 33	19 22	19 45	9 42	0 41	4 21
T 15	9 30	20 29	0s53	7 46	0 57	5 40	1 44	9 51	0 21	16 42	1 14	18 40	2 7	15 16	0 21	11 32	0 49	5 30	16 33	19 22	19 45	9 39	0 43	4 20
W16	9 52	21 1	2 3	7 16	0 41	5 33	1 35	10 8	0 21	16 41	1 14	18 39	2 7	15 17	0 21	11 32	0 49	5 30	16 33	19 22	19 44	9 37	0 45	4 19
T 17	10 13	20 20	3 8	6 47	0 24	5 25	1 26	10 25	0 20	16 39	1 14	18 39	2 7	15 18	0 21	11 33	0 49	5 29	16 33	19 23	19 43	9 35	0 47	4 19
F 18	10 34	18 25	4 2	6 19	0 7	5 16	1 17	10 41	0 19	16 37	1 14	18 38	2 7	15 19	0 21	11 33	0 49	5 29	16 33	19 23	19 43	9 33	0 48	4 18
S 19	10 55	15 23	4 43	5 53	0s10	5 7	1 8	10 58	0 19	16 35	1 14	18 37	2 7	15 20	0 21	11 33	0 49	5 28	16 33	19 23	19 42	9 31	0 50	4 17
S 20	11 16	11 25	5 8	5 29	0 26	4 57	1 0	11 14	0 18	16 34	1 14	18 37	2 8	15 21	0 21	11 33	0 49	5 28	16 33	19 23	19 41	9 28	0 52	4 17
M21	11 36	6 45	5 13	5 8	0 42	4 46	0 52	11 30	0 17	16 32	1 14	18 36	2 8	15 22	0 21	11 34	0 49	5 27	16 33	19 22	19 40	9 26	0 54	4 16
T 22	11 57	1 41	4 59	4 48	0 57	4 35	0 44	11 46	0 17	16 30	1 14	18 35	2 8	15 23	0 21	11 34	0 49	5 27	16 33	19 22	19 40	9 24	0 55	4 15
W23	12 17	3s29	4 25	4 31	1 11	4 24	0 36	12 2	0 16	16 28	1 14	18 34	2 8	15 24	0 21	11 34	0 49	5 26	16 33	19 21	19 39	9 22	0 57	4 15
T 24	12 37	8 27	3 35	4 17	1 25	4 12	0 28	12 18	0 16	16 26	1 14	18 34	2 8	15 25	0 21	11 34	0 49	5 26	16 33	19 20	19 38	9 20	0 58	4 14
F 25	12 57	12 53	2 32	4 5	1 38	3 59	0 21	12 33	0 15	16 24	1 14	18 33	2 8	15 26	0 21	11 35	0 49	5 25	16 33	19 20	19 37	9 17	1 0	4 13
S 26	13 16	16 31	1 21	3 56	1 50	3 46	0 14	12 49	0 14	16 22	1 14	18 32	2 8	15 27	0 21	11 35	0 49	5 25	16 33	19 19	19 37	9 15	1 1	4 13
S 27	13 36	19 8	0 7	3 49	2 2	3 33	0 6	13 4	0 14	16 20	1 14	18 31	2 8	15 28	0 21	11 35	0 49	5 24	16 33	19 19	19 36	9 13	1 3	4 12
M28	13 55	20 38	1n 6	3 45	2 12	3 19	0s 0	13 20	0 13	16 18	1 14	18 30	2 8	15 29	0 21	11 35	0 49	5 24	16 33	19 19	19 35	9 11	1 4	4 11
T 29	14 14	20 58	2 14	3 44	2 22	3 4	0 7	13 35	0 12	16 16	1 14	18 30	2 8	15 30	0 21	11 35	0 49	5 24	16 33	19 19	19 35	9 9	1 6	4 10
W30	14n33	20s13	3n13	3n45	2s31	2s49	0s14	13n50	0s12	16s14	1n14	18s29	2n 8	15n31	0s21	11n35	0n49	5s23	16s33	19s20	19s34	9s 6	1n 7	4s10

Julian Day Number = 2306633.5, Delta T = 84.61 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'11, Lahiri = 18°19'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

MAY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 33 36	10♉ 0'55	16♋ 5	15♈51	24♓19	8♉ 8	18°R36	1°R47	13♉20	1°R51	26♈ 1	26♏10	27♏ 6	22♒52	17°R28	T 1
F 2	14 37 33	10°58'57	28°12	16°23	25°13	8°52	18♏28	1♐43	13°23	1♍51	26° 2	26°11	27° 3	22°59	17♍26	F 2
S 3	14 41 30	11°56'58	10♒10	17° 0	26° 8	9°36	18°21	1°39	13°27	1°50	26° 3	26°R11	27° 0	23° 6	17°25	S 3
S 4	14 45 26	12°54'57	22° 3	17°40	27° 3	10°20	18°13	1°35	13°30	1°50	26° 5	26°11	26°57	23°12	17°23	S 4
M 5	14 49 23	13°52'55	3♓57	18°24	27°58	11° 4	18° 6	1°31	13°34	1°50	26° 6	26°10	26°53	23°19	17°22	M 5
T 6	14 53 19	14°50'52	15°56	19°11	28°54	11°47	17°58	1°26	13°37	1°49	26° 7	26° 9	26°50	23°26	17°21	T 6
W 7	14 57 16	15°48'47	28° 3	20° 2	29°51	12°31	17°50	1°22	13°41	1°49	26° 9	26° 8	26°47	23°33	17°20	W 7
T 8	15 1 12	16°46'41	10♈22	20°56	0♈48	13°14	17°43	1°18	13°44	1°49	26°10	26° 6	26°44	23°39	17°19	T 8
F 9	15 5 9	17°44'33	22°55	21°54	1°45	13°58	17°35	1°14	13°48	1°49	26°11	26° 5	26°41	23°46	17°18	F 9
S 10	15 9 5	18°42'25	5♉45	22°54	2°43	14°41	17°27	1°10	13°51	1°49	26°12	26° 5	26°38	23°53	17°18	S 10
S 11	15 13 2	19°40'14	18°51	23°58	3°41	15°25	17°20	1° 5	13°55	1°49	26°14	26° 4	26°34	23°59	17°17	S 11
M12	15 16 59	20°38'03	2♊13	25° 4	4°40	16° 8	17°12	1° 1	13°58	1°49	26°15	26°D 4	26°31	24° 6	17°16	M12
T 13	15 20 55	21°35'50	15°49	26°13	5°39	16°51	17° 4	0°57	14° 1	1°D49	26°16	26° 4	26°28	24°13	17°16	T 13
W14	15 24 52	22°33'36	29°39	27°25	6°38	17°34	16°57	0°52	14° 5	1°49	26°18	26° 5	26°25	24°20	17°16	W14
T 15	15 28 48	23°31'20	13♋39	28°40	7°38	18°17	16°49	0°48	14° 8	1°49	26°19	26° 5	26°22	24°26	17°16	T 15
F 16	15 32 45	24°29'02	27°46	29°57	8°38	19° 1	16°42	0°43	14°12	1°49	26°20	26° 5	26°18	24°33	17°D16	F 16
S 17	15 36 41	25°26'43	11♌58	1♉17	9°38	19°44	16°34	0°39	14°15	1°49	26°21	26° 5	26°15	24°40	17°16	S 17
S 18	15 40 38	26°24'22	26°12	2°39	10°38	20°27	16°27	0°35	14°19	1°49	26°23	26° 5	26°12	24°46	17°16	S 18
M19	15 44 34	27°22'00	10♍26	4° 4	11°39	21°10	16°19	0°30	14°22	1°49	26°24	26° 5	26° 9	24°53	17°16	M19
T 20	15 48 31	28°19'35	24°37	5°31	12°40	21°52	16°12	0°26	14°26	1°49	26°25	26° 5	26° 6	25° 0	17°17	T 20
W21	15 52 28	29°17'10	8♎42	7° 1	13°42	22°35	16° 5	0°21	14°29	1°50	26°26	26° 6	26° 3	25° 7	17°17	W21
T 22	15 56 24	0♊14'43	22°39	8°34	14°44	23°18	15°57	0°17	14°32	1°50	26°27	26° 6	25°59	25°13	17°18	T 22
F 23	16 0 21	1°12'15	6♏26	10° 8	15°46	24° 1	15°50	0°12	14°36	1°50	26°29	26° 6	25°56	25°20	17°19	F 23
S 24	16 4 17	2° 9'45	20° 0	11°45	16°48	24°43	15°43	0° 8	14°39	1°50	26°30	26°R 7	25°53	25°27	17°20	S 24
S 25	16 8 14	3° 7'15	3♐19	13°25	17°51	25°26	15°36	0° 4	14°42	1°51	26°31	26° 7	25°50	25°34	17°21	S 25
M26	16 12 10	4° 4'43	16°22	15° 7	18°53	26° 9	15°29	29♏59	14°46	1°51	26°32	26° 6	25°47	25°40	17°22	M26
T 27	16 16 7	5° 2'10	29°10	16°51	19°56	26°51	15°22	29°55	14°49	1°52	26°33	26° 5	25°44	25°47	17°23	T 27
W28	16 20 3	5°59'37	11♑42	18°37	21° 0	27°34	15°16	29°50	14°52	1°52	26°34	26° 4	25°40	25°54	17°24	W28
T 29	16 24 0	6°57'03	24° 0	20°26	22° 3	28°16	15° 9	29°46	14°56	1°53	26°35	26° 3	25°37	26° 0	17°26	T 29
F 30	16 27 57	7°54'27	6♒ 6	22°18	23° 7	28°58	15° 2	29°41	14°59	1°53	26°37	26° 1	25°34	26° 7	17°27	F 30
S 31	16 31 53	8♊51'51	18♒ 4	24♉11	24♈11	29♉41	14♏56	29♏37	15♉ 2	1♍54	26♈38	26♏ 0	25♏31	26♒14	17♍29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n51	18s31	4n 2	3n49	2s39	2s34	0s20	14n 5	0s11	16s12	1n14	18s28	2n 8	15n32	0s21	11n36	0n48	5s23	16s33	19s20	19s33	9s 4	1n 8	4s 9
F 2	15 9	16 0	4 39	3 54	2 46	2 18	0 26	14 19	0 10	16 10	1 14	18 27	2 8	15 33	0 21	11 36	0 48	5 22	16 33	19 20	19 32	9 2	1 10	4 8
S 3	15 27	12 51	5 4	4 2	2 52	2 2	0 32	14 34	0 10	16 8	1 14	18 26	2 8	15 35	0 21	11 36	0 48	5 22	16 33	19 20	19 32	9 0	1 11	4 8
S 4	15 45	9 13	5 15	4 13	2 58	1 45	0 38	14 48	0 9	16 6	1 14	18 26	2 8	15 36	0 21	11 36	0 48	5 22	16 33	19 20	19 31	8 57	1 12	4 7
M 5	16 2	5 13	5 13	4 25	3 2	1 29	0 44	15 3	0 8	16 4	1 14	18 25	2 8	15 37	0 21	11 36	0 48	5 21	16 33	19 20	19 30	8 55	1 13	4 6
T 6	16 20	0 59	4 58	4 39	3 6	1 11	0 49	15 17	0 8	16 2	1 14	18 24	2 8	15 38	0 21	11 36	0 48	5 21	16 34	19 20	19 29	8 53	1 14	4 5
W 7	16 36	3n20	4 29	4 56	3 9	0 54	0 55	15 31	0 7	16 0	1 14	18 23	2 8	15 39	0 21	11 36	0 48	5 20	16 34	19 20	19 29	8 51	1 15	4 5
T 8	16 53	7 35	3 47	5 14	3 11	0 36	1 0	15 44	0 7	15 58	1 14	18 22	2 8	15 40	0 21	11 36	0 48	5 20	16 34	19 19	19 28	8 49	1 17	4 4
F 9	17 9	11 37	2 53	5 34	3 13	0 17	1 5	15 58	0 6	15 56	1 14	18 21	2 8	15 41	0 21	11 36	0 48	5 20	16 34	19 19	19 27	8 46	1 18	4 3
S 10	17 26	15 12	1 50	5 55	3 14	0n 1	1 10	16 12	0 5	15 54	1 14	18 20	2 8	15 42	0 21	11 36	0 48	5 19	16 34	19 19	19 27	8 44	1 18	4 2
S 11	17 41	18 6	0 40	6 19	3 14	0 20	1 14	16 25	0 5	15 52	1 13	18 20	2 8	15 43	0 21	11 36	0 48	5 19	16 34	19 19	19 26	8 42	1 19	4 2
M12	17 57	20 6	0s34	6 43	3 13	0 39	1 19	16 38	0 4	15 50	1 13	18 19	2 8	15 44	0 21	11 36	0 48	5 19	16 34	19 19	19 25	8 40	1 20	4 1
T 13	18 12	20 57	1 47	7 9	3 12	0 58	1 23	16 51	0 3	15 48	1 13	18 18	2 8	15 45	0 21	11 36	0 48	5 18	16 34	19 19	19 24	8 37	1 21	4 0
W14	18 27	20 34	2 56	7 37	3 10	1 18	1 27	17 4	0 3	15 46	1 13	18 17	2 8	15 46	0 21	11 36	0 48	5 18	16 34	19 19	19 24	8 35	1 22	4 0
T 15	18 42	18 54	3 54	8 6	3 8	1 38	1 31	17 17	0 2	15 44	1 13	18 16	2 8	15 47	0 21	11 36	0 48	5 18	16 35	19 19	19 23	8 33	1 23	3 59
F 16	18 56	16 5	4 39	8 36	3 5	1 58	1 35	17 29	0 1	15 42	1 13	18 15	2 8	15 48	0 21	11 36	0 48	5 18	16 35	19 19	19 22	8 31	1 23	3 58
S 17	19 10	12 19	5 7	9 7	3 1	2 18	1 39	17 42	0 1	15 40	1 13	18 14	2 8	15 49	0 21	11 36	0 48	5 17	16 35	19 19	19 21	8 29	1 24	3 57
S 18	19 23	7 50	5 17	9 39	2 56	2 39	1 43	17 54	0 0	15 38	1 13	18 14	2 8	15 50	0 21	11 36	0 48	5 17	16 35	19 19	19 21	8 26	1 25	3 57
M19	19 37	2 56	5 7	10 13	2 52	3 0	1 46	18 6	0n 0	15 36	1 13	18 13	2 8	15 51	0 21	11 36	0 48	5 17	16 35	19 19	19 20	8 24	1 25	3 56
T 20	19 50	2s 7	4 39	10 47	2 46	3 20	1 49	18 17	0 1	15 34	1 12	18 12	2 8	15 52	0 21	11 36	0 48	5 16	16 35	19 19	19 19	8 22	1 26	3 55
W21	20 2	7 2	3 54	11 22	2 40	3 41	1 52	18 29	0 2	15 32	1 12	18 11	2 8	15 53	0 21	11 36	0 48	5 16	16 36	19 19	19 18	8 20	1 26	3 54
T 22	20 15	11 32	2 55	11 58	2 33	4 3	1 55	18 41	0 2	15 30	1 12	18 10	2 8	15 54	0 21	11 36	0 48	5 16	16 36	19 19	19 18	8 17	1 27	3 54
F 23	20 27	15 22	1 47	12 34	2 26	4 24	1 58	18 52	0 3	15 28	1 12	18 9	2 8	15 55	0 21	11 36	0 48	5 16	16 36	19 19	19 17	8 15	1 27	3 53
S 24	20 38	18 19	0 34	13 12	2 19	4 45	2 1	19 3	0 4	15 26	1 12	18 8	2 8	15 56	0 21	11 35	0 48	5 15	16 36	19 19	19 16	8 13	1 27	3 52
S 25	20 49	20 13	0n40	13 49	2 11	5 7	2 3	19 14	0 4	15 24	1 12	18 7	2 8	15 57	0 21	11 35	0 48	5 15	16 36	19 19	19 15	8 11	1 28	3 51
M26	21 0	20 58	1 50	14 27	2 2	5 28	2 6	19 25	0 5	15 22	1 11	18 7	2 8	15 58	0 21	11 35	0 48	5 15	16 36	19 19	19 15	8 8	1 28	3 51
T 27	21 11	20 36	2 53	15 6	1 53	5 50	2 8	19 35	0 6	15 21	1 11	18 6	2 8	15 59	0 21	11 35	0 48	5 15	16 37	19 19	19 14	8 6	1 28	3 50
W28	21 21	19 13	3 46	15 44	1 44	6 12	2 10	19 45	0 6	15 19	1 11	18 5	2 8	16 0	0 21	11 35	0 48	5 15	16 37	19 19	19 13	8 4	1 28	3 49
T 29	21 31	16 57	4 28	16 23	1 34	6 34	2 12	19 56	0 7	15 17	1 11	18 4	2 7	16 1	0 21	11 35	0 48	5 14	16 37	19 18	19 12	8 2	1 28	3 48
F 30	21 40	13 59	4 57	17 1	1 24	6 56	2 14	20 6	0 7	15 15	1 11	18 3	2 7	16 2	0 21	11 34	0 48	5 14	16 37	19 18	19 12	8 0	1 28	3 48
S 31	21n49	10s29	5n13	17n40	1s14	7n18	2s16	20n15	0n 8	15s13	1n11	18s 2	2n 7	16n 3	0s21	11n34	0n48	5s14	16s37	19s18	19s11	7s57	1n28	3s47

Julian Day Number = 2306663.5, Delta T = 84.51 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'15, Lahiri = 18°19'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

JUNE 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 35 50	9♊49'15	29♒58	26♉ 7	25♈15	0♊23	14°R49	29°R33	15♉ 5	1♍54	26♈39	25°R59	25♏28	26♒21	17♍31	S 1
M 2	16 39 46	10°46'38	11♓52	28° 6	26°19	1° 5	14♏43	29♏28	15° 9	1°55	26°40	25°D59	25°24	26°27	17°33	M 2
T 3	16 43 43	11°44'00	23°51	0♊ 6	27°24	1°47	14°37	29°24	15°12	1°55	26°41	25♏59	25°21	26°34	17°35	T 3
W 4	16 47 39	12°41'21	5♈59	2° 8	28°29	2°30	14°31	29°20	15°15	1°56	26°42	26° 0	25°18	26°41	17°37	W 4
T 5	16 51 36	13°38'43	18°20	4°12	29°34	3°12	14°25	29°16	15°18	1°57	26°43	26° 2	25°15	26°48	17°39	T 5
F 6	16 55 32	14°36'03	0♉58	6°18	0♉39	3°54	14°19	29°11	15°21	1°58	26°44	26° 3	25°12	26°54	17°42	F 6
S 7	16 59 29	15°33'23	13°57	8°25	1°44	4°36	14°14	29° 7	15°25	1°58	26°45	26° 4	25° 9	27° 1	17°44	S 7
S 8	17 3 26	16°30'43	27°17	10°34	2°49	5°17	14° 8	29° 3	15°28	1°59	26°46	26°R 4	25° 5	27° 8	17°47	S 8
M 9	17 7 22	17°28'02	10♊59	12°44	3°55	5°59	14° 3	28°59	15°31	2° 0	26°47	26° 4	25° 2	27°14	17°49	M 9
T 10	17 11 19	18°25'21	25° 0	14°55	5° 1	6°41	13°58	28°55	15°34	2° 1	26°48	26° 2	24°59	27°21	17°52	T 10
W11	17 15 15	19°22'38	9♋17	17° 6	6° 7	7°23	13°52	28°51	15°37	2° 2	26°49	26° 0	24°56	27°28	17°55	W11
T 12	17 19 12	20°19'56	23°44	19°18	7°13	8° 5	13°47	28°47	15°40	2° 3	26°49	25°56	24°53	27°35	17°58	T 12
F 13	17 23 8	21°17'12	8♌16	21°30	8°19	8°46	13°43	28°43	15°43	2° 4	26°50	25°53	24°49	27°41	18° 1	F 13
S 14	17 27 5	22°14'28	22°47	23°41	9°25	9°28	13°38	28°39	15°46	2° 5	26°51	25°50	24°46	27°48	18° 4	S 14
S 15	17 31 1	23°11'43	7♍12	25°53	10°32	10° 9	13°34	28°35	15°49	2° 6	26°52	25°48	24°43	27°55	18° 8	S 15
M16	17 34 58	24° 8'57	21°27	28° 3	11°39	10°51	13°29	28°31	15°52	2° 7	26°53	25°D47	24°40	28° 1	18°11	M16
T 17	17 38 55	25° 6'10	5♎29	0♋12	12°45	11°32	13°25	28°28	15°55	2° 8	26°54	25°48	24°37	28° 8	18°15	T 17
W18	17 42 51	26° 3'23	19°18	2°21	13°52	12°14	13°21	28°24	15°57	2° 9	26°55	25°49	24°34	28°15	18°18	W18
T 19	17 46 48	27° 0'35	2♏53	4°27	14°59	12°55	13°17	28°20	16° 0	2°10	26°55	25°50	24°30	28°22	18°22	T 19
F 20	17 50 44	27°57'47	16°16	6°33	16° 6	13°36	13°13	28°17	16° 3	2°11	26°56	25°52	24°27	28°28	18°26	F 20
S 21	17 54 41	28°54'58	29°25	8°37	17°14	14°18	13°10	28°13	16° 6	2°12	26°57	25°R52	24°24	28°35	18°30	S 21
S 22	17 58 37	29°52'09	12♐21	10°39	18°21	14°59	13° 6	28°10	16° 9	2°14	26°58	25°51	24°21	28°42	18°34	S 22
M23	18 2 34	0♋49'19	25° 6	12°39	19°29	15°40	13° 3	28° 6	16°11	2°15	26°58	25°48	24°18	28°49	18°38	M23
T 24	18 6 30	1°46'30	7♑39	14°37	20°36	16°21	13° 0	28° 3	16°14	2°16	26°59	25°43	24°15	28°55	18°42	T 24
W25	18 10 27	2°43'40	20° 0	16°33	21°44	17° 2	12°57	28° 0	16°17	2°17	27° 0	25°38	24°11	29° 2	18°47	W25
T 26	18 14 24	3°40'50	2♒12	18°28	22°52	17°43	12°55	27°57	16°19	2°19	27° 0	25°31	24° 8	29° 9	18°51	T 26
F 27	18 18 20	4°38'00	14°15	20°20	24° 0	18°24	12°52	27°54	16°22	2°20	27° 1	25°24	24° 5	29°15	18°56	F 27
S 28	18 22 17	5°35'10	26°11	22°10	25° 8	19° 5	12°50	27°50	16°24	2°21	27° 2	25°18	24° 2	29°22	19° 0	S 28
S 29	18 26 13	6°32'21	8♓ 4	23°58	26°16	19°46	12°48	27°47	16°27	2°23	27° 2	25°13	23°59	29°29	19° 5	S 29
M30	18 30 10	7♋29'31	19♓57	25♋44	27♉25	20♊27	12♏46	27♏45	16♉29	2♍24	27♈ 3	25♏ 9	23♏55	29♒36	19♍10	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n58	6s35	5n15	18n18	1s 3	7n39	2s17	20n25	0n 9	15s12	1n10	18s 1	2n 7	16n 4	0s21	11n34	0n48	5s14	16s38	19s18	19s10	7s55	1n28	3s46
M 2	22 6	2 26	5 4	18 55	0 53	8 1	2 19	20 34	0 9	15 10	1 10	18 1	2 7	16 5	0 21	11 34	0 48	5 14	16 38	19 17	19 9	7 53	1 28	3 45
T 3	22 14	1n50	4 40	19 32	0 42	8 23	2 20	20 44	0 10	15 9	1 10	18 0	2 7	16 6	0 21	11 33	0 48	5 14	16 38	19 18	19 8	7 51	1 28	3 45
W 4	22 22	6 5	4 2	20 8	0 31	8 45	2 21	20 53	0 11	15 7	1 10	17 59	2 7	16 7	0 21	11 33	0 48	5 13	16 38	19 18	19 8	7 48	1 28	3 44
T 5	22 29	10 11	3 13	20 42	0 20	9 7	2 22	21 1	0 11	15 5	1 10	17 58	2 7	16 8	0 21	11 33	0 48	5 13	16 39	19 18	19 7	7 46	1 28	3 43
F 6	22 36	13 56	2 14	21 15	0 9	9 29	2 23	21 10	0 12	15 4	1 9	17 57	2 7	16 9	0 21	11 33	0 48	5 13	16 39	19 18	19 6	7 44	1 28	3 42
S 7	22 42	17 7	1 6	21 47	0n 2	9 51	2 24	21 18	0 13	15 2	1 9	17 57	2 7	16 9	0 21	11 32	0 48	5 13	16 39	19 19	19 5	7 42	1 27	3 42
S 8	22 48	19 29	0s 7	22 17	0 13	10 12	2 25	21 27	0 13	15 1	1 9	17 56	2 6	16 10	0 21	11 32	0 48	5 13	16 39	19 19	19 5	7 39	1 27	3 41
M 9	22 54	20 48	1 21	22 45	0 23	10 34	2 25	21 35	0 14	15 0	1 9	17 55	2 6	16 11	0 21	11 32	0 48	5 13	16 40	19 19	19 4	7 37	1 27	3 40
T 10	22 59	20 51	2 32	23 11	0 33	10 56	2 26	21 42	0 14	14 58	1 9	17 54	2 6	16 12	0 21	11 31	0 48	5 13	16 40	19 18	19 3	7 35	1 26	3 39
W11	23 4	19 35	3 36	23 34	0 43	11 17	2 26	21 50	0 15	14 57	1 8	17 54	2 6	16 13	0 21	11 31	0 48	5 13	16 40	19 18	19 2	7 33	1 26	3 39
T 12	23 8	17 2	4 26	23 56	0 52	11 38	2 27	21 57	0 16	14 56	1 8	17 53	2 6	16 14	0 21	11 31	0 48	5 13	16 40	19 17	19 2	7 31	1 25	3 38
F 13	23 12	13 25	4 59	24 14	1 1	12 0	2 27	22 5	0 16	14 54	1 8	17 52	2 6	16 15	0 21	11 30	0 48	5 13	16 41	19 16	19 1	7 28	1 25	3 37
S 14	23 16	9 1	5 13	24 30	1 9	12 21	2 27	22 12	0 17	14 53	1 8	17 51	2 6	16 16	0 21	11 30	0 48	5 13	16 41	19 15	19 0	7 26	1 24	3 37
S 15	23 19	4 8	5 7	24 43	1 17	12 41	2 27	22 18	0 17	14 52	1 7	17 51	2 5	16 17	0 21	11 30	0 48	5 12	16 41	19 15	18 59	7 24	1 23	3 36
M16	23 22	0s56	4 43	24 53	1 24	13 2	2 26	22 25	0 18	14 51	1 7	17 50	2 5	16 17	0 21	11 29	0 48	5 12	16 41	19 15	18 59	7 22	1 23	3 35
T 17	23 24	5 53	4 1	25 0	1 30	13 23	2 26	22 31	0 19	14 50	1 7	17 49	2 5	16 18	0 21	11 29	0 48	5 12	16 42	19 15	18 58	7 19	1 22	3 35
W18	23 26	10 27	3 7	25 4	1 36	13 43	2 26	22 38	0 19	14 49	1 7	17 49	2 5	16 19	0 21	11 28	0 48	5 12	16 42	19 15	18 57	7 17	1 21	3 34
T 19	23 27	14 25	2 2	25 6	1 41	14 3	2 25	22 44	0 20	14 48	1 6	17 48	2 5	16 20	0 21	11 28	0 48	5 12	16 42	19 15	18 56	7 15	1 20	3 33
F 20	23 28	17 34	0 52	25 5	1 45	14 23	2 25	22 49	0 21	14 47	1 6	17 48	2 5	16 21	0 21	11 28	0 48	5 12	16 43	19 16	18 55	7 13	1 20	3 32
S 21	23 29	19 45	0n19	25 1	1 49	14 43	2 24	22 55	0 21	14 46	1 6	17 47	2 4	16 21	0 21	11 27	0 48	5 12	16 43	19 16	18 55	7 10	1 19	3 32
S 22	23 29	20 51	1 29	24 55	1 51	15 2	2 23	23 0	0 22	14 46	1 6	17 46	2 4	16 22	0 21	11 27	0 48	5 12	16 43	19 15	18 54	7 8	1 18	3 31
M23	23 29	20 51	2 33	24 46	1 53	15 21	2 22	23 5	0 22	14 45	1 5	17 46	2 4	16 23	0 21	11 26	0 48	5 12	16 43	19 15	18 53	7 6	1 17	3 30
T 24	23 29	19 49	3 28	24 35	1 55	15 40	2 21	23 10	0 23	14 44	1 5	17 45	2 4	16 24	0 21	11 26	0 48	5 13	16 44	19 14	18 52	7 4	1 16	3 30
W25	23 28	17 50	4 12	24 22	1 55	15 59	2 20	23 15	0 24	14 44	1 5	17 45	2 4	16 24	0 21	11 25	0 48	5 13	16 44	19 12	18 51	7 1	1 15	3 29
T 26	23 26	15 5	4 44	24 7	1 55	16 17	2 19	23 19	0 24	14 43	1 5	17 44	2 4	16 25	0 21	11 25	0 48	5 13	16 44	19 11	18 51	6 59	1 13	3 28
F 27	23 24	11 44	5 4	23 50	1 54	16 35	2 18	23 24	0 25	14 43	1 4	17 44	2 3	16 26	0 21	11 24	0 48	5 13	16 45	19 9	18 50	6 57	1 12	3 28
S 28	23 22	7 58	5 9	23 31	1 53	16 53	2 16	23 28	0 25	14 42	1 4	17 43	2 3	16 27	0 21	11 24	0 48	5 13	16 45	19 8	18 49	6 55	1 11	3 27
S 29	23 20	3 54	5 2	23 10	1 50	17 10	2 15	23 32	0 26	14 42	1 4	17 43	2 3	16 27	0 21	11 23	0 48	5 13	16 45	19 6	18 48	6 53	1 10	3 26
M30	23n17	0n19	4n41	22n48	1n48	17n27	2s13	23n35	0n27	14s41	1n 4	17s42	2n 3	16n28	0s21	11n23	0n48	5s13	16s46	19s 6	18s48	6s50	1n 9	3s26

Julian Day Number = 2306694.5, Delta T = 84.40 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'19, Lahiri = 18°19'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

JULY 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 34 6	8♋26'42	1♈54	27♋29	28♉33	21♊ 7	12°R44	27°R42	16♉32	2♍26	27♈ 3	25°R 8	23♏52	29♒42	19♍14	T 1
W 2	18 38 3	9°23'54	13°59	29°11	29°42	21°48	12♏42	27♏39	16°34	2°27	27° 4	25°D 8	23°49	29°49	19°19	W 2
T 3	18 41 59	10°21'05	26°19	0♌51	0♊50	22°29	12°41	27°36	16°37	2°29	27° 4	25♏ 9	23°46	29°56	19°25	T 3
F 4	18 45 56	11°18'17	8♉57	2°28	1°59	23° 9	12°40	27°34	16°39	2°30	27° 5	25°10	23°43	0♓ 3	19°30	F 4
S 5	18 49 53	12°15'30	21°57	4° 4	3° 8	23°50	12°39	27°31	16°41	2°32	27° 5	25°R11	23°40	0° 9	19°35	S 5
S 6	18 53 49	13°12'43	5♊23	5°38	4°17	24°31	12°38	27°29	16°43	2°33	27° 6	25°10	23°36	0°16	19°40	S 6
M 7	18 57 46	14° 9'56	19°16	7°10	5°26	25°11	12°37	27°26	16°46	2°35	27° 6	25° 8	23°33	0°23	19°46	M 7
T 8	19 1 42	15° 7'10	3♋34	8°39	6°35	25°52	12°36	27°24	16°48	2°37	27° 7	25° 4	23°30	0°29	19°51	T 8
W 9	19 5 39	16° 4'25	18°12	10° 7	7°44	26°32	12°36	27°22	16°50	2°38	27° 7	24°57	23°27	0°36	19°57	W 9
T 10	19 9 35	17° 1'39	3♌ 4	11°32	8°53	27°12	12°D36	27°20	16°52	2°40	27° 8	24°50	23°24	0°43	20° 2	T 10
F 11	19 13 32	17°58'54	18° 2	12°55	10° 3	27°53	12°36	27°18	16°54	2°41	27° 8	24°42	23°21	0°50	20° 8	F 11
S 12	19 17 29	18°56'09	2♍56	14°16	11°12	28°33	12°36	27°16	16°56	2°43	27° 8	24°35	23°17	0°56	20°14	S 12
S 13	19 21 25	19°53'24	17°38	15°35	12°22	29°13	12°36	27°14	16°58	2°45	27° 9	24°29	23°14	1° 3	20°20	S 13
M14	19 25 22	20°50'39	2♎ 3	16°51	13°31	29°53	12°37	27°12	17° 0	2°47	27° 9	24°26	23°11	1°10	20°26	M14
T 15	19 29 18	21°47'55	16° 7	18° 5	14°41	0♋33	12°38	27°11	17° 2	2°48	27° 9	24°D24	23° 8	1°16	20°32	T 15
W16	19 33 15	22°45'11	29°51	19°17	15°51	1°13	12°39	27° 9	17° 4	2°50	27°10	24°24	23° 5	1°23	20°38	W16
T 17	19 37 11	23°42'27	13♏14	20°26	17° 1	1°53	12°40	27° 7	17° 6	2°52	27°10	24°25	23° 1	1°30	20°44	T 17
F 18	19 41 8	24°39'43	26°20	21°33	18°11	2°33	12°41	27° 6	17° 8	2°54	27°10	24°R25	22°58	1°37	20°51	F 18
S 19	19 45 4	25°37'00	9♐11	22°37	19°21	3°13	12°43	27° 5	17° 9	2°56	27°10	24°24	22°55	1°43	20°57	S 19
S 20	19 49 1	26°34'18	21°49	23°38	20°31	3°53	12°44	27° 4	17°11	2°58	27°10	24°21	22°52	1°50	21° 3	S 20
M21	19 52 58	27°31'35	4♑17	24°36	21°41	4°33	12°46	27° 2	17°13	2°59	27°11	24°15	22°49	1°57	21°10	M21
T 22	19 56 54	28°28'54	16°35	25°31	22°52	5°13	12°48	27° 1	17°14	3° 1	27°11	24° 7	22°46	2° 4	21°16	T 22
W23	20 0 51	29°26'13	28°45	26°24	24° 2	5°52	12°50	27° 1	17°16	3° 3	27°11	23°56	22°42	2°10	21°23	W23
T 24	20 4 47	0♒23'33	10♒49	27°12	25°12	6°32	12°53	27° 0	17°17	3° 5	27°11	23°45	22°39	2°17	21°30	T 24
F 25	20 8 44	1°20'53	22°47	27°58	26°23	7°12	12°55	26°59	17°19	3° 7	27°11	23°32	22°36	2°24	21°37	F 25
S 26	20 12 40	2°18'15	4♓40	28°40	27°33	7°51	12°58	26°58	17°20	3° 9	27°11	23°21	22°33	2°30	21°43	S 26
S 27	20 16 37	3°15'38	16°31	29°18	28°44	8°31	13° 1	26°58	17°22	3°11	27°11	23°11	22°30	2°37	21°50	S 27
M28	20 20 33	4°13'01	28°23	29°53	29°55	9°10	13° 4	26°57	17°23	3°13	27°R11	23° 3	22°27	2°44	21°57	M28
T 29	20 24 30	5°10'26	10♈19	0♍23	1♋ 6	9°50	13° 7	26°57	17°24	3°15	27°11	22°58	22°23	2°51	22° 4	T 29
W30	20 28 27	6° 7'52	22°23	0°49	2°17	10°29	13°10	26°57	17°26	3°17	27°11	22°56	22°20	2°57	22°11	W30
T 31	20 32 23	7♌ 5'19	4♉40	1♍11	3♋28	11♋ 9	13♏14	26♏56	17♉27	3♍19	27♈11	22°D55	22♏17	3♓ 4	22♍19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n13	4n33	4n 8	22n25	1n44	17n44	2s12	23n39	0n27	14s41	1n 3	17s42	2n 3	16n29	0s21	11n22	0n48	5s13	16s46	19s 5	18s47	6s48	1n 7	3s25
W 2	23 9	8 40	3 24	22 0	1 40	18 0	2 10	23 42	0 28	14 41	1 3	17 41	2 2	16 30	0 21	11 22	0 48	5 13	16 46	19 5	18 46	6 46	1 6	3 24
T 3	23 5	12 30	2 30	21 34	1 36	18 16	2 8	23 45	0 28	14 41	1 3	17 41	2 2	16 30	0 21	11 21	0 48	5 13	16 46	19 5	18 45	6 44	1 5	3 24
F 4	23 0	15 53	1 27	21 7	1 31	18 32	2 7	23 48	0 29	14 40	1 3	17 41	2 2	16 31	0 21	11 21	0 48	5 13	16 47	19 6	18 44	6 41	1 3	3 23
S 5	22 55	18 34	0 17	20 39	1 25	18 47	2 5	23 50	0 30	14 40	1 2	17 40	2 2	16 31	0 21	11 20	0 48	5 14	16 47	19 6	18 44	6 39	1 2	3 23
S 6	22 50	20 21	0s55	20 11	1 19	19 2	2 3	23 53	0 30	14 40	1 2	17 40	2 2	16 32	0 21	11 19	0 48	5 14	16 47	19 6	18 43	6 37	1 0	3 22
M 7	22 44	20 58	2 6	19 41	1 12	19 16	2 1	23 55	0 31	14 40	1 2	17 39	2 1	16 33	0 21	11 19	0 47	5 14	16 48	19 5	18 42	6 35	0 59	3 21
T 8	22 38	20 15	3 11	19 11	1 5	19 30	1 59	23 57	0 31	14 41	1 2	17 39	2 1	16 33	0 21	11 18	0 47	5 14	16 48	19 4	18 41	6 32	0 57	3 21
W 9	22 31	18 11	4 6	18 40	0 58	19 44	1 57	23 59	0 32	14 41	1 1	17 39	2 1	16 34	0 21	11 18	0 47	5 14	16 48	19 3	18 40	6 30	0 55	3 20
T 10	22 24	14 54	4 44	18 9	0 50	19 57	1 54	24 0	0 33	14 41	1 1	17 39	2 1	16 35	0 21	11 17	0 47	5 14	16 49	19 1	18 40	6 28	0 54	3 19
F 11	22 17	10 38	5 4	17 38	0 41	20 9	1 52	24 2	0 33	14 41	1 1	17 38	2 1	16 35	0 21	11 16	0 47	5 14	16 49	18 59	18 39	6 26	0 52	3 19
S 12	22 9	5 45	5 3	17 6	0 33	20 21	1 50	24 3	0 34	14 41	1 1	17 38	2 0	16 36	0 21	11 16	0 47	5 15	16 49	18 57	18 38	6 23	0 50	3 18
S 13	22 1	0 35	4 41	16 34	0 23	20 33	1 47	24 4	0 34	14 42	1 0	17 38	2 0	16 36	0 21	11 15	0 47	5 15	16 50	18 56	18 37	6 21	0 49	3 18
M14	21 52	4s31	4 3	16 2	0 14	20 44	1 45	24 4	0 35	14 42	1 0	17 38	2 0	16 37	0 21	11 15	0 47	5 15	16 50	18 55	18 36	6 19	0 47	3 17
T 15	21 43	9 16	3 10	15 30	0 4	20 55	1 43	24 5	0 36	14 43	1 0	17 38	2 0	16 37	0 21	11 14	0 47	5 15	16 50	18 55	18 36	6 17	0 45	3 16
W16	21 34	13 26	2 8	14 58	0s 6	21 5	1 40	24 5	0 36	14 43	1 0	17 37	1 59	16 38	0 21	11 13	0 47	5 16	16 51	18 55	18 35	6 15	0 43	3 16
T 17	21 24	16 47	0 59	14 26	0 17	21 14	1 38	24 5	0 37	14 44	0 59	17 37	1 59	16 38	0 21	11 13	0 47	5 16	16 51	18 55	18 34	6 12	0 41	3 15
F 18	21 14	19 13	0n10	13 55	0 28	21 23	1 35	24 5	0 37	14 44	0 59	17 37	1 59	16 39	0 21	11 12	0 47	5 16	16 51	18 55	18 33	6 10	0 39	3 15
S 19	21 4	20 35	1 18	13 24	0 39	21 32	1 32	24 5	0 38	14 45	0 59	17 37	1 59	16 39	0 21	11 11	0 47	5 16	16 52	18 55	18 32	6 8	0 37	3 14
S 20	20 53	20 54	2 21	12 53	0 50	21 40	1 30	24 4	0 38	14 46	0 58	17 37	1 59	16 40	0 21	11 11	0 47	5 16	16 52	18 54	18 32	6 6	0 35	3 14
M21	20 42	20 10	3 16	12 23	1 2	21 47	1 27	24 4	0 39	14 47	0 58	17 37	1 58	16 40	0 21	11 10	0 47	5 17	16 52	18 52	18 31	6 3	0 33	3 13
T 22	20 30	18 29	4 0	11 53	1 14	21 54	1 24	24 3	0 40	14 48	0 58	17 37	1 58	16 41	0 21	11 9	0 47	5 17	16 53	18 50	18 30	6 1	0 31	3 12
W23	20 19	15 59	4 34	11 24	1 26	22 0	1 21	24 2	0 40	14 48	0 58	17 37	1 58	16 41	0 21	11 9	0 47	5 17	16 53	18 48	18 29	5 59	0 29	3 12
T 24	20 7	12 50	4 54	10 56	1 38	22 6	1 18	24 0	0 41	14 49	0 57	17 37	1 58	16 42	0 21	11 8	0 47	5 18	16 53	18 45	18 28	5 57	0 27	3 11
F 25	19 54	9 12	5 2	10 29	1 50	22 11	1 16	23 59	0 41	14 50	0 57	17 37	1 57	16 42	0 21	11 7	0 47	5 18	16 54	18 42	18 28	5 54	0 25	3 11
S 26	19 41	5 13	4 56	10 3	2 2	22 15	1 13	23 57	0 42	14 51	0 57	17 37	1 57	16 42	0 21	11 6	0 47	5 18	16 54	18 39	18 27	5 52	0 23	3 10
S 27	19 28	1 4	4 38	9 38	2 15	22 19	1 10	23 55	0 42	14 53	0 57	17 37	1 57	16 43	0 21	11 6	0 47	5 18	16 54	18 36	18 26	5 50	0 20	3 10
M28	19 15	3n 8	4 7	9 14	2 27	22 23	1 7	23 53	0 43	14 54	0 56	17 38	1 57	16 43	0 21	11 5	0 47	5 19	16 55	18 35	18 25	5 48	0 18	3 9
T 29	19 1	7 15	3 26	8 52	2 40	22 25	1 4	23 51	0 44	14 55	0 56	17 38	1 56	16 44	0 21	11 4	0 47	5 19	16 55	18 33	18 24	5 45	0 16	3 9
W30	18 47	11 7	2 34	8 31	2 52	22 27	1 1	23 48	0 44	14 56	0 56	17 38	1 56	16 44	0 21	11 4	0 47	5 19	16 55	18 33	18 24	5 43	0 13	3 8
T 31	18n32	14n36	1n35	8n12	3s 4	22n29	0s58	23n46	0n45	14s57	0n56	17s38	1n56	16n44	0s21	11n 3	0n47	5s20	16s56	18s32	18s23	5s41	0n11	3s 8

Julian Day Number = 2306724.5, Delta T = 84.30 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'23, Lahiri = 18°19'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

AUGUST 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 36 20	8♌ 2'48	17♉14	1♍28	4♋39	11♋48	13♏18	26°D56	17♉28	3♍21	27°R11	22°R55	22♏14	3♓11	22♍26	F 1
S 2	20 40 16	9° 0'18	0♊11	1°40	5°50	12°27	13°21	26♏56	17°29	3°23	27♈11	22♏55	22°11	3°17	22°33	S 2
S 3	20 44 13	9°57'49	13°35	1°47	7° 1	13° 7	13°25	26°56	17°30	3°25	27°11	22°54	22° 7	3°24	22°40	S 3
M 4	20 48 9	10°55'22	27°28	1°R49	8°12	13°46	13°30	26°57	17°31	3°27	27°11	22°50	22° 4	3°31	22°48	M 4
T 5	20 52 6	11°52'56	11♋50	1°46	9°24	14°25	13°34	26°57	17°32	3°29	27°10	22°44	22° 1	3°38	22°55	T 5
W 6	20 56 2	12°50'31	26°37	1°37	10°35	15° 4	13°39	26°57	17°33	3°31	27°10	22°35	21°58	3°44	23° 3	W 6
T 7	20 59 59	13°48'08	11♌43	1°23	11°47	15°43	13°43	26°58	17°34	3°34	27°10	22°25	21°55	3°51	23°10	T 7
F 8	21 3 56	14°45'45	26°58	1° 3	12°58	16°22	13°48	26°59	17°35	3°36	27°10	22°14	21°52	3°58	23°18	F 8
S 9	21 7 52	15°43'24	12♍10	0°38	14°10	17° 1	13°53	26°59	17°36	3°38	27°10	22° 4	21°48	4° 5	23°25	S 9
S 10	21 11 49	16°41'04	27°10	0° 8	15°21	17°40	13°58	27° 0	17°36	3°40	27° 9	21°56	21°45	4°11	23°33	S 10
M11	21 15 45	17°38'45	11♎49	29♌32	16°33	18°19	14° 4	27° 1	17°37	3°42	27° 9	21°50	21°42	4°18	23°41	M11
T 12	21 19 42	18°36'27	26° 3	28°53	17°45	18°58	14° 9	27° 2	17°38	3°44	27° 9	21°47	21°39	4°25	23°49	T 12
W13	21 23 38	19°34'11	9♏51	28° 8	18°57	19°37	14°15	27° 3	17°38	3°46	27° 8	21°46	21°36	4°31	23°57	W13
T 14	21 27 35	20°31'55	23°13	27°21	20° 9	20°15	14°21	27° 4	17°39	3°49	27° 8	21°46	21°33	4°38	24° 4	T 14
F 15	21 31 31	21°29'40	6♐14	26°31	21°21	20°54	14°27	27° 5	17°39	3°51	27° 8	21°45	21°29	4°45	24°12	F 15
S 16	21 35 28	22°27'27	18°55	25°39	22°33	21°33	14°33	27° 7	17°40	3°53	27° 7	21°44	21°26	4°52	24°20	S 16
S 17	21 39 25	23°25'15	1♑22	24°45	23°45	22°11	14°39	27° 8	17°40	3°55	27° 7	21°40	21°23	4°58	24°28	S 17
M18	21 43 21	24°23'04	13°38	23°53	24°57	22°50	14°45	27°10	17°40	3°57	27° 7	21°33	21°20	5° 5	24°36	M18
T 19	21 47 18	25°20'54	25°45	23° 1	26°10	23°28	14°52	27°12	17°41	4° 0	27° 6	21°23	21°17	5°12	24°45	T 19
W20	21 51 14	26°18'46	7♒46	22°11	27°22	24° 7	14°58	27°13	17°41	4° 2	27° 6	21°11	21°13	5°18	24°53	W20
T 21	21 55 11	27°16'39	19°43	21°25	28°34	24°45	15° 5	27°15	17°41	4° 4	27° 5	20°58	21°10	5°25	25° 1	T 21
F 22	21 59 7	28°14'33	1♓36	20°43	29°47	25°24	15°12	27°17	17°41	4° 6	27° 5	20°44	21° 7	5°32	25° 9	F 22
S 23	22 3 4	29°12'29	13°29	20° 7	0♌59	26° 2	15°19	27°19	17°41	4° 8	27° 4	20°31	21° 4	5°39	25°17	S 23
S 24	22 7 0	0♍10'27	25°21	19°37	2°12	26°40	15°26	27°21	17°R41	4°11	27° 4	20°19	21° 1	5°45	25°26	S 24
M25	22 10 57	1° 8'27	7♈14	19°14	3°24	27°19	15°34	27°23	17°41	4°13	27° 3	20°10	20°58	5°52	25°34	M25
T 26	22 14 53	2° 6'28	19°13	18°58	4°37	27°57	15°41	27°26	17°41	4°15	27° 2	20° 4	20°54	5°59	25°42	T 26
W27	22 18 50	3° 4'31	1♉18	18°D50	5°50	28°35	15°49	27°28	17°41	4°17	27° 2	20° 0	20°51	6° 5	25°51	W27
T 28	22 22 47	4° 2'36	13°35	18°51	7° 3	29°13	15°57	27°31	17°41	4°20	27° 1	19°59	20°48	6°12	25°59	T 28
F 29	22 26 43	5° 0'43	26° 8	19° 0	8°16	29°51	16° 4	27°33	17°40	4°22	27° 1	19°D59	20°45	6°19	26° 8	F 29
S 30	22 30 40	5°58'53	9♊ 1	19°18	9°29	0♌29	16°12	27°36	17°40	4°24	27° 0	19°R59	20°42	6°26	26°16	S 30
S 31	22 34 36	6♍57'04	22♊19	19♌45	10♌42	1♌ 7	16♏21	27♏39	17♉40	4♍26	26♈59	19♏58	20♏38	6♓32	26♍25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n18	17n30	0n30	7n55	3s16	22n30	0s55	23n43	0n45	14s59	0n55	17s38	1n56	16n45	0s21	11n 2	0n47	5s20	16s56	18s32	18s22	5s39	0n 9	3s 7	F 1
S 2	18 3	19 36	0s38	7 40	3 28	22 30	0 52	23 40	0 46	15 0	0 55	17 39	1 55	16 45	0 21	11 1	0 47	5 20	16 56	18 32	18 21	5 36	0 6	3 7	S 2
S 3	17 47	20 42	1 47	7 27	3 39	22 29	0 49	23 37	0 46	15 2	0 55	17 39	1 55	16 45	0 21	11 1	0 47	5 21	16 57	18 32	18 20	5 34	0 4	3 6	S 3
M 4	17 32	20 36	2 52	7 16	3 50	22 28	0 46	23 33	0 47	15 3	0 55	17 39	1 55	16 45	0 21	11 0	0 47	5 21	16 57	18 31	18 19	5 32	0 1	3 6	M 4
T 5	17 16	19 11	3 48	7 8	4 0	22 27	0 43	23 30	0 48	15 5	0 54	17 39	1 55	16 46	0 21	10 59	0 47	5 21	16 57	18 30	18 19	5 30	0s 1	3 5	T 5
W 6	17 0	16 27	4 31	7 2	4 9	22 24	0 40	23 26	0 48	15 6	0 54	17 40	1 54	16 46	0 21	10 58	0 47	5 22	16 58	18 27	18 18	5 28	0 4	3 5	W 6
T 7	16 43	12 34	4 55	6 59	4 18	22 22	0 37	23 22	0 49	15 8	0 54	17 40	1 54	16 46	0 21	10 57	0 47	5 22	16 58	18 25	18 17	5 25	0 6	3 4	T 7
F 8	16 26	7 51	5 0	6 59	4 25	22 18	0 33	23 18	0 49	15 10	0 54	17 40	1 54	16 46	0 21	10 57	0 47	5 23	16 58	18 22	18 16	5 23	0 9	3 4	F 8
S 9	16 9	2 39	4 43	7 2	4 32	22 14	0 30	23 14	0 50	15 11	0 53	17 41	1 54	16 47	0 21	10 56	0 47	5 23	16 59	18 19	18 15	5 21	0 11	3 3	S 9
S 10	15 52	2s38	4 6	7 7	4 37	22 9	0 27	23 9	0 50	15 13	0 53	17 41	1 53	16 47	0 21	10 55	0 47	5 23	16 59	18 17	18 15	5 19	0 14	3 3	S 10
M11	15 35	7 40	3 14	7 16	4 41	22 4	0 24	23 4	0 51	15 15	0 53	17 42	1 53	16 47	0 21	10 54	0 47	5 24	16 59	18 16	18 14	5 16	0 17	3 2	M11
T 12	15 17	12 7	2 11	7 28	4 43	21 57	0 21	23 0	0 51	15 17	0 53	17 42	1 53	16 47	0 21	10 54	0 47	5 24	17 0	18 15	18 13	5 14	0 19	3 2	T 12
W13	14 59	15 47	1 3	7 42	4 44	21 51	0 18	22 55	0 52	15 19	0 53	17 43	1 53	16 47	0 21	10 53	0 47	5 25	17 0	18 15	18 12	5 12	0 22	3 1	W13
T 14	14 41	18 30	0n 8	7 59	4 43	21 43	0 15	22 49	0 53	15 21	0 52	17 43	1 53	16 47	0 21	10 52	0 47	5 25	17 0	18 15	18 11	5 10	0 25	3 1	T 14
F 15	14 22	20 9	1 16	8 19	4 40	21 35	0 12	22 44	0 53	15 23	0 52	17 44	1 52	16 48	0 21	10 51	0 47	5 25	17 1	18 15	18 10	5 7	0 27	3 0	F 15
S 16	14 3	20 44	2 18	8 41	4 35	21 27	0 9	22 39	0 54	15 25	0 52	17 44	1 52	16 48	0 21	10 50	0 47	5 26	17 1	18 14	18 10	5 5	0 30	3 0	S 16
S 17	13 44	20 16	3 13	9 5	4 28	21 18	0 6	22 33	0 54	15 27	0 52	17 45	1 52	16 48	0 21	10 50	0 47	5 26	17 1	18 13	18 9	5 3	0 33	3 0	S 17
M18	13 25	18 51	3 57	9 30	4 20	21 8	0 3	22 27	0 55	15 29	0 51	17 45	1 52	16 48	0 21	10 49	0 47	5 27	17 2	18 11	18 8	5 1	0 36	2 59	M18
T 19	13 6	16 36	4 31	9 57	4 9	20 57	0 0	22 21	0 55	15 31	0 51	17 46	1 51	16 48	0 21	10 48	0 47	5 27	17 2	18 9	18 7	4 59	0 38	2 59	T 19
W20	12 46	13 40	4 52	10 24	3 57	20 46	0n 3	22 15	0 56	15 33	0 51	17 47	1 51	16 48	0 21	10 47	0 47	5 28	17 2	18 6	18 6	4 56	0 41	2 58	W20
T 21	12 27	10 11	5 0	10 52	3 43	20 35	0 6	22 9	0 56	15 35	0 51	17 47	1 51	16 48	0 21	10 46	0 47	5 28	17 2	18 2	18 5	4 54	0 44	2 58	T 21
F 22	12 7	6 20	4 54	11 20	3 28	20 23	0 8	22 2	0 57	15 37	0 50	17 48	1 51	16 48	0 21	10 46	0 47	5 28	17 3	17 58	18 5	4 52	0 47	2 57	F 22
S 23	11 46	2 15	4 36	11 46	3 12	20 10	0 11	21 56	0 57	15 40	0 50	17 49	1 50	16 48	0 21	10 45	0 47	5 29	17 3	17 55	18 4	4 50	0 50	2 57	S 23
S 24	11 26	1n55	4 6	12 12	2 55	19 56	0 14	21 49	0 58	15 42	0 50	17 49	1 50	16 48	0 21	10 44	0 47	5 29	17 3	17 52	18 3	4 47	0 53	2 57	S 24
M25	11 6	6 1	3 26	12 36	2 37	19 42	0 17	21 42	0 59	15 44	0 50	17 50	1 50	16 48	0 21	10 43	0 47	5 30	17 4	17 49	18 2	4 45	0 56	2 56	M25
T 26	10 45	9 56	2 35	12 59	2 18	19 28	0 20	21 35	0 59	15 47	0 50	17 51	1 50	16 48	0 21	10 42	0 47	5 30	17 4	17 48	18 1	4 43	0 59	2 56	T 26
W27	10 24	13 28	1 37	13 19	1 59	19 13	0 22	21 28	1 0	15 49	0 49	17 52	1 49	16 48	0 21	10 42	0 47	5 31	17 4	17 47	18 0	4 41	1 2	2 55	W27
T 28	10 3	16 29	0 34	13 37	1 41	18 57	0 25	21 20	1 0	15 52	0 49	17 52	1 49	16 48	0 21	10 41	0 47	5 31	17 4	17 46	17 59	4 38	1 5	2 55	T 28
F 29	9 42	18 48	0s33	13 51	1 22	18 41	0 28	21 13	1 1	15 54	0 49	17 53	1 49	16 48	0 21	10 40	0 47	5 32	17 5	17 46	17 59	4 36	1 8	2 55	F 29
S 30	9 20	20 13	1 39	14 3	1 4	18 24	0 30	21 5	1 1	15 57	0 49	17 54	1 49	16 48	0 21	10 39	0 47	5 32	17 5	17 46	17 58	4 34	1 11	2 54	S 30
S 31	8n59	20n34	2s43	14n12	0s46	18n 7	0n33	20n57	1n 2	15s59	0n49	17s55	1n49	16n48	0s21	10n38	0n48	5s33	17s 5	17s46	17s57	4s32	1s14	2s54	S 31

Julian Day Number = 2306755.5, Delta T = 84.20 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'28, Lahiri = 18°19'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

SEPTEMBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 38 33	7♍55'17	6♋ 5	20♌19	11♌55	1♌45	16♏29	27♏41	17°R40	4♍28	26°R59	19°R55	20♏35	6♓39	26♍33	M 1
T 2	22 42 29	8°53'32	20°19	21° 3	13° 8	2°23	16°37	27°44	17♉39	4°31	26♈58	19♏50	20°32	6°46	26°42	T 2
W 3	22 46 26	9°51'50	5♌ 1	21°54	14°21	3° 1	16°46	27°47	17°39	4°33	26°57	19°42	20°29	6°52	26°50	W 3
T 4	22 50 22	10°50'09	20° 5	22°52	15°34	3°39	16°54	27°50	17°38	4°35	26°57	19°33	20°26	6°59	26°59	T 4
F 5	22 54 19	11°48'30	5♍21	23°58	16°48	4°17	17° 3	27°54	17°37	4°37	26°56	19°23	20°23	7° 6	27° 7	F 5
S 6	22 58 16	12°46'53	20°40	25°10	18° 1	4°55	17°12	27°57	17°37	4°40	26°55	19°14	20°19	7°13	27°16	S 6
S 7	23 2 12	13°45'18	5♎49	26°29	19°14	5°32	17°21	28° 0	17°36	4°42	26°54	19° 6	20°16	7°19	27°25	S 7
M 8	23 6 9	14°43'45	20°39	27°52	20°28	6°10	17°30	28° 4	17°35	4°44	26°54	19° 1	20°13	7°26	27°33	M 8
T 9	23 10 5	15°42'13	5♏ 4	29°21	21°41	6°48	17°39	28° 7	17°35	4°46	26°53	18°58	20°10	7°33	27°42	T 9
W10	23 14 2	16°40'43	19° 1	0♍54	22°55	7°25	17°48	28°11	17°34	4°48	26°52	18°D57	20° 7	7°40	27°51	W10
T 11	23 17 58	17°39'15	2♐29	2°31	24° 8	8° 3	17°58	28°15	17°33	4°51	26°51	18°57	20° 4	7°46	28° 0	T 11
F 12	23 21 55	18°37'48	15°32	4°11	25°22	8°40	18° 7	28°18	17°32	4°53	26°50	18°R58	20° 0	7°53	28° 8	F 12
S 13	23 25 51	19°36'23	28°13	5°54	26°36	9°18	18°17	28°22	17°31	4°55	26°49	18°58	19°57	8° 0	28°17	S 13
S 14	23 29 48	20°35'00	10♑36	7°39	27°50	9°55	18°27	28°26	17°30	4°57	26°48	18°56	19°54	8° 6	28°26	S 14
M15	23 33 45	21°33'38	22°47	9°26	29° 3	10°32	18°36	28°30	17°29	4°59	26°48	18°51	19°51	8°13	28°35	M15
T 16	23 37 41	22°32'18	4♒48	11°14	0♍17	11° 9	18°46	28°34	17°28	5° 1	26°47	18°44	19°48	8°20	28°44	T 16
W17	23 41 38	23°31'00	16°44	13° 3	1°31	11°47	18°56	28°38	17°27	5° 4	26°46	18°36	19°44	8°27	28°52	W17
T 18	23 45 34	24°29'43	28°37	14°53	2°45	12°24	19° 6	28°43	17°26	5° 6	26°45	18°26	19°41	8°33	29° 1	T 18
F 19	23 49 31	25°28'29	10♓29	16°43	3°59	13° 1	19°17	28°47	17°24	5° 8	26°44	18°15	19°38	8°40	29°10	F 19
S 20	23 53 27	26°27'16	22°22	18°33	5°13	13°38	19°27	28°51	17°23	5°10	26°43	18° 5	19°35	8°47	29°19	S 20
S 21	23 57 24	27°26'06	4♈18	20°24	6°27	14°15	19°37	28°56	17°22	5°12	26°42	17°57	19°32	8°53	29°28	S 21
M22	0 1 20	28°24'57	16°19	22°14	7°41	14°52	19°48	29° 0	17°20	5°14	26°41	17°50	19°29	9° 0	29°36	M22
T 23	0 5 17	29°23'51	28°25	24° 4	8°55	15°29	19°58	29° 5	17°19	5°16	26°40	17°46	19°25	9° 7	29°45	T 23
W24	0 9 13	0♎22'46	10♉39	25°53	10°10	16° 6	20° 9	29°10	17°18	5°18	26°39	17°44	19°22	9°14	29°54	W24
T 25	0 13 10	1°21'44	23° 3	27°42	11°24	16°43	20°20	29°14	17°16	5°20	26°38	17°D44	19°19	9°20	0♎ 3	T 25
F 26	0 17 7	2°20'45	5♊42	29°30	12°38	17°20	20°31	29°19	17°15	5°22	26°37	17°45	19°16	9°27	0°12	F 26
S 27	0 21 3	3°19'47	18°37	1♎17	13°52	17°56	20°42	29°24	17°13	5°24	26°36	17°46	19°13	9°34	0°21	S 27
S 28	0 25 0	4°18'52	1♋52	3° 4	15° 7	18°33	20°53	29°29	17°11	5°26	26°35	17°R47	19°10	9°40	0°29	S 28
M29	0 28 56	5°18'00	15°31	4°50	16°21	19°10	21° 4	29°34	17°10	5°28	26°34	17°47	19° 6	9°47	0°38	M29
T 30	0 32 53	6♎17'10	29♋34	6♎35	17♍36	19♌46	21♏15	29♏39	17♉ 8	5♍30	26♈33	17♏44	19♏ 3	9♓54	0♎47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n37	19n42	3s39	14n17	0s29	17n49	0n35	20n49	1n 2	16s 2	0n48	17s56	1n48	16n47	0s21	10n38	0n48	5s33	17s 5	17s45	17s56	4s30	1s17	2s54
T 2	8 15	17 36	4 24	14 19	0 12	17 31	0 38	20 41	1 3	16 4	0 48	17 57	1 48	16 47	0 21	10 37	0 48	5 33	17 6	17 44	17 55	4 27	1 20	2 53
W 3	7 53	14 19	4 53	14 17	0n 3	17 12	0 40	20 33	1 3	16 7	0 48	17 57	1 48	16 47	0 21	10 36	0 48	5 34	17 6	17 42	17 54	4 25	1 23	2 53
T 4	7 31	10 2	5 2	14 12	0 18	16 53	0 43	20 25	1 4	16 9	0 48	17 58	1 48	16 47	0 21	10 35	0 48	5 34	17 6	17 39	17 54	4 23	1 26	2 52
F 5	7 9	5 3	4 51	14 3	0 31	16 33	0 45	20 16	1 4	16 12	0 48	17 59	1 47	16 47	0 21	10 34	0 48	5 35	17 6	17 37	17 53	4 21	1 29	2 52
S 6	6 47	0s15	4 19	13 51	0 44	16 13	0 47	20 8	1 5	16 15	0 47	18 0	1 47	16 47	0 21	10 34	0 48	5 35	17 7	17 34	17 52	4 18	1 32	2 52
S 7	6 24	5 30	3 28	13 35	0 55	15 52	0 50	19 59	1 6	16 18	0 47	18 1	1 47	16 46	0 21	10 33	0 48	5 36	17 7	17 32	17 51	4 16	1 35	2 51
M 8	6 2	10 19	2 25	13 16	1 6	15 31	0 52	19 50	1 6	16 20	0 47	18 2	1 47	16 46	0 21	10 32	0 48	5 36	17 7	17 31	17 50	4 14	1 39	2 51
T 9	5 39	14 23	1 13	12 53	1 15	15 9	0 54	19 41	1 7	16 23	0 47	18 3	1 47	16 46	0 21	10 31	0 48	5 37	17 7	17 30	17 49	4 12	1 42	2 51
W10	5 16	17 30	0n 0	12 28	1 23	14 47	0 56	19 32	1 7	16 26	0 47	18 4	1 46	16 46	0 21	10 30	0 48	5 37	17 8	17 30	17 48	4 9	1 45	2 50
T 11	4 53	19 32	1 12	12 0	1 30	14 25	0 58	19 23	1 8	16 29	0 46	18 5	1 46	16 46	0 22	10 30	0 48	5 38	17 8	17 30	17 48	4 7	1 48	2 50
F 12	4 30	20 26	2 17	11 29	1 36	14 2	1 0	19 14	1 8	16 31	0 46	18 6	1 46	16 45	0 22	10 29	0 48	5 38	17 8	17 30	17 47	4 5	1 51	2 50
S 13	4 7	20 15	3 14	10 55	1 41	13 39	1 2	19 4	1 9	16 34	0 46	18 7	1 46	16 45	0 22	10 28	0 48	5 39	17 8	17 30	17 46	4 3	1 54	2 49
S 14	3 44	19 5	4 0	10 20	1 45	13 15	1 4	18 55	1 9	16 37	0 46	18 8	1 45	16 45	0 22	10 27	0 48	5 39	17 8	17 29	17 45	4 1	1 58	2 49
M15	3 21	17 3	4 34	9 42	1 47	12 51	1 6	18 45	1 10	16 40	0 46	18 9	1 45	16 44	0 22	10 27	0 48	5 40	17 9	17 28	17 44	3 58	2 1	2 49
T 16	2 58	14 18	4 56	9 3	1 49	12 27	1 7	18 35	1 10	16 43	0 45	18 10	1 45	16 44	0 22	10 26	0 48	5 40	17 9	17 26	17 43	3 56	2 4	2 48
W17	2 35	11 0	5 5	8 22	1 51	12 2	1 9	18 25	1 11	16 46	0 45	18 12	1 45	16 44	0 22	10 25	0 48	5 41	17 9	17 24	17 42	3 54	2 7	2 48
T 18	2 11	7 17	5 0	7 40	1 51	11 37	1 11	18 16	1 11	16 49	0 45	18 13	1 45	16 43	0 22	10 24	0 48	5 41	17 9	17 21	17 42	3 52	2 11	2 48
F 19	1 48	3 17	4 43	6 57	1 51	11 11	1 12	18 5	1 12	16 52	0 45	18 14	1 44	16 43	0 22	10 23	0 48	5 42	17 9	17 18	17 41	3 49	2 14	2 48
S 20	1 25	0n50	4 13	6 13	1 50	10 46	1 14	17 55	1 12	16 55	0 45	18 15	1 44	16 43	0 22	10 23	0 48	5 42	17 10	17 15	17 40	3 47	2 17	2 47
S 21	1 1	4 57	3 32	5 28	1 48	10 20	1 15	17 45	1 13	16 58	0 45	18 16	1 44	16 42	0 22	10 22	0 48	5 43	17 10	17 13	17 39	3 45	2 20	2 47
M22	0 38	8 54	2 41	4 42	1 46	9 53	1 17	17 35	1 13	17 1	0 44	18 17	1 44	16 42	0 22	10 21	0 48	5 43	17 10	17 11	17 38	3 43	2 24	2 47
T 23	0 14	12 31	1 42	3 56	1 43	9 27	1 18	17 24	1 14	17 4	0 44	18 18	1 44	16 42	0 22	10 20	0 48	5 44	17 10	17 10	17 37	3 41	2 27	2 46
W24	0s 9	15 39	0 38	3 10	1 40	9 0	1 19	17 14	1 14	17 7	0 44	18 20	1 43	16 41	0 22	10 20	0 48	5 44	17 10	17 9	17 36	3 38	2 30	2 46
T 25	0 33	18 7	0s29	2 23	1 36	8 33	1 20	17 3	1 15	17 10	0 44	18 21	1 43	16 41	0 22	10 19	0 48	5 45	17 10	17 9	17 36	3 36	2 33	2 46
F 26	0 56	19 44	1 36	1 36	1 32	8 5	1 21	16 52	1 16	17 13	0 44	18 22	1 43	16 40	0 22	10 18	0 48	5 45	17 11	17 10	17 35	3 34	2 37	2 46
S 27	1 20	20 21	2 39	0 49	1 27	7 38	1 23	16 42	1 16	17 16	0 44	18 23	1 43	16 40	0 22	10 18	0 48	5 46	17 11	17 10	17 34	3 32	2 40	2 45
S 28	1 43	19 52	3 36	0 3	1 23	7 10	1 23	16 31	1 17	17 19	0 43	18 25	1 43	16 39	0 22	10 17	0 48	5 46	17 11	17 10	17 33	3 29	2 43	2 45
M29	2 7	18 14	4 23	0s44	1 18	6 41	1 24	16 20	1 17	17 22	0 43	18 26	1 43	16 39	0 22	10 16	0 48	5 47	17 11	17 10	17 32	3 27	2 46	2 45
T 30	2s30	15n29	4s55	1s31	1n12	6n13	1n25	16n 9	1n18	17s25	0n43	18s27	1n42	16n38	0s22	10n15	0n48	5s47	17s11	17s 9	17s31	3s25	2s50	2s45

Julian Day Number = 2306786.5, Delta T = 84.09 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'32, Lahiri = 18°19'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

OCTOBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 36 49	7♎16'22	14♌ 0	8♎20	18♍50	20♌23	21♏26	29♏44	17°R 6	5♍32	26°R32	17°R41	19♏ 0	10♓ 1	0♎56	W 1
T 2	0 40 46	8°15'36	28°48	10° 3	20° 5	20°59	21°38	29°49	17♉ 5	5°34	26♈31	17♏35	18°57	10° 7	1° 5	T 2
F 3	0 44 42	9°14'52	13♍49	11°46	21°19	21°36	21°49	29°55	17° 3	5°36	26°30	17°29	18°54	10°14	1°14	F 3
S 4	0 48 39	10°14'11	28°56	13°28	22°34	22°12	22° 0	29°59	17° 1	5°38	26°29	17°24	18°50	10°21	1°22	S 4
S 5	0 52 36	11°13'32	13♎59	15°10	23°48	22°49	22°12	0♐ 5	16°59	5°40	26°28	17°19	18°47	10°27	1°31	S 5
M 6	0 56 32	12°12'55	28°48	16°50	25° 3	23°25	22°24	0°11	16°57	5°42	26°26	17°16	18°44	10°34	1°40	M 6
T 7	1 0 29	13°12'20	13♏17	18°30	26°18	24° 1	22°35	0°16	16°55	5°44	26°25	17°D15	18°41	10°41	1°49	T 7
W 8	1 4 25	14°11'47	27°19	20° 9	27°33	24°37	22°47	0°22	16°53	5°46	26°24	17°15	18°38	10°48	1°57	W 8
T 9	1 8 22	15°11'16	10♐55	21°48	28°47	25°13	22°59	0°27	16°51	5°47	26°23	17°17	18°35	10°54	2° 6	T 9
F 10	1 12 18	16°10'46	24° 4	23°25	0♏ 2	25°49	23°11	0°33	16°49	5°49	26°22	17°18	18°31	11° 1	2°15	F 10
S 11	1 16 15	17°10'19	6♑50	25° 2	1°17	26°25	23°23	0°39	16°47	5°51	26°21	17°20	18°28	11° 8	2°23	S 11
S 12	1 20 11	18° 9'53	19°16	26°39	2°32	27° 1	23°35	0°45	16°45	5°53	26°20	17°R20	18°25	11°14	2°32	S 12
M13	1 24 8	19° 9'29	1♒27	28°15	3°47	27°37	23°47	0°50	16°43	5°54	26°19	17°19	18°22	11°21	2°41	M13
T 14	1 28 5	20° 9'06	13°28	29°50	5° 2	28°13	23°59	0°56	16°41	5°56	26°17	17°17	18°19	11°28	2°49	T 14
W15	1 32 1	21° 8'46	25°22	1♏24	6°16	28°49	24°11	1° 2	16°39	5°58	26°16	17°14	18°15	11°34	2°58	W15
T 16	1 35 58	22° 8'27	7♓13	2°58	7°31	29°24	24°24	1° 8	16°36	6° 0	26°15	17°10	18°12	11°41	3° 7	T 16
F 17	1 39 54	23° 8'10	19° 6	4°31	8°46	0♍ 0	24°36	1°14	16°34	6° 1	26°14	17° 6	18° 9	11°48	3°15	F 17
S 18	1 43 51	24° 7'54	1♈ 2	6° 4	10° 1	0°36	24°48	1°20	16°32	6° 3	26°13	17° 2	18° 6	11°55	3°24	S 18
S 19	1 47 47	25° 7'41	13° 5	7°36	11°16	1°11	25° 1	1°26	16°30	6° 4	26°12	16°58	18° 3	12° 1	3°32	S 19
M20	1 51 44	26° 7'30	25°15	9° 8	12°31	1°47	25°13	1°33	16°27	6° 6	26°11	16°56	18° 0	12° 8	3°41	M20
T 21	1 55 40	27° 7'20	7♉34	10°39	13°46	2°22	25°26	1°39	16°25	6° 8	26°10	16°55	17°56	12°15	3°49	T 21
W22	1 59 37	28° 7'13	20° 4	12° 9	15° 2	2°57	25°38	1°45	16°23	6° 9	26° 8	16°D54	17°53	12°21	3°57	W22
T 23	2 3 34	29° 7'08	2♊45	13°39	16°17	3°33	25°51	1°51	16°20	6°11	26° 7	16°55	17°50	12°28	4° 6	T 23
F 24	2 7 30	0♏ 7'05	15°38	15° 9	17°32	4° 8	26° 4	1°58	16°18	6°12	26° 6	16°56	17°47	12°35	4°14	F 24
S 25	2 11 27	1° 7'04	28°46	16°38	18°47	4°43	26°16	2° 4	16°16	6°14	26° 5	16°58	17°44	12°42	4°22	S 25
S 26	2 15 23	2° 7'05	12♋ 9	18° 6	20° 2	5°18	26°29	2°10	16°13	6°15	26° 4	16°59	17°41	12°48	4°31	S 26
M27	2 19 20	3° 7'08	25°49	19°34	21°17	5°53	26°42	2°17	16°11	6°16	26° 3	16°59	17°37	12°55	4°39	M27
T 28	2 23 16	4° 7'14	9♌45	21° 1	22°32	6°28	26°55	2°23	16° 8	6°18	26° 2	16°R59	17°34	13° 2	4°47	T 28
W29	2 27 13	5° 7'21	23°57	22°28	23°48	7° 3	27° 8	2°30	16° 6	6°19	26° 0	16°59	17°31	13° 8	4°55	W29
T 30	2 31 9	6° 7'31	8♍23	23°54	25° 3	7°38	27°21	2°36	16° 4	6°21	25°59	16°58	17°28	13°15	5° 3	T 30
F 31	2 35 6	7♏ 7'43	23♍ 0	25♏19	26♎18	8♍12	27♏34	2♐43	16♉ 1	6♍22	25♈58	16♏57	17♏25	13♓22	5♎11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2s54	11n43	5s 9	2s17	1n 7	5n45	1n26	15n58	1n18	17s28	0n43	18s28	1n42	16n38	0s22	10n15	0n48	5s47	17s11	17s 8	17s30	3s23	2s53	2s44
T 2	3 17	7 10	5 4	3 4	1 1	5 16	1 27	15 46	1 19	17 31	0 43	18 30	1 42	16 37	0 22	10 14	0 48	5 48	17 11	17 7	17 29	3 21	2 56	2 44
F 3	3 40	2 6	4 38	3 49	0 55	4 47	1 27	15 35	1 19	17 34	0 43	18 31	1 42	16 37	0 22	10 13	0 48	5 48	17 11	17 5	17 29	3 18	3 0	2 44
S 4	4 4	3s 8	3 53	4 35	0 49	4 18	1 28	15 24	1 20	17 37	0 43	18 32	1 42	16 36	0 22	10 13	0 48	5 49	17 11	17 4	17 28	3 16	3 3	2 44
S 5	4 27	8 9	2 51	5 20	0 42	3 49	1 28	15 12	1 20	17 40	0 42	18 33	1 41	16 36	0 22	10 12	0 48	5 49	17 12	17 2	17 27	3 14	3 6	2 43
M 6	4 50	12 37	1 39	6 5	0 36	3 20	1 29	15 1	1 21	17 44	0 42	18 35	1 41	16 35	0 22	10 11	0 48	5 50	17 12	17 2	17 26	3 12	3 10	2 43
T 7	5 13	16 12	0 22	6 49	0 29	2 50	1 29	14 49	1 21	17 47	0 42	18 36	1 41	16 35	0 22	10 11	0 48	5 50	17 12	17 1	17 25	3 10	3 13	2 43
W 8	5 37	18 43	0n55	7 33	0 23	2 21	1 29	14 38	1 22	17 50	0 42	18 37	1 41	16 34	0 22	10 10	0 48	5 51	17 12	17 1	17 24	3 7	3 16	2 43
T 9	6 0	20 3	2 6	8 16	0 16	1 51	1 30	14 26	1 22	17 53	0 42	18 39	1 41	16 34	0 22	10 9	0 48	5 51	17 12	17 2	17 23	3 5	3 19	2 43
F 10	6 23	20 14	3 8	8 58	0 9	1 22	1 30	14 14	1 23	17 56	0 42	18 40	1 41	16 33	0 22	10 9	0 48	5 51	17 12	17 2	17 22	3 3	3 23	2 42
S 11	6 45	19 20	3 59	9 40	0 2	0 52	1 30	14 2	1 23	17 59	0 42	18 41	1 41	16 32	0 22	10 8	0 48	5 52	17 12	17 2	17 22	3 1	3 26	2 42
S 12	7 8	17 32	4 37	10 22	0s 4	0 22	1 30	13 51	1 24	18 2	0 41	18 43	1 40	16 32	0 22	10 7	0 48	5 52	17 12	17 3	17 21	2 58	3 29	2 42
M13	7 31	14 58	5 2	11 3	0 11	0s 8	1 30	13 39	1 24	18 5	0 41	18 44	1 40	16 31	0 22	10 7	0 48	5 53	17 12	17 2	17 20	2 56	3 32	2 42
T 14	7 54	11 49	5 13	11 43	0 18	0 38	1 30	13 27	1 25	18 9	0 41	18 45	1 40	16 31	0 22	10 6	0 48	5 53	17 12	17 2	17 19	2 54	3 36	2 42
W15	8 16	8 13	5 10	12 23	0 25	1 8	1 29	13 15	1 26	18 12	0 41	18 47	1 40	16 30	0 22	10 6	0 48	5 54	17 12	17 1	17 18	2 52	3 39	2 41
T 16	8 38	4 19	4 55	13 1	0 32	1 38	1 29	13 3	1 26	18 15	0 41	18 48	1 40	16 29	0 22	10 5	0 48	5 54	17 12	17 0	17 17	2 50	3 42	2 41
F 17	9 1	0 14	4 26	13 40	0 39	2 7	1 29	12 51	1 27	18 18	0 41	18 50	1 40	16 29	0 22	10 4	0 48	5 54	17 12	16 59	17 16	2 47	3 45	2 41
S 18	9 23	3n52	3 46	14 17	0 45	2 37	1 28	12 39	1 27	18 21	0 41	18 51	1 39	16 28	0 22	10 4	0 49	5 55	17 12	16 57	17 15	2 45	3 49	2 41
S 19	9 45	7 52	2 56	14 54	0 52	3 7	1 28	12 26	1 28	18 24	0 40	18 52	1 39	16 27	0 22	10 3	0 49	5 55	17 12	16 56	17 15	2 43	3 52	2 41
M20	10 6	11 36	1 57	15 30	0 58	3 37	1 27	12 14	1 28	18 27	0 40	18 54	1 39	16 27	0 22	10 3	0 49	5 56	17 12	16 56	17 14	2 41	3 55	2 41
T 21	10 28	14 52	0 51	16 5	1 5	4 7	1 27	12 2	1 29	18 31	0 40	18 55	1 39	16 26	0 22	10 2	0 49	5 56	17 12	16 55	17 13	2 39	3 58	2 40
W22	10 50	17 31	0s17	16 39	1 11	4 36	1 26	11 50	1 29	18 34	0 40	18 56	1 39	16 25	0 22	10 2	0 49	5 56	17 12	16 55	17 12	2 36	4 1	2 40
T 23	11 11	19 20	1 26	17 12	1 18	5 6	1 25	11 37	1 30	18 37	0 40	18 58	1 39	16 25	0 22	10 1	0 49	5 57	17 12	16 55	17 11	2 34	4 5	2 40
F 24	11 32	20 11	2 32	17 45	1 24	5 35	1 25	11 25	1 30	18 40	0 40	18 59	1 39	16 24	0 22	10 1	0 49	5 57	17 12	16 56	17 10	2 32	4 8	2 40
S 25	11 53	19 58	3 31	18 17	1 30	6 5	1 24	11 13	1 31	18 43	0 40	19 1	1 39	16 23	0 22	10 0	0 49	5 57	17 12	16 56	17 9	2 30	4 11	2 40
S 26	12 14	18 37	4 20	18 48	1 36	6 34	1 23	11 0	1 31	18 46	0 40	19 2	1 38	16 23	0 22	10 0	0 49	5 58	17 12	16 57	17 8	2 28	4 14	2 40
M27	12 35	16 11	4 55	19 17	1 42	7 3	1 22	10 48	1 32	18 49	0 39	19 3	1 38	16 22	0 22	9 59	0 49	5 58	17 12	16 57	17 7	2 25	4 17	2 39
T 28	12 55	12 48	5 14	19 46	1 47	7 32	1 21	10 35	1 32	18 52	0 39	19 5	1 38	16 21	0 22	9 59	0 49	5 58	17 12	16 57	17 7	2 23	4 20	2 39
W29	13 15	8 37	5 14	20 14	1 53	8 1	1 20	10 23	1 33	18 55	0 39	19 6	1 38	16 21	0 22	9 58	0 49	5 59	17 12	16 57	17 6	2 21	4 24	2 39
T 30	13 35	3 53	4 55	20 41	1 58	8 30	1 19	10 10	1 33	18 58	0 39	19 7	1 38	16 20	0 22	9 58	0 49	5 59	17 12	16 56	17 5	2 19	4 27	2 39
F 31	13s55	1s 8	4s16	21s 7	2s 3	8s58	1n17	9n58	1n34	19s 1	0n39	19s 9	1n38	16n19	0s22	9n57	0n49	5s59	17s12	16s56	17s 4	2s17	4s30	2s39

Julian Day Number = 2306816.5, Delta T = 83.99 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'36, Lahiri = 18°19'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

NOVEMBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 39 2	8♏ 7'57	7♎42	26♏44	27♎34	8♍47	27♏47	2♐50	15°R59	6♍23	25°R57	16°R56	17♏21	13♓29	5♎19	S 1
S 2	2 42 59	9° 8'13	22°22	28° 8	28°49	9°22	28° 0	2°56	15♉56	6°24	25♈56	16♏55	17°18	13°35	5°27	S 2
M 3	2 46 56	10° 8'30	6♏55	29°31	0♏ 4	9°56	28°13	3° 3	15°54	6°26	25°55	16°54	17°15	13°42	5°35	M 3
T 4	2 50 52	11° 8'50	21°13	0♐53	1°19	10°31	28°26	3°10	15°51	6°27	25°54	16°D54	17°12	13°49	5°43	T 4
W 5	2 54 49	12° 9'11	5♐11	2°14	2°35	11° 5	28°39	3°17	15°49	6°28	25°53	16°54	17° 9	13°55	5°51	W 5
T 6	2 58 45	13° 9'34	18°47	3°34	3°50	11°39	28°52	3°23	15°46	6°29	25°52	16°55	17° 6	14° 2	5°59	T 6
F 7	3 2 42	14° 9'59	2♑ 0	4°53	5° 6	12°14	29° 5	3°30	15°44	6°30	25°51	16°55	17° 2	14° 9	6° 7	F 7
S 8	3 6 38	15°10'25	14°51	6°11	6°21	12°48	29°19	3°37	15°41	6°31	25°50	16°55	16°59	14°16	6°14	S 8
S 9	3 10 35	16°10'52	27°21	7°27	7°36	13°22	29°32	3°44	15°39	6°32	25°48	16°56	16°56	14°22	6°22	S 9
M10	3 14 32	17°11'20	9♒35	8°41	8°52	13°56	29°45	3°51	15°36	6°33	25°47	16°56	16°53	14°29	6°29	M10
T 11	3 18 28	18°11'50	21°37	9°54	10° 7	14°29	29°59	3°58	15°34	6°34	25°46	16°56	16°50	14°36	6°37	T 11
W12	3 22 25	19°12'22	3♓31	11° 4	11°22	15° 3	0♐12	4° 4	15°31	6°35	25°45	16°56	16°47	14°42	6°44	W12
T 13	3 26 21	20°12'54	15°23	12°12	12°38	15°37	0°25	4°11	15°29	6°36	25°44	16°56	16°43	14°49	6°52	T 13
F 14	3 30 18	21°13'28	27°16	13°18	13°53	16°11	0°39	4°18	15°26	6°37	25°43	16°56	16°40	14°56	6°59	F 14
S 15	3 34 14	22°14'03	9♈15	14°20	15° 9	16°44	0°52	4°25	15°24	6°38	25°42	16°57	16°37	15° 2	7° 6	S 15
S 16	3 38 11	23°14'39	21°23	15°19	16°24	17°17	1° 5	4°32	15°21	6°39	25°41	16°57	16°34	15° 9	7°14	S 16
M17	3 42 7	24°15'17	3♉43	16°14	17°40	17°51	1°19	4°39	15°19	6°39	25°40	16°58	16°31	15°16	7°21	M17
T 18	3 46 4	25°15'56	16°17	17° 4	18°55	18°24	1°32	4°46	15°16	6°40	25°39	16°R58	16°27	15°23	7°28	T 18
W19	3 50 0	26°16'36	29° 6	17°49	20°11	18°57	1°46	4°53	15°14	6°41	25°38	16°58	16°24	15°29	7°35	W19
T 20	3 53 57	27°17'18	12♊ 9	18°28	21°26	19°30	1°59	5° 0	15°11	6°41	25°37	16°57	16°21	15°36	7°42	T 20
F 21	3 57 54	28°18'02	25°28	19° 1	22°41	20° 3	2°13	5° 7	15° 9	6°42	25°36	16°56	16°18	15°43	7°49	F 21
S 22	4 1 50	29°18'47	8♋59	19°27	23°57	20°36	2°26	5°14	15° 7	6°43	25°36	16°54	16°15	15°49	7°55	S 22
S 23	4 5 47	0♐19'33	22°42	19°45	25°12	21° 9	2°40	5°21	15° 4	6°43	25°35	16°53	16°12	15°56	8° 2	S 23
M24	4 9 43	1°20'20	6♌35	19°R54	26°28	21°42	2°53	5°28	15° 2	6°44	25°34	16°51	16° 8	16° 3	8° 9	M24
T 25	4 13 40	2°21'10	20°36	19°53	27°43	22°14	3° 7	5°36	14°59	6°44	25°33	16°50	16° 5	16°10	8°15	T 25
W26	4 17 36	3°22'00	4♍44	19°42	28°59	22°47	3°20	5°43	14°57	6°45	25°32	16°D50	16° 2	16°16	8°22	W26
T 27	4 21 33	4°22'52	18°56	19°20	0♐14	23°19	3°34	5°50	14°55	6°45	25°31	16°50	15°59	16°23	8°28	T 27
F 28	4 25 29	5°23'46	3♎10	18°47	1°30	23°51	3°47	5°57	14°52	6°46	25°30	16°51	15°56	16°30	8°35	F 28
S 29	4 29 26	6°24'41	17°24	18° 3	2°45	24°23	4° 1	6° 4	14°50	6°46	25°29	16°53	15°52	16°36	8°41	S 29
S 30	4 33 23	7♐25'37	1♏35	17♐ 8	4♐ 1	24♍55	4♐14	6♐11	14♉48	6♍46	25♈29	16♏54	15♏49	16♓43	8♎47	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s15	6s 8	3s21	21s32	2s 7	9s26	1n16	9n45	1n35	19s 4	0n39	19s10	1n38	16n19	0s22	9n57	0n49	6s 0	17s11	16s56	17s 3	2s14	4s33	2s39
S 2	14 34	10 46	2 12	21 56	2 12	9 55	1 15	9 33	1 35	19 7	0 39	19 12	1 38	16 18	0 22	9 56	0 49	6 0	17 11	16 55	17 2	2 12	4 36	2 39
M 3	14 53	14 43	0 55	22 18	2 16	10 22	1 13	9 20	1 36	19 10	0 39	19 13	1 37	16 17	0 22	9 56	0 49	6 0	17 11	16 55	17 1	2 10	4 39	2 38
T 4	15 12	17 43	0n24	22 40	2 20	10 50	1 12	9 7	1 36	19 13	0 39	19 14	1 37	16 16	0 22	9 55	0 49	6 0	17 11	16 55	17 0	2 8	4 42	2 38
W 5	15 31	19 34	1 40	23 0	2 24	11 17	1 11	8 55	1 37	19 16	0 39	19 16	1 37	16 16	0 22	9 55	0 49	6 1	17 11	16 55	16 59	2 6	4 45	2 38
T 6	15 49	20 14	2 48	23 19	2 27	11 44	1 9	8 42	1 37	19 19	0 38	19 17	1 37	16 15	0 22	9 55	0 49	6 1	17 11	16 55	16 58	2 3	4 48	2 38
F 7	16 7	19 43	3 45	23 36	2 30	12 11	1 7	8 30	1 38	19 22	0 38	19 19	1 37	16 14	0 22	9 54	0 49	6 1	17 11	16 55	16 58	2 1	4 51	2 38
S 8	16 25	18 12	4 29	23 53	2 32	12 38	1 6	8 17	1 38	19 25	0 38	19 20	1 37	16 14	0 22	9 54	0 49	6 2	17 11	16 56	16 57	1 59	4 54	2 38
S 9	16 43	15 50	4 59	24 8	2 34	13 4	1 4	8 4	1 39	19 28	0 38	19 21	1 37	16 13	0 22	9 54	0 49	6 2	17 10	16 56	16 56	1 57	4 57	2 38
M10	17 0	12 50	5 15	24 21	2 35	13 30	1 2	7 52	1 39	19 31	0 38	19 23	1 37	16 12	0 22	9 53	0 49	6 2	17 10	16 56	16 55	1 55	5 0	2 38
T 11	17 17	9 20	5 16	24 33	2 36	13 55	1 1	7 39	1 40	19 34	0 38	19 24	1 37	16 11	0 22	9 53	0 49	6 2	17 10	16 56	16 54	1 52	5 3	2 38
W12	17 34	5 30	5 4	24 44	2 37	14 21	0 59	7 27	1 40	19 37	0 38	19 25	1 37	16 11	0 22	9 53	0 49	6 2	17 10	16 56	16 53	1 50	5 5	2 38
T 13	17 50	1 29	4 39	24 53	2 36	14 45	0 57	7 14	1 41	19 40	0 38	19 27	1 36	16 10	0 22	9 52	0 49	6 3	17 10	16 56	16 52	1 48	5 8	2 37
F 14	18 6	2n37	4 2	25 1	2 36	15 10	0 55	7 1	1 42	19 43	0 38	19 28	1 36	16 9	0 21	9 52	0 49	6 3	17 10	16 56	16 51	1 46	5 11	2 37
S 15	18 22	6 39	3 14	25 7	2 34	15 34	0 53	6 49	1 42	19 46	0 38	19 30	1 36	16 9	0 21	9 52	0 49	6 3	17 10	16 56	16 50	1 44	5 14	2 37
S 16	18 37	10 29	2 17	25 11	2 31	15 58	0 51	6 36	1 43	19 49	0 37	19 31	1 36	16 8	0 21	9 51	0 50	6 3	17 9	16 56	16 49	1 42	5 17	2 37
M17	18 52	13 55	1 13	25 14	2 28	16 21	0 49	6 24	1 43	19 51	0 37	19 32	1 36	16 7	0 21	9 51	0 50	6 3	17 9	16 56	16 48	1 39	5 19	2 37
T 18	19 7	16 48	0 4	25 15	2 24	16 44	0 47	6 11	1 44	19 54	0 37	19 34	1 36	16 6	0 21	9 51	0 50	6 4	17 9	16 56	16 48	1 37	5 22	2 37
W19	19 22	18 55	1s 7	25 14	2 19	17 6	0 45	5 59	1 44	19 57	0 37	19 35	1 36	16 6	0 21	9 51	0 50	6 4	17 9	16 56	16 47	1 35	5 25	2 37
T 20	19 36	20 4	2 15	25 11	2 12	17 28	0 43	5 46	1 45	20 0	0 37	19 36	1 36	16 5	0 21	9 51	0 50	6 4	17 9	16 56	16 46	1 33	5 28	2 37
F 21	19 49	20 7	3 17	25 6	2 5	17 49	0 41	5 34	1 45	20 3	0 37	19 38	1 36	16 4	0 21	9 50	0 50	6 4	17 8	16 56	16 45	1 31	5 30	2 37
S 22	20 3	19 2	4 10	25 0	1 56	18 10	0 39	5 21	1 46	20 5	0 37	19 39	1 36	16 4	0 21	9 50	0 50	6 4	17 8	16 55	16 44	1 28	5 33	2 37
S 23	20 16	16 50	4 49	24 51	1 46	18 31	0 36	5 9	1 47	20 8	0 37	19 40	1 36	16 3	0 21	9 50	0 50	6 4	17 8	16 55	16 43	1 26	5 36	2 37
M24	20 28	13 39	5 11	24 40	1 34	18 51	0 34	4 56	1 47	20 11	0 37	19 41	1 36	16 2	0 21	9 50	0 50	6 4	17 8	16 54	16 42	1 24	5 38	2 37
T 25	20 40	9 40	5 15	24 27	1 21	19 10	0 32	4 44	1 48	20 13	0 37	19 43	1 36	16 2	0 21	9 50	0 50	6 4	17 8	16 54	16 41	1 22	5 41	2 37
W26	20 52	5 7	5 1	24 12	1 7	19 29	0 30	4 32	1 48	20 16	0 37	19 44	1 36	16 1	0 21	9 50	0 50	6 4	17 7	16 54	16 40	1 20	5 43	2 36
T 27	21 4	0 17	4 28	23 54	0 51	19 48	0 27	4 19	1 49	20 19	0 37	19 45	1 36	16 0	0 21	9 49	0 50	6 5	17 7	16 54	16 39	1 18	5 46	2 36
F 28	21 15	4s36	3 39	23 34	0 33	20 6	0 25	4 7	1 49	20 21	0 36	19 47	1 35	16 0	0 21	9 49	0 50	6 5	17 7	16 54	16 38	1 15	5 48	2 36
S 29	21 25	9 14	2 36	23 12	0 15	20 23	0 23	3 55	1 50	20 24	0 36	19 48	1 35	15 59	0 21	9 49	0 50	6 5	17 7	16 55	16 37	1 13	5 51	2 36
S 30	21s36	13s21	1s24	22s47	0n 5	20s39	0n21	3n43	1n51	20s26	0n36	19s49	1n35	15n58	0s21	9n49	0n50	6s 5	17s 6	16s55	16s37	1s11	5s53	2s36

Julian Day Number = 2306847.5, Delta T = 83.88 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'40, Lahiri = 18°19'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1603
geocentric

DECEMBER 1603 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 37 19	8♐26'35	15♏39	16°R 4	5♐16	25♍27	4♐28	6♐18	14°R46	6♍47	25°R28	16°R54	15♏46	16♓50	8♎53	M 1
T 2	4 41 16	9°27'33	29°34	14♐51	6°32	25°59	4°41	6°25	14♉43	6°47	25♈27	16♏54	15°43	16°56	8°59	T 2
W 3	4 45 12	10°28'33	13♐16	13°33	7°48	26°31	4°55	6°32	14°41	6°47	25°26	16°52	15°40	17° 3	9° 5	W 3
T 4	4 49 9	11°29'34	26°41	12°11	9° 3	27° 2	5° 8	6°39	14°39	6°47	25°26	16°49	15°37	17°10	9°11	T 4
F 5	4 53 5	12°30'35	9♑48	10°48	10°19	27°33	5°21	6°46	14°37	6°48	25°25	16°45	15°33	17°17	9°17	F 5
S 6	4 57 2	13°31'37	22°37	9°27	11°34	28° 5	5°35	6°53	14°35	6°48	25°24	16°41	15°30	17°23	9°23	S 6
S 7	5 0 59	14°32'40	5♒ 8	8°10	12°50	28°36	5°48	7° 0	14°33	6°48	25°23	16°36	15°27	17°30	9°28	S 7
M 8	5 4 55	15°33'44	17°23	7° 1	14° 5	29° 7	6° 2	7° 7	14°31	6°48	25°23	16°32	15°24	17°37	9°34	M 8
T 9	5 8 52	16°34'47	29°26	6° 1	15°21	29°38	6°15	7°14	14°29	6°R48	25°22	16°29	15°21	17°43	9°39	T 9
W10	5 12 48	17°35'52	11♓21	5°10	16°36	0♎ 8	6°29	7°21	14°27	6°48	25°21	16°28	15°18	17°50	9°45	W10
T 11	5 16 45	18°36'56	23°12	4°31	17°52	0°39	6°42	7°28	14°25	6°48	25°21	16°D28	15°14	17°57	9°50	T 11
F 12	5 20 41	19°38'02	5♈ 4	4° 2	19° 7	1° 9	6°55	7°35	14°23	6°48	25°20	16°29	15°11	18° 3	9°55	F 12
S 13	5 24 38	20°39'07	17° 3	3°45	20°23	1°40	7° 9	7°42	14°21	6°48	25°20	16°31	15° 8	18°10	10° 0	S 13
S 14	5 28 34	21°40'13	29°13	3°D38	21°38	2°10	7°22	7°49	14°19	6°48	25°19	16°32	15° 5	18°17	10° 5	S 14
M15	5 32 31	22°41'19	11♉38	3°41	22°54	2°40	7°35	7°56	14°17	6°47	25°18	16°R33	15° 2	18°24	10°10	M15
T 16	5 36 28	23°42'25	24°22	3°53	24° 9	3°10	7°49	8° 3	14°15	6°47	25°18	16°33	14°58	18°30	10°15	T 16
W17	5 40 24	24°43'32	7♊27	4°14	25°25	3°39	8° 2	8°10	14°14	6°47	25°17	16°31	14°55	18°37	10°19	W17
T 18	5 44 21	25°44'39	20°52	4°42	26°40	4° 9	8°15	8°17	14°12	6°47	25°17	16°27	14°52	18°44	10°24	T 18
F 19	5 48 17	26°45'47	4♋37	5°17	27°56	4°38	8°28	8°24	14°10	6°46	25°16	16°22	14°49	18°50	10°28	F 19
S 20	5 52 14	27°46'55	18°38	5°59	29°11	5° 7	8°41	8°31	14° 9	6°46	25°16	16°15	14°46	18°57	10°33	S 20
S 21	5 56 10	28°48'03	2♌50	6°46	0♑27	5°36	8°55	8°37	14° 7	6°46	25°16	16° 8	14°43	19° 4	10°37	S 21
M22	6 0 7	29°49'12	17° 9	7°37	1°42	6° 5	9° 8	8°44	14° 6	6°45	25°15	16° 1	14°39	19°10	10°41	M22
T 23	6 4 3	0♑50'21	1♍29	8°33	2°58	6°34	9°21	8°51	14° 4	6°45	25°15	15°56	14°36	19°17	10°45	T 23
W24	6 8 0	1°51'31	15°46	9°33	4°13	7° 3	9°34	8°58	14° 3	6°44	25°14	15°53	14°33	19°24	10°49	W24
T 25	6 11 57	2°52'41	29°57	10°36	5°29	7°31	9°47	9° 4	14° 1	6°44	25°14	15°D52	14°30	19°31	10°53	T 25
F 26	6 15 53	3°53'51	14♎ 1	11°42	6°44	7°59	10° 0	9°11	14° 0	6°43	25°14	15°52	14°27	19°37	10°57	F 26
S 27	6 19 50	4°55'02	27°56	12°51	8° 0	8°27	10°13	9°18	13°59	6°43	25°13	15°53	14°24	19°44	11° 0	S 27
S 28	6 23 46	5°56'14	11♏42	14° 2	9°15	8°55	10°26	9°24	13°57	6°42	25°13	15°R54	14°20	19°51	11° 4	S 28
M29	6 27 43	6°57'25	25°19	15°15	10°31	9°22	10°38	9°31	13°56	6°42	25°13	15°54	14°17	19°57	11° 7	M29
T 30	6 31 39	7°58'37	8♐46	16°30	11°46	9°50	10°51	9°37	13°55	6°41	25°13	15°51	14°14	20° 4	11°11	T 30
W31	6 35 36	8♑59'49	22♐ 3	17♐46	13♑ 2	10♎17	11♐ 4	9♐44	13♉54	6♍40	25♈12	15♏46	14♏11	20♓11	11♎14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s45	16s40	0s 7	22s21	0n25	20s56	0n18	3n31	1n51	20s29	0n36	19s50	1n35	15n58	0s21	9n49	0n50	6s 5	17s 6	16s55	16s36	1s 9	5s55	2s36
T 2	21 55	18 58	1n 9	21 53	0 45	21 11	0 16	3 18	1 52	20 32	0 36	19 52	1 35	15 57	0 21	9 49	0 50	6 5	17 6	16 55	16 35	1 7	5 58	2 36
W 3	22 4	20 7	2 20	21 23	1 5	21 26	0 13	3 6	1 52	20 34	0 36	19 53	1 35	15 56	0 21	9 49	0 50	6 5	17 6	16 55	16 34	1 4	6 0	2 36
T 4	22 12	20 5	3 21	20 54	1 25	21 40	0 11	2 54	1 53	20 37	0 36	19 54	1 35	15 56	0 21	9 49	0 50	6 5	17 5	16 54	16 33	1 2	6 2	2 36
F 5	22 21	18 57	4 11	20 25	1 43	21 54	0 9	2 42	1 53	20 39	0 36	19 55	1 35	15 55	0 21	9 49	0 50	6 5	17 5	16 53	16 32	1 0	6 5	2 36
S 6	22 28	16 53	4 46	19 56	2 0	22 7	0 6	2 30	1 54	20 41	0 36	19 57	1 35	15 55	0 21	9 49	0 50	6 5	17 5	16 51	16 31	0 58	6 7	2 36
S 7	22 35	14 3	5 7	19 30	2 14	22 19	0 4	2 19	1 55	20 44	0 36	19 58	1 35	15 54	0 21	9 49	0 50	6 5	17 4	16 50	16 30	0 56	6 9	2 36
M 8	22 42	10 41	5 13	19 7	2 27	22 31	0 2	2 7	1 55	20 46	0 36	19 59	1 35	15 53	0 21	9 49	0 50	6 5	17 4	16 49	16 29	0 54	6 11	2 36
T 9	22 49	6 55	5 5	18 47	2 37	22 42	0s 1	1 55	1 56	20 49	0 36	20 0	1 35	15 53	0 21	9 49	0 50	6 5	17 4	16 48	16 28	0 51	6 13	2 36
W10	22 55	2 56	4 44	18 31	2 44	22 52	0 3	1 43	1 56	20 51	0 36	20 1	1 35	15 52	0 21	9 49	0 50	6 5	17 4	16 48	16 27	0 49	6 15	2 36
T 11	23 0	1n 8	4 11	18 18	2 50	23 2	0 6	1 32	1 57	20 53	0 36	20 2	1 35	15 52	0 21	9 49	0 50	6 5	17 3	16 48	16 26	0 47	6 17	2 36
F 12	23 5	5 11	3 27	18 10	2 53	23 11	0 8	1 20	1 58	20 56	0 36	20 4	1 35	15 51	0 21	9 49	0 51	6 5	17 3	16 48	16 25	0 45	6 19	2 36
S 13	23 10	9 5	2 34	18 5	2 55	23 19	0 10	1 9	1 58	20 58	0 35	20 5	1 35	15 51	0 21	9 49	0 51	6 4	17 3	16 48	16 25	0 43	6 21	2 36
S 14	23 14	12 40	1 33	18 4	2 54	23 26	0 13	0 57	1 59	21 0	0 35	20 6	1 35	15 50	0 21	9 49	0 51	6 4	17 2	16 49	16 24	0 41	6 23	2 36
M15	23 17	15 47	0 27	18 6	2 53	23 33	0 15	0 46	1 59	21 2	0 35	20 7	1 35	15 49	0 21	9 49	0 51	6 4	17 2	16 49	16 23	0 38	6 25	2 36
T 16	23 20	18 13	0s42	18 11	2 50	23 39	0 17	0 34	2 0	21 5	0 35	20 8	1 35	15 49	0 21	9 49	0 51	6 4	17 2	16 49	16 22	0 36	6 27	2 36
W17	23 23	19 46	1 51	18 19	2 46	23 44	0 20	0 23	2 1	21 7	0 35	20 9	1 35	15 48	0 21	9 49	0 51	6 4	17 1	16 49	16 21	0 34	6 29	2 36
T 18	23 25	20 15	2 56	18 29	2 41	23 49	0 22	0 12	2 1	21 9	0 35	20 10	1 35	15 48	0 21	9 50	0 51	6 4	17 1	16 48	16 20	0 32	6 31	2 36
F 19	23 27	19 34	3 51	18 41	2 35	23 53	0 24	0 1	2 2	21 11	0 35	20 11	1 35	15 48	0 21	9 50	0 51	6 4	17 1	16 46	16 19	0 30	6 32	2 36
S 20	23 28	17 40	4 34	18 55	2 29	23 56	0 27	0s10	2 2	21 13	0 35	20 12	1 35	15 47	0 21	9 50	0 51	6 4	17 0	16 44	16 18	0 28	6 34	2 36
S 21	23 29	14 41	5 1	19 9	2 22	23 58	0 29	0 21	2 3	21 15	0 35	20 13	1 35	15 47	0 21	9 50	0 51	6 3	17 0	16 42	16 17	0 26	6 36	2 36
M22	23 29	10 49	5 9	19 25	2 14	24 0	0 31	0 32	2 4	21 17	0 35	20 15	1 35	15 46	0 21	9 50	0 51	6 3	17 0	16 40	16 16	0 23	6 37	2 36
T 23	23 29	6 20	4 58	19 42	2 7	24 1	0 33	0 43	2 4	21 19	0 35	20 16	1 35	15 46	0 21	9 50	0 51	6 3	16 59	16 39	16 15	0 21	6 39	2 36
W24	23 29	1 30	4 28	19 58	1 59	24 1	0 36	0 53	2 5	21 21	0 35	20 17	1 35	15 45	0 21	9 51	0 51	6 3	16 59	16 38	16 14	0 19	6 40	2 36
T 25	23 27	3s23	3 42	20 16	1 50	24 0	0 38	1 4	2 5	21 23	0 35	20 18	1 35	15 45	0 21	9 51	0 51	6 3	16 59	16 37	16 13	0 17	6 42	2 36
F 26	23 26	8 3	2 43	20 33	1 42	23 59	0 40	1 15	2 6	21 25	0 35	20 19	1 35	15 45	0 21	9 51	0 51	6 2	16 58	16 37	16 12	0 15	6 43	2 36
S 27	23 24	12 15	1 35	20 50	1 34	23 57	0 42	1 25	2 7	21 27	0 35	20 20	1 35	15 44	0 21	9 51	0 51	6 2	16 58	16 38	16 11	0 13	6 45	2 35
S 28	23 21	15 44	0 23	21 7	1 25	23 54	0 44	1 35	2 7	21 29	0 35	20 21	1 35	15 44	0 21	9 52	0 51	6 2	16 58	16 38	16 10	0 10	6 46	2 35
M29	23 18	18 19	0n50	21 24	1 17	23 50	0 46	1 46	2 8	21 31	0 35	20 22	1 35	15 43	0 21	9 52	0 51	6 2	16 57	16 38	16 10	0 8	6 47	2 35
T 30	23 15	19 50	2 0	21 40	1 8	23 46	0 48	1 56	2 9	21 33	0 35	20 22	1 35	15 43	0 21	9 52	0 51	6 2	16 57	16 37	16 9	0 6	6 49	2 35
W31	23s11	20s14	3n 1	21s56	1n 0	23s41	0s50	2s 6	2n 9	21s35	0n35	20s23	1n35	15n43	0s21	9n52	0n51	6s 1	16s57	16s36	16s 8	0s 4	6s50	2s35

Julian Day Number = 2306877.5, Delta T = 83.78 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'44, Lahiri = 18°19'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

JANUARY 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 39 32	10♉ 1'01	5♉ 8	19♐ 5	14♉17	10♎44	11♐17	9♐50	13°R53	6°R39	25°R12	15°R39	14♏ 8	20♓17	11♎17	T 1
F 2	6 43 29	11° 2'13	18° 0	20°24	15°33	11°10	11°29	9°57	13♉52	6♍39	25♈12	15♏29	14° 4	20°24	11°20	F 2
S 3	6 47 26	12° 3'24	0♒39	21°45	16°48	11°37	11°42	10° 3	13°51	6°38	25°12	15°18	14° 1	20°31	11°23	S 3
S 4	6 51 22	13° 4'35	13° 4	23° 6	18° 4	12° 3	11°55	10° 9	13°50	6°37	25°12	15° 7	13°58	20°38	11°25	S 4
M 5	6 55 19	14° 5'46	25°16	24°29	19°19	12°29	12° 7	10°16	13°49	6°36	25°12	14°56	13°55	20°44	11°28	M 5
T 6	6 59 15	15° 6'56	7♓18	25°53	20°34	12°55	12°19	10°22	13°48	6°35	25°12	14°47	13°52	20°51	11°30	T 6
W 7	7 3 12	16° 8'06	19°11	27°17	21°50	13°20	12°32	10°28	13°47	6°34	25°12	14°41	13°49	20°58	11°33	W 7
T 8	7 7 8	17° 9'15	1♈ 1	28°43	23° 5	13°46	12°44	10°34	13°46	6°34	25°11	14°37	13°45	21° 4	11°35	T 8
F 9	7 11 5	18°10'23	12°51	0♉ 9	24°21	14°11	12°56	10°41	13°46	6°33	25°D11	14°36	13°42	21°11	11°37	F 9
S 10	7 15 1	19°11'31	24°47	1°36	25°36	14°35	13° 9	10°47	13°45	6°32	25°11	14°D36	13°39	21°18	11°39	S 10
S 11	7 18 58	20°12'38	6♉55	3° 4	26°51	15° 0	13°21	10°53	13°44	6°31	25°12	14°36	13°36	21°24	11°41	S 11
M12	7 22 55	21°13'44	19°19	4°32	28° 7	15°24	13°33	10°59	13°44	6°29	25°12	14°R36	13°33	21°31	11°43	M12
T 13	7 26 51	22°14'49	2♊ 5	6° 1	29°22	15°48	13°45	11° 4	13°43	6°28	25°12	14°35	13°30	21°38	11°44	T 13
W14	7 30 48	23°15'54	15°15	7°30	0♒38	16°12	13°57	11°10	13°43	6°27	25°12	14°31	13°26	21°44	11°46	W14
T 15	7 34 44	24°16'57	28°52	9° 0	1°53	16°35	14° 9	11°16	13°42	6°26	25°12	14°25	13°23	21°51	11°47	T 15
F 16	7 38 41	25°18'00	12♋55	10°31	3° 8	16°58	14°21	11°22	13°42	6°25	25°12	14°16	13°20	21°58	11°49	F 16
S 17	7 42 37	26°19'02	27°20	12° 3	4°24	17°21	14°32	11°28	13°42	6°24	25°12	14° 5	13°17	22° 5	11°50	S 17
S 18	7 46 34	27°20'04	12♌ 1	13°35	5°39	17°43	14°44	11°33	13°41	6°23	25°12	13°53	13°14	22°11	11°51	S 18
M19	7 50 30	28°21'04	26°49	15° 7	6°54	18° 6	14°56	11°39	13°41	6°21	25°13	13°42	13°10	22°18	11°52	M19
T 20	7 54 27	29°22'04	11♍36	16°40	8° 9	18°27	15° 7	11°44	13°41	6°20	25°13	13°33	13° 7	22°25	11°52	T 20
W21	7 58 24	0♒23'03	26°15	18°14	9°25	18°49	15°19	11°50	13°41	6°19	25°13	13°27	13° 4	22°31	11°53	W21
T 22	8 2 20	1°24'02	10♎40	19°49	10°40	19°10	15°30	11°55	13°D41	6°18	25°13	13°23	13° 1	22°38	11°54	T 22
F 23	8 6 17	2°25'00	24°48	21°24	11°55	19°31	15°41	12° 1	13°41	6°16	25°14	13°22	12°58	22°45	11°54	F 23
S 24	8 10 13	3°25'57	8♏39	23° 0	13°10	19°52	15°52	12° 6	13°41	6°15	25°14	13°22	12°55	22°51	11°54	S 24
S 25	8 14 10	4°26'54	22°13	24°36	14°26	20°12	16° 4	12°11	13°41	6°14	25°14	13°21	12°51	22°58	11°55	S 25
M26	8 18 6	5°27'50	5♐33	26°13	15°41	20°32	16°15	12°16	13°41	6°12	25°15	13°20	12°48	23° 5	11°R55	M26
T 27	8 22 3	6°28'45	18°39	27°51	16°56	20°51	16°25	12°21	13°42	6°11	25°15	13°16	12°45	23°11	11°55	T 27
W28	8 25 59	7°29'40	1♑34	29°30	18°11	21°10	16°36	12°26	13°42	6°10	25°15	13° 9	12°42	23°18	11°54	W28
T 29	8 29 56	8°30'33	14°18	1♒ 9	19°26	21°29	16°47	12°31	13°42	6° 8	25°16	12°59	12°39	23°25	11°54	T 29
F 30	8 33 53	9°31'26	26°51	2°49	20°42	21°47	16°58	12°36	13°43	6° 7	25°16	12°46	12°36	23°32	11°54	F 30
S 31	8 37 49	10♒32'17	9♒15	4♒30	21♒57	22♎ 5	17♐ 8	12♐41	13♉43	6♍ 5	25♈17	12♏32	12♏32	23♓38	11♎53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 7	19s31	3n52	22s11	0n51	23s35	0s52	2s16	2n10	21s36	0n35	20s24	1n35	15n43	0s21	9n53	0n51	6s 1	16s56	16s33	16s 7	0s 2	6s51	2s35
F 2	23 2	17 48	4 31	22 26	0 43	23 29	0 54	2 26	2 10	21 38	0 35	20 25	1 35	15 42	0 21	9 53	0 51	6 1	16 56	16 31	16 6	0n 0	6 52	2 35
S 3	22 56	15 15	4 55	22 39	0 35	23 21	0 56	2 35	2 11	21 40	0 34	20 26	1 35	15 42	0 21	9 53	0 51	6 0	16 56	16 27	16 5	0 2	6 53	2 35
S 4	22 51	12 4	5 4	22 52	0 26	23 13	0 58	2 45	2 12	21 42	0 34	20 27	1 35	15 42	0 21	9 54	0 51	6 0	16 55	16 24	16 4	0 5	6 55	2 35
M 5	22 44	8 25	4 59	23 4	0 18	23 5	1 0	2 55	2 12	21 43	0 34	20 28	1 35	15 41	0 21	9 54	0 51	6 0	16 55	16 21	16 3	0 7	6 56	2 35
T 6	22 38	4 29	4 41	23 15	0 10	22 55	1 1	3 4	2 13	21 45	0 34	20 29	1 35	15 41	0 20	9 54	0 51	6 0	16 54	16 18	16 2	0 9	6 56	2 35
W 7	22 31	0 26	4 11	23 25	0 3	22 45	1 3	3 13	2 14	21 47	0 34	20 30	1 35	15 41	0 20	9 55	0 51	5 59	16 54	16 17	16 1	0 11	6 57	2 35
T 8	22 23	3n37	3 31	23 34	0s 5	22 34	1 5	3 23	2 14	21 48	0 34	20 31	1 35	15 41	0 20	9 55	0 51	5 59	16 54	16 15	16 0	0 13	6 58	2 35
F 9	22 15	7 33	2 41	23 42	0 13	22 23	1 6	3 32	2 15	21 50	0 34	20 31	1 35	15 41	0 20	9 56	0 52	5 59	16 53	16 15	15 59	0 15	6 59	2 35
S 10	22 7	11 14	1 44	23 49	0 20	22 11	1 8	3 41	2 16	21 51	0 34	20 32	1 35	15 40	0 20	9 56	0 52	5 58	16 53	16 15	15 58	0 17	7 0	2 35
S 11	21 58	14 30	0 41	23 54	0 27	21 58	1 10	3 49	2 16	21 53	0 34	20 33	1 35	15 40	0 20	9 56	0 52	5 58	16 53	16 15	15 57	0 20	7 1	2 35
M12	21 49	17 11	0s25	23 59	0 34	21 44	1 11	3 58	2 17	21 54	0 34	20 34	1 35	15 40	0 20	9 57	0 52	5 58	16 52	16 15	15 56	0 22	7 1	2 35
T 13	21 39	19 7	1 32	24 2	0 41	21 30	1 12	4 7	2 18	21 56	0 34	20 35	1 35	15 40	0 20	9 57	0 52	5 57	16 52	16 15	15 55	0 24	7 2	2 35
W14	21 29	20 6	2 35	24 4	0 48	21 16	1 14	4 15	2 18	21 57	0 34	20 35	1 35	15 40	0 20	9 58	0 52	5 57	16 52	16 14	15 54	0 26	7 2	2 35
T 15	21 18	19 57	3 32	24 5	0 54	21 0	1 15	4 24	2 19	21 59	0 34	20 36	1 35	15 40	0 20	9 58	0 52	5 56	16 51	16 12	15 53	0 28	7 3	2 35
F 16	21 7	18 35	4 18	24 4	1 0	20 44	1 16	4 32	2 20	22 0	0 34	20 37	1 36	15 40	0 20	9 59	0 52	5 56	16 51	16 9	15 52	0 30	7 3	2 35
S 17	20 56	16 1	4 49	24 2	1 6	20 27	1 18	4 40	2 20	22 2	0 34	20 38	1 36	15 40	0 20	9 59	0 52	5 56	16 50	16 6	15 51	0 32	7 4	2 35
S 18	20 44	12 24	5 1	23 59	1 12	20 10	1 19	4 48	2 21	22 3	0 34	20 38	1 36	15 40	0 20	10 0	0 52	5 55	16 50	16 2	15 51	0 34	7 4	2 35
M19	20 32	8 0	4 54	23 55	1 17	19 52	1 20	4 56	2 21	22 4	0 34	20 39	1 36	15 40	0 20	10 0	0 52	5 55	16 50	15 59	15 50	0 37	7 5	2 35
T 20	20 20	3 7	4 26	23 49	1 23	19 34	1 21	5 3	2 22	22 6	0 34	20 40	1 36	15 40	0 20	10 0	0 52	5 54	16 49	15 56	15 49	0 39	7 5	2 35
W21	20 7	1s54	3 42	23 41	1 27	19 15	1 22	5 11	2 23	22 7	0 34	20 40	1 36	15 40	0 20	10 1	0 52	5 54	16 49	15 54	15 48	0 41	7 5	2 35
T 22	19 53	6 44	2 44	23 33	1 32	18 56	1 23	5 18	2 23	22 8	0 34	20 41	1 36	15 40	0 20	10 1	0 52	5 54	16 49	15 53	15 47	0 43	7 5	2 35
F 23	19 40	11 7	1 37	23 22	1 37	18 35	1 24	5 26	2 24	22 9	0 34	20 42	1 36	15 40	0 20	10 2	0 52	5 53	16 48	15 53	15 46	0 45	7 5	2 35
S 24	19 26	14 48	0 25	23 11	1 41	18 15	1 24	5 33	2 25	22 11	0 34	20 42	1 36	15 40	0 20	10 3	0 52	5 53	16 48	15 53	15 45	0 47	7 6	2 35
S 25	19 11	17 37	0n47	22 58	1 45	17 54	1 25	5 40	2 25	22 12	0 34	20 43	1 36	15 40	0 20	10 3	0 52	5 52	16 48	15 53	15 44	0 49	7 6	2 35
M26	18 57	19 24	1 54	22 43	1 48	17 32	1 26	5 47	2 26	22 13	0 34	20 43	1 36	15 40	0 20	10 4	0 52	5 52	16 47	15 52	15 43	0 51	7 6	2 35
T 27	18 42	20 6	2 55	22 27	1 51	17 10	1 27	5 53	2 27	22 14	0 34	20 44	1 36	15 40	0 20	10 4	0 52	5 51	16 47	15 51	15 42	0 54	7 6	2 35
W28	18 26	19 44	3 45	22 10	1 54	16 47	1 27	6 0	2 27	22 15	0 34	20 45	1 36	15 40	0 20	10 5	0 52	5 51	16 47	15 49	15 41	0 56	7 5	2 35
T 29	18 10	18 21	4 23	21 51	1 57	16 24	1 28	6 6	2 28	22 16	0 34	20 45	1 36	15 40	0 20	10 5	0 52	5 50	16 46	15 46	15 40	0 58	7 5	2 35
F 30	17 54	16 7	4 48	21 30	1 59	16 1	1 28	6 12	2 29	22 17	0 34	20 46	1 36	15 40	0 20	10 6	0 52	5 50	16 46	15 42	15 39	1 0	7 5	2 35
S 31	17s38	13s10	4n59	21s 8	2s 1	15s37	1s28	6s18	2n29	22s18	0n34	20s46	1n36	15n40	0s20	10n 6	0n52	5s49	16s45	15s38	15s38	1n 2	7s 5	2s35

Julian Day Number = 2306908.5, Delta T = 83.68 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'49, Lahiri = 18°19'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

FEBRUARY 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 41 46	11♒33'07	21♒29	6♒11	23♒12	22♎22	17♐19	12♐46	13♉44	6°R 4	25♈17	12°R17	12♏29	23♓45	11°R53	S 1
M 2	8 45 42	12°33'55	3♓34	7°53	24°27	22°39	17°29	12°51	13°44	6♍ 2	25°18	12♏ 3	12°26	23°52	11♎52	M 2
T 3	8 49 39	13°34'43	15°31	9°37	25°42	22°56	17°40	12°55	13°45	6° 1	25°18	11°51	12°23	23°58	11°51	T 3
W 4	8 53 35	14°35'28	27°22	11°20	26°57	23°12	17°50	13° 0	13°45	5°59	25°19	11°41	12°20	24° 5	11°50	W 4
T 5	8 57 32	15°36'13	9♈10	13° 5	28°12	23°27	18° 0	13° 4	13°46	5°58	25°19	11°35	12°16	24°12	11°49	T 5
F 6	9 1 28	16°36'55	20°58	14°51	29°27	23°42	18°10	13° 8	13°47	5°56	25°20	11°31	12°13	24°18	11°48	F 6
S 7	9 5 25	17°37'36	2♉52	16°37	0♓42	23°57	18°20	13°13	13°48	5°55	25°21	11°30	12°10	24°25	11°46	S 7
S 8	9 9 22	18°38'16	14°56	18°24	1°57	24°11	18°29	13°17	13°49	5°53	25°21	11°30	12° 7	24°32	11°45	S 8
M 9	9 13 18	19°38'54	27°17	20°12	3°12	24°25	18°39	13°21	13°49	5°51	25°22	11°30	12° 4	24°38	11°43	M 9
T 10	9 17 15	20°39'30	9♊58	22° 0	4°27	24°38	18°49	13°25	13°50	5°50	25°22	11°28	12° 1	24°45	11°41	T 10
W11	9 21 11	21°40'04	23° 6	23°50	5°42	24°51	18°58	13°29	13°51	5°48	25°23	11°25	11°57	24°52	11°40	W11
T 12	9 25 8	22°40'36	6♋42	25°40	6°57	25° 3	19° 7	13°33	13°53	5°47	25°24	11°19	11°54	24°59	11°38	T 12
F 13	9 29 4	23°41'07	20°48	27°31	8°12	25°14	19°17	13°37	13°54	5°45	25°25	11°10	11°51	25° 5	11°36	F 13
S 14	9 33 1	24°41'36	5♌22	29°22	9°27	25°26	19°26	13°41	13°55	5°43	25°25	11° 0	11°48	25°12	11°34	S 14
S 15	9 36 57	25°42'03	20°18	1♓14	10°42	25°36	19°35	13°44	13°56	5°42	25°26	10°49	11°45	25°19	11°31	S 15
M16	9 40 54	26°42'29	5♍26	3° 6	11°56	25°46	19°43	13°48	13°57	5°40	25°27	10°38	11°42	25°25	11°29	M16
T 17	9 44 51	27°42'52	20°36	4°59	13°11	25°55	19°52	13°51	13°59	5°38	25°28	10°29	11°38	25°32	11°27	T 17
W18	9 48 47	28°43'15	5♎38	6°52	14°26	26° 4	20° 1	13°55	14° 0	5°37	25°29	10°22	11°35	25°39	11°24	W18
T 19	9 52 44	29°43'36	20°24	8°44	15°41	26°12	20° 9	13°58	14° 1	5°35	25°29	10°18	11°32	25°45	11°21	T 19
F 20	9 56 40	0♓43'55	4♏48	10°37	16°55	26°20	20°18	14° 1	14° 3	5°33	25°30	10°D17	11°29	25°52	11°19	F 20
S 21	10 0 37	1°44'13	18°49	12°29	18°10	26°27	20°26	14° 4	14° 4	5°32	25°31	10°17	11°26	25°59	11°16	S 21
S 22	10 4 33	2°44'30	2♐26	14°20	19°25	26°33	20°34	14° 7	14° 6	5°30	25°32	10°R17	11°22	26° 5	11°13	S 22
M23	10 8 30	3°44'45	15°42	16°10	20°39	26°39	20°42	14°10	14° 8	5°28	25°33	10°16	11°19	26°12	11°10	M23
T 24	10 12 26	4°44'58	28°39	17°59	21°54	26°44	20°50	14°13	14° 9	5°27	25°34	10°14	11°16	26°19	11° 7	T 24
W25	10 16 23	5°45'10	11♑20	19°46	23° 9	26°48	20°57	14°16	14°11	5°25	25°35	10° 9	11°13	26°25	11° 4	W25
T 26	10 20 20	6°45'21	23°49	21°30	24°23	26°52	21° 5	14°19	14°13	5°23	25°36	10° 1	11°10	26°32	11° 0	T 26
F 27	10 24 16	7°45'30	6♒ 8	23°12	25°38	26°55	21°12	14°21	14°14	5°22	25°37	9°51	11° 7	26°39	10°57	F 27
S 28	10 28 13	8°45'37	18°18	24°50	26°52	26°57	21°20	14°24	14°16	5°20	25°38	9°39	11° 3	26°45	10°54	S 28
S 29	10 32 9	9♓45'42	0♓20	26♓24	28♓ 7	26♎58	21♐27	14♐26	14♉18	5♍18	25♈39	9♏27	11♏ 0	26♓52	10♎50	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s21	9s42	4n56	20s45	2s 3	15s12	1s29	6s24	2n30	22s19	0n34	20s47	1n37	15n41	0s20	10n 7	0n52	5s49	16s45	15s33	15s37	1n 4	7s 4	2s35
M 2	17 4	5 53	4 39	20 19	2 4	14 48	1 29	6 30	2 31	22 20	0 34	20 47	1 37	15 41	0 20	10 7	0 52	5 48	16 45	15 29	15 36	1 6	7 4	2 34
T 3	16 47	1 53	4 10	19 53	2 4	14 22	1 29	6 35	2 31	22 21	0 34	20 48	1 37	15 41	0 20	10 8	0 52	5 48	16 44	15 25	15 35	1 8	7 4	2 34
W 4	16 29	2n10	3 31	19 25	2 5	13 57	1 29	6 41	2 32	22 22	0 34	20 48	1 37	15 41	0 20	10 9	0 52	5 47	16 44	15 22	15 34	1 10	7 3	2 34
T 5	16 11	6 7	2 42	18 55	2 5	13 31	1 29	6 46	2 33	22 23	0 34	20 49	1 37	15 41	0 20	10 9	0 52	5 47	16 44	15 20	15 33	1 13	7 3	2 34
F 6	15 53	9 51	1 46	18 23	2 4	13 5	1 29	6 51	2 33	22 24	0 34	20 49	1 37	15 42	0 20	10 10	0 52	5 46	16 43	15 19	15 32	1 15	7 2	2 34
S 7	15 35	13 12	0 46	17 51	2 3	12 38	1 29	6 56	2 34	22 25	0 34	20 50	1 37	15 42	0 20	10 10	0 52	5 46	16 43	15 19	15 31	1 17	7 2	2 34
S 8	15 16	16 4	0s18	17 16	2 1	12 11	1 29	7 0	2 34	22 26	0 34	20 50	1 37	15 42	0 20	10 11	0 52	5 45	16 43	15 19	15 30	1 19	7 1	2 34
M 9	14 57	18 15	1 23	16 40	1 59	11 44	1 29	7 5	2 35	22 27	0 34	20 51	1 37	15 43	0 20	10 12	0 52	5 45	16 42	15 19	15 29	1 21	7 0	2 34
T 10	14 38	19 36	2 25	16 3	1 57	11 16	1 28	7 9	2 36	22 27	0 34	20 51	1 37	15 43	0 20	10 12	0 52	5 44	16 42	15 18	15 28	1 23	6 59	2 34
W11	14 19	19 57	3 21	15 24	1 54	10 48	1 28	7 13	2 36	22 28	0 34	20 51	1 37	15 43	0 20	10 13	0 52	5 44	16 42	15 17	15 27	1 25	6 59	2 34
T 12	13 59	19 11	4 9	14 43	1 50	10 20	1 28	7 17	2 37	22 29	0 34	20 52	1 37	15 44	0 20	10 13	0 52	5 43	16 41	15 15	15 26	1 27	6 58	2 34
F 13	13 39	17 13	4 43	14 1	1 46	9 51	1 27	7 21	2 37	22 30	0 34	20 52	1 38	15 44	0 20	10 14	0 52	5 43	16 41	15 13	15 25	1 29	6 57	2 34
S 14	13 19	14 7	5 0	13 18	1 42	9 23	1 26	7 24	2 38	22 31	0 34	20 52	1 38	15 44	0 20	10 15	0 52	5 42	16 41	15 9	15 24	1 31	6 56	2 33
S 15	12 59	10 3	4 57	12 33	1 36	8 54	1 26	7 27	2 38	22 31	0 34	20 53	1 38	15 45	0 19	10 15	0 52	5 42	16 40	15 6	15 23	1 33	6 55	2 33
M16	12 38	5 17	4 34	11 47	1 30	8 25	1 25	7 31	2 39	22 32	0 34	20 53	1 38	15 45	0 19	10 16	0 52	5 41	16 40	15 3	15 22	1 36	6 54	2 33
T 17	12 18	0 11	3 51	11 0	1 24	7 55	1 24	7 33	2 39	22 33	0 34	20 53	1 38	15 45	0 19	10 17	0 52	5 40	16 40	15 0	15 21	1 38	6 53	2 33
W18	11 57	4s53	2 53	10 12	1 17	7 25	1 24	7 36	2 40	22 33	0 34	20 54	1 38	15 46	0 19	10 17	0 53	5 40	16 40	14 58	15 20	1 40	6 52	2 33
T 19	11 35	9 35	1 44	9 22	1 9	6 56	1 23	7 39	2 41	22 34	0 34	20 54	1 38	15 46	0 19	10 18	0 53	5 39	16 39	14 56	15 19	1 42	6 51	2 33
F 20	11 14	13 36	0 29	8 32	1 0	6 26	1 22	7 41	2 41	22 34	0 34	20 54	1 38	15 47	0 19	10 18	0 53	5 39	16 39	14 56	15 18	1 44	6 49	2 33
S 21	10 53	16 44	0n45	7 41	0 51	5 55	1 21	7 43	2 41	22 35	0 34	20 55	1 38	15 47	0 19	10 19	0 53	5 38	16 39	14 56	15 17	1 46	6 48	2 33
S 22	10 31	18 49	1 55	6 49	0 42	5 25	1 20	7 45	2 42	22 36	0 34	20 55	1 38	15 48	0 19	10 20	0 53	5 38	16 38	14 56	15 16	1 48	6 47	2 32
M23	10 9	19 47	2 57	5 57	0 31	4 55	1 18	7 46	2 42	22 36	0 34	20 55	1 38	15 48	0 19	10 20	0 53	5 37	16 38	14 56	15 15	1 50	6 46	2 32
T 24	9 47	19 41	3 48	5 4	0 20	4 24	1 17	7 48	2 43	22 37	0 34	20 55	1 39	15 49	0 19	10 21	0 53	5 36	16 38	14 55	15 15	1 52	6 44	2 32
W25	9 25	18 35	4 26	4 12	0 9	3 53	1 16	7 49	2 43	22 37	0 34	20 56	1 39	15 49	0 19	10 22	0 53	5 36	16 38	14 53	15 14	1 54	6 43	2 32
T 26	9 3	16 36	4 52	3 20	0n 3	3 23	1 15	7 50	2 44	22 38	0 34	20 56	1 39	15 50	0 19	10 22	0 53	5 35	16 37	14 51	15 13	1 56	6 41	2 32
F 27	8 41	13 53	5 3	2 28	0 16	2 52	1 13	7 51	2 44	22 38	0 34	20 56	1 39	15 50	0 19	10 23	0 53	5 35	16 37	14 48	15 12	1 58	6 40	2 32
S 28	8 18	10 37	5 0	1 37	0 29	2 21	1 12	7 51	2 44	22 39	0 34	20 56	1 39	15 51	0 19	10 23	0 53	5 34	16 37	14 44	15 11	2 1	6 38	2 31
S 29	7s55	6s57	4n44	0s47	0n42	1s50	1s10	7s51	2n45	22s39	0n34	20s56	1n39	15n52	0s19	10n24	0n53	5s33	16s36	14s40	15s10	2n 3	6s37	2s31

Julian Day Number = 2306939.5, Delta T = 83.57 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'53, Lahiri = 18°19'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

MARCH 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 36 6	10♓45'45	12♓17	27♓54	29♓21	26♎59	21♐34	14♐29	14♉20	5°R17	25♈40	9°R15	10♏57	26♓59	10°R46	M 1
T 2	10 40 2	11°45'47	24° 9	29°19	0♈35	26°R59	21°41	14°31	14°22	5♍15	25°41	9♏ 6	10°54	27° 6	10♎43	T 2
W 3	10 43 59	12°45'46	5♈58	0♈38	1°50	26°58	21°47	14°33	14°24	5°13	25°42	8°58	10°51	27°12	10°39	W 3
T 4	10 47 55	13°45'44	17°46	1°52	3° 4	26°57	21°54	14°35	14°26	5°12	25°43	8°53	10°47	27°19	10°35	T 4
F 5	10 51 52	14°45'39	29°36	2°58	4°19	26°55	22° 0	14°37	14°28	5°10	25°44	8°50	10°44	27°26	10°31	F 5
S 6	10 55 49	15°45'32	11♉31	3°58	5°33	26°52	22° 6	14°39	14°30	5° 8	25°45	8°D50	10°41	27°32	10°27	S 6
S 7	10 59 45	16°45'23	23°36	4°50	6°47	26°48	22°12	14°40	14°32	5° 7	25°46	8°51	10°38	27°39	10°23	S 7
M 8	11 3 42	17°45'12	5♊55	5°35	8° 1	26°43	22°18	14°42	14°35	5° 5	25°47	8°52	10°35	27°46	10°19	M 8
T 9	11 7 38	18°44'59	18°32	6°11	9°15	26°38	22°24	14°44	14°37	5° 4	25°48	8°R53	10°32	27°52	10°15	T 9
W10	11 11 35	19°44'43	1♋34	6°39	10°30	26°32	22°30	14°45	14°39	5° 2	25°50	8°52	10°28	27°59	10°11	W10
T 11	11 15 31	20°44'25	15° 3	6°59	11°44	26°25	22°35	14°46	14°42	5° 0	25°51	8°49	10°25	28° 6	10° 6	T 11
F 12	11 19 28	21°44'05	29° 1	7°11	12°58	26°18	22°40	14°48	14°44	4°59	25°52	8°45	10°22	28°12	10° 2	F 12
S 13	11 23 24	22°43'43	13♌28	7°R14	14°12	26° 9	22°46	14°49	14°46	4°57	25°53	8°38	10°19	28°19	9°58	S 13
S 14	11 27 21	23°43'18	28°21	7° 9	15°26	26° 0	22°51	14°50	14°49	4°56	25°54	8°32	10°16	28°26	9°53	S 14
M15	11 31 17	24°42'51	13♍30	6°56	16°40	25°50	22°55	14°51	14°51	4°54	25°55	8°25	10°13	28°32	9°49	M15
T 16	11 35 14	25°42'22	28°48	6°36	17°54	25°40	23° 0	14°52	14°54	4°52	25°57	8°19	10° 9	28°39	9°44	T 16
W17	11 39 11	26°41'50	14♎ 3	6° 9	19° 7	25°28	23° 4	14°52	14°56	4°51	25°58	8°15	10° 6	28°46	9°40	W17
T 18	11 43 7	27°41'17	29° 4	5°35	20°21	25°16	23° 9	14°53	14°59	4°49	25°59	8°13	10° 3	28°52	9°35	T 18
F 19	11 47 4	28°40'42	13♏45	4°57	21°35	25° 4	23°13	14°54	15° 2	4°48	26° 0	8°D13	10° 0	28°59	9°31	F 19
S 20	11 51 0	29°40'06	28° 0	4°13	22°49	24°50	23°17	14°54	15° 4	4°46	26° 2	8°14	9°57	29° 6	9°26	S 20
S 21	11 54 57	0♈39'27	11♐49	3°27	24° 2	24°36	23°21	14°54	15° 7	4°45	26° 3	8°15	9°53	29°12	9°21	S 21
M22	11 58 53	1°38'47	25°12	2°37	25°16	24°21	23°24	14°55	15°10	4°43	26° 4	8°16	9°50	29°19	9°17	M22
T 23	12 2 50	2°38'05	8♑11	1°47	26°30	24° 5	23°28	14°55	15°12	4°42	26° 5	8°R16	9°47	29°26	9°12	T 23
W24	12 6 46	3°37'21	20°50	0°55	27°43	23°49	23°31	14°R55	15°15	4°41	26° 7	8°15	9°44	29°32	9° 7	W24
T 25	12 10 43	4°36'36	3♒13	0° 5	28°57	23°32	23°34	14°55	15°18	4°39	26° 8	8°12	9°41	29°39	9° 2	T 25
F 26	12 14 40	5°35'48	15°23	29♓16	0♉10	23°14	23°37	14°55	15°21	4°38	26° 9	8° 8	9°38	29°46	8°58	F 26
S 27	12 18 36	6°34'59	27°24	28°29	1°24	22°56	23°39	14°54	15°24	4°36	26°11	8° 2	9°34	29°52	8°53	S 27
S 28	12 22 33	7°34'08	9♓19	27°46	2°37	22°37	23°42	14°54	15°27	4°35	26°12	7°57	9°31	29°59	8°48	S 28
M29	12 26 29	8°33'14	21°10	27° 7	3°51	22°18	23°44	14°54	15°29	4°34	26°13	7°51	9°28	0♈ 6	8°43	M29
T 30	12 30 26	9°32'19	2♈59	26°32	5° 4	21°58	23°46	14°53	15°32	4°32	26°15	7°47	9°25	0°13	8°38	T 30
W31	12 34 22	10♈31'22	14♈48	26♓ 1	6♉17	21♎38	23♐48	14♐52	15♉35	4♍31	26♈16	7♏43	9♏22	0♈19	8♎34	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s33	3s 2	4n15	0n 1	0n56	1s18	1s 9	7s51	2n45	22s40	0n34	20s56	1n39	15n52	0s19	10n25	0n53	5s33	16s36	14s37	15s 9	2n 5	6s35	2s31
T 2	7 10	0n58	3 36	0 47	1 9	0 47	1 7	7 51	2 45	22 40	0 34	20 57	1 39	15 53	0 19	10 25	0 53	5 32	16 36	14 33	15 8	2 7	6 34	2 31
W 3	6 47	4 55	2 47	1 31	1 23	0 16	1 5	7 51	2 45	22 41	0 34	20 57	1 39	15 53	0 19	10 26	0 53	5 32	16 36	14 31	15 7	2 9	6 32	2 31
T 4	6 24	8 41	1 51	2 13	1 37	0n15	1 4	7 50	2 45	22 41	0 34	20 57	1 40	15 54	0 19	10 27	0 53	5 31	16 35	14 29	15 6	2 11	6 30	2 30
F 5	6 1	12 7	0 50	2 52	1 50	0 46	1 2	7 49	2 46	22 41	0 34	20 57	1 40	15 55	0 19	10 27	0 53	5 30	16 35	14 29	15 5	2 13	6 28	2 30
S 6	5 38	15 5	0s14	3 28	2 4	1 17	1 0	7 48	2 46	22 42	0 34	20 57	1 40	15 55	0 19	10 28	0 53	5 30	16 35	14 28	15 4	2 15	6 27	2 30
S 7	5 14	17 26	1 19	4 1	2 16	1 49	0 58	7 46	2 46	22 42	0 34	20 57	1 40	15 56	0 19	10 28	0 53	5 29	16 35	14 29	15 3	2 17	6 25	2 30
M 8	4 51	19 2	2 21	4 30	2 29	2 20	0 56	7 45	2 46	22 42	0 34	20 57	1 40	15 57	0 19	10 29	0 53	5 29	16 35	14 29	15 2	2 19	6 23	2 30
T 9	4 28	19 43	3 17	4 55	2 40	2 51	0 54	7 43	2 46	22 43	0 34	20 57	1 40	15 57	0 19	10 30	0 53	5 28	16 34	14 29	15 1	2 21	6 21	2 29
W10	4 4	19 23	4 6	5 16	2 51	3 22	0 52	7 41	2 46	22 43	0 34	20 57	1 40	15 58	0 19	10 30	0 53	5 27	16 34	14 29	15 0	2 23	6 19	2 29
T 11	3 41	17 57	4 43	5 33	3 1	3 53	0 50	7 38	2 46	22 43	0 34	20 57	1 40	15 59	0 19	10 31	0 53	5 27	16 34	14 28	14 59	2 25	6 17	2 29
F 12	3 17	15 26	5 4	5 45	3 10	4 24	0 48	7 36	2 46	22 44	0 34	20 57	1 40	15 59	0 19	10 31	0 53	5 26	16 34	14 27	14 58	2 27	6 15	2 29
S 13	2 54	11 54	5 7	5 53	3 17	4 55	0 45	7 33	2 45	22 44	0 34	20 57	1 41	16 0	0 19	10 32	0 53	5 26	16 33	14 25	14 57	2 29	6 13	2 28
S 14	2 30	7 32	4 51	5 57	3 23	5 25	0 43	7 30	2 45	22 44	0 34	20 57	1 41	16 1	0 19	10 32	0 53	5 25	16 33	14 22	14 56	2 32	6 12	2 28
M15	2 6	2 36	4 13	5 56	3 27	5 56	0 41	7 27	2 45	22 44	0 34	20 57	1 41	16 2	0 19	10 33	0 53	5 24	16 33	14 20	14 55	2 34	6 9	2 28
T 16	1 43	2s32	3 17	5 50	3 30	6 26	0 39	7 23	2 45	22 45	0 34	20 57	1 41	16 2	0 19	10 34	0 53	5 24	16 33	14 18	14 54	2 36	6 7	2 27
W17	1 19	7 30	2 7	5 41	3 31	6 57	0 36	7 19	2 44	22 45	0 34	20 57	1 41	16 3	0 19	10 34	0 53	5 23	16 33	14 17	14 53	2 38	6 5	2 27
T 18	0 55	11 56	0 50	5 27	3 31	7 27	0 34	7 15	2 44	22 45	0 34	20 57	1 41	16 4	0 19	10 35	0 53	5 23	16 33	14 17	14 52	2 40	6 3	2 27
F 19	0 32	15 31	0n30	5 9	3 28	7 57	0 31	7 11	2 43	22 45	0 34	20 57	1 41	16 5	0 19	10 35	0 53	5 22	16 32	14 16	14 51	2 42	6 1	2 27
S 20	0 8	18 2	1 46	4 48	3 24	8 27	0 29	7 7	2 43	22 46	0 34	20 57	1 41	16 6	0 19	10 36	0 53	5 22	16 32	14 17	14 50	2 44	5 59	2 26
S 21	0n16	19 24	2 53	4 24	3 18	8 56	0 26	7 2	2 42	22 46	0 34	20 57	1 41	16 6	0 19	10 36	0 53	5 21	16 32	14 17	14 49	2 46	5 57	2 26
M22	0 39	19 36	3 48	3 57	3 10	9 26	0 24	6 57	2 41	22 46	0 34	20 57	1 41	16 7	0 19	10 37	0 53	5 20	16 32	14 18	14 48	2 48	5 55	2 26
T 23	1 3	18 44	4 30	3 28	3 1	9 55	0 21	6 52	2 41	22 46	0 34	20 57	1 42	16 8	0 19	10 37	0 53	5 20	16 32	14 18	14 47	2 50	5 53	2 25
W24	1 27	16 58	4 58	2 58	2 50	10 24	0 19	6 47	2 40	22 46	0 34	20 57	1 42	16 9	0 19	10 38	0 53	5 19	16 32	14 17	14 46	2 52	5 50	2 25
T 25	1 50	14 26	5 11	2 27	2 38	10 53	0 16	6 42	2 39	22 46	0 34	20 57	1 42	16 10	0 19	10 38	0 53	5 19	16 31	14 16	14 45	2 54	5 48	2 25
F 26	2 14	11 19	5 9	1 55	2 24	11 21	0 13	6 36	2 38	22 47	0 34	20 57	1 42	16 10	0 19	10 39	0 53	5 18	16 31	14 15	14 44	2 56	5 46	2 24
S 27	2 37	7 47	4 54	1 23	2 10	11 49	0 10	6 30	2 37	22 47	0 34	20 57	1 42	16 11	0 19	10 39	0 53	5 17	16 31	14 13	14 43	2 58	5 44	2 24
S 28	3 1	3 58	4 27	0 52	1 55	12 17	0 8	6 24	2 36	22 47	0 34	20 56	1 42	16 12	0 19	10 40	0 53	5 17	16 31	14 11	14 42	3 0	5 42	2 24
M29	3 24	0 1	3 48	0 22	1 39	12 45	0 5	6 18	2 35	22 47	0 34	20 56	1 42	16 13	0 19	10 40	0 53	5 16	16 31	14 9	14 41	3 2	5 39	2 23
T 30	3 47	3n55	2 59	0s 6	1 24	13 12	0 2	6 12	2 33	22 47	0 34	20 56	1 42	16 14	0 19	10 41	0 53	5 16	16 31	14 8	14 40	3 4	5 37	2 23
W31	4n10	7n43	2n 2	0s33	1n 8	13n39	0n 1	6s 6	2n32	22s47	0n33	20s56	1n42	16n15	0s19	10n41	0n53	5s15	16s31	14s 7	14s39	3n 6	5s35	2s22

Julian Day Number = 2306968.5, Delta T = 83.47 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°12'57, Lahiri = 18°19'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

APRIL 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 38 19	11♈30'23	26♈39	25°R36	7♉30	21°R17	23♐50	14°R52	15♉38	4°R30	26♈17	7°R41	9♏19	0♈26	8°R29	T 1
F 2	12 42 15	12°29'21	8♉35	25♓16	8°44	20♎56	23°52	14♐51	15°41	4♍29	26°19	7°D41	9°15	0°33	8♎24	F 2
S 3	12 46 12	13°28'18	20°37	25° 2	9°57	20°34	23°53	14°50	15°44	4°27	26°20	7♏42	9°12	0°39	8°19	S 3
S 4	12 50 9	14°27'12	2♊49	24°52	11°10	20°12	23°54	14°49	15°48	4°26	26°21	7°43	9° 9	0°46	8°15	S 4
M 5	12 54 5	15°26'04	15°14	24°D49	12°23	19°50	23°55	14°48	15°51	4°25	26°23	7°45	9° 6	0°53	8°10	M 5
T 6	12 58 2	16°24'54	27°55	24°50	13°36	19°28	23°56	14°47	15°54	4°24	26°24	7°46	9° 3	0°59	8° 5	T 6
W 7	13 1 58	17°23'42	10♋55	24°57	14°49	19° 5	23°57	14°45	15°57	4°23	26°25	7°47	8°59	1° 6	8° 0	W 7
T 8	13 5 55	18°22'27	24°19	25° 9	16° 2	18°43	23°57	14°44	16° 0	4°22	26°27	7°R47	8°56	1°13	7°56	T 8
F 9	13 9 51	19°21'10	8♌ 7	25°26	17°15	18°20	23°58	14°42	16° 3	4°20	26°28	7°46	8°53	1°19	7°51	F 9
S 10	13 13 48	20°19'51	22°21	25°48	18°28	17°57	23°R58	14°41	16° 7	4°19	26°29	7°44	8°50	1°26	7°47	S 10
S 11	13 17 44	21°18'29	6♍57	26°14	19°40	17°34	23°58	14°39	16°10	4°18	26°31	7°42	8°47	1°33	7°42	S 11
M12	13 21 41	22°17'06	21°52	26°44	20°53	17°12	23°57	14°37	16°13	4°17	26°32	7°40	8°44	1°39	7°37	M12
T 13	13 25 37	23°15'40	6♎59	27°18	22° 6	16°49	23°57	14°36	16°16	4°16	26°34	7°39	8°40	1°46	7°33	T 13
W14	13 29 34	24°14'12	22° 8	27°57	23°18	16°26	23°56	14°34	16°20	4°15	26°35	7°38	8°37	1°53	7°29	W14
T 15	13 33 31	25°12'42	7♏10	28°39	24°31	16° 4	23°56	14°32	16°23	4°14	26°36	7°D37	8°34	1°59	7°24	T 15
F 16	13 37 27	26°11'10	21°57	29°25	25°43	15°42	23°55	14°29	16°26	4°14	26°38	7°38	8°31	2° 6	7°20	F 16
S 17	13 41 24	27° 9'37	6♐22	0♈14	26°56	15°20	23°53	14°27	16°29	4°13	26°39	7°38	8°28	2°13	7°16	S 17
S 18	13 45 20	28° 8'02	20°20	1° 7	28° 8	14°58	23°52	14°25	16°33	4°12	26°41	7°39	8°24	2°19	7°11	S 18
M19	13 49 17	29° 6'26	3♑53	2° 2	29°20	14°37	23°50	14°23	16°36	4°11	26°42	7°40	8°21	2°26	7° 7	M19
T 20	13 53 13	0♉ 4'47	16°59	3° 1	0♊32	14°16	23°49	14°20	16°40	4°10	26°43	7°41	8°18	2°33	7° 3	T 20
W21	13 57 10	1° 3'08	29°42	4° 3	1°45	13°55	23°47	14°18	16°43	4° 9	26°45	7°R41	8°15	2°39	6°59	W21
T 22	14 1 6	2° 1'26	12♒ 6	5° 7	2°57	13°35	23°44	14°15	16°46	4° 9	26°46	7°41	8°12	2°46	6°55	T 22
F 23	14 5 3	2°59'43	24°15	6°14	4° 9	13°15	23°42	14°12	16°50	4° 8	26°47	7°40	8° 9	2°53	6°51	F 23
S 24	14 9 0	3°57'59	6♓13	7°24	5°21	12°56	23°40	14° 9	16°53	4° 7	26°49	7°40	8° 5	2°59	6°47	S 24
S 25	14 12 56	4°56'13	18° 5	8°36	6°33	12°38	23°37	14° 7	16°57	4° 7	26°50	7°40	8° 2	3° 6	6°43	S 25
M26	14 16 53	5°54'25	29°53	9°50	7°45	12°20	23°34	14° 4	17° 0	4° 6	26°52	7°39	7°59	3°13	6°39	M26
T 27	14 20 49	6°52'36	11♈42	11° 7	8°57	12° 2	23°31	14° 1	17° 3	4° 5	26°53	7°39	7°56	3°19	6°36	T 27
W28	14 24 46	7°50'45	23°34	12°26	10° 8	11°46	23°28	13°58	17° 7	4° 5	26°54	7°D39	7°53	3°26	6°32	W28
T 29	14 28 42	8°48'52	5♉32	13°48	11°20	11°29	23°24	13°54	17°10	4° 4	26°56	7°R39	7°50	3°33	6°29	T 29
F 30	14 32 39	9♉46'58	17♉37	15♈11	12♊32	11♎14	23♐21	13♐51	17♉14	4♍ 4	26♈57	7♏39	7♏46	3♈39	6♎25	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n34	11n14	1n 0	0s58	0n51	14n 6	0n 3	5s59	2n31	22s47	0n33	20s56	1n42	16n16	0s18	10n42	0n53	5s15	16s31	14s 6	14s38	3n 8	5s33	2s22
F 2	4 57	14 19	0s 5	1 21	0 35	14 32	0 6	5 53	2 29	22 47	0 33	20 56	1 43	16 17	0 18	10 42	0 53	5 14	16 30	14 6	14 36	3 10	5 30	2 22
S 3	5 20	16 48	1 11	1 41	0 20	14 58	0 9	5 46	2 28	22 47	0 33	20 55	1 43	16 17	0 18	10 43	0 53	5 14	16 30	14 6	14 35	3 12	5 28	2 21
S 4	5 43	18 34	2 14	1 58	0 4	15 24	0 12	5 39	2 26	22 47	0 33	20 55	1 43	16 18	0 18	10 43	0 53	5 13	16 30	14 7	14 34	3 14	5 26	2 21
M 5	6 5	19 29	3 13	2 14	0s11	15 49	0 15	5 33	2 24	22 48	0 33	20 55	1 43	16 19	0 18	10 44	0 53	5 12	16 30	14 7	14 33	3 16	5 24	2 20
T 6	6 28	19 25	4 3	2 26	0 25	16 14	0 18	5 26	2 23	22 48	0 33	20 55	1 43	16 20	0 18	10 44	0 53	5 12	16 30	14 8	14 32	3 18	5 21	2 20
W 7	6 51	18 21	4 42	2 36	0 39	16 39	0 20	5 19	2 21	22 48	0 33	20 55	1 43	16 21	0 18	10 44	0 53	5 11	16 30	14 8	14 31	3 20	5 19	2 20
T 8	7 13	16 15	5 7	2 44	0 52	17 3	0 23	5 12	2 19	22 48	0 33	20 54	1 43	16 22	0 18	10 45	0 53	5 11	16 30	14 8	14 30	3 22	5 17	2 19
F 9	7 35	13 11	5 16	2 48	1 5	17 26	0 26	5 6	2 17	22 48	0 33	20 54	1 43	16 23	0 18	10 45	0 53	5 10	16 30	14 8	14 29	3 24	5 15	2 19
S 10	7 58	9 16	5 6	2 51	1 17	17 49	0 29	4 59	2 15	22 48	0 33	20 54	1 43	16 24	0 18	10 46	0 53	5 10	16 30	14 7	14 28	3 26	5 13	2 18
S 11	8 20	4 42	4 36	2 51	1 28	18 12	0 32	4 52	2 13	22 48	0 33	20 53	1 43	16 25	0 18	10 46	0 53	5 9	16 30	14 7	14 27	3 29	5 10	2 18
M12	8 42	0s15	3 47	2 48	1 38	18 34	0 35	4 45	2 11	22 48	0 33	20 53	1 43	16 26	0 18	10 46	0 53	5 9	16 30	14 6	14 26	3 31	5 8	2 18
T 13	9 3	5 15	2 42	2 44	1 48	18 56	0 38	4 39	2 9	22 48	0 33	20 53	1 44	16 27	0 18	10 47	0 53	5 8	16 30	14 5	14 25	3 33	5 6	2 17
W14	9 25	9 57	1 25	2 37	1 57	19 18	0 41	4 32	2 6	22 48	0 33	20 53	1 44	16 28	0 18	10 47	0 53	5 8	16 30	14 5	14 24	3 35	5 4	2 17
T 15	9 46	13 58	0 3	2 28	2 6	19 38	0 43	4 26	2 4	22 48	0 33	20 52	1 44	16 29	0 18	10 47	0 52	5 7	16 30	14 5	14 23	3 37	5 2	2 16
F 16	10 8	17 2	1n19	2 16	2 14	19 59	0 46	4 19	2 2	22 48	0 33	20 52	1 44	16 30	0 18	10 48	0 52	5 7	16 30	14 5	14 22	3 39	4 59	2 16
S 17	10 29	18 54	2 33	2 3	2 21	20 18	0 49	4 13	1 59	22 48	0 33	20 52	1 44	16 31	0 18	10 48	0 52	5 6	16 30	14 5	14 21	3 41	4 57	2 15
S 18	10 50	19 33	3 36	1 48	2 27	20 38	0 52	4 7	1 57	22 48	0 33	20 51	1 44	16 32	0 18	10 48	0 52	5 6	16 30	14 6	14 20	3 43	4 55	2 15
M19	11 11	19 2	4 24	1 31	2 33	20 56	0 55	4 1	1 54	22 48	0 33	20 51	1 44	16 33	0 18	10 49	0 52	5 5	16 30	14 6	14 19	3 45	4 53	2 14
T 20	11 31	17 30	4 57	1 12	2 38	21 15	0 58	3 55	1 52	22 47	0 33	20 51	1 44	16 34	0 18	10 49	0 52	5 5	16 30	14 6	14 18	3 47	4 51	2 14
W21	11 52	15 8	5 14	0 52	2 42	21 32	1 0	3 49	1 49	22 47	0 33	20 50	1 44	16 35	0 18	10 49	0 52	5 4	16 30	14 6	14 17	3 49	4 49	2 13
T 22	12 12	12 8	5 17	0 30	2 46	21 49	1 3	3 44	1 47	22 47	0 33	20 50	1 44	16 36	0 18	10 49	0 52	5 4	16 30	14 6	14 16	3 51	4 47	2 13
F 23	12 32	8 41	5 4	0 6	2 49	22 6	1 6	3 39	1 44	22 47	0 33	20 50	1 44	16 36	0 18	10 50	0 52	5 3	16 30	14 6	14 15	3 53	4 45	2 12
S 24	12 52	4 55	4 39	0n19	2 51	22 22	1 8	3 34	1 41	22 47	0 33	20 49	1 44	16 37	0 18	10 50	0 52	5 3	16 30	14 6	14 14	3 55	4 43	2 12
S 25	13 12	1 1	4 2	0 46	2 53	22 37	1 11	3 29	1 39	22 47	0 33	20 49	1 44	16 38	0 18	10 50	0 52	5 3	16 30	14 6	14 13	3 57	4 41	2 11
M26	13 31	2n56	3 15	1 14	2 54	22 51	1 14	3 24	1 36	22 47	0 33	20 48	1 44	16 39	0 18	10 50	0 52	5 2	16 30	14 6	14 12	3 59	4 39	2 11
T 27	13 50	6 46	2 19	1 44	2 54	23 6	1 16	3 20	1 33	22 47	0 33	20 48	1 44	16 40	0 18	10 50	0 52	5 2	16 30	14 5	14 11	4 1	4 37	2 10
W28	14 9	10 22	1 18	2 15	2 54	23 19	1 19	3 16	1 31	22 47	0 33	20 48	1 45	16 41	0 18	10 51	0 52	5 1	16 30	14 5	14 10	4 3	4 35	2 10
T 29	14 28	13 35	0 12	2 47	2 54	23 32	1 21	3 12	1 28	22 47	0 33	20 47	1 45	16 42	0 18	10 51	0 52	5 1	16 30	14 5	14 9	4 5	4 33	2 9
F 30	14n47	16n14	0s55	3n20	2s52	23n44	1n24	3s 9	1n25	22s46	0n33	20s47	1n45	16n43	0s18	10n51	0n52	5s 0	16s30	14s 5	14s 8	4n 7	4s31	2s 9

Julian Day Number = 2306999.5, Delta T = 83.37 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'01, Lahiri = 18°20'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

MAY 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 36 35	10♉45'02	29♉52	16♈37	13♊43	10°R59	23°R17	13°R48	17♉17	4°R 3	26♈58	7°R39	7♏43	3♈46	6°R22	S 1
S 2	14 40 32	11°43'05	12♊18	18° 5	14°55	10♎45	23♐13	13♐45	17°21	4♍ 3	27° 0	7♏39	7°40	3°53	6♎18	S 2
M 3	14 44 29	12°41'06	24°57	19°35	16° 6	10°32	23° 9	13°41	17°24	4° 3	27° 1	7°38	7°37	3°59	6°15	M 3
T 4	14 48 25	13°39'05	7♋51	21° 7	17°18	10°20	23° 5	13°38	17°28	4° 2	27° 2	7°37	7°34	4° 6	6°12	T 4
W 5	14 52 22	14°37'02	21° 0	22°41	18°29	10° 8	23° 1	13°34	17°31	4° 2	27° 4	7°37	7°30	4°13	6° 9	W 5
T 6	14 56 18	15°34'57	4♌26	24°17	19°40	9°57	22°56	13°31	17°35	4° 2	27° 5	7°36	7°27	4°19	6° 6	T 6
F 7	15 0 15	16°32'51	18°11	25°55	20°51	9°47	22°51	13°27	17°38	4° 1	27° 6	7°D36	7°24	4°26	6° 3	F 7
S 8	15 4 11	17°30'42	2♍13	27°36	22° 3	9°38	22°46	13°23	17°42	4° 1	27° 8	7°36	7°21	4°33	6° 1	S 8
S 9	15 8 8	18°28'32	16°33	29°18	23°14	9°29	22°41	13°19	17°45	4° 1	27° 9	7°37	7°18	4°39	5°58	S 9
M10	15 12 4	19°26'20	1♎ 7	1♉ 2	24°24	9°21	22°36	13°16	17°49	4° 1	27°10	7°38	7°15	4°46	5°55	M10
T 11	15 16 1	20°24'06	15°52	2°49	25°35	9°15	22°31	13°12	17°52	4° 1	27°12	7°39	7°11	4°53	5°53	T 11
W12	15 19 58	21°21'51	0♏41	4°37	26°46	9° 8	22°26	13° 8	17°56	4° 0	27°13	7°R39	7° 8	4°59	5°51	W12
T 13	15 23 54	22°19'34	15°27	6°28	27°57	9° 3	22°20	13° 4	17°59	4° 0	27°14	7°39	7° 5	5° 6	5°48	T 13
F 14	15 27 51	23°17'16	0♐ 4	8°20	29° 7	8°59	22°14	13° 0	18° 3	4° 0	27°15	7°38	7° 2	5°13	5°46	F 14
S 15	15 31 47	24°14'57	14°25	10°15	0♋18	8°55	22° 8	12°56	18° 6	4°D 0	27°17	7°37	6°59	5°19	5°44	S 15
S 16	15 35 44	25°12'36	28°25	12°11	1°28	8°52	22° 3	12°52	18°10	4° 0	27°18	7°35	6°56	5°26	5°42	S 16
M17	15 39 40	26°10'15	12♑ 0	14°10	2°39	8°50	21°56	12°48	18°13	4° 0	27°19	7°32	6°52	5°33	5°40	M17
T 18	15 43 37	27° 7'52	25°11	16°10	3°49	8°49	21°50	12°44	18°16	4° 1	27°20	7°30	6°49	5°39	5°38	T 18
W19	15 47 33	28° 5'28	7♒59	18°13	4°59	8°D48	21°44	12°39	18°20	4° 1	27°22	7°28	6°46	5°46	5°37	W19
T 20	15 51 30	29° 3'03	20°26	20°17	6° 9	8°49	21°37	12°35	18°23	4° 1	27°23	7°27	6°43	5°53	5°35	T 20
F 21	15 55 27	0♊ 0'37	2♓37	22°22	7°19	8°50	21°31	12°31	18°27	4° 1	27°24	7°D26	6°40	5°59	5°34	F 21
S 22	15 59 23	0°58'11	14°35	24°30	8°29	8°51	21°24	12°27	18°30	4° 1	27°25	7°27	6°36	6° 6	5°33	S 22
S 23	16 3 20	1°55'43	26°27	26°38	9°39	8°54	21°18	12°22	18°34	4° 1	27°26	7°28	6°33	6°13	5°31	S 23
M24	16 7 16	2°53'15	8♈15	28°48	10°49	8°57	21°11	12°18	18°37	4° 2	27°28	7°30	6°30	6°19	5°30	M24
T 25	16 11 13	3°50'45	20° 6	0♊59	11°59	9° 1	21° 4	12°14	18°40	4° 2	27°29	7°32	6°27	6°26	5°29	T 25
W26	16 15 9	4°48'15	2♉ 2	3°10	13° 8	9° 6	20°57	12° 9	18°44	4° 2	27°30	7°R33	6°24	6°33	5°28	W26
T 27	16 19 6	5°45'44	14° 8	5°22	14°18	9°12	20°50	12° 5	18°47	4° 3	27°31	7°33	6°21	6°39	5°28	T 27
F 28	16 23 2	6°43'12	26°25	7°34	15°27	9°18	20°42	12° 1	18°51	4° 3	27°32	7°31	6°17	6°46	5°27	F 28
S 29	16 26 59	7°40'40	8♊56	9°46	16°36	9°25	20°35	11°56	18°54	4° 4	27°33	7°28	6°14	6°53	5°26	S 29
S 30	16 30 56	8°38'06	21°41	11°57	17°46	9°32	20°28	11°52	18°57	4° 4	27°34	7°24	6°11	6°59	5°26	S 30
M31	16 34 52	9♊35'31	4♋41	14♊ 8	18♋55	9♎41	20♐21	11♐47	19♉ 1	4♍ 5	27♈35	7♏19	6♏ 8	7♈ 6	5♎26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 5	18n12	2s 0	3n55	2s51	23n55	1n26	3s 5	1n23	22s46	0n33	20s46	1n45	16n44	0s18	10n51	0n52	5s 0	16s30	14s 5	14s 7	4n 8	4s30	2s 8
S 2	15 23	19 20	3 1	4 31	2 48	24 6	1 29	3 2	1 20	22 46	0 33	20 46	1 45	16 45	0 18	10 51	0 52	5 0	16 30	14 5	14 6	4 10	4 28	2 8
M 3	15 41	19 30	3 54	5 8	2 45	24 16	1 31	3 0	1 17	22 46	0 33	20 45	1 45	16 46	0 18	10 51	0 52	4 59	16 30	14 5	14 5	4 12	4 26	2 7
T 4	15 58	18 40	4 36	5 45	2 42	24 26	1 33	2 57	1 14	22 46	0 33	20 45	1 45	16 47	0 18	10 52	0 52	4 59	16 30	14 5	14 4	4 14	4 24	2 7
W 5	16 15	16 50	5 4	6 24	2 38	24 34	1 36	2 55	1 12	22 46	0 33	20 45	1 45	16 48	0 18	10 52	0 52	4 58	16 30	14 5	14 3	4 16	4 23	2 6
T 6	16 32	14 4	5 17	7 4	2 33	24 43	1 38	2 53	1 9	22 45	0 33	20 44	1 45	16 49	0 18	10 52	0 52	4 58	16 30	14 5	14 2	4 18	4 21	2 6
F 7	16 49	10 28	5 12	7 44	2 28	24 50	1 40	2 52	1 6	22 45	0 33	20 44	1 45	16 50	0 18	10 52	0 52	4 58	16 31	14 4	14 1	4 20	4 19	2 5
S 8	17 6	6 13	4 49	8 26	2 22	24 57	1 42	2 51	1 4	22 45	0 32	20 43	1 45	16 51	0 18	10 52	0 52	4 57	16 31	14 5	14 0	4 22	4 18	2 5
S 9	17 22	1 32	4 7	9 8	2 16	25 3	1 44	2 50	1 1	22 45	0 32	20 43	1 45	16 52	0 18	10 52	0 52	4 57	16 31	14 5	13 59	4 24	4 16	2 4
M10	17 38	3s20	3 9	9 50	2 9	25 8	1 46	2 49	0 58	22 45	0 32	20 42	1 45	16 53	0 18	10 52	0 52	4 57	16 31	14 5	13 57	4 26	4 15	2 4
T 11	17 53	8 4	1 58	10 34	2 2	25 13	1 48	2 49	0 56	22 44	0 32	20 42	1 45	16 54	0 18	10 52	0 52	4 56	16 31	14 5	13 56	4 28	4 13	2 3
W12	18 8	12 20	0 39	11 18	1 54	25 17	1 50	2 49	0 53	22 44	0 32	20 41	1 45	16 55	0 18	10 52	0 52	4 56	16 31	14 6	13 55	4 30	4 12	2 2
T 13	18 23	15 49	0n43	12 2	1 46	25 20	1 51	2 49	0 51	22 44	0 32	20 41	1 45	16 56	0 18	10 52	0 52	4 56	16 31	14 6	13 54	4 32	4 10	2 2
F 14	18 38	18 14	2 1	12 46	1 38	25 22	1 53	2 50	0 48	22 44	0 32	20 40	1 45	16 57	0 18	10 52	0 52	4 55	16 31	14 5	13 53	4 34	4 9	2 1
S 15	18 52	19 26	3 10	13 31	1 29	25 24	1 55	2 51	0 46	22 43	0 32	20 40	1 45	16 58	0 18	10 52	0 52	4 55	16 31	14 5	13 52	4 36	4 8	2 1
S 16	19 6	19 24	4 5	14 16	1 19	25 25	1 56	2 52	0 43	22 43	0 32	20 39	1 45	16 59	0 18	10 52	0 52	4 55	16 32	14 4	13 51	4 38	4 6	2 0
M17	19 20	18 13	4 45	15 1	1 10	25 26	1 58	2 53	0 41	22 43	0 32	20 39	1 45	17 0	0 18	10 52	0 52	4 54	16 32	14 3	13 50	4 40	4 5	2 0
T 18	19 33	16 5	5 8	15 45	1 0	25 25	1 59	2 55	0 38	22 42	0 32	20 38	1 45	17 1	0 18	10 52	0 52	4 54	16 32	14 2	13 49	4 42	4 4	1 59
W19	19 47	13 13	5 16	16 29	0 50	25 24	2 1	2 57	0 36	22 42	0 32	20 38	1 45	17 2	0 18	10 52	0 52	4 54	16 32	14 2	13 48	4 44	4 3	1 59
T 20	19 59	9 50	5 8	17 13	0 39	25 23	2 2	2 59	0 33	22 42	0 32	20 37	1 45	17 3	0 18	10 52	0 52	4 54	16 32	14 1	13 47	4 46	4 2	1 58
F 21	20 12	6 7	4 46	17 56	0 29	25 20	2 3	3 2	0 31	22 42	0 32	20 37	1 45	17 4	0 18	10 52	0 52	4 53	16 32	14 1	13 46	4 48	4 1	1 57
S 22	20 24	2 12	4 12	18 38	0 18	25 17	2 4	3 5	0 29	22 41	0 31	20 36	1 45	17 5	0 18	10 52	0 52	4 53	16 33	14 2	13 45	4 50	4 0	1 57
S 23	20 35	1n45	3 27	19 19	0 8	25 13	2 5	3 8	0 26	22 41	0 31	20 36	1 45	17 6	0 18	10 52	0 52	4 53	16 33	14 2	13 44	4 52	3 59	1 56
M24	20 47	5 39	2 34	19 59	0n 3	25 9	2 6	3 11	0 24	22 40	0 31	20 35	1 45	17 7	0 18	10 51	0 52	4 53	16 33	14 3	13 43	4 54	3 58	1 56
T 25	20 58	9 20	1 35	20 37	0 14	25 4	2 7	3 15	0 22	22 40	0 31	20 35	1 45	17 8	0 18	10 51	0 52	4 52	16 33	14 3	13 42	4 56	3 57	1 55
W26	21 8	12 41	0 30	21 14	0 24	24 58	2 8	3 19	0 19	22 40	0 31	20 34	1 45	17 9	0 18	10 51	0 52	4 52	16 33	14 3	13 41	4 58	3 56	1 55
T 27	21 19	15 32	0s36	21 48	0 34	24 51	2 9	3 23	0 17	22 39	0 31	20 33	1 45	17 10	0 18	10 51	0 52	4 52	16 33	14 3	13 40	4 59	3 55	1 54
F 28	21 29	17 45	1 42	22 20	0 44	24 44	2 9	3 28	0 15	22 39	0 31	20 33	1 45	17 11	0 18	10 51	0 52	4 52	16 34	14 3	13 39	5 1	3 54	1 54
S 29	21 38	19 8	2 44	22 51	0 54	24 36	2 10	3 32	0 13	22 39	0 31	20 32	1 45	17 11	0 18	10 51	0 52	4 52	16 34	14 2	13 38	5 3	3 54	1 53
S 30	21 47	19 36	3 38	23 18	1 3	24 28	2 10	3 37	0 11	22 38	0 31	20 32	1 44	17 12	0 18	10 50	0 52	4 51	16 34	14 1	13 37	5 5	3 53	1 52
M31	21n56	19n 2	4s23	23n43	1n11	24n18	2n11	3s42	0n 9	22s38	0n31	20s31	1n44	17n13	0s18	10n50	0n52	4s51	16s34	13s59	13s36	5n 7	3s52	1s52

Julian Day Number = 2307029.5, Delta T = 83.27 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'05, Lahiri = 18°20'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

JUNE 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 38 49	10♊32'56	17♋55	16♊19	20♋ 4	9♎50	20°R13	11°R43	19♉ 4	4♍ 5	27♈37	7°R14	6♏ 5	7♈13	5°R25	T 1
W 2	16 42 45	11°30'19	1♌23	18°28	21°12	9°59	20♐ 6	11♐39	19° 7	4° 6	27°38	7♏ 9	6° 1	7°19	5°D25	W 2
T 3	16 46 42	12°27'41	15° 2	20°35	22°21	10°10	19°58	11°34	19°11	4° 6	27°39	7° 5	5°58	7°26	5♎25	T 3
F 4	16 50 38	13°25'02	28°53	22°41	23°30	10°21	19°51	11°30	19°14	4° 7	27°40	7° 3	5°55	7°33	5°25	F 4
S 5	16 54 35	14°22'22	12♍53	24°46	24°38	10°32	19°43	11°25	19°17	4° 8	27°41	7°D 2	5°52	7°39	5°26	S 5
S 6	16 58 31	15°19'41	27° 3	26°48	25°47	10°44	19°35	11°21	19°20	4° 8	27°42	7° 3	5°49	7°46	5°26	S 6
M 7	17 2 28	16°16'59	11♎19	28°49	26°55	10°57	19°28	11°16	19°23	4° 9	27°43	7° 4	5°46	7°53	5°26	M 7
T 8	17 6 25	17°14'16	25°41	0♏48	28° 3	11°11	19°20	11°12	19°27	4°10	27°44	7° 5	5°42	7°59	5°27	T 8
W 9	17 10 21	18°11'33	10♏ 5	2°44	29°11	11°25	19°13	11° 8	19°30	4°11	27°45	7°R 5	5°39	8° 6	5°28	W 9
T 10	17 14 18	19° 8'48	24°27	4°38	0♑19	11°39	19° 5	11° 3	19°33	4°11	27°46	7° 4	5°36	8°13	5°28	T 10
F 11	17 18 14	20° 6'03	8♐42	6°30	1°27	11°54	18°57	10°59	19°36	4°12	27°46	7° 1	5°33	8°19	5°29	F 11
S 12	17 22 11	21° 3'17	22°46	8°20	2°34	12°10	18°50	10°55	19°39	4°13	27°47	6°56	5°30	8°26	5°30	S 12
S 13	17 26 7	22° 0'31	6♑34	10° 7	3°42	12°26	18°42	10°50	19°42	4°14	27°48	6°49	5°27	8°33	5°32	S 13
M14	17 30 4	22°57'44	20° 3	11°52	4°49	12°43	18°34	10°46	19°45	4°15	27°49	6°42	5°23	8°39	5°33	M14
T 15	17 34 0	23°54'57	3♒12	13°35	5°56	13° 0	18°27	10°42	19°48	4°16	27°50	6°34	5°20	8°46	5°34	T 15
W16	17 37 57	24°52'10	15°59	15°15	7° 3	13°18	18°19	10°38	19°51	4°17	27°51	6°28	5°17	8°53	5°36	W16
T 17	17 41 54	25°49'22	28°26	16°53	8°10	13°36	18°12	10°33	19°54	4°18	27°52	6°22	5°14	8°59	5°37	T 17
F 18	17 45 50	26°46'34	10♓38	18°28	9°17	13°55	18° 4	10°29	19°57	4°19	27°52	6°19	5°11	9° 6	5°39	F 18
S 19	17 49 47	27°43'47	22°37	20° 1	10°23	14°14	17°57	10°25	20° 0	4°20	27°53	6°D17	5° 7	9°13	5°41	S 19
S 20	17 53 43	28°40'59	4♈28	21°32	11°29	14°34	17°49	10°21	20° 3	4°21	27°54	6°17	5° 4	9°19	5°43	S 20
M21	17 57 40	29°38'11	16°17	23° 0	12°36	14°54	17°42	10°17	20° 6	4°22	27°55	6°18	5° 1	9°26	5°45	M21
T 22	18 1 36	0♋35'23	28°10	24°26	13°42	15°14	17°34	10°13	20° 9	4°24	27°56	6°19	4°58	9°33	5°47	T 22
W23	18 5 33	1°32'36	10♉10	25°49	14°47	15°35	17°27	10° 9	20°12	4°25	27°56	6°R20	4°55	9°39	5°49	W23
T 24	18 9 29	2°29'48	22°22	27°10	15°53	15°57	17°20	10° 5	20°15	4°26	27°57	6°18	4°52	9°46	5°52	T 24
F 25	18 13 26	3°27'00	4♊50	28°28	16°59	16°19	17°13	10° 1	20°17	4°27	27°58	6°15	4°48	9°53	5°54	F 25
S 26	18 17 23	4°24'13	17°36	29°44	18° 4	16°41	17° 6	9°57	20°20	4°28	27°58	6° 9	4°45	9°59	5°57	S 26
S 27	18 21 19	5°21'26	0♋40	0♌57	19° 9	17° 4	16°59	9°54	20°23	4°30	27°59	6° 1	4°42	10° 6	5°59	S 27
M28	18 25 16	6°18'38	14° 3	2° 7	20°14	17°27	16°52	9°50	20°25	4°31	28° 0	5°51	4°39	10°13	6° 2	M28
T 29	18 29 12	7°15'51	27°43	3°15	21°18	17°51	16°45	9°46	20°28	4°32	28° 0	5°41	4°36	10°19	6° 5	T 29
W30	18 33 9	8♋13'03	11♌35	4♌19	22♌23	18♎15	16♐38	9♐43	20♉31	4♍34	28♈ 1	5♏32	4♏33	10♈26	6♎ 8	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 4	17n25	4s54	24n 6	1n19	24n 9	2n11	3s48	0n 7	22s37	0n30	20s31	1n44	17n14	0s18	10n50	0n52	4s51	16s34	13s57	13s34	5n 9	3s52	1s51
W 2	22 13	14 51	5 10	24 25	1 26	23 58	2 11	3 54	0 5	22 37	0 30	20 30	1 44	17 15	0 18	10 50	0 52	4 51	16 35	13 56	13 33	5 11	3 51	1 51
T 3	22 20	11 26	5 9	24 42	1 33	23 47	2 11	3 59	0 3	22 36	0 30	20 30	1 44	17 16	0 18	10 50	0 52	4 51	16 35	13 54	13 32	5 13	3 51	1 50
F 4	22 27	7 22	4 50	24 56	1 39	23 35	2 11	4 6	0 1	22 36	0 30	20 29	1 44	17 17	0 18	10 49	0 52	4 51	16 35	13 54	13 31	5 15	3 50	1 50
S 5	22 34	2 50	4 13	25 7	1 44	23 23	2 11	4 12	0s 1	22 35	0 30	20 29	1 44	17 18	0 18	10 49	0 52	4 51	16 35	13 53	13 30	5 17	3 50	1 49
S 6	22 41	1s54	3 21	25 16	1 49	23 10	2 10	4 18	0 3	22 35	0 30	20 28	1 44	17 19	0 18	10 49	0 52	4 50	16 36	13 54	13 29	5 19	3 49	1 49
M 7	22 47	6 34	2 16	25 22	1 53	22 57	2 10	4 25	0 5	22 35	0 30	20 28	1 44	17 20	0 18	10 48	0 52	4 50	16 36	13 54	13 28	5 21	3 49	1 48
T 8	22 52	10 54	1 2	25 25	1 56	22 43	2 10	4 32	0 7	22 34	0 30	20 27	1 44	17 20	0 18	10 48	0 52	4 50	16 36	13 54	13 27	5 23	3 49	1 47
W 9	22 58	14 37	0n16	25 26	1 58	22 28	2 9	4 39	0 9	22 34	0 29	20 27	1 44	17 21	0 18	10 48	0 52	4 50	16 36	13 54	13 26	5 25	3 49	1 47
T 10	23 3	17 25	1 33	25 24	2 0	22 13	2 8	4 47	0 10	22 33	0 29	20 26	1 44	17 22	0 18	10 48	0 52	4 50	16 37	13 54	13 25	5 27	3 48	1 46
F 11	23 7	19 7	2 43	25 20	2 1	21 57	2 8	4 54	0 12	22 33	0 29	20 26	1 44	17 23	0 18	10 47	0 51	4 50	16 37	13 53	13 24	5 28	3 48	1 46
S 12	23 11	19 36	3 42	25 14	2 1	21 41	2 7	5 2	0 14	22 32	0 29	20 25	1 43	17 24	0 18	10 47	0 51	4 50	16 37	13 51	13 23	5 30	3 48	1 45
S 13	23 15	18 53	4 27	25 6	2 1	21 24	2 6	5 10	0 16	22 32	0 29	20 25	1 43	17 25	0 18	10 47	0 51	4 50	16 37	13 49	13 22	5 32	3 48	1 45
M14	23 18	17 7	4 55	24 56	1 59	21 7	2 4	5 18	0 17	22 31	0 29	20 24	1 43	17 25	0 18	10 46	0 51	4 50	16 38	13 47	13 21	5 34	3 48	1 44
T 15	23 21	14 29	5 8	24 44	1 57	20 49	2 3	5 26	0 19	22 31	0 29	20 24	1 43	17 26	0 18	10 46	0 51	4 50	16 38	13 44	13 20	5 36	3 48	1 44
W16	23 23	11 14	5 4	24 31	1 55	20 31	2 2	5 34	0 21	22 30	0 29	20 23	1 43	17 27	0 18	10 45	0 51	4 50	16 38	13 42	13 19	5 38	3 48	1 43
T 17	23 25	7 34	4 46	24 16	1 51	20 12	2 0	5 43	0 22	22 30	0 28	20 23	1 43	17 28	0 18	10 45	0 51	4 50	16 38	13 40	13 18	5 40	3 48	1 43
F 18	23 27	3 40	4 15	23 59	1 47	19 53	1 59	5 52	0 24	22 29	0 28	20 22	1 43	17 29	0 18	10 45	0 51	4 50	16 39	13 39	13 16	5 42	3 49	1 42
S 19	23 28	0n20	3 33	23 41	1 43	19 33	1 57	6 1	0 25	22 28	0 28	20 22	1 43	17 29	0 18	10 44	0 51	4 50	16 39	13 39	13 15	5 44	3 49	1 41
S 20	23 29	4 16	2 43	23 22	1 37	19 13	1 55	6 10	0 27	22 28	0 28	20 21	1 43	17 30	0 18	10 44	0 51	4 50	16 39	13 39	13 14	5 46	3 49	1 41
M21	23 29	8 3	1 46	23 2	1 32	18 52	1 53	6 19	0 28	22 27	0 28	20 21	1 42	17 31	0 18	10 43	0 51	4 50	16 40	13 39	13 13	5 47	3 49	1 40
T 22	23 29	11 31	0 44	22 40	1 25	18 31	1 51	6 28	0 30	22 27	0 28	20 20	1 42	17 32	0 18	10 43	0 51	4 50	16 40	13 39	13 12	5 49	3 50	1 40
W23	23 29	14 34	0s21	22 18	1 18	18 10	1 49	6 38	0 31	22 26	0 27	20 20	1 42	17 33	0 18	10 42	0 51	4 50	16 40	13 39	13 11	5 51	3 50	1 39
T 24	23 28	17 2	1 25	21 55	1 10	17 48	1 47	6 47	0 33	22 26	0 27	20 20	1 42	17 33	0 18	10 42	0 51	4 50	16 40	13 39	13 10	5 53	3 51	1 39
F 25	23 27	18 44	2 27	21 32	1 2	17 26	1 44	6 57	0 34	22 25	0 27	20 19	1 42	17 34	0 18	10 42	0 51	4 50	16 41	13 38	13 9	5 55	3 51	1 38
S 26	23 25	19 33	3 22	21 7	0 54	17 4	1 42	7 7	0 35	22 25	0 27	20 19	1 42	17 35	0 18	10 41	0 51	4 50	16 41	13 36	13 8	5 57	3 52	1 38
S 27	23 23	19 20	4 9	20 43	0 44	16 41	1 39	7 17	0 37	22 24	0 27	20 18	1 42	17 35	0 18	10 41	0 51	4 50	16 41	13 33	13 7	5 59	3 52	1 37
M28	23 20	18 4	4 43	20 18	0 35	16 17	1 36	7 27	0 38	22 24	0 27	20 18	1 41	17 36	0 18	10 40	0 51	4 50	16 42	13 30	13 6	6 1	3 53	1 37
T 29	23 17	15 44	5 1	19 52	0 25	15 54	1 33	7 37	0 39	22 23	0 26	20 18	1 41	17 37	0 18	10 40	0 51	4 50	16 42	13 27	13 5	6 3	3 54	1 36
W30	23n14	12n30	5s 2	19n27	0n14	15n30	1n30	7s48	0s41	22s23	0n26	20s17	1n41	17n38	0s18	10n39	0n51	4s50	16s42	13s24	13s 4	6n 4	3s54	1s36

Julian Day Number = 2307060.5, Delta T = 83.16 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'10, Lahiri = 18°20'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

JULY 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 5	9♋10'16	25♌36	5♌21	23♌27	18♎39	16°R32	9°R39	20♉33	4♍35	28°♈ 1	5°R24	4♏29	10♈33	6♎11	T 1
F 2	18 41 2	10° 7'28	9♍43	6°20	24°31	19° 4	16♐25	9♐35	20°36	4°37	28° 2	5♏18	4°26	10°39	6°14	F 2
S 3	18 44 58	11° 4'40	23°52	7°15	25°35	19°29	16°19	9°32	20°38	4°38	28° 2	5°15	4°23	10°46	6°18	S 3
S 4	18 48 55	12° 1'52	8♎ 2	8° 7	26°39	19°54	16°13	9°29	20°41	4°40	28° 3	5°D14	4°20	10°52	6°21	S 4
M 5	18 52 52	12°59'03	22°10	8°56	27°42	20°20	16° 6	9°25	20°43	4°41	28° 3	5°14	4°17	10°59	6°25	M 5
T 6	18 56 48	13°56'15	6♏16	9°41	28°45	20°46	16° 0	9°22	20°46	4°43	28° 4	5°R14	4°13	11° 6	6°28	T 6
W 7	19 0 45	14°53'27	20°18	10°23	29°48	21°13	15°55	9°19	20°48	4°44	28° 4	5°14	4°10	11°12	6°32	W 7
T 8	19 4 41	15°50'38	4♐15	11° 1	0♍50	21°40	15°49	9°16	20°50	4°46	28° 5	5°11	4° 7	11°19	6°36	T 8
F 9	19 8 38	16°47'50	18° 5	11°35	1°53	22° 7	15°43	9°13	20°53	4°47	28° 5	5° 5	4° 4	11°26	6°40	F 9
S 10	19 12 34	17°45'03	1♑45	12° 4	2°55	22°34	15°38	9°10	20°55	4°49	28° 6	4°57	4° 1	11°32	6°44	S 10
S 11	19 16 31	18°42'15	15°13	12°30	3°56	23° 2	15°32	9° 7	20°57	4°51	28° 6	4°47	3°58	11°39	6°48	S 11
M12	19 20 28	19°39'28	28°27	12°51	4°58	23°30	15°27	9° 4	20°59	4°52	28° 6	4°35	3°54	11°46	6°52	M12
T 13	19 24 24	20°36'41	11♒23	13° 8	5°59	23°59	15°22	9° 1	21° 2	4°54	28° 7	4°23	3°51	11°52	6°57	T 13
W14	19 28 21	21°33'55	24° 3	13°20	6°59	24°27	15°17	8°59	21° 4	4°56	28° 7	4°12	3°48	11°59	7° 1	W14
T 15	19 32 17	22°31'10	6♓26	13°27	8° 0	24°56	15°12	8°56	21° 6	4°58	28° 7	4° 3	3°45	12° 6	7° 5	T 15
F 16	19 36 14	23°28'25	18°34	13°R29	9° 0	25°26	15° 8	8°53	21° 8	4°59	28° 8	3°56	3°42	12°12	7°10	F 16
S 17	19 40 10	24°25'41	0♈32	13°26	10° 0	25°55	15° 3	8°51	21°10	5° 1	28° 8	3°52	3°39	12°19	7°15	S 17
S 18	19 44 7	25°22'58	12°23	13°19	10°59	26°25	14°59	8°49	21°12	5° 3	28° 8	3°50	3°35	12°26	7°19	S 18
M19	19 48 3	26°20'15	24°11	13° 6	11°58	26°55	14°55	8°46	21°14	5° 5	28° 8	3°D49	3°32	12°32	7°24	M19
T 20	19 52 0	27°17'34	6♉ 3	12°49	12°57	27°26	14°51	8°44	21°15	5° 6	28° 8	3°R49	3°29	12°39	7°29	T 20
W21	19 55 56	28°14'54	18° 5	12°26	13°55	27°56	14°47	8°42	21°17	5° 8	28° 9	3°49	3°26	12°46	7°34	W21
T 22	19 59 53	29°12'15	0♊20	11°59	14°53	28°27	14°43	8°40	21°19	5°10	28° 9	3°47	3°23	12°52	7°39	T 22
F 23	20 3 50	0♌ 9'36	12°54	11°28	15°50	28°59	14°40	8°38	21°21	5°12	28° 9	3°42	3°19	12°59	7°45	F 23
S 24	20 7 46	1° 6'59	25°49	10°53	16°47	29°30	14°36	8°36	21°22	5°14	28° 9	3°35	3°16	13° 6	7°50	S 24
S 25	20 11 43	2° 4'23	9♋ 9	10°15	17°44	0♏ 2	14°33	8°34	21°24	5°16	28° 9	3°26	3°13	13°12	7°55	S 25
M26	20 15 39	3° 1'48	22°51	9°33	18°40	0°34	14°30	8°33	21°26	5°18	28° 9	3°15	3°10	13°19	8° 1	M26
T 27	20 19 36	3°59'13	6♌53	8°50	19°36	1° 6	14°27	8°31	21°27	5°20	28° 9	3° 3	3° 7	13°26	8° 6	T 27
W28	20 23 32	4°56'40	21°11	8° 4	20°31	1°38	14°25	8°30	21°29	5°22	28°R 9	2°52	3° 4	13°32	8°12	W28
T 29	20 27 29	5°54'07	5♍38	7°18	21°25	2°11	14°22	8°28	21°30	5°24	28° 9	2°42	3° 0	13°39	8°18	T 29
F 30	20 31 26	6°51'36	20° 8	6°32	22°20	2°44	14°20	8°27	21°32	5°26	28° 9	2°35	2°57	13°46	8°24	F 30
S 31	20 35 22	7♌49'04	4♎35	5♌47	23♍13	3♏17	14♐18	8♐26	21♉33	5♍28	28°♈ 9	2♏31	2♏54	13♈52	8♎30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n10	8n32	4s46	19n 1	0n 3	15n 6	1n27	7s58	0s42	22s22	0n26	20s17	1n41	17n38	0s18	10n39	0n51	4s50	16s43	13s21	13s 3	6n 6	3s55	1s35
F 2	23 6	4 4	4 11	18 35	0s 9	14 41	1 24	8 9	0 43	22 22	0 26	20 16	1 41	17 39	0 18	10 38	0 51	4 50	16 43	13 19	13 2	6 8	3 56	1 35
S 3	23 2	0s39	3 22	18 10	0 20	14 17	1 20	8 19	0 44	22 21	0 26	20 16	1 41	17 40	0 18	10 37	0 51	4 50	16 43	13 18	13 0	6 10	3 57	1 34
S 4	22 57	5 20	2 20	17 45	0 33	13 52	1 17	8 30	0 46	22 21	0 26	20 16	1 40	17 40	0 18	10 37	0 51	4 51	16 43	13 18	12 59	6 12	3 58	1 34
M 5	22 51	9 43	1 9	17 20	0 45	13 26	1 13	8 41	0 47	22 20	0 25	20 15	1 40	17 41	0 18	10 36	0 51	4 51	16 44	13 18	12 58	6 14	3 59	1 33
T 6	22 45	13 33	0n 5	16 55	0 58	13 1	1 9	8 52	0 48	22 20	0 25	20 15	1 40	17 42	0 18	10 36	0 51	4 51	16 44	13 18	12 57	6 16	3 59	1 33
W 7	22 39	16 35	1 19	16 32	1 12	12 35	1 5	9 3	0 49	22 19	0 25	20 15	1 40	17 42	0 18	10 35	0 51	4 51	16 44	13 17	12 56	6 18	4 0	1 32
T 8	22 33	18 37	2 28	16 8	1 25	12 9	1 1	9 14	0 50	22 19	0 25	20 14	1 40	17 43	0 18	10 35	0 51	4 51	16 45	13 17	12 55	6 19	4 2	1 32
F 9	22 26	19 31	3 27	15 46	1 39	11 43	0 57	9 26	0 51	22 19	0 25	20 14	1 40	17 43	0 18	10 34	0 51	4 51	16 45	13 15	12 54	6 21	4 3	1 31
S 10	22 19	19 16	4 13	15 24	1 53	11 16	0 53	9 37	0 53	22 18	0 25	20 14	1 39	17 44	0 18	10 33	0 51	4 52	16 45	13 12	12 53	6 23	4 4	1 31
S 11	22 11	17 54	4 44	15 4	2 7	10 50	0 48	9 48	0 54	22 18	0 24	20 14	1 39	17 45	0 18	10 33	0 51	4 52	16 46	13 8	12 52	6 25	4 5	1 30
M12	22 3	15 37	5 0	14 44	2 21	10 23	0 43	10 0	0 55	22 17	0 24	20 13	1 39	17 45	0 18	10 32	0 51	4 52	16 46	13 5	12 51	6 27	4 6	1 30
T 13	21 54	12 36	4 59	14 26	2 35	9 56	0 39	10 11	0 56	22 17	0 24	20 13	1 39	17 46	0 18	10 31	0 51	4 52	16 46	13 1	12 50	6 29	4 7	1 29
W14	21 45	9 4	4 44	14 9	2 49	9 29	0 34	10 23	0 57	22 17	0 24	20 13	1 39	17 46	0 18	10 31	0 51	4 52	16 47	12 57	12 49	6 31	4 9	1 29
T 15	21 36	5 13	4 15	13 54	3 3	9 2	0 29	10 34	0 58	22 16	0 24	20 13	1 39	17 47	0 18	10 30	0 51	4 53	16 47	12 54	12 48	6 32	4 10	1 28
F 16	21 27	1 13	3 36	13 40	3 16	8 35	0 24	10 46	0 59	22 16	0 24	20 12	1 38	17 47	0 18	10 30	0 51	4 53	16 47	12 51	12 46	6 34	4 11	1 28
S 17	21 17	2n46	2 47	13 28	3 29	8 7	0 19	10 58	1 0	22 16	0 23	20 12	1 38	17 48	0 18	10 29	0 51	4 53	16 48	12 50	12 45	6 36	4 13	1 27
S 18	21 6	6 36	1 51	13 18	3 42	7 40	0 13	11 10	1 1	22 15	0 23	20 12	1 38	17 48	0 18	10 28	0 51	4 53	16 48	12 49	12 44	6 38	4 14	1 27
M19	20 56	10 11	0 51	13 10	3 54	7 12	0 8	11 21	1 2	22 15	0 23	20 12	1 38	17 49	0 18	10 28	0 51	4 53	16 48	12 49	12 43	6 40	4 16	1 26
T 20	20 45	13 23	0s12	13 4	4 6	6 45	0 2	11 33	1 3	22 15	0 23	20 12	1 38	17 49	0 18	10 27	0 51	4 54	16 49	12 49	12 42	6 42	4 17	1 26
W21	20 33	16 3	1 15	13 0	4 16	6 17	0s 4	11 45	1 4	22 15	0 23	20 12	1 37	17 50	0 18	10 26	0 51	4 54	16 49	12 49	12 41	6 44	4 19	1 25
T 22	20 22	18 3	2 16	12 58	4 26	5 49	0 10	11 57	1 5	22 14	0 22	20 12	1 37	17 50	0 18	10 25	0 51	4 54	16 49	12 48	12 40	6 45	4 21	1 25
F 23	20 9	19 14	3 11	12 59	4 34	5 21	0 16	12 9	1 5	22 14	0 22	20 11	1 37	17 51	0 18	10 25	0 51	4 54	16 50	12 47	12 39	6 47	4 22	1 24
S 24	19 57	19 27	3 59	13 1	4 41	4 53	0 22	12 21	1 6	22 14	0 22	20 11	1 37	17 51	0 18	10 24	0 51	4 55	16 50	12 44	12 38	6 49	4 24	1 24
S 25	19 44	18 36	4 34	13 6	4 47	4 26	0 28	12 33	1 7	22 14	0 22	20 11	1 37	17 52	0 18	10 23	0 51	4 55	16 50	12 41	12 37	6 51	4 26	1 23
M26	19 31	16 41	4 56	13 13	4 51	3 58	0 35	12 45	1 8	22 14	0 22	20 11	1 36	17 52	0 18	10 23	0 51	4 55	16 51	12 37	12 36	6 53	4 27	1 23
T 27	19 18	13 45	5 0	13 22	4 54	3 30	0 41	12 57	1 9	22 13	0 22	20 11	1 36	17 52	0 18	10 22	0 51	4 56	16 51	12 33	12 35	6 55	4 29	1 23
W28	19 4	9 57	4 46	13 33	4 54	3 2	0 48	13 9	1 10	22 13	0 21	20 11	1 36	17 53	0 18	10 21	0 51	4 56	16 51	12 29	12 33	6 56	4 31	1 22
T 29	18 50	5 32	4 13	13 45	4 53	2 34	0 55	13 21	1 10	22 13	0 21	20 11	1 36	17 53	0 18	10 20	0 51	4 56	16 52	12 26	12 32	6 58	4 33	1 22
F 30	18 36	0 47	3 24	13 59	4 50	2 6	1 2	13 34	1 11	22 13	0 21	20 11	1 36	17 53	0 18	10 20	0 51	4 57	16 52	12 24	12 31	7 0	4 35	1 21
S 31	18n21	4s 0	2s22	14n15	4s46	1n39	1s 9	13s46	1s12	22s13	0n21	20s11	1n35	17n54	0s18	10n19	0n51	4s57	16s52	12s22	12s30	7n 2	4s37	1s21

Julian Day Number = 2307090.5, Delta T = 83.06 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'14, Lahiri = 18°20'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

AUGUST 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 39 19	8♌46'34	18♎56	5°R 3	24♍ 6	3♏51	14°R16	8°R25	21♉34	5♍30	28°R 9	2°R29	2♏51	13♈59	8♎35	S 1
M 2	20 43 15	9°44'05	3♏ 7	4♌22	24°59	4°24	14♐14	8♐24	21°36	5°32	28♈ 9	2♏28	2°48	14° 5	8°41	M 2
T 3	20 47 12	10°41'36	17° 8	3°45	25°50	4°58	14°13	8°23	21°37	5°34	28° 9	2°28	2°45	14°12	8°48	T 3
W 4	20 51 8	11°39'08	0♐57	3°12	26°42	5°32	14°12	8°22	21°38	5°36	28° 9	2°27	2°41	14°19	8°54	W 4
T 5	20 55 5	12°36'41	14°36	2°43	27°32	6° 6	14°10	8°21	21°39	5°38	28° 8	2°24	2°38	14°25	9° 0	T 5
F 6	20 59 1	13°34'15	28° 4	2°20	28°22	6°41	14°10	8°20	21°40	5°40	28° 8	2°19	2°35	14°32	9° 6	F 6
S 7	21 2 58	14°31'50	11♑22	2° 3	29°11	7°15	14° 9	8°20	21°41	5°42	28° 8	2°10	2°32	14°39	9°13	S 7
S 8	21 6 55	15°29'26	24°27	1°53	29°59	7°50	14° 8	8°19	21°42	5°44	28° 8	1°59	2°29	14°45	9°19	S 8
M 9	21 10 51	16°27'03	7♒20	1°D49	0♎47	8°25	14° 8	8°19	21°43	5°46	28° 8	1°47	2°25	14°52	9°26	M 9
T 10	21 14 48	17°24'41	20° 0	1°53	1°34	9° 0	14° 8	8°19	21°44	5°48	28° 7	1°35	2°22	14°59	9°32	T 10
W11	21 18 44	18°22'21	2♓27	2° 4	2°20	9°36	14°D 8	8°19	21°45	5°51	28° 7	1°23	2°19	15° 5	9°39	W11
T 12	21 22 41	19°20'02	14°41	2°22	3° 5	10°12	14° 8	8°D19	21°46	5°53	28° 7	1°14	2°16	15°12	9°46	T 12
F 13	21 26 37	20°17'44	26°44	2°48	3°49	10°47	14° 8	8°19	21°47	5°55	28° 7	1° 6	2°13	15°19	9°53	F 13
S 14	21 30 34	21°15'28	8♈38	3°21	4°33	11°23	14° 9	8°19	21°47	5°57	28° 6	1° 2	2°10	15°25	10° 0	S 14
S 15	21 34 30	22°13'14	20°26	4° 1	5°15	11°59	14° 9	8°19	21°48	5°59	28° 6	0°59	2° 6	15°32	10° 6	S 15
M16	21 38 27	23°11'01	2♉13	4°49	5°57	12°36	14°10	8°19	21°49	6° 1	28° 5	0°D59	2° 3	15°39	10°13	M16
T 17	21 42 23	24° 8'50	14° 4	5°44	6°37	13°12	14°11	8°20	21°49	6° 4	28° 5	0°59	2° 0	15°45	10°20	T 17
W18	21 46 20	25° 6'41	26° 5	6°45	7°16	13°49	14°13	8°20	21°50	6° 6	28° 5	0°R59	1°57	15°52	10°28	W18
T 19	21 50 17	26° 4'33	8♊19	7°53	7°55	14°26	14°14	8°21	21°50	6° 8	28° 4	0°59	1°54	15°59	10°35	T 19
F 20	21 54 13	27° 2'28	20°53	9° 8	8°32	15° 3	14°16	8°21	21°50	6°10	28° 4	0°56	1°51	16° 5	10°42	F 20
S 21	21 58 10	28° 0'24	3♋51	10°28	9° 7	15°40	14°17	8°22	21°51	6°12	28° 3	0°51	1°47	16°12	10°49	S 21
S 22	22 2 6	28°58'22	17°15	11°53	9°42	16°18	14°19	8°23	21°51	6°15	28° 3	0°44	1°44	16°18	10°57	S 22
M23	22 6 3	29°56'22	1♌ 7	13°24	10°15	16°55	14°22	8°24	21°51	6°17	28° 2	0°36	1°41	16°25	11° 4	M23
T 24	22 9 59	0♍54'23	15°23	14°59	10°47	17°33	14°24	8°25	21°52	6°19	28° 2	0°26	1°38	16°32	11°12	T 24
W25	22 13 56	1°52'26	29°59	16°38	11°18	18°11	14°27	8°26	21°52	6°21	28° 1	0°17	1°35	16°38	11°19	W25
T 26	22 17 52	2°50'31	14♍49	18°21	11°47	18°49	14°29	8°28	21°52	6°23	28° 1	0° 9	1°31	16°45	11°27	T 26
F 27	22 21 49	3°48'37	29°43	20° 6	12°15	19°27	14°32	8°29	21°R52	6°26	28° 0	0° 4	1°28	16°52	11°34	F 27
S 28	22 25 46	4°46'45	14♎33	21°55	12°41	20° 5	14°35	8°30	21°52	6°28	28° 0	0° 1	1°25	16°58	11°42	S 28
S 29	22 29 42	5°44'55	29°12	23°45	13° 6	20°44	14°39	8°32	21°52	6°30	27°59	29°D59	1°22	17° 5	11°50	S 29
M30	22 33 39	6°43'05	13♏36	25°37	13°28	21°23	14°42	8°34	21°52	6°32	27°58	0° 0	1°19	17°12	11°57	M30
T 31	22 37 35	7♍41'18	27♏43	27♌30	13♎50	22♏ 1	14♐46	8♐35	21♉52	6♍35	27♈58	0♏ 1	1♏16	17♈18	12♎ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 6	8s32	1s11	14n31	4s39	1n11	1s16	13s58	1s13	22s13	0n21	20s11	1n35	17n54	0s18	10n18	0n51	4s57	16s53	12s22	12s29	7n 4	4s39	1s20
M 2	17 51	12 31	0n 3	14 49	4 31	0 44	1 23	14 10	1 13	22 13	0 20	20 11	1 35	17 55	0 18	10 18	0 51	4 58	16 53	12 21	12 28	7 6	4 41	1 20
T 3	17 35	15 45	1 17	15 7	4 21	0 16	1 31	14 22	1 14	22 13	0 20	20 11	1 35	17 55	0 18	10 17	0 51	4 58	16 53	12 21	12 27	7 7	4 43	1 19
W 4	17 20	18 2	2 25	15 26	4 10	0s11	1 38	14 34	1 15	22 13	0 20	20 11	1 35	17 55	0 18	10 16	0 51	4 58	16 54	12 21	12 26	7 9	4 45	1 19
T 5	17 3	19 14	3 23	15 44	3 57	0 38	1 46	14 46	1 16	22 13	0 20	20 11	1 34	17 55	0 18	10 15	0 51	4 59	16 54	12 20	12 25	7 11	4 47	1 19
F 6	16 47	19 19	4 10	16 3	3 43	1 5	1 54	14 58	1 16	22 13	0 20	20 12	1 34	17 56	0 18	10 14	0 51	4 59	16 54	12 18	12 24	7 13	4 49	1 18
S 7	16 30	18 19	4 42	16 21	3 29	1 32	2 2	15 10	1 17	22 13	0 20	20 12	1 34	17 56	0 18	10 14	0 51	4 59	16 55	12 15	12 23	7 15	4 51	1 18
S 8	16 13	16 22	4 59	16 39	3 13	1 59	2 10	15 22	1 18	22 13	0 19	20 12	1 34	17 56	0 18	10 13	0 51	5 0	16 55	12 11	12 21	7 16	4 53	1 17
M 9	15 56	13 38	5 0	16 56	2 56	2 25	2 18	15 35	1 18	22 14	0 19	20 12	1 33	17 56	0 18	10 12	0 51	5 0	16 55	12 7	12 20	7 18	4 55	1 17
T 10	15 39	10 19	4 46	17 11	2 40	2 52	2 26	15 46	1 19	22 14	0 19	20 12	1 33	17 57	0 18	10 11	0 51	5 0	16 56	12 3	12 19	7 20	4 57	1 16
W11	15 21	6 36	4 19	17 26	2 22	3 18	2 35	15 58	1 20	22 14	0 19	20 12	1 33	17 57	0 18	10 11	0 51	5 1	16 56	11 59	12 18	7 22	5 0	1 16
T 12	15 3	2 40	3 40	17 39	2 5	3 43	2 43	16 10	1 20	22 14	0 19	20 13	1 33	17 57	0 18	10 10	0 51	5 1	16 56	11 55	12 17	7 24	5 2	1 16
F 13	14 45	1n19	2 52	17 50	1 48	4 9	2 52	16 22	1 21	22 14	0 18	20 13	1 33	17 57	0 18	10 9	0 51	5 2	16 57	11 53	12 16	7 25	5 4	1 15
S 14	14 27	5 12	1 56	17 59	1 30	4 34	3 0	16 34	1 21	22 15	0 18	20 13	1 32	17 57	0 18	10 8	0 51	5 2	16 57	11 51	12 15	7 27	5 7	1 15
S 15	14 8	8 52	0 56	18 6	1 13	4 59	3 9	16 46	1 22	22 15	0 18	20 13	1 32	17 58	0 18	10 7	0 51	5 2	16 57	11 50	12 14	7 29	5 9	1 14
M16	13 49	12 10	0s 7	18 11	0 57	5 24	3 18	16 58	1 22	22 15	0 18	20 14	1 32	17 58	0 18	10 7	0 51	5 3	16 58	11 50	12 13	7 31	5 11	1 14
T 17	13 30	14 59	1 9	18 14	0 40	5 48	3 27	17 9	1 23	22 15	0 18	20 14	1 32	17 58	0 18	10 6	0 51	5 3	16 58	11 50	12 12	7 33	5 14	1 14
W18	13 11	17 12	2 10	18 13	0 25	6 12	3 36	17 21	1 24	22 16	0 18	20 14	1 32	17 58	0 18	10 5	0 51	5 4	16 58	11 51	12 11	7 34	5 16	1 13
T 19	12 51	18 41	3 6	18 11	0 10	6 36	3 46	17 32	1 24	22 16	0 17	20 14	1 31	17 58	0 18	10 4	0 51	5 4	16 58	11 50	12 9	7 36	5 19	1 13
F 20	12 31	19 17	3 54	18 5	0n 5	6 59	3 55	17 44	1 25	22 16	0 17	20 15	1 31	17 58	0 18	10 3	0 51	5 5	16 59	11 49	12 8	7 38	5 21	1 12
S 21	12 11	18 54	4 32	17 56	0 18	7 22	4 4	17 55	1 25	22 17	0 17	20 15	1 31	17 58	0 18	10 3	0 51	5 5	16 59	11 48	12 7	7 40	5 24	1 12
S 22	11 51	17 28	4 57	17 45	0 31	7 44	4 14	18 7	1 26	22 17	0 17	20 15	1 31	17 58	0 18	10 2	0 51	5 5	16 59	11 45	12 6	7 42	5 26	1 12
M23	11 31	14 59	5 5	17 31	0 42	8 6	4 23	18 18	1 26	22 18	0 17	20 16	1 30	17 58	0 18	10 1	0 51	5 6	17 0	11 42	12 5	7 43	5 29	1 11
T 24	11 10	11 34	4 55	17 13	0 53	8 28	4 33	18 29	1 27	22 18	0 17	20 16	1 30	17 59	0 18	10 0	0 51	5 6	17 0	11 39	12 4	7 45	5 31	1 11
W25	10 50	7 21	4 25	16 53	1 3	8 49	4 43	18 40	1 27	22 19	0 16	20 17	1 30	17 59	0 18	9 59	0 51	5 7	17 0	11 36	12 3	7 47	5 34	1 10
T 26	10 29	2 39	3 38	16 30	1 12	9 9	4 52	18 51	1 27	22 19	0 16	20 17	1 30	17 59	0 18	9 58	0 51	5 7	17 0	11 33	12 2	7 49	5 37	1 10
F 27	10 8	2s15	2 35	16 4	1 19	9 29	5 2	19 2	1 28	22 20	0 16	20 17	1 30	17 59	0 18	9 58	0 51	5 8	17 1	11 31	12 1	7 50	5 39	1 10
S 28	9 47	7 0	1 22	15 36	1 26	9 48	5 12	19 13	1 28	22 20	0 16	20 18	1 29	17 59	0 18	9 57	0 51	5 8	17 1	11 30	11 59	7 52	5 42	1 9
S 29	9 25	11 17	0 4	15 5	1 32	10 7	5 22	19 24	1 29	22 21	0 16	20 18	1 29	17 59	0 18	9 56	0 51	5 9	17 1	11 30	11 58	7 54	5 44	1 9
M30	9 4	14 48	1n13	14 32	1 37	10 25	5 31	19 35	1 29	22 21	0 16	20 19	1 29	17 58	0 18	9 55	0 51	5 9	17 2	11 30	11 57	7 56	5 47	1 8
T 31	8n42	17s22	2n24	13n56	1n41	10s42	5s41	19s45	1s30	22s22	0n15	20s19	1n29	17n58	0s18	9n54	0n51	5s10	17s 2	11s30	11s56	7n57	5s50	1s 8

Julian Day Number = 2307121.5, Delta T = 82.96 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'18, Lahiri = 18°20'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

SEPTEMBER 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 41 32	8♍39'32	11♐32	29♌25	14♎ 9	22♏40	14♐50	8♐37	21°R51	6♍37	27°R57	0°R 1	1♏12	17♈25	12♎13	W 1
T 2	22 45 28	9°37'47	25° 3	1♍20	14°26	23°20	14°54	8°39	21♉51	6°39	27♈56	0♏ 0	1° 9	17°32	12°21	T 2
F 3	22 49 25	10°36'04	8♑17	3°15	14°42	23°59	14°58	8°41	21°51	6°41	27°56	29♎57	1° 6	17°38	12°29	F 3
S 4	22 53 21	11°34'23	21°17	5°10	14°55	24°38	15° 2	8°43	21°50	6°44	27°55	29°52	1° 3	17°45	12°37	S 4
S 5	22 57 18	12°32'43	4♒ 4	7° 5	15° 6	25°18	15° 6	8°45	21°50	6°46	27°54	29°45	1° 0	17°52	12°45	S 5
M 6	23 1 15	13°31'04	16°38	9° 0	15°16	25°57	15°11	8°48	21°50	6°48	27°53	29°36	0°56	17°58	12°53	M 6
T 7	23 5 11	14°29'28	29° 1	10°54	15°23	26°37	15°16	8°50	21°49	6°50	27°53	29°28	0°53	18° 5	13° 1	T 7
W 8	23 9 8	15°27'53	11♓14	12°48	15°28	27°17	15°21	8°53	21°48	6°52	27°52	29°20	0°50	18°12	13° 9	W 8
T 9	23 13 4	16°26'20	23°17	14°41	15°30	27°57	15°26	8°55	21°48	6°55	27°51	29°14	0°47	18°18	13°17	T 9
F 10	23 17 1	17°24'49	5♈13	16°33	15°R31	28°37	15°31	8°58	21°47	6°57	27°50	29° 9	0°44	18°25	13°25	F 10
S 11	23 20 57	18°23'20	17° 3	18°24	15°29	29°18	15°37	9° 1	21°47	6°59	27°49	29° 6	0°41	18°31	13°34	S 11
S 12	23 24 54	19°21'53	28°49	20°15	15°24	29°58	15°42	9° 3	21°46	7° 1	27°48	29°D 5	0°37	18°38	13°42	S 12
M13	23 28 50	20°20'28	10♉36	22° 4	15°17	0♐39	15°48	9° 6	21°45	7° 3	27°48	29° 6	0°34	18°45	13°50	M13
T 14	23 32 47	21°19'06	22°28	23°53	15° 8	1°19	15°54	9° 9	21°44	7° 6	27°47	29° 8	0°31	18°51	13°59	T 14
W15	23 36 43	22°17'45	4♊27	25°40	14°57	2° 0	16° 0	9°12	21°43	7° 8	27°46	29° 9	0°28	18°58	14° 7	W15
T 16	23 40 40	23°16'27	16°40	27°27	14°43	2°41	16° 7	9°16	21°42	7°10	27°45	29°10	0°25	19° 5	14°15	T 16
F 17	23 44 37	24°15'11	29°12	29°12	14°27	3°22	16°13	9°19	21°41	7°12	27°44	29°R11	0°22	19°11	14°24	F 17
S 18	23 48 33	25°13'58	12♋ 6	0♎57	14° 8	4° 3	16°20	9°22	21°40	7°14	27°43	29° 9	0°18	19°18	14°32	S 18
S 19	23 52 30	26°12'46	25°26	2°40	13°47	4°45	16°26	9°26	21°39	7°16	27°42	29° 7	0°15	19°25	14°41	S 19
M20	23 56 26	27°11'37	9♌15	4°23	13°24	5°26	16°33	9°29	21°38	7°18	27°41	29° 3	0°12	19°31	14°49	M20
T 21	0 0 23	28°10'31	23°32	6° 5	12°59	6° 8	16°40	9°33	21°37	7°21	27°40	28°58	0° 9	19°38	14°58	T 21
W22	0 4 19	29° 9'26	8♍13	7°46	12°32	6°49	16°47	9°37	21°36	7°23	27°39	28°54	0° 6	19°45	15° 6	W22
T 23	0 8 16	0♎ 8'23	23°12	9°26	12° 4	7°31	16°55	9°40	21°34	7°25	27°38	28°50	0° 2	19°51	15°15	T 23
F 24	0 12 12	1° 7'23	8♎20	11° 5	11°33	8°13	17° 2	9°44	21°33	7°27	27°37	28°47	29♎59	19°58	15°23	F 24
S 25	0 16 9	2° 6'24	23°28	12°43	11° 1	8°55	17°10	9°48	21°32	7°29	27°36	28°D46	29°56	20° 5	15°32	S 25
S 26	0 20 6	3° 5'28	8♏28	14°20	10°28	9°37	17°17	9°52	21°30	7°31	27°35	28°46	29°53	20°11	15°41	S 26
M27	0 24 2	4° 4'33	23°10	15°56	9°54	10°19	17°25	9°56	21°29	7°33	27°34	28°47	29°50	20°18	15°49	M27
T 28	0 27 59	5° 3'41	7♐32	17°32	9°18	11° 1	17°33	10° 0	21°27	7°35	27°33	28°49	29°47	20°24	15°58	T 28
W29	0 31 55	6° 2'50	21°29	19° 7	8°42	11°44	17°41	10° 5	21°26	7°37	27°32	28°50	29°43	20°31	16° 7	W29
T 30	0 35 52	7♎ 2'01	5♑ 3	20♎41	8♎ 6	12♐26	17♐50	10♐ 9	21♉24	7♍39	27♈31	28°R51	29♎40	20♈38	16♎15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n20	18s50	3n25	13n19	1n44	10s58	5s51	19s56	1s30	22s22	0n15	20s20	1n29	17n58	0s18	9n54	0n51	5s10	17s 2	11s30	11s55	7n59	5s53	1s 8
T 2	7 58	19 11	4 13	12 41	1 46	11 14	6 1	20 6	1 30	22 23	0 15	20 20	1 28	17 58	0 18	9 53	0 51	5 11	17 2	11 30	11 54	8 1	5 55	1 7
F 3	7 36	18 28	4 46	12 0	1 47	11 29	6 10	20 16	1 31	22 24	0 15	20 21	1 28	17 58	0 18	9 52	0 51	5 11	17 3	11 29	11 53	8 3	5 58	1 7
S 4	7 14	16 47	5 5	11 19	1 48	11 43	6 20	20 26	1 31	22 24	0 15	20 21	1 28	17 58	0 18	9 51	0 51	5 11	17 3	11 27	11 52	8 4	6 1	1 7
S 5	6 52	14 18	5 7	10 36	1 48	11 56	6 29	20 36	1 31	22 25	0 15	20 22	1 28	17 58	0 18	9 50	0 51	5 12	17 3	11 24	11 51	8 6	6 4	1 6
M 6	6 30	11 12	4 55	9 52	1 47	12 8	6 39	20 46	1 32	22 26	0 14	20 22	1 27	17 58	0 18	9 49	0 51	5 12	17 3	11 21	11 50	8 8	6 7	1 6
T 7	6 7	7 39	4 28	9 7	1 46	12 20	6 48	20 56	1 32	22 26	0 14	20 23	1 27	17 58	0 18	9 49	0 51	5 13	17 4	11 18	11 48	8 10	6 9	1 6
W 8	5 44	3 49	3 50	8 22	1 44	12 30	6 57	21 5	1 32	22 27	0 14	20 24	1 27	17 58	0 18	9 48	0 51	5 13	17 4	11 16	11 47	8 11	6 12	1 5
T 9	5 22	0n 7	3 2	7 36	1 41	12 39	7 5	21 15	1 32	22 28	0 14	20 24	1 27	17 57	0 18	9 47	0 51	5 14	17 4	11 13	11 46	8 13	6 15	1 5
F 10	4 59	4 0	2 6	6 50	1 38	12 47	7 14	21 24	1 33	22 28	0 14	20 25	1 27	17 57	0 18	9 46	0 51	5 14	17 4	11 12	11 45	8 15	6 18	1 5
S 11	4 36	7 43	1 5	6 3	1 35	12 54	7 22	21 33	1 33	22 29	0 14	20 25	1 26	17 57	0 18	9 45	0 51	5 15	17 4	11 11	11 44	8 17	6 21	1 4
S 12	4 13	11 6	0 1	5 16	1 31	12 59	7 30	21 42	1 33	22 30	0 13	20 26	1 26	17 57	0 18	9 45	0 51	5 15	17 5	11 10	11 43	8 18	6 24	1 4
M13	3 50	14 3	1s 2	4 29	1 27	13 3	7 38	21 51	1 34	22 31	0 13	20 27	1 26	17 57	0 18	9 44	0 51	5 16	17 5	11 11	11 42	8 20	6 27	1 3
T 14	3 27	16 25	2 4	3 41	1 22	13 6	7 45	22 0	1 34	22 31	0 13	20 27	1 26	17 56	0 18	9 43	0 51	5 16	17 5	11 11	11 41	8 22	6 30	1 3
W15	3 4	18 6	3 1	2 54	1 17	13 8	7 51	22 8	1 34	22 32	0 13	20 28	1 26	17 56	0 18	9 42	0 51	5 17	17 5	11 12	11 40	8 24	6 33	1 3
T 16	2 41	18 59	3 51	2 7	1 12	13 8	7 58	22 17	1 34	22 33	0 13	20 29	1 25	17 56	0 18	9 41	0 51	5 17	17 5	11 12	11 38	8 25	6 35	1 2
F 17	2 17	18 58	4 31	1 20	1 6	13 7	8 3	22 25	1 34	22 34	0 13	20 29	1 25	17 56	0 18	9 41	0 51	5 18	17 6	11 12	11 37	8 27	6 38	1 2
S 18	1 54	17 58	4 59	0 33	1 1	13 4	8 8	22 33	1 35	22 35	0 13	20 30	1 25	17 55	0 18	9 40	0 51	5 18	17 6	11 12	11 36	8 29	6 41	1 2
S 19	1 31	15 58	5 12	0s14	0 55	13 0	8 13	22 41	1 35	22 35	0 12	20 31	1 25	17 55	0 18	9 39	0 51	5 19	17 6	11 11	11 35	8 31	6 44	1 1
M20	1 7	13 1	5 8	1 0	0 48	12 55	8 17	22 49	1 35	22 36	0 12	20 31	1 25	17 55	0 18	9 38	0 51	5 19	17 6	11 9	11 34	8 32	6 47	1 1
T 21	0 44	9 13	4 45	1 47	0 42	12 48	8 20	22 56	1 35	22 37	0 12	20 32	1 25	17 55	0 18	9 38	0 51	5 20	17 6	11 8	11 33	8 34	6 50	1 1
W22	0 20	4 45	4 3	2 32	0 36	12 39	8 22	23 3	1 35	22 38	0 12	20 33	1 24	17 54	0 18	9 37	0 51	5 20	17 6	11 6	11 32	8 36	6 53	1 0
T 23	0s 3	0s 6	3 3	3 18	0 29	12 29	8 23	23 11	1 35	22 39	0 12	20 34	1 24	17 54	0 18	9 36	0 51	5 21	17 7	11 5	11 31	8 37	6 56	1 0
F 24	0 27	5 0	1 50	4 3	0 22	12 18	8 24	23 18	1 36	22 40	0 12	20 34	1 24	17 54	0 18	9 35	0 51	5 21	17 7	11 4	11 29	8 39	6 59	1 0
S 25	0 50	9 35	0 29	4 48	0 15	12 5	8 24	23 24	1 36	22 41	0 12	20 35	1 24	17 53	0 18	9 35	0 51	5 22	17 7	11 4	11 28	8 41	7 2	0 59
S 26	1 14	13 31	0n53	5 32	0 9	11 51	8 23	23 31	1 36	22 41	0 11	20 36	1 24	17 53	0 18	9 34	0 51	5 22	17 7	11 4	11 27	8 43	7 6	0 59
M27	1 37	16 30	2 11	6 16	0 2	11 35	8 21	23 37	1 36	22 42	0 11	20 37	1 23	17 52	0 18	9 33	0 51	5 23	17 7	11 4	11 26	8 44	7 9	0 59
T 28	2 1	18 21	3 18	6 59	0s 5	11 18	8 18	23 44	1 36	22 43	0 11	20 37	1 23	17 52	0 18	9 32	0 51	5 23	17 7	11 5	11 25	8 46	7 12	0 59
W29	2 24	19 2	4 11	7 41	0 12	11 1	8 14	23 50	1 36	22 44	0 11	20 38	1 23	17 52	0 18	9 32	0 52	5 23	17 7	11 5	11 24	8 48	7 15	0 58
T 30	2s48	18s35	4n49	8s24	0s20	10s42	8s 9	23s55	1s36	22s45	0n11	20s39	1n23	17n51	0s18	9n31	0n52	5s24	17s 8	11s 5	11s23	8n49	7s18	0s58

Julian Day Number = 2307152.5, Delta T = 82.86 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'22, Lahiri = 18°20'23Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1604
geocentric

OCTOBER 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 39 48	8♎ 1'13	18♑15	22♎14	7°R29	13♐ 9	17♐58	10♐13	21°R23	7♍41	27°R30	28°R50	29♎37	20♈44	16♎24	F 1
S 2	0 43 45	9° 0'28	1♒ 7	23°47	6♎52	13°52	18° 6	10°18	21♑21	7°43	27♈29	28♎49	29°34	20°51	16°33	S 2
S 3	0 47 41	9°59'44	13°41	25°18	6°15	14°35	18°15	10°22	21°19	7°45	27°28	28°47	29°31	20°58	16°41	S 3
M 4	0 51 38	10°59'02	26° 2	26°49	5°39	15°17	18°24	10°27	21°18	7°47	27°27	28°44	29°27	21° 4	16°50	M 4
T 5	0 55 35	11°58'22	8♓12	28°19	5° 4	16° 0	18°33	10°32	21°16	7°49	27°26	28°42	29°24	21°11	16°59	T 5
W 6	0 59 31	12°57'43	20°13	29°49	4°30	16°44	18°42	10°36	21°14	7°51	27°25	28°39	29°21	21°18	17° 8	W 6
T 7	1 3 28	13°57'07	2♈ 7	1♏17	3°57	17°27	18°51	10°41	21°12	7°53	27°24	28°37	29°18	21°24	17°16	T 7
F 8	1 7 24	14°56'33	13°57	2°45	3°25	18°10	19° 0	10°46	21°11	7°54	27°23	28°36	29°15	21°31	17°25	F 8
S 9	1 11 21	15°56'00	25°45	4°12	2°55	18°53	19° 9	10°51	21° 9	7°56	27°21	28°D35	29°12	21°38	17°34	S 9
S 10	1 15 17	16°55'30	7♉33	5°39	2°26	19°37	19°19	10°56	21° 7	7°58	27°20	28°36	29° 8	21°44	17°43	S 10
M11	1 19 14	17°55'02	19°23	7° 4	2° 0	20°20	19°29	11° 1	21° 5	8° 0	27°19	28°36	29° 5	21°51	17°51	M11
T 12	1 23 10	18°54'36	1♊18	8°29	1°36	21° 4	19°38	11° 6	21° 3	8° 2	27°18	28°37	29° 2	21°57	18° 0	T 12
W13	1 27 7	19°54'13	13°22	9°53	1°13	21°48	19°48	11°11	21° 1	8° 4	27°17	28°38	28°59	22° 4	18° 9	W13
T 14	1 31 4	20°53'52	25°37	11°15	0°54	22°31	19°58	11°17	20°59	8° 5	27°16	28°39	28°56	22°11	18°18	T 14
F 15	1 35 0	21°53'33	8♋ 8	12°37	0°36	23°15	20° 8	11°22	20°57	8° 7	27°15	28°39	28°53	22°17	18°26	F 15
S 16	1 38 57	22°53'16	20°58	13°58	0°21	23°59	20°18	11°27	20°55	8° 9	27°14	28°R40	28°49	22°24	18°35	S 16
S 17	1 42 53	23°53'01	4♌12	15°18	0° 8	24°43	20°28	11°33	20°52	8°10	27°12	28°40	28°46	22°31	18°44	S 17
M18	1 46 50	24°52'49	17°50	16°37	29♍58	25°27	20°39	11°38	20°50	8°12	27°11	28°39	28°43	22°37	18°52	M18
T 19	1 50 46	25°52'39	1♍56	17°55	29°50	26°12	20°49	11°44	20°48	8°14	27°10	28°39	28°40	22°44	19° 1	T 19
W20	1 54 43	26°52'32	16°26	19°11	29°44	26°56	21° 0	11°49	20°46	8°15	27° 9	28°39	28°37	22°51	19°10	W20
T 21	1 58 39	27°52'26	1♎18	20°26	29°42	27°40	21°10	11°55	20°44	8°17	27° 8	28°39	28°33	22°57	19°19	T 21
F 22	2 2 36	28°52'23	16°24	21°39	29°D41	28°25	21°21	12° 1	20°41	8°19	27° 7	28°D39	28°30	23° 4	19°27	F 22
S 23	2 6 32	29°52'21	1♏37	22°51	29°43	29° 9	21°32	12° 7	20°39	8°20	27° 6	28°R39	28°27	23°11	19°36	S 23
S 24	2 10 29	0♏52'22	16°46	24° 1	29°47	29°54	21°43	12°12	20°37	8°22	27° 5	28°39	28°24	23°17	19°45	S 24
M25	2 14 26	1°52'25	1♐43	25° 9	29°54	0♑38	21°54	12°18	20°34	8°23	27° 3	28°38	28°21	23°24	19°53	M25
T 26	2 18 22	2°52'29	16°19	26°14	0♎ 3	1°23	22° 5	12°24	20°32	8°25	27° 2	28°38	28°18	23°31	20° 2	T 26
W27	2 22 19	3°52'35	0♑30	27°17	0°14	2° 8	22°16	12°30	20°30	8°26	27° 1	28°37	28°14	23°37	20°10	W27
T 28	2 26 15	4°52'42	14°14	28°17	0°27	2°53	22°28	12°36	20°27	8°27	27° 0	28°37	28°11	23°44	20°19	T 28
F 29	2 30 12	5°52'51	27°31	29°14	0°42	3°38	22°39	12°42	20°25	8°29	26°59	28°36	28° 8	23°50	20°28	F 29
S 30	2 34 8	6°53'02	10♒24	0♐ 7	1° 0	4°23	22°51	12°49	20°22	8°30	26°58	28°D36	28° 5	23°57	20°36	S 30
S 31	2 38 5	7♏53'14	22♒55	0♐57	1♎19	5♑ 8	23♐ 2	12♐55	20♑20	8♍32	26♈57	28♎37	28♎ 2	24♈ 4	20♎45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	3s11	17s 7	5n10	9s 5	0s27	10s22	8s 3	24s 1	1s36	22s46	0n11	20s40	1n23	17n51	0s18	9n30	0n52	5s24	17s 8	11s 5	11s22	8n51	7s21	0s58	F 1
S 2	3 35	14 49	5 16	9 46	0 34	10 1	7 57	24 6	1 36	22 47	0 11	20 41	1 22	17 50	0 18	9 29	0 52	5 25	17 8	11 5	11 20	8 53	7 24	0 57	S 2
S 3	3 58	11 52	5 5	10 26	0 41	9 40	7 50	24 11	1 36	22 48	0 10	20 41	1 22	17 50	0 18	9 29	0 52	5 25	17 8	11 4	11 19	8 54	7 27	0 57	S 3
M 4	4 21	8 27	4 41	11 6	0 48	9 18	7 41	24 16	1 36	22 49	0 10	20 42	1 22	17 49	0 18	9 28	0 52	5 26	17 8	11 3	11 18	8 56	7 30	0 57	M 4
T 5	4 45	4 44	4 4	11 45	0 55	8 56	7 32	24 21	1 36	22 49	0 10	20 43	1 22	17 49	0 18	9 27	0 52	5 26	17 8	11 2	11 17	8 58	7 33	0 56	T 5
W 6	5 8	0 52	3 17	12 24	1 2	8 33	7 22	24 25	1 36	22 50	0 10	20 44	1 22	17 49	0 18	9 27	0 52	5 27	17 8	11 1	11 16	9 0	7 36	0 56	W 6
T 7	5 31	3n 0	2 22	13 1	1 9	8 10	7 12	24 30	1 36	22 51	0 10	20 45	1 22	17 48	0 18	9 26	0 52	5 27	17 8	11 0	11 15	9 1	7 39	0 56	T 7
F 8	5 54	6 45	1 20	13 38	1 16	7 47	7 1	24 34	1 36	22 52	0 10	20 46	1 21	17 48	0 18	9 25	0 52	5 28	17 8	11 0	11 14	9 3	7 42	0 55	F 8
S 9	6 17	10 13	0 16	14 14	1 22	7 25	6 49	24 37	1 36	22 53	0 10	20 47	1 21	17 47	0 18	9 25	0 52	5 28	17 8	11 0	11 13	9 5	7 45	0 55	S 9
S 10	6 40	13 16	0s50	14 50	1 29	7 2	6 37	24 41	1 36	22 54	0 10	20 47	1 21	17 47	0 18	9 24	0 52	5 28	17 8	11 0	11 11	9 6	7 48	0 55	S 10
M11	7 3	15 48	1 53	15 24	1 35	6 40	6 24	24 44	1 36	22 55	0 9	20 48	1 21	17 46	0 18	9 23	0 52	5 29	17 8	11 0	11 10	9 8	7 52	0 55	M11
T 12	7 25	17 39	2 52	15 58	1 42	6 18	6 11	24 47	1 36	22 56	0 9	20 49	1 21	17 46	0 18	9 23	0 52	5 29	17 8	11 0	11 9	9 10	7 55	0 54	T 12
W13	7 48	18 45	3 44	16 31	1 48	5 57	5 58	24 50	1 36	22 57	0 9	20 50	1 21	17 45	0 18	9 22	0 52	5 30	17 9	11 1	11 8	9 11	7 58	0 54	W13
T 14	8 10	18 58	4 27	17 3	1 54	5 37	5 44	24 53	1 36	22 58	0 9	20 51	1 21	17 44	0 18	9 21	0 52	5 30	17 9	11 1	11 7	9 13	8 1	0 54	T 14
F 15	8 33	18 17	4 58	17 34	2 0	5 17	5 30	24 55	1 36	22 58	0 9	20 52	1 20	17 44	0 18	9 21	0 52	5 30	17 9	11 1	11 6	9 15	8 4	0 53	F 15
S 16	8 55	16 39	5 15	18 4	2 6	4 58	5 16	24 57	1 36	22 59	0 9	20 53	1 20	17 43	0 18	9 20	0 52	5 31	17 9	11 1	11 5	9 16	8 7	0 53	S 16
S 17	9 17	14 7	5 17	18 33	2 11	4 40	5 2	24 59	1 36	23 0	0 9	20 54	1 20	17 43	0 18	9 20	0 52	5 31	17 9	11 1	11 4	9 18	8 10	0 53	S 17
M18	9 39	10 45	5 1	19 1	2 16	4 23	4 48	25 0	1 36	23 1	0 8	20 54	1 20	17 42	0 18	9 19	0 52	5 32	17 9	11 1	11 2	9 20	8 13	0 52	M18
T 19	10 1	6 40	4 26	19 28	2 21	4 7	4 33	25 2	1 36	23 2	0 8	20 55	1 20	17 42	0 18	9 18	0 52	5 32	17 9	11 1	11 1	9 21	8 16	0 52	T 19
W20	10 23	2 5	3 34	19 54	2 26	3 51	4 19	25 3	1 35	23 3	0 8	20 56	1 20	17 41	0 18	9 18	0 52	5 32	17 9	11 1	11 0	9 23	8 19	0 52	W20
T 21	10 44	2s45	2 27	20 19	2 30	3 37	4 5	25 3	1 35	23 4	0 8	20 57	1 19	17 40	0 18	9 17	0 52	5 33	17 9	11 1	10 59	9 25	8 22	0 52	T 21
F 22	11 6	7 30	1 8	20 42	2 35	3 24	3 51	25 4	1 35	23 4	0 8	20 58	1 19	17 40	0 18	9 17	0 52	5 33	17 9	11 1	10 58	9 26	8 25	0 51	F 22
S 23	11 27	11 48	0n17	21 4	2 38	3 12	3 37	25 4	1 35	23 5	0 8	20 59	1 19	17 39	0 18	9 16	0 52	5 33	17 9	11 1	10 57	9 28	8 28	0 51	S 23
S 24	11 48	15 18	1 39	21 25	2 41	3 1	3 23	25 4	1 35	23 6	0 8	21 0	1 19	17 39	0 18	9 16	0 52	5 34	17 8	11 1	10 56	9 30	8 31	0 51	S 24
M25	12 9	17 42	2 54	21 45	2 44	2 51	3 9	25 4	1 35	23 7	0 8	21 1	1 19	17 38	0 18	9 15	0 52	5 34	17 8	11 1	10 54	9 31	8 34	0 50	M25
T 26	12 30	18 53	3 55	22 3	2 47	2 42	2 56	25 3	1 34	23 8	0 8	21 2	1 19	17 37	0 18	9 14	0 52	5 35	17 8	11 1	10 53	9 33	8 37	0 50	T 26
W27	12 50	18 49	4 41	22 20	2 49	2 34	2 42	25 3	1 34	23 8	0 7	21 3	1 19	17 37	0 18	9 14	0 52	5 35	17 8	11 0	10 52	9 34	8 40	0 50	W27
T 28	13 10	17 37	5 8	22 35	2 50	2 28	2 29	25 1	1 34	23 9	0 7	21 3	1 18	17 36	0 18	9 13	0 52	5 35	17 8	11 0	10 51	9 36	8 43	0 50	T 28
F 29	13 31	15 30	5 18	22 48	2 50	2 22	2 17	25 0	1 34	23 10	0 7	21 4	1 18	17 36	0 18	9 13	0 52	5 36	17 8	11 0	10 50	9 38	8 46	0 49	F 29
S 30	13 50	12 40	5 11	23 0	2 50	2 18	2 4	24 59	1 34	23 11	0 7	21 5	1 18	17 35	0 18	9 12	0 52	5 36	17 8	11 0	10 49	9 39	8 49	0 49	S 30
S 31	14s10	9s20	4n50	23s 9	2s50	2s14	1s52	24s57	1s33	23s11	0n 7	21s 6	1n18	17n34	0s18	9n12	0n52	5s36	17s 8	11s 0	10s48	9n41	8s52	0s49	S 31

Julian Day Number = 2307182.5, Delta T = 82.76 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'26, Lahiri = 18°20'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

NOVEMBER 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 42 1	8♏53'28	5♓10	1♐42	1♎40	5♑53	23♐14	13♐ 1	20°R18	8♍33	26°R56	28♎37	27♎59	24♈10	20♎53	M 1
T 2	2 45 58	9°53'43	17°12	2°22	2° 3	6°38	23°26	13° 7	20♉15	8°34	26♈54	28°39	27°55	24°17	21° 2	T 2
W 3	2 49 55	10°54'00	29° 6	2°56	2°28	7°23	23°37	13°13	20°13	8°35	26°53	28°40	27°52	24°24	21°10	W 3
T 4	2 53 51	11°54'18	10♈55	3°24	2°55	8° 9	23°49	13°20	20°10	8°37	26°52	28°41	27°49	24°30	21°18	T 4
F 5	2 57 48	12°54'38	22°42	3°46	3°23	8°54	24° 1	13°26	20° 8	8°38	26°51	28°42	27°46	24°37	21°27	F 5
S 6	3 1 44	13°54'59	4♉30	4° 0	3°53	9°39	24°13	13°33	20° 5	8°39	26°50	28°R42	27°43	24°44	21°35	S 6
S 7	3 5 41	14°55'22	16°23	4°R 5	4°24	10°25	24°25	13°39	20° 3	8°40	26°49	28°41	27°39	24°50	21°43	S 7
M 8	3 9 37	15°55'47	28°20	4° 2	4°57	11°10	24°37	13°46	20° 0	8°41	26°48	28°39	27°36	24°57	21°52	M 8
T 9	3 13 34	16°56'14	10♊26	3°49	5°32	11°56	24°50	13°52	19°58	8°42	26°47	28°36	27°33	25° 4	22° 0	T 9
W10	3 17 30	17°56'42	22°40	3°26	6° 8	12°41	25° 2	13°59	19°55	8°43	26°46	28°33	27°30	25°10	22° 8	W10
T 11	3 21 27	18°57'13	5♋ 5	2°53	6°45	13°27	25°14	14° 5	19°53	8°44	26°45	28°30	27°27	25°17	22°16	T 11
F 12	3 25 24	19°57'44	17°44	2° 9	7°24	14°13	25°27	14°12	19°50	8°45	26°44	28°27	27°24	25°23	22°25	F 12
S 13	3 29 20	20°58'18	0♌38	1°16	8° 3	14°59	25°39	14°19	19°48	8°46	26°43	28°25	27°20	25°30	22°33	S 13
S 14	3 33 17	21°58'54	13°49	0°13	8°44	15°44	25°52	14°25	19°45	8°47	26°42	28°23	27°17	25°37	22°41	S 14
M15	3 37 13	22°59'31	27°19	29♏ 2	9°26	16°30	26° 5	14°32	19°43	8°48	26°41	28°D23	27°14	25°43	22°49	M15
T 16	3 41 10	24° 0'10	11♍10	27°45	10°10	17°16	26°17	14°39	19°40	8°49	26°40	28°24	27°11	25°50	22°57	T 16
W17	3 45 6	25° 0'50	25°23	26°25	10°54	18° 2	26°30	14°45	19°38	8°50	26°39	28°26	27° 8	25°57	23° 5	W17
T 18	3 49 3	26° 1'33	9♎55	25° 3	11°39	18°48	26°43	14°52	19°35	8°51	26°38	28°27	27° 4	26° 3	23°13	T 18
F 19	3 52 59	27° 2'17	24°43	23°42	12°26	19°34	26°56	14°59	19°33	8°51	26°37	28°R28	27° 1	26°10	23°21	F 19
S 20	3 56 56	28° 3'02	9♏42	22°26	13°13	20°20	27° 9	15° 6	19°30	8°52	26°36	28°28	26°58	26°17	23°28	S 20
S 21	4 0 53	29° 3'49	24°44	21°16	14° 1	21° 6	27°22	15°13	19°28	8°53	26°35	28°26	26°55	26°23	23°36	S 21
M22	4 4 49	0♐ 4'38	9♐39	20°15	14°50	21°52	27°35	15°20	19°25	8°53	26°34	28°22	26°52	26°30	23°44	M22
T 23	4 8 46	1° 5'28	24°20	19°25	15°40	22°39	27°48	15°27	19°23	8°54	26°33	28°17	26°49	26°37	23°51	T 23
W24	4 12 42	2° 6'18	8♑39	18°45	16°31	23°25	28° 1	15°33	19°20	8°55	26°32	28°12	26°45	26°43	23°59	W24
T 25	4 16 39	3° 7'10	22°32	18°16	17°23	24°11	28°14	15°40	19°18	8°55	26°31	28° 7	26°42	26°50	24° 7	T 25
F 26	4 20 35	4° 8'03	5♒57	18° 0	18°15	24°57	28°27	15°47	19°16	8°56	26°30	28° 2	26°39	26°57	24°14	F 26
S 27	4 24 32	5° 8'57	18°55	17°D54	19° 8	25°44	28°40	15°54	19°13	8°56	26°29	27°59	26°36	27° 3	24°22	S 27
S 28	4 28 28	6° 9'51	1♓30	17°59	20° 2	26°30	28°54	16° 1	19°11	8°57	26°29	27°D58	26°33	27°10	24°29	S 28
M29	4 32 25	7°10'46	13°45	18°14	20°56	27°16	29° 7	16° 8	19° 8	8°57	26°28	27°58	26°30	27°16	24°36	M29
T 30	4 36 22	8♐11'42	25♓45	18♏38	21♎51	28♑ 3	29♐20	16♐15	19♉ 6	8♍58	26♈27	27♎59	26♎26	27♈23	24♎43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s29	5s40	4n16	23s17	2s48	2s11	1s40	24s55	1s33	23s12	0n 7	21s 7	1n18	17n34	0s18	9n12	0n52	5s36	17s 8	11s 0	10s47	9n43	8s55	0s49
T 2	14 49	1 50	3 31	23 23	2 45	2 10	1 28	24 52	1 33	23 13	0 7	21 8	1 18	17 33	0 18	9 11	0 53	5 37	17 8	11 1	10 45	9 44	8 58	0 48
W 3	15 8	2n 2	2 37	23 26	2 42	2 9	1 17	24 49	1 33	23 13	0 7	21 9	1 18	17 32	0 18	9 11	0 53	5 37	17 8	11 1	10 44	9 46	9 1	0 48
T 4	15 26	5 49	1 37	23 27	2 37	2 10	1 6	24 47	1 32	23 14	0 7	21 10	1 18	17 32	0 18	9 10	0 53	5 37	17 8	11 2	10 43	9 48	9 4	0 48
F 5	15 45	9 22	0 33	23 25	2 31	2 11	0 55	24 43	1 32	23 15	0 6	21 11	1 17	17 31	0 18	9 10	0 53	5 38	17 8	11 2	10 42	9 49	9 7	0 47
S 6	16 3	12 33	0s32	23 21	2 24	2 13	0 44	24 40	1 32	23 15	0 6	21 12	1 17	17 30	0 18	9 9	0 53	5 38	17 7	11 2	10 41	9 51	9 10	0 47
S 7	16 21	15 14	1 36	23 14	2 16	2 16	0 34	24 36	1 32	23 16	0 6	21 12	1 17	17 30	0 18	9 9	0 53	5 38	17 7	11 2	10 40	9 52	9 13	0 47
M 8	16 38	17 17	2 37	23 3	2 6	2 20	0 24	24 32	1 31	23 17	0 6	21 13	1 17	17 29	0 18	9 9	0 53	5 38	17 7	11 1	10 39	9 54	9 15	0 47
T 9	16 56	18 35	3 31	22 49	1 54	2 25	0 14	24 28	1 31	23 17	0 6	21 14	1 17	17 28	0 18	9 8	0 53	5 39	17 7	11 0	10 37	9 56	9 18	0 46
W10	17 13	19 2	4 16	22 32	1 41	2 30	0 4	24 23	1 31	23 18	0 6	21 15	1 17	17 28	0 18	9 8	0 53	5 39	17 7	10 59	10 36	9 57	9 21	0 46
T 11	17 30	18 34	4 50	22 11	1 26	2 37	0n 5	24 18	1 30	23 18	0 6	21 16	1 17	17 27	0 18	9 8	0 53	5 39	17 7	10 58	10 35	9 59	9 24	0 46
F 12	17 46	17 11	5 10	21 47	1 10	2 44	0 14	24 13	1 30	23 19	0 6	21 17	1 17	17 26	0 18	9 7	0 53	5 39	17 7	10 57	10 34	10 0	9 27	0 46
S 13	18 2	14 56	5 15	21 18	0 52	2 52	0 22	24 8	1 30	23 19	0 6	21 18	1 17	17 26	0 18	9 7	0 53	5 39	17 6	10 56	10 33	10 2	9 29	0 45
S 14	18 18	11 52	5 4	20 47	0 33	3 0	0 31	24 2	1 29	23 20	0 5	21 19	1 16	17 25	0 18	9 7	0 53	5 40	17 6	10 55	10 32	10 4	9 32	0 45
M15	18 34	8 6	4 36	20 12	0 13	3 9	0 39	23 56	1 29	23 20	0 5	21 20	1 16	17 24	0 18	9 6	0 53	5 40	17 6	10 55	10 31	10 5	9 35	0 45
T 16	18 49	3 49	3 52	19 35	0n 7	3 19	0 46	23 50	1 29	23 21	0 5	21 20	1 16	17 24	0 18	9 6	0 53	5 40	17 6	10 56	10 29	10 7	9 38	0 45
W17	19 4	0s48	2 52	18 56	0 28	3 30	0 54	23 44	1 28	23 21	0 5	21 21	1 16	17 23	0 18	9 6	0 53	5 40	17 6	10 56	10 28	10 8	9 40	0 44
T 18	19 18	5 28	1 40	18 17	0 48	3 41	1 1	23 37	1 28	23 22	0 5	21 22	1 16	17 22	0 18	9 5	0 53	5 40	17 6	10 57	10 27	10 10	9 43	0 44
F 19	19 32	9 55	0 21	17 39	1 8	3 52	1 8	23 30	1 28	23 22	0 5	21 23	1 16	17 22	0 18	9 5	0 53	5 40	17 5	10 57	10 26	10 12	9 46	0 44
S 20	19 46	13 47	1n 1	17 2	1 26	4 5	1 15	23 23	1 27	23 23	0 5	21 24	1 16	17 21	0 18	9 5	0 53	5 41	17 5	10 57	10 25	10 13	9 48	0 43
S 21	19 59	16 44	2 19	16 29	1 42	4 17	1 22	23 15	1 27	23 23	0 5	21 25	1 16	17 20	0 18	9 5	0 53	5 41	17 5	10 56	10 24	10 15	9 51	0 43
M22	20 12	18 32	3 27	15 59	1 56	4 30	1 28	23 8	1 26	23 23	0 5	21 25	1 16	17 20	0 18	9 5	0 53	5 41	17 5	10 55	10 23	10 16	9 54	0 43
T 23	20 25	19 3	4 19	15 33	2 9	4 44	1 34	23 0	1 26	23 24	0 4	21 26	1 16	17 19	0 18	9 4	0 53	5 41	17 5	10 53	10 21	10 18	9 56	0 43
W24	20 37	18 19	4 54	15 13	2 19	4 58	1 40	22 51	1 26	23 24	0 4	21 27	1 16	17 18	0 18	9 4	0 53	5 41	17 4	10 51	10 20	10 20	9 59	0 42
T 25	20 49	16 29	5 11	14 57	2 27	5 13	1 45	22 43	1 25	23 24	0 4	21 28	1 15	17 18	0 18	9 4	0 53	5 41	17 4	10 49	10 19	10 21	10 1	0 42
F 26	21 1	13 50	5 9	14 47	2 33	5 28	1 51	22 34	1 25	23 25	0 4	21 29	1 15	17 17	0 18	9 4	0 53	5 41	17 4	10 48	10 18	10 23	10 4	0 42
S 27	21 12	10 33	4 52	14 42	2 37	5 43	1 56	22 25	1 24	23 25	0 4	21 30	1 15	17 16	0 18	9 4	0 53	5 41	17 4	10 47	10 17	10 24	10 6	0 42
S 28	21 23	6 54	4 21	14 41	2 39	5 59	2 1	22 16	1 24	23 25	0 4	21 30	1 15	17 16	0 18	9 4	0 54	5 41	17 3	10 46	10 16	10 26	10 9	0 41
M29	21 33	3 3	3 38	14 44	2 40	6 15	2 5	22 7	1 23	23 25	0 4	21 31	1 15	17 15	0 18	9 3	0 54	5 41	17 3	10 46	10 14	10 27	10 11	0 41
T 30	21s43	0n52	2n47	14s51	2n39	6s31	2n10	21s57	1s23	23s25	0n 4	21s32	1n15	17n15	0s18	9n 3	0n54	5s41	17s 3	10s47	10s13	10n29	10s14	0s41

Julian Day Number = 2307213.5, Delta T = 82.65 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'31, Lahiri = 18°20'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1604
geocentric

DECEMBER 1604 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 40 18	9♐12'39	7♈37	19♏10	22♎47	28♑49	29♐34	16♐22	19°R 4	8♍58	26°R26	28♎ 1	26♎23	27♈30	24♎51	W 1
T 2	4 44 15	10°13'36	19°24	19°49	23°43	29°36	29°47	16°29	19♉ 1	8°58	26♈25	28° 2	26°20	27°36	24°58	T 2
F 3	4 48 11	11°14'34	1♉11	20°35	24°40	0♒22	0♑ 1	16°36	18°59	8°58	26°25	28°R 3	26°17	27°43	25° 5	F 3
S 4	4 52 8	12°15'33	13° 2	21°26	25°37	1° 9	0°14	16°43	18°57	8°59	26°24	28° 1	26°14	27°50	25°12	S 4
S 5	4 56 4	13°16'33	25° 1	22°22	26°35	1°55	0°28	16°50	18°55	8°59	26°23	27°58	26°10	27°56	25°19	S 5
M 6	5 0 1	14°17'33	7♊ 9	23°23	27°33	2°42	0°41	16°58	18°52	8°59	26°22	27°52	26° 7	28° 3	25°26	M 6
T 7	5 3 57	15°18'35	19°28	24°28	28°32	3°29	0°55	17° 5	18°50	8°59	26°22	27°44	26° 4	28°10	25°33	T 7
W 8	5 7 54	16°19'37	2♋ 0	25°36	29°32	4°15	1° 9	17°12	18°48	8°59	26°21	27°35	26° 1	28°16	25°39	W 8
T 9	5 11 51	17°20'40	14°43	26°46	0♏31	5° 2	1°22	17°19	18°46	9° 0	26°20	27°26	25°58	28°23	25°46	T 9
F 10	5 15 47	18°21'44	27°39	28° 0	1°32	5°48	1°36	17°26	18°44	9° 0	26°20	27°17	25°55	28°30	25°53	F 10
S 11	5 19 44	19°22'48	10♌47	29°15	2°33	6°35	1°50	17°33	18°42	9°R 0	26°19	27° 9	25°51	28°36	25°59	S 11
S 12	5 23 40	20°23'54	24° 7	0♐33	3°34	7°22	2° 3	17°40	18°40	9° 0	26°19	27° 4	25°48	28°43	26° 6	S 12
M13	5 27 37	21°25'00	7♍40	1°52	4°35	8° 8	2°17	17°47	18°38	8°59	26°18	27° 0	25°45	28°49	26°12	M13
T 14	5 31 33	22°26'07	21°25	3°13	5°38	8°55	2°31	17°54	18°36	8°59	26°17	26°D59	25°42	28°56	26°18	T 14
W15	5 35 30	23°27'15	5♎24	4°35	6°40	9°42	2°45	18° 1	18°34	8°59	26°17	27° 0	25°39	29° 3	26°24	W15
T 16	5 39 26	24°28'23	19°37	5°58	7°43	10°28	2°59	18° 8	18°32	8°59	26°16	27°R 1	25°36	29° 9	26°31	T 16
F 17	5 43 23	25°29'33	4♏ 1	7°22	8°46	11°15	3°12	18°15	18°30	8°59	26°16	27° 1	25°32	29°16	26°37	F 17
S 18	5 47 20	26°30'43	18°35	8°47	9°49	12° 2	3°26	18°22	18°28	8°59	26°15	26°59	25°29	29°23	26°43	S 18
S 19	5 51 16	27°31'54	3♐13	10°13	10°53	12°49	3°40	18°29	18°26	8°58	26°15	26°54	25°26	29°29	26°48	S 19
M20	5 55 13	28°33'05	17°50	11°39	11°57	13°35	3°54	18°36	18°25	8°58	26°14	26°47	25°23	29°36	26°54	M20
T 21	5 59 9	29°34'17	2♑18	13° 7	13° 2	14°22	4° 8	18°43	18°23	8°58	26°14	26°37	25°20	29°43	27° 0	T 21
W22	6 3 6	0♑35'28	16°30	14°34	14° 6	15° 9	4°22	18°50	18°21	8°57	26°13	26°26	25°16	29°49	27° 6	W22
T 23	6 7 2	1°36'40	0♒22	16° 3	15°11	15°56	4°36	18°57	18°20	8°57	26°13	26°15	25°13	29°56	27°11	T 23
F 24	6 10 59	2°37'52	13°48	17°32	16°17	16°43	4°50	19° 4	18°18	8°57	26°13	26° 5	25°10	0♉ 3	27°17	F 24
S 25	6 14 56	3°39'04	26°50	19° 1	17°22	17°29	5° 4	19°11	18°16	8°56	26°12	25°57	25° 7	0° 9	27°22	S 25
S 26	6 18 52	4°40'16	9♓28	20°31	18°28	18°16	5°18	19°18	18°15	8°56	26°12	25°52	25° 4	0°16	27°27	S 26
M27	6 22 49	5°41'27	21°46	22° 1	19°34	19° 3	5°31	19°25	18°13	8°55	26°12	25°49	25° 1	0°23	27°33	M27
T 28	6 26 45	6°42'38	3♈48	23°31	20°40	19°50	5°45	19°32	18°12	8°55	26°11	25°D48	24°57	0°29	27°38	T 28
W29	6 30 42	7°43'49	15°40	25° 3	21°47	20°37	5°59	19°38	18°11	8°54	26°11	25°48	24°54	0°36	27°43	W29
T 30	6 34 38	8°45'00	27°27	26°34	22°53	21°23	6°13	19°45	18° 9	8°53	26°11	25°R48	24°51	0°42	27°47	T 30
F 31	6 38 35	9♑46'10	9♉15	28♐ 6	24♏ 0	22♒10	6♑27	19♐52	18♉ 8	8♍53	26♈11	25♎47	24♎48	0♉49	27♎52	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s53	4n42	1n49	15s 2	2n37	6s48	2n14	21s47	1s22	23s26	0n 4	21s33	1n15	17n14	0s18	9n 3	0n54	5s42	17s 3	10s47	10s12	10n31	10s16	0s41
T 2	22 2	8 20	0 47	15 15	2 34	7 5	2 18	21 37	1 22	23 26	0 4	21 34	1 15	17 13	0 18	9 3	0 54	5 42	17 2	10 48	10 11	10 32	10 19	0 40
F 3	22 10	11 38	0s17	15 31	2 31	7 22	2 22	21 26	1 21	23 26	0 3	21 34	1 15	17 13	0 18	9 3	0 54	5 42	17 2	10 48	10 10	10 34	10 21	0 40
S 4	22 19	14 30	1 20	15 48	2 26	7 40	2 25	21 16	1 21	23 26	0 3	21 35	1 15	17 12	0 18	9 3	0 54	5 42	17 2	10 47	10 9	10 35	10 23	0 40
S 5	22 26	16 47	2 21	16 8	2 21	7 58	2 29	21 5	1 20	23 26	0 3	21 36	1 15	17 12	0 18	9 3	0 54	5 42	17 2	10 46	10 8	10 37	10 26	0 40
M 6	22 34	18 20	3 16	16 28	2 15	8 16	2 32	20 54	1 20	23 26	0 3	21 37	1 15	17 11	0 18	9 3	0 54	5 42	17 1	10 44	10 6	10 38	10 28	0 39
T 7	22 41	19 3	4 2	16 50	2 9	8 34	2 35	20 42	1 19	23 26	0 3	21 37	1 15	17 10	0 18	9 3	0 54	5 42	17 1	10 41	10 5	10 40	10 30	0 39
W 8	22 47	18 51	4 37	17 13	2 2	8 52	2 38	20 31	1 19	23 26	0 3	21 38	1 14	17 10	0 18	9 3	0 54	5 41	17 1	10 38	10 4	10 41	10 32	0 39
T 9	22 53	17 43	4 59	17 36	1 56	9 11	2 40	20 19	1 18	23 26	0 3	21 39	1 14	17 9	0 18	9 3	0 54	5 41	17 0	10 35	10 3	10 43	10 35	0 39
F 10	22 59	15 40	5 7	18 0	1 48	9 29	2 43	20 7	1 18	23 26	0 3	21 40	1 14	17 9	0 18	9 3	0 54	5 41	17 0	10 31	10 2	10 45	10 37	0 38
S 11	23 4	12 47	4 58	18 23	1 41	9 48	2 45	19 55	1 17	23 26	0 3	21 40	1 14	17 8	0 18	9 3	0 54	5 41	17 0	10 29	10 1	10 46	10 39	0 38
S 12	23 8	9 12	4 34	18 47	1 34	10 7	2 47	19 42	1 17	23 26	0 3	21 41	1 14	17 8	0 18	9 3	0 54	5 41	17 0	10 27	9 59	10 48	10 41	0 38
M13	23 13	5 6	3 53	19 10	1 26	10 26	2 49	19 30	1 16	23 26	0 2	21 42	1 14	17 7	0 18	9 3	0 54	5 41	16 59	10 26	9 58	10 49	10 43	0 38
T 14	23 16	0 40	2 59	19 34	1 18	10 45	2 50	19 17	1 16	23 25	0 2	21 42	1 14	17 6	0 18	9 3	0 54	5 41	16 59	10 25	9 57	10 51	10 45	0 37
W15	23 20	3s53	1 53	19 57	1 10	11 4	2 52	19 4	1 15	23 25	0 2	21 43	1 14	17 6	0 18	9 3	0 54	5 41	16 59	10 25	9 56	10 52	10 47	0 37
T 16	23 22	8 18	0 40	20 19	1 3	11 23	2 53	18 51	1 15	23 25	0 2	21 44	1 14	17 5	0 18	9 3	0 54	5 41	16 58	10 26	9 55	10 54	10 49	0 37
F 17	23 25	12 18	0n37	20 41	0 55	11 42	2 55	18 37	1 14	23 25	0 2	21 44	1 14	17 5	0 18	9 3	0 54	5 41	16 58	10 26	9 54	10 55	10 51	0 37
S 18	23 27	15 35	1 53	21 2	0 47	12 1	2 56	18 24	1 13	23 25	0 2	21 45	1 14	17 4	0 18	9 4	0 54	5 41	16 58	10 25	9 52	10 57	10 53	0 36
S 19	23 28	17 53	3 1	21 23	0 39	12 20	2 56	18 10	1 13	23 24	0 2	21 46	1 14	17 4	0 18	9 4	0 54	5 40	16 57	10 23	9 51	10 58	10 55	0 36
M20	23 29	19 0	3 57	21 42	0 32	12 38	2 57	17 56	1 12	23 24	0 2	21 46	1 14	17 4	0 18	9 4	0 54	5 40	16 57	10 21	9 50	11 0	10 57	0 36
T 21	23 29	18 51	4 37	22 1	0 24	12 57	2 58	17 42	1 12	23 24	0 2	21 47	1 14	17 3	0 18	9 4	0 54	5 40	16 57	10 17	9 49	11 1	10 59	0 35
W22	23 29	17 31	4 59	22 19	0 16	13 16	2 58	17 27	1 11	23 23	0 2	21 48	1 14	17 3	0 18	9 4	0 55	5 40	16 56	10 13	9 48	11 3	11 0	0 35
T 23	23 29	15 11	5 3	22 37	0 9	13 35	2 58	17 13	1 11	23 23	0 1	21 48	1 14	17 2	0 18	9 4	0 55	5 40	16 56	10 9	9 47	11 4	11 2	0 35
F 24	23 28	12 6	4 49	22 53	0 1	13 53	2 59	16 58	1 10	23 23	0 1	21 49	1 14	17 2	0 18	9 5	0 55	5 40	16 56	10 6	9 46	11 6	11 4	0 35
S 25	23 26	8 30	4 21	23 8	0s 6	14 12	2 59	16 43	1 9	23 22	0 1	21 49	1 14	17 1	0 18	9 5	0 55	5 39	16 55	10 3	9 44	11 7	11 6	0 34
S 26	23 24	4 38	3 41	23 22	0 13	14 30	2 58	16 28	1 9	23 22	0 1	21 50	1 14	17 1	0 18	9 5	0 55	5 39	16 55	10 1	9 43	11 9	11 7	0 34
M27	23 22	0 39	2 51	23 35	0 20	14 48	2 58	16 13	1 8	23 21	0 1	21 50	1 14	17 1	0 18	9 5	0 55	5 39	16 55	10 0	9 42	11 11	11 9	0 34
T 28	23 19	3n16	1 54	23 47	0 27	15 6	2 58	15 58	1 8	23 21	0 1	21 51	1 14	17 0	0 18	9 5	0 55	5 39	16 54	9 59	9 41	11 12	11 10	0 34
W29	23 16	7 0	0 54	23 57	0 34	15 24	2 57	15 42	1 7	23 20	0 1	21 52	1 14	17 0	0 18	9 6	0 55	5 39	16 54	9 59	9 40	11 14	11 12	0 33
T 30	23 12	10 27	0s 9	24 7	0 40	15 41	2 56	15 27	1 6	23 20	0 1	21 52	1 14	16 59	0 18	9 6	0 55	5 38	16 54	9 59	9 39	11 15	11 13	0 33
F 31	23s 8	13n29	1s11	24s15	0s46	15s58	2n56	15s11	1s 6	23s19	0n 1	21s53	1n14	16n59	0s18	9n 6	0n55	5s38	16s53	9s59	9s37	11n16	11s15	0s33

Julian Day Number = 2307243.5, Delta T = 82.55 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'35, Lahiri = 18°20'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

JANUARY 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 42 31	10♑47'20	21♉ 9	29♐38	25♏ 7	22♒57	6♑41	19♐59	18°R 7	8°R52	26°R11	25°R44	24♎45	0♉56	27♎57	S 1
S 2	6 46 28	11°48'30	3♊13	1♑11	26°15	23°44	6°55	20° 6	18♉ 6	8♍51	26♈10	25♎39	24°42	1° 2	28° 2	S 2
M 3	6 50 25	12°49'39	15°31	2°44	27°22	24°30	7° 9	20°12	18° 4	8°51	26°10	25°30	24°38	1° 9	28° 6	M 3
T 4	6 54 21	13°50'48	28° 4	4°17	28°30	25°17	7°23	20°19	18° 3	8°50	26°10	25°19	24°35	1°16	28°11	T 4
W 5	6 58 18	14°51'56	10♋54	5°51	29°38	26° 4	7°37	20°26	18° 2	8°49	26°10	25° 7	24°32	1°22	28°15	W 5
T 6	7 2 14	15°53'04	23°59	7°25	0♐46	26°51	7°51	20°32	18° 1	8°48	26°10	24°53	24°29	1°29	28°19	T 6
F 7	7 6 11	16°54'12	7♌19	9° 0	1°54	27°37	8° 4	20°39	18° 0	8°47	26°10	24°40	24°26	1°36	28°23	F 7
S 8	7 10 7	17°55'19	20°50	10°35	3° 3	28°24	8°18	20°45	17°59	8°46	26°10	24°29	24°22	1°42	28°27	S 8
S 9	7 14 4	18°56'27	4♍32	12°11	4°11	29°11	8°32	20°52	17°58	8°45	26°10	24°20	24°19	1°49	28°31	S 9
M10	7 18 0	19°57'33	18°20	13°47	5°20	29°57	8°46	20°58	17°58	8°45	26°D10	24°14	24°16	1°56	28°35	M10
T 11	7 21 57	20°58'40	2♎14	15°24	6°29	0♓44	9° 0	21° 5	17°57	8°44	26°10	24°12	24°13	2° 2	28°39	T 11
W12	7 25 54	21°59'46	16°14	17° 1	7°38	1°31	9°13	21°11	17°56	8°43	26°10	24°11	24°10	2° 9	28°42	W12
T 13	7 29 50	23° 0'52	0♏17	18°39	8°48	2°17	9°27	21°18	17°55	8°41	26°10	24°11	24° 7	2°15	28°46	T 13
F 14	7 33 47	24° 1'58	14°25	20°17	9°57	3° 4	9°41	21°24	17°55	8°40	26°10	24°10	24° 3	2°22	28°49	F 14
S 15	7 37 43	25° 3'03	28°35	21°56	11° 6	3°51	9°55	21°30	17°54	8°39	26°10	24° 7	24° 0	2°29	28°52	S 15
S 16	7 41 40	26° 4'09	12♐47	23°36	12°16	4°37	10° 8	21°37	17°54	8°38	26°10	24° 2	23°57	2°35	28°55	S 16
M17	7 45 36	27° 5'13	26°56	25°16	13°26	5°24	10°22	21°43	17°53	8°37	26°10	23°53	23°54	2°42	28°58	M17
T 18	7 49 33	28° 6'17	10♑58	26°57	14°36	6°10	10°36	21°49	17°53	8°36	26°10	23°42	23°51	2°49	29° 1	T 18
W19	7 53 29	29° 7'20	24°49	28°38	15°46	6°57	10°49	21°55	17°52	8°35	26°11	23°29	23°48	2°55	29° 4	W19
T 20	7 57 26	0♒ 8'23	8♒24	0♒20	16°56	7°44	11° 3	22° 1	17°52	8°34	26°11	23°16	23°44	3° 2	29° 7	T 20
F 21	8 1 23	1° 9'24	21°41	2° 3	18° 6	8°30	11°17	22° 7	17°52	8°32	26°11	23° 4	23°41	3° 9	29° 9	F 21
S 22	8 5 19	2°10'24	4♓37	3°46	19°16	9°17	11°30	22°13	17°52	8°31	26°11	22°53	23°38	3°15	29°12	S 22
S 23	8 9 16	3°11'23	17°13	5°30	20°27	10° 3	11°44	22°19	17°51	8°30	26°12	22°46	23°35	3°22	29°14	S 23
M24	8 13 12	4°12'21	29°30	7°14	21°37	10°50	11°57	22°25	17°51	8°28	26°12	22°41	23°32	3°29	29°16	M24
T 25	8 17 9	5°13'18	11♈33	8°59	22°48	11°36	12°10	22°31	17°D51	8°27	26°12	22°39	23°28	3°35	29°19	T 25
W26	8 21 5	6°14'14	23°26	10°45	23°58	12°22	12°24	22°36	17°51	8°26	26°13	22°D38	23°25	3°42	29°21	W26
T 27	8 25 2	7°15'08	5♉14	12°31	25° 9	13° 9	12°37	22°42	17°51	8°24	26°13	22°R39	23°22	3°49	29°22	T 27
F 28	8 28 58	8°16'01	17° 2	14°17	26°20	13°55	12°50	22°48	17°51	8°23	26°13	22°38	23°19	3°55	29°24	F 28
S 29	8 32 55	9°16'52	28°57	16° 4	27°31	14°41	13° 4	22°53	17°52	8°22	26°14	22°36	23°16	4° 2	29°26	S 29
S 30	8 36 52	10°17'42	11♊ 4	17°51	28°42	15°28	13°17	22°59	17°52	8°20	26°14	22°32	23°13	4° 8	29°27	S 30
M31	8 40 48	11♒18'30	23♊26	19♒39	29♐53	16♓14	13♑30	23♐ 4	17♉52	8♍19	26♈15	22♎26	23♎ 9	4♉15	29♎29	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 3	15n59	2s10	24s22	0s53	16s16	2n55	14s55	1s 5	23s19	0n 1	21s53	1n14	16n59	0s18	9n 7	0n55	5s38	16s53	9s58	9s36	11n18	11s16	0s33
S 2	22 58	17 49	3 5	24 28	0 59	16 32	2 54	14 39	1 4	23 18	0 1	21 54	1 13	16 58	0 17	9 7	0 55	5 38	16 53	9 56	9 35	11 19	11 18	0 32
M 3	22 52	18 52	3 51	24 32	1 5	16 49	2 52	14 23	1 4	23 17	0 0	21 54	1 13	16 58	0 17	9 7	0 55	5 37	16 52	9 53	9 34	11 21	11 19	0 32
T 4	22 46	19 1	4 28	24 35	1 10	17 5	2 51	14 7	1 3	23 17	0 0	21 55	1 13	16 58	0 17	9 8	0 55	5 37	16 52	9 49	9 33	11 22	11 21	0 32
W 5	22 39	18 12	4 51	24 37	1 16	17 21	2 50	13 50	1 2	23 16	0 0	21 55	1 13	16 58	0 17	9 8	0 55	5 37	16 51	9 44	9 32	11 24	11 22	0 32
T 6	22 32	16 25	5 0	24 37	1 21	17 36	2 48	13 33	1 2	23 15	0 0	21 56	1 13	16 57	0 17	9 8	0 55	5 36	16 51	9 39	9 30	11 25	11 23	0 31
F 7	22 25	13 45	4 53	24 36	1 26	17 52	2 47	13 17	1 1	23 14	0 0	21 56	1 13	16 57	0 17	9 9	0 55	5 36	16 51	9 34	9 29	11 27	11 24	0 31
S 8	22 17	10 19	4 30	24 34	1 30	18 7	2 45	13 0	1 0	23 14	0s 0	21 57	1 13	16 57	0 17	9 9	0 55	5 36	16 50	9 30	9 28	11 28	11 25	0 31
S 9	22 9	6 18	3 50	24 30	1 35	18 21	2 43	12 43	1 0	23 13	0 0	21 57	1 13	16 57	0 17	9 9	0 55	5 35	16 50	9 27	9 27	11 30	11 27	0 30
M10	22 0	1 54	2 57	24 25	1 39	18 35	2 41	12 26	0 59	23 12	0 0	21 58	1 13	16 56	0 17	9 10	0 55	5 35	16 50	9 25	9 26	11 31	11 28	0 30
T 11	21 51	2s37	1 53	24 18	1 43	18 49	2 39	12 9	0 58	23 11	0 0	21 58	1 13	16 56	0 17	9 10	0 55	5 35	16 49	9 24	9 25	11 33	11 29	0 30
W12	21 41	7 2	0 42	24 10	1 47	19 3	2 37	11 51	0 58	23 10	0 0	21 58	1 13	16 56	0 17	9 10	0 55	5 34	16 49	9 24	9 23	11 34	11 30	0 30
T 13	21 31	11 6	0n32	24 0	1 50	19 16	2 35	11 34	0 57	23 10	0 1	21 59	1 13	16 56	0 17	9 11	0 55	5 34	16 49	9 24	9 22	11 36	11 31	0 29
F 14	21 21	14 32	1 45	23 49	1 53	19 28	2 33	11 17	0 56	23 9	0 1	21 59	1 13	16 56	0 17	9 11	0 55	5 34	16 48	9 23	9 21	11 37	11 32	0 29
S 15	21 10	17 6	2 51	23 36	1 56	19 40	2 30	10 59	0 56	23 8	0 1	22 0	1 13	16 56	0 17	9 12	0 55	5 33	16 48	9 22	9 20	11 39	11 33	0 29
S 16	20 59	18 38	3 47	23 21	1 58	19 52	2 28	10 41	0 55	23 7	0 1	22 0	1 13	16 55	0 17	9 12	0 55	5 33	16 48	9 20	9 19	11 40	11 33	0 29
M17	20 47	18 59	4 28	23 6	2 0	20 3	2 26	10 24	0 54	23 6	0 1	22 0	1 13	16 55	0 17	9 13	0 55	5 32	16 47	9 17	9 18	11 42	11 34	0 28
T 18	20 35	18 10	4 53	22 48	2 2	20 14	2 23	10 6	0 54	23 5	0 1	22 1	1 13	16 55	0 17	9 13	0 55	5 32	16 47	9 13	9 16	11 43	11 35	0 28
W19	20 23	16 17	5 0	22 29	2 3	20 24	2 20	9 48	0 53	23 4	0 1	22 1	1 13	16 55	0 17	9 14	0 56	5 32	16 46	9 8	9 15	11 44	11 36	0 28
T 20	20 10	13 32	4 50	22 8	2 4	20 34	2 18	9 30	0 52	23 3	0 1	22 2	1 13	16 55	0 17	9 14	0 56	5 31	16 46	9 3	9 14	11 46	11 37	0 27
F 21	19 57	10 8	4 24	21 46	2 4	20 43	2 15	9 12	0 52	23 2	0 1	22 2	1 13	16 55	0 17	9 15	0 56	5 31	16 46	8 59	9 13	11 47	11 37	0 27
S 22	19 43	6 20	3 45	21 22	2 5	20 52	2 12	8 54	0 51	23 1	0 1	22 2	1 13	16 55	0 17	9 15	0 56	5 30	16 45	8 55	9 12	11 49	11 38	0 27
S 23	19 29	2 22	2 56	20 56	2 4	21 0	2 9	8 35	0 50	23 0	0 2	22 3	1 13	16 55	0 17	9 16	0 56	5 30	16 45	8 52	9 10	11 50	11 38	0 27
M24	19 15	1n38	2 0	20 29	2 3	21 7	2 6	8 17	0 50	22 59	0 2	22 3	1 13	16 55	0 17	9 16	0 56	5 30	16 45	8 51	9 9	11 52	11 39	0 26
T 25	19 0	5 29	0 59	20 1	2 2	21 15	2 3	7 59	0 49	22 58	0 2	22 3	1 13	16 55	0 17	9 17	0 56	5 29	16 44	8 50	9 8	11 53	11 39	0 26
W26	18 45	9 3	0s 4	19 30	2 0	21 21	2 0	7 40	0 48	22 56	0 2	22 4	1 13	16 55	0 17	9 17	0 56	5 29	16 44	8 50	9 7	11 55	11 40	0 26
T 27	18 30	12 15	1 6	18 58	1 58	21 27	1 57	7 22	0 47	22 55	0 2	22 4	1 13	16 55	0 17	9 18	0 56	5 28	16 44	8 50	9 6	11 56	11 40	0 25
F 28	18 14	14 57	2 6	18 25	1 55	21 32	1 54	7 3	0 47	22 54	0 2	22 4	1 13	16 55	0 17	9 18	0 56	5 28	16 43	8 49	9 5	11 57	11 41	0 25
S 29	17 58	17 2	3 0	17 50	1 52	21 37	1 51	6 45	0 46	22 53	0 2	22 4	1 14	16 55	0 17	9 19	0 56	5 27	16 43	8 49	9 3	11 59	11 41	0 25
S 30	17 42	18 23	3 48	17 13	1 48	21 42	1 47	6 26	0 45	22 52	0 2	22 5	1 14	16 55	0 17	9 19	0 56	5 27	16 42	8 47	9 2	12 0	11 41	0 25
M31	17s25	18n55	4s25	16s35	1s43	21s45	1n44	6s 8	0s45	22s50	0s 2	22s 5	1n14	16n55	0s17	9n20	0n56	5s26	16s42	8s45	9s 1	12n 2	11s41	0s24

Julian Day Number = 2307274.5, Delta T = 82.45 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'39, Lahiri = 18°20'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

FEBRUARY 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 44 45	12♒19'18	6♋ 7	21♒27	1♑ 4	17♓ 0	13♑43	23♐10	17♉52	8°R17	26♈15	22°R16	23♎ 6	4♉22	29♎30	T 1
W 2	8 48 41	13°20'03	19° 9	23°14	2°15	17°46	13°56	23°15	17°53	8♍16	26°16	22♎ 5	23° 3	4°28	29°31	W 2
T 3	8 52 38	14°20'47	2♌33	25° 2	3°27	18°32	14° 9	23°21	17°53	8°14	26°16	21°53	23° 0	4°35	29°32	T 3
F 4	8 56 34	15°21'30	16°15	26°49	4°38	19°19	14°22	23°26	17°54	8°13	26°17	21°42	22°57	4°42	29°33	F 4
S 5	9 0 31	16°22'12	0♍12	28°35	5°50	20° 5	14°35	23°31	17°54	8°11	26°17	21°32	22°54	4°48	29°34	S 5
S 6	9 4 27	17°22'52	14°21	0♓21	7° 1	20°51	14°48	23°36	17°55	8°10	26°18	21°24	22°50	4°55	29°35	S 6
M 7	9 8 24	18°23'30	28°35	2° 5	8°13	21°37	15° 1	23°41	17°55	8° 8	26°19	21°20	22°47	5° 2	29°35	M 7
T 8	9 12 21	19°24'08	12♎51	3°47	9°24	22°23	15°13	23°46	17°56	8° 7	26°19	21°18	22°44	5° 8	29°36	T 8
W 9	9 16 17	20°24'44	27° 6	5°28	10°36	23° 9	15°26	23°51	17°57	8° 5	26°20	21°D17	22°41	5°15	29°36	W 9
T 10	9 20 14	21°25'19	11♏17	7° 6	11°48	23°55	15°39	23°56	17°58	8° 4	26°21	21°18	22°38	5°22	29°36	T 10
F 11	9 24 10	22°25'53	25°22	8°41	13° 0	24°41	15°51	24° 1	17°59	8° 2	26°21	21°R18	22°34	5°28	29°R37	F 11
S 12	9 28 7	23°26'26	9♐21	10°13	14°11	25°26	16° 4	24° 5	17°59	8° 0	26°22	21°17	22°31	5°35	29°36	S 12
S 13	9 32 3	24°26'58	23°14	11°40	15°23	26°12	16°16	24°10	18° 0	7°59	26°23	21°14	22°28	5°42	29°36	S 13
M14	9 36 0	25°27'28	6♑58	13° 2	16°35	26°58	16°29	24°14	18° 1	7°57	26°23	21° 8	22°25	5°48	29°36	M14
T 15	9 39 56	26°27'57	20°34	14°19	17°47	27°44	16°41	24°19	18° 2	7°56	26°24	21° 0	22°22	5°55	29°36	T 15
W16	9 43 53	27°28'24	3♒58	15°30	18°59	28°30	16°53	24°23	18° 4	7°54	26°25	20°51	22°19	6° 2	29°35	W16
T 17	9 47 50	28°28'50	17° 9	16°34	20°12	29°15	17° 5	24°28	18° 5	7°52	26°26	20°41	22°15	6° 8	29°35	T 17
F 18	9 51 46	29°29'14	0♓ 5	17°30	21°24	0♈ 1	17°18	24°32	18° 6	7°51	26°27	20°32	22°12	6°15	29°34	F 18
S 19	9 55 43	0♓29'36	12°46	18°19	22°36	0°47	17°30	24°36	18° 7	7°49	26°27	20°24	22° 9	6°21	29°33	S 19
S 20	9 59 39	1°29'57	25°12	18°58	23°48	1°32	17°41	24°40	18° 8	7°47	26°28	20°19	22° 6	6°28	29°32	S 20
M21	10 3 36	2°30'15	7♈24	19°29	25° 0	2°18	17°53	24°44	18°10	7°46	26°29	20°15	22° 3	6°35	29°31	M21
T 22	10 7 32	3°30'32	19°24	19°51	26°13	3° 3	18° 5	24°48	18°11	7°44	26°30	20°D14	21°59	6°41	29°30	T 22
W23	10 11 29	4°30'47	1♉16	20° 3	27°25	3°49	18°17	24°52	18°13	7°42	26°31	20°15	21°56	6°48	29°29	W23
T 24	10 15 25	5°31'00	13° 4	20°R 5	28°37	4°34	18°29	24°56	18°14	7°41	26°32	20°16	21°53	6°55	29°27	T 24
F 25	10 19 22	6°31'10	24°53	19°58	29°50	5°19	18°40	24°59	18°16	7°39	26°33	20°18	21°50	7° 1	29°26	F 25
S 26	10 23 18	7°31'19	6♊47	19°42	1♒ 2	6° 5	18°52	25° 3	18°17	7°37	26°34	20°R19	21°47	7° 8	29°24	S 26
S 27	10 27 15	8°31'25	18°53	19°17	2°15	6°50	19° 3	25° 6	18°19	7°36	26°35	20°18	21°44	7°15	29°22	S 27
M28	10 31 12	9♓31'30	1♋14	18♓44	3♒27	7♈35	19♑14	25♐10	18♉21	7♍34	26♈36	20♎16	21♎40	7♉21	29♎21	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 8	18n30	4s51	15s56	1s38	21s48	1n41	5s49	0s44	22s49	0s 2	22s 5	1n14	16n55	0s17	9n20	0n56	5s26	16s42	8s41	9s 0	12n 3	11s42	0s24
W 2	16 51	17 8	5 2	15 15	1 32	21 51	1 37	5 30	0 43	22 48	0 3	22 5	1 14	16 56	0 17	9 21	0 56	5 25	16 41	8 37	8 59	12 5	11 42	0 24
T 3	16 34	14 48	4 57	14 33	1 26	21 53	1 34	5 12	0 42	22 47	0 3	22 6	1 14	16 56	0 17	9 22	0 56	5 25	16 41	8 33	8 58	12 6	11 42	0 23
F 4	16 16	11 37	4 36	13 50	1 18	21 54	1 31	4 53	0 42	22 45	0 3	22 6	1 14	16 56	0 17	9 22	0 56	5 24	16 41	8 28	8 56	12 7	11 42	0 23
S 5	15 58	7 43	3 57	13 5	1 10	21 54	1 27	4 34	0 41	22 44	0 3	22 6	1 14	16 56	0 17	9 23	0 56	5 24	16 40	8 25	8 55	12 9	11 42	0 23
S 6	15 39	3 21	3 4	12 20	1 2	21 54	1 24	4 15	0 40	22 43	0 3	22 6	1 14	16 56	0 17	9 23	0 56	5 23	16 40	8 22	8 54	12 10	11 42	0 22
M 7	15 21	1s15	1 58	11 34	0 52	21 54	1 20	3 56	0 40	22 42	0 3	22 7	1 14	16 56	0 17	9 24	0 56	5 23	16 40	8 20	8 53	12 12	11 42	0 22
T 8	15 2	5 47	0 45	10 48	0 42	21 53	1 17	3 37	0 39	22 40	0 3	22 7	1 14	16 57	0 17	9 25	0 56	5 22	16 39	8 19	8 52	12 13	11 42	0 22
W 9	14 43	9 59	0n31	10 1	0 31	21 51	1 13	3 19	0 38	22 39	0 3	22 7	1 14	16 57	0 17	9 25	0 56	5 22	16 39	8 19	8 50	12 14	11 41	0 22
T 10	14 23	13 35	1 45	9 14	0 20	21 48	1 10	3 0	0 37	22 38	0 3	22 7	1 14	16 57	0 17	9 26	0 56	5 21	16 39	8 20	8 49	12 16	11 41	0 21
F 11	14 4	16 22	2 52	8 27	0 8	21 45	1 6	2 41	0 37	22 36	0 4	22 7	1 14	16 57	0 17	9 26	0 56	5 21	16 38	8 20	8 48	12 17	11 41	0 21
S 12	13 44	18 8	3 48	7 41	0n 5	21 41	1 3	2 22	0 36	22 35	0 4	22 8	1 14	16 58	0 17	9 27	0 56	5 20	16 38	8 19	8 47	12 19	11 41	0 21
S 13	13 24	18 49	4 30	6 55	0 18	21 37	0 59	2 3	0 35	22 33	0 4	22 8	1 14	16 58	0 17	9 28	0 56	5 20	16 38	8 18	8 46	12 20	11 40	0 20
M14	13 4	18 22	4 57	6 11	0 32	21 32	0 56	1 44	0 35	22 32	0 4	22 8	1 14	16 58	0 17	9 28	0 56	5 19	16 37	8 16	8 44	12 21	11 40	0 20
T 15	12 43	16 52	5 6	5 28	0 47	21 27	0 52	1 25	0 34	22 31	0 4	22 8	1 14	16 59	0 16	9 29	0 56	5 18	16 37	8 13	8 43	12 23	11 40	0 20
W16	12 22	14 29	4 58	4 47	1 2	21 20	0 48	1 6	0 33	22 29	0 4	22 8	1 14	16 59	0 16	9 30	0 56	5 18	16 37	8 9	8 42	12 24	11 39	0 19
T 17	12 2	11 22	4 34	4 8	1 17	21 14	0 45	0 48	0 32	22 28	0 4	22 8	1 14	16 59	0 16	9 30	0 56	5 17	16 37	8 5	8 41	12 26	11 39	0 19
F 18	11 40	7 46	3 57	3 32	1 32	21 6	0 41	0 29	0 32	22 26	0 4	22 8	1 14	17 0	0 16	9 31	0 56	5 17	16 36	8 2	8 40	12 27	11 38	0 19
S 19	11 19	3 53	3 8	3 0	1 47	20 58	0 38	0 10	0 31	22 25	0 4	22 9	1 14	17 0	0 16	9 31	0 56	5 16	16 36	7 59	8 39	12 28	11 37	0 18
S 20	10 58	0n 6	2 11	2 30	2 2	20 49	0 34	0n 9	0 30	22 23	0 4	22 9	1 14	17 0	0 16	9 32	0 56	5 16	16 36	7 57	8 37	12 30	11 37	0 18
M21	10 36	4 0	1 9	2 5	2 16	20 40	0 31	0 28	0 29	22 22	0 5	22 9	1 14	17 1	0 16	9 33	0 56	5 15	16 35	7 56	8 36	12 31	11 36	0 18
T 22	10 14	7 41	0 5	1 43	2 31	20 30	0 27	0 47	0 29	22 20	0 5	22 9	1 14	17 1	0 16	9 33	0 56	5 14	16 35	7 56	8 35	12 32	11 35	0 17
W23	9 53	11 1	0s59	1 26	2 44	20 20	0 24	1 5	0 28	22 19	0 5	22 9	1 14	17 2	0 16	9 34	0 56	5 14	16 35	7 56	8 34	12 34	11 35	0 17
T 24	9 30	13 53	2 1	1 14	2 56	20 9	0 20	1 24	0 27	22 18	0 5	22 9	1 14	17 2	0 16	9 35	0 56	5 13	16 34	7 56	8 33	12 35	11 34	0 17
F 25	9 8	16 10	2 57	1 6	3 8	19 57	0 17	1 43	0 27	22 16	0 5	22 9	1 14	17 2	0 16	9 35	0 56	5 13	16 34	7 57	8 31	12 37	11 33	0 16
S 26	8 46	17 47	3 46	1 4	3 18	19 45	0 14	2 1	0 26	22 15	0 5	22 9	1 15	17 3	0 16	9 36	0 56	5 12	16 34	7 57	8 30	12 38	11 32	0 16
S 27	8 23	18 37	4 26	1 6	3 26	19 32	0 10	2 20	0 25	22 13	0 5	22 9	1 15	17 3	0 16	9 37	0 56	5 12	16 34	7 57	8 29	12 39	11 31	0 16
M28	8s 1	18n35	4s54	1s12	3n33	19s19	0n 7	2n39	0s24	22s12	0s 5	22s 9	1n15	17n 4	0s16	9n37	0n56	5s11	16s33	7s56	8s28	12n41	11s30	0s15

Julian Day Number = 2307305.5, Delta T = 82.35 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'43, Lahiri = 18°20'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

MARCH 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 8	10♓31'32	13♋56	18°R 3	4♒40	8♈20	19♑25	25♐13	18♉22	7°R32	26♈37	20°R11	21♎37	7♉28	29°R19	T 1
W 2	10 39 5	11°31'32	27° 2	17♓17	5°52	9° 6	19°37	25°17	18°24	7♏31	26°38	20♎ 6	21°34	7°35	29♎17	W 2
T 3	10 43 1	12°31'30	10♌32	16°25	7° 5	9°51	19°48	25°20	18°26	7°29	26°39	20° 0	21°31	7°41	29°15	T 3
F 4	10 46 58	13°31'26	24°27	15°30	8°17	10°36	19°58	25°23	18°28	7°27	26°40	19°54	21°28	7°48	29°12	F 4
S 5	10 50 54	14°31'19	8♍42	14°32	9°30	11°21	20° 9	25°26	18°30	7°26	26°41	19°48	21°25	7°55	29°10	S 5
S 6	10 54 51	15°31'11	23°14	13°33	10°43	12° 6	20°20	25°29	18°32	7°24	26°42	19°45	21°21	8° 1	29° 8	S 6
M 7	10 58 47	16°31'01	7♎55	12°34	11°55	12°51	20°31	25°31	18°34	7°22	26°43	19°42	21°18	8° 8	29° 5	M 7
T 8	11 2 44	17°30'49	22°38	11°37	13° 8	13°36	20°41	25°34	18°36	7°21	26°44	19°D42	21°15	8°14	29° 2	T 8
W 9	11 6 41	18°30'35	7♏17	10°42	14°21	14°20	20°52	25°37	18°38	7°19	26°45	19°43	21°12	8°21	29° 0	W 9
T 10	11 10 37	19°30'19	21°48	9°51	15°33	15° 5	21° 2	25°39	18°40	7°17	26°46	19°44	21° 9	8°28	28°57	T 10
F 11	11 14 34	20°30'02	6♐ 5	9° 5	16°46	15°50	21°12	25°42	18°42	7°16	26°47	19°46	21° 5	8°34	28°54	F 11
S 12	11 18 30	21°29'43	20° 7	8°23	17°59	16°35	21°22	25°44	18°44	7°14	26°49	19°R46	21° 2	8°41	28°51	S 12
S 13	11 22 27	22°29'22	3♑54	7°47	19°12	17°19	21°32	25°47	18°46	7°13	26°50	19°46	20°59	8°48	28°48	S 13
M14	11 26 23	23°29'00	17°26	7°17	20°25	18° 4	21°42	25°49	18°49	7°11	26°51	19°44	20°56	8°54	28°45	M14
T 15	11 30 20	24°28'36	0♒42	6°53	21°38	18°49	21°52	25°51	18°51	7° 9	26°52	19°41	20°53	9° 1	28°41	T 15
W16	11 34 16	25°28'10	13°43	6°36	22°50	19°33	22° 2	25°53	18°53	7° 8	26°53	19°38	20°50	9° 8	28°38	W16
T 17	11 38 13	26°27'42	26°31	6°24	24° 3	20°18	22°11	25°55	18°56	7° 6	26°55	19°34	20°46	9°14	28°35	T 17
F 18	11 42 10	27°27'12	9♓ 7	6°D18	25°16	21° 2	22°21	25°56	18°58	7° 5	26°56	19°30	20°43	9°21	28°31	F 18
S 19	11 46 6	28°26'40	21°30	6°19	26°29	21°46	22°30	25°58	19° 1	7° 3	26°57	19°27	20°40	9°28	28°28	S 19
S 20	11 50 3	29°26'06	3♈42	6°25	27°42	22°31	22°39	26° 0	19° 3	7° 2	26°58	19°25	20°37	9°34	28°24	S 20
M21	11 53 59	0♈25'30	15°44	6°36	28°55	23°15	22°48	26° 1	19° 6	7° 0	26°59	19°D25	20°34	9°41	28°20	M21
T 22	11 57 56	1°24'52	27°39	6°53	0♓ 8	23°59	22°57	26° 3	19° 8	6°59	27° 1	19°25	20°31	9°48	28°16	T 22
W23	12 1 52	2°24'12	9♉28	7°14	1°21	24°43	23° 6	26° 4	19°11	6°57	27° 2	19°26	20°27	9°54	28°13	W23
T 24	12 5 49	3°23'29	21°16	7°41	2°34	25°28	23°15	26° 5	19°14	6°56	27° 3	19°27	20°24	10° 1	28° 9	T 24
F 25	12 9 45	4°22'44	3♊ 5	8°12	3°47	26°12	23°24	26° 6	19°16	6°54	27° 5	19°29	20°21	10° 8	28° 5	F 25
S 26	12 13 42	5°21'57	14°59	8°47	5° 0	26°56	23°32	26° 7	19°19	6°53	27° 6	19°30	20°18	10°14	28° 1	S 26
S 27	12 17 38	6°21'08	27° 4	9°26	6°13	27°40	23°40	26° 8	19°22	6°51	27° 7	19°31	20°15	10°21	27°57	S 27
M28	12 21 35	7°20'16	9♋23	10° 9	7°26	28°24	23°49	26° 9	19°25	6°50	27° 8	19°R31	20°11	10°28	27°52	M28
T 29	12 25 32	8°19'22	22° 1	10°55	8°39	29° 8	23°57	26°10	19°27	6°49	27°10	19°30	20° 8	10°34	27°48	T 29
W30	12 29 28	9°18'26	5♌ 3	11°45	9°52	29°52	24° 5	26°10	19°30	6°47	27°11	19°30	20° 5	10°41	27°44	W30
T 31	12 33 25	10♈17'27	18♌30	12♓38	11♓ 5	0♉35	24♑12	26♐11	19♉33	6♍46	27♈12	19♎28	20♎ 2	10♉47	27♎40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s38	17n38	5s 9	1s23	3n38	19s 5	0n 3	2n57	0s24	22s10	0s 6	22s 9	1n15	17n 4	0s16	9n38	0n56	5s10	16s33	7s54	8s27	12n42	11s29	0s15
W 2	7 15	15 45	5 9	1 39	3 41	18 50	0 0	3 16	0 23	22 9	0 6	22 10	1 15	17 5	0 16	9 38	0 56	5 10	16 33	7 52	8 25	12 43	11 28	0 15
T 3	6 52	12 57	4 51	1 58	3 42	18 35	0s 3	3 34	0 22	22 7	0 6	22 10	1 15	17 5	0 16	9 39	0 56	5 9	16 33	7 50	8 24	12 45	11 27	0 14
F 4	6 29	9 22	4 17	2 21	3 40	18 20	0 6	3 52	0 22	22 6	0 6	22 10	1 15	17 6	0 16	9 40	0 56	5 9	16 32	7 48	8 23	12 46	11 26	0 14
S 5	6 6	5 9	3 25	2 46	3 37	18 4	0 10	4 11	0 21	22 4	0 6	22 10	1 15	17 7	0 16	9 40	0 56	5 8	16 32	7 46	8 22	12 47	11 25	0 14
S 6	5 43	0 33	2 20	3 13	3 32	17 47	0 13	4 29	0 20	22 3	0 6	22 10	1 15	17 7	0 16	9 41	0 56	5 7	16 32	7 44	8 21	12 49	11 24	0 13
M 7	5 20	4s 8	1 4	3 42	3 25	17 30	0 16	4 47	0 19	22 1	0 6	22 10	1 15	17 8	0 16	9 42	0 56	5 7	16 32	7 43	8 20	12 50	11 22	0 13
T 8	4 57	8 34	0n16	4 12	3 16	17 13	0 19	5 5	0 19	22 0	0 6	22 10	1 15	17 8	0 16	9 42	0 56	5 6	16 31	7 43	8 18	12 51	11 21	0 13
W 9	4 33	12 29	1 35	4 42	3 6	16 55	0 22	5 23	0 18	21 58	0 6	22 10	1 15	17 9	0 16	9 43	0 56	5 6	16 31	7 44	8 17	12 53	11 20	0 12
T 10	4 10	15 34	2 47	5 12	2 54	16 36	0 25	5 41	0 17	21 57	0 7	22 10	1 15	17 9	0 16	9 43	0 56	5 5	16 31	7 44	8 16	12 54	11 19	0 12
F 11	3 46	17 38	3 48	5 41	2 41	16 17	0 28	5 59	0 17	21 55	0 7	22 10	1 15	17 10	0 16	9 44	0 56	5 4	16 31	7 45	8 15	12 55	11 17	0 12
S 12	3 23	18 35	4 33	6 9	2 28	15 58	0 31	6 17	0 16	21 54	0 7	22 10	1 15	17 11	0 16	9 45	0 56	5 4	16 31	7 45	8 14	12 57	11 16	0 11
S 13	2 59	18 24	5 2	6 36	2 14	15 38	0 34	6 35	0 15	21 52	0 7	22 10	1 15	17 11	0 16	9 45	0 56	5 3	16 30	7 45	8 12	12 58	11 14	0 11
M14	2 36	17 10	5 14	7 1	1 59	15 17	0 36	6 53	0 14	21 51	0 7	22 10	1 15	17 12	0 16	9 46	0 56	5 3	16 30	7 44	8 11	12 59	11 13	0 11
T 15	2 12	15 1	5 8	7 23	1 44	14 57	0 39	7 10	0 14	21 50	0 7	22 10	1 15	17 13	0 16	9 46	0 56	5 2	16 30	7 43	8 10	13 1	11 11	0 10
W16	1 48	12 9	4 47	7 44	1 29	14 35	0 42	7 28	0 13	21 48	0 7	22 10	1 15	17 13	0 16	9 47	0 56	5 1	16 30	7 42	8 9	13 2	11 10	0 10
T 17	1 25	8 45	4 12	8 2	1 14	14 14	0 45	7 45	0 12	21 47	0 7	22 10	1 16	17 14	0 16	9 48	0 56	5 1	16 30	7 40	8 8	13 3	11 8	0 10
F 18	1 1	5 1	3 24	8 18	0 59	13 52	0 47	8 3	0 12	21 45	0 8	22 10	1 16	17 15	0 16	9 48	0 56	5 0	16 29	7 39	8 6	13 5	11 7	0 9
S 19	0 37	1 7	2 28	8 32	0 44	13 29	0 50	8 20	0 11	21 44	0 8	22 10	1 16	17 15	0 16	9 49	0 56	5 0	16 29	7 38	8 5	13 6	11 5	0 9
S 20	0 14	2n47	1 26	8 43	0 30	13 7	0 52	8 37	0 10	21 43	0 8	22 10	1 16	17 16	0 16	9 49	0 56	4 59	16 29	7 37	8 4	13 7	11 4	0 8
M21	0n10	6 31	0 20	8 52	0 16	12 44	0 55	8 54	0 10	21 41	0 8	22 10	1 16	17 17	0 16	9 50	0 56	4 59	16 29	7 37	8 3	13 8	11 2	0 8
T 22	0 34	9 57	0s45	8 58	0 2	12 20	0 57	9 11	0 9	21 40	0 8	22 10	1 16	17 17	0 16	9 50	0 56	4 58	16 29	7 37	8 2	13 10	11 0	0 8
W23	0 57	12 57	1 49	9 2	0s11	11 56	0 59	9 28	0 8	21 38	0 8	22 10	1 16	17 18	0 16	9 51	0 56	4 57	16 29	7 37	8 0	13 11	10 58	0 7
T 24	1 21	15 25	2 47	9 4	0 24	11 32	1 1	9 45	0 8	21 37	0 8	22 10	1 16	17 19	0 16	9 52	0 56	4 57	16 28	7 38	7 59	13 12	10 57	0 7
F 25	1 45	17 14	3 39	9 4	0 36	11 8	1 4	10 2	0 7	21 36	0 9	22 10	1 16	17 20	0 16	9 52	0 56	4 56	16 28	7 38	7 58	13 14	10 55	0 7
S 26	2 8	18 18	4 22	9 1	0 47	10 43	1 6	10 18	0 6	21 34	0 9	22 10	1 16	17 20	0 16	9 53	0 56	4 56	16 28	7 39	7 57	13 15	10 53	0 6
S 27	2 32	18 34	4 53	8 57	0 58	10 18	1 8	10 35	0 6	21 33	0 9	22 10	1 16	17 21	0 16	9 53	0 56	4 55	16 28	7 39	7 56	13 16	10 51	0 6
M28	2 55	17 58	5 12	8 50	1 9	9 53	1 10	10 51	0 5	21 32	0 9	22 10	1 16	17 22	0 16	9 54	0 56	4 55	16 28	7 39	7 54	13 17	10 50	0 6
T 29	3 18	16 28	5 17	8 42	1 18	9 27	1 12	11 7	0 4	21 31	0 9	22 10	1 16	17 23	0 16	9 54	0 56	4 54	16 28	7 39	7 53	13 19	10 48	0 5
W30	3 42	14 6	5 6	8 31	1 28	9 1	1 13	11 23	0 3	21 29	0 9	22 10	1 16	17 24	0 16	9 55	0 56	4 53	16 28	7 39	7 52	13 20	10 46	0 5
T 31	4n 5	10n54	4s38	8s19	1s36	8s35	1s15	11n39	0s 3	21s28	0s 9	22s10	1n16	17n24	0s16	9n55	0n56	4s53	16s27	7s38	7s51	13n21	10s44	0s 4

Julian Day Number = 2307333.5, Delta T = 82.26 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'47, Lahiri = 18°20'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

APRIL 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 37 21	11♈16'26	2♍24	13♓34	12♓18	1♉19	24♑20	26♐11	19♉36	6°R45	27♈14	19°R27	19♎59	10♉54	27°R35	F 1
S 2	12 41 18	12°15'23	16°43	14°33	13°31	2° 3	24°28	26°12	19°39	6♍43	27°15	19♎27	19°56	11° 1	27♎31	S 2
S 3	12 45 14	13°14'18	1♎25	15°35	14°44	2°46	24°35	26°12	19°42	6°42	27°16	19°26	19°52	11° 7	27°26	S 3
M 4	12 49 11	14°13'10	16°22	16°39	15°57	3°30	24°42	26°12	19°45	6°41	27°18	19°D26	19°49	11°14	27°22	M 4
T 5	12 53 7	15°12'00	1♏26	17°46	17°10	4°14	24°49	26°R12	19°48	6°39	27°19	19°26	19°46	11°21	27°17	T 5
W 6	12 57 4	16°10'49	16°29	18°56	18°24	4°57	24°56	26°12	19°51	6°38	27°20	19°26	19°43	11°27	27°13	W 6
T 7	13 1 1	17° 9'36	1♐22	20° 7	19°37	5°41	25° 3	26°12	19°54	6°37	27°22	19°26	19°40	11°34	27° 8	T 7
F 8	13 4 57	18° 8'21	15°59	21°21	20°50	6°24	25°10	26°11	19°57	6°36	27°23	19°26	19°36	11°41	27° 4	F 8
S 9	13 8 54	19° 7'04	0♑15	22°37	22° 3	7° 7	25°16	26°11	20° 0	6°35	27°25	19°27	19°33	11°47	26°59	S 9
S 10	13 12 50	20° 5'45	14° 8	23°55	23°16	7°51	25°23	26°11	20° 3	6°34	27°26	19°27	19°30	11°54	26°55	S 10
M11	13 16 47	21° 4'25	27°38	25°15	24°29	8°34	25°29	26°10	20° 6	6°33	27°27	19°27	19°27	12° 1	26°50	M11
T 12	13 20 43	22° 3'03	10♒46	26°37	25°42	9°17	25°35	26° 9	20° 9	6°31	27°29	19°27	19°24	12° 7	26°45	T 12
W13	13 24 40	23° 1'40	23°35	28° 2	26°55	10° 0	25°41	26° 9	20°13	6°30	27°30	19°27	19°21	12°14	26°41	W13
T 14	13 28 36	24° 0'15	6♓ 8	29°27	28° 9	10°43	25°46	26° 8	20°16	6°29	27°31	19°27	19°17	12°21	26°36	T 14
F 15	13 32 33	24°58'47	18°27	0♈55	29°22	11°26	25°52	26° 7	20°19	6°28	27°33	19°28	19°14	12°27	26°31	F 15
S 16	13 36 30	25°57'19	0♈35	2°25	0♈35	12°10	25°57	26° 6	20°22	6°27	27°34	19°28	19°11	12°34	26°26	S 16
S 17	13 40 26	26°55'48	12°34	3°56	1°48	12°52	26° 2	26° 5	20°26	6°26	27°36	19°29	19° 8	12°41	26°22	S 17
M18	13 44 23	27°54'16	24°28	5°30	3° 1	13°35	26° 8	26° 3	20°29	6°26	27°37	19°R29	19° 5	12°47	26°17	M18
T 19	13 48 19	28°52'41	6♉17	7° 5	4°14	14°18	26°12	26° 2	20°32	6°25	27°38	19°28	19° 2	12°54	26°12	T 19
W20	13 52 16	29°51'05	18° 5	8°41	5°28	15° 1	26°17	26° 1	20°35	6°24	27°40	19°27	18°58	13° 1	26° 8	W20
T 21	13 56 12	0♉49'27	29°54	10°20	6°41	15°44	26°22	25°59	20°39	6°23	27°41	19°26	18°55	13° 7	26° 3	T 21
F 22	14 0 9	1°47'47	11♊45	12° 0	7°54	16°27	26°26	25°58	20°42	6°22	27°42	19°24	18°52	13°14	25°58	F 22
S 23	14 4 5	2°46'05	23°43	13°43	9° 7	17° 9	26°30	25°56	20°46	6°21	27°44	19°22	18°49	13°21	25°54	S 23
S 24	14 8 2	3°44'21	5♋50	15°26	10°20	17°52	26°34	25°54	20°49	6°21	27°45	19°21	18°46	13°27	25°49	S 24
M25	14 11 59	4°42'35	18° 9	17°12	11°34	18°35	26°38	25°52	20°52	6°20	27°47	19°19	18°42	13°34	25°45	M25
T 26	14 15 55	5°40'47	0♌45	19° 0	12°47	19°17	26°42	25°50	20°56	6°19	27°48	19°D19	18°39	13°41	25°40	T 26
W27	14 19 52	6°38'57	13°41	20°49	14° 0	20° 0	26°45	25°48	20°59	6°19	27°49	19°19	18°36	13°47	25°35	W27
T 28	14 23 48	7°37'05	27° 0	22°40	15°13	20°42	26°49	25°46	21° 2	6°18	27°51	19°19	18°33	13°54	25°31	T 28
F 29	14 27 45	8°35'10	10♍45	24°33	16°26	21°24	26°52	25°44	21° 6	6°17	27°52	19°21	18°30	14° 1	25°26	F 29
S 30	14 31 41	9♉33'14	24♍57	26♈27	17♈39	22♉ 7	26♑55	25♐42	21♉ 9	6♍17	27♈53	19♎22	18♎27	14♉ 7	25♎22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n28	7n 1	3s53	8s 5	1s45	8s 9	1s17	11n55	0s 2	21s27	0s 9	22s10	1n16	17n25	0s16	9n56	0n56	4s52	16s27	7s38	7s50	13n23	10s42	0s 4
S 2	4 51	2 37	2 52	7 49	1 52	7 42	1 19	12 11	0 1	21 26	0 10	22 10	1 16	17 26	0 16	9 56	0 56	4 52	16 27	7 37	7 48	13 24	10 40	0 4
S 3	5 14	2s 4	1 39	7 32	1 59	7 15	1 20	12 27	0 1	21 25	0 10	22 10	1 17	17 27	0 16	9 57	0 56	4 51	16 27	7 37	7 47	13 25	10 38	0 3
M 4	5 37	6 42	0 17	7 12	2 6	6 48	1 22	12 42	0 0	21 23	0 10	22 9	1 17	17 28	0 16	9 57	0 56	4 51	16 27	7 37	7 46	13 26	10 36	0 3
T 5	6 0	10 58	1n 6	6 52	2 11	6 21	1 23	12 58	0n 1	21 22	0 10	22 9	1 17	17 28	0 16	9 57	0 56	4 50	16 27	7 37	7 45	13 28	10 34	0 3
W 6	6 23	14 29	2 25	6 29	2 17	5 54	1 24	13 13	0 1	21 21	0 10	22 9	1 17	17 29	0 16	9 58	0 56	4 50	16 27	7 37	7 44	13 29	10 32	0 2
T 7	6 45	17 0	3 33	6 5	2 21	5 26	1 26	13 28	0 2	21 20	0 10	22 9	1 17	17 30	0 15	9 58	0 56	4 49	16 27	7 37	7 42	13 30	10 30	0 2
F 8	7 8	18 21	4 26	5 40	2 26	4 58	1 27	13 43	0 3	21 19	0 10	22 9	1 17	17 31	0 15	9 59	0 56	4 48	16 27	7 37	7 41	13 31	10 28	0 2
S 9	7 30	18 29	5 0	5 13	2 29	4 30	1 28	13 58	0 3	21 18	0 11	22 9	1 17	17 32	0 15	9 59	0 56	4 48	16 27	7 37	7 40	13 33	10 26	0 1
S 10	7 52	17 29	5 17	4 45	2 32	4 2	1 29	14 13	0 4	21 17	0 11	22 9	1 17	17 33	0 15	10 0	0 56	4 47	16 27	7 37	7 39	13 34	10 24	0 1
M11	8 14	15 32	5 15	4 15	2 35	3 34	1 30	14 27	0 4	21 16	0 11	22 9	1 17	17 33	0 15	10 0	0 56	4 47	16 27	7 37	7 38	13 35	10 22	0 0
T 12	8 36	12 49	4 56	3 44	2 37	3 6	1 31	14 42	0 5	21 15	0 11	22 9	1 17	17 34	0 15	10 0	0 56	4 46	16 26	7 37	7 36	13 36	10 20	0 0
W13	8 58	9 32	4 23	3 12	2 38	2 38	1 32	14 56	0 6	21 14	0 11	22 9	1 17	17 35	0 15	10 1	0 56	4 46	16 26	7 38	7 35	13 38	10 18	0n 0
T 14	9 20	5 54	3 38	2 39	2 39	2 9	1 32	15 10	0 6	21 13	0 11	22 9	1 17	17 36	0 15	10 1	0 56	4 45	16 26	7 38	7 34	13 39	10 16	0 1
F 15	9 41	2 4	2 44	2 4	2 39	1 41	1 33	15 24	0 7	21 12	0 12	22 9	1 17	17 37	0 15	10 1	0 56	4 45	16 26	7 38	7 33	13 40	10 14	0 1
S 16	10 3	1n48	1 43	1 28	2 39	1 12	1 34	15 38	0 8	21 11	0 12	22 9	1 17	17 38	0 15	10 2	0 56	4 44	16 26	7 38	7 32	13 41	10 12	0 1
S 17	10 24	5 34	0 38	0 51	2 38	0 43	1 34	15 52	0 8	21 11	0 12	22 9	1 17	17 39	0 15	10 2	0 56	4 44	16 26	7 38	7 30	13 43	10 10	0 2
M18	10 45	9 4	0s28	0 13	2 37	0 15	1 35	16 6	0 9	21 10	0 12	22 9	1 17	17 40	0 15	10 2	0 56	4 43	16 26	7 38	7 29	13 44	10 8	0 2
T 19	11 6	12 12	1 32	0n26	2 35	0n14	1 35	16 19	0 10	21 9	0 12	22 8	1 17	17 40	0 15	10 3	0 56	4 43	16 26	7 38	7 28	13 45	10 6	0 3
W20	11 27	14 49	2 32	1 7	2 33	0 43	1 35	16 32	0 10	21 8	0 12	22 8	1 17	17 41	0 15	10 3	0 56	4 42	16 26	7 38	7 27	13 46	10 4	0 3
T 21	11 47	16 49	3 26	1 48	2 30	1 12	1 36	16 45	0 11	21 8	0 12	22 8	1 17	17 42	0 15	10 3	0 56	4 42	16 26	7 37	7 25	13 48	10 2	0 3
F 22	12 7	18 6	4 11	2 31	2 26	1 40	1 36	16 58	0 11	21 7	0 13	22 8	1 17	17 43	0 15	10 4	0 56	4 41	16 26	7 37	7 24	13 49	10 0	0 4
S 23	12 27	18 35	4 46	3 14	2 23	2 9	1 36	17 11	0 12	21 6	0 13	22 8	1 17	17 44	0 15	10 4	0 56	4 41	16 26	7 36	7 23	13 50	9 58	0 4
S 24	12 47	18 14	5 8	3 58	2 18	2 38	1 36	17 24	0 13	21 6	0 13	22 8	1 18	17 45	0 15	10 4	0 56	4 41	16 26	7 35	7 22	13 51	9 56	0 4
M25	13 7	17 2	5 16	4 43	2 13	3 6	1 36	17 36	0 13	21 5	0 13	22 8	1 18	17 46	0 15	10 4	0 56	4 40	16 26	7 35	7 21	13 52	9 54	0 5
T 26	13 27	14 59	5 10	5 29	2 8	3 35	1 36	17 48	0 14	21 5	0 13	22 8	1 18	17 47	0 15	10 5	0 56	4 40	16 26	7 34	7 19	13 54	9 52	0 5
W27	13 46	12 9	4 48	6 16	2 2	4 4	1 36	18 1	0 15	21 4	0 13	22 8	1 18	17 48	0 15	10 5	0 56	4 39	16 26	7 34	7 18	13 55	9 50	0 6
T 28	14 5	8 36	4 11	7 3	1 55	4 32	1 35	18 12	0 15	21 4	0 14	22 8	1 18	17 49	0 15	10 5	0 56	4 39	16 26	7 35	7 17	13 56	9 48	0 6
F 29	14 24	4 30	3 18	7 51	1 48	5 1	1 35	18 24	0 16	21 3	0 14	22 8	1 18	17 50	0 15	10 5	0 56	4 38	16 26	7 35	7 16	13 57	9 46	0 6
S 30	14n42	0n 0	2s11	8n40	1s41	5n29	1s35	18n36	0n16	21s 3	0s14	22s 7	1n18	17n50	0s15	10n 6	0n56	4s38	16s26	7s36	7s15	13n58	9s44	0n 7

Julian Day Number = 2307364.5, Delta T = 82.15 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'51, Lahiri = 18°20'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

MAY 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 35 38	10♉31'16	9♎33	28♈24	18♈53	22♉49	26♏58	25°R39	21♉13	6°R16	27♈55	19♎23	18♎23	14♉14	25°R18	S 1
M 2	14 39 34	11°29'16	24°30	0♉22	20° 6	23°31	27° 0	25♐37	21°16	6♍16	27°56	19°R23	18°20	14°20	25♎13	M 2
T 3	14 43 31	12°27'15	9♏41	2°22	21°19	24°14	27° 3	25°34	21°20	6°15	27°57	19°22	18°17	14°27	25° 9	T 3
W 4	14 47 27	13°25'11	24°55	4°23	22°32	24°56	27° 5	25°32	21°23	6°15	27°59	19°20	18°14	14°34	25° 5	W 4
T 5	14 51 24	14°23'07	10♐ 4	6°27	23°45	25°38	27° 7	25°29	21°27	6°14	28° 0	19°17	18°11	14°40	25° 0	T 5
F 6	14 55 21	15°21'01	24°57	8°31	24°59	26°20	27° 9	25°26	21°30	6°14	28° 1	19°14	18° 7	14°47	24°56	F 6
S 7	14 59 17	16°18'53	9♑28	10°38	26°12	27° 2	27°10	25°23	21°34	6°14	28° 3	19°10	18° 4	14°54	24°52	S 7
S 8	15 3 14	17°16'45	23°33	12°45	27°25	27°44	27°12	25°20	21°37	6°13	28° 4	19° 7	18° 1	15° 0	24°48	S 8
M 9	15 7 10	18°14'35	7♒ 9	14°54	28°38	28°26	27°13	25°17	21°41	6°13	28° 5	19° 6	17°58	15° 7	24°44	M 9
T 10	15 11 7	19°12'24	20°19	17° 3	29°52	29° 8	27°14	25°14	21°44	6°13	28° 7	19°D 5	17°55	15°14	24°40	T 10
W11	15 15 3	20°10'11	3♓ 5	19°14	1♉ 5	29°49	27°15	25°11	21°48	6°13	28° 8	19° 6	17°52	15°20	24°36	W11
T 12	15 19 0	21° 7'58	15°31	21°25	2°18	0♊31	27°16	25° 8	21°51	6°12	28° 9	19° 7	17°48	15°27	24°32	T 12
F 13	15 22 56	22° 5'43	27°41	23°36	3°31	1°13	27°17	25° 5	21°55	6°12	28°11	19° 9	17°45	15°34	24°28	F 13
S 14	15 26 53	23° 3'27	9♈40	25°48	4°45	1°55	27°17	25° 1	21°58	6°12	28°12	19°10	17°42	15°40	24°25	S 14
S 15	15 30 50	24° 1'10	21°32	27°59	5°58	2°36	27°R17	24°58	22° 2	6°12	28°13	19°R11	17°39	15°47	24°21	S 15
M16	15 34 46	24°58'52	3♉20	0♊ 9	7°11	3°18	27°17	24°55	22° 5	6°12	28°14	19°10	17°36	15°54	24°17	M16
T 17	15 38 43	25°56'32	15° 8	2°19	8°24	4° 0	27°17	24°51	22° 9	6°D12	28°16	19° 7	17°33	16° 0	24°14	T 17
W18	15 42 39	26°54'12	26°57	4°28	9°38	4°41	27°16	24°47	22°12	6°12	28°17	19° 2	17°29	16° 7	24°10	W18
T 19	15 46 36	27°51'50	8♊49	6°36	10°51	5°23	27°16	24°44	22°16	6°12	28°18	18°56	17°26	16°14	24° 7	T 19
F 20	15 50 32	28°49'27	20°47	8°42	12° 4	6° 4	27°15	24°40	22°19	6°12	28°19	18°49	17°23	16°20	24° 4	F 20
S 21	15 54 29	29°47'02	2♋52	10°46	13°17	6°45	27°14	24°36	22°23	6°12	28°21	18°42	17°20	16°27	24° 1	S 21
S 22	15 58 25	0♊44'37	15° 6	12°48	14°31	7°27	27°13	24°33	22°26	6°12	28°22	18°35	17°17	16°34	23°58	S 22
M23	16 2 22	1°42'10	27°32	14°48	15°44	8° 8	27°12	24°29	22°29	6°12	28°23	18°29	17°13	16°40	23°55	M23
T 24	16 6 19	2°39'41	10♌11	16°46	16°57	8°49	27°10	24°25	22°33	6°13	28°24	18°25	17°10	16°47	23°52	T 24
W25	16 10 15	3°37'11	23° 6	18°42	18°11	9°30	27° 8	24°21	22°36	6°13	28°25	18°22	17° 7	16°54	23°49	W25
T 26	16 14 12	4°34'40	6♍20	20°35	19°24	10°12	27° 6	24°17	22°40	6°13	28°27	18°D22	17° 4	17° 0	23°46	T 26
F 27	16 18 8	5°32'08	19°57	22°25	20°37	10°53	27° 4	24°13	22°43	6°13	28°28	18°22	17° 1	17° 7	23°43	F 27
S 28	16 22 5	6°29'34	3♎56	24°13	21°51	11°34	27° 2	24° 9	22°47	6°14	28°29	18°24	16°58	17°14	23°41	S 28
S 29	16 26 1	7°26'59	18°19	25°58	23° 4	12°15	27° 0	24° 5	22°50	6°14	28°30	18°R24	16°54	17°20	23°38	S 29
M30	16 29 58	8°24'22	3♏ 4	27°41	24°17	12°56	26°57	24° 1	22°54	6°14	28°31	18°23	16°51	17°27	23°36	M30
T 31	16 33 54	9♊21'45	18♏ 4	29♊21	25♉30	13♊37	26♏54	23♐56	22♉57	6♍15	28♈32	18♎20	16♎48	17♉34	23♎34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 0	4s37	0s54	9n29	1s33	5n57	1s34	18n47	0n17	21s 2	0s14	22s 7	1n18	17n51	0s15	10n 6	0n56	4s38	16s27	7s36	7s13	14n 0	9s42	0n 7
M 2	15 19	9 5	0n28	10 18	1 24	6 25	1 34	18 58	0 18	21 2	0 14	22 7	1 18	17 52	0 15	10 6	0 56	4 37	16 27	7 36	7 12	14 1	9 40	0 7
T 3	15 36	13 0	1 50	11 8	1 16	6 53	1 33	19 10	0 18	21 2	0 14	22 7	1 18	17 53	0 15	10 6	0 56	4 37	16 27	7 36	7 11	14 2	9 38	0 8
W 4	15 54	16 4	3 4	11 58	1 7	7 21	1 33	19 20	0 19	21 1	0 15	22 7	1 18	17 54	0 15	10 6	0 56	4 36	16 27	7 35	7 10	14 3	9 36	0 8
T 5	16 11	17 59	4 4	12 48	0 57	7 49	1 32	19 31	0 19	21 1	0 15	22 7	1 18	17 55	0 15	10 6	0 56	4 36	16 27	7 34	7 9	14 4	9 34	0 8
F 6	16 28	18 37	4 47	13 38	0 47	8 17	1 31	19 42	0 20	21 1	0 15	22 7	1 18	17 56	0 15	10 6	0 56	4 36	16 27	7 33	7 7	14 6	9 32	0 9
S 7	16 45	18 0	5 10	14 27	0 37	8 44	1 30	19 52	0 20	21 1	0 15	22 7	1 18	17 57	0 15	10 7	0 56	4 35	16 27	7 31	7 6	14 7	9 30	0 9
S 8	17 2	16 17	5 13	15 16	0 27	9 11	1 29	20 2	0 21	21 1	0 15	22 7	1 18	17 58	0 15	10 7	0 56	4 35	16 27	7 30	7 5	14 8	9 28	0 10
M 9	17 18	13 42	4 59	16 4	0 17	9 38	1 28	20 12	0 22	21 1	0 15	22 6	1 18	17 59	0 15	10 7	0 56	4 35	16 27	7 29	7 4	14 9	9 27	0 10
T 10	17 34	10 29	4 29	16 52	0 6	10 5	1 27	20 22	0 22	21 1	0 16	22 6	1 18	18 0	0 15	10 7	0 56	4 34	16 27	7 29	7 2	14 10	9 25	0 10
W11	17 49	6 53	3 46	17 38	0n 4	10 32	1 26	20 31	0 23	21 1	0 16	22 6	1 18	18 1	0 15	10 7	0 56	4 34	16 27	7 30	7 1	14 12	9 23	0 11
T 12	18 5	3 3	2 54	18 24	0 15	10 58	1 25	20 41	0 23	21 1	0 16	22 6	1 18	18 1	0 15	10 7	0 56	4 34	16 27	7 30	7 0	14 13	9 21	0 11
F 13	18 20	0n50	1 55	19 7	0 25	11 24	1 24	20 50	0 24	21 1	0 16	22 6	1 18	18 2	0 15	10 7	0 56	4 33	16 28	7 31	6 59	14 14	9 20	0 11
S 14	18 34	4 38	0 52	19 49	0 36	11 50	1 23	20 59	0 24	21 1	0 16	22 6	1 18	18 3	0 15	10 7	0 56	4 33	16 28	7 31	6 58	14 15	9 18	0 12
S 15	18 49	8 13	0s13	20 30	0 46	12 16	1 21	21 8	0 25	21 1	0 17	22 6	1 18	18 4	0 15	10 7	0 56	4 33	16 28	7 31	6 56	14 16	9 16	0 12
M16	19 3	11 27	1 17	21 8	0 55	12 41	1 20	21 17	0 26	21 1	0 17	22 6	1 18	18 5	0 15	10 7	0 56	4 32	16 28	7 31	6 55	14 17	9 15	0 12
T 17	19 17	14 13	2 17	21 43	1 5	13 6	1 18	21 25	0 26	21 1	0 17	22 5	1 18	18 6	0 15	10 7	0 56	4 32	16 28	7 30	6 54	14 19	9 13	0 13
W18	19 30	16 25	3 11	22 17	1 14	13 31	1 17	21 33	0 27	21 2	0 17	22 5	1 18	18 7	0 15	10 7	0 56	4 32	16 28	7 28	6 53	14 20	9 11	0 13
T 19	19 43	17 54	3 57	22 48	1 22	13 55	1 15	21 41	0 27	21 2	0 17	22 5	1 18	18 8	0 15	10 7	0 56	4 31	16 28	7 26	6 52	14 21	9 10	0 13
F 20	19 56	18 37	4 34	23 16	1 30	14 19	1 14	21 49	0 28	21 2	0 17	22 5	1 18	18 9	0 15	10 7	0 56	4 31	16 29	7 23	6 50	14 22	9 8	0 14
S 21	20 9	18 30	4 58	23 42	1 37	14 43	1 12	21 57	0 28	21 3	0 18	22 5	1 18	18 10	0 15	10 7	0 56	4 31	16 29	7 20	6 49	14 23	9 7	0 14
S 22	20 21	17 31	5 9	24 5	1 43	15 6	1 11	22 4	0 29	21 3	0 18	22 5	1 18	18 10	0 15	10 7	0 56	4 31	16 29	7 18	6 48	14 24	9 5	0 14
M23	20 33	15 42	5 6	24 26	1 49	15 29	1 9	22 11	0 29	21 3	0 18	22 5	1 18	18 11	0 15	10 7	0 55	4 30	16 29	7 15	6 47	14 25	9 4	0 15
T 24	20 44	13 7	4 48	24 43	1 54	15 52	1 7	22 19	0 30	21 4	0 18	22 4	1 18	18 12	0 15	10 7	0 55	4 30	16 29	7 14	6 45	14 27	9 3	0 15
W25	20 55	9 50	4 15	24 59	1 59	16 14	1 5	22 25	0 30	21 4	0 18	22 4	1 18	18 13	0 15	10 7	0 55	4 30	16 29	7 13	6 44	14 28	9 1	0 16
T 26	21 6	5 59	3 28	25 11	2 2	16 36	1 3	22 32	0 31	21 5	0 19	22 4	1 18	18 14	0 15	10 6	0 55	4 30	16 30	7 13	6 43	14 29	9 0	0 16
F 27	21 16	1 44	2 28	25 21	2 5	16 57	1 1	22 38	0 31	21 6	0 19	22 4	1 18	18 15	0 15	10 6	0 55	4 29	16 30	7 13	6 42	14 30	8 59	0 16
S 28	21 26	2s45	1 17	25 29	2 7	17 18	1 0	22 45	0 32	21 6	0 19	22 4	1 18	18 16	0 15	10 6	0 55	4 29	16 30	7 13	6 41	14 31	8 57	0 17
S 29	21 36	7 12	0 0	25 34	2 9	17 39	0 58	22 51	0 33	21 7	0 19	22 4	1 18	18 17	0 15	10 6	0 55	4 29	16 30	7 14	6 39	14 32	8 56	0 17
M30	21 45	11 20	1n18	25 37	2 9	17 59	0 56	22 57	0 33	21 8	0 19	22 4	1 18	18 18	0 15	10 6	0 55	4 29	16 30	7 13	6 38	14 33	8 55	0 17
T 31	21n54	14s48	2n33	25n38	2n 9	18n19	0s53	23n 2	0n34	21s 8	0s19	22s 3	1n18	18n18	0s15	10n 6	0n55	4s29	16s31	7s12	6s37	14n34	8s54	0n18

Julian Day Number = 2307394.5, Delta T = 82.05 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°13'56, Lahiri = 18°20'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

JUNE 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 37 51	10♊19'07	3♐14	0♋58	26♉44	14♊18	26°R51	23°R52	23♉ 0	6♍15	28♈33	18°R15	16♎45	17♉40	23°R31	W 1
T 2	16 41 48	11°16'28	18°23	2°32	27°57	14°59	26♑48	23♐48	23° 4	6°16	28°34	18♎ 9	16°42	17°47	23♎29	T 2
F 3	16 45 44	12°13'48	3♑21	4° 3	29°10	15°39	26°44	23°44	23° 7	6°16	28°35	18° 1	16°39	17°54	23°27	F 3
S 4	16 49 41	13°11'07	17°59	5°32	0♊24	16°20	26°41	23°39	23°10	6°17	28°36	17°52	16°35	18° 0	23°25	S 4
S 5	16 53 37	14° 8'26	2♒11	6°58	1°37	17° 1	26°37	23°35	23°14	6°17	28°37	17°45	16°32	18° 7	23°24	S 5
M 6	16 57 34	15° 5'44	15°54	8°21	2°51	17°42	26°33	23°31	23°17	6°18	28°38	17°40	16°29	18°14	23°22	M 6
T 7	17 1 30	16° 3'02	29° 9	9°41	4° 4	18°22	26°29	23°26	23°20	6°19	28°39	17°36	16°26	18°20	23°20	T 7
W 8	17 5 27	17° 0'19	11♓57	10°58	5°17	19° 3	26°25	23°22	23°24	6°19	28°40	17°D35	16°23	18°27	23°19	W 8
T 9	17 9 24	17°57'36	24°23	12°12	6°31	19°43	26°21	23°18	23°27	6°20	28°41	17°35	16°19	18°34	23°17	T 9
F 10	17 13 20	18°54'53	6♈31	13°23	7°44	20°24	26°16	23°13	23°30	6°21	28°42	17°36	16°16	18°40	23°16	F 10
S 11	17 17 17	19°52'09	18°28	14°31	8°58	21° 4	26°11	23° 9	23°33	6°22	28°43	17°R36	16°13	18°47	23°15	S 11
S 12	17 21 13	20°49'25	0♉17	15°36	10°11	21°45	26° 7	23° 5	23°37	6°22	28°44	17°35	16°10	18°54	23°14	S 12
M13	17 25 10	21°46'41	12° 4	16°37	11°25	22°25	26° 2	23° 0	23°40	6°23	28°45	17°32	16° 7	19° 0	23°13	M13
T 14	17 29 6	22°43'56	23°53	17°35	12°38	23° 6	25°56	22°56	23°43	6°24	28°46	17°27	16° 4	19° 7	23°12	T 14
W15	17 33 3	23°41'11	5♊45	18°30	13°51	23°46	25°51	22°51	23°46	6°25	28°47	17°19	16° 0	19°14	23°11	W15
T 16	17 36 59	24°38'26	17°45	19°21	15° 5	24°26	25°46	22°47	23°49	6°26	28°48	17° 9	15°57	19°20	23°11	T 16
F 17	17 40 56	25°35'40	29°52	20° 9	16°18	25° 7	25°40	22°42	23°52	6°27	28°49	16°57	15°54	19°27	23°10	F 17
S 18	17 44 53	26°32'54	12♋10	20°52	17°32	25°47	25°34	22°38	23°55	6°28	28°49	16°45	15°51	19°34	23°10	S 18
S 19	17 48 49	27°30'08	24°37	21°32	18°45	26°27	25°28	22°34	23°58	6°29	28°50	16°33	15°48	19°40	23° 9	S 19
M20	17 52 46	28°27'21	7♌15	22° 8	19°59	27° 7	25°22	22°29	24° 2	6°30	28°51	16°23	15°45	19°47	23° 9	M20
T 21	17 56 42	29°24'34	20° 6	22°40	21°13	27°47	25°16	22°25	24° 5	6°31	28°52	16°15	15°41	19°54	23°D 9	T 21
W22	18 0 39	0♋21'46	3♍ 9	23° 8	22°26	28°27	25°10	22°21	24° 8	6°32	28°53	16°10	15°38	20° 0	23° 9	W22
T 23	18 4 35	1°18'58	16°26	23°31	23°40	29° 8	25° 4	22°16	24°10	6°33	28°53	16° 7	15°35	20° 7	23° 9	T 23
F 24	18 8 32	2°16'09	29°59	23°50	24°53	29°48	24°57	22°12	24°13	6°34	28°54	16°D 7	15°32	20°14	23° 9	F 24
S 25	18 12 28	3°13'20	13♎51	24° 5	26° 7	0♋27	24°51	22° 8	24°16	6°36	28°55	16°R 7	15°29	20°20	23°10	S 25
S 26	18 16 25	4°10'31	28° 1	24°15	27°20	1° 7	24°44	22° 3	24°19	6°37	28°55	16° 7	15°25	20°27	23°10	S 26
M27	18 20 22	5° 7'41	12♏28	24°20	28°34	1°47	24°37	21°59	24°22	6°38	28°56	16° 5	15°22	20°34	23°11	M27
T 28	18 24 18	6° 4'51	27°11	24°R20	29°48	2°27	24°30	21°55	24°25	6°39	28°57	16° 0	15°19	20°40	23°11	T 28
W29	18 28 15	7° 2'00	12♐ 2	24°16	1♋ 1	3° 7	24°23	21°51	24°28	6°41	28°57	15°53	15°16	20°47	23°12	W29
T 30	18 32 11	7♋59'10	26♐56	24♋ 8	2♋15	3♋47	24♑16	21♐47	24♉30	6♍42	28♈58	15♎44	15♎13	20♉54	23♎13	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 2	17s17	3n37	25n37	2n 8	18n38	0s51	23n 8	0n34	21s 9	0s20	22s 3	1n17	18n19	0s15	10n 5	0n55	4s29	16s31	7s10	6s36	14n36	8s53	0n18
T 2	22 11	18 33	4 26	25 34	2 6	18 57	0 49	23 13	0 35	21 10	0 20	22 3	1 17	18 20	0 15	10 5	0 55	4 28	16 31	7 8	6 34	14 37	8 52	0 18
F 3	22 18	18 30	4 56	25 29	2 4	19 15	0 47	23 18	0 35	21 11	0 20	22 3	1 17	18 21	0 15	10 5	0 55	4 28	16 31	7 5	6 33	14 38	8 50	0 19
S 4	22 26	17 13	5 6	25 22	2 0	19 33	0 45	23 23	0 36	21 12	0 20	22 3	1 17	18 22	0 15	10 5	0 55	4 28	16 31	7 2	6 32	14 39	8 49	0 19
S 5	22 33	14 54	4 57	25 14	1 56	19 50	0 43	23 27	0 36	21 12	0 20	22 3	1 17	18 23	0 15	10 5	0 55	4 28	16 32	6 59	6 31	14 40	8 49	0 19
M 6	22 39	11 48	4 30	25 5	1 51	20 6	0 41	23 31	0 37	21 13	0 21	22 3	1 17	18 23	0 15	10 4	0 55	4 28	16 32	6 57	6 30	14 41	8 48	0 19
T 7	22 45	8 12	3 50	24 54	1 46	20 23	0 38	23 36	0 37	21 14	0 21	22 2	1 17	18 24	0 15	10 4	0 55	4 28	16 32	6 55	6 28	14 42	8 47	0 20
W 8	22 51	4 20	2 59	24 42	1 40	20 38	0 36	23 40	0 38	21 15	0 21	22 2	1 17	18 25	0 15	10 4	0 55	4 28	16 32	6 55	6 27	14 43	8 46	0 20
T 9	22 56	0 23	2 1	24 28	1 33	20 53	0 34	23 43	0 38	21 16	0 21	22 2	1 17	18 26	0 15	10 4	0 55	4 27	16 33	6 55	6 26	14 44	8 45	0 20
F 10	23 1	3n30	0 59	24 14	1 25	21 8	0 31	23 47	0 39	21 17	0 21	22 2	1 17	18 27	0 15	10 3	0 55	4 27	16 33	6 55	6 25	14 46	8 44	0 21
S 11	23 6	7 11	0s 5	23 58	1 17	21 21	0 29	23 50	0 39	21 18	0 21	22 2	1 17	18 28	0 15	10 3	0 55	4 27	16 33	6 55	6 23	14 47	8 44	0 21
S 12	23 10	10 33	1 7	23 42	1 8	21 35	0 27	23 53	0 39	21 20	0 22	22 2	1 17	18 28	0 15	10 3	0 55	4 27	16 33	6 55	6 22	14 48	8 43	0 21
M13	23 14	13 29	2 7	23 25	0 59	21 47	0 24	23 56	0 40	21 21	0 22	22 1	1 17	18 29	0 15	10 2	0 55	4 27	16 34	6 54	6 21	14 49	8 42	0 22
T 14	23 17	15 52	3 1	23 8	0 48	22 0	0 22	23 59	0 40	21 22	0 22	22 1	1 17	18 30	0 15	10 2	0 55	4 27	16 34	6 52	6 20	14 50	8 42	0 22
W15	23 20	17 35	3 47	22 50	0 38	22 11	0 20	24 1	0 41	21 23	0 22	22 1	1 17	18 31	0 15	10 2	0 55	4 27	16 34	6 49	6 19	14 51	8 41	0 22
T 16	23 23	18 33	4 24	22 31	0 26	22 22	0 17	24 4	0 41	21 24	0 22	22 1	1 17	18 32	0 15	10 1	0 55	4 27	16 34	6 45	6 17	14 52	8 40	0 23
F 17	23 25	18 40	4 49	22 13	0 14	22 32	0 15	24 6	0 42	21 25	0 23	22 1	1 16	18 32	0 15	10 1	0 55	4 27	16 35	6 40	6 16	14 53	8 40	0 23
S 18	23 27	17 56	5 1	21 54	0 2	22 42	0 13	24 8	0 42	21 27	0 23	22 1	1 16	18 33	0 15	10 0	0 55	4 27	16 35	6 36	6 15	14 54	8 40	0 23
S 19	23 28	16 20	4 59	21 34	0s11	22 51	0 10	24 9	0 43	21 28	0 23	22 1	1 16	18 34	0 15	10 0	0 55	4 27	16 35	6 31	6 14	14 55	8 39	0 24
M20	23 29	13 56	4 42	21 15	0 25	22 59	0 8	24 11	0 43	21 29	0 23	22 0	1 16	18 35	0 15	10 0	0 55	4 27	16 35	6 27	6 12	14 56	8 39	0 24
T 21	23 29	10 50	4 12	20 56	0 39	23 6	0 5	24 12	0 44	21 30	0 23	22 0	1 16	18 35	0 15	9 59	0 55	4 27	16 36	6 24	6 11	14 57	8 38	0 24
W22	23 29	7 9	3 27	20 37	0 53	23 13	0 3	24 13	0 44	21 32	0 23	22 0	1 16	18 36	0 15	9 59	0 55	4 27	16 36	6 22	6 10	14 58	8 38	0 24
T 23	23 29	3 3	2 31	20 19	1 8	23 20	0 0	24 14	0 45	21 33	0 24	22 0	1 16	18 37	0 15	9 58	0 55	4 27	16 36	6 21	6 9	15 0	8 38	0 25
F 24	23 28	1s17	1 24	20 1	1 23	23 25	0n 2	24 14	0 45	21 34	0 24	22 0	1 16	18 38	0 15	9 58	0 55	4 27	16 37	6 21	6 8	15 1	8 38	0 25
S 25	23 27	5 40	0 12	19 43	1 39	23 30	0 4	24 15	0 45	21 36	0 24	22 0	1 16	18 38	0 15	9 57	0 55	4 27	16 37	6 21	6 6	15 2	8 38	0 25
S 26	23 25	9 49	1n 3	19 26	1 54	23 34	0 7	24 15	0 46	21 37	0 24	21 59	1 16	18 39	0 15	9 57	0 55	4 27	16 37	6 21	6 5	15 3	8 38	0 26
M27	23 23	13 28	2 15	19 10	2 10	23 38	0 9	24 15	0 46	21 39	0 24	21 59	1 16	18 40	0 15	9 57	0 55	4 27	16 37	6 20	6 4	15 4	8 37	0 26
T 28	23 21	16 20	3 19	18 55	2 25	23 41	0 12	24 15	0 47	21 40	0 25	21 59	1 15	18 40	0 15	9 56	0 55	4 27	16 38	6 19	6 3	15 5	8 37	0 26
W29	23 18	18 8	4 11	18 40	2 41	23 43	0 14	24 14	0 47	21 41	0 25	21 59	1 15	18 41	0 15	9 56	0 55	4 27	16 38	6 16	6 1	15 6	8 37	0 26
T 30	23n15	18s42	4n45	18n26	2s56	23n44	0n16	24n14	0n48	21s43	0s25	21s59	1n15	18n42	0s15	9n55	0n55	4s27	16s38	6s12	6s 0	15n 7	8s38	0n27

Julian Day Number = 2307425.5, Delta T = 81.95 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'00, Lahiri = 18°21'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

JULY 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 36 8	8♋56'20	11♑43	23°R54	3♋28	4♋27	24°R 9	21°R42	24♉33	6♍43	28♈59	15°R33	15♎10	21♉ 0	23♎14	F 1
S 2	18 40 4	9°53'29	26°14	23♋37	4°42	5° 6	24♑ 2	21♐38	24°36	6°45	28°59	15♎22	15° 6	21° 7	23°15	S 2
S 3	18 44 1	10°50'39	10♒24	23°15	5°56	5°46	23°54	21°34	24°39	6°46	29° 0	15°12	15° 3	21°14	23°16	S 3
M 4	18 47 57	11°47'50	24° 8	22°49	7°10	6°26	23°47	21°30	24°41	6°47	29° 0	15° 4	15° 0	21°20	23°18	M 4
T 5	18 51 54	12°45'00	7♓24	22°20	8°23	7° 5	23°40	21°26	24°44	6°49	29° 1	14°58	14°57	21°27	23°19	T 5
W 6	18 55 51	13°42'11	20°14	21°48	9°37	7°45	23°32	21°22	24°46	6°50	29° 1	14°55	14°54	21°34	23°21	W 6
T 7	18 59 47	14°39'23	2♈42	21°12	10°51	8°24	23°25	21°19	24°49	6°52	29° 2	14°53	14°51	21°40	23°22	T 7
F 8	19 3 44	15°36'35	14°52	20°35	12° 4	9° 4	23°17	21°15	24°51	6°53	29° 2	14°53	14°47	21°47	23°24	F 8
S 9	19 7 40	16°33'47	26°49	19°56	13°18	9°43	23° 9	21°11	24°54	6°55	29° 3	14°53	14°44	21°54	23°26	S 9
S 10	19 11 37	17°31'01	8♉40	19°17	14°32	10°23	23° 2	21° 7	24°56	6°57	29° 3	14°52	14°41	22° 1	23°28	S 10
M11	19 15 33	18°28'15	20°28	18°37	15°46	11° 2	22°54	21° 4	24°59	6°58	29° 3	14°49	14°38	22° 7	23°30	M11
T 12	19 19 30	19°25'29	2♊19	17°57	17° 0	11°42	22°46	21° 0	25° 1	7° 0	29° 4	14°43	14°35	22°14	23°32	T 12
W13	19 23 26	20°22'44	14°17	17°19	18°13	12°21	22°39	20°56	25° 3	7° 1	29° 4	14°35	14°31	22°21	23°35	W13
T 14	19 27 23	21°20'00	26°24	16°42	19°27	13° 0	22°31	20°53	25° 6	7° 3	29° 5	14°24	14°28	22°27	23°37	T 14
F 15	19 31 20	22°17'17	8♋43	16° 8	20°41	13°40	22°23	20°49	25° 8	7° 5	29° 5	14°11	14°25	22°34	23°40	F 15
S 16	19 35 16	23°14'34	21°15	15°37	21°55	14°19	22°15	20°46	25°10	7° 6	29° 5	13°58	14°22	22°41	23°42	S 16
S 17	19 39 13	24°11'52	4♌ 0	15°10	23° 9	14°58	22° 8	20°43	25°12	7° 8	29° 5	13°46	14°19	22°47	23°45	S 17
M18	19 43 9	25° 9'10	16°57	14°47	24°23	15°37	22° 0	20°39	25°15	7°10	29° 6	13°35	14°16	22°54	23°48	M18
T 19	19 47 6	26° 6'29	0♍ 5	14°28	25°37	16°17	21°52	20°36	25°17	7°12	29° 6	13°27	14°12	23° 1	23°51	T 19
W20	19 51 2	27° 3'48	13°25	14°15	26°51	16°56	21°44	20°33	25°19	7°13	29° 6	13°21	14° 9	23° 7	23°54	W20
T 21	19 54 59	28° 1'08	26°56	14° 8	28° 5	17°35	21°37	20°30	25°21	7°15	29° 6	13°18	14° 6	23°14	23°57	T 21
F 22	19 58 55	28°58'28	10♎37	14°D 6	29°19	18°14	21°29	20°27	25°23	7°17	29° 6	13°D17	14° 3	23°21	24° 0	F 22
S 23	20 2 52	29°55'49	24°30	14°10	0♌33	18°53	21°21	20°24	25°25	7°19	29° 7	13°R17	14° 0	23°27	24° 3	S 23
S 24	20 6 49	0♌53'10	8♏33	14°20	1°47	19°32	21°14	20°21	25°27	7°21	29° 7	13°17	13°57	23°34	24° 7	S 24
M25	20 10 45	1°50'32	22°48	14°36	3° 1	20°11	21° 6	20°19	25°28	7°23	29° 7	13°16	13°53	23°41	24°10	M25
T 26	20 14 42	2°47'54	7♐11	14°58	4°15	20°50	20°59	20°16	25°30	7°24	29° 7	13°12	13°50	23°47	24°14	T 26
W27	20 18 38	3°45'17	21°40	15°27	5°29	21°29	20°51	20°13	25°32	7°26	29° 7	13° 6	13°47	23°54	24°18	W27
T 28	20 22 35	4°42'41	6♑ 9	16° 2	6°43	22° 8	20°44	20°11	25°34	7°28	29° 7	12°57	13°44	24° 1	24°21	T 28
F 29	20 26 31	5°40'05	20°33	16°44	7°57	22°47	20°37	20° 8	25°35	7°30	29° 7	12°48	13°41	24° 7	24°25	F 29
S 30	20 30 28	6°37'30	4♒45	17°31	9°11	23°26	20°30	20° 6	25°37	7°32	29°R 7	12°37	13°37	24°14	24°29	S 30
S 31	20 34 24	7♌34'57	18♒40	18♋25	10♌25	24♋ 4	20♑23	20♐ 4	25♉39	7♍34	29♈ 7	12♎28	13♎34	24♉21	24♎33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n11	17s59	5n 0	18n14	3s11	23n45	0n19	24n13	0n48	21s44	0s25	21s59	1n15	18n42	0s15	9n55	0n55	4s27	16s39	6s 8	5s59	15n 8	8s38	0n27
S 2	23 7	16 6	4 56	18 3	3 25	23 45	0 21	24 12	0 49	21 46	0 25	21 59	1 15	18 43	0 15	9 54	0 55	4 27	16 39	6 4	5 58	15 9	8 38	0 27
S 3	23 3	13 17	4 33	17 53	3 39	23 44	0 23	24 11	0 49	21 47	0 25	21 58	1 15	18 44	0 15	9 53	0 55	4 28	16 39	6 0	5 57	15 10	8 38	0 28
M 4	22 58	9 49	3 54	17 44	3 52	23 43	0 25	24 9	0 49	21 49	0 26	21 58	1 15	18 44	0 15	9 53	0 55	4 28	16 40	5 57	5 55	15 11	8 38	0 28
T 5	22 53	5 57	3 5	17 37	4 4	23 41	0 28	24 8	0 50	21 50	0 26	21 58	1 15	18 45	0 15	9 52	0 55	4 28	16 40	5 54	5 54	15 12	8 39	0 28
W 6	22 47	1 56	2 7	17 31	4 16	23 38	0 30	24 6	0 50	21 51	0 26	21 58	1 14	18 46	0 15	9 52	0 55	4 28	16 40	5 53	5 53	15 13	8 39	0 28
T 7	22 41	2n 3	1 4	17 26	4 26	23 35	0 32	24 4	0 51	21 53	0 26	21 58	1 14	18 46	0 15	9 51	0 55	4 28	16 41	5 53	5 52	15 14	8 39	0 29
F 8	22 34	5 52	0 0	17 23	4 34	23 30	0 34	24 2	0 51	21 54	0 26	21 58	1 14	18 47	0 15	9 51	0 55	4 28	16 41	5 53	5 50	15 15	8 40	0 29
S 9	22 28	9 23	1s 3	17 22	4 41	23 26	0 36	23 59	0 51	21 56	0 26	21 58	1 14	18 47	0 15	9 50	0 55	4 28	16 41	5 53	5 49	15 16	8 40	0 29
S 10	22 20	12 29	2 2	17 22	4 47	23 20	0 39	23 57	0 52	21 57	0 26	21 58	1 14	18 48	0 15	9 50	0 55	4 29	16 41	5 52	5 48	15 17	8 40	0 30
M11	22 13	15 4	2 56	17 23	4 51	23 14	0 41	23 54	0 52	21 59	0 27	21 58	1 14	18 49	0 15	9 49	0 55	4 29	16 42	5 51	5 47	15 18	8 41	0 30
T 12	22 5	17 1	3 43	17 26	4 54	23 7	0 43	23 51	0 53	22 0	0 27	21 57	1 14	18 49	0 15	9 48	0 55	4 29	16 42	5 49	5 45	15 19	8 42	0 30
W13	21 56	18 15	4 20	17 30	4 54	22 59	0 45	23 48	0 53	22 1	0 27	21 57	1 14	18 50	0 15	9 48	0 55	4 29	16 42	5 45	5 44	15 20	8 42	0 30
T 14	21 48	18 40	4 46	17 36	4 53	22 51	0 47	23 44	0 53	22 3	0 27	21 57	1 13	18 50	0 15	9 47	0 55	4 29	16 43	5 41	5 43	15 21	8 43	0 31
F 15	21 38	18 13	4 59	17 42	4 50	22 42	0 49	23 41	0 54	22 4	0 27	21 57	1 13	18 51	0 15	9 46	0 55	4 29	16 43	5 36	5 42	15 22	8 43	0 31
S 16	21 29	16 54	4 58	17 50	4 46	22 32	0 51	23 37	0 54	22 6	0 27	21 57	1 13	18 51	0 15	9 46	0 55	4 30	16 43	5 31	5 40	15 23	8 44	0 31
S 17	21 19	14 43	4 42	17 59	4 40	22 22	0 53	23 33	0 55	22 7	0 27	21 57	1 13	18 52	0 15	9 45	0 55	4 30	16 44	5 27	5 39	15 24	8 45	0 31
M18	21 9	11 47	4 12	18 9	4 33	22 11	0 54	23 29	0 55	22 9	0 28	21 57	1 13	18 52	0 15	9 44	0 54	4 30	16 44	5 22	5 38	15 25	8 46	0 32
T 19	20 58	8 13	3 28	18 19	4 24	21 59	0 56	23 25	0 55	22 10	0 28	21 57	1 13	18 53	0 15	9 44	0 54	4 30	16 44	5 19	5 37	15 26	8 47	0 32
W20	20 47	4 12	2 31	18 31	4 14	21 47	0 58	23 20	0 56	22 11	0 28	21 57	1 12	18 53	0 15	9 43	0 54	4 31	16 45	5 17	5 36	15 27	8 47	0 32
T 21	20 36	0s 5	1 26	18 42	4 3	21 34	1 0	23 15	0 56	22 13	0 28	21 57	1 12	18 54	0 15	9 42	0 54	4 31	16 45	5 16	5 34	15 28	8 48	0 32
F 22	20 24	4 26	0 14	18 55	3 51	21 20	1 1	23 11	0 56	22 14	0 28	21 57	1 12	18 54	0 15	9 42	0 54	4 31	16 45	5 15	5 33	15 29	8 49	0 33
S 23	20 12	8 36	0n59	19 7	3 38	21 6	1 3	23 6	0 57	22 15	0 28	21 57	1 12	18 55	0 15	9 41	0 54	4 31	16 46	5 15	5 32	15 30	8 50	0 33
S 24	20 0	12 20	2 10	19 20	3 24	20 51	1 5	23 0	0 57	22 17	0 28	21 57	1 12	18 55	0 15	9 40	0 54	4 32	16 46	5 15	5 31	15 31	8 51	0 33
M25	19 47	15 23	3 14	19 32	3 10	20 36	1 6	22 55	0 58	22 18	0 29	21 56	1 12	18 56	0 15	9 40	0 54	4 32	16 46	5 15	5 29	15 32	8 52	0 34
T 26	19 34	17 31	4 5	19 45	2 55	20 20	1 8	22 49	0 58	22 19	0 29	21 56	1 12	18 56	0 15	9 39	0 54	4 32	16 47	5 13	5 28	15 33	8 53	0 34
W27	19 21	18 32	4 42	19 57	2 40	20 3	1 9	22 44	0 58	22 20	0 29	21 56	1 11	18 57	0 15	9 38	0 54	4 32	16 47	5 11	5 27	15 34	8 55	0 34
T 28	19 7	18 20	5 1	20 8	2 24	19 46	1 10	22 38	0 59	22 22	0 29	21 56	1 11	18 57	0 15	9 37	0 54	4 33	16 47	5 8	5 26	15 35	8 56	0 34
F 29	18 54	16 58	5 0	20 19	2 8	19 28	1 12	22 32	0 59	22 23	0 29	21 56	1 11	18 57	0 15	9 37	0 54	4 33	16 48	5 4	5 24	15 36	8 57	0 35
S 30	18 39	14 34	4 41	20 29	1 53	19 10	1 13	22 26	0 59	22 24	0 29	21 56	1 11	18 58	0 15	9 36	0 54	4 33	16 48	5 0	5 23	15 37	8 58	0 35
S 31	18n25	11s23	4n 5	20n37	1s37	18n51	1n14	22n19	1n 0	22s25	0s29	21s56	1n11	18n58	0s15	9n35	0n54	4s34	16s48	4s56	5s22	15n38	8s59	0n35

Julian Day Number = 2307455.5, Delta T = 81.85 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'04, Lahiri = 18°21'04Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1605
geocentric

AUGUST 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 38 21	8♌32'24	2♓13	19♋25	11♌39	24♋43	20°R15	20°R 2	25♉40	7♍36	29°R 7	12°R20	13♎31	24♉27	24♎38	M 1
T 2	20 42 18	9°29'52	15°24	20°31	12°53	25°22	20♑ 9	20♐ 0	25°42	7°38	29♈ 7	12♎15	13°28	24°34	24°42	T 2
W 3	20 46 14	10°27'22	28°12	21°42	14° 7	26° 1	20° 2	19°58	25°43	7°40	29° 7	12°12	13°25	24°41	24°46	W 3
T 4	20 50 11	11°24'53	10♈39	22°59	15°21	26°39	19°55	19°56	25°45	7°42	29° 7	12°D11	13°22	24°47	24°51	T 4
F 5	20 54 7	12°22'26	22°50	24°21	16°35	27°18	19°48	19°54	25°46	7°44	29° 7	12°11	13°18	24°54	24°55	F 5
S 6	20 58 4	13°19'59	4♉49	25°49	17°49	27°57	19°42	19°52	25°47	7°46	29° 6	12°12	13°15	25° 1	25° 0	S 6
S 7	21 2 0	14°17'35	16°41	27°21	19° 3	28°35	19°35	19°50	25°48	7°48	29° 6	12°R12	13°12	25° 7	25° 5	S 7
M 8	21 5 57	15°15'12	28°31	28°57	20°18	29°14	19°29	19°49	25°50	7°50	29° 6	12°11	13° 9	25°14	25°10	M 8
T 9	21 9 53	16°12'50	10♊25	0♌38	21°32	29°53	19°23	19°47	25°51	7°53	29° 6	12° 8	13° 6	25°21	25°14	T 9
W10	21 13 50	17°10'30	22°26	2°22	22°46	0♌31	19°17	19°46	25°52	7°55	29° 6	12° 3	13° 2	25°28	25°19	W10
T 11	21 17 47	18° 8'11	4♋40	4° 9	24° 0	1°10	19°11	19°45	25°53	7°57	29° 5	11°56	12°59	25°34	25°24	T 11
F 12	21 21 43	19° 5'54	17° 8	6° 0	25°14	1°48	19° 5	19°43	25°54	7°59	29° 5	11°47	12°56	25°41	25°30	F 12
S 13	21 25 40	20° 3'39	29°53	7°53	26°29	2°27	18°59	19°42	25°55	8° 1	29° 5	11°38	12°53	25°48	25°35	S 13
S 14	21 29 36	21° 1'24	12♌54	9°48	27°43	3° 5	18°54	19°41	25°56	8° 3	29° 5	11°29	12°50	25°54	25°40	S 14
M15	21 33 33	21°59'12	26°11	11°44	28°57	3°44	18°48	19°40	25°57	8° 5	29° 4	11°22	12°47	26° 1	25°46	M15
T 16	21 37 29	22°57'00	9♍43	13°42	0♍11	4°22	18°43	19°39	25°58	8° 7	29° 4	11°16	12°43	26° 8	25°51	T 16
W17	21 41 26	23°54'50	23°26	15°41	1°26	5° 0	18°38	19°39	25°59	8°10	29° 4	11°12	12°40	26°14	25°57	W17
T 18	21 45 22	24°52'42	7♎19	17°41	2°40	5°39	18°33	19°38	25°59	8°12	29° 3	11°D11	12°37	26°21	26° 2	T 18
F 19	21 49 19	25°50'34	21°19	19°41	3°54	6°17	18°28	19°37	26° 0	8°14	29° 3	11°11	12°34	26°28	26° 8	F 19
S 20	21 53 16	26°48'28	5♏24	21°40	5° 8	6°55	18°24	19°37	26° 1	8°16	29° 2	11°12	12°31	26°34	26°14	S 20
S 21	21 57 12	27°46'23	19°33	23°40	6°23	7°34	18°19	19°37	26° 1	8°18	29° 2	11°14	12°28	26°41	26°20	S 21
M22	22 1 9	28°44'20	3♐43	25°39	7°37	8°12	18°15	19°36	26° 2	8°21	29° 1	11°R14	12°24	26°48	26°26	M22
T 23	22 5 5	29°42'18	17°54	27°38	8°51	8°50	18°11	19°36	26° 2	8°23	29° 1	11°12	12°21	26°54	26°32	T 23
W24	22 9 2	0♍40'17	2♑ 3	29°36	10° 6	9°28	18° 7	19°D36	26° 3	8°25	29° 0	11° 9	12°18	27° 1	26°38	W24
T 25	22 12 58	1°38'17	16° 8	1♍33	11°20	10° 7	18° 3	19°36	26° 3	8°27	29° 0	11° 4	12°15	27° 8	26°44	T 25
F 26	22 16 55	2°36'19	0♒ 4	3°29	12°34	10°45	18° 0	19°36	26° 3	8°29	28°59	10°59	12°12	27°14	26°50	F 26
S 27	22 20 51	3°34'22	13°50	5°24	13°49	11°23	17°56	19°36	26° 4	8°32	28°59	10°53	12° 8	27°21	26°56	S 27
S 28	22 24 48	4°32'27	27°21	7°18	15° 3	12° 1	17°53	19°37	26° 4	8°34	28°58	10°47	12° 5	27°28	27° 3	S 28
M29	22 28 45	5°30'34	10♓36	9°11	16°17	12°39	17°50	19°37	26° 4	8°36	28°58	10°43	12° 2	27°34	27° 9	M29
T 30	22 32 41	6°28'42	23°33	11° 2	17°32	13°17	17°47	19°38	26° 4	8°38	28°57	10°40	11°59	27°41	27°16	T 30
W31	22 36 38	7♍26'52	6♈12	12♍53	18♍46	13♌55	17♑45	19♐38	26♉ 4	8♍41	28♈56	10°D38	11♎56	27♉48	27♎22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n10	7s39	3n16	20n45	1s21	18n32	1n15	22n13	1n 0	22s26	0s29	21s56	1n11	18n58	0s15	9n35	0n54	4s34	16s49	4s53	5s21	15n39	9s 1	0n35
T 2	17 55	3 39	2 18	20 50	1 6	18 12	1 16	22 6	1 0	22 28	0 29	21 56	1 10	18 59	0 15	9 34	0 54	4 34	16 49	4 51	5 20	15 40	9 2	0 36
W 3	17 39	0n25	1 14	20 54	0 50	17 52	1 17	21 59	1 1	22 29	0 30	21 56	1 10	18 59	0 15	9 33	0 54	4 35	16 49	4 50	5 18	15 41	9 3	0 36
T 4	17 23	4 21	0 8	20 56	0 36	17 31	1 18	21 52	1 1	22 30	0 30	21 56	1 10	18 59	0 15	9 32	0 54	4 35	16 50	4 49	5 17	15 42	9 5	0 36
F 5	17 7	8 1	0s57	20 57	0 21	17 9	1 19	21 45	1 1	22 31	0 30	21 56	1 10	19 0	0 15	9 32	0 54	4 35	16 50	4 50	5 16	15 43	9 6	0 36
S 6	16 51	11 18	1 58	20 54	0 7	16 48	1 20	21 37	1 2	22 32	0 30	21 57	1 10	19 0	0 15	9 31	0 54	4 36	16 50	4 50	5 15	15 44	9 8	0 37
S 7	16 35	14 4	2 54	20 50	0n 6	16 25	1 21	21 30	1 2	22 33	0 30	21 57	1 10	19 0	0 15	9 30	0 54	4 36	16 51	4 50	5 13	15 45	9 9	0 37
M 8	16 18	16 15	3 42	20 43	0 18	16 3	1 22	21 22	1 2	22 34	0 30	21 57	1 9	19 1	0 15	9 29	0 54	4 36	16 51	4 50	5 12	15 45	9 11	0 37
T 9	16 1	17 45	4 21	20 33	0 30	15 39	1 22	21 14	1 3	22 35	0 30	21 57	1 9	19 1	0 15	9 28	0 54	4 37	16 51	4 48	5 11	15 46	9 12	0 37
W10	15 43	18 28	4 49	20 21	0 41	15 16	1 23	21 6	1 3	22 36	0 30	21 57	1 9	19 1	0 15	9 28	0 54	4 37	16 52	4 46	5 10	15 47	9 14	0 38
T 11	15 26	18 21	5 4	20 5	0 52	14 52	1 24	20 58	1 3	22 37	0 30	21 57	1 9	19 1	0 15	9 27	0 54	4 38	16 52	4 44	5 8	15 48	9 16	0 38
F 12	15 8	17 21	5 5	19 48	1 1	14 27	1 24	20 50	1 4	22 38	0 30	21 57	1 9	19 2	0 15	9 26	0 54	4 38	16 52	4 40	5 7	15 49	9 17	0 38
S 13	14 49	15 28	4 51	19 27	1 9	14 2	1 24	20 42	1 4	22 38	0 30	21 57	1 8	19 2	0 15	9 25	0 54	4 38	16 53	4 37	5 6	15 50	9 19	0 38
S 14	14 31	12 47	4 22	19 4	1 17	13 37	1 25	20 33	1 4	22 39	0 30	21 57	1 8	19 2	0 15	9 24	0 54	4 39	16 53	4 33	5 5	15 51	9 21	0 39
M15	14 12	9 23	3 38	18 38	1 24	13 12	1 25	20 24	1 5	22 40	0 31	21 57	1 8	19 2	0 15	9 24	0 54	4 39	16 53	4 30	5 3	15 52	9 22	0 39
T 16	13 54	5 27	2 41	18 10	1 29	12 46	1 25	20 16	1 5	22 41	0 31	21 57	1 8	19 3	0 15	9 23	0 54	4 40	16 54	4 28	5 2	15 53	9 24	0 39
W17	13 35	1 10	1 34	17 40	1 34	12 19	1 26	20 7	1 5	22 42	0 31	21 57	1 8	19 3	0 15	9 22	0 54	4 40	16 54	4 27	5 1	15 54	9 26	0 39
T 18	13 15	3s14	0 21	17 7	1 38	11 53	1 26	19 57	1 6	22 42	0 31	21 58	1 8	19 3	0 15	9 21	0 54	4 40	16 54	4 26	5 0	15 55	9 28	0 40
F 19	12 56	7 29	0n55	16 33	1 41	11 26	1 26	19 48	1 6	22 43	0 31	21 58	1 7	19 3	0 15	9 20	0 54	4 41	16 54	4 26	4 58	15 56	9 30	0 40
S 20	12 36	11 21	2 7	15 57	1 44	10 58	1 26	19 39	1 6	22 44	0 31	21 58	1 7	19 3	0 15	9 20	0 54	4 41	16 55	4 27	4 57	15 57	9 31	0 40
S 21	12 16	14 34	3 13	15 19	1 45	10 31	1 26	19 29	1 7	22 45	0 31	21 58	1 7	19 3	0 15	9 19	0 54	4 42	16 55	4 27	4 56	15 57	9 33	0 40
M22	11 56	16 54	4 6	14 40	1 46	10 3	1 25	19 20	1 7	22 45	0 31	21 58	1 7	19 3	0 15	9 18	0 54	4 42	16 55	4 27	4 55	15 58	9 35	0 40
T 23	11 36	18 12	4 45	13 59	1 46	9 35	1 25	19 10	1 7	22 46	0 31	21 58	1 7	19 4	0 15	9 17	0 54	4 43	16 56	4 27	4 53	15 59	9 37	0 41
W24	11 15	18 22	5 6	13 17	1 46	9 7	1 25	19 0	1 7	22 46	0 31	21 59	1 6	19 4	0 15	9 16	0 54	4 43	16 56	4 25	4 52	16 0	9 39	0 41
T 25	10 55	17 24	5 9	12 35	1 45	8 38	1 25	18 50	1 8	22 47	0 31	21 59	1 6	19 4	0 15	9 15	0 54	4 43	16 56	4 23	4 51	16 1	9 41	0 41
F 26	10 34	15 24	4 53	11 51	1 43	8 9	1 24	18 40	1 8	22 47	0 31	21 59	1 6	19 4	0 15	9 15	0 54	4 44	16 56	4 21	4 50	16 2	9 43	0 41
S 27	10 13	12 33	4 21	11 7	1 41	7 40	1 24	18 30	1 8	22 48	0 31	21 59	1 6	19 4	0 15	9 14	0 54	4 44	16 57	4 19	4 49	16 3	9 45	0 42
S 28	9 52	9 4	3 34	10 22	1 38	7 11	1 23	18 19	1 9	22 48	0 31	21 59	1 6	19 4	0 15	9 13	0 54	4 45	16 57	4 17	4 47	16 4	9 47	0 42
M29	9 31	5 12	2 37	9 36	1 35	6 41	1 23	18 9	1 9	22 49	0 31	22 0	1 6	19 4	0 15	9 12	0 54	4 45	16 57	4 15	4 46	16 5	9 49	0 42
T 30	9 9	1 10	1 32	8 50	1 31	6 12	1 22	17 58	1 9	22 49	0 31	22 0	1 5	19 4	0 15	9 11	0 54	4 46	16 58	4 14	4 45	16 5	9 52	0 42
W31	8n48	2n50	0n24	8n 4	1n27	5n42	1n21	17n47	1n 9	22s50	0s31	22s 0	1n 5	19n 4	0s15	9n10	0n54	4s46	16s58	4s13	4s44	16n 6	9s54	0n43

Julian Day Number = 2307486.5, Delta T = 81.75 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'08, Lahiri = 18°21'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

SEPTEMBER 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 40 34	8♍25'04	18♈34	14♍42	20♍ 0	14♌33	17°R42	19♐39	26°R 4	8♍43	28°R56	10♎39	11♎53	27♉55	27♎29	T 1
F 2	22 44 31	9°23'18	0♉43	16°30	21°15	15°11	17♏40	19°40	26♉ 4	8°45	28♈55	10°40	11°49	28° 1	27°35	F 2
S 3	22 48 27	10°21'34	12°42	18°17	22°29	15°49	17°38	19°41	26° 4	8°47	28°54	10°41	11°46	28° 8	27°42	S 3
S 4	22 52 24	11°19'52	24°34	20° 3	23°43	16°27	17°36	19°42	26° 4	8°49	28°54	10°43	11°43	28°15	27°49	S 4
M 5	22 56 20	12°18'12	6♊25	21°48	24°58	17° 5	17°34	19°43	26° 4	8°52	28°53	10°44	11°40	28°21	27°56	M 5
T 6	23 0 17	13°16'34	18°19	23°32	26°12	17°43	17°32	19°44	26° 4	8°54	28°52	10°R44	11°37	28°28	28° 3	T 6
W 7	23 4 13	14°14'59	0♋21	25°14	27°26	18°21	17°31	19°45	26° 3	8°56	28°51	10°43	11°34	28°35	28°10	W 7
T 8	23 8 10	15°13'25	12°36	26°56	28°41	18°59	17°30	19°47	26° 3	8°58	28°51	10°41	11°30	28°41	28°17	T 8
F 9	23 12 7	16°11'54	25° 8	28°36	29°55	19°37	17°29	19°48	26° 3	9° 1	28°50	10°38	11°27	28°48	28°24	F 9
S 10	23 16 3	17°10'25	7♌59	0♎15	1♎ 9	20°15	17°28	19°50	26° 2	9° 3	28°49	10°34	11°24	28°55	28°31	S 10
S 11	23 20 0	18° 8'58	21°11	1°53	2°24	20°52	17°28	19°51	26° 2	9° 5	28°48	10°31	11°21	29° 1	28°38	S 11
M12	23 23 56	19° 7'33	4♍45	3°31	3°38	21°30	17°27	19°53	26° 1	9° 7	28°48	10°28	11°18	29° 8	28°45	M12
T 13	23 27 53	20° 6'10	18°37	5° 7	4°53	22° 8	17°D27	19°55	26° 1	9° 9	28°47	10°26	11°14	29°15	28°53	T 13
W14	23 31 49	21° 4'48	2♎45	6°42	6° 7	22°46	17°27	19°57	26° 0	9°12	28°46	10°25	11°11	29°21	29° 0	W14
T 15	23 35 46	22° 3'29	17° 5	8°16	7°21	23°24	17°27	19°59	25°59	9°14	28°45	10°D24	11° 8	29°28	29° 7	T 15
F 16	23 39 42	23° 2'12	1♏31	9°49	8°36	24° 1	17°28	20° 1	25°59	9°16	28°44	10°25	11° 5	29°35	29°15	F 16
S 17	23 43 39	24° 0'56	15°59	11°21	9°50	24°39	17°28	20° 3	25°58	9°18	28°43	10°26	11° 2	29°42	29°22	S 17
S 18	23 47 36	24°59'42	0♐24	12°52	11° 5	25°17	17°29	20° 6	25°57	9°20	28°42	10°28	10°59	29°48	29°30	S 18
M19	23 51 32	25°58'30	14°43	14°23	12°19	25°54	17°30	20° 8	25°56	9°22	28°41	10°28	10°55	29°55	29°37	M19
T 20	23 55 29	26°57'20	28°52	15°52	13°33	26°32	17°31	20°10	25°55	9°25	28°40	10°R29	10°52	0♊ 2	29°45	T 20
W21	23 59 25	27°56'12	12♑51	17°20	14°48	27° 9	17°33	20°13	25°54	9°27	28°39	10°28	10°49	0° 8	29°53	W21
T 22	0 3 22	28°55'05	26°37	18°47	16° 2	27°47	17°34	20°16	25°53	9°29	28°39	10°27	10°46	0°15	0♏ 0	T 22
F 23	0 7 18	29°54'00	10♒10	20°14	17°16	28°24	17°36	20°19	25°52	9°31	28°38	10°26	10°43	0°22	0° 8	F 23
S 24	0 11 15	0♎52'56	23°29	21°39	18°31	29° 2	17°38	20°21	25°51	9°33	28°37	10°25	10°39	0°28	0°16	S 24
S 25	0 15 11	1°51'55	6♓35	23° 3	19°45	29°39	17°40	20°24	25°50	9°35	28°36	10°23	10°36	0°35	0°24	S 25
M26	0 19 8	2°50'55	19°27	24°26	21° 0	0♍17	17°42	20°27	25°49	9°37	28°35	10°23	10°33	0°42	0°32	M26
T 27	0 23 4	3°49'57	2♈ 6	25°48	22°14	0°54	17°45	20°31	25°47	9°39	28°34	10°22	10°30	0°48	0°39	T 27
W28	0 27 1	4°49'02	14°31	27° 9	23°28	1°32	17°47	20°34	25°46	9°41	28°33	10°D22	10°27	0°55	0°47	W28
T 29	0 30 58	5°48'08	26°45	28°29	24°43	2° 9	17°50	20°37	25°45	9°43	28°32	10°22	10°24	1° 2	0°55	T 29
F 30	0 34 54	6♎47'17	8♉48	29♎47	25♎57	2♍47	17♏53	20♐40	25♉43	9♍45	28♈31	10♎23	10♎20	1♊ 8	1♏ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n26	6n38	0s43	7n18	1n22	5n12	1n20	17n37	1n10	22s50	0s32	22s 0	1n 5	19n 4	0s15	9n10	0n54	4s47	16s58	4s13	4s42	16n 7	9s56	0n43
F 2	8 4	10 4	1 48	6 31	1 17	4 42	1 19	17 26	1 10	22 50	0 32	22 0	1 5	19 4	0 15	9 9	0 54	4 47	16 58	4 14	4 41	16 8	9 58	0 43
S 3	7 42	13 2	2 47	5 45	1 12	4 11	1 18	17 15	1 10	22 51	0 32	22 1	1 5	19 4	0 15	9 8	0 54	4 48	16 59	4 14	4 40	16 9	10 0	0 43
S 4	7 20	15 25	3 38	4 58	1 7	3 41	1 17	17 4	1 11	22 51	0 32	22 1	1 4	19 4	0 15	9 7	0 54	4 48	16 59	4 15	4 39	16 10	10 2	0 44
M 5	6 58	17 9	4 20	4 11	1 1	3 11	1 16	16 52	1 11	22 51	0 32	22 1	1 4	19 4	0 15	9 6	0 54	4 48	16 59	4 15	4 37	16 11	10 5	0 44
T 6	6 35	18 9	4 51	3 25	0 55	2 40	1 15	16 41	1 11	22 52	0 32	22 1	1 4	19 4	0 15	9 6	0 55	4 49	16 59	4 15	4 36	16 11	10 7	0 44
W 7	6 13	18 20	5 9	2 39	0 49	2 9	1 14	16 29	1 11	22 52	0 32	22 2	1 4	19 4	0 15	9 5	0 55	4 49	17 0	4 15	4 35	16 12	10 9	0 44
T 8	5 50	17 41	5 14	1 52	0 42	1 38	1 13	16 18	1 12	22 52	0 32	22 2	1 4	19 4	0 15	9 4	0 55	4 50	17 0	4 14	4 34	16 13	10 11	0 45
F 9	5 27	16 10	5 4	1 6	0 36	1 8	1 12	16 6	1 12	22 52	0 32	22 2	1 4	19 4	0 15	9 3	0 55	4 50	17 0	4 13	4 32	16 14	10 14	0 45
S 10	5 5	13 49	4 39	0 21	0 29	0 37	1 10	15 54	1 12	22 52	0 32	22 3	1 3	19 4	0 15	9 2	0 55	4 51	17 0	4 12	4 31	16 15	10 16	0 45
S 11	4 42	10 41	3 59	0s25	0 22	0 6	1 9	15 43	1 12	22 52	0 32	22 3	1 3	19 3	0 15	9 1	0 55	4 51	17 1	4 10	4 30	16 16	10 18	0 45
M12	4 19	6 56	3 4	1 10	0 15	0s25	1 7	15 31	1 13	22 52	0 32	22 3	1 3	19 3	0 15	9 1	0 55	4 52	17 1	4 9	4 29	16 17	10 21	0 46
T 13	3 56	2 43	1 57	1 55	0 8	0 56	1 6	15 19	1 13	22 53	0 32	22 4	1 3	19 3	0 15	9 0	0 55	4 52	17 1	4 8	4 27	16 17	10 23	0 46
W14	3 33	1s45	0 42	2 39	0 1	1 27	1 4	15 7	1 13	22 53	0 32	22 4	1 3	19 3	0 15	8 59	0 55	4 53	17 1	4 8	4 26	16 18	10 25	0 46
T 15	3 9	6 9	0n37	3 23	0s 7	1 58	1 3	14 54	1 13	22 53	0 32	22 4	1 3	19 3	0 15	8 58	0 55	4 53	17 1	4 8	4 25	16 19	10 28	0 46
F 16	2 46	10 15	1 54	4 7	0 14	2 29	1 1	14 42	1 14	22 53	0 32	22 5	1 2	19 3	0 15	8 57	0 55	4 54	17 2	4 8	4 24	16 20	10 30	0 47
S 17	2 23	13 43	3 4	4 50	0 21	3 0	0 59	14 30	1 14	22 52	0 32	22 5	1 2	19 2	0 15	8 57	0 55	4 54	17 2	4 8	4 22	16 21	10 33	0 47
S 18	2 0	16 19	4 3	5 32	0 29	3 31	0 57	14 17	1 14	22 52	0 32	22 5	1 2	19 2	0 15	8 56	0 55	4 55	17 2	4 9	4 21	16 22	10 35	0 47
M19	1 36	17 53	4 45	6 14	0 36	4 2	0 55	14 5	1 14	22 52	0 32	22 6	1 2	19 2	0 15	8 55	0 55	4 55	17 2	4 9	4 20	16 22	10 38	0 47
T 20	1 13	18 19	5 10	6 56	0 44	4 32	0 54	13 52	1 15	22 52	0 32	22 6	1 2	19 2	0 15	8 54	0 55	4 56	17 2	4 9	4 19	16 23	10 40	0 47
W21	0 49	17 37	5 16	7 37	0 51	5 3	0 52	13 39	1 15	22 52	0 32	22 6	1 2	19 2	0 15	8 53	0 55	4 56	17 2	4 9	4 17	16 24	10 42	0 48
T 22	0 26	15 54	5 4	8 17	0 59	5 33	0 50	13 27	1 15	22 52	0 32	22 7	1 1	19 1	0 15	8 53	0 55	4 57	17 3	4 9	4 16	16 25	10 45	0 48
F 23	0 2	13 19	4 35	8 56	1 6	6 4	0 48	13 14	1 15	22 52	0 32	22 7	1 1	19 1	0 15	8 52	0 55	4 57	17 3	4 8	4 15	16 26	10 47	0 48
S 24	0s21	10 4	3 52	9 35	1 14	6 34	0 46	13 1	1 16	22 51	0 32	22 7	1 1	19 1	0 15	8 51	0 55	4 58	17 3	4 8	4 14	16 26	10 50	0 48
S 25	0 45	6 23	2 57	10 14	1 21	7 4	0 43	12 48	1 16	22 51	0 32	22 8	1 1	19 1	0 15	8 50	0 55	4 58	17 3	4 7	4 12	16 27	10 52	0 49
M26	1 8	2 27	1 54	10 51	1 28	7 34	0 41	12 35	1 16	22 51	0 32	22 8	1 1	19 0	0 15	8 49	0 55	4 58	17 3	4 7	4 11	16 28	10 55	0 49
T 27	1 32	1n32	0 46	11 28	1 35	8 4	0 39	12 22	1 16	22 50	0 32	22 9	1 1	19 0	0 15	8 49	0 55	4 59	17 3	4 7	4 10	16 29	10 57	0 49
W28	1 55	5 23	0s23	12 4	1 43	8 34	0 37	12 9	1 17	22 50	0 32	22 9	1 0	19 0	0 15	8 48	0 55	4 59	17 3	4 7	4 9	16 30	11 0	0 49
T 29	2 19	8 56	1 30	12 40	1 50	9 3	0 34	11 55	1 17	22 50	0 32	22 9	1 0	18 59	0 15	8 47	0 55	5 0	17 4	4 7	4 7	16 30	11 2	0 50
F 30	2s42	12n 4	2s31	13s14	1s56	9s33	0n32	11n42	1n17	22s49	0s32	22s10	1n 0	18n59	0s15	8n46	0n55	5s 0	17s 4	4s 7	4s 6	16n31	11s 5	0n50

Julian Day Number = 2307517.5, Delta T = 81.65 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'12, Lahiri = 18°21'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

OCTOBER 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 38 51	7♎46'28	20♉44	1♏ 4	27♎11	3♍24	17♑57	20♐44	25°R42	9♍48	28°R29	10♎23	10♎17	1♊15	1♏11	S 1
S 2	0 42 47	8°45'41	2♊36	2°20	28°26	4° 1	18° 0	20°47	25♉41	9°50	28♈28	10°23	10°14	1°22	1°19	S 2
M 3	0 46 44	9°44'56	14°26	3°34	29°40	4°39	18° 4	20°51	25°39	9°52	28°27	10°24	10°11	1°29	1°27	M 3
T 4	0 50 40	10°44'14	26°19	4°47	0♏54	5°16	18° 8	20°55	25°38	9°53	28°26	10°R24	10° 8	1°35	1°36	T 4
W 5	0 54 37	11°43'34	8♋20	5°58	2° 9	5°53	18°12	20°59	25°36	9°55	28°25	10°D24	10° 5	1°42	1°44	W 5
T 6	0 58 33	12°42'57	20°33	7° 8	3°23	6°30	18°16	21° 2	25°34	9°57	28°24	10°24	10° 1	1°49	1°52	T 6
F 7	1 2 30	13°42'22	3♌ 2	8°15	4°37	7° 8	18°20	21° 6	25°33	9°59	28°23	10°24	9°58	1°55	2° 0	F 7
S 8	1 6 27	14°41'49	15°52	9°20	5°52	7°45	18°25	21°10	25°31	10° 1	28°22	10°24	9°55	2° 2	2° 8	S 8
S 9	1 10 23	15°41'18	29° 5	10°23	7° 6	8°22	18°29	21°14	25°29	10° 3	28°21	10°25	9°52	2° 9	2°16	S 9
M10	1 14 20	16°40'50	12♍44	11°24	8°20	8°59	18°34	21°19	25°27	10° 5	28°20	10°25	9°49	2°15	2°25	M10
T 11	1 18 16	17°40'24	26°47	12°22	9°34	9°36	18°39	21°23	25°26	10° 7	28°19	10°26	9°45	2°22	2°33	T 11
W12	1 22 13	18°40'00	11♎12	13°16	10°49	10°14	18°45	21°27	25°24	10° 9	28°18	10°R26	9°42	2°29	2°41	W12
T 13	1 26 9	19°39'38	25°55	14° 8	12° 3	10°51	18°50	21°32	25°22	10°11	28°16	10°25	9°39	2°35	2°50	T 13
F 14	1 30 6	20°39'18	10♏47	14°56	13°17	11°28	18°56	21°36	25°20	10°12	28°15	10°25	9°36	2°42	2°58	F 14
S 15	1 34 2	21°39'00	25°42	15°39	14°32	12° 5	19° 1	21°41	25°18	10°14	28°14	10°23	9°33	2°49	3° 6	S 15
S 16	1 37 59	22°38'44	10♐32	16°19	15°46	12°42	19° 7	21°45	25°16	10°16	28°13	10°22	9°30	2°56	3°15	S 16
M17	1 41 56	23°38'30	25° 8	16°53	17° 0	13°19	19°13	21°50	25°14	10°18	28°12	10°21	9°26	3° 2	3°23	M17
T 18	1 45 52	24°38'17	9♑28	17°22	18°15	13°56	19°20	21°55	25°12	10°19	28°11	10°20	9°23	3° 9	3°31	T 18
W19	1 49 49	25°38'06	23°28	17°45	19°29	14°33	19°26	22° 0	25°10	10°21	28°10	10°D19	9°20	3°16	3°40	W19
T 20	1 53 45	26°37'57	7♒ 7	18° 2	20°43	15°10	19°32	22° 5	25° 8	10°23	28° 8	10°19	9°17	3°22	3°48	T 20
F 21	1 57 42	27°37'49	20°26	18°11	21°57	15°47	19°39	22°10	25° 6	10°24	28° 7	10°20	9°14	3°29	3°57	F 21
S 22	2 1 38	28°37'43	3♓27	18°R13	23°12	16°23	19°46	22°15	25° 4	10°26	28° 6	10°22	9°10	3°36	4° 5	S 22
S 23	2 5 35	29°37'39	16°12	18° 6	24°26	17° 0	19°53	22°20	25° 1	10°28	28° 5	10°23	9° 7	3°42	4°13	S 23
M24	2 9 31	0♏37'37	28°44	17°50	25°40	17°37	20° 0	22°25	24°59	10°29	28° 4	10°24	9° 4	3°49	4°22	M24
T 25	2 13 28	1°37'36	11♈ 4	17°25	26°54	18°14	20° 8	22°30	24°57	10°31	28° 3	10°R25	9° 1	3°56	4°30	T 25
W26	2 17 24	2°37'37	23°15	16°51	28° 8	18°51	20°15	22°35	24°55	10°32	28° 2	10°24	8°58	4° 3	4°39	W26
T 27	2 21 21	3°37'40	5♉19	16° 8	29°23	19°27	20°23	22°41	24°52	10°34	28° 1	10°22	8°55	4° 9	4°47	T 27
F 28	2 25 18	4°37'45	17°16	15°15	0♐37	20° 4	20°31	22°46	24°50	10°35	27°59	10°19	8°51	4°16	4°55	F 28
S 29	2 29 14	5°37'52	29° 9	14°14	1°51	20°41	20°38	22°52	24°48	10°37	27°58	10°15	8°48	4°23	5° 4	S 29
S 30	2 33 11	6°38'00	11♊ 0	13° 5	3° 5	21°17	20°47	22°57	24°45	10°38	27°57	10°10	8°45	4°29	5°12	S 30
M31	2 37 7	7♏38'11	22♊51	11♏51	4♐19	21♍54	20♑55	23♐ 3	24♉43	10♍40	27♈56	10♎ 6	8♎42	4♊36	5♏21	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s 5	14n40	3s26	13s47	2s 3	10s 2	0n30	11n29	1n17	22s49	0s32	22s10	1n 0	18n59	0s15	8n46	0n55	5s 1	17s 4	4s 7	4s 5	16n32	11s 8	0n50
S 2	3 29	16 37	4 11	14 20	2 10	10 31	0 27	11 15	1 17	22 48	0 32	22 11	1 0	18 58	0 15	8 45	0 55	5 1	17 4	4 7	4 4	16 33	11 10	0 50
M 3	3 52	17 51	4 46	14 52	2 16	10 59	0 25	11 2	1 18	22 48	0 32	22 11	1 0	18 58	0 15	8 44	0 55	5 2	17 4	4 7	4 2	16 34	11 13	0 51
T 4	4 16	18 18	5 8	15 22	2 22	11 28	0 23	10 48	1 18	22 48	0 32	22 11	0 59	18 58	0 15	8 43	0 55	5 2	17 4	4 7	4 1	16 34	11 15	0 51
W 5	4 39	17 57	5 17	15 52	2 28	11 56	0 20	10 35	1 18	22 47	0 32	22 12	0 59	18 57	0 15	8 43	0 55	5 3	17 4	4 7	4 0	16 35	11 18	0 51
T 6	5 2	16 46	5 13	16 20	2 34	12 24	0 18	10 21	1 18	22 46	0 32	22 12	0 59	18 57	0 15	8 42	0 55	5 3	17 4	4 7	3 59	16 36	11 20	0 52
F 7	5 25	14 46	4 53	16 47	2 39	12 51	0 15	10 8	1 18	22 46	0 32	22 13	0 59	18 56	0 15	8 41	0 55	5 3	17 4	4 7	3 57	16 37	11 23	0 52
S 8	5 48	11 59	4 19	17 13	2 44	13 18	0 12	9 54	1 19	22 45	0 32	22 13	0 59	18 56	0 15	8 41	0 55	5 4	17 4	4 8	3 56	16 38	11 26	0 52
S 9	6 11	8 32	3 30	17 38	2 49	13 45	0 10	9 40	1 19	22 45	0 32	22 13	0 59	18 56	0 15	8 40	0 55	5 4	17 5	4 8	3 55	16 38	11 28	0 52
M10	6 34	4 31	2 28	18 1	2 53	14 12	0 7	9 26	1 19	22 44	0 32	22 14	0 58	18 55	0 15	8 39	0 55	5 5	17 5	4 8	3 54	16 39	11 31	0 53
T 11	6 57	0 8	1 15	18 23	2 57	14 38	0 5	9 12	1 19	22 43	0 32	22 14	0 58	18 55	0 15	8 39	0 55	5 5	17 5	4 8	3 52	16 40	11 33	0 53
W12	7 20	4s22	0n 4	18 43	3 0	15 4	0 2	8 59	1 19	22 43	0 32	22 15	0 58	18 54	0 15	8 38	0 55	5 6	17 5	4 8	3 51	16 41	11 36	0 53
T 13	7 42	8 43	1 25	19 1	3 3	15 30	0s 1	8 45	1 20	22 42	0 32	22 15	0 58	18 54	0 15	8 37	0 55	5 6	17 5	4 8	3 50	16 41	11 39	0 53
F 14	8 5	12 33	2 41	19 18	3 5	15 55	0 3	8 31	1 20	22 41	0 32	22 16	0 58	18 53	0 15	8 37	0 55	5 6	17 5	4 8	3 49	16 42	11 41	0 54
S 15	8 27	15 34	3 45	19 32	3 7	16 20	0 6	8 17	1 20	22 40	0 32	22 16	0 58	18 53	0 15	8 36	0 55	5 7	17 5	4 7	3 47	16 43	11 44	0 54
S 16	8 50	17 32	4 35	19 45	3 8	16 44	0 9	8 3	1 20	22 39	0 32	22 16	0 58	18 52	0 15	8 35	0 55	5 7	17 5	4 7	3 46	16 44	11 46	0 54
M17	9 12	18 19	5 6	19 55	3 8	17 8	0 11	7 49	1 20	22 39	0 32	22 17	0 57	18 52	0 15	8 35	0 55	5 8	17 5	4 6	3 45	16 44	11 49	0 54
T 18	9 34	17 53	5 16	20 2	3 7	17 31	0 14	7 34	1 21	22 38	0 32	22 17	0 57	18 52	0 15	8 34	0 55	5 8	17 5	4 6	3 44	16 45	11 52	0 55
W19	9 56	16 23	5 8	20 7	3 5	17 54	0 17	7 20	1 21	22 37	0 32	22 18	0 57	18 51	0 15	8 33	0 55	5 8	17 5	4 6	3 42	16 46	11 54	0 55
T 20	10 17	13 58	4 43	20 9	3 2	18 17	0 20	7 6	1 21	22 36	0 32	22 18	0 57	18 51	0 15	8 33	0 55	5 9	17 5	4 6	3 41	16 47	11 57	0 55
F 21	10 39	10 52	4 2	20 7	2 58	18 39	0 22	6 52	1 21	22 35	0 33	22 19	0 57	18 50	0 15	8 32	0 56	5 9	17 5	4 6	3 40	16 47	11 59	0 55
S 22	11 1	7 18	3 10	20 3	2 52	19 1	0 25	6 38	1 21	22 34	0 33	22 19	0 57	18 49	0 15	8 32	0 56	5 10	17 5	4 7	3 39	16 48	12 2	0 56
S 23	11 22	3 28	2 10	19 54	2 45	19 22	0 28	6 24	1 22	22 33	0 33	22 19	0 57	18 49	0 15	8 31	0 56	5 10	17 5	4 7	3 37	16 49	12 4	0 56
M24	11 43	0n28	1 4	19 42	2 37	19 42	0 30	6 9	1 22	22 32	0 33	22 20	0 56	18 48	0 15	8 30	0 56	5 10	17 5	4 8	3 36	16 49	12 7	0 56
T 25	12 4	4 20	0s 4	19 25	2 27	20 2	0 33	5 55	1 22	22 31	0 33	22 20	0 56	18 48	0 15	8 30	0 56	5 11	17 5	4 8	3 35	16 50	12 10	0 57
W26	12 25	7 58	1 10	19 4	2 15	20 22	0 36	5 41	1 22	22 30	0 33	22 21	0 56	18 47	0 15	8 29	0 56	5 11	17 5	4 8	3 34	16 51	12 12	0 57
T 27	12 45	11 14	2 13	18 38	2 2	20 41	0 38	5 27	1 22	22 29	0 33	22 21	0 56	18 47	0 15	8 29	0 56	5 11	17 5	4 7	3 32	16 52	12 15	0 57
F 28	13 5	14 0	3 9	18 8	1 46	20 59	0 41	5 12	1 22	22 27	0 33	22 22	0 56	18 46	0 15	8 28	0 56	5 12	17 5	4 6	3 31	16 52	12 17	0 57
S 29	13 26	16 10	3 57	17 34	1 29	21 17	0 44	4 58	1 23	22 26	0 33	22 22	0 56	18 46	0 15	8 28	0 56	5 12	17 5	4 4	3 30	16 53	12 20	0 58
S 30	13 45	17 37	4 34	16 56	1 11	21 35	0 46	4 44	1 23	22 25	0 33	22 22	0 56	18 45	0 15	8 27	0 56	5 12	17 5	4 2	3 29	16 54	12 22	0 58
M31	14s 5	18n19	4s59	16s14	0s52	21s51	0s49	4n29	1n23	22s24	0s33	22s23	0n55	18n45	0s15	8n27	0n56	5s13	17s 4	4s 0	3s27	16n54	12s25	0n58

Julian Day Number = 2307547.5, Delta T = 81.55 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'17, Lahiri = 18°21'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

NOVEMBER 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 4	8♏38'24	4♋44	10°R33	5♐33	22♍31	21♑ 3	23♐ 8	24°R41	10♍41	27°R55	10°R 1	8♎39	4♊43	5♏29	T 1
W 2	2 45 0	9°38'39	16°44	9♏14	6°47	23° 7	21°12	23°14	24♉38	10°42	27♈54	9♎58	8°36	4°49	5°38	W 2
T 3	2 48 57	10°38'56	28°54	7°55	8° 2	23°44	21°20	23°20	24°36	10°44	27°53	9°56	8°32	4°56	5°46	T 3
F 4	2 52 53	11°39'14	11♌18	6°41	9°16	24°20	21°29	23°26	24°33	10°45	27°52	9°D55	8°29	5° 3	5°54	F 4
S 5	2 56 50	12°39'35	24° 2	5°32	10°30	24°57	21°38	23°31	24°31	10°46	27°51	9°55	8°26	5°10	6° 3	S 5
S 6	3 0 47	13°39'58	7♍ 8	4°32	11°44	25°33	21°47	23°37	24°29	10°47	27°49	9°57	8°23	5°16	6°11	S 6
M 7	3 4 43	14°40'23	20°40	3°42	12°58	26°10	21°56	23°43	24°26	10°49	27°48	9°58	8°20	5°23	6°19	M 7
T 8	3 8 40	15°40'49	4♎40	3° 2	14°12	26°46	22° 5	23°49	24°24	10°50	27°47	9°R59	8°16	5°30	6°28	T 8
W 9	3 12 36	16°41'18	19° 7	2°34	15°26	27°22	22°15	23°55	24°21	10°51	27°46	9°59	8°13	5°36	6°36	W 9
T 10	3 16 33	17°41'48	3♏58	2°17	16°40	27°59	22°24	24° 2	24°19	10°52	27°45	9°57	8°10	5°43	6°44	T 10
F 11	3 20 29	18°42'20	19° 6	2°D12	17°54	28°35	22°34	24° 8	24°16	10°53	27°44	9°53	8° 7	5°50	6°53	F 11
S 12	3 24 26	19°42'54	4♐21	2°19	19° 8	29°11	22°44	24°14	24°14	10°54	27°43	9°48	8° 4	5°56	7° 1	S 12
S 13	3 28 22	20°43'29	19°33	2°35	20°22	29°47	22°54	24°20	24°11	10°55	27°42	9°42	8° 1	6° 3	7° 9	S 13
M14	3 32 19	21°44'05	4♑31	3° 1	21°36	0♎24	23° 4	24°26	24° 9	10°56	27°41	9°35	7°57	6°10	7°18	M14
T 15	3 36 16	22°44'43	19° 9	3°36	22°50	1° 0	23°14	24°33	24° 6	10°57	27°40	9°30	7°54	6°17	7°26	T 15
W16	3 40 12	23°45'22	3♒20	4°18	24° 4	1°36	23°24	24°39	24° 4	10°58	27°39	9°26	7°51	6°23	7°34	W16
T 17	3 44 9	24°46'02	17° 3	5° 8	25°18	2°12	23°34	24°45	24° 1	10°59	27°38	9°24	7°48	6°30	7°42	T 17
F 18	3 48 5	25°46'44	0♓20	6° 3	26°32	2°48	23°45	24°52	23°58	11° 0	27°37	9°D24	7°45	6°37	7°50	F 18
S 19	3 52 2	26°47'26	13°14	7° 4	27°46	3°24	23°55	24°58	23°56	11° 1	27°36	9°25	7°42	6°43	7°59	S 19
S 20	3 55 58	27°48'09	25°49	8° 9	29° 0	4° 0	24° 6	25° 5	23°53	11° 2	27°35	9°26	7°38	6°50	8° 7	S 20
M21	3 59 55	28°48'54	8♈ 8	9°19	0♑14	4°36	24°17	25°11	23°51	11° 2	27°34	9°R27	7°35	6°57	8°15	M21
T 22	4 3 51	29°49'39	20°15	10°31	1°28	5°12	24°28	25°18	23°48	11° 3	27°33	9°26	7°32	7° 3	8°23	T 22
W23	4 7 48	0♐50'26	2♉15	11°47	2°41	5°48	24°39	25°25	23°46	11° 4	27°32	9°23	7°29	7°10	8°31	W23
T 24	4 11 45	1°51'14	14°10	13° 5	3°55	6°24	24°50	25°31	23°43	11° 5	27°31	9°18	7°26	7°17	8°39	T 24
F 25	4 15 41	2°52'03	26° 2	14°26	5° 9	6°59	25° 1	25°38	23°41	11° 5	27°30	9°10	7°22	7°24	8°47	F 25
S 26	4 19 38	3°52'53	7♊53	15°48	6°23	7°35	25°12	25°45	23°38	11° 6	27°30	9° 0	7°19	7°30	8°55	S 26
S 27	4 23 34	4°53'44	19°45	17°12	7°37	8°11	25°24	25°51	23°36	11° 6	27°29	8°49	7°16	7°37	9° 3	S 27
M28	4 27 31	5°54'37	1♋39	18°37	8°50	8°46	25°35	25°58	23°34	11° 7	27°28	8°38	7°13	7°44	9°10	M28
T 29	4 31 27	6°55'30	13°37	20° 3	10° 4	9°22	25°47	26° 5	23°31	11° 7	27°27	8°27	7°10	7°50	9°18	T 29
W30	4 35 24	7♐56'25	25♋41	21♏30	11♑18	9♎58	25♑58	26♐12	23♉29	11♍ 8	27♈26	8♎17	7♎ 7	7♊57	9♏26	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s25	18n13	5s12	15s31	0s31	22s 7	0s52	4n15	1n23	22s22	0s33	22s23	0n55	18n44	0s15	8n26	0n56	5s13	17s 4	3s59	3s26	16n55	12s27	0n59
W 2	14 44	17 18	5 11	14 46	0 11	22 23	0 54	4 1	1 23	22 21	0 33	22 24	0 55	18 43	0 15	8 26	0 56	5 13	17 4	3 57	3 25	16 56	12 30	0 59
T 3	15 3	15 35	4 56	14 1	0n10	22 37	0 57	3 46	1 23	22 20	0 33	22 24	0 55	18 43	0 15	8 25	0 56	5 13	17 4	3 56	3 24	16 57	12 32	0 59
F 4	15 22	13 8	4 27	13 18	0 30	22 52	0 59	3 32	1 23	22 18	0 33	22 25	0 55	18 42	0 15	8 25	0 56	5 14	17 4	3 56	3 22	16 57	12 35	0 59
S 5	15 40	10 0	3 45	12 37	0 49	23 5	1 2	3 18	1 24	22 17	0 33	22 25	0 55	18 42	0 15	8 24	0 56	5 14	17 4	3 56	3 21	16 58	12 37	1 0
S 6	15 58	6 17	2 50	12 0	1 7	23 18	1 4	3 3	1 24	22 16	0 33	22 25	0 55	18 41	0 15	8 24	0 56	5 14	17 4	3 57	3 20	16 59	12 40	1 0
M 7	16 16	2 7	1 44	11 28	1 23	23 30	1 7	2 49	1 24	22 14	0 33	22 26	0 55	18 40	0 15	8 24	0 56	5 15	17 4	3 57	3 19	16 59	12 42	1 0
T 8	16 34	2s18	0 29	11 1	1 37	23 42	1 9	2 34	1 24	22 13	0 33	22 26	0 54	18 40	0 15	8 23	0 56	5 15	17 4	3 58	3 17	17 0	12 45	1 1
W 9	16 51	6 44	0n50	10 40	1 50	23 52	1 11	2 20	1 24	22 11	0 33	22 27	0 54	18 39	0 15	8 23	0 56	5 15	17 4	3 58	3 16	17 1	12 47	1 1
T 10	17 9	10 53	2 7	10 25	2 0	24 3	1 14	2 6	1 24	22 10	0 33	22 27	0 54	18 39	0 15	8 22	0 56	5 15	17 3	3 57	3 15	17 1	12 50	1 1
F 11	17 25	14 23	3 17	10 15	2 9	24 12	1 16	1 51	1 24	22 8	0 33	22 27	0 54	18 38	0 15	8 22	0 56	5 16	17 3	3 56	3 14	17 2	12 52	1 2
S 12	17 42	16 55	4 13	10 11	2 15	24 21	1 18	1 37	1 25	22 6	0 33	22 28	0 54	18 37	0 15	8 22	0 56	5 16	17 3	3 53	3 12	17 3	12 55	1 2
S 13	17 58	18 15	4 51	10 12	2 20	24 29	1 21	1 23	1 25	22 5	0 33	22 28	0 54	18 37	0 15	8 21	0 56	5 16	17 3	3 51	3 11	17 3	12 57	1 2
M14	18 14	18 17	5 8	10 18	2 24	24 36	1 23	1 8	1 25	22 3	0 33	22 28	0 54	18 36	0 15	8 21	0 56	5 16	17 3	3 48	3 10	17 4	12 59	1 2
T 15	18 30	17 5	5 5	10 28	2 26	24 42	1 25	0 54	1 25	22 1	0 33	22 29	0 54	18 36	0 15	8 21	0 56	5 16	17 3	3 46	3 9	17 5	13 2	1 3
W16	18 45	14 51	4 43	10 41	2 26	24 48	1 27	0 40	1 25	22 0	0 33	22 29	0 54	18 35	0 15	8 20	0 56	5 17	17 2	3 45	3 7	17 5	13 4	1 3
T 17	19 0	11 51	4 5	10 58	2 26	24 53	1 29	0 26	1 25	21 58	0 33	22 30	0 53	18 34	0 15	8 20	0 57	5 17	17 2	3 44	3 6	17 6	13 7	1 3
F 18	19 15	8 19	3 15	11 18	2 24	24 57	1 31	0 11	1 25	21 56	0 33	22 30	0 53	18 34	0 15	8 20	0 57	5 17	17 2	3 44	3 5	17 7	13 9	1 4
S 19	19 29	4 30	2 17	11 40	2 21	25 1	1 33	0s 3	1 25	21 54	0 33	22 30	0 53	18 33	0 15	8 19	0 57	5 17	17 2	3 44	3 3	17 7	13 11	1 4
S 20	19 43	0 33	1 13	12 4	2 18	25 4	1 35	0 17	1 26	21 52	0 33	22 31	0 53	18 33	0 15	8 19	0 57	5 17	17 2	3 45	3 2	17 8	13 14	1 4
M21	19 56	3n20	0 7	12 30	2 14	25 6	1 36	0 31	1 26	21 51	0 33	22 31	0 53	18 32	0 15	8 19	0 57	5 17	17 2	3 45	3 1	17 9	13 16	1 5
T 22	20 9	7 2	0s58	12 57	2 10	25 7	1 38	0 45	1 26	21 49	0 33	22 31	0 53	18 31	0 15	8 19	0 57	5 17	17 1	3 45	3 0	17 9	13 18	1 5
W23	20 22	10 24	2 0	13 25	2 5	25 8	1 40	1 0	1 26	21 47	0 33	22 32	0 53	18 31	0 15	8 18	0 57	5 18	17 1	3 44	2 58	17 10	13 20	1 5
T 24	20 34	13 20	2 55	13 54	1 59	25 7	1 42	1 14	1 26	21 45	0 33	22 32	0 53	18 30	0 15	8 18	0 57	5 18	17 1	3 42	2 57	17 11	13 23	1 6
F 25	20 46	15 41	3 43	14 24	1 53	25 6	1 43	1 28	1 26	21 43	0 33	22 32	0 53	18 29	0 15	8 18	0 57	5 18	17 1	3 39	2 56	17 11	13 25	1 6
S 26	20 58	17 22	4 21	14 54	1 47	25 5	1 45	1 42	1 26	21 41	0 33	22 33	0 53	18 29	0 15	8 18	0 57	5 18	17 0	3 35	2 55	17 12	13 27	1 6
S 27	21 9	18 19	4 48	15 24	1 41	25 2	1 46	1 56	1 26	21 39	0 33	22 33	0 52	18 28	0 15	8 18	0 57	5 18	17 0	3 30	2 53	17 13	13 29	1 7
M28	21 20	18 27	5 2	15 54	1 34	24 59	1 47	2 10	1 26	21 37	0 33	22 33	0 52	18 28	0 15	8 17	0 57	5 18	17 0	3 26	2 52	17 13	13 31	1 7
T 29	21 31	17 46	5 3	16 24	1 27	24 55	1 49	2 24	1 27	21 34	0 33	22 34	0 52	18 27	0 15	8 17	0 57	5 18	17 0	3 21	2 51	17 14	13 34	1 7
W30	21s41	16n17	4s50	16s53	1n20	24s50	1s50	2s38	1n27	21s32	0s33	22s34	0n52	18n26	0s15	8n17	0n57	5s18	17s 0	3s18	2s50	17n14	13s36	1n 8

Julian Day Number = 2307578.5, Delta T = 81.45 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'21, Lahiri = 18°21'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1605
geocentric

DECEMBER 1605 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 39 20	8♐57'21	7♌53	22♏58	12♑31	10♎33	26♑10	26♐19	23°R26	11♍ 8	27°R25	8°R10	7♎ 3	8♊ 4	9♏34	T 1
F 2	4 43 17	9°58'19	20°16	24°27	13°45	11° 9	26°22	26°25	23♉24	11° 9	27♈24	8♎ 6	7° 0	8°11	9°41	F 2
S 3	4 47 14	10°59'17	2♍55	25°56	14°58	11°44	26°34	26°32	23°22	11° 9	27°24	8° 4	6°57	8°17	9°49	S 3
S 4	4 51 10	12° 0'17	15°53	27°26	16°12	12°20	26°46	26°39	23°19	11° 9	27°23	8°D 3	6°54	8°24	9°57	S 4
M 5	4 55 7	13° 1'18	29°14	28°56	17°25	12°55	26°58	26°46	23°17	11°10	27°22	8° 4	6°51	8°31	10° 4	M 5
T 6	4 59 3	14° 2'20	13♎ 2	0♐27	18°39	13°30	27°10	26°53	23°15	11°10	27°21	8°R 4	6°48	8°37	10°12	T 6
W 7	5 3 0	15° 3'23	27°18	1°57	19°52	14° 6	27°22	27° 0	23°12	11°10	27°21	8° 2	6°44	8°44	10°19	W 7
T 8	5 6 56	16° 4'27	12♏ 0	3°29	21° 6	14°41	27°35	27° 7	23°10	11°10	27°20	7°58	6°41	8°51	10°27	T 8
F 9	5 10 53	17° 5'33	27° 4	5° 0	22°19	15°16	27°47	27°14	23° 8	11°11	27°19	7°52	6°38	8°57	10°34	F 9
S 10	5 14 49	18° 6'39	12♐21	6°32	23°32	15°51	28° 0	27°21	23° 5	11°11	27°19	7°43	6°35	9° 4	10°41	S 10
S 11	5 18 46	19° 7'46	27°41	8° 4	24°46	16°26	28°12	27°28	23° 3	11°11	27°18	7°32	6°32	9°11	10°49	S 11
M12	5 22 43	20° 8'53	12♑52	9°36	25°59	17° 1	28°25	27°35	23° 1	11°11	27°17	7°21	6°28	9°18	10°56	M12
T 13	5 26 39	21°10'01	27°43	11° 8	27°12	17°36	28°37	27°42	22°59	11°R11	27°17	7°11	6°25	9°24	11° 3	T 13
W14	5 30 36	22°11'09	12♒ 8	12°41	28°25	18°11	28°50	27°49	22°57	11°11	27°16	7° 3	6°22	9°31	11°10	W14
T 15	5 34 32	23°12'18	26° 2	14°14	29°39	18°46	29° 3	27°56	22°55	11°11	27°16	6°58	6°19	9°38	11°17	T 15
F 16	5 38 29	24°13'26	9♓26	15°46	0♒52	19°21	29°16	28° 3	22°53	11°11	27°15	6°55	6°16	9°44	11°24	F 16
S 17	5 42 25	25°14'35	22°23	17°20	2° 5	19°55	29°29	28°10	22°51	11°11	27°14	6°D54	6°13	9°51	11°31	S 17
S 18	5 46 22	26°15'44	4♈57	18°53	3°18	20°30	29°42	28°17	22°49	11°11	27°14	6°R54	6° 9	9°58	11°38	S 18
M19	5 50 19	27°16'53	17°12	20°26	4°31	21° 5	29°55	28°24	22°47	11°10	27°13	6°54	6° 6	10° 5	11°45	M19
T 20	5 54 15	28°18'02	29°15	22° 0	5°44	21°39	0♒ 8	28°31	22°45	11°10	27°13	6°52	6° 3	10°11	11°51	T 20
W21	5 58 12	29°19'11	11♉ 9	23°34	6°56	22°14	0°21	28°38	22°43	11°10	27°13	6°48	6° 0	10°18	11°58	W21
T 22	6 2 8	0♑20'20	23° 0	25° 8	8° 9	22°48	0°35	28°45	22°41	11°10	27°12	6°40	5°57	10°25	12° 5	T 22
F 23	6 6 5	1°21'30	4♊50	26°43	9°22	23°22	0°48	28°52	22°39	11° 9	27°12	6°30	5°54	10°31	12°11	F 23
S 24	6 10 1	2°22'39	16°42	28°18	10°35	23°57	1° 1	29° 0	22°37	11° 9	27°11	6°17	5°50	10°38	12°18	S 24
S 25	6 13 58	3°23'49	28°37	29°53	11°47	24°31	1°15	29° 7	22°36	11° 9	27°11	6° 2	5°47	10°45	12°24	S 25
M26	6 17 54	4°24'58	10♋38	1♑28	13° 0	25° 5	1°28	29°14	22°34	11° 8	27°11	5°47	5°44	10°52	12°30	M26
T 27	6 21 51	5°26'08	22°44	3° 4	14°12	25°39	1°42	29°21	22°32	11° 8	27°10	5°33	5°41	10°58	12°37	T 27
W28	6 25 48	6°27'18	4♌58	4°40	15°24	26°13	1°55	29°28	22°31	11° 7	27°10	5°20	5°38	11° 5	12°43	W28
T 29	6 29 44	7°28'28	17°19	6°16	16°37	26°47	2° 9	29°35	22°29	11° 7	27°10	5°10	5°34	11°12	12°49	T 29
F 30	6 33 41	8°29'38	29°51	7°53	17°49	27°21	2°22	29°42	22°28	11° 6	27° 9	5° 3	5°31	11°18	12°55	F 30
S 31	6 37 37	9♑30'48	12♍34	9♑30	19♒ 1	27♎55	2♒36	29♐49	22♉26	11♍ 6	27♈ 9	5♎ 0	5♎28	11♊25	13♏ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s50	14n 4	4s25	17s23	1n13	24s44	1s51	2s51	1n27	21s30	0s33	22s34	0n52	18n26	0s15	8n17	0n57	5s18	16s59	3s15	2s48	17n15	13s38	1n 8
F 2	21 59	11 11	3 46	17 52	1 6	24 38	1 52	3 5	1 27	21 28	0 33	22 34	0 52	18 25	0 15	8 17	0 57	5 18	16 59	3 13	2 47	17 16	13 40	1 8
S 3	22 8	7 43	2 56	18 20	0 58	24 31	1 53	3 19	1 27	21 26	0 33	22 35	0 52	18 25	0 15	8 17	0 57	5 18	16 59	3 12	2 46	17 16	13 42	1 9
S 4	22 17	3 48	1 55	18 48	0 51	24 24	1 54	3 33	1 27	21 23	0 33	22 35	0 52	18 24	0 15	8 17	0 57	5 18	16 58	3 12	2 45	17 17	13 44	1 9
M 5	22 24	0s25	0 47	19 15	0 44	24 15	1 55	3 47	1 27	21 21	0 33	22 35	0 52	18 24	0 15	8 17	0 57	5 18	16 58	3 12	2 43	17 17	13 46	1 9
T 6	22 32	4 45	0n26	19 41	0 37	24 6	1 56	4 0	1 27	21 19	0 33	22 35	0 52	18 23	0 15	8 17	0 57	5 18	16 58	3 12	2 42	17 18	13 48	1 10
W 7	22 39	8 58	1 40	20 7	0 29	23 56	1 56	4 14	1 27	21 16	0 33	22 36	0 52	18 22	0 15	8 16	0 57	5 18	16 58	3 12	2 41	17 19	13 50	1 10
T 8	22 45	12 46	2 50	20 32	0 22	23 45	1 57	4 27	1 27	21 14	0 33	22 36	0 51	18 22	0 15	8 16	0 57	5 18	16 57	3 10	2 40	17 19	13 52	1 10
F 9	22 52	15 49	3 49	20 56	0 15	23 34	1 58	4 41	1 27	21 12	0 33	22 36	0 51	18 21	0 15	8 16	0 57	5 18	16 57	3 8	2 38	17 20	13 54	1 11
S 10	22 57	17 48	4 33	21 19	0 8	23 22	1 58	4 54	1 27	21 9	0 33	22 36	0 51	18 21	0 15	8 16	0 57	5 18	16 57	3 4	2 37	17 20	13 56	1 11
S 11	23 2	18 31	4 57	21 41	0 1	23 10	1 58	5 8	1 27	21 7	0 33	22 37	0 51	18 20	0 15	8 16	0 58	5 18	16 57	3 0	2 36	17 21	13 58	1 11
M12	23 7	17 53	5 0	22 2	0s 6	22 56	1 59	5 21	1 27	21 4	0 34	22 37	0 51	18 20	0 15	8 16	0 58	5 18	16 56	2 55	2 35	17 22	14 0	1 12
T 13	23 12	16 2	4 43	22 23	0 13	22 42	1 59	5 34	1 27	21 1	0 34	22 37	0 51	18 19	0 15	8 16	0 58	5 18	16 56	2 51	2 33	17 22	14 2	1 12
W14	23 15	13 14	4 8	22 42	0 20	22 28	1 59	5 48	1 28	20 59	0 34	22 37	0 51	18 19	0 15	8 16	0 58	5 18	16 56	2 48	2 32	17 23	14 4	1 13
T 15	23 19	9 45	3 19	23 0	0 27	22 12	1 59	6 1	1 28	20 56	0 34	22 37	0 51	18 18	0 15	8 17	0 58	5 18	16 55	2 46	2 31	17 23	14 5	1 13
F 16	23 22	5 53	2 20	23 17	0 33	21 56	1 59	6 14	1 28	20 54	0 34	22 38	0 51	18 18	0 15	8 17	0 58	5 18	16 55	2 45	2 30	17 24	14 7	1 13
S 17	23 24	1 52	1 16	23 32	0 40	21 40	1 59	6 27	1 28	20 51	0 34	22 38	0 51	18 17	0 15	8 17	0 58	5 18	16 55	2 45	2 28	17 25	14 9	1 14
S 18	23 26	2n 8	0 10	23 47	0 46	21 23	1 59	6 40	1 28	20 48	0 34	22 38	0 51	18 17	0 15	8 17	0 58	5 17	16 54	2 45	2 27	17 25	14 11	1 14
M19	23 28	5 56	0s54	24 0	0 52	21 5	1 58	6 53	1 28	20 46	0 34	22 38	0 51	18 16	0 15	8 17	0 58	5 17	16 54	2 45	2 26	17 26	14 13	1 14
T 20	23 29	9 26	1 55	24 13	0 58	20 47	1 58	7 6	1 28	20 43	0 34	22 38	0 51	18 16	0 15	8 17	0 58	5 17	16 54	2 44	2 24	17 26	14 14	1 15
W21	23 29	12 30	2 51	24 24	1 4	20 28	1 57	7 19	1 28	20 40	0 34	22 38	0 51	18 15	0 15	8 17	0 58	5 17	16 53	2 42	2 23	17 27	14 16	1 15
T 22	23 29	15 3	3 38	24 33	1 9	20 8	1 57	7 32	1 28	20 37	0 34	22 38	0 50	18 15	0 14	8 17	0 58	5 17	16 53	2 39	2 22	17 27	14 18	1 16
F 23	23 29	16 57	4 16	24 41	1 15	19 48	1 56	7 44	1 28	20 34	0 34	22 39	0 50	18 14	0 14	8 17	0 58	5 17	16 53	2 35	2 21	17 28	14 19	1 16
S 24	23 28	18 8	4 42	24 48	1 20	19 28	1 55	7 57	1 28	20 31	0 34	22 39	0 50	18 14	0 14	8 18	0 58	5 17	16 52	2 30	2 19	17 28	14 21	1 16
S 25	23 27	18 32	4 57	24 54	1 25	19 7	1 54	8 9	1 28	20 29	0 34	22 39	0 50	18 13	0 14	8 18	0 58	5 16	16 52	2 24	2 18	17 29	14 22	1 17
M26	23 25	18 6	4 58	24 58	1 30	18 45	1 53	8 22	1 28	20 26	0 34	22 39	0 50	18 13	0 14	8 18	0 58	5 16	16 52	2 18	2 17	17 30	14 24	1 17
T 27	23 23	16 52	4 46	25 1	1 34	18 23	1 52	8 34	1 28	20 23	0 34	22 39	0 50	18 13	0 14	8 18	0 58	5 16	16 51	2 12	2 16	17 30	14 25	1 18
W28	23 20	14 51	4 21	25 3	1 38	18 1	1 51	8 47	1 28	20 20	0 34	22 39	0 50	18 12	0 14	8 18	0 58	5 16	16 51	2 7	2 14	17 31	14 27	1 18
T 29	23 17	12 8	3 43	25 3	1 42	17 38	1 50	8 59	1 28	20 17	0 34	22 39	0 50	18 12	0 14	8 19	0 58	5 16	16 51	2 4	2 13	17 31	14 28	1 18
F 30	23 13	8 50	2 54	25 1	1 46	17 14	1 48	9 11	1 28	20 14	0 34	22 39	0 50	18 11	0 14	8 19	0 58	5 15	16 50	2 1	2 12	17 32	14 30	1 19
S 31	23s 9	5n 5	1s55	24s58	1s50	16s50	1s47	9s23	1n28	20s11	0s34	22s39	0n50	18n11	0s14	8n19	0n58	5s15	16s50	1s59	2s11	17n32	14s31	1n19

Julian Day Number = 2307608.5, Delta T = 81.35 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'25, Lahiri = 18°21'25Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1606
geocentric

JANUARY 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 41 34	10♉31'58	25♍33	11♉ 7	20♒13	28♎29	2♒50	29♐56	22°R25	11°R 5	27°R 9	4°R58	5♎25	11♊32	13♏ 7	S 1
M 2	6 45 30	11°33'08	8♎49	12°45	21°25	29° 2	3° 4	0♉ 3	22♉23	11♍ 4	27♈ 9	4♎58	5°22	11°38	13°13	M 2
T 3	6 49 27	12°34'19	22°27	14°24	22°37	29°36	3°17	0°10	22°22	11° 4	27° 8	4°58	5°19	11°45	13°18	T 3
W 4	6 53 23	13°35'29	6♏28	16° 2	23°49	0♏ 9	3°31	0°17	22°21	11° 3	27° 8	4°56	5°15	11°52	13°24	W 4
T 5	6 57 20	14°36'40	20°52	17°42	25° 1	0°43	3°45	0°24	22°19	11° 2	27° 8	4°52	5°12	11°59	13°30	T 5
F 6	7 1 17	15°37'51	5♐37	19°21	26°12	1°16	3°59	0°30	22°18	11° 1	27° 8	4°46	5° 9	12° 5	13°35	F 6
S 7	7 5 13	16°39'01	20°37	21° 1	27°24	1°49	4°13	0°37	22°17	11° 1	27° 8	4°36	5° 6	12°12	13°41	S 7
S 8	7 9 10	17°40'11	5♑44	22°42	28°35	2°22	4°27	0°44	22°16	11° 0	27° 8	4°25	5° 3	12°19	13°46	S 8
M 9	7 13 6	18°41'21	20°48	24°23	29°47	2°56	4°41	0°51	22°15	10°59	27° 8	4°14	5° 0	12°25	13°51	M 9
T 10	7 17 3	19°42'31	5♒38	26° 4	0♓58	3°29	4°55	0°58	22°14	10°58	27° 8	4° 3	4°56	12°32	13°56	T 10
W11	7 20 59	20°43'40	20° 6	27°46	2° 9	4° 1	5° 9	1° 5	22°13	10°57	27°D 8	3°54	4°53	12°39	14° 1	W11
T 12	7 24 56	21°44'48	4♓ 7	29°27	3°20	4°34	5°23	1°11	22°12	10°56	27° 8	3°48	4°50	12°46	14° 6	T 12
F 13	7 28 52	22°45'55	17°39	1♒10	4°31	5° 7	5°37	1°18	22°11	10°55	27° 8	3°45	4°47	12°52	14°11	F 13
S 14	7 32 49	23°47'01	0♈43	2°52	5°42	5°39	5°51	1°25	22°10	10°54	27° 8	3°D44	4°44	12°59	14°16	S 14
S 15	7 36 46	24°48'06	13°22	4°35	6°53	6°12	6° 6	1°32	22° 9	10°53	27° 8	3°44	4°40	13° 6	14°21	S 15
M16	7 40 42	25°49'11	25°41	6°17	8° 3	6°44	6°20	1°38	22° 8	10°52	27° 8	3°R44	4°37	13°12	14°25	M16
T 17	7 44 39	26°50'14	7♉45	8° 0	9°14	7°17	6°34	1°45	22° 8	10°51	27° 8	3°43	4°34	13°19	14°30	T 17
W18	7 48 35	27°51'17	19°40	9°42	10°24	7°49	6°48	1°52	22° 7	10°50	27° 8	3°41	4°31	13°26	14°34	W18
T 19	7 52 32	28°52'18	1♊30	11°24	11°34	8°21	7° 2	1°58	22° 6	10°49	27° 9	3°36	4°28	13°33	14°38	T 19
F 20	7 56 28	29°53'18	13°20	13° 5	12°44	8°53	7°17	2° 5	22° 6	10°48	27° 9	3°28	4°25	13°39	14°43	F 20
S 21	8 0 25	0♒54'18	25°14	14°45	13°54	9°25	7°31	2°11	22° 5	10°47	27° 9	3°18	4°21	13°46	14°47	S 21
S 22	8 4 21	1°55'16	7♋14	16°24	15° 4	9°56	7°45	2°18	22° 5	10°45	27° 9	3° 7	4°18	13°53	14°51	S 22
M23	8 8 18	2°56'13	19°23	18° 2	16°14	10°28	8° 0	2°24	22° 5	10°44	27° 9	2°55	4°15	13°59	14°55	M23
T 24	8 12 15	3°57'10	1♌41	19°38	17°23	11° 0	8°14	2°30	22° 4	10°43	27°10	2°43	4°12	14° 6	14°58	T 24
W25	8 16 11	4°58'05	14° 8	21°12	18°33	11°31	8°28	2°37	22° 4	10°42	27°10	2°33	4° 9	14°13	15° 2	W25
T 26	8 20 8	5°58'59	26°47	22°43	19°42	12° 2	8°42	2°43	22° 4	10°40	27°10	2°25	4° 5	14°20	15° 6	T 26
F 27	8 24 4	6°59'52	9♍35	24°11	20°51	12°33	8°57	2°49	22° 3	10°39	27°11	2°20	4° 2	14°26	15° 9	F 27
S 28	8 28 1	8° 0'44	22°35	25°35	22° 0	13° 4	9°11	2°56	22° 3	10°38	27°11	2°17	3°59	14°33	15°13	S 28
S 29	8 31 57	9° 1'35	5♎46	26°54	23° 8	13°35	9°25	3° 2	22° 3	10°36	27°12	2°D17	3°56	14°40	15°16	S 29
M30	8 35 54	10° 2'25	19°11	28° 8	24°17	14° 6	9°40	3° 8	22°D 3	10°35	27°12	2°18	3°53	14°46	15°19	M30
T 31	8 39 50	11♒ 3'15	2♏50	29♒16	25♓25	14♏37	9♒54	3♉14	22♉ 3	10♍34	27♈12	2♎19	3♎50	14♊53	15♏22	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 4	1n 1	0s50	24s54	1s53	16s26	1s45	9s35	1n28	20s 7	0s34	22s39	0n50	18n11	0s14	8n19	0n58	5s15	16s50	1s59	2s 9	17n33	14s33	1n20
M 2	22 59	3s12	0n20	24 48	1 56	16 1	1 43	9 47	1 28	20 4	0 34	22 39	0 50	18 10	0 14	8 20	0 58	5 15	16 49	1 59	2 8	17 33	14 34	1 20
T 3	22 54	7 21	1 31	24 40	1 58	15 36	1 42	9 59	1 28	20 1	0 34	22 39	0 50	18 10	0 14	8 20	0 58	5 14	16 49	1 59	2 7	17 34	14 35	1 20
W 4	22 48	11 13	2 38	24 31	2 0	15 11	1 40	10 11	1 28	19 58	0 35	22 40	0 50	18 10	0 14	8 20	0 59	5 14	16 49	1 58	2 6	17 34	14 37	1 21
T 5	22 41	14 31	3 37	24 20	2 2	14 45	1 38	10 23	1 27	19 55	0 35	22 40	0 50	18 9	0 14	8 21	0 59	5 14	16 48	1 56	2 4	17 35	14 38	1 21
F 6	22 34	16 58	4 23	24 8	2 4	14 18	1 36	10 34	1 27	19 52	0 35	22 40	0 50	18 9	0 14	8 21	0 59	5 13	16 48	1 54	2 3	17 35	14 39	1 22
S 7	22 27	18 18	4 52	23 54	2 5	13 52	1 33	10 46	1 27	19 48	0 35	22 40	0 50	18 9	0 14	8 21	0 59	5 13	16 48	1 50	2 2	17 36	14 40	1 22
S 8	22 19	18 21	5 1	23 38	2 6	13 25	1 31	10 57	1 27	19 45	0 35	22 40	0 50	18 9	0 14	8 22	0 59	5 13	16 47	1 46	2 1	17 36	14 41	1 22
M 9	22 11	17 7	4 49	23 21	2 6	12 57	1 29	11 9	1 27	19 42	0 35	22 40	0 50	18 8	0 14	8 22	0 59	5 12	16 47	1 41	1 59	17 37	14 43	1 23
T 10	22 2	14 45	4 17	23 2	2 6	12 30	1 26	11 20	1 27	19 38	0 35	22 40	0 49	18 8	0 14	8 22	0 59	5 12	16 46	1 37	1 58	17 37	14 44	1 23
W11	21 53	11 30	3 29	22 42	2 5	12 2	1 24	11 31	1 27	19 35	0 35	22 40	0 49	18 8	0 14	8 23	0 59	5 12	16 46	1 33	1 57	17 38	14 45	1 24
T 12	21 44	7 41	2 30	22 20	2 4	11 34	1 21	11 42	1 27	19 32	0 35	22 40	0 49	18 8	0 14	8 23	0 59	5 11	16 46	1 31	1 55	17 38	14 46	1 24
F 13	21 34	3 36	1 24	21 56	2 3	11 5	1 18	11 53	1 27	19 28	0 35	22 40	0 49	18 7	0 14	8 24	0 59	5 11	16 45	1 29	1 54	17 39	14 47	1 25
S 14	21 23	0n32	0 16	21 31	2 0	10 37	1 15	12 4	1 27	19 25	0 35	22 40	0 49	18 7	0 14	8 24	0 59	5 11	16 45	1 29	1 53	17 39	14 48	1 25
S 15	21 13	4 30	0s51	21 4	1 58	10 8	1 13	12 15	1 27	19 21	0 35	22 39	0 49	18 7	0 14	8 24	0 59	5 10	16 45	1 29	1 52	17 40	14 49	1 25
M16	21 1	8 11	1 54	20 35	1 54	9 38	1 9	12 26	1 27	19 18	0 35	22 39	0 49	18 7	0 14	8 25	0 59	5 10	16 44	1 29	1 50	17 40	14 50	1 26
T 17	20 50	11 26	2 51	20 5	1 51	9 9	1 6	12 36	1 26	19 14	0 35	22 39	0 49	18 7	0 14	8 25	0 59	5 10	16 44	1 29	1 49	17 41	14 51	1 26
W18	20 38	14 10	3 39	19 34	1 46	8 39	1 3	12 47	1 26	19 11	0 35	22 39	0 49	18 7	0 14	8 26	0 59	5 9	16 44	1 28	1 48	17 41	14 52	1 27
T 19	20 26	16 18	4 17	19 1	1 41	8 10	1 0	12 57	1 26	19 7	0 36	22 39	0 49	18 6	0 14	8 26	0 59	5 9	16 43	1 26	1 47	17 42	14 52	1 27
F 20	20 13	17 44	4 45	18 26	1 35	7 40	0 56	13 8	1 26	19 4	0 36	22 39	0 49	18 6	0 14	8 27	0 59	5 8	16 43	1 23	1 45	17 42	14 53	1 28
S 21	20 0	18 24	5 0	17 51	1 28	7 9	0 53	13 18	1 26	19 0	0 36	22 39	0 49	18 6	0 14	8 27	0 59	5 8	16 42	1 19	1 44	17 43	14 54	1 28
S 22	19 46	18 15	5 2	17 14	1 21	6 39	0 49	13 28	1 26	18 57	0 36	22 39	0 49	18 6	0 14	8 28	0 59	5 8	16 42	1 14	1 43	17 43	14 55	1 29
M23	19 33	17 17	4 51	16 37	1 13	6 9	0 46	13 38	1 26	18 53	0 36	22 39	0 49	18 6	0 14	8 28	0 59	5 7	16 42	1 10	1 42	17 44	14 55	1 29
T 24	19 18	15 30	4 26	15 58	1 4	5 38	0 42	13 48	1 25	18 49	0 36	22 39	0 49	18 6	0 14	8 29	0 59	5 7	16 41	1 5	1 40	17 44	14 56	1 30
W25	19 4	12 59	3 48	15 19	0 54	5 7	0 38	13 58	1 25	18 46	0 36	22 39	0 49	18 6	0 14	8 29	0 59	5 6	16 41	1 1	1 39	17 45	14 57	1 30
T 26	18 49	9 49	2 58	14 39	0 43	4 37	0 34	14 8	1 25	18 42	0 36	22 39	0 49	18 6	0 14	8 30	0 59	5 6	16 41	0 58	1 38	17 45	14 57	1 30
F 27	18 34	6 10	1 59	13 59	0 32	4 6	0 30	14 17	1 25	18 38	0 36	22 39	0 49	18 6	0 14	8 30	0 59	5 5	16 40	0 56	1 37	17 46	14 58	1 31
S 28	18 18	2 9	0 52	13 20	0 20	3 35	0 26	14 27	1 25	18 35	0 36	22 38	0 49	18 6	0 14	8 31	0 59	5 5	16 40	0 55	1 35	17 46	14 58	1 31
S 29	18 2	2s 1	0n19	12 40	0 7	3 4	0 22	14 36	1 24	18 31	0 36	22 38	0 49	18 6	0 14	8 31	0 59	5 4	16 40	0 55	1 34	17 47	14 59	1 32
M30	17 46	6 9	1 30	12 2	0n 7	2 33	0 17	14 46	1 24	18 27	0 36	22 38	0 49	18 6	0 14	8 32	0 59	5 4	16 39	0 55	1 33	17 47	14 59	1 32
T 31	17s29	10s 2	2n37	11s25	0n22	2s 1	0s13	14s55	1n24	18s23	0s36	22s38	0n49	18n 6	0s14	8n32	0n59	5s 4	16s39	0s55	1s31	17n47	15s 0	1n33

Julian Day Number = 2307639.5, Delta T = 81.25 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'29, Lahiri = 18°21'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

FEBRUARY 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 43 47	12♒ 4'03	16♏45	0♓18	26♓33	15♏ 7	10♒ 8	3♑20	22♉ 3	10°R32	27♈13	2°R19	3♎46	15♊ 0	15♏25	W 1
T 2	8 47 44	13° 4'51	0♐55	1°12	27°41	15°38	10°23	3°26	22° 4	10♍31	27°13	2♎17	3°43	15° 7	15°28	T 2
F 3	8 51 40	14° 5'37	15°19	1°57	28°49	16° 8	10°37	3°32	22° 4	10°29	27°14	2°14	3°40	15°13	15°31	F 3
S 4	8 55 37	15° 6'23	29°54	2°34	29°56	16°38	10°51	3°38	22° 4	10°28	27°14	2° 8	3°37	15°20	15°33	S 4
S 5	8 59 33	16° 7'08	14♑35	3° 1	1♈ 3	17° 8	11° 6	3°44	22° 4	10°26	27°15	2° 1	3°34	15°27	15°36	S 5
M 6	9 3 30	17° 7'51	29°14	3°18	2°10	17°38	11°20	3°49	22° 5	10°25	27°15	1°54	3°31	15°33	15°38	M 6
T 7	9 7 26	18° 8'33	13♒45	3°R24	3°17	18° 7	11°34	3°55	22° 5	10°23	27°16	1°47	3°27	15°40	15°41	T 7
W 8	9 11 23	19° 9'13	28° 0	3°20	4°24	18°37	11°48	4° 1	22° 6	10°22	27°17	1°41	3°24	15°47	15°43	W 8
T 9	9 15 19	20° 9'52	11♓54	3° 5	5°30	19° 6	12° 3	4° 6	22° 6	10°20	27°17	1°37	3°21	15°54	15°45	T 9
F 10	9 19 16	21°10'29	25°24	2°40	6°37	19°35	12°17	4°12	22° 7	10°19	27°18	1°D36	3°18	16° 0	15°47	F 10
S 11	9 23 13	22°11'05	8♈29	2° 6	7°42	20° 4	12°31	4°18	22° 7	10°17	27°18	1°36	3°15	16° 7	15°49	S 11
S 12	9 27 9	23°11'39	21°12	1°22	8°48	20°32	12°45	4°23	22° 8	10°16	27°19	1°37	3°11	16°14	15°51	S 12
M13	9 31 6	24°12'11	3♉36	0°31	9°54	21° 1	13° 0	4°28	22° 9	10°14	27°20	1°39	3° 8	16°21	15°52	M13
T 14	9 35 2	25°12'41	15°44	29♒34	10°59	21°29	13°14	4°34	22° 9	10°12	27°21	1°40	3° 5	16°27	15°54	T 14
W15	9 38 59	26°13'10	27°42	28°32	12° 3	21°57	13°28	4°39	22°10	10°11	27°21	1°R40	3° 2	16°34	15°55	W15
T 16	9 42 55	27°13'36	9♊34	27°27	13° 8	22°25	13°42	4°44	22°11	10° 9	27°22	1°39	2°59	16°41	15°57	T 16
F 17	9 46 52	28°14'01	21°26	26°21	14°12	22°53	13°56	4°49	22°12	10° 8	27°23	1°37	2°56	16°47	15°58	F 17
S 18	9 50 48	29°14'23	3♋22	25°15	15°16	23°21	14°10	4°54	22°13	10° 6	27°24	1°33	2°52	16°54	15°59	S 18
S 19	9 54 45	0♓14'44	15°26	24°11	16°20	23°48	14°24	4°59	22°14	10° 4	27°24	1°28	2°49	17° 1	16° 0	S 19
M20	9 58 42	1°15'03	27°40	23°10	17°23	24°15	14°38	5° 4	22°15	10° 3	27°25	1°23	2°46	17° 8	16° 1	M20
T 21	10 2 38	2°15'20	10♌ 8	22°14	18°26	24°42	14°52	5° 9	22°16	10° 1	27°26	1°17	2°43	17°14	16° 2	T 21
W22	10 6 35	3°15'35	22°50	21°23	19°28	25° 9	15° 6	5°14	22°17	9°59	27°27	1°13	2°40	17°21	16° 2	W22
T 23	10 10 31	4°15'48	5♍46	20°38	20°31	25°36	15°20	5°19	22°19	9°58	27°28	1°10	2°37	17°28	16° 3	T 23
F 24	10 14 28	5°15'59	18°57	20° 0	21°33	26° 2	15°34	5°23	22°20	9°56	27°29	1° 8	2°33	17°34	16° 3	F 24
S 25	10 18 24	6°16'09	2♎20	19°29	22°34	26°28	15°48	5°28	22°21	9°54	27°30	1°D 7	2°30	17°41	16° 3	S 25
S 26	10 22 21	7°16'17	15°56	19° 5	23°35	26°54	16° 2	5°32	22°23	9°53	27°31	1° 8	2°27	17°48	16° 4	S 26
M27	10 26 17	8°16'23	29°42	18°47	24°36	27°19	16°16	5°37	22°24	9°51	27°32	1° 9	2°24	17°55	16°R 4	M27
T 28	10 30 14	9♓16'27	13♏37	18♒37	25♈36	27♏45	16♒30	5♑41	22♉26	9♍49	27♈33	1♎11	2♎21	18♊ 1	16♏ 4	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s13	13s25	3n36	10s49	0n37	1s30	0s 9	15s 4	1n24	18s20	0s37	22s38	0n49	18n 6	0s14	8n33	0n59	5s 3	16s39	0s55	1s30	17n48	15s 0	1n33
T 2	16 55	16 5	4 23	10 15	0 53	0 59	0 4	15 13	1 24	18 16	0 37	22 38	0 49	18 6	0 14	8 33	0 59	5 3	16 38	0 55	1 29	17 48	15 1	1 34
F 3	16 38	17 48	4 55	9 44	1 9	0 28	0n 1	15 22	1 23	18 12	0 37	22 38	0 49	18 6	0 14	8 34	1 0	5 2	16 38	0 53	1 28	17 49	15 1	1 34
S 4	16 20	18 22	5 7	9 15	1 25	0n 3	0 5	15 31	1 23	18 8	0 37	22 38	0 49	18 6	0 14	8 35	1 0	5 2	16 38	0 51	1 26	17 49	15 1	1 35
S 5	16 2	17 43	5 0	8 50	1 42	0 34	0 10	15 40	1 23	18 4	0 37	22 37	0 49	18 6	0 14	8 35	1 0	5 1	16 37	0 48	1 25	17 50	15 2	1 35
M 6	15 44	15 53	4 34	8 29	1 58	1 6	0 15	15 48	1 22	18 0	0 37	22 37	0 49	18 6	0 14	8 36	1 0	5 1	16 37	0 45	1 24	17 50	15 2	1 36
T 7	15 25	13 4	3 50	8 11	2 15	1 37	0 20	15 57	1 22	17 57	0 37	22 37	0 49	18 6	0 14	8 36	1 0	5 0	16 36	0 43	1 23	17 51	15 2	1 36
W 8	15 7	9 30	2 52	7 58	2 30	2 8	0 25	16 5	1 22	17 53	0 37	22 37	0 49	18 7	0 14	8 37	1 0	5 0	16 36	0 40	1 21	17 51	15 2	1 37
T 9	14 48	5 30	1 45	7 50	2 45	2 39	0 30	16 14	1 21	17 49	0 37	22 37	0 49	18 7	0 14	8 38	1 0	4 59	16 36	0 39	1 20	17 51	15 2	1 37
F 10	14 28	1 19	0 34	7 46	2 59	3 10	0 35	16 22	1 21	17 45	0 37	22 37	0 49	18 7	0 13	8 38	1 0	4 58	16 35	0 38	1 19	17 52	15 2	1 38
S 11	14 9	2n48	0s37	7 46	3 11	3 40	0 40	16 30	1 21	17 41	0 37	22 37	0 49	18 7	0 13	8 39	1 0	4 58	16 35	0 38	1 18	17 52	15 2	1 38
S 12	13 49	6 40	1 45	7 52	3 22	4 11	0 45	16 38	1 20	17 37	0 38	22 36	0 49	18 7	0 13	8 39	1 0	4 57	16 35	0 39	1 16	17 53	15 3	1 39
M13	13 29	10 9	2 45	8 1	3 31	4 42	0 50	16 46	1 20	17 33	0 38	22 36	0 49	18 8	0 13	8 40	1 0	4 57	16 35	0 39	1 15	17 53	15 3	1 39
T 14	13 9	13 7	3 37	8 15	3 38	5 12	0 56	16 53	1 20	17 29	0 38	22 36	0 49	18 8	0 13	8 41	1 0	4 56	16 34	0 40	1 14	17 53	15 3	1 40
W15	12 48	15 29	4 19	8 32	3 42	5 43	1 1	17 1	1 19	17 25	0 38	22 36	0 49	18 8	0 13	8 41	1 0	4 56	16 34	0 40	1 12	17 54	15 2	1 40
T 16	12 28	17 10	4 49	8 52	3 45	6 13	1 6	17 9	1 19	17 21	0 38	22 36	0 49	18 8	0 13	8 42	1 0	4 55	16 34	0 40	1 11	17 54	15 2	1 41
F 17	12 7	18 6	5 7	9 14	3 45	6 43	1 12	17 16	1 18	17 17	0 38	22 35	0 49	18 8	0 13	8 43	1 0	4 55	16 33	0 39	1 10	17 55	15 2	1 41
S 18	11 46	18 15	5 12	9 38	3 42	7 13	1 17	17 23	1 18	17 13	0 38	22 35	0 49	18 9	0 13	8 43	1 0	4 54	16 33	0 37	1 9	17 55	15 2	1 42
S 19	11 24	17 35	5 3	10 3	3 38	7 42	1 23	17 31	1 18	17 9	0 38	22 35	0 49	18 9	0 13	8 44	1 0	4 54	16 33	0 35	1 7	17 55	15 2	1 42
M20	11 3	16 6	4 40	10 29	3 32	8 12	1 28	17 38	1 17	17 5	0 38	22 35	0 49	18 9	0 13	8 44	1 0	4 53	16 32	0 33	1 6	17 56	15 2	1 43
T 21	10 42	13 50	4 4	10 55	3 24	8 41	1 34	17 45	1 17	17 1	0 39	22 35	0 49	18 10	0 13	8 45	1 0	4 52	16 32	0 31	1 5	17 56	15 1	1 43
W22	10 20	10 52	3 15	11 20	3 15	9 10	1 40	17 52	1 16	16 57	0 39	22 35	0 48	18 10	0 13	8 46	1 0	4 52	16 32	0 29	1 4	17 57	15 1	1 44
T 23	9 58	7 20	2 15	11 44	3 4	9 39	1 46	17 58	1 16	16 53	0 39	22 34	0 48	18 10	0 13	8 46	1 0	4 51	16 31	0 28	1 2	17 57	15 1	1 44
F 24	9 36	3 22	1 6	12 7	2 52	10 8	1 51	18 5	1 15	16 49	0 39	22 34	0 48	18 11	0 13	8 47	1 0	4 51	16 31	0 27	1 1	17 57	15 0	1 45
S 25	9 14	0s50	0n 7	12 29	2 40	10 36	1 57	18 12	1 15	16 45	0 39	22 34	0 48	18 11	0 13	8 48	1 0	4 50	16 31	0 27	1 0	17 58	15 0	1 45
S 26	8 51	5 2	1 21	12 49	2 26	11 5	2 3	18 18	1 14	16 41	0 39	22 34	0 48	18 11	0 13	8 48	1 0	4 50	16 31	0 27	0 59	17 58	15 0	1 46
M27	8 29	9 2	2 31	13 7	2 13	11 33	2 9	18 25	1 13	16 37	0 39	22 34	0 48	18 12	0 13	8 49	1 0	4 49	16 30	0 28	0 57	17 58	14 59	1 46
T 28	8s 7	12s34	3n33	13s23	1n59	12n 0	2n15	18s31	1n13	16s33	0s39	22s34	0n48	18n12	0s13	8n50	1n 0	4s48	16s30	0s28	0s56	17n59	14s59	1n47

Julian Day Number = 2307670.5, Delta T = 81.15 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'33, Lahiri = 18°21'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

MARCH 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 34 10	10♓16'30	27♏39	18°D33	26♈36	28♏10	16♒43	5♑45	22♉27	9°R48	27♈34	1♎12	2♎17	18♊ 8	16°R 4	W 1
T 2	10 38 7	11°16'32	11♐48	18♒36	27°35	28°35	16°57	5°50	22°29	9♍46	27°35	1°R12	2°14	18°15	16♏ 3	T 2
F 3	10 42 4	12°16'32	26° 2	18°44	28°34	28°59	17°11	5°54	22°30	9°44	27°36	1°12	2°11	18°21	16° 3	F 3
S 4	10 46 0	13°16'30	10♑17	18°59	29°32	29°23	17°24	5°58	22°32	9°43	27°37	1°10	2° 8	18°28	16° 2	S 4
S 5	10 49 57	14°16'27	24°31	19°19	0♉30	29°47	17°38	6° 2	22°34	9°41	27°38	1° 8	2° 5	18°35	16° 2	S 5
M 6	10 53 53	15°16'21	8♒41	19°44	1°28	0♐11	17°52	6° 6	22°35	9°39	27°39	1° 6	2° 2	18°42	16° 1	M 6
T 7	10 57 50	16°16'15	22°42	20°14	2°25	0°34	18° 5	6°10	22°37	9°38	27°40	1° 4	1°58	18°48	16° 0	T 7
W 8	11 1 46	17°16'06	6♓31	20°48	3°21	0°58	18°19	6°13	22°39	9°36	27°41	1° 2	1°55	18°55	15°59	W 8
T 9	11 5 43	18°15'55	20° 4	21°26	4°17	1°20	18°32	6°17	22°41	9°34	27°42	1° 2	1°52	19° 2	15°58	T 9
F 10	11 9 39	19°15'42	3♈20	22° 9	5°12	1°43	18°45	6°20	22°43	9°33	27°43	1°D 1	1°49	19° 8	15°57	F 10
S 11	11 13 36	20°15'27	16°18	22°55	6° 7	2° 5	18°59	6°24	22°45	9°31	27°44	1° 2	1°46	19°15	15°56	S 11
S 12	11 17 33	21°15'10	28°57	23°45	7° 1	2°27	19°12	6°27	22°47	9°30	27°45	1° 2	1°42	19°22	15°55	S 12
M13	11 21 29	22°14'51	11♉21	24°37	7°54	2°48	19°25	6°31	22°49	9°28	27°46	1° 3	1°39	19°29	15°53	M13
T 14	11 25 26	23°14'29	23°30	25°33	8°47	3° 9	19°38	6°34	22°51	9°26	27°48	1° 4	1°36	19°35	15°52	T 14
W15	11 29 22	24°14'06	5♊30	26°32	9°39	3°30	19°51	6°37	22°53	9°25	27°49	1° 5	1°33	19°42	15°50	W15
T 16	11 33 19	25°13'40	17°24	27°33	10°30	3°50	20° 4	6°40	22°55	9°23	27°50	1° 5	1°30	19°49	15°48	T 16
F 17	11 37 15	26°13'11	29°17	28°37	11°20	4°10	20°17	6°43	22°58	9°21	27°51	1°R 5	1°27	19°56	15°46	F 17
S 18	11 41 12	27°12'41	11♋13	29°43	12°10	4°30	20°30	6°46	23° 0	9°20	27°52	1° 5	1°23	20° 2	15°44	S 18
S 19	11 45 8	28°12'08	23°18	0♓52	12°59	4°49	20°43	6°49	23° 2	9°18	27°54	1° 5	1°20	20° 9	15°42	S 19
M20	11 49 5	29°11'33	5♌34	2° 3	13°47	5° 8	20°56	6°51	23° 5	9°17	27°55	1° 5	1°17	20°16	15°40	M20
T 21	11 53 2	0♈10'55	18° 7	3°16	14°34	5°27	21° 8	6°54	23° 7	9°15	27°56	1° 5	1°14	20°22	15°38	T 21
W22	11 56 58	1°10'15	0♍57	4°31	15°21	5°45	21°21	6°56	23° 9	9°14	27°57	1°D 4	1°11	20°29	15°35	W22
T 23	12 0 55	2° 9'33	14° 7	5°48	16° 6	6° 2	21°34	6°59	23°12	9°12	27°58	1° 5	1° 8	20°36	15°33	T 23
F 24	12 4 51	3° 8'49	27°37	7° 6	16°50	6°20	21°46	7° 1	23°14	9°11	28° 0	1°R 5	1° 4	20°43	15°30	F 24
S 25	12 8 48	4° 8'03	11♎26	8°27	17°34	6°36	21°59	7° 3	23°17	9° 9	28° 1	1° 5	1° 1	20°49	15°28	S 25
S 26	12 12 44	5° 7'14	25°29	9°49	18°16	6°53	22°11	7° 6	23°19	9° 8	28° 2	1° 4	0°58	20°56	15°25	S 26
M27	12 16 41	6° 6'24	9♏44	11°13	18°57	7° 8	22°23	7° 8	23°22	9° 6	28° 4	1° 4	0°55	21° 3	15°22	M27
T 28	12 20 37	7° 5'32	24° 5	12°39	19°37	7°24	22°35	7°10	23°25	9° 5	28° 5	1° 3	0°52	21° 9	15°19	T 28
W29	12 24 34	8° 4'38	8♐28	14° 6	20°16	7°39	22°47	7°11	23°27	9° 3	28° 6	1° 3	0°48	21°16	15°16	W29
T 30	12 28 30	9° 3'42	22°49	15°35	20°54	7°53	23° 0	7°13	23°30	9° 2	28° 7	1° 2	0°45	21°23	15°13	T 30
F 31	12 32 27	10♈ 2'45	7♑ 5	17♓ 5	21♉30	8♐ 7	23♒12	7♑15	23♉33	9♍ 1	28♈ 9	1°D 2	0♎42	21♊30	15♏10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s44	15s24	4n23	13s38	1n45	12n28	2n20	18s37	1n12	16s29	0s39	22s33	0n48	18n13	0s13	8n50	1n 0	4s48	16s30	0s29	0s55	17n59	14s58	1n47
T 2	7 21	17 20	4 58	13 50	1 31	12 55	2 26	18 43	1 12	16 25	0 40	22 33	0 48	18 13	0 13	8 51	1 0	4 47	16 30	0 29	0 54	18 0	14 57	1 48
F 3	6 58	18 12	5 14	14 1	1 18	13 21	2 32	18 49	1 11	16 21	0 40	22 33	0 48	18 13	0 13	8 52	1 0	4 47	16 29	0 29	0 52	18 0	14 57	1 48
S 4	6 35	17 55	5 11	14 9	1 4	13 48	2 38	18 55	1 10	16 17	0 40	22 33	0 48	18 14	0 13	8 52	1 0	4 46	16 29	0 28	0 51	18 0	14 56	1 49
S 5	6 12	16 31	4 50	14 16	0 51	14 14	2 44	19 1	1 10	16 13	0 40	22 33	0 48	18 14	0 13	8 53	1 0	4 46	16 29	0 27	0 50	18 1	14 56	1 49
M 6	5 49	14 6	4 10	14 20	0 38	14 40	2 50	19 6	1 9	16 9	0 40	22 32	0 48	18 15	0 13	8 53	1 0	4 45	16 29	0 26	0 48	18 1	14 55	1 50
T 7	5 26	10 53	3 16	14 23	0 25	15 5	2 56	19 12	1 8	16 5	0 40	22 32	0 48	18 15	0 13	8 54	1 0	4 44	16 28	0 26	0 47	18 1	14 54	1 50
W 8	5 2	7 6	2 11	14 24	0 12	15 30	3 2	19 18	1 7	16 1	0 40	22 32	0 48	18 16	0 13	8 55	1 0	4 44	16 28	0 25	0 46	18 2	14 53	1 51
T 9	4 39	3 1	1 0	14 23	0 1	15 55	3 8	19 23	1 7	15 57	0 41	22 32	0 48	18 16	0 13	8 55	1 0	4 43	16 28	0 25	0 45	18 2	14 53	1 51
F 10	4 16	1n 8	0s13	14 20	0s11	16 19	3 14	19 28	1 6	15 53	0 41	22 32	0 48	18 17	0 13	8 56	1 0	4 43	16 28	0 24	0 43	18 2	14 52	1 52
S 11	3 52	5 8	1 24	14 15	0 22	16 43	3 20	19 33	1 5	15 49	0 41	22 32	0 48	18 17	0 13	8 57	1 0	4 42	16 27	0 25	0 42	18 3	14 51	1 52
S 12	3 28	8 49	2 29	14 9	0 33	17 7	3 26	19 39	1 4	15 45	0 41	22 31	0 48	18 18	0 13	8 57	1 0	4 41	16 27	0 25	0 41	18 3	14 50	1 53
M13	3 5	12 1	3 25	14 1	0 43	17 30	3 31	19 44	1 3	15 41	0 41	22 31	0 48	18 18	0 13	8 58	1 0	4 41	16 27	0 25	0 40	18 3	14 49	1 53
T 14	2 41	14 38	4 12	13 51	0 53	17 53	3 37	19 49	1 2	15 37	0 41	22 31	0 48	18 19	0 13	8 58	1 0	4 40	16 27	0 26	0 38	18 4	14 48	1 54
W15	2 18	16 34	4 46	13 40	1 2	18 15	3 43	19 53	1 2	15 33	0 41	22 31	0 48	18 19	0 13	8 59	1 0	4 40	16 27	0 26	0 37	18 4	14 47	1 54
T 16	1 54	17 47	5 8	13 27	1 11	18 37	3 49	19 58	1 1	15 29	0 42	22 31	0 49	18 20	0 13	9 0	1 0	4 39	16 26	0 26	0 36	18 4	14 46	1 55
F 17	1 30	18 12	5 17	13 13	1 19	18 59	3 55	20 3	1 0	15 25	0 42	22 31	0 49	18 21	0 13	9 0	1 0	4 38	16 26	0 26	0 35	18 5	14 45	1 55
S 18	1 7	17 50	5 12	12 57	1 27	19 20	4 0	20 7	0 59	15 21	0 42	22 30	0 49	18 21	0 13	9 1	1 0	4 38	16 26	0 26	0 33	18 5	14 44	1 56
S 19	0 43	16 39	4 54	12 39	1 34	19 40	4 6	20 12	0 58	15 17	0 42	22 30	0 49	18 22	0 13	9 1	1 0	4 37	16 26	0 26	0 32	18 5	14 43	1 56
M20	0 19	14 41	4 22	12 20	1 41	20 0	4 12	20 16	0 57	15 13	0 42	22 30	0 49	18 22	0 13	9 2	1 0	4 37	16 26	0 26	0 31	18 6	14 42	1 57
T 21	0n 4	12 0	3 36	12 0	1 48	20 20	4 17	20 21	0 55	15 9	0 42	22 30	0 49	18 23	0 13	9 3	1 0	4 36	16 25	0 26	0 29	18 6	14 41	1 57
W22	0 28	8 40	2 39	11 38	1 54	20 39	4 23	20 25	0 54	15 5	0 42	22 30	0 49	18 24	0 13	9 3	1 0	4 36	16 25	0 26	0 28	18 6	14 40	1 58
T 23	0 52	4 50	1 33	11 15	1 59	20 58	4 28	20 29	0 53	15 1	0 43	22 30	0 49	18 24	0 13	9 4	1 0	4 35	16 25	0 26	0 27	18 6	14 39	1 58
F 24	1 15	0 39	0 19	10 50	2 4	21 16	4 33	20 33	0 52	14 57	0 43	22 30	0 49	18 25	0 13	9 4	1 0	4 34	16 25	0 26	0 26	18 7	14 38	1 59
S 25	1 39	3s39	0n57	10 24	2 9	21 33	4 39	20 37	0 51	14 53	0 43	22 29	0 49	18 26	0 13	9 5	1 0	4 34	16 25	0 26	0 24	18 7	14 36	1 59
S 26	2 2	7 50	2 11	9 57	2 13	21 51	4 44	20 41	0 50	14 49	0 43	22 29	0 49	18 26	0 13	9 5	1 0	4 33	16 25	0 26	0 23	18 7	14 35	2 0
M27	2 26	11 37	3 18	9 28	2 16	22 7	4 49	20 45	0 48	14 46	0 43	22 29	0 49	18 27	0 13	9 6	1 0	4 33	16 24	0 25	0 22	18 8	14 34	2 0
T 28	2 49	14 44	4 13	8 58	2 19	22 23	4 54	20 49	0 47	14 42	0 43	22 29	0 49	18 28	0 13	9 7	1 0	4 32	16 24	0 25	0 21	18 8	14 33	2 1
W29	3 13	16 57	4 53	8 27	2 22	22 39	4 59	20 53	0 46	14 38	0 44	22 29	0 49	18 28	0 13	9 7	1 0	4 32	16 24	0 25	0 19	18 8	14 31	2 1
T 30	3 36	18 4	5 14	7 54	2 24	22 53	5 4	20 56	0 44	14 34	0 44	22 29	0 49	18 29	0 13	9 8	1 0	4 31	16 24	0 25	0 18	18 8	14 30	2 1
F 31	3n59	18s 3	5n15	7s21	2s26	23n 8	5n 8	21s 0	0n43	14s30	0s44	22s29	0n49	18n30	0s13	9n 8	1n 0	4s30	16s24	0s25	0s17	18n 9	14s29	2n 2

Julian Day Number = 2307698.5, Delta T = 81.06 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'37, Lahiri = 18°21'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

APRIL 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 36 24	11♈ 1'45	21♑12	18♓38	22♉ 5	8♐21	23♒23	7♑16	23♉36	8°R59	28♈10	1♎ 2	0♎39	21♊36	15°R 7	S 1
S 2	12 40 20	12° 0'44	5♒10	20°11	22°39	8°33	23°35	7°18	23°38	8♍58	28°11	1° 2	0°36	21°43	15♏ 4	S 2
M 3	12 44 17	12°59'42	18°55	21°46	23°11	8°46	23°47	7°19	23°41	8°57	28°13	1° 3	0°33	21°50	15° 0	M 3
T 4	12 48 13	13°58'37	2♓29	23°23	23°42	8°57	23°59	7°21	23°44	8°55	28°14	1° 4	0°29	21°56	14°57	T 4
W 5	12 52 10	14°57'30	15°51	25° 1	24°12	9° 9	24°10	7°22	23°47	8°54	28°15	1° 5	0°26	22° 3	14°53	W 5
T 6	12 56 6	15°56'22	28°59	26°41	24°40	9°19	24°22	7°23	23°50	8°53	28°17	1°R 6	0°23	22°10	14°50	T 6
F 7	13 0 3	16°55'12	11♈54	28°22	25° 6	9°29	24°33	7°24	23°53	8°51	28°18	1° 5	0°20	22°17	14°46	F 7
S 8	13 3 59	17°53'59	24°36	0♈ 5	25°30	9°39	24°44	7°25	23°56	8°50	28°20	1° 4	0°17	22°23	14°42	S 8
S 9	13 7 56	18°52'45	7♉ 5	1°50	25°53	9°47	24°55	7°26	23°59	8°49	28°21	1° 2	0°14	22°30	14°39	S 9
M10	13 11 53	19°51'29	19°22	3°36	26°14	9°56	25° 7	7°26	24° 2	8°48	28°22	1° 0	0°10	22°37	14°35	M10
T 11	13 15 49	20°50'10	1♊29	5°23	26°33	10° 3	25°18	7°27	24° 5	8°47	28°24	0°56	0° 7	22°44	14°31	T 11
W12	13 19 46	21°48'50	13°27	7°12	26°50	10°10	25°28	7°27	24° 8	8°45	28°25	0°53	0° 4	22°50	14°27	W12
T 13	13 23 42	22°47'27	25°21	9° 3	27° 5	10°16	25°39	7°28	24°11	8°44	28°26	0°50	0° 1	22°57	14°23	T 13
F 14	13 27 39	23°46'02	7♋13	10°56	27°18	10°22	25°50	7°28	24°14	8°43	28°28	0°48	29♍58	23° 4	14°19	F 14
S 15	13 31 35	24°44'35	19° 8	12°49	27°29	10°27	26° 1	7°28	24°17	8°42	28°29	0°47	29°54	23°10	14°15	S 15
S 16	13 35 32	25°43'05	1♌11	14°45	27°37	10°31	26°11	7°28	24°20	8°41	28°30	0°D47	29°51	23°17	14°11	S 16
M17	13 39 28	26°41'34	13°26	16°42	27°44	10°35	26°21	7°R28	24°24	8°40	28°32	0°48	29°48	23°24	14° 6	M17
T 18	13 43 25	27°40'00	25°57	18°41	27°48	10°38	26°32	7°28	24°27	8°39	28°33	0°50	29°45	23°31	14° 2	T 18
W19	13 47 22	28°38'24	8♍49	20°41	27°R50	10°40	26°42	7°28	24°30	8°38	28°35	0°51	29°42	23°37	13°58	W19
T 20	13 51 18	29°36'46	22° 5	22°43	27°49	10°41	26°52	7°28	24°33	8°37	28°36	0°52	29°39	23°44	13°54	T 20
F 21	13 55 15	0♉35'06	5♎46	24°46	27°46	10°42	27° 2	7°27	24°37	8°36	28°37	0°R53	29°35	23°51	13°49	F 21
S 22	13 59 11	1°33'24	19°50	26°50	27°40	10°R42	27°12	7°27	24°40	8°36	28°39	0°51	29°32	23°57	13°45	S 22
S 23	14 3 8	2°31'40	4♏16	28°56	27°32	10°41	27°21	7°26	24°43	8°35	28°40	0°49	29°29	24° 4	13°40	S 23
M24	14 7 4	3°29'55	18°57	1♉ 3	27°22	10°40	27°31	7°26	24°46	8°34	28°42	0°45	29°26	24°11	13°36	M24
T 25	14 11 1	4°28'07	3♐47	3°11	27° 9	10°37	27°41	7°25	24°50	8°33	28°43	0°40	29°23	24°18	13°32	T 25
W26	14 14 57	5°26'18	18°36	5°19	26°54	10°35	27°50	7°24	24°53	8°32	28°44	0°35	29°19	24°24	13°27	W26
T 27	14 18 54	6°24'28	3♑19	7°29	26°36	10°31	27°59	7°23	24°56	8°32	28°46	0°31	29°16	24°31	13°23	T 27
F 28	14 22 51	7°22'36	17°47	9°38	26°16	10°26	28° 8	7°22	25° 0	8°31	28°47	0°28	29°13	24°38	13°18	F 28
S 29	14 26 47	8°20'43	1♒59	11°48	25°54	10°21	28°17	7°21	25° 3	8°30	28°48	0°26	29°10	24°45	13°13	S 29
S 30	14 30 44	9♉18'48	15♒52	13♉58	25♉29	10♐15	28♒26	7♑20	25♉ 7	8♍30	28♈50	0°D26	29♍ 7	24♊51	13♏ 9	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n22	16s55	4n57	6s46	2s27	23n21	5n13	21s 4	0n41	14s27	0s44	22s29	0n49	18n30	0s13	9n 9	1n 0	4s30	16s24	0s25	0s16	18n 9	14s27	2n 2
S 2	4 45	14 46	4 22	6 9	2 27	23 34	5 17	21 7	0 40	14 23	0 44	22 29	0 49	18 31	0 13	9 9	1 0	4 29	16 24	0 25	0 14	18 9	14 26	2 3
M 3	5 9	11 49	3 33	5 32	2 28	23 47	5 21	21 11	0 38	14 19	0 44	22 29	0 49	18 32	0 13	9 10	1 0	4 29	16 24	0 25	0 13	18 10	14 24	2 3
T 4	5 31	8 15	2 32	4 53	2 27	23 59	5 25	21 14	0 37	14 15	0 45	22 29	0 49	18 33	0 13	9 10	1 0	4 28	16 24	0 26	0 12	18 10	14 23	2 4
W 5	5 54	4 19	1 23	4 13	2 26	24 10	5 29	21 17	0 35	14 12	0 45	22 28	0 49	18 33	0 12	9 11	1 0	4 28	16 23	0 26	0 10	18 10	14 21	2 4
T 6	6 17	0 14	0 12	3 32	2 25	24 20	5 33	21 20	0 34	14 8	0 45	22 28	0 49	18 34	0 12	9 11	1 0	4 27	16 23	0 26	0 9	18 10	14 20	2 5
F 7	6 40	3n48	0s59	2 50	2 23	24 30	5 36	21 24	0 32	14 4	0 45	22 28	0 49	18 35	0 12	9 11	1 0	4 27	16 23	0 26	0 8	18 11	14 18	2 5
S 8	7 2	7 36	2 6	2 7	2 21	24 39	5 39	21 27	0 30	14 1	0 45	22 28	0 49	18 36	0 12	9 12	1 0	4 26	16 23	0 26	0 7	18 11	14 17	2 6
S 9	7 25	10 59	3 6	1 23	2 18	24 48	5 42	21 30	0 28	13 57	0 46	22 28	0 49	18 36	0 12	9 12	1 0	4 25	16 23	0 25	0 5	18 11	14 15	2 6
M10	7 47	13 49	3 56	0 37	2 14	24 56	5 45	21 33	0 26	13 54	0 46	22 28	0 49	18 37	0 12	9 13	1 0	4 25	16 23	0 24	0 4	18 11	14 14	2 6
T 11	8 9	16 1	4 34	0n 9	2 11	25 3	5 47	21 36	0 25	13 50	0 46	22 28	0 49	18 38	0 12	9 13	1 0	4 24	16 23	0 22	0 3	18 12	14 12	2 7
W12	8 31	17 30	5 0	0 56	2 6	25 9	5 49	21 39	0 23	13 47	0 46	22 28	0 49	18 39	0 12	9 14	1 0	4 24	16 23	0 21	0 2	18 12	14 11	2 7
T 13	8 53	18 12	5 13	1 44	2 1	25 14	5 51	21 42	0 21	13 43	0 46	22 28	0 49	18 39	0 12	9 14	1 0	4 23	16 23	0 20	0 0	18 12	14 9	2 8
F 14	9 15	18 5	5 12	2 33	1 56	25 19	5 53	21 44	0 19	13 40	0 46	22 28	0 49	18 40	0 12	9 14	1 0	4 23	16 23	0 19	0n 1	18 12	14 8	2 8
S 15	9 36	17 11	4 59	3 23	1 50	25 22	5 54	21 47	0 17	13 36	0 47	22 28	0 49	18 41	0 12	9 15	1 0	4 22	16 23	0 19	0 2	18 12	14 6	2 9
S 16	9 58	15 31	4 31	4 14	1 43	25 25	5 55	21 50	0 15	13 33	0 47	22 28	0 49	18 42	0 12	9 15	1 0	4 22	16 23	0 19	0 3	18 13	14 4	2 9
M17	10 19	13 7	3 52	5 6	1 36	25 27	5 55	21 52	0 12	13 30	0 47	22 28	0 49	18 42	0 12	9 16	1 0	4 21	16 23	0 19	0 5	18 13	14 3	2 9
T 18	10 40	10 4	3 0	5 58	1 29	25 28	5 55	21 55	0 10	13 26	0 47	22 28	0 49	18 43	0 12	9 16	1 0	4 21	16 23	0 20	0 6	18 13	14 1	2 10
W19	11 1	6 27	1 58	6 50	1 21	25 28	5 54	21 58	0 8	13 23	0 47	22 28	0 49	18 44	0 12	9 16	1 0	4 20	16 23	0 20	0 7	18 13	13 59	2 10
T 20	11 21	2 25	0 48	7 43	1 13	25 27	5 54	22 0	0 6	13 20	0 48	22 28	0 49	18 45	0 12	9 17	1 0	4 20	16 23	0 21	0 9	18 14	13 58	2 11
F 21	11 42	1s53	0n27	8 37	1 4	25 25	5 52	22 3	0 3	13 17	0 48	22 28	0 49	18 46	0 12	9 17	1 0	4 19	16 23	0 21	0 10	18 14	13 56	2 11
S 22	12 2	6 12	1 42	9 31	0 55	25 22	5 50	22 5	0 1	13 13	0 48	22 28	0 49	18 47	0 12	9 17	1 0	4 19	16 23	0 21	0 11	18 14	13 54	2 11
S 23	12 23	10 16	2 52	10 24	0 46	25 17	5 48	22 7	0s 2	13 10	0 48	22 28	0 49	18 47	0 12	9 18	1 0	4 19	16 23	0 19	0 12	18 14	13 53	2 12
M24	12 42	13 46	3 53	11 18	0 36	25 12	5 45	22 10	0 4	13 7	0 49	22 28	0 49	18 48	0 12	9 18	1 0	4 18	16 23	0 18	0 14	18 14	13 51	2 12
T 25	13 2	16 24	4 38	12 12	0 26	25 6	5 41	22 12	0 7	13 4	0 49	22 28	0 49	18 49	0 12	9 18	1 0	4 18	16 23	0 16	0 15	18 15	13 49	2 13
W26	13 22	17 56	5 4	13 5	0 15	24 58	5 37	22 14	0 9	13 1	0 49	22 28	0 49	18 50	0 12	9 18	1 0	4 17	16 23	0 14	0 16	18 15	13 48	2 13
T 27	13 41	18 16	5 11	13 57	0 5	24 49	5 32	22 16	0 12	12 58	0 49	22 28	0 49	18 51	0 12	9 19	1 0	4 17	16 23	0 12	0 17	18 15	13 46	2 13
F 28	14 0	17 23	4 57	14 49	0n 6	24 39	5 27	22 18	0 15	12 55	0 49	22 28	0 49	18 51	0 12	9 19	1 0	4 16	16 23	0 11	0 19	18 15	13 44	2 14
S 29	14 19	15 27	4 26	15 40	0 16	24 28	5 21	22 20	0 17	12 52	0 50	22 28	0 49	18 52	0 12	9 19	1 0	4 16	16 23	0 11	0 20	18 15	13 43	2 14
S 30	14n38	12s38	3n39	16n29	0n27	24n15	5n14	22s22	0s20	12s49	0s50	22s29	0n49	18n53	0s12	9n19	1n 0	4s15	16s23	0s11	0n21	18n16	13s41	2n14

Julian Day Number = 2307729.5, Delta T = 80.96 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'42, Lahiri = 18°21'42Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

MAY 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 34 40	10♉16'52	29♒25	16♉ 7	25°R 3	10°R 8	28♒35	7°R18	25♉10	8°R29	28♈51	0♎27	29♍ 4	24♊58	13°R 4	M 1
T 2	14 38 37	11°14'54	12♓42	18°16	24♉34	10♐ 1	28°44	7♑17	25°13	8♍28	28°52	0°29	29° 0	25° 5	13♏ 0	T 2
W 3	14 42 33	12°12'55	25°42	20°23	24° 4	9°52	28°52	7°15	25°17	8°28	28°54	0°R30	28°57	25°11	12°55	W 3
T 4	14 46 30	13°10'55	8♈29	22°30	23°32	9°43	29° 0	7°14	25°20	8°27	28°55	0°30	28°54	25°18	12°51	T 4
F 5	14 50 26	14° 8'53	21° 4	24°35	22°59	9°33	29° 9	7°12	25°24	8°27	28°56	0°28	28°51	25°25	12°46	F 5
S 6	14 54 23	15° 6'49	3♉29	26°38	22°24	9°23	29°17	7°10	25°27	8°26	28°58	0°23	28°48	25°32	12°42	S 6
S 7	14 58 19	16° 4'45	15°44	28°38	21°48	9°12	29°25	7° 8	25°31	8°26	28°59	0°17	28°45	25°38	12°37	S 7
M 8	15 2 16	17° 2'38	27°52	0♊37	21°12	9° 0	29°32	7° 7	25°34	8°26	29° 0	0° 9	28°41	25°45	12°32	M 8
T 9	15 6 13	18° 0'30	9♊53	2°33	20°35	8°47	29°40	7° 4	25°38	8°25	29° 2	0° 0	28°38	25°52	12°28	T 9
W10	15 10 9	18°58'21	21°48	4°27	19°57	8°34	29°48	7° 2	25°41	8°25	29° 3	29♍51	28°35	25°59	12°23	W10
T 11	15 14 6	19°56'10	3♋40	6°18	19°19	8°20	29°55	7° 0	25°45	8°25	29° 4	29°43	28°32	26° 5	12°19	T 11
F 12	15 18 2	20°53'57	15°32	8° 6	18°42	8° 5	0♓ 2	6°58	25°48	8°24	29° 6	29°36	28°29	26°12	12°14	F 12
S 13	15 21 59	21°51'43	27°26	9°50	18° 4	7°50	0° 9	6°55	25°52	8°24	29° 7	29°31	28°25	26°19	12°10	S 13
S 14	15 25 55	22°49'27	9♌27	11°32	17°28	7°34	0°16	6°53	25°55	8°24	29° 8	29°28	28°22	26°25	12° 6	S 14
M15	15 29 52	23°47'10	21°38	13°11	16°52	7°17	0°23	6°50	25°59	8°24	29°10	29°D26	28°19	26°32	12° 1	M15
T 16	15 33 49	24°44'50	4♍ 6	14°46	16°17	7° 0	0°30	6°48	26° 2	8°23	29°11	29°27	28°16	26°39	11°57	T 16
W17	15 37 45	25°42'30	16°55	16°18	15°43	6°43	0°36	6°45	26° 6	8°23	29°12	29°28	28°13	26°46	11°52	W17
T 18	15 41 42	26°40'07	0♎ 8	17°47	15°11	6°25	0°42	6°42	26° 9	8°23	29°13	29°R28	28°10	26°52	11°48	T 18
F 19	15 45 38	27°37'43	13°49	19°13	14°40	6° 7	0°49	6°39	26°13	8°23	29°15	29°27	28° 6	26°59	11°44	F 19
S 20	15 49 35	28°35'18	27°58	20°35	14°12	5°48	0°55	6°37	26°16	8°D23	29°16	29°24	28° 3	27° 6	11°40	S 20
S 21	15 53 31	29°32'51	12♏34	21°54	13°45	5°29	1° 0	6°34	26°20	8°23	29°17	29°19	28° 0	27°12	11°35	S 21
M22	15 57 28	0♊30'24	27°31	23° 9	13°20	5°10	1° 6	6°30	26°23	8°23	29°18	29°12	27°57	27°19	11°31	M22
T 23	16 1 24	1°27'55	12♐40	24°21	12°57	4°50	1°12	6°27	26°27	8°23	29°19	29° 3	27°54	27°26	11°27	T 23
W24	16 5 21	2°25'25	27°52	25°29	12°37	4°30	1°17	6°24	26°30	8°23	29°21	28°54	27°51	27°33	11°23	W24
T 25	16 9 18	3°22'54	12♑55	26°33	12°18	4°10	1°22	6°21	26°34	8°24	29°22	28°45	27°47	27°39	11°19	T 25
F 26	16 13 14	4°20'22	27°42	27°34	12° 3	3°50	1°27	6°18	26°37	8°24	29°23	28°39	27°44	27°46	11°15	F 26
S 27	16 17 11	5°17'49	12♒ 5	28°31	11°49	3°30	1°32	6°14	26°41	8°24	29°24	28°35	27°41	27°53	11°11	S 27
S 28	16 21 7	6°15'16	26° 3	29°24	11°38	3° 9	1°37	6°11	26°44	8°24	29°25	28°33	27°38	28° 0	11° 8	S 28
M29	16 25 4	7°12'41	9♓36	0♋13	11°30	2°49	1°41	6° 7	26°48	8°25	29°26	28°D32	27°35	28° 6	11° 4	M29
T 30	16 29 0	8°10'07	22°45	0°58	11°24	2°29	1°46	6° 4	26°51	8°25	29°28	28°R32	27°31	28°13	11° 0	T 30
W31	16 32 57	9♊ 7'31	5♈35	1♋39	11♉20	2♐ 8	1♓50	6♑ 0	26♉55	8♍25	29♈29	28♍32	27♍28	28♊20	10♏56	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14n56	9s11	2n41	17n18	0n38	24n 1	5n 7	22s24	0s23	12s46	0s50	22s29	0n49	18n54	0s12	9n20	1n 0	4s15	16s23	0s11	0n22	18n16	13s39	2n15
T 2	15 14	5 21	1 35	18 4	0 48	23 47	4 59	22 26	0 26	12 44	0 50	22 29	0 49	18 55	0 12	9 20	1 0	4 15	16 23	0 11	0 24	18 16	13 38	2 15
W 3	15 32	1 19	0 26	18 49	0 58	23 31	4 50	22 27	0 29	12 41	0 51	22 29	0 49	18 56	0 12	9 20	1 0	4 14	16 23	0 12	0 25	18 16	13 36	2 15
T 4	15 50	2n43	0s43	19 31	1 8	23 13	4 41	22 29	0 32	12 38	0 51	22 29	0 49	18 56	0 12	9 20	0 59	4 14	16 23	0 12	0 26	18 16	13 34	2 16
F 5	16 7	6 33	1 49	20 12	1 17	22 55	4 31	22 30	0 35	12 35	0 51	22 29	0 49	18 57	0 12	9 20	0 59	4 13	16 23	0 11	0 28	18 17	13 33	2 16
S 6	16 24	10 3	2 49	20 50	1 26	22 36	4 20	22 32	0 38	12 33	0 51	22 29	0 49	18 58	0 12	9 20	0 59	4 13	16 23	0 9	0 29	18 17	13 31	2 16
S 7	16 41	13 5	3 40	21 26	1 34	22 16	4 9	22 33	0 41	12 30	0 51	22 29	0 49	18 59	0 12	9 21	0 59	4 13	16 23	0 7	0 30	18 17	13 29	2 17
M 8	16 58	15 30	4 20	21 59	1 42	21 55	3 58	22 34	0 44	12 28	0 52	22 29	0 49	19 0	0 12	9 21	0 59	4 12	16 23	0 4	0 31	18 17	13 28	2 17
T 9	17 14	17 14	4 48	22 30	1 49	21 33	3 46	22 36	0 48	12 25	0 52	22 29	0 49	19 1	0 12	9 21	0 59	4 12	16 23	0 0	0 33	18 17	13 26	2 17
W10	17 30	18 11	5 4	22 58	1 56	21 11	3 33	22 37	0 51	12 23	0 52	22 30	0 49	19 1	0 12	9 21	0 59	4 12	16 23	0n 3	0 34	18 17	13 24	2 17
T 11	17 46	18 21	5 6	23 24	2 1	20 48	3 20	22 38	0 54	12 21	0 52	22 30	0 48	19 2	0 12	9 21	0 59	4 11	16 24	0 7	0 35	18 17	13 23	2 18
F 12	18 1	17 42	4 55	23 47	2 6	20 25	3 7	22 39	0 57	12 18	0 53	22 30	0 48	19 3	0 12	9 21	0 59	4 11	16 24	0 10	0 36	18 18	13 21	2 18
S 13	18 16	16 17	4 31	24 7	2 10	20 1	2 53	22 39	1 1	12 16	0 53	22 30	0 48	19 4	0 12	9 21	0 59	4 11	16 24	0 12	0 38	18 18	13 19	2 18
S 14	18 31	14 8	3 55	24 25	2 14	19 37	2 39	22 40	1 4	12 14	0 53	22 30	0 48	19 5	0 12	9 21	0 59	4 10	16 24	0 13	0 39	18 18	13 18	2 19
M15	18 45	11 21	3 9	24 41	2 17	19 13	2 25	22 41	1 7	12 12	0 53	22 30	0 48	19 6	0 12	9 21	0 59	4 10	16 24	0 13	0 40	18 18	13 16	2 19
T 16	19 0	7 59	2 12	24 54	2 18	18 50	2 11	22 41	1 11	12 9	0 54	22 30	0 48	19 6	0 12	9 21	0 59	4 10	16 24	0 13	0 41	18 18	13 15	2 19
W17	19 13	4 9	1 7	25 5	2 19	18 26	1 56	22 42	1 14	12 7	0 54	22 31	0 48	19 7	0 12	9 21	0 59	4 9	16 24	0 13	0 43	18 18	13 13	2 19
T 18	19 27	0 0	0n 4	25 14	2 19	18 3	1 42	22 42	1 18	12 5	0 54	22 31	0 48	19 8	0 12	9 21	0 59	4 9	16 24	0 13	0 44	18 18	13 11	2 20
F 19	19 40	4s18	1 16	25 21	2 19	17 40	1 28	22 42	1 21	12 3	0 54	22 31	0 48	19 9	0 12	9 21	0 59	4 9	16 25	0 13	0 45	18 19	13 10	2 20
S 20	19 53	8 30	2 26	25 26	2 17	17 18	1 14	22 42	1 24	12 2	0 55	22 31	0 48	19 10	0 12	9 21	0 59	4 9	16 25	0 14	0 47	18 19	13 8	2 20
S 21	20 6	12 19	3 29	25 29	2 15	16 57	1 0	22 42	1 28	12 0	0 55	22 31	0 48	19 11	0 12	9 21	0 59	4 8	16 25	0 16	0 48	18 19	13 7	2 20
M22	20 18	15 26	4 19	25 30	2 12	16 36	0 46	22 42	1 31	11 58	0 55	22 31	0 48	19 11	0 12	9 21	0 59	4 8	16 25	0 19	0 49	18 19	13 5	2 21
T 23	20 30	17 33	4 51	25 29	2 7	16 16	0 32	22 42	1 34	11 56	0 55	22 32	0 48	19 12	0 12	9 21	0 59	4 8	16 25	0 23	0 50	18 19	13 4	2 21
W24	20 41	18 25	5 3	25 27	2 3	15 57	0 19	22 41	1 38	11 55	0 56	22 32	0 48	19 13	0 12	9 21	0 59	4 8	16 25	0 26	0 52	18 19	13 2	2 21
T 25	20 52	17 58	4 54	25 23	1 57	15 39	0 6	22 41	1 41	11 53	0 56	22 32	0 48	19 14	0 12	9 21	0 59	4 7	16 25	0 30	0 53	18 19	13 1	2 21
F 26	21 3	16 19	4 26	25 18	1 50	15 22	0s 7	22 40	1 44	11 51	0 56	22 32	0 48	19 15	0 12	9 21	0 59	4 7	16 26	0 32	0 54	18 19	13 0	2 21
S 27	21 14	13 40	3 41	25 11	1 43	15 6	0 20	22 40	1 48	11 50	0 57	22 32	0 48	19 16	0 12	9 21	0 59	4 7	16 26	0 34	0 55	18 20	12 58	2 22
S 28	21 24	10 18	2 44	25 4	1 34	14 51	0 32	22 39	1 51	11 48	0 57	22 33	0 48	19 16	0 12	9 21	0 59	4 7	16 26	0 35	0 57	18 20	12 57	2 22
M29	21 33	6 28	1 39	24 54	1 25	14 38	0 43	22 38	1 54	11 47	0 57	22 33	0 48	19 17	0 12	9 21	0 59	4 6	16 26	0 35	0 58	18 20	12 56	2 22
T 30	21 43	2 25	0 31	24 44	1 15	14 25	0 55	22 37	1 57	11 46	0 57	22 33	0 48	19 18	0 12	9 20	0 59	4 6	16 26	0 35	0 59	18 20	12 54	2 22
W31	21n52	1n39	0s37	24n33	1n 5	14n13	1s 6	22s36	2s 1	11s45	0s58	22s33	0n48	19n19	0s12	9n20	0n59	4s 6	16s27	0n35	1n 0	18n20	12s53	2n22

Julian Day Number = 2307759.5, Delta T = 80.86 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'46, Lahiri = 18°21'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

JUNE 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 36 53	10♊ 4'55	18♈ 9	2♋16	11°D19	1°R48	1♓54	5°R56	26♉58	8♍26	29♈30	28°R31	27♍25	28♊26	10°R53	T 1
F 2	16 40 50	11° 2'18	0♉30	2°49	11♉20	1♐28	1°58	5♑52	27° 1	8°26	29°31	28♍27	27°22	28°33	10♏49	F 2
S 3	16 44 46	11°59'41	12°42	3°17	11°23	1° 8	2° 1	5°49	27° 5	8°26	29°32	28°20	27°19	28°40	10°46	S 3
S 4	16 48 43	12°57'03	24°46	3°41	11°29	0°49	2° 5	5°45	27° 8	8°27	29°33	28°11	27°16	28°47	10°42	S 4
M 5	16 52 40	13°54'24	6♊45	4° 1	11°37	0°29	2° 8	5°41	27°12	8°27	29°34	27°59	27°12	28°53	10°39	M 5
T 6	16 56 36	14°51'45	18°40	4°16	11°47	0°10	2°11	5°37	27°15	8°28	29°35	27°46	27° 9	29° 0	10°36	T 6
W 7	17 0 33	15°49'04	0♋33	4°26	11°59	29♏52	2°14	5°33	27°18	8°29	29°36	27°32	27° 6	29° 7	10°33	W 7
T 8	17 4 29	16°46'24	12°24	4°32	12°13	29°34	2°17	5°29	27°22	8°29	29°37	27°20	27° 3	29°14	10°30	T 8
F 9	17 8 26	17°43'42	24°17	4°R33	12°29	29°16	2°19	5°25	27°25	8°30	29°38	27° 8	27° 0	29°20	10°27	F 9
S 10	17 12 22	18°40'59	6♌12	4°30	12°46	28°59	2°21	5°21	27°28	8°30	29°39	27° 0	26°57	29°27	10°24	S 10
S 11	17 16 19	19°38'16	18°14	4°22	13° 6	28°42	2°24	5°17	27°32	8°31	29°40	26°54	26°53	29°34	10°21	S 11
M12	17 20 16	20°35'32	0♍25	4°10	13°28	28°27	2°26	5°13	27°35	8°32	29°41	26°51	26°50	29°40	10°18	M12
T 13	17 24 12	21°32'47	12°51	3°54	13°51	28°11	2°27	5° 8	27°38	8°33	29°42	26°50	26°47	29°47	10°16	T 13
W14	17 28 9	22°30'02	25°36	3°34	14°16	27°56	2°29	5° 4	27°42	8°33	29°43	26°50	26°44	29°54	10°13	W14
T 15	17 32 5	23°27'15	8♎44	3°11	14°42	27°42	2°30	5° 0	27°45	8°34	29°44	26°49	26°41	0♋ 1	10°11	T 15
F 16	17 36 2	24°24'28	22°19	2°44	15°10	27°29	2°32	4°56	27°48	8°35	29°45	26°48	26°37	0° 7	10° 8	F 16
S 17	17 39 58	25°21'41	6♏23	2°15	15°39	27°16	2°33	4°51	27°51	8°36	29°45	26°44	26°34	0°14	10° 6	S 17
S 18	17 43 55	26°18'52	20°56	1°43	16°10	27° 5	2°33	4°47	27°55	8°37	29°46	26°38	26°31	0°21	10° 4	S 18
M19	17 47 51	27°16'03	5♐53	1°10	16°43	26°53	2°34	4°43	27°58	8°38	29°47	26°30	26°28	0°27	10° 1	M19
T 20	17 51 48	28°13'14	21° 8	0°35	17°16	26°43	2°34	4°38	28° 1	8°39	29°48	26°19	26°25	0°34	9°59	T 20
W21	17 55 45	29°10'25	6♑28	29♊59	17°51	26°34	2°35	4°34	28° 4	8°40	29°49	26° 9	26°22	0°41	9°57	W21
T 22	17 59 41	0♋ 7'35	21°43	29°24	18°27	26°25	2°R35	4°29	28° 7	8°41	29°50	25°59	26°18	0°48	9°56	T 22
F 23	18 3 38	1° 4'46	6♒42	28°50	19° 4	26°17	2°35	4°25	28°10	8°42	29°50	25°51	26°15	0°54	9°54	F 23
S 24	18 7 34	2° 1'56	21°18	28°16	19°43	26°10	2°34	4°21	28°13	8°43	29°51	25°45	26°12	1° 1	9°52	S 24
S 25	18 11 31	2°59'06	5♓25	27°44	20°23	26° 3	2°34	4°16	28°16	8°44	29°52	25°42	26° 9	1° 8	9°51	S 25
M26	18 15 27	3°56'16	19° 4	27°14	21° 3	25°58	2°33	4°12	28°19	8°45	29°53	25°41	26° 6	1°15	9°49	M26
T 27	18 19 24	4°53'27	2♈16	26°47	21°45	25°53	2°32	4° 7	28°22	8°46	29°53	25°41	26° 2	1°21	9°48	T 27
W28	18 23 20	5°50'38	15° 4	26°24	22°27	25°49	2°31	4° 3	28°25	8°48	29°54	25°41	25°59	1°28	9°47	W28
T 29	18 27 17	6°47'49	27°34	26° 4	23°11	25°46	2°30	3°59	28°28	8°49	29°55	25°39	25°56	1°35	9°45	T 29
F 30	18 31 14	7♋45'01	9♉49	25♊48	23♉56	25♏44	2♓28	3♑54	28♉31	8♍50	29♈55	25♍36	25♍53	1♋41	9♏44	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 0	5n34	1s42	24n21	0n53	14n 3	1s16	22s35	2s 4	11s43	0s58	22s33	0n48	19n20	0s12	9n20	0n59	4s 6	16s27	0n36	1n 2	18n20	12s52	2n23
F 2	22 9	9 10	2 41	24 8	0 41	13 54	1 26	22 34	2 7	11 42	0 58	22 34	0 48	19 20	0 12	9 20	0 59	4 6	16 27	0 37	1 3	18 20	12 50	2 23
S 3	22 16	12 19	3 31	23 55	0 28	13 46	1 36	22 33	2 10	11 41	0 59	22 34	0 48	19 21	0 12	9 20	0 59	4 6	16 27	0 40	1 4	18 20	12 49	2 23
S 4	22 24	14 56	4 12	23 41	0 14	13 38	1 45	22 31	2 13	11 40	0 59	22 34	0 48	19 22	0 12	9 20	0 59	4 5	16 27	0 44	1 6	18 20	12 48	2 23
M 5	22 31	16 53	4 40	23 26	0 0	13 32	1 54	22 30	2 16	11 39	0 59	22 34	0 48	19 23	0 12	9 19	0 59	4 5	16 28	0 48	1 7	18 20	12 47	2 23
T 6	22 38	18 5	4 57	23 10	0s15	13 27	2 2	22 29	2 18	11 38	0 59	22 35	0 48	19 24	0 12	9 19	0 59	4 5	16 28	0 53	1 8	18 20	12 46	2 23
W 7	22 44	18 29	5 0	22 55	0 30	13 23	2 10	22 28	2 21	11 38	1 0	22 35	0 48	19 24	0 12	9 19	0 59	4 5	16 28	0 59	1 9	18 21	12 45	2 24
T 8	22 50	18 6	4 50	22 39	0 46	13 20	2 18	22 26	2 24	11 37	1 0	22 35	0 48	19 25	0 12	9 19	0 59	4 5	16 28	1 4	1 11	18 21	12 43	2 24
F 9	22 55	16 54	4 28	22 22	1 2	13 18	2 25	22 25	2 26	11 36	1 0	22 35	0 47	19 26	0 12	9 18	0 59	4 5	16 29	1 8	1 12	18 21	12 42	2 24
S 10	23 0	14 59	3 54	22 6	1 19	13 17	2 32	22 24	2 29	11 36	1 0	22 35	0 47	19 27	0 12	9 18	0 59	4 5	16 29	1 12	1 13	18 21	12 41	2 24
S 11	23 5	12 24	3 9	21 50	1 35	13 17	2 39	22 22	2 31	11 35	1 1	22 36	0 47	19 27	0 12	9 18	0 59	4 5	16 29	1 14	1 14	18 21	12 40	2 24
M12	23 9	9 15	2 15	21 33	1 52	13 17	2 45	22 21	2 34	11 35	1 1	22 36	0 47	19 28	0 12	9 18	0 59	4 4	16 29	1 15	1 16	18 21	12 39	2 24
T 13	23 13	5 37	1 13	21 17	2 9	13 19	2 51	22 20	2 36	11 34	1 1	22 36	0 47	19 29	0 12	9 17	0 59	4 4	16 30	1 16	1 17	18 21	12 38	2 24
W14	23 16	1 39	0 7	21 1	2 25	13 21	2 56	22 19	2 38	11 34	1 2	22 36	0 47	19 30	0 12	9 17	0 59	4 4	16 30	1 16	1 18	18 21	12 37	2 25
T 15	23 20	2s31	1n 3	20 45	2 42	13 24	3 1	22 18	2 40	11 34	1 2	22 37	0 47	19 30	0 12	9 17	0 59	4 4	16 30	1 16	1 19	18 21	12 37	2 25
F 16	23 22	6 41	2 10	20 30	2 57	13 27	3 6	22 17	2 43	11 34	1 2	22 37	0 47	19 31	0 12	9 16	0 59	4 4	16 30	1 17	1 21	18 21	12 36	2 25
S 17	23 24	10 39	3 13	20 16	3 12	13 31	3 10	22 16	2 45	11 34	1 3	22 37	0 47	19 32	0 12	9 16	0 58	4 4	16 31	1 18	1 22	18 21	12 35	2 25
S 18	23 26	14 5	4 5	20 2	3 27	13 36	3 15	22 15	2 47	11 34	1 3	22 37	0 47	19 33	0 12	9 16	0 58	4 4	16 31	1 20	1 23	18 21	12 34	2 25
M19	23 28	16 43	4 41	19 49	3 40	13 42	3 18	22 14	2 48	11 34	1 3	22 37	0 47	19 33	0 12	9 15	0 58	4 4	16 31	1 24	1 24	18 21	12 33	2 25
T 20	23 29	18 13	4 59	19 37	3 52	13 48	3 22	22 13	2 50	11 34	1 3	22 38	0 47	19 34	0 12	9 15	0 58	4 4	16 31	1 28	1 26	18 21	12 33	2 25
W21	23 29	18 25	4 56	19 26	4 4	13 54	3 25	22 13	2 52	11 34	1 4	22 38	0 47	19 35	0 12	9 14	0 58	4 4	16 32	1 32	1 27	18 21	12 32	2 25
T 22	23 29	17 16	4 31	19 16	4 14	14 1	3 28	22 12	2 54	11 34	1 4	22 38	0 47	19 35	0 12	9 14	0 58	4 4	16 32	1 36	1 28	18 21	12 31	2 25
F 23	23 29	14 57	3 48	19 7	4 22	14 8	3 31	22 12	2 55	11 35	1 4	22 38	0 47	19 36	0 12	9 14	0 58	4 4	16 32	1 39	1 30	18 21	12 31	2 25
S 24	23 28	11 44	2 51	19 0	4 29	14 16	3 33	22 12	2 57	11 35	1 5	22 39	0 46	19 37	0 12	9 13	0 58	4 4	16 32	1 42	1 31	18 21	12 30	2 26
S 25	23 27	7 55	1 45	18 54	4 35	14 25	3 36	22 11	2 58	11 35	1 5	22 39	0 46	19 37	0 12	9 13	0 58	4 4	16 33	1 43	1 32	18 21	12 30	2 26
M26	23 26	3 48	0 35	18 49	4 39	14 33	3 38	22 11	3 0	11 36	1 5	22 39	0 46	19 38	0 12	9 12	0 58	4 4	16 33	1 43	1 33	18 21	12 29	2 26
T 27	23 24	0n22	0s35	18 46	4 41	14 42	3 39	22 12	3 1	11 37	1 5	22 39	0 46	19 39	0 12	9 12	0 58	4 4	16 33	1 43	1 35	18 21	12 28	2 26
W28	23 22	4 24	1 41	18 44	4 42	14 52	3 41	22 12	3 2	11 37	1 6	22 39	0 46	19 39	0 12	9 11	0 58	4 4	16 34	1 43	1 36	18 21	12 28	2 26
T 29	23 19	8 8	2 40	18 44	4 41	15 1	3 42	22 12	3 3	11 38	1 6	22 40	0 46	19 40	0 12	9 11	0 58	4 4	16 34	1 44	1 37	18 21	12 28	2 26
F 30	23n16	11n27	3s31	18n46	4s39	15n11	3s43	22s13	3s 4	11s39	1s 6	22s40	0n46	19n41	0s12	9n10	0n58	4s 4	16s34	1n45	1n38	18n21	12s27	2n26

Julian Day Number = 2307790.5, Delta T = 80.76 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'50, Lahiri = 18°21'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

JULY 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 35 10	8♋42'12	21♉54	25°R37	24♉41	25°R42	2°R26	3°R50	28♉34	8♍51	29♈56	25°R29	25♍50	1♋48	9°R43	S 1
S 2	18 39 7	9°39'24	3♊51	25♊30	25°27	25°D42	2♓25	3♑45	28°37	8°53	29°56	25♍20	25°47	1°55	9♏43	S 2
M 3	18 43 3	10°36'37	15°45	25°D28	26°14	25♏42	2°22	3°41	28°40	8°54	29°57	25° 9	25°43	2° 2	9°42	M 3
T 4	18 47 0	11°33'49	27°37	25°31	27° 2	25°43	2°20	3°37	28°42	8°55	29°58	24°56	25°40	2° 8	9°41	T 4
W 5	18 50 56	12°31'02	9♋29	25°39	27°50	25°45	2°18	3°32	28°45	8°57	29°58	24°43	25°37	2°15	9°41	W 5
T 6	18 54 53	13°28'16	21°22	25°53	28°40	25°48	2°15	3°28	28°48	8°58	29°59	24°31	25°34	2°22	9°40	T 6
F 7	18 58 49	14°25'29	3♌19	26°12	29°30	25°52	2°12	3°24	28°51	9° 0	29°59	24°20	25°31	2°29	9°40	F 7
S 8	19 2 46	15°22'42	15°20	26°36	0♊20	25°56	2° 9	3°20	28°53	9° 1	29°59	24°12	25°28	2°35	9°40	S 8
S 9	19 6 43	16°19'56	27°27	27° 6	1°11	26° 1	2° 6	3°15	28°56	9° 2	0♉ 0	24° 6	25°24	2°42	9°39	S 9
M10	19 10 39	17°17'10	9♍44	27°40	2° 3	26° 7	2° 3	3°11	28°59	9° 4	0° 0	24° 3	25°21	2°49	9°D39	M10
T 11	19 14 36	18°14'24	22°14	28°21	2°56	26°14	1°59	3° 7	29° 1	9° 6	0° 1	24°D 2	25°18	2°55	9°40	T 11
W12	19 18 32	19°11'38	5♎ 0	29° 6	3°49	26°22	1°55	3° 3	29° 4	9° 7	0° 1	24° 2	25°15	3° 2	9°40	W12
T 13	19 22 29	20° 8'52	18° 6	29°57	4°42	26°30	1°51	2°59	29° 6	9° 9	0° 2	24°R 3	25°12	3° 9	9°40	T 13
F 14	19 26 25	21° 6'07	1♏36	0♋52	5°36	26°39	1°47	2°55	29° 9	9°10	0° 2	24° 2	25° 8	3°16	9°40	F 14
S 15	19 30 22	22° 3'21	15°31	1°53	6°31	26°49	1°43	2°50	29°11	9°12	0° 2	24° 0	25° 5	3°22	9°41	S 15
S 16	19 34 18	23° 0'37	29°53	2°59	7°26	27° 0	1°39	2°46	29°14	9°14	0° 3	23°56	25° 2	3°29	9°42	S 16
M17	19 38 15	23°57'52	14♐38	4°10	8°22	27°11	1°34	2°42	29°16	9°15	0° 3	23°49	24°59	3°36	9°42	M17
T 18	19 42 12	24°55'08	29°42	5°25	9°18	27°23	1°29	2°39	29°18	9°17	0° 3	23°41	24°56	3°42	9°43	T 18
W19	19 46 8	25°52'24	14♑55	6°45	10°14	27°36	1°24	2°35	29°21	9°19	0° 4	23°33	24°53	3°49	9°44	W19
T 20	19 50 5	26°49'41	0♒ 7	8°10	11°11	27°49	1°19	2°31	29°23	9°20	0° 4	23°25	24°49	3°56	9°45	T 20
F 21	19 54 1	27°46'59	15° 7	9°40	12° 9	28° 4	1°14	2°27	29°25	9°22	0° 4	23°19	24°46	4° 3	9°46	F 21
S 22	19 57 58	28°44'17	29°46	11°13	13° 7	28°18	1° 9	2°23	29°27	9°24	0° 4	23°14	24°43	4° 9	9°47	S 22
S 23	20 1 54	29°41'36	14♓ 0	12°51	14° 5	28°34	1° 3	2°20	29°29	9°26	0° 4	23°12	24°40	4°16	9°49	S 23
M24	20 5 51	0♌38'56	27°45	14°33	15° 4	28°50	0°58	2°16	29°31	9°27	0° 4	23°D12	24°37	4°23	9°50	M24
T 25	20 9 47	1°36'18	11♈ 3	16°18	16° 3	29° 6	0°52	2°13	29°33	9°29	0° 5	23°13	24°34	4°30	9°52	T 25
W26	20 13 44	2°33'40	23°55	18° 6	17° 2	29°23	0°46	2° 9	29°35	9°31	0° 5	23°14	24°30	4°36	9°53	W26
T 27	20 17 41	3°31'04	6♉27	19°58	18° 2	29°41	0°40	2° 6	29°37	9°33	0° 5	23°R14	24°27	4°43	9°55	T 27
F 28	20 21 37	4°28'28	18°42	21°53	19° 2	29°59	0°33	2° 2	29°39	9°35	0° 5	23°13	24°24	4°50	9°57	F 28
S 29	20 25 34	5°25'54	0♊45	23°49	20° 3	0♐19	0°27	1°59	29°41	9°37	0° 5	23°10	24°21	4°56	9°59	S 29
S 30	20 29 30	6°23'22	12°41	25°48	21° 4	0°38	0°21	1°56	29°43	9°39	0° 5	23° 5	24°18	5° 3	10° 1	S 30
M31	20 33 27	7♌20'50	24♊33	27♋49	22♊ 5	0♐58	0♓14	1♑52	29♉45	9♍41	0°R 5	22♍58	24♍14	5♋10	10♏ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n12	14n14	4s11	18n49	4s36	15n21	3s44	22s13	3s 5	11s40	1s 7	22s40	0n46	19n41	0s12	9n10	0n58	4s 4	16s34	1n48	1n40	18n21	12s27	2n26
S 2	23 8	16 22	4 40	18 53	4 31	15 31	3 45	22 14	3 6	11 41	1 7	22 40	0 46	19 42	0 12	9 9	0 58	4 5	16 35	1 51	1 41	18 21	12 27	2 26
M 3	23 4	17 48	4 57	18 59	4 25	15 42	3 45	22 15	3 7	11 42	1 7	22 41	0 46	19 43	0 12	9 9	0 58	4 5	16 35	1 56	1 42	18 21	12 26	2 26
T 4	22 59	18 28	5 0	19 6	4 18	15 52	3 46	22 16	3 8	11 43	1 7	22 41	0 46	19 43	0 12	9 8	0 58	4 5	16 35	2 1	1 43	18 21	12 26	2 26
W 5	22 54	18 18	4 51	19 15	4 10	16 3	3 46	22 18	3 9	11 44	1 8	22 41	0 45	19 44	0 12	9 8	0 58	4 5	16 36	2 6	1 45	18 21	12 26	2 26
T 6	22 48	17 21	4 29	19 24	4 1	16 14	3 46	22 19	3 10	11 45	1 8	22 41	0 45	19 44	0 12	9 7	0 58	4 5	16 36	2 11	1 46	18 21	12 26	2 26
F 7	22 42	15 39	3 55	19 35	3 51	16 25	3 45	22 21	3 10	11 46	1 8	22 41	0 45	19 45	0 12	9 7	0 58	4 5	16 36	2 15	1 47	18 21	12 25	2 26
S 8	22 36	13 14	3 10	19 46	3 40	16 36	3 45	22 22	3 11	11 48	1 9	22 42	0 45	19 46	0 12	9 6	0 58	4 5	16 37	2 19	1 48	18 21	12 25	2 26
S 9	22 29	10 15	2 16	19 58	3 29	16 47	3 44	22 24	3 12	11 49	1 9	22 42	0 45	19 46	0 12	9 6	0 58	4 5	16 37	2 21	1 50	18 21	12 25	2 26
M10	22 22	6 46	1 15	20 11	3 17	16 58	3 44	22 26	3 12	11 51	1 9	22 42	0 45	19 47	0 12	9 5	0 58	4 6	16 37	2 22	1 51	18 21	12 25	2 26
T 11	22 15	2 56	0 10	20 24	3 4	17 9	3 43	22 28	3 13	11 52	1 9	22 42	0 45	19 47	0 12	9 4	0 58	4 6	16 38	2 22	1 52	18 21	12 25	2 26
W12	22 7	1s 6	0n58	20 38	2 51	17 20	3 42	22 30	3 13	11 54	1 10	22 42	0 45	19 48	0 12	9 4	0 58	4 6	16 38	2 22	1 54	18 21	12 25	2 26
T 13	21 58	5 11	2 5	20 52	2 38	17 30	3 40	22 33	3 14	11 55	1 10	22 43	0 45	19 48	0 12	9 3	0 58	4 6	16 38	2 22	1 55	18 21	12 25	2 27
F 14	21 50	9 8	3 6	21 5	2 24	17 41	3 39	22 35	3 14	11 57	1 10	22 43	0 45	19 49	0 12	9 3	0 58	4 6	16 39	2 22	1 56	18 21	12 25	2 27
S 15	21 41	12 42	3 59	21 19	2 10	17 52	3 38	22 38	3 14	11 59	1 10	22 43	0 44	19 50	0 12	9 2	0 58	4 6	16 39	2 23	1 57	18 21	12 26	2 27
S 16	21 31	15 38	4 38	21 32	1 56	18 3	3 36	22 41	3 14	12 1	1 11	22 43	0 44	19 50	0 12	9 1	0 58	4 7	16 39	2 25	1 59	18 21	12 26	2 27
M17	21 21	17 37	5 1	21 44	1 42	18 13	3 34	22 44	3 15	12 3	1 11	22 43	0 44	19 51	0 12	9 1	0 58	4 7	16 40	2 27	2 0	18 21	12 26	2 27
T 18	21 11	18 26	5 3	21 55	1 27	18 23	3 32	22 47	3 15	12 5	1 11	22 44	0 44	19 51	0 12	9 0	0 58	4 7	16 40	2 31	2 1	18 21	12 26	2 27
W19	21 1	17 57	4 44	22 6	1 13	18 34	3 30	22 50	3 15	12 7	1 11	22 44	0 44	19 52	0 12	8 59	0 58	4 7	16 40	2 34	2 2	18 21	12 26	2 27
T 20	20 50	16 11	4 5	22 15	0 59	18 43	3 28	22 53	3 15	12 9	1 12	22 44	0 44	19 52	0 12	8 59	0 58	4 7	16 41	2 37	2 4	18 21	12 27	2 27
F 21	20 39	13 19	3 9	22 23	0 45	18 53	3 26	22 56	3 15	12 11	1 12	22 44	0 44	19 53	0 12	8 58	0 58	4 8	16 41	2 40	2 5	18 21	12 27	2 27
S 22	20 27	9 40	2 2	22 29	0 31	19 3	3 24	23 0	3 15	12 13	1 12	22 44	0 44	19 53	0 12	8 57	0 58	4 8	16 41	2 41	2 6	18 21	12 27	2 27
S 23	20 15	5 33	0 49	22 34	0 18	19 12	3 21	23 3	3 15	12 15	1 12	22 45	0 44	19 53	0 12	8 57	0 58	4 8	16 42	2 42	2 7	18 21	12 28	2 27
M24	20 3	1 16	0s24	22 36	0 5	19 21	3 19	23 7	3 15	12 17	1 13	22 45	0 43	19 54	0 12	8 56	0 58	4 8	16 42	2 42	2 9	18 21	12 28	2 27
T 25	19 51	2n56	1 35	22 36	0n 7	19 30	3 16	23 10	3 15	12 20	1 13	22 45	0 43	19 54	0 12	8 55	0 58	4 9	16 42	2 42	2 10	18 21	12 29	2 27
W26	19 38	6 51	2 38	22 34	0 19	19 39	3 14	23 14	3 15	12 22	1 13	22 45	0 43	19 55	0 12	8 55	0 58	4 9	16 43	2 42	2 11	18 21	12 29	2 27
T 27	19 24	10 22	3 31	22 30	0 30	19 47	3 11	23 18	3 15	12 24	1 13	22 45	0 43	19 55	0 12	8 54	0 58	4 9	16 43	2 42	2 12	18 21	12 30	2 27
F 28	19 11	13 21	4 14	22 23	0 41	19 55	3 8	23 22	3 15	12 27	1 14	22 45	0 43	19 56	0 12	8 53	0 58	4 10	16 43	2 42	2 14	18 21	12 30	2 27
S 29	18 57	15 42	4 45	22 13	0 50	20 2	3 5	23 26	3 15	12 29	1 14	22 46	0 43	19 56	0 12	8 52	0 58	4 10	16 43	2 43	2 15	18 20	12 31	2 27
S 30	18 43	17 21	5 3	22 0	1 0	20 10	3 2	23 30	3 15	12 32	1 14	22 46	0 43	19 56	0 12	8 52	0 58	4 10	16 44	2 45	2 16	18 20	12 32	2 27
M31	18n28	18n15	5s 8	21n45	1n 8	20n16	2s59	23s34	3s15	12s34	1s14	22s46	0n43	19n57	0s12	8n51	0n58	4s10	16s44	2n48	2n18	18n20	12s32	2n27

Julian Day Number = 2307820.5, Delta T = 80.66 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'54, Lahiri = 18°21'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

AUGUST 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 37 23	8♌18'20	6♋24	29♋51	23♊ 6	1♐19	0°R 7	1°R49	29♉47	9♍43	0°R 5	22°R50	24♍11	5♋17	10♏ 6	T 1
W 2	20 41 20	9°15'51	18°18	1♌53	24° 8	1°40	0♓ 1	1♑46	29°48	9°45	0♉ 5	22♍42	24° 8	5°23	10° 8	W 2
T 3	20 45 16	10°13'23	0♌16	3°57	25°10	2° 2	29♒54	1°43	29°50	9°46	0° 5	22°34	24° 5	5°30	10°10	T 3
F 4	20 49 13	11°10'56	12°20	6° 0	26°13	2°24	29°47	1°40	29°52	9°48	0° 5	22°27	24° 2	5°37	10°13	F 4
S 5	20 53 10	12° 8'30	24°31	8° 4	27°15	2°47	29°39	1°38	29°53	9°51	0° 5	22°22	23°59	5°43	10°16	S 5
S 6	20 57 6	13° 6'05	6♍51	10° 8	28°18	3°11	29°32	1°35	29°55	9°53	0° 5	22°19	23°55	5°50	10°18	S 6
M 7	21 1 3	14° 3'42	19°21	12°11	29°21	3°34	29°25	1°32	29°56	9°55	0° 4	22°D18	23°52	5°57	10°21	M 7
T 8	21 4 59	15° 1'19	2♎ 3	14°14	0♋25	3°59	29°18	1°30	29°58	9°57	0° 4	22°18	23°49	6° 4	10°24	T 8
W 9	21 8 56	15°58'58	14°59	16°15	1°28	4°23	29°10	1°27	29°59	9°59	0° 4	22°20	23°46	6°10	10°27	W 9
T 10	21 12 52	16°56'37	28°11	18°16	2°32	4°49	29° 3	1°25	0♊ 0	10° 1	0° 4	22°21	23°43	6°17	10°30	T 10
F 11	21 16 49	17°54'18	11♏41	20°16	3°36	5°14	28°55	1°22	0° 2	10° 3	0° 4	22°R22	23°40	6°24	10°34	F 11
S 12	21 20 45	18°52'00	25°32	22°14	4°41	5°40	28°47	1°20	0° 3	10° 5	0° 3	22°22	23°36	6°30	10°37	S 12
S 13	21 24 42	19°49'42	9♐42	24°12	5°45	6° 7	28°40	1°18	0° 4	10° 7	0° 3	22°21	23°33	6°37	10°40	S 13
M14	21 28 39	20°47'26	24°11	26° 8	6°50	6°34	28°32	1°16	0° 5	10° 9	0° 3	22°18	23°30	6°44	10°44	M14
T 15	21 32 35	21°45'11	8♑55	28° 3	7°55	7° 1	28°24	1°14	0° 6	10°11	0° 3	22°14	23°27	6°51	10°48	T 15
W16	21 36 32	22°42'57	23°47	29°56	9° 1	7°29	28°16	1°12	0° 8	10°13	0° 2	22°10	23°24	6°57	10°51	W16
T 17	21 40 28	23°40'45	8♒40	1♍48	10° 6	7°57	28° 9	1°10	0° 9	10°16	0° 2	22° 6	23°20	7° 4	10°55	T 17
F 18	21 44 25	24°38'33	23°25	3°39	11°12	8°26	28° 1	1° 8	0°10	10°18	0° 2	22° 3	23°17	7°11	10°59	F 18
S 19	21 48 21	25°36'24	7♓56	5°29	12°18	8°55	27°53	1° 6	0°10	10°20	0° 1	22° 1	23°14	7°18	11° 3	S 19
S 20	21 52 18	26°34'15	22° 6	7°17	13°24	9°24	27°45	1° 5	0°11	10°22	0° 1	22°D 1	23°11	7°24	11° 7	S 20
M21	21 56 14	27°32'09	5♈52	9° 3	14°30	9°54	27°37	1° 3	0°12	10°24	0° 0	22° 1	23° 8	7°31	11°11	M21
T 22	22 0 11	28°30'04	19°13	10°49	15°37	10°24	27°29	1° 2	0°13	10°26	29♈59	22° 2	23° 5	7°38	11°16	T 22
W23	22 4 8	29°28'01	2♉ 9	12°33	16°43	10°54	27°21	1° 1	0°14	10°29	29°59	22° 4	23° 1	7°44	11°20	W23
T 24	22 8 4	0♍26'00	14°45	14°16	17°50	11°25	27°13	1° 0	0°14	10°31	29°59	22° 5	22°58	7°51	11°24	T 24
F 25	22 12 1	1°24'00	27° 3	15°57	18°57	11°56	27° 5	0°58	0°15	10°33	29°58	22°R 6	22°55	7°58	11°29	F 25
S 26	22 15 57	2°22'03	9♊ 8	17°38	20° 4	12°27	26°58	0°57	0°15	10°35	29°58	22° 6	22°52	8° 5	11°33	S 26
S 27	22 19 54	3°20'08	21° 4	19°17	21°12	12°59	26°50	0°56	0°16	10°37	29°57	22° 5	22°49	8°11	11°38	S 27
M28	22 23 50	4°18'14	2♋56	20°54	22°19	13°31	26°42	0°56	0°16	10°40	29°57	22° 3	22°46	8°18	11°43	M28
T 29	22 27 47	5°16'23	14°49	22°31	23°27	14° 3	26°34	0°55	0°17	10°42	29°56	22° 1	22°42	8°25	11°48	T 29
W30	22 31 43	6°14'33	26°46	24° 6	24°35	14°36	26°27	0°54	0°17	10°44	29°56	21°58	22°39	8°31	11°53	W30
T 31	22 35 40	7♍12'46	8♌49	25♍40	25♋43	15♐ 9	26♒19	0♑54	0♊18	10♍46	29♈55	21♍56	22♍36	8♋38	11♏58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n13	18n21	4s59	21n27	1n15	20n23	2s56	23s38	3s14	12s37	1s14	22s46	0n42	19n57	0s12	8n50	0n58	4s11	16s44	2n51	2n19	18n20	12s33	2n27
W 2	17 58	17 39	4 38	21 7	1 22	20 29	2 52	23 42	3 14	12 39	1 15	22 46	0 42	19 58	0 12	8 49	0 58	4 11	16 45	2 54	2 20	18 20	12 34	2 27
T 3	17 43	16 9	4 4	20 44	1 28	20 35	2 49	23 46	3 14	12 42	1 15	22 46	0 42	19 58	0 12	8 49	0 58	4 11	16 45	2 57	2 21	18 20	12 34	2 27
F 4	17 27	13 56	3 20	20 18	1 33	20 40	2 46	23 51	3 13	12 45	1 15	22 47	0 42	19 58	0 12	8 48	0 58	4 12	16 45	3 0	2 23	18 20	12 35	2 27
S 5	17 11	11 6	2 25	19 51	1 37	20 45	2 42	23 55	3 13	12 47	1 15	22 47	0 42	19 59	0 12	8 47	0 58	4 12	16 46	3 2	2 24	18 20	12 36	2 27
S 6	16 55	7 44	1 23	19 21	1 40	20 50	2 39	23 59	3 13	12 50	1 15	22 47	0 42	19 59	0 12	8 46	0 58	4 12	16 46	3 3	2 25	18 20	12 37	2 27
M 7	16 39	3 59	0 16	18 49	1 43	20 54	2 35	24 3	3 12	12 53	1 16	22 47	0 42	19 59	0 12	8 46	0 58	4 13	16 46	3 4	2 26	18 20	12 38	2 27
T 8	16 22	0s 0	0n53	18 16	1 45	20 58	2 32	24 8	3 12	12 56	1 16	22 47	0 41	20 0	0 12	8 45	0 58	4 13	16 47	3 4	2 28	18 19	12 39	2 27
W 9	16 5	4 4	2 0	17 41	1 46	21 1	2 28	24 12	3 12	12 58	1 16	22 47	0 41	20 0	0 12	8 44	0 58	4 13	16 47	3 3	2 29	18 19	12 40	2 27
T 10	15 47	8 0	3 3	17 4	1 46	21 4	2 24	24 16	3 11	13 1	1 16	22 48	0 41	20 0	0 12	8 43	0 58	4 14	16 47	3 2	2 30	18 19	12 41	2 27
F 11	15 30	11 36	3 57	16 26	1 46	21 6	2 20	24 21	3 11	13 4	1 16	22 48	0 41	20 0	0 12	8 42	0 58	4 14	16 48	3 2	2 31	18 19	12 42	2 27
S 12	15 12	14 40	4 39	15 47	1 45	21 8	2 17	24 25	3 10	13 7	1 16	22 48	0 41	20 1	0 12	8 42	0 58	4 15	16 48	3 2	2 33	18 19	12 43	2 27
S 13	14 54	16 55	5 5	15 6	1 43	21 9	2 13	24 29	3 10	13 10	1 17	22 48	0 41	20 1	0 12	8 41	0 58	4 15	16 48	3 3	2 34	18 19	12 44	2 27
M14	14 36	18 10	5 12	14 25	1 41	21 10	2 9	24 33	3 9	13 12	1 17	22 48	0 41	20 1	0 12	8 40	0 58	4 15	16 49	3 4	2 35	18 19	12 45	2 27
T 15	14 17	18 13	4 59	13 43	1 39	21 10	2 5	24 38	3 9	13 15	1 17	22 48	0 41	20 1	0 12	8 39	0 58	4 16	16 49	3 5	2 36	18 19	12 46	2 27
W16	13 58	17 1	4 26	13 0	1 35	21 10	2 1	24 42	3 8	13 18	1 17	22 49	0 40	20 2	0 12	8 38	0 58	4 16	16 49	3 7	2 38	18 19	12 47	2 27
T 17	13 39	14 40	3 35	12 17	1 32	21 9	1 57	24 46	3 8	13 21	1 17	22 49	0 40	20 2	0 12	8 38	0 58	4 17	16 50	3 8	2 39	18 18	12 48	2 27
F 18	13 20	11 22	2 30	11 33	1 28	21 8	1 53	24 50	3 7	13 24	1 17	22 49	0 40	20 2	0 12	8 37	0 58	4 17	16 50	3 10	2 40	18 18	12 49	2 27
S 19	13 1	7 26	1 17	10 49	1 23	21 6	1 49	24 54	3 7	13 27	1 17	22 49	0 40	20 2	0 12	8 36	0 58	4 17	16 50	3 10	2 41	18 18	12 50	2 27
S 20	12 41	3 9	0s 1	10 4	1 19	21 4	1 45	24 58	3 6	13 29	1 17	22 49	0 40	20 2	0 12	8 35	0 58	4 18	16 50	3 11	2 43	18 18	12 52	2 27
M21	12 21	1n11	1 15	9 19	1 13	21 1	1 41	25 2	3 5	13 32	1 18	22 49	0 40	20 3	0 12	8 34	0 58	4 18	16 51	3 10	2 44	18 18	12 53	2 27
T 22	12 1	5 19	2 24	8 34	1 8	20 58	1 37	25 6	3 5	13 35	1 18	22 49	0 40	20 3	0 12	8 34	0 58	4 19	16 51	3 10	2 45	18 18	12 54	2 27
W23	11 41	9 4	3 23	7 49	1 2	20 54	1 33	25 10	3 4	13 38	1 18	22 50	0 39	20 3	0 12	8 33	0 58	4 19	16 51	3 9	2 46	18 18	12 56	2 27
T 24	11 21	12 18	4 11	7 4	0 56	20 50	1 29	25 13	3 4	13 41	1 18	22 50	0 39	20 3	0 12	8 32	0 58	4 19	16 52	3 9	2 48	18 17	12 57	2 27
F 25	11 0	14 54	4 46	6 19	0 50	20 45	1 25	25 17	3 3	13 43	1 18	22 50	0 39	20 3	0 12	8 31	0 58	4 20	16 52	3 8	2 49	18 17	12 58	2 27
S 26	10 39	16 48	5 7	5 34	0 43	20 39	1 21	25 21	3 2	13 46	1 18	22 50	0 39	20 3	0 12	8 30	0 58	4 20	16 52	3 8	2 50	18 17	13 0	2 27
S 27	10 18	17 57	5 15	4 49	0 36	20 33	1 17	25 24	3 1	13 49	1 18	22 50	0 39	20 3	0 12	8 29	0 58	4 21	16 53	3 9	2 52	18 17	13 1	2 27
M28	9 57	18 18	5 10	4 4	0 29	20 26	1 13	25 27	3 1	13 52	1 18	22 50	0 39	20 3	0 12	8 29	0 58	4 21	16 53	3 10	2 53	18 17	13 2	2 27
T 29	9 36	17 51	4 51	3 19	0 22	20 19	1 9	25 31	3 0	13 54	1 18	22 50	0 39	20 4	0 12	8 28	0 58	4 22	16 53	3 10	2 54	18 17	13 4	2 27
W30	9 14	16 36	4 19	2 34	0 15	20 11	1 5	25 34	2 59	13 57	1 18	22 51	0 38	20 4	0 12	8 27	0 58	4 22	16 53	3 11	2 55	18 16	13 5	2 27
T 31	8n53	14n37	3s36	1n50	0n 7	20n 3	1s 1	25s37	2s59	14s 0	1s18	22s51	0n38	20n 4	0s12	8n26	0n58	4s23	16s54	3n12	2n57	18n16	13s 7	2n27

Julian Day Number = 2307851.5, Delta T = 80.56 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°14'58, Lahiri = 18°21'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

SEPTEMBER 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 39 36	8♍11'00	21♌ 2	27♍13	26♋51	15♐42	26°R11	0°R53	0♊18	10♍49	29°R54	21°R54	22♍33	8♋45	12♏ 3	F 1
S 2	22 43 33	9° 9'16	3♍26	28°45	28° 0	16°15	26♒ 4	0♑53	0°18	10°51	29♈54	21♍53	22°30	8°52	12° 8	S 2
S 3	22 47 30	10° 7'34	16° 2	0♎16	29° 8	16°49	25°56	0°53	0°18	10°53	29°53	21°D52	22°26	8°58	12°13	S 3
M 4	22 51 26	11° 5'53	28°51	1°45	0♌17	17°23	25°49	0°52	0°18	10°55	29°52	21°52	22°23	9° 5	12°18	M 4
T 5	22 55 23	12° 4'15	11♎53	3°13	1°26	17°58	25°42	0°D52	0°18	10°57	29°52	21°53	22°20	9°12	12°24	T 5
W 6	22 59 19	13° 2'38	25° 9	4°40	2°35	18°32	25°34	0°52	0°R18	11° 0	29°51	21°54	22°17	9°18	12°29	W 6
T 7	23 3 16	14° 1'02	8♏38	6° 6	3°44	19° 7	25°27	0°53	0°18	11° 2	29°50	21°54	22°14	9°25	12°35	T 7
F 8	23 7 12	14°59'29	22°20	7°30	4°53	19°42	25°20	0°53	0°18	11° 4	29°50	21°55	22°11	9°32	12°40	F 8
S 9	23 11 9	15°57'57	6♐14	8°53	6° 3	20°17	25°13	0°53	0°18	11° 6	29°49	21°55	22° 7	9°39	12°46	S 9
S 10	23 15 5	16°56'26	20°20	10°15	7°12	20°53	25° 6	0°54	0°18	11° 9	29°48	21°R55	22° 4	9°45	12°52	S 10
M11	23 19 2	17°54'58	4♑36	11°36	8°22	21°29	25° 0	0°54	0°18	11°11	29°47	21°55	22° 1	9°52	12°57	M11
T 12	23 22 59	18°53'31	18°59	12°55	9°31	22° 5	24°53	0°55	0°17	11°13	29°46	21°55	21°58	9°59	13° 3	T 12
W13	23 26 55	19°52'05	3♒25	14°12	10°41	22°41	24°47	0°55	0°17	11°15	29°46	21°55	21°55	10° 5	13° 9	W13
T 14	23 30 52	20°50'41	17°51	15°29	11°51	23°18	24°40	0°56	0°17	11°17	29°45	21°55	21°51	10°12	13°15	T 14
F 15	23 34 48	21°49'19	2♓11	16°43	13° 2	23°55	24°34	0°57	0°16	11°20	29°44	21°D55	21°48	10°19	13°21	F 15
S 16	23 38 45	22°47'59	16°21	17°56	14°12	24°32	24°28	0°58	0°16	11°22	29°43	21°R55	21°45	10°26	13°27	S 16
S 17	23 42 41	23°46'41	0♈15	19° 7	15°22	25° 9	24°22	0°59	0°15	11°24	29°42	21°55	21°42	10°32	13°34	S 17
M18	23 46 38	24°45'25	13°51	20°17	16°33	25°46	24°16	1° 1	0°14	11°26	29°41	21°54	21°39	10°39	13°40	M18
T 19	23 50 34	25°44'10	27° 7	21°24	17°43	26°24	24°11	1° 2	0°14	11°28	29°40	21°54	21°36	10°46	13°46	T 19
W20	23 54 31	26°42'58	10♉ 3	22°30	18°54	27° 1	24° 5	1° 3	0°13	11°31	29°39	21°54	21°32	10°52	13°52	W20
T 21	23 58 28	27°41'49	22°40	23°33	20° 5	27°39	24° 0	1° 5	0°12	11°33	29°39	21°53	21°29	10°59	13°59	T 21
F 22	0 2 24	28°40'41	5♊ 0	24°34	21°16	28°17	23°55	1° 6	0°12	11°35	29°38	21°52	21°26	11° 6	14° 5	F 22
S 23	0 6 21	29°39'36	17° 6	25°32	22°27	28°56	23°50	1° 8	0°11	11°37	29°37	21°52	21°23	11°13	14°12	S 23
S 24	0 10 17	0♎38'33	29° 4	26°28	23°38	29°34	23°45	1°10	0°10	11°39	29°36	21°D51	21°20	11°19	14°18	S 24
M25	0 14 14	1°37'33	10♋57	27°21	24°50	0♑13	23°40	1°12	0° 9	11°41	29°35	21°52	21°17	11°26	14°25	M25
T 26	0 18 10	2°36'34	22°50	28°10	26° 1	0°52	23°35	1°14	0° 8	11°43	29°34	21°52	21°13	11°33	14°32	T 26
W27	0 22 7	3°35'38	4♌47	28°56	27°13	1°31	23°31	1°16	0° 7	11°45	29°33	21°53	21°10	11°39	14°39	W27
T 28	0 26 3	4°34'45	16°54	29°38	28°24	2°10	23°27	1°18	0° 6	11°48	29°32	21°54	21° 7	11°46	14°45	T 28
F 29	0 30 0	5°33'53	29°13	0♏16	29°36	2°49	23°23	1°20	0° 5	11°50	29°31	21°55	21° 4	11°53	14°52	F 29
S 30	0 33 56	6♎33'04	11♍48	0♏49	0♍48	3♑29	23♒19	1♑22	0♊ 3	11♍52	29♈30	21♍56	21♍ 1	12♋ 0	14♏59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n31	11n57	2s42	1n 6	0s 0	19n54	0s56	25s40	2s58	14s 2	1s18	22s51	0n38	20n 4	0s12	8n25	0n58	4s23	16s54	3n13	2n58	18n16	13s 8	2n27
S 2	8 9	8 43	1 40	0 23	0 8	19 45	0 52	25 43	2 57	14 5	1 18	22 51	0 38	20 4	0 12	8 24	0 58	4 24	16 54	3 14	2 59	18 16	13 10	2 28
S 3	7 47	5 2	0 32	0s21	0 16	19 35	0 48	25 45	2 56	14 7	1 18	22 51	0 38	20 4	0 12	8 23	0 58	4 24	16 54	3 14	3 0	18 16	13 11	2 28
M 4	7 25	1 3	0n39	1 3	0 24	19 24	0 44	25 48	2 56	14 10	1 18	22 51	0 38	20 4	0 12	8 23	0 58	4 24	16 55	3 14	3 2	18 15	13 13	2 28
T 5	7 3	3s 2	1 49	1 46	0 31	19 13	0 40	25 50	2 55	14 13	1 18	22 51	0 38	20 4	0 12	8 22	0 58	4 25	16 55	3 14	3 3	18 15	13 15	2 28
W 6	6 40	7 3	2 54	2 28	0 40	19 2	0 36	25 53	2 54	14 15	1 18	22 52	0 37	20 4	0 12	8 21	0 58	4 25	16 55	3 13	3 4	18 15	13 16	2 28
T 7	6 18	10 45	3 51	3 9	0 48	18 50	0 33	25 55	2 53	14 17	1 18	22 52	0 37	20 4	0 12	8 20	0 58	4 26	16 55	3 13	3 5	18 15	13 18	2 28
F 8	5 55	13 56	4 36	3 50	0 56	18 37	0 29	25 57	2 52	14 20	1 18	22 52	0 37	20 4	0 12	8 19	0 58	4 26	16 56	3 13	3 7	18 15	13 19	2 28
S 9	5 33	16 23	5 5	4 30	1 4	18 24	0 25	25 59	2 51	14 22	1 18	22 52	0 37	20 4	0 12	8 18	0 58	4 27	16 56	3 13	3 8	18 14	13 21	2 28
S 10	5 10	17 52	5 17	5 10	1 12	18 10	0 21	26 1	2 51	14 24	1 18	22 52	0 37	20 4	0 12	8 18	0 58	4 27	16 56	3 13	3 9	18 14	13 23	2 28
M11	4 47	18 15	5 9	5 49	1 20	17 56	0 17	26 2	2 50	14 27	1 18	22 52	0 37	20 4	0 12	8 17	0 58	4 28	16 56	3 13	3 10	18 14	13 25	2 28
T 12	4 24	17 29	4 43	6 28	1 28	17 41	0 13	26 4	2 49	14 29	1 18	22 52	0 37	20 4	0 12	8 16	0 58	4 28	16 57	3 13	3 12	18 14	13 26	2 28
W13	4 1	15 34	3 58	7 5	1 36	17 26	0 10	26 5	2 48	14 31	1 18	22 53	0 36	20 4	0 12	8 15	0 58	4 29	16 57	3 13	3 13	18 14	13 28	2 28
T 14	3 38	12 41	2 58	7 42	1 44	17 11	0 6	26 6	2 47	14 33	1 18	22 53	0 36	20 3	0 12	8 14	0 58	4 29	16 57	3 13	3 14	18 13	13 30	2 28
F 15	3 15	9 3	1 47	8 18	1 52	16 54	0 2	26 7	2 46	14 35	1 18	22 53	0 36	20 3	0 12	8 13	0 58	4 30	16 57	3 13	3 15	18 13	13 31	2 28
S 16	2 52	4 56	0 31	8 53	2 0	16 38	0n 1	26 8	2 45	14 37	1 18	22 53	0 36	20 3	0 12	8 13	0 58	4 30	16 57	3 13	3 17	18 13	13 33	2 28
S 17	2 29	0 36	0s46	9 28	2 7	16 20	0 5	26 8	2 44	14 39	1 18	22 53	0 36	20 3	0 12	8 12	0 58	4 31	16 58	3 13	3 18	18 13	13 35	2 28
M18	2 5	3n39	1 59	10 1	2 15	16 3	0 9	26 9	2 43	14 41	1 18	22 53	0 36	20 3	0 12	8 11	0 58	4 31	16 58	3 13	3 19	18 13	13 37	2 28
T 19	1 42	7 37	3 3	10 33	2 22	15 45	0 12	26 9	2 43	14 43	1 18	22 53	0 36	20 3	0 12	8 10	0 58	4 32	16 58	3 13	3 20	18 12	13 39	2 28
W20	1 18	11 7	3 56	11 5	2 29	15 26	0 16	26 9	2 42	14 44	1 18	22 53	0 36	20 3	0 12	8 9	0 58	4 32	16 58	3 13	3 22	18 12	13 40	2 28
T 21	0 55	14 1	4 37	11 35	2 36	15 7	0 19	26 9	2 41	14 46	1 18	22 54	0 35	20 3	0 12	8 9	0 58	4 32	16 58	3 14	3 23	18 12	13 42	2 29
F 22	0 32	16 12	5 3	12 4	2 43	14 48	0 22	26 8	2 40	14 48	1 18	22 54	0 35	20 2	0 12	8 8	0 58	4 33	16 58	3 14	3 24	18 12	13 44	2 29
S 23	0 8	17 37	5 16	12 31	2 49	14 28	0 26	26 8	2 39	14 49	1 17	22 54	0 35	20 2	0 12	8 7	0 58	4 33	16 59	3 14	3 25	18 11	13 46	2 29
S 24	0s15	18 15	5 14	12 57	2 55	14 7	0 29	26 7	2 38	14 51	1 17	22 54	0 35	20 2	0 12	8 6	0 58	4 34	16 59	3 14	3 27	18 11	13 48	2 29
M25	0 39	18 4	5 0	13 22	3 1	13 47	0 32	26 6	2 37	14 52	1 17	22 54	0 35	20 2	0 12	8 5	0 58	4 34	16 59	3 14	3 28	18 11	13 50	2 29
T 26	1 2	17 5	4 32	13 45	3 6	13 25	0 35	26 5	2 36	14 54	1 17	22 54	0 35	20 2	0 12	8 5	0 58	4 35	16 59	3 14	3 29	18 11	13 51	2 29
W27	1 26	15 21	3 52	14 6	3 11	13 4	0 38	26 4	2 35	14 55	1 17	22 54	0 35	20 1	0 12	8 4	0 58	4 35	16 59	3 13	3 30	18 10	13 53	2 29
T 28	1 49	12 55	3 2	14 25	3 16	12 42	0 41	26 2	2 34	14 57	1 17	22 54	0 34	20 1	0 12	8 3	0 58	4 36	16 59	3 13	3 32	18 10	13 55	2 29
F 29	2 13	9 51	2 2	14 42	3 20	12 20	0 44	26 0	2 33	14 58	1 17	22 55	0 34	20 1	0 12	8 2	0 58	4 36	17 0	3 13	3 33	18 10	13 57	2 29
S 30	2s36	6n17	0s56	14s57	3s23	11n57	0n47	25s58	2s32	14s59	1s17	22s55	0n34	20n 1	0s12	8n 1	0n58	4s37	17s 0	3n12	3n34	18n10	13s59	2n29

Julian Day Number = 2307882.5, Delta T = 80.46 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'03, Lahiri = 18°22'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

OCTOBER 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 37 53	7♎32'17	24♍40	1♏17	2♍ 0	4♑ 8	23°R15	1♑25	0°R 2	11♍54	29°R29	21°R57	20♍57	12♋ 6	15♏ 6	S 1
M 2	0 41 50	8°31'32	7♎50	1°40	3°12	4°48	23♒12	1°27	0♊ 1	11°56	29♈28	21♍56	20°54	12°13	15°13	M 2
T 3	0 45 46	9°30'49	21°17	1°58	4°24	5°28	23° 9	1°30	29♉59	11°58	29°27	21°54	20°51	12°20	15°20	T 3
W 4	0 49 43	10°30'08	5♏ 0	2° 8	5°36	6° 8	23° 5	1°33	29°58	12° 0	29°26	21°52	20°48	12°26	15°27	W 4
T 5	0 53 39	11°29'29	18°55	2°R12	6°48	6°49	23° 3	1°36	29°57	12° 2	29°24	21°50	20°45	12°33	15°34	T 5
F 6	0 57 36	12°28'52	2♐59	2° 9	8° 1	7°29	23° 0	1°39	29°55	12° 4	29°23	21°47	20°42	12°40	15°42	F 6
S 7	1 1 32	13°28'17	17°10	1°58	9°13	8°10	22°57	1°42	29°54	12° 6	29°22	21°44	20°38	12°47	15°49	S 7
S 8	1 5 29	14°27'43	1♑23	1°39	10°26	8°50	22°55	1°45	29°52	12° 8	29°21	21°43	20°35	12°53	15°56	S 8
M 9	1 9 25	15°27'12	15°35	1°11	11°38	9°31	22°53	1°48	29°51	12°10	29°20	21°D42	20°32	13° 0	16° 3	M 9
T 10	1 13 22	16°26'42	29°45	0°35	12°51	10°12	22°51	1°51	29°49	12°12	29°19	21°43	20°29	13° 7	16°11	T 10
W11	1 17 19	17°26'14	13♒51	29♎51	14° 4	10°53	22°49	1°54	29°48	12°14	29°18	21°44	20°26	13°13	16°18	W11
T 12	1 21 15	18°25'47	27°50	28°58	15°17	11°35	22°48	1°58	29°46	12°15	29°17	21°46	20°22	13°20	16°25	T 12
F 13	1 25 12	19°25'22	11♓42	27°59	16°29	12°16	22°46	2° 1	29°44	12°17	29°16	21°47	20°19	13°27	16°33	F 13
S 14	1 29 8	20°24'59	25°24	26°52	17°42	12°57	22°45	2° 5	29°43	12°19	29°15	21°R47	20°16	13°34	16°40	S 14
S 15	1 33 5	21°24'38	8♈54	25°41	18°56	13°39	22°44	2° 8	29°41	12°21	29°13	21°46	20°13	13°40	16°48	S 15
M16	1 37 1	22°24'19	22°12	24°27	20° 9	14°21	22°44	2°12	29°39	12°23	29°12	21°43	20°10	13°47	16°55	M16
T 17	1 40 58	23°24'02	5♉15	23°12	21°22	15° 2	22°43	2°16	29°37	12°25	29°11	21°39	20° 7	13°54	17° 3	T 17
W18	1 44 54	24°23'47	18° 2	21°58	22°35	15°44	22°43	2°20	29°35	12°26	29°10	21°34	20° 3	14° 0	17°11	W18
T 19	1 48 51	25°23'34	0♊34	20°47	23°49	16°26	22°D43	2°24	29°33	12°28	29° 9	21°28	20° 0	14° 7	17°18	T 19
F 20	1 52 48	26°23'24	12°52	19°42	25° 2	17° 8	22°43	2°28	29°31	12°30	29° 8	21°22	19°57	14°14	17°26	F 20
S 21	1 56 44	27°23'15	24°58	18°44	26°15	17°50	22°43	2°32	29°29	12°32	29° 7	21°17	19°54	14°21	17°34	S 21
S 22	2 0 41	28°23'09	6♋55	17°55	27°29	18°33	22°44	2°36	29°27	12°33	29° 6	21°13	19°51	14°27	17°41	S 22
M23	2 4 37	29°23'05	18°47	17°17	28°43	19°15	22°44	2°41	29°25	12°35	29° 4	21°10	19°48	14°34	17°49	M23
T 24	2 8 34	0♏23'03	0♌39	16°50	29°56	19°58	22°45	2°45	29°23	12°37	29° 3	21°D 9	19°44	14°41	17°57	T 24
W25	2 12 30	1°23'03	12°35	16°34	1♎10	20°40	22°46	2°50	29°21	12°38	29° 2	21°10	19°41	14°47	18° 4	W25
T 26	2 16 27	2°23'05	24°41	16°D30	2°24	21°23	22°48	2°54	29°19	12°40	29° 1	21°12	19°38	14°54	18°12	T 26
F 27	2 20 23	3°23'10	7♍ 1	16°37	3°38	22° 5	22°49	2°59	29°17	12°41	29° 0	21°13	19°35	15° 1	18°20	F 27
S 28	2 24 20	4°23'16	19°41	16°54	4°52	22°48	22°51	3° 3	29°14	12°43	28°59	21°R14	19°32	15° 8	18°28	S 28
S 29	2 28 17	5°23'25	2♎42	17°22	6° 6	23°31	22°53	3° 8	29°12	12°44	28°58	21°13	19°28	15°14	18°36	S 29
M30	2 32 13	6°23'35	16° 7	17°59	7°20	24°14	22°55	3°13	29°10	12°46	28°57	21°11	19°25	15°21	18°44	M30
T 31	2 36 10	7♏23'48	29♎55	18♎44	8♎34	24♑57	22♒57	3♑18	29♉ 8	12♍47	28♈55	21♍ 6	19♍22	15♋28	18♏52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s 0	2n21	0n15	15s 9	3s25	11n34	0n50	25s56	2s31	15s 0	1s17	22s55	0n34	20n 0	0s12	8n 1	0n58	4s37	17s 0	3n12	3n35	18n 9	14s 1	2n29
M 2	3 23	1s47	1 27	15 19	3 27	11 10	0 53	25 54	2 30	15 1	1 17	22 55	0 34	20 0	0 12	8 0	0 58	4 38	17 0	3 12	3 37	18 9	14 3	2 30
T 3	3 47	5 55	2 35	15 26	3 28	10 47	0 55	25 51	2 29	15 2	1 16	22 55	0 34	20 0	0 12	7 59	0 58	4 38	17 0	3 13	3 38	18 9	14 5	2 30
W 4	4 10	9 49	3 36	15 29	3 28	10 22	0 58	25 48	2 28	15 3	1 16	22 55	0 34	20 0	0 12	7 58	0 58	4 38	17 0	3 14	3 39	18 8	14 7	2 30
T 5	4 33	13 14	4 24	15 29	3 26	9 58	1 0	25 45	2 27	15 4	1 16	22 55	0 34	19 59	0 12	7 58	0 58	4 39	17 0	3 15	3 40	18 8	14 9	2 30
F 6	4 56	15 55	4 58	15 26	3 24	9 33	1 3	25 42	2 26	15 5	1 16	22 55	0 33	19 59	0 12	7 57	0 58	4 39	17 0	3 16	3 42	18 8	14 11	2 30
S 7	5 20	17 40	5 14	15 18	3 20	9 8	1 5	25 38	2 25	15 5	1 16	22 55	0 33	19 59	0 12	7 56	0 58	4 40	17 0	3 17	3 43	18 8	14 13	2 30
S 8	5 43	18 19	5 10	15 7	3 15	8 43	1 8	25 35	2 23	15 6	1 16	22 55	0 33	19 58	0 12	7 56	0 58	4 40	17 0	3 18	3 44	18 7	14 15	2 30
M 9	6 6	17 49	4 48	14 50	3 8	8 17	1 10	25 31	2 22	15 6	1 16	22 56	0 33	19 58	0 12	7 55	0 58	4 41	17 1	3 18	3 46	18 7	14 17	2 30
T 10	6 29	16 12	4 8	14 29	2 59	7 52	1 12	25 27	2 21	15 7	1 15	22 56	0 33	19 58	0 12	7 54	0 59	4 41	17 1	3 18	3 47	18 7	14 19	2 30
W11	6 52	13 37	3 13	14 4	2 48	7 25	1 14	25 22	2 20	15 7	1 15	22 56	0 33	19 57	0 12	7 53	0 59	4 42	17 1	3 17	3 48	18 6	14 21	2 31
T 12	7 14	10 15	2 8	13 34	2 36	6 59	1 16	25 18	2 19	15 8	1 15	22 56	0 33	19 57	0 12	7 53	0 59	4 42	17 1	3 16	3 49	18 6	14 23	2 31
F 13	7 37	6 20	0 55	12 59	2 22	6 33	1 18	25 13	2 18	15 8	1 15	22 56	0 33	19 57	0 12	7 52	0 59	4 42	17 1	3 16	3 51	18 6	14 25	2 31
S 14	8 0	2 8	0s20	12 20	2 6	6 6	1 20	25 8	2 17	15 8	1 15	22 56	0 32	19 56	0 12	7 51	0 59	4 43	17 1	3 16	3 52	18 5	14 27	2 31
S 15	8 22	2n 7	1 32	11 38	1 48	5 39	1 22	25 2	2 16	15 8	1 15	22 56	0 32	19 56	0 12	7 51	0 59	4 43	17 1	3 16	3 53	18 5	14 28	2 31
M16	8 44	6 12	2 39	10 53	1 30	5 12	1 24	24 57	2 15	15 9	1 15	22 56	0 32	19 56	0 12	7 50	0 59	4 44	17 1	3 17	3 54	18 5	14 30	2 31
T 17	9 6	9 55	3 35	10 7	1 10	4 44	1 25	24 51	2 14	15 9	1 14	22 56	0 32	19 55	0 12	7 49	0 59	4 44	17 1	3 19	3 56	18 5	14 32	2 31
W18	9 29	13 5	4 20	9 20	0 49	4 17	1 27	24 45	2 13	15 9	1 14	22 56	0 32	19 55	0 12	7 49	0 59	4 44	17 1	3 21	3 57	18 4	14 34	2 32
T 19	9 50	15 34	4 51	8 34	0 28	3 49	1 28	24 39	2 12	15 8	1 14	22 56	0 32	19 54	0 12	7 48	0 59	4 45	17 1	3 24	3 58	18 4	14 36	2 32
F 20	10 12	17 18	5 8	7 51	0 8	3 21	1 30	24 33	2 10	15 8	1 14	22 56	0 32	19 54	0 12	7 47	0 59	4 45	17 1	3 26	3 59	18 4	14 38	2 32
S 21	10 34	18 13	5 10	7 10	0n12	2 53	1 31	24 26	2 9	15 8	1 14	22 56	0 32	19 53	0 12	7 47	0 59	4 46	17 1	3 28	4 1	18 3	14 40	2 32
S 22	10 55	18 19	4 59	6 34	0 31	2 25	1 32	24 19	2 8	15 8	1 14	22 56	0 31	19 53	0 12	7 46	0 59	4 46	17 1	3 30	4 2	18 3	14 42	2 32
M23	11 17	17 37	4 36	6 3	0 48	1 57	1 33	24 12	2 7	15 7	1 14	22 56	0 31	19 53	0 12	7 46	0 59	4 46	17 1	3 30	4 3	18 3	14 44	2 32
T 24	11 38	16 8	4 0	5 38	1 5	1 28	1 35	24 5	2 6	15 7	1 13	22 56	0 31	19 52	0 12	7 45	0 59	4 47	17 1	3 31	4 4	18 2	14 46	2 32
W25	11 59	13 57	3 14	5 19	1 19	1 0	1 36	23 57	2 5	15 6	1 13	22 56	0 31	19 52	0 12	7 44	0 59	4 47	17 1	3 30	4 6	18 2	14 48	2 33
T 26	12 20	11 8	2 19	5 5	1 32	0 31	1 36	23 49	2 4	15 6	1 13	22 56	0 31	19 51	0 12	7 44	0 59	4 47	17 1	3 30	4 7	18 2	14 50	2 33
F 27	12 40	7 46	1 16	4 58	1 43	0 3	1 37	23 41	2 2	15 5	1 13	22 56	0 31	19 51	0 12	7 43	0 59	4 48	17 1	3 29	4 8	18 1	14 52	2 33
S 28	13 1	3 58	0 8	4 56	1 52	0s26	1 38	23 33	2 1	15 4	1 13	22 56	0 31	19 50	0 12	7 43	0 59	4 48	17 1	3 29	4 9	18 1	14 54	2 33
S 29	13 21	0s 8	1n 2	5 0	1 59	0 55	1 39	23 24	2 0	15 4	1 13	22 56	0 31	19 50	0 12	7 42	0 59	4 48	17 1	3 29	4 11	18 0	14 56	2 33
M30	13 41	4 21	2 10	5 8	2 5	1 24	1 39	23 16	1 59	15 3	1 12	22 56	0 30	19 49	0 12	7 42	0 59	4 49	17 1	3 30	4 12	18 0	14 58	2 34
T 31	14s 0	8s27	3n13	5s21	2n 9	1s52	1n40	23s 7	1s58	15s 2	1s12	22s56	0n30	19n49	0s12	7n41	0n59	4s49	17s 1	3n32	4n13	18n 0	15s 0	2n34

Julian Day Number = 2307912.5, Delta T = 80.37 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'07, Lahiri = 18°22'07Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1606
geocentric

NOVEMBER 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 40 6	8♏24'02	14♏ 4	19♎36	9♎48	25♑40	23♒ 0	3♑23	29°R 5	12♍49	28°R54	20°R59	19♍19	15♋34	18♏59	W 1
T 2	2 44 3	9°24'19	28°28	20°35	11° 2	26°24	23° 2	3°28	29♉ 3	12°50	28♈53	20♍51	19°16	15°41	19° 7	T 2
F 3	2 47 59	10°24'37	13♐ 2	21°40	12°16	27° 7	23° 5	3°33	29° 1	12°52	28°52	20°43	19°13	15°48	19°15	F 3
S 4	2 51 56	11°24'56	27°38	22°49	13°31	27°50	23° 8	3°38	28°58	12°53	28°51	20°36	19° 9	15°54	19°23	S 4
S 5	2 55 52	12°25'17	12♑10	24° 3	14°45	28°34	23°12	3°43	28°56	12°54	28°50	20°30	19° 6	16° 1	19°31	S 5
M 6	2 59 49	13°25'40	26°32	25°20	15°59	29°17	23°15	3°48	28°53	12°56	28°49	20°27	19° 3	16° 8	19°39	M 6
T 7	3 3 46	14°26'04	10♒43	26°41	17°14	0♒ 1	23°19	3°54	28°51	12°57	28°48	20°D26	19° 0	16°15	19°47	T 7
W 8	3 7 42	15°26'29	24°39	28° 4	18°28	0°44	23°23	3°59	28°49	12°58	28°47	20°26	18°57	16°21	19°55	W 8
T 9	3 11 39	16°26'55	8♓22	29°29	19°43	1°28	23°27	4° 5	28°46	12°59	28°46	20°27	18°54	16°28	20° 3	T 9
F 10	3 15 35	17°27'23	21°51	0♏56	20°57	2°12	23°31	4°10	28°44	13° 1	28°44	20°R27	18°50	16°35	20°11	F 10
S 11	3 19 32	18°27'52	5♈ 9	2°24	22°12	2°56	23°35	4°16	28°41	13° 2	28°43	20°26	18°47	16°41	20°19	S 11
S 12	3 23 28	19°28'23	18°15	3°54	23°26	3°39	23°40	4°21	28°39	13° 3	28°42	20°23	18°44	16°48	20°27	S 12
M13	3 27 25	20°28'55	1♉10	5°25	24°41	4°23	23°45	4°27	28°36	13° 4	28°41	20°16	18°41	16°55	20°35	M13
T 14	3 31 21	21°29'28	13°54	6°57	25°55	5° 7	23°50	4°33	28°34	13° 5	28°40	20° 8	18°38	17° 2	20°43	T 14
W15	3 35 18	22°30'03	26°27	8°29	27°10	5°51	23°55	4°39	28°31	13° 6	28°39	19°57	18°34	17° 8	20°51	W15
T 16	3 39 14	23°30'39	8♊49	10° 2	28°25	6°35	24° 0	4°44	28°29	13° 7	28°38	19°44	18°31	17°15	20°59	T 16
F 17	3 43 11	24°31'17	21° 1	11°35	29°40	7°19	24° 6	4°50	28°26	13° 8	28°37	19°32	18°28	17°22	21° 7	F 17
S 18	3 47 8	25°31'57	3♋ 3	13° 8	0♏54	8° 3	24°12	4°56	28°24	13° 9	28°36	19°21	18°25	17°28	21°14	S 18
S 19	3 51 4	26°32'38	14°58	14°42	2° 9	8°47	24°17	5° 2	28°21	13°10	28°35	19°11	18°22	17°35	21°22	S 19
M20	3 55 1	27°33'20	26°48	16°16	3°24	9°32	24°23	5° 8	28°19	13°11	28°34	19° 4	18°19	17°42	21°30	M20
T 21	3 58 57	28°34'04	8♌37	17°50	4°39	10°16	24°30	5°14	28°16	13°12	28°33	18°59	18°15	17°48	21°38	T 21
W22	4 2 54	29°34'50	20°31	19°24	5°54	11° 0	24°36	5°21	28°14	13°12	28°32	18°57	18°12	17°55	21°46	W22
T 23	4 6 50	0♐35'37	2♍33	20°58	7° 9	11°44	24°43	5°27	28°11	13°13	28°31	18°D57	18° 9	18° 2	21°54	T 23
F 24	4 10 47	1°36'26	14°50	22°33	8°24	12°29	24°49	5°33	28° 9	13°14	28°30	18°R57	18° 6	18° 9	22° 2	F 24
S 25	4 14 43	2°37'16	27°26	24° 7	9°39	13°13	24°56	5°39	28° 6	13°15	28°30	18°57	18° 3	18°15	22°10	S 25
S 26	4 18 40	3°38'08	10♎27	25°41	10°54	13°57	25° 3	5°46	28° 4	13°15	28°29	18°55	17°59	18°22	22°18	S 26
M27	4 22 37	4°39'01	23°56	27°15	12° 9	14°42	25°10	5°52	28° 1	13°16	28°28	18°51	17°56	18°29	22°25	M27
T 28	4 26 33	5°39'55	7♏53	28°49	13°24	15°26	25°18	5°58	27°59	13°17	28°27	18°44	17°53	18°35	22°33	T 28
W29	4 30 30	6°40'51	22°17	0♐23	14°39	16°11	25°25	6° 5	27°56	13°17	28°26	18°34	17°50	18°42	22°41	W29
T 30	4 34 26	7♐41'48	7♐ 3	1♐57	15♏54	16♒55	25♒33	6♑11	27♉54	13♍18	28♈25	18♍23	17♍47	18♋49	22♏49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s20	12s11	4n 6	5s38	2n12	2s21	1n40	22s58	1s57	15s 1	1s12	22s56	0n30	19n48	0s12	7n40	0n59	4s49	17s 0	3n35	4n14	17n59	15s 2	2n34
T 2	14 39	15 15	4 44	5 59	2 14	2 50	1 41	22 48	1 56	15 0	1 12	22 56	0 30	19 48	0 12	7 40	0 59	4 50	17 0	3 38	4 16	17 59	15 4	2 34
F 3	14 58	17 23	5 4	6 22	2 15	3 19	1 41	22 39	1 54	14 59	1 12	22 56	0 30	19 47	0 12	7 39	0 59	4 50	17 0	3 41	4 17	17 59	15 6	2 34
S 4	15 17	18 24	5 4	6 49	2 14	3 47	1 41	22 29	1 53	14 57	1 12	22 56	0 30	19 47	0 12	7 39	0 59	4 50	17 0	3 44	4 18	17 58	15 8	2 35
S 5	15 36	18 12	4 45	7 17	2 13	4 16	1 41	22 19	1 52	14 56	1 11	22 56	0 30	19 46	0 12	7 39	0 59	4 50	17 0	3 46	4 19	17 58	15 10	2 35
M 6	15 54	16 49	4 8	7 47	2 11	4 45	1 41	22 9	1 51	14 55	1 11	22 56	0 30	19 46	0 12	7 38	0 59	4 51	17 0	3 48	4 20	17 58	15 12	2 35
T 7	16 12	14 26	3 17	8 19	2 8	5 13	1 41	21 59	1 50	14 54	1 11	22 56	0 30	19 45	0 12	7 38	0 59	4 51	17 0	3 48	4 22	17 57	15 14	2 35
W 8	16 30	11 14	2 14	8 52	2 5	5 42	1 41	21 48	1 49	14 52	1 11	22 56	0 30	19 45	0 12	7 37	0 59	4 51	17 0	3 48	4 23	17 57	15 16	2 35
T 9	16 47	7 27	1 4	9 26	2 1	6 10	1 41	21 37	1 47	14 51	1 11	22 56	0 29	19 44	0 12	7 37	1 0	4 51	17 0	3 48	4 24	17 56	15 17	2 36
F 10	17 5	3 21	0s 8	10 0	1 56	6 38	1 41	21 26	1 46	14 49	1 11	22 56	0 29	19 44	0 12	7 36	1 0	4 52	17 0	3 47	4 25	17 56	15 19	2 36
S 11	17 21	0n51	1 18	10 36	1 51	7 6	1 40	21 15	1 45	14 47	1 10	22 56	0 29	19 43	0 12	7 36	1 0	4 52	16 59	3 48	4 27	17 56	15 21	2 36
S 12	17 38	4 58	2 23	11 11	1 46	7 34	1 40	21 4	1 44	14 46	1 10	22 56	0 29	19 43	0 12	7 35	1 0	4 52	16 59	3 49	4 28	17 55	15 23	2 36
M13	17 54	8 47	3 19	11 47	1 40	8 2	1 39	20 52	1 43	14 44	1 10	22 56	0 29	19 42	0 12	7 35	1 0	4 52	16 59	3 52	4 29	17 55	15 25	2 37
T 14	18 10	12 9	4 5	12 22	1 34	8 30	1 39	20 40	1 42	14 42	1 10	22 56	0 29	19 42	0 12	7 35	1 0	4 53	16 59	3 55	4 30	17 54	15 27	2 37
W15	18 26	14 54	4 38	12 58	1 28	8 57	1 38	20 28	1 40	14 40	1 10	22 56	0 29	19 41	0 12	7 34	1 0	4 53	16 59	3 59	4 32	17 54	15 29	2 37
T 16	18 41	16 55	4 57	13 33	1 22	9 25	1 38	20 16	1 39	14 38	1 10	22 56	0 29	19 40	0 12	7 34	1 0	4 53	16 59	4 4	4 33	17 54	15 30	2 37
F 17	18 56	18 9	5 2	14 9	1 15	9 52	1 37	20 4	1 38	14 36	1 9	22 55	0 29	19 40	0 12	7 34	1 0	4 53	16 59	4 9	4 34	17 53	15 32	2 37
S 18	19 11	18 33	4 54	14 43	1 9	10 19	1 36	19 51	1 37	14 34	1 9	22 55	0 28	19 39	0 12	7 33	1 0	4 53	16 58	4 14	4 35	17 53	15 34	2 38
S 19	19 25	18 8	4 33	15 18	1 2	10 45	1 35	19 38	1 36	14 32	1 9	22 55	0 28	19 39	0 12	7 33	1 0	4 54	16 58	4 17	4 37	17 52	15 36	2 38
M20	19 39	16 55	4 0	15 51	0 55	11 12	1 34	19 25	1 35	14 30	1 9	22 55	0 28	19 38	0 12	7 33	1 0	4 54	16 58	4 20	4 38	17 52	15 38	2 38
T 21	19 53	14 58	3 17	16 25	0 48	11 38	1 33	19 12	1 33	14 28	1 9	22 55	0 28	19 38	0 12	7 32	1 0	4 54	16 58	4 22	4 39	17 52	15 39	2 39
W22	20 6	12 23	2 25	16 57	0 41	12 4	1 32	18 59	1 32	14 26	1 9	22 55	0 28	19 37	0 12	7 32	1 0	4 54	16 58	4 23	4 40	17 51	15 41	2 39
T 23	20 19	9 15	1 26	17 29	0 34	12 30	1 31	18 45	1 31	14 23	1 8	22 55	0 28	19 37	0 11	7 32	1 0	4 54	16 57	4 23	4 42	17 51	15 43	2 39
F 24	20 31	5 39	0 22	18 0	0 27	12 55	1 30	18 32	1 30	14 21	1 8	22 54	0 28	19 36	0 11	7 32	1 0	4 54	16 57	4 23	4 43	17 50	15 45	2 39
S 25	20 44	1 42	0n45	18 30	0 20	13 20	1 28	18 18	1 29	14 18	1 8	22 54	0 28	19 35	0 11	7 31	1 0	4 54	16 57	4 23	4 44	17 50	15 46	2 40
S 26	20 55	2s26	1 51	19 0	0 13	13 45	1 27	18 4	1 28	14 16	1 8	22 54	0 28	19 35	0 11	7 31	1 0	4 54	16 57	4 24	4 45	17 49	15 48	2 40
M27	21 7	6 36	2 54	19 29	0 7	14 9	1 25	17 50	1 26	14 13	1 8	22 54	0 28	19 34	0 11	7 31	1 0	4 55	16 57	4 25	4 47	17 49	15 50	2 40
T 28	21 18	10 34	3 48	19 56	0s 0	14 33	1 24	17 36	1 25	14 11	1 8	22 54	0 28	19 34	0 11	7 31	1 0	4 55	16 56	4 28	4 48	17 49	15 52	2 41
W29	21 28	14 2	4 30	20 23	0 7	14 57	1 22	17 21	1 24	14 8	1 8	22 53	0 27	19 33	0 11	7 31	1 0	4 55	16 56	4 32	4 49	17 48	15 53	2 41
T 30	21s38	16s41	4n55	20s49	0s14	15s20	1n21	17s 7	1s23	14s 5	1s 7	22s53	0n27	19n33	0s11	7n30	1n 0	4s55	16s56	4n36	4n50	17n48	15s55	2n41

Julian Day Number = 2307943.5, Delta T = 80.27 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'11, Lahiri = 18°22'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1606
geocentric

DECEMBER 1606 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 38 23	8♐42'45	22♐ 2	3♐31	17♏ 9	17♒40	25♒41	6♑18	27°R51	13♍18	28°R24	18°R11	17♍44	18♋56	22♏57	F 1
S 2	4 42 19	9°43'44	7♑ 5	5° 5	18°24	18°24	25°49	6°24	27♉49	13°19	28♈23	18♍ 0	17°40	19° 2	23° 4	S 2
S 3	4 46 16	10°44'44	22° 2	6°39	19°39	19° 9	25°57	6°31	27°46	13°19	28°23	17°51	17°37	19° 9	23°12	S 3
M 4	4 50 13	11°45'44	6♒44	8°14	20°54	19°54	26° 5	6°38	27°44	13°20	28°22	17°45	17°34	19°16	23°20	M 4
T 5	4 54 9	12°46'45	21° 8	9°48	22°10	20°38	26°14	6°44	27°41	13°20	28°21	17°41	17°31	19°22	23°27	T 5
W 6	4 58 6	13°47'47	5♓ 9	11°22	23°25	21°23	26°22	6°51	27°39	13°21	28°20	17°40	17°28	19°29	23°35	W 6
T 7	5 2 2	14°48'49	18°49	12°56	24°40	22° 8	26°31	6°58	27°36	13°21	28°20	17°40	17°25	19°36	23°43	T 7
F 8	5 5 59	15°49'51	2♈ 9	14°30	25°55	22°52	26°40	7° 4	27°34	13°21	28°19	17°40	17°21	19°42	23°50	F 8
S 9	5 9 55	16°50'54	15°13	16° 5	27°10	23°37	26°49	7°11	27°32	13°21	28°18	17°38	17°18	19°49	23°58	S 9
S 10	5 13 52	17°51'57	28° 1	17°39	28°26	24°22	26°58	7°18	27°29	13°22	28°18	17°33	17°15	19°56	24° 5	S 10
M11	5 17 48	18°53'01	10♉38	19°14	29°41	25° 6	27° 7	7°25	27°27	13°22	28°17	17°26	17°12	20° 3	24°13	M11
T 12	5 21 45	19°54'05	23° 4	20°49	0♐56	25°51	27°16	7°32	27°25	13°22	28°16	17°15	17° 9	20° 9	24°20	T 12
W13	5 25 42	20°55'10	5♊22	22°23	2°11	26°36	27°26	7°38	27°23	13°22	28°16	17° 2	17° 5	20°16	24°27	W13
T 14	5 29 38	21°56'16	17°32	23°58	3°27	27°20	27°35	7°45	27°20	13°22	28°15	16°47	17° 2	20°23	24°35	T 14
F 15	5 33 35	22°57'21	29°35	25°34	4°42	28° 5	27°45	7°52	27°18	13°22	28°14	16°32	16°59	20°29	24°42	F 15
S 16	5 37 31	23°58'28	11♋32	27° 9	5°57	28°50	27°55	7°59	27°16	13°R22	28°14	16°18	16°56	20°36	24°49	S 16
S 17	5 41 28	24°59'35	23°24	28°45	7°12	29°35	28° 5	8° 6	27°14	13°22	28°13	16° 6	16°53	20°43	24°57	S 17
M18	5 45 24	26° 0'42	5♌13	0♑21	8°28	0♓19	28°15	8°13	27°12	13°22	28°13	15°57	16°50	20°49	25° 4	M18
T 19	5 49 21	27° 1'50	17° 2	1°57	9°43	1° 4	28°25	8°20	27°10	13°22	28°12	15°51	16°46	20°56	25°11	T 19
W20	5 53 17	28° 2'59	28°55	3°33	10°58	1°49	28°36	8°27	27° 7	13°22	28°12	15°48	16°43	21° 3	25°18	W20
T 21	5 57 14	29° 4'08	10♍55	5° 9	12°14	2°33	28°46	8°34	27° 5	13°22	28°11	15°D46	16°40	21°10	25°25	T 21
F 22	6 1 11	0♑ 5'17	23° 8	6°46	13°29	3°18	28°57	8°41	27° 3	13°21	28°11	15°46	16°37	21°16	25°32	F 22
S 23	6 5 7	1° 6'27	5♎40	8°23	14°44	4° 3	29° 8	8°48	27° 1	13°21	28°10	15°R46	16°34	21°23	25°39	S 23
S 24	6 9 4	2° 7'38	18°34	10° 0	16° 0	4°48	29°18	8°55	26°59	13°21	28°10	15°45	16°31	21°30	25°46	S 24
M25	6 13 0	3° 8'49	1♏56	11°37	17°15	5°32	29°29	9° 2	26°58	13°21	28° 9	15°42	16°27	21°36	25°53	M25
T 26	6 16 57	4°10'00	15°49	13°15	18°30	6°17	29°40	9° 9	26°56	13°20	28° 9	15°36	16°24	21°43	26° 0	T 26
W27	6 20 53	5°11'12	0♐11	14°52	19°46	7° 2	29°52	9°16	26°54	13°20	28° 9	15°28	16°21	21°50	26° 7	W27
T 28	6 24 50	6°12'24	15° 0	16°30	21° 1	7°46	0♓ 3	9°23	26°52	13°20	28° 8	15°18	16°18	21°56	26°13	T 28
F 29	6 28 46	7°13'36	0♑ 9	18° 8	22°16	8°31	0°14	9°30	26°50	13°19	28° 8	15° 7	16°15	22° 3	26°20	F 29
S 30	6 32 43	8°14'49	15°27	19°46	23°32	9°16	0°26	9°37	26°49	13°19	28° 8	14°57	16°11	22°10	26°27	S 30
S 31	6 36 40	9♑16'01	0♒43	21♑23	24♐47	10♓ 0	0♓37	9♑45	26♉47	13♍18	28♈ 7	14♍48	16♍ 8	22♋17	26♏33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s48	18s16	5n 0	21s14	0s20	15s43	1n19	16s52	1s22	14s 2	1s 7	22s53	0n27	19n32	0s11	7n30	1n 0	4s55	16s56	4n41	4n52	17n47	15s57	2n41
S 2	21 57	18 34	4 44	21 38	0 27	16 6	1 17	16 37	1 21	14 0	1 7	22 53	0 27	19 32	0 11	7 30	1 0	4 55	16 55	4 45	4 53	17 47	15 58	2 42
S 3	22 6	17 35	4 9	22 1	0 33	16 28	1 16	16 22	1 19	13 57	1 7	22 53	0 27	19 31	0 11	7 30	1 1	4 55	16 55	4 49	4 54	17 46	16 0	2 42
M 4	22 15	15 26	3 18	22 23	0 40	16 50	1 14	16 7	1 18	13 54	1 7	22 52	0 27	19 31	0 11	7 30	1 1	4 55	16 55	4 51	4 55	17 46	16 1	2 42
T 5	22 23	12 21	2 15	22 43	0 46	17 11	1 12	15 52	1 17	13 51	1 7	22 52	0 27	19 30	0 11	7 30	1 1	4 55	16 55	4 52	4 57	17 45	16 3	2 43
W 6	22 30	8 37	1 6	23 3	0 52	17 32	1 10	15 36	1 16	13 48	1 7	22 52	0 27	19 29	0 11	7 30	1 1	4 55	16 54	4 53	4 58	17 45	16 4	2 43
T 7	22 37	4 31	0s 6	23 21	0 58	17 52	1 8	15 21	1 15	13 45	1 6	22 52	0 27	19 29	0 11	7 30	1 1	4 55	16 54	4 53	4 59	17 44	16 6	2 43
F 8	22 44	0 18	1 16	23 38	1 4	18 12	1 6	15 5	1 14	13 42	1 6	22 51	0 27	19 28	0 11	7 29	1 1	4 55	16 54	4 53	5 0	17 44	16 8	2 44
S 9	22 50	3n51	2 20	23 55	1 9	18 31	1 4	14 49	1 13	13 38	1 6	22 51	0 27	19 28	0 11	7 29	1 1	4 55	16 53	4 54	5 2	17 43	16 9	2 44
S 10	22 56	7 45	3 16	24 9	1 15	18 50	1 2	14 33	1 11	13 35	1 6	22 51	0 26	19 27	0 11	7 29	1 1	4 55	16 53	4 56	5 3	17 43	16 11	2 44
M11	23 1	11 14	4 1	24 23	1 20	19 9	1 0	14 17	1 10	13 32	1 6	22 50	0 26	19 27	0 11	7 29	1 1	4 55	16 53	4 59	5 4	17 42	16 12	2 45
T 12	23 6	14 10	4 34	24 35	1 25	19 26	0 58	14 1	1 9	13 28	1 6	22 50	0 26	19 26	0 11	7 29	1 1	4 55	16 53	5 3	5 5	17 42	16 13	2 45
W13	23 11	16 26	4 53	24 46	1 30	19 44	0 56	13 44	1 8	13 25	1 6	22 50	0 26	19 26	0 11	7 29	1 1	4 55	16 52	5 8	5 6	17 41	16 15	2 45
T 14	23 15	17 56	4 59	24 56	1 35	20 0	0 54	13 28	1 7	13 22	1 6	22 50	0 26	19 25	0 11	7 29	1 1	4 55	16 52	5 14	5 8	17 41	16 16	2 46
F 15	23 18	18 37	4 52	25 4	1 39	20 17	0 51	13 11	1 6	13 18	1 5	22 49	0 26	19 25	0 11	7 29	1 1	4 55	16 52	5 19	5 9	17 41	16 18	2 46
S 16	23 21	18 29	4 32	25 11	1 43	20 32	0 49	12 55	1 5	13 15	1 5	22 49	0 26	19 24	0 11	7 29	1 1	4 54	16 51	5 25	5 10	17 40	16 19	2 47
S 17	23 24	17 31	3 59	25 16	1 47	20 47	0 47	12 38	1 3	13 11	1 5	22 49	0 26	19 24	0 11	7 29	1 1	4 54	16 51	5 29	5 11	17 40	16 21	2 47
M18	23 26	15 49	3 17	25 20	1 51	21 2	0 45	12 21	1 2	13 7	1 5	22 48	0 26	19 23	0 11	7 30	1 1	4 54	16 51	5 33	5 13	17 39	16 22	2 47
T 19	23 27	13 27	2 26	25 22	1 54	21 15	0 42	12 4	1 1	13 4	1 5	22 48	0 26	19 23	0 11	7 30	1 1	4 54	16 50	5 35	5 14	17 39	16 23	2 48
W20	23 28	10 30	1 28	25 23	1 57	21 29	0 40	11 47	1 0	13 0	1 5	22 47	0 26	19 22	0 11	7 30	1 1	4 54	16 50	5 37	5 15	17 38	16 24	2 48
T 21	23 29	7 5	0 26	25 23	2 0	21 41	0 37	11 30	0 59	12 56	1 5	22 47	0 26	19 22	0 11	7 30	1 1	4 54	16 50	5 37	5 16	17 37	16 26	2 48
F 22	23 29	3 20	0n39	25 21	2 2	21 53	0 35	11 13	0 58	12 52	1 5	22 47	0 25	19 22	0 11	7 30	1 1	4 54	16 50	5 37	5 18	17 37	16 27	2 49
S 23	23 29	0s40	1 44	25 17	2 4	22 4	0 33	10 56	0 57	12 48	1 5	22 46	0 25	19 21	0 11	7 30	1 1	4 54	16 49	5 37	5 19	17 36	16 28	2 49
S 24	23 28	4 45	2 45	25 12	2 6	22 15	0 30	10 38	0 56	12 45	1 4	22 46	0 25	19 21	0 11	7 30	1 1	4 53	16 49	5 38	5 20	17 36	16 30	2 50
M25	23 27	8 44	3 39	25 6	2 7	22 25	0 28	10 21	0 55	12 41	1 4	22 46	0 25	19 20	0 11	7 30	1 2	4 53	16 49	5 39	5 21	17 35	16 31	2 50
T 26	23 25	12 24	4 23	24 57	2 8	22 34	0 25	10 3	0 53	12 37	1 4	22 45	0 25	19 20	0 11	7 31	1 2	4 53	16 48	5 41	5 23	17 35	16 32	2 50
W27	23 23	15 28	4 52	24 48	2 9	22 43	0 23	9 46	0 52	12 33	1 4	22 45	0 25	19 19	0 11	7 31	1 2	4 53	16 48	5 44	5 24	17 34	16 33	2 51
T 28	23 21	17 38	5 2	24 36	2 9	22 51	0 20	9 28	0 51	12 29	1 4	22 44	0 25	19 19	0 11	7 31	1 2	4 53	16 48	5 48	5 25	17 34	16 34	2 51
F 29	23 17	18 37	4 52	24 23	2 9	22 58	0 18	9 10	0 50	12 24	1 4	22 44	0 25	19 19	0 11	7 31	1 2	4 52	16 47	5 53	5 26	17 33	16 35	2 52
S 30	23 14	18 16	4 21	24 8	2 8	23 4	0 15	8 52	0 49	12 20	1 4	22 43	0 25	19 18	0 11	7 31	1 2	4 52	16 47	5 56	5 28	17 33	16 36	2 52
S 31	23s10	16s36	3n31	23s52	2s 6	23s10	0n13	8s34	0s48	12s16	1s 4	22s43	0n25	19n18	0s11	7n32	1n 2	4s52	16s46	6n 0	5n29	17n32	16s38	2n53

Julian Day Number = 2307973.5, Delta T = 80.17 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'15, Lahiri = 18°22'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

JANUARY 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 40 36	10♉17'12	15♒45	23♉ 0	26♐ 2	10♓45	0♓49	9♉52	26°R45	13°R18	28°R 7	14°R43	16♍ 5	22♋23	26♏40	M 1
T 2	6 44 33	11°18'24	0♓27	24°38	27°18	11°30	1° 1	9°59	26♉44	13♍17	28♈ 7	14♍40	16° 2	22°30	26°46	T 2
W 3	6 48 29	12°19'35	14°44	26°14	28°33	12°14	1°12	10° 6	26°42	13°16	28° 7	14°D39	15°59	22°37	26°53	W 3
T 4	6 52 26	13°20'45	28°34	27°50	29°49	12°59	1°24	10°13	26°41	13°16	28° 7	14°39	15°56	22°43	26°59	T 4
F 5	6 56 22	14°21'55	11♈58	29°25	1♉ 4	13°44	1°36	10°20	26°39	13°15	28° 6	14°R40	15°52	22°50	27° 5	F 5
S 6	7 0 19	15°23'04	25° 0	0♒59	2°19	14°28	1°48	10°27	26°38	13°14	28° 6	14°39	15°49	22°57	27°11	S 6
S 7	7 4 15	16°24'13	7♉42	2°32	3°35	15°13	2° 1	10°34	26°36	13°14	28° 6	14°37	15°46	23° 3	27°17	S 7
M 8	7 8 12	17°25'21	20° 9	4° 3	4°50	15°57	2°13	10°41	26°35	13°13	28° 6	14°32	15°43	23°10	27°23	M 8
T 9	7 12 9	18°26'28	2♊25	5°32	6° 5	16°42	2°25	10°48	26°34	13°12	28° 6	14°25	15°40	23°17	27°29	T 9
W10	7 16 5	19°27'35	14°31	6°58	7°21	17°26	2°38	10°55	26°32	13°11	28° 6	14°15	15°37	23°23	27°35	W10
T 11	7 20 2	20°28'41	26°31	8°21	8°36	18°11	2°50	11° 2	26°31	13°11	28° 6	14° 5	15°33	23°30	27°41	T 11
F 12	7 23 58	21°29'46	8♋26	9°41	9°51	18°55	3° 3	11° 9	26°30	13°10	28°D 6	13°54	15°30	23°37	27°47	F 12
S 13	7 27 55	22°30'51	20°18	10°57	11° 7	19°40	3°15	11°16	26°29	13° 9	28° 6	13°43	15°27	23°44	27°53	S 13
S 14	7 31 51	23°31'55	2♌ 9	12° 8	12°22	20°24	3°28	11°23	26°28	13° 8	28° 6	13°35	15°24	23°50	27°58	S 14
M15	7 35 48	24°32'59	13°59	13°13	13°37	21° 9	3°41	11°30	26°27	13° 7	28° 6	13°28	15°21	23°57	28° 4	M15
T 16	7 39 44	25°34'02	25°52	14°12	14°53	21°53	3°54	11°37	26°26	13° 6	28° 6	13°24	15°17	24° 4	28° 9	T 16
W17	7 43 41	26°35'04	7♍49	15° 3	16° 8	22°37	4° 7	11°44	26°25	13° 5	28° 6	13°D22	15°14	24°10	28°15	W17
T 18	7 47 38	27°36'06	19°53	15°46	17°23	23°22	4°20	11°51	26°24	13° 4	28° 6	13°22	15°11	24°17	28°20	T 18
F 19	7 51 34	28°37'07	2♎ 9	16°21	18°39	24° 6	4°33	11°58	26°23	13° 3	28° 6	13°23	15° 8	24°24	28°25	F 19
S 20	7 55 31	29°38'07	14°40	16°45	19°54	24°50	4°46	12° 5	26°22	13° 2	28° 7	13°25	15° 5	24°30	28°31	S 20
S 21	7 59 27	0♒39'07	27°31	16°59	21° 9	25°34	4°59	12°11	26°22	13° 1	28° 7	13°R26	15° 2	24°37	28°36	S 21
M22	8 3 24	1°40'07	10♏46	17°R 3	22°24	26°19	5°12	12°18	26°21	12°59	28° 7	13°25	14°58	24°44	28°41	M22
T 23	8 7 20	2°41'06	24°27	16°54	23°40	27° 3	5°26	12°25	26°20	12°58	28° 7	13°23	14°55	24°50	28°46	T 23
W24	8 11 17	3°42'04	8♐37	16°35	24°55	27°47	5°39	12°32	26°20	12°57	28° 7	13°19	14°52	24°57	28°50	W24
T 25	8 15 13	4°43'02	23°13	16° 4	26°10	28°31	5°52	12°39	26°19	12°56	28° 8	13°14	14°49	25° 4	28°55	T 25
F 26	8 19 10	5°43'58	8♑11	15°23	27°26	29°15	6° 6	12°45	26°19	12°55	28° 8	13° 8	14°46	25°11	29° 0	F 26
S 27	8 23 7	6°44'54	23°23	14°32	28°41	29°59	6°19	12°52	26°18	12°53	28° 8	13° 3	14°43	25°17	29° 4	S 27
S 28	8 27 3	7°45'49	8♒40	13°34	29°56	0♈44	6°33	12°59	26°18	12°52	28° 9	12°58	14°39	25°24	29° 9	S 28
M29	8 31 0	8°46'43	23°49	12°28	1♓11	1°28	6°47	13° 5	26°18	12°51	28° 9	12°55	14°36	25°31	29°13	M29
T 30	8 34 56	9°47'35	8♓43	11°19	2°27	2°12	7° 0	13°12	26°18	12°50	28° 9	12°D54	14°33	25°37	29°18	T 30
W31	8 38 53	10♒48'26	23♓13	10♒ 7	3♒42	2♈56	7♓14	13♉18	26♉17	12♍48	28♈10	12♍54	14♍30	25♋44	29♏22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 5	13s48	2n28	23s34	2s 4	23s15	0n10	8s17	0s47	12s12	1s 4	22s43	0n25	19n18	0s11	7n32	1n 2	4s52	16s46	6n 2	5n30	17n32	16s39	2n53
T 2	23 0	10 10	1 15	23 14	2 2	23 20	0 8	7 59	0 46	12 8	1 4	22 42	0 25	19 17	0 11	7 32	1 2	4 51	16 46	6 3	5 31	17 31	16 40	2 53
W 3	22 55	6 2	0s 0	22 53	1 59	23 23	0 5	7 40	0 45	12 3	1 3	22 42	0 25	19 17	0 11	7 32	1 2	4 51	16 45	6 3	5 32	17 31	16 41	2 54
T 4	22 49	1 42	1 14	22 31	1 55	23 26	0 3	7 22	0 44	11 59	1 3	22 41	0 25	19 17	0 11	7 33	1 2	4 51	16 45	6 3	5 34	17 30	16 42	2 54
F 5	22 43	2n35	2 21	22 7	1 50	23 29	0 0	7 4	0 43	11 55	1 3	22 41	0 24	19 16	0 11	7 33	1 2	4 51	16 45	6 3	5 35	17 29	16 43	2 55
S 6	22 36	6 37	3 18	21 41	1 45	23 30	0s 2	6 46	0 42	11 50	1 3	22 40	0 24	19 16	0 11	7 33	1 2	4 50	16 44	6 3	5 36	17 29	16 44	2 55
S 7	22 29	10 15	4 5	21 14	1 39	23 31	0 5	6 28	0 41	11 46	1 3	22 40	0 24	19 16	0 11	7 33	1 2	4 50	16 44	6 4	5 37	17 28	16 45	2 56
M 8	22 21	13 21	4 38	20 47	1 32	23 31	0 7	6 10	0 40	11 41	1 3	22 39	0 24	19 15	0 11	7 34	1 2	4 50	16 44	6 6	5 39	17 28	16 45	2 56
T 9	22 13	15 48	4 59	20 18	1 25	23 30	0 10	5 51	0 39	11 37	1 3	22 39	0 24	19 15	0 11	7 34	1 2	4 49	16 43	6 9	5 40	17 27	16 46	2 57
W10	22 4	17 32	5 5	19 48	1 16	23 29	0 12	5 33	0 38	11 32	1 3	22 38	0 24	19 15	0 11	7 35	1 2	4 49	16 43	6 13	5 41	17 27	16 47	2 57
T 11	21 55	18 29	4 58	19 17	1 7	23 27	0 14	5 15	0 37	11 28	1 3	22 38	0 24	19 14	0 11	7 35	1 2	4 49	16 43	6 17	5 42	17 26	16 48	2 58
F 12	21 46	18 36	4 38	18 46	0 56	23 24	0 17	4 56	0 36	11 23	1 3	22 37	0 24	19 14	0 11	7 35	1 2	4 48	16 42	6 21	5 44	17 25	16 49	2 58
S 13	21 36	17 54	4 6	18 14	0 45	23 20	0 19	4 38	0 35	11 18	1 3	22 37	0 24	19 14	0 11	7 36	1 2	4 48	16 42	6 25	5 45	17 25	16 50	2 58
S 14	21 26	16 25	3 23	17 43	0 33	23 16	0 22	4 19	0 34	11 14	1 3	22 36	0 24	19 14	0 11	7 36	1 2	4 48	16 41	6 28	5 46	17 24	16 50	2 59
M15	21 15	14 15	2 32	17 12	0 20	23 11	0 24	4 1	0 33	11 9	1 3	22 36	0 24	19 13	0 11	7 36	1 2	4 47	16 41	6 31	5 47	17 24	16 51	2 59
T 16	21 4	11 28	1 33	16 41	0 5	23 5	0 26	3 43	0 32	11 4	1 2	22 35	0 24	19 13	0 11	7 37	1 2	4 47	16 41	6 32	5 48	17 23	16 52	3 0
W17	20 53	8 12	0 30	16 12	0n10	22 59	0 29	3 24	0 31	10 59	1 2	22 35	0 24	19 13	0 11	7 37	1 2	4 47	16 40	6 33	5 50	17 23	16 53	3 0
T 18	20 41	4 33	0n35	15 44	0 26	22 52	0 31	3 6	0 30	10 55	1 2	22 34	0 24	19 13	0 11	7 38	1 2	4 46	16 40	6 33	5 51	17 22	16 53	3 1
F 19	20 29	0 40	1 40	15 18	0 42	22 44	0 33	2 47	0 29	10 50	1 2	22 33	0 24	19 13	0 11	7 38	1 3	4 46	16 40	6 33	5 52	17 21	16 54	3 1
S 20	20 16	3s19	2 42	14 54	0 59	22 35	0 35	2 29	0 28	10 45	1 2	22 33	0 24	19 13	0 11	7 39	1 3	4 46	16 39	6 32	5 53	17 21	16 55	3 2
S 21	20 3	7 14	3 37	14 33	1 17	22 26	0 37	2 10	0 27	10 40	1 2	22 32	0 23	19 12	0 11	7 39	1 3	4 45	16 39	6 32	5 55	17 20	16 55	3 2
M22	19 50	10 56	4 22	14 15	1 35	22 16	0 40	1 52	0 26	10 35	1 2	22 32	0 23	19 12	0 11	7 40	1 3	4 45	16 39	6 32	5 56	17 20	16 56	3 3
T 23	19 36	14 10	4 54	14 1	1 53	22 6	0 42	1 33	0 25	10 30	1 2	22 31	0 23	19 12	0 11	7 40	1 3	4 44	16 38	6 33	5 57	17 19	16 56	3 4
W24	19 22	16 41	5 10	13 50	2 10	21 54	0 44	1 15	0 24	10 25	1 2	22 31	0 23	19 12	0 11	7 40	1 3	4 44	16 38	6 34	5 58	17 18	16 57	3 4
T 25	19 7	18 13	5 6	13 43	2 27	21 42	0 46	0 56	0 23	10 20	1 2	22 30	0 23	19 12	0 11	7 41	1 3	4 43	16 38	6 36	6 0	17 18	16 57	3 5
F 26	18 53	18 33	4 42	13 40	2 43	21 30	0 48	0 38	0 22	10 15	1 2	22 29	0 23	19 12	0 11	7 41	1 3	4 43	16 37	6 38	6 1	17 17	16 58	3 5
S 27	18 37	17 33	3 57	13 40	2 58	21 17	0 50	0 19	0 21	10 10	1 2	22 29	0 23	19 12	0 11	7 42	1 3	4 43	16 37	6 41	6 2	17 16	16 58	3 6
S 28	18 22	15 18	2 56	13 45	3 10	21 3	0 52	0 1	0 20	10 5	1 2	22 28	0 23	19 12	0 11	7 42	1 3	4 42	16 36	6 42	6 3	17 16	16 59	3 6
M29	18 6	12 0	1 42	13 52	3 21	20 48	0 54	0n17	0 19	10 0	1 2	22 28	0 23	19 12	0 10	7 43	1 3	4 42	16 36	6 43	6 4	17 15	16 59	3 7
T 30	17 50	7 58	0 23	14 3	3 30	20 33	0 55	0 36	0 18	9 55	1 2	22 27	0 23	19 12	0 10	7 44	1 3	4 41	16 36	6 44	6 6	17 15	17 0	3 7
W31	17s33	3s34	0s56	14s17	3n36	20s18	0s57	0n54	0s17	9s50	1s 2	22s26	0n23	19n12	0s10	7n44	1n 3	4s41	16s35	6n44	6n 7	17n14	17s 0	3n 8

Julian Day Number = 2308004.5, Delta T = 80.07 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'19, Lahiri = 18°22'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

FEBRUARY 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 42 49	11♒49'15	7♈16	8°R54	4♒57	3♈40	7♓28	13♑25	26°R17	12°R47	28♈10	12♍55	14♍27	25♋51	29♏26	T 1
F 2	8 46 46	12°50'03	20°52	7♒43	6°12	4°24	7°42	13°31	26♉17	12♍45	28°11	12°57	14°23	25°57	29°30	F 2
S 3	8 50 42	13°50'50	4♉ 1	6°35	7°28	5° 7	7°56	13°38	26°D17	12°44	28°11	12°58	14°20	26° 4	29°34	S 3
S 4	8 54 39	14°51'34	16°48	5°32	8°43	5°51	8°10	13°44	26°17	12°43	28°12	12°R59	14°17	26°11	29°38	S 4
M 5	8 58 36	15°52'18	29°15	4°35	9°58	6°35	8°24	13°51	26°17	12°41	28°12	12°58	14°14	26°17	29°42	M 5
T 6	9 2 32	16°52'59	11♊27	3°45	11°13	7°19	8°38	13°57	26°17	12°40	28°13	12°56	14°11	26°24	29°46	T 6
W 7	9 6 29	17°53'39	23°28	3° 3	12°28	8° 3	8°52	14° 3	26°17	12°38	28°13	12°52	14° 8	26°31	29°49	W 7
T 8	9 10 25	18°54'18	5♋23	2°28	13°44	8°46	9° 6	14°10	26°18	12°37	28°14	12°48	14° 4	26°38	29°53	T 8
F 9	9 14 22	19°54'54	17°14	2° 2	14°59	9°30	9°20	14°16	26°18	12°35	28°15	12°44	14° 1	26°44	29°56	F 9
S 10	9 18 18	20°55'30	29° 4	1°43	16°14	10°14	9°34	14°22	26°18	12°34	28°15	12°40	13°58	26°51	29°59	S 10
S 11	9 22 15	21°56'03	10♌55	1°32	17°29	10°57	9°48	14°28	26°19	12°32	28°16	12°37	13°55	26°58	0♐ 2	S 11
M12	9 26 11	22°56'35	22°50	1°D28	18°44	11°41	10° 2	14°34	26°19	12°31	28°16	12°35	13°52	27° 4	0° 6	M12
T 13	9 30 8	23°57'05	4♍50	1°32	19°59	12°24	10°16	14°40	26°20	12°29	28°17	12°34	13°49	27°11	0° 9	T 13
W14	9 34 5	24°57'34	16°57	1°41	21°14	13° 8	10°31	14°46	26°20	12°28	28°18	12°D34	13°45	27°18	0°11	W14
T 15	9 38 1	25°58'01	29°13	1°57	22°29	13°51	10°45	14°52	26°21	12°26	28°18	12°34	13°42	27°24	0°14	T 15
F 16	9 41 58	26°58'27	11♎41	2°19	23°44	14°35	10°59	14°58	26°21	12°24	28°19	12°35	13°39	27°31	0°17	F 16
S 17	9 45 54	27°58'51	24°21	2°46	25° 0	15°18	11°14	15° 4	26°22	12°23	28°20	12°37	13°36	27°38	0°20	S 17
S 18	9 49 51	28°59'14	7♏18	3°19	26°15	16° 2	11°28	15° 9	26°23	12°21	28°21	12°38	13°33	27°44	0°22	S 18
M19	9 53 47	29°59'36	20°33	3°55	27°30	16°45	11°42	15°15	26°24	12°20	28°22	12°39	13°29	27°51	0°24	M19
T 20	9 57 44	0♓59'56	4♐ 9	4°36	28°45	17°28	11°57	15°21	26°25	12°18	28°22	12°R39	13°26	27°58	0°27	T 20
W21	10 1 40	2° 0'15	18° 6	5°21	29°59	18°11	12°11	15°26	26°25	12°16	28°23	12°38	13°23	28° 4	0°29	W21
T 22	10 5 37	3° 0'32	2♑25	6°10	1♓15	18°55	12°26	15°32	26°26	12°15	28°24	12°38	13°20	28°11	0°31	T 22
F 23	10 9 34	4° 0'48	17° 2	7° 2	2°30	19°38	12°40	15°37	26°27	12°13	28°25	12°37	13°17	28°18	0°33	F 23
S 24	10 13 30	5° 1'02	1♒52	7°57	3°45	20°21	12°54	15°43	26°28	12°11	28°26	12°36	13°14	28°24	0°35	S 24
S 25	10 17 27	6° 1'15	16°50	8°55	5° 0	21° 4	13° 9	15°48	26°30	12°10	28°27	12°35	13°10	28°31	0°37	S 25
M26	10 21 23	7° 1'26	1♓47	9°56	6°15	21°47	13°23	15°54	26°31	12° 8	28°28	12°35	13° 7	28°38	0°38	M26
T 27	10 25 20	8° 1'35	16°35	10°59	7°30	22°30	13°38	15°59	26°32	12° 6	28°28	12°D34	13° 4	28°45	0°40	T 27
W28	10 29 16	9♓ 1'42	1♈ 5	12♒ 4	8♓45	23♈13	13♓52	16♑ 4	26♉33	12♍ 5	28♈29	12♍35	13♍ 1	28♋51	0♐41	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17s17	0n54	2s10	14s32	3n40	20s 1	0s59	1n12	0s16	9s44	1s 2	22s26	0n23	19n12	0s10	7n45	1n 3	4s40	16s35	6n43	6n 8	17n13	17s 0	3n 8	T 1
F 2	17 0	5 11	3 13	14 49	3 41	19 44	1 1	1 31	0 15	9 39	1 2	22 25	0 23	19 12	0 10	7 45	1 3	4 40	16 35	6 43	6 9	17 13	17 1	3 9	F 2
S 3	16 42	9 3	4 4	15 6	3 41	19 27	1 2	1 49	0 15	9 34	1 2	22 25	0 23	19 12	0 10	7 46	1 3	4 39	16 34	6 42	6 11	17 12	17 1	3 9	S 3
S 4	16 25	12 23	4 42	15 25	3 37	19 9	1 4	2 7	0 14	9 29	1 2	22 24	0 23	19 12	0 10	7 46	1 3	4 39	16 34	6 42	6 12	17 11	17 1	3 10	S 4
M 5	16 7	15 4	5 5	15 43	3 32	18 50	1 6	2 25	0 13	9 24	1 2	22 23	0 23	19 12	0 10	7 47	1 3	4 38	16 34	6 42	6 13	17 11	17 1	3 11	M 5
T 6	15 48	17 1	5 14	16 1	3 26	18 31	1 7	2 44	0 12	9 18	1 2	22 23	0 23	19 12	0 10	7 48	1 3	4 38	16 33	6 43	6 14	17 10	17 2	3 11	T 6
W 7	15 30	18 11	5 9	16 19	3 17	18 11	1 8	3 2	0 11	9 13	1 2	22 22	0 23	19 12	0 10	7 48	1 3	4 37	16 33	6 44	6 16	17 9	17 2	3 12	W 7
T 8	15 11	18 33	4 50	16 36	3 8	17 51	1 10	3 20	0 10	9 8	1 2	22 22	0 22	19 12	0 10	7 49	1 3	4 37	16 33	6 46	6 17	17 9	17 2	3 12	T 8
F 9	14 52	18 5	4 19	16 52	2 57	17 31	1 11	3 38	0 9	9 2	1 2	22 21	0 22	19 12	0 10	7 49	1 3	4 36	16 32	6 48	6 18	17 8	17 2	3 13	F 9
S 10	14 33	16 51	3 37	17 7	2 46	17 9	1 13	3 56	0 8	8 57	1 2	22 20	0 22	19 12	0 10	7 50	1 3	4 36	16 32	6 49	6 19	17 7	17 2	3 13	S 10
S 11	14 14	14 52	2 46	17 21	2 34	16 48	1 14	4 14	0 8	8 52	1 2	22 20	0 22	19 12	0 10	7 51	1 3	4 35	16 32	6 50	6 20	17 7	17 2	3 14	S 11
M12	13 54	12 15	1 47	17 34	2 22	16 26	1 15	4 32	0 7	8 46	1 2	22 19	0 22	19 12	0 10	7 51	1 3	4 35	16 31	6 51	6 22	17 6	17 2	3 15	M12
T 13	13 34	9 6	0 43	17 45	2 10	16 3	1 16	4 49	0 6	8 41	1 2	22 19	0 22	19 12	0 10	7 52	1 3	4 34	16 31	6 52	6 23	17 5	17 2	3 15	T 13
W14	13 14	5 32	0n24	17 55	1 57	15 40	1 17	5 7	0 5	8 35	1 2	22 18	0 22	19 12	0 10	7 52	1 3	4 34	16 31	6 52	6 24	17 5	17 2	3 16	W14
T 15	12 53	1 42	1 31	18 4	1 45	15 17	1 18	5 25	0 4	8 30	1 1	22 17	0 22	19 13	0 10	7 53	1 3	4 33	16 30	6 51	6 25	17 4	17 2	3 16	T 15
F 16	12 33	2s16	2 34	18 11	1 32	14 53	1 19	5 42	0 3	8 24	1 1	22 17	0 22	19 13	0 10	7 54	1 3	4 33	16 30	6 51	6 27	17 3	17 2	3 17	F 16
S 17	12 12	6 11	3 31	18 17	1 20	14 28	1 20	6 0	0 3	8 19	1 1	22 16	0 22	19 13	0 10	7 54	1 3	4 32	16 30	6 50	6 28	17 3	17 2	3 18	S 17
S 18	11 51	9 54	4 19	18 22	1 7	14 4	1 21	6 17	0 2	8 14	1 1	22 16	0 22	19 13	0 10	7 55	1 3	4 31	16 29	6 50	6 29	17 2	17 2	3 18	S 18
M19	11 30	13 12	4 54	18 25	0 55	13 39	1 22	6 35	0 1	8 8	1 1	22 15	0 22	19 13	0 10	7 56	1 3	4 31	16 29	6 50	6 30	17 1	17 2	3 19	M19
T 20	11 8	15 53	5 14	18 27	0 43	13 13	1 22	6 52	0 0	8 3	1 2	22 14	0 22	19 14	0 10	7 56	1 3	4 30	16 29	6 50	6 31	17 1	17 2	3 19	T 20
W21	10 47	17 43	5 16	18 27	0 32	12 47	1 23	7 9	0n 1	7 57	1 2	22 14	0 22	19 14	0 10	7 57	1 3	4 30	16 29	6 50	6 33	17 0	17 2	3 20	W21
T 22	10 25	18 29	4 59	18 26	0 21	12 21	1 24	7 27	0 2	7 52	1 2	22 13	0 22	19 14	0 10	7 57	1 3	4 29	16 28	6 50	6 34	16 59	17 2	3 21	T 22
F 23	10 3	18 4	4 22	18 24	0 10	11 55	1 24	7 44	0 2	7 46	1 2	22 13	0 22	19 14	0 10	7 58	1 3	4 29	16 28	6 50	6 35	16 59	17 2	3 21	F 23
S 24	9 41	16 25	3 27	18 20	0s 1	11 28	1 25	8 1	0 3	7 40	1 2	22 12	0 22	19 15	0 10	7 59	1 3	4 28	16 28	6 51	6 36	16 58	17 1	3 22	S 24
S 25	9 19	13 38	2 18	18 15	0 11	11 1	1 25	8 18	0 4	7 35	1 2	22 12	0 22	19 15	0 10	7 59	1 3	4 28	16 27	6 51	6 38	16 57	17 1	3 22	S 25
M26	8 57	9 56	1 0	18 8	0 21	10 34	1 25	8 35	0 5	7 29	1 2	22 11	0 22	19 15	0 10	8 0	1 3	4 27	16 27	6 51	6 39	16 56	17 1	3 23	M26
T 27	8 35	5 39	0s22	18 0	0 30	10 6	1 26	8 51	0 5	7 24	1 2	22 10	0 22	19 15	0 10	8 1	1 3	4 26	16 27	6 51	6 40	16 56	17 1	3 24	T 27
W28	8s12	1s 7	1s41	17s50	0s40	9s38	1s26	9n 8	0n 6	7s18	1s 2	22s10	0n21	19n16	0s10	8n 1	1n 3	4s26	16s27	6n51	6n41	16n55	17s 0	3n24	W28

Julian Day Number = 2308035.5, Delta T = 79.97 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'24, Lahiri = 18°22'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

MARCH 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 33 13	10♓ 1'47	15♈14	13♒12	9♓59	23♈56	14♓ 7	16♑ 9	26♉35	12°R 3	28♈30	12♍35	12♍58	28♋58	0♐43	T 1
F 2	10 37 9	11° 1'50	28°58	14°22	11°14	24°39	14°21	16°14	26°36	12♍ 1	28°31	12°35	12°54	29° 5	0°44	F 2
S 3	10 41 6	12° 1'50	12♉16	15°34	12°29	25°22	14°36	16°19	26°37	12° 0	28°32	12°35	12°51	29°11	0°45	S 3
S 4	10 45 2	13° 1'49	25° 9	16°48	13°44	26° 5	14°50	16°24	26°39	11°58	28°33	12°R35	12°48	29°18	0°46	S 4
M 5	10 48 59	14° 1'46	7♊41	18° 4	14°59	26°48	15° 5	16°29	26°40	11°56	28°34	12°D35	12°45	29°25	0°47	M 5
T 6	10 52 56	15° 1'40	19°56	19°21	16°14	27°30	15°19	16°34	26°42	11°55	28°35	12°35	12°42	29°31	0°48	T 6
W 7	10 56 52	16° 1'32	1♋58	20°40	17°29	28°13	15°34	16°38	26°43	11°53	28°36	12°35	12°39	29°38	0°48	W 7
T 8	11 0 49	17° 1'22	13°51	22° 1	18°43	28°56	15°48	16°43	26°45	11°51	28°38	12°36	12°35	29°45	0°49	T 8
F 9	11 4 45	18° 1'10	25°41	23°23	19°58	29°38	16° 3	16°48	26°47	11°50	28°39	12°36	12°32	29°51	0°50	F 9
S 10	11 8 42	19° 0'55	7♌31	24°47	21°13	0♉21	16°18	16°52	26°49	11°48	28°40	12°37	12°29	29°58	0°50	S 10
S 11	11 12 38	20° 0'38	19°25	26°12	22°28	1° 3	16°32	16°56	26°50	11°46	28°41	12°38	12°26	0♌ 5	0°50	S 11
M12	11 16 35	21° 0'20	1♍25	27°38	23°42	1°46	16°47	17° 1	26°52	11°45	28°42	12°38	12°23	0°11	0°50	M12
T 13	11 20 31	21°59'59	13°35	29° 6	24°57	2°28	17° 1	17° 5	26°54	11°43	28°43	12°R38	12°20	0°18	0°R50	T 13
W14	11 24 28	22°59'35	25°56	0♓36	26°12	3°11	17°15	17° 9	26°56	11°41	28°44	12°38	12°16	0°25	0°50	W14
T 15	11 28 25	23°59'10	8♎30	2° 6	27°26	3°53	17°30	17°13	26°58	11°40	28°45	12°37	12°13	0°31	0°50	T 15
F 16	11 32 21	24°58'43	21°16	3°38	28°41	4°35	17°44	17°17	27° 0	11°38	28°46	12°36	12°10	0°38	0°50	F 16
S 17	11 36 18	25°58'14	4♏17	5°12	29°56	5°18	17°59	17°21	27° 2	11°37	28°48	12°34	12° 7	0°45	0°50	S 17
S 18	11 40 14	26°57'43	17°31	6°47	1♈10	6° 0	18°13	17°25	27° 4	11°35	28°49	12°32	12° 4	0°51	0°49	S 18
M19	11 44 11	27°57'11	0♐59	8°23	2°25	6°42	18°28	17°29	27° 6	11°33	28°50	12°30	12° 0	0°58	0°49	M19
T 20	11 48 7	28°56'36	14°40	10° 0	3°39	7°24	18°42	17°33	27° 8	11°32	28°51	12°29	11°57	1° 5	0°48	T 20
W21	11 52 4	29°56'00	28°35	11°39	4°54	8° 7	18°57	17°36	27°11	11°30	28°52	12°D29	11°54	1°12	0°47	W21
T 22	11 56 0	0♈55'22	12♑42	13°19	6° 8	8°49	19°11	17°40	27°13	11°29	28°54	12°29	11°51	1°18	0°46	T 22
F 23	11 59 57	1°54'43	27° 0	15° 1	7°23	9°31	19°25	17°43	27°15	11°27	28°55	12°30	11°48	1°25	0°45	F 23
S 24	12 3 54	2°54'01	11♒26	16°43	8°37	10°13	19°40	17°47	27°17	11°26	28°56	12°31	11°45	1°32	0°44	S 24
S 25	12 7 50	3°53'18	25°57	18°28	9°52	10°55	19°54	17°50	27°20	11°24	28°57	12°32	11°41	1°38	0°43	S 25
M26	12 11 47	4°52'33	10♓29	20°13	11° 6	11°37	20° 8	17°53	27°22	11°23	28°59	12°R33	11°38	1°45	0°42	M26
T 27	12 15 43	5°51'46	24°55	22° 0	12°21	12°19	20°22	17°56	27°25	11°21	29° 0	12°33	11°35	1°52	0°40	T 27
W28	12 19 40	6°50'56	9♈10	23°48	13°35	13° 0	20°37	17°59	27°27	11°20	29° 1	12°31	11°32	1°58	0°39	W28
T 29	12 23 36	7°50'05	23°10	25°38	14°50	13°42	20°51	18° 2	27°30	11°18	29° 3	12°28	11°29	2° 5	0°37	T 29
F 30	12 27 33	8°49'12	6♉49	27°29	16° 4	14°24	21° 5	18° 5	27°32	11°17	29° 4	12°24	11°25	2°12	0°36	F 30
S 31	12 31 29	9♈48'16	20♉ 8	29♓22	17♈18	15♉ 6	21♓19	18♑ 8	27♉35	11♍15	29♈ 5	12♍20	11♍22	2♌18	0♐34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s49	3n22	2s52	17s40	0s48	9s10	1s26	9n25	0n 7	7s13	1s 2	22s 9	0n21	19n16	0s10	8n 2	1n 4	4s25	16s26	6n51	6n42	16n54	17s 0	3n25
F 2	7 27	7 32	3 50	17 27	0 57	8 41	1 26	9 41	0 8	7 7	1 2	22 9	0 21	19 16	0 10	8 3	1 4	4 25	16 26	6 51	6 44	16 54	17 0	3 25
S 3	7 4	11 11	4 34	17 14	1 5	8 13	1 26	9 58	0 8	7 1	1 2	22 8	0 21	19 17	0 10	8 3	1 4	4 24	16 26	6 51	6 45	16 53	16 59	3 26
S 4	6 41	14 11	5 3	16 59	1 12	7 44	1 26	10 14	0 9	6 56	1 2	22 8	0 21	19 17	0 10	8 4	1 4	4 24	16 25	6 51	6 46	16 52	16 59	3 27
M 5	6 18	16 26	5 17	16 43	1 20	7 15	1 26	10 30	0 10	6 50	1 2	22 7	0 21	19 17	0 10	8 5	1 4	4 23	16 25	6 51	6 47	16 51	16 58	3 27
T 6	5 55	17 52	5 15	16 25	1 26	6 46	1 26	10 46	0 11	6 45	1 2	22 7	0 21	19 18	0 10	8 5	1 4	4 22	16 25	6 51	6 48	16 51	16 58	3 28
W 7	5 31	18 29	5 0	16 6	1 33	6 16	1 25	11 2	0 11	6 39	1 2	22 6	0 21	19 18	0 10	8 6	1 4	4 22	16 25	6 51	6 50	16 50	16 58	3 29
T 8	5 8	18 16	4 32	15 45	1 39	5 47	1 25	11 18	0 12	6 33	1 2	22 5	0 21	19 19	0 10	8 7	1 4	4 21	16 24	6 51	6 51	16 49	16 57	3 29
F 9	4 45	17 15	3 52	15 24	1 44	5 17	1 25	11 34	0 13	6 28	1 2	22 5	0 21	19 19	0 10	8 7	1 4	4 21	16 24	6 51	6 52	16 48	16 57	3 30
S 10	4 21	15 29	3 3	15 1	1 50	4 47	1 24	11 50	0 13	6 22	1 2	22 4	0 21	19 19	0 10	8 8	1 4	4 20	16 24	6 50	6 53	16 48	16 56	3 30
S 11	3 58	13 3	2 5	14 36	1 54	4 17	1 24	12 5	0 14	6 17	1 2	22 4	0 21	19 20	0 10	8 8	1 4	4 19	16 24	6 50	6 55	16 47	16 56	3 31
M12	3 34	10 2	1 2	14 11	1 59	3 47	1 23	12 21	0 15	6 11	1 2	22 3	0 21	19 20	0 10	8 9	1 4	4 19	16 24	6 50	6 56	16 46	16 55	3 32
T 13	3 11	6 33	0n 5	13 44	2 3	3 17	1 23	12 36	0 16	6 5	1 2	22 3	0 21	19 21	0 10	8 10	1 4	4 18	16 23	6 50	6 57	16 45	16 54	3 32
W14	2 47	2 44	1 13	13 15	2 6	2 46	1 22	12 51	0 16	6 0	1 2	22 2	0 21	19 21	0 10	8 10	1 4	4 18	16 23	6 50	6 58	16 45	16 54	3 33
T 15	2 24	1s15	2 19	12 46	2 9	2 16	1 21	13 6	0 17	5 54	1 2	22 2	0 21	19 22	0 10	8 11	1 4	4 17	16 23	6 50	6 59	16 44	16 53	3 33
F 16	2 0	5 15	3 18	12 15	2 12	1 45	1 20	13 21	0 18	5 49	1 2	22 1	0 21	19 22	0 10	8 12	1 4	4 17	16 23	6 51	7 1	16 43	16 52	3 34
S 17	1 36	9 4	4 9	11 42	2 14	1 15	1 20	13 36	0 18	5 43	1 2	22 1	0 21	19 23	0 10	8 12	1 4	4 16	16 22	6 51	7 2	16 42	16 52	3 35
S 18	1 13	12 30	4 47	11 9	2 16	0 44	1 19	13 51	0 19	5 37	1 2	22 1	0 21	19 23	0 10	8 13	1 4	4 15	16 22	6 52	7 3	16 42	16 51	3 35
M19	0 49	15 20	5 10	10 34	2 17	0 14	1 18	14 5	0 20	5 32	1 2	22 0	0 21	19 24	0 10	8 13	1 4	4 15	16 22	6 53	7 4	16 41	16 50	3 36
T 20	0 25	17 22	5 16	9 58	2 18	0n17	1 17	14 20	0 20	5 26	1 2	22 0	0 21	19 24	0 10	8 14	1 4	4 14	16 22	6 53	7 6	16 40	16 50	3 37
W21	0 2	18 25	5 4	9 21	2 19	0 48	1 16	14 34	0 21	5 21	1 3	21 59	0 21	19 25	0 10	8 15	1 4	4 14	16 22	6 54	7 7	16 39	16 49	3 37
T 22	0n22	18 21	4 33	8 42	2 19	1 18	1 14	14 48	0 21	5 15	1 3	21 59	0 20	19 25	0 10	8 15	1 4	4 13	16 22	6 53	7 8	16 38	16 48	3 38
F 23	0 46	17 6	3 46	8 2	2 18	1 49	1 13	15 2	0 22	5 9	1 3	21 58	0 20	19 26	0 10	8 16	1 4	4 12	16 21	6 53	7 9	16 38	16 47	3 38
S 24	1 9	14 46	2 43	7 22	2 17	2 19	1 12	15 16	0 23	5 4	1 3	21 58	0 20	19 26	0 10	8 16	1 4	4 12	16 21	6 53	7 10	16 37	16 47	3 39
S 25	1 33	11 29	1 30	6 39	2 16	2 50	1 11	15 30	0 23	4 58	1 3	21 58	0 20	19 27	0 10	8 17	1 4	4 11	16 21	6 52	7 12	16 36	16 46	3 40
M26	1 56	7 29	0 11	5 56	2 14	3 20	1 9	15 44	0 24	4 53	1 3	21 57	0 20	19 27	0 10	8 18	1 4	4 11	16 21	6 52	7 13	16 35	16 45	3 40
T 27	2 20	3 4	1s 8	5 11	2 11	3 51	1 8	15 57	0 25	4 47	1 3	21 57	0 20	19 28	0 9	8 18	1 4	4 10	16 21	6 52	7 14	16 34	16 44	3 41
W28	2 43	1n28	2 21	4 26	2 8	4 21	1 6	16 10	0 25	4 42	1 3	21 57	0 20	19 29	0 9	8 19	1 4	4 10	16 21	6 53	7 15	16 34	16 43	3 41
T 29	3 7	5 50	3 25	3 39	2 5	4 51	1 5	16 24	0 26	4 36	1 3	21 56	0 20	19 29	0 9	8 19	1 4	4 9	16 20	6 54	7 16	16 33	16 42	3 42
F 30	3 30	9 48	4 15	2 51	2 1	5 22	1 3	16 37	0 26	4 31	1 3	21 56	0 20	19 30	0 9	8 20	1 4	4 8	16 20	6 55	7 18	16 32	16 41	3 42
S 31	3n53	13n 9	4s50	2s 2	1s57	5n52	1s 2	16n50	0n27	4s25	1s 3	21s56	0n20	19n30	0s 9	8n20	1n 4	4s 8	16s20	6n57	7n19	16n31	16s40	3n43

Julian Day Number = 2308063.5, Delta T = 79.89 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'27, Lahiri = 18°22'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

APRIL 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 35 26	10♈47'19	3♊ 4	1♈16	18♈33	15♉47	21♓33	18♑11	27♉37	11°R14	29♈ 6	12°R16	11♍19	2♌25	0°R32	S 1
M 2	12 39 22	11°46'19	15°39	3°11	19°47	16°29	21°47	18°13	27°40	11♍12	29° 8	12♍12	11°16	2°32	0♐30	M 2
T 3	12 43 19	12°45'16	27°57	5° 8	21° 1	17°11	22° 1	18°16	27°43	11°11	29° 9	12°10	11°13	2°38	0°28	T 3
W 4	12 47 16	13°44'12	10♋ 0	7° 6	22°16	17°52	22°15	18°18	27°46	11°10	29°10	12°D 9	11°10	2°45	0°26	W 4
T 5	12 51 12	14°43'05	21°55	9° 6	23°30	18°34	22°29	18°20	27°48	11° 8	29°12	12° 9	11° 6	2°52	0°23	T 5
F 6	12 55 9	15°41'56	3♌45	11° 7	24°44	19°15	22°43	18°23	27°51	11° 7	29°13	12°10	11° 3	2°58	0°21	F 6
S 7	12 59 5	16°40'44	15°35	13° 9	25°58	19°57	22°57	18°25	27°54	11° 6	29°14	12°12	11° 0	3° 5	0°19	S 7
S 8	13 3 2	17°39'31	27°31	15°12	27°12	20°38	23°11	18°27	27°57	11° 4	29°16	12°13	10°57	3°12	0°16	S 8
M 9	13 6 58	18°38'15	9♍37	17°16	28°27	21°20	23°25	18°29	28° 0	11° 3	29°17	12°R14	10°54	3°18	0°14	M 9
T 10	13 10 55	19°36'57	21°56	19°22	29°41	22° 1	23°39	18°31	28° 3	11° 2	29°19	12°14	10°51	3°25	0°11	T 10
W11	13 14 51	20°35'36	4♎31	21°28	0♉55	22°42	23°52	18°32	28° 5	11° 1	29°20	12°12	10°47	3°32	0° 8	W11
T 12	13 18 48	21°34'14	17°22	23°34	2° 9	23°23	24° 6	18°34	28° 8	11° 0	29°21	12° 8	10°44	3°38	0° 5	T 12
F 13	13 22 45	22°32'50	0♏31	25°42	3°23	24° 5	24°20	18°36	28°11	10°58	29°23	12° 2	10°41	3°45	0° 3	F 13
S 14	13 26 41	23°31'24	13°57	27°49	4°37	24°46	24°33	18°37	28°14	10°57	29°24	11°56	10°38	3°52	29♏59	S 14
S 15	13 30 38	24°29'56	27°36	29°56	5°51	25°27	24°47	18°38	28°18	10°56	29°25	11°49	10°35	3°58	29°56	S 15
M16	13 34 34	25°28'26	11♐27	2♉ 3	7° 5	26° 8	25° 0	18°40	28°21	10°55	29°27	11°42	10°31	4° 5	29°53	M16
T 17	13 38 31	26°26'55	25°26	4°10	8°19	26°49	25°14	18°41	28°24	10°54	29°28	11°37	10°28	4°12	29°50	T 17
W18	13 42 27	27°25'22	9♑30	6°15	9°33	27°30	25°27	18°42	28°27	10°53	29°30	11°34	10°25	4°18	29°47	W18
T 19	13 46 24	28°23'47	23°38	8°19	10°47	28°11	25°41	18°43	28°30	10°52	29°31	11°D32	10°22	4°25	29°44	T 19
F 20	13 50 20	29°22'11	7♒48	10°22	12° 1	28°52	25°54	18°44	28°33	10°51	29°32	11°32	10°19	4°32	29°40	F 20
S 21	13 54 17	0♉20'33	21°57	12°23	13°14	29°33	26° 7	18°45	28°36	10°50	29°34	11°33	10°16	4°38	29°37	S 21
S 22	13 58 14	1°18'54	6♓ 5	14°22	14°28	0♊14	26°20	18°45	28°39	10°49	29°35	11°R34	10°12	4°45	29°33	S 22
M23	14 2 10	2°17'13	20°10	16°18	15°42	0°55	26°33	18°46	28°43	10°48	29°36	11°34	10° 9	4°52	29°30	M23
T 24	14 6 7	3°15'30	4♈ 9	18°11	16°56	1°36	26°46	18°46	28°46	10°47	29°38	11°32	10° 6	4°58	29°26	T 24
W25	14 10 3	4°13'46	18° 0	20° 2	18°10	2°16	26°59	18°47	28°49	10°46	29°39	11°27	10° 3	5° 5	29°22	W25
T 26	14 14 0	5°12'00	1♉39	21°49	19°24	2°57	27°12	18°47	28°52	10°45	29°41	11°21	10° 0	5°12	29°18	T 26
F 27	14 17 56	6°10'13	15° 3	23°33	20°37	3°38	27°25	18°47	28°56	10°45	29°42	11°12	9°57	5°18	29°15	F 27
S 28	14 21 53	7° 8'23	28°11	25°14	21°51	4°18	27°38	18°47	28°59	10°44	29°43	11° 2	9°53	5°25	29°11	S 28
S 29	14 25 49	8° 6'32	11♊ 1	26°50	23° 5	4°59	27°51	18°R47	29° 2	10°43	29°45	10°52	9°50	5°32	29° 7	S 29
M30	14 29 46	9♉ 4'39	23♊33	28♉24	24♉18	5♊40	28♓ 3	18♑47	29♉ 6	10♍42	29♈46	10♍43	9♍47	5♌38	29♏ 3	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n17	15n45	5s 9	1s12	1s52	6n22	1s 0	17n 2	0n28	4s20	1s 3	21s55	0n20	19n31	0s 9	8n21	1n 4	4s 7	16s20	6n58	7n20	16n30	16s39	3n44
M 2	4 40	17 32	5 13	0 21	1 46	6 51	0 58	17 15	0 28	4 14	1 3	21 55	0 20	19 32	0 9	8 21	1 4	4 7	16 20	7 0	7 21	16 30	16 38	3 44
T 3	5 3	18 27	5 2	0n31	1 40	7 21	0 56	17 27	0 29	4 9	1 4	21 55	0 20	19 32	0 9	8 22	1 4	4 6	16 20	7 1	7 22	16 29	16 37	3 45
W 4	5 26	18 30	4 37	1 24	1 33	7 50	0 55	17 40	0 29	4 3	1 4	21 54	0 20	19 33	0 9	8 22	1 4	4 6	16 20	7 1	7 24	16 28	16 36	3 45
T 5	5 49	17 44	4 1	2 17	1 26	8 20	0 53	17 52	0 30	3 58	1 4	21 54	0 20	19 34	0 9	8 23	1 4	4 5	16 20	7 1	7 25	16 27	16 35	3 46
F 6	6 11	16 12	3 15	3 12	1 19	8 49	0 51	18 4	0 30	3 52	1 4	21 54	0 20	19 34	0 9	8 23	1 3	4 5	16 20	7 1	7 26	16 26	16 34	3 47
S 7	6 34	13 57	2 21	4 7	1 11	9 18	0 49	18 16	0 31	3 47	1 4	21 54	0 20	19 35	0 9	8 24	1 3	4 4	16 19	7 0	7 27	16 25	16 33	3 47
S 8	6 57	11 7	1 20	5 2	1 2	9 46	0 47	18 27	0 32	3 41	1 4	21 53	0 20	19 35	0 9	8 24	1 3	4 4	16 19	6 59	7 29	16 25	16 32	3 48
M 9	7 19	7 45	0 14	5 58	0 54	10 15	0 45	18 39	0 32	3 36	1 4	21 53	0 20	19 36	0 9	8 25	1 3	4 3	16 19	6 59	7 30	16 24	16 31	3 48
T 10	7 41	4 1	0n53	6 55	0 44	10 43	0 43	18 50	0 33	3 31	1 4	21 53	0 20	19 37	0 9	8 25	1 3	4 2	16 19	6 59	7 31	16 23	16 30	3 49
W11	8 4	0 1	1 58	7 51	0 35	11 11	0 41	19 1	0 33	3 25	1 4	21 53	0 20	19 37	0 9	8 26	1 3	4 2	16 19	7 0	7 32	16 22	16 29	3 49
T 12	8 26	4s 4	2 59	8 48	0 24	11 38	0 39	19 12	0 34	3 20	1 4	21 53	0 20	19 38	0 9	8 26	1 3	4 1	16 19	7 2	7 33	16 21	16 28	3 50
F 13	8 47	8 3	3 52	9 44	0 14	12 6	0 36	19 23	0 34	3 15	1 5	21 52	0 19	19 39	0 9	8 27	1 3	4 1	16 19	7 4	7 35	16 20	16 27	3 50
S 14	9 9	11 42	4 33	10 40	0 4	12 33	0 34	19 34	0 35	3 9	1 5	21 52	0 19	19 40	0 9	8 27	1 3	4 0	16 19	7 6	7 36	16 20	16 26	3 51
S 15	9 31	14 48	5 0	11 35	0n 7	13 0	0 32	19 44	0 35	3 4	1 5	21 52	0 19	19 40	0 9	8 27	1 3	4 0	16 19	7 9	7 37	16 19	16 25	3 51
M16	9 52	17 6	5 9	12 30	0 18	13 26	0 30	19 54	0 36	2 59	1 5	21 52	0 19	19 41	0 9	8 28	1 3	3 59	16 19	7 11	7 38	16 18	16 23	3 52
T 17	10 14	18 25	5 0	13 23	0 29	13 52	0 27	20 4	0 36	2 54	1 5	21 52	0 19	19 42	0 9	8 28	1 3	3 59	16 19	7 13	7 39	16 17	16 22	3 52
W18	10 35	18 36	4 33	14 16	0 40	14 18	0 25	20 14	0 37	2 48	1 5	21 52	0 19	19 42	0 9	8 29	1 3	3 58	16 19	7 15	7 41	16 16	16 21	3 53
T 19	10 56	17 38	3 50	15 6	0 51	14 44	0 23	20 24	0 37	2 43	1 5	21 52	0 19	19 43	0 9	8 29	1 3	3 58	16 19	7 15	7 42	16 15	16 20	3 53
F 20	11 16	15 35	2 52	15 56	1 1	15 9	0 20	20 34	0 38	2 38	1 5	21 52	0 19	19 44	0 9	8 29	1 3	3 57	16 19	7 15	7 43	16 14	16 19	3 54
S 21	11 37	12 35	1 44	16 43	1 11	15 34	0 18	20 43	0 38	2 33	1 5	21 52	0 19	19 44	0 9	8 30	1 3	3 57	16 19	7 15	7 44	16 14	16 18	3 54
S 22	11 57	8 50	0 30	17 28	1 21	15 58	0 16	20 52	0 39	2 28	1 6	21 51	0 19	19 45	0 9	8 30	1 3	3 57	16 19	7 14	7 45	16 13	16 16	3 55
M23	12 18	4 37	0s46	18 12	1 31	16 22	0 13	21 1	0 39	2 23	1 6	21 51	0 19	19 46	0 9	8 30	1 3	3 56	16 19	7 14	7 47	16 12	16 15	3 55
T 24	12 38	0 10	1 59	18 53	1 40	16 45	0 11	21 10	0 40	2 18	1 6	21 51	0 19	19 47	0 9	8 31	1 3	3 56	16 19	7 15	7 48	16 11	16 14	3 56
W25	12 57	4n15	3 3	19 31	1 48	17 9	0 8	21 19	0 40	2 12	1 6	21 51	0 19	19 47	0 9	8 31	1 3	3 55	16 19	7 17	7 49	16 10	16 13	3 56
T 26	13 17	8 23	3 56	20 8	1 56	17 31	0 6	21 27	0 41	2 7	1 6	21 51	0 19	19 48	0 9	8 31	1 3	3 55	16 19	7 19	7 50	16 9	16 11	3 57
F 27	13 36	12 0	4 34	20 41	2 4	17 53	0 3	21 36	0 41	2 2	1 6	21 51	0 19	19 49	0 9	8 32	1 3	3 54	16 19	7 23	7 51	16 8	16 10	3 57
S 28	13 55	14 57	4 58	21 13	2 10	18 15	0 1	21 44	0 42	1 57	1 6	21 51	0 19	19 50	0 9	8 32	1 3	3 54	16 19	7 27	7 53	16 7	16 9	3 58
S 29	14 14	17 6	5 5	21 41	2 16	18 37	0n 2	21 52	0 42	1 53	1 7	21 52	0 19	19 50	0 9	8 32	1 3	3 53	16 19	7 30	7 54	16 6	16 8	3 58
M30	14n33	18n23	4s58	22n 8	2n21	18n57	0n 4	21n59	0n42	1s48	1s 7	21s52	0n19	19n51	0s 9	8n32	1n 3	3s53	16s19	7n34	7n55	16n 6	16s 6	3n58

Julian Day Number = 2308094.5, Delta T = 79.79 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'32, Lahiri = 18°22'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

MAY 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 33 43	10♉ 2'45	5♋50	29♉53	25♉32	6♊20	28♓16	18°R47	29♉ 9	10°R42	29♈47	10°R36	9♍44	5♌45	28°R59	T 1
W 2	14 37 39	11° 0'48	17°53	1♊18	26°46	7° 1	28°29	18♑47	29°12	10♍41	29°49	10♍31	9°41	5°52	28♏55	W 2
T 3	14 41 36	11°58'49	29°47	2°40	27°59	7°41	28°41	18°46	29°16	10°40	29°50	10°29	9°37	5°58	28°51	T 3
F 4	14 45 32	12°56'49	11♌37	3°57	29°13	8°22	28°53	18°46	29°19	10°40	29°51	10°D28	9°34	6° 5	28°47	F 4
S 5	14 49 29	13°54'46	23°27	5°10	0♊26	9° 2	29° 6	18°45	29°23	10°39	29°53	10°28	9°31	6°12	28°42	S 5
S 6	14 53 25	14°52'42	5♍24	6°19	1°40	9°43	29°18	18°45	29°26	10°39	29°54	10°R29	9°28	6°18	28°38	S 6
M 7	14 57 22	15°50'36	17°32	7°24	2°53	10°23	29°30	18°44	29°30	10°38	29°55	10°28	9°25	6°25	28°34	M 7
T 8	15 1 18	16°48'28	29°56	8°24	4° 7	11° 3	29°42	18°43	29°33	10°38	29°57	10°27	9°22	6°32	28°30	T 8
W 9	15 5 15	17°46'18	12♎40	9°20	5°20	11°43	29°54	18°42	29°36	10°37	29°58	10°23	9°18	6°38	28°25	W 9
T 10	15 9 12	18°44'07	25°46	10°12	6°34	12°24	0♈ 6	18°41	29°40	10°37	29°59	10°16	9°15	6°45	28°21	T 10
F 11	15 13 8	19°41'54	9♏14	10°59	7°47	13° 4	0°18	18°40	29°43	10°37	0♉ 1	10° 7	9°12	6°52	28°17	F 11
S 12	15 17 5	20°39'40	23° 2	11°41	9° 0	13°44	0°30	18°39	29°47	10°36	0° 2	9°57	9° 9	6°58	28°12	S 12
S 13	15 21 1	21°37'24	7♐ 8	12°19	10°14	14°24	0°41	18°37	29°50	10°36	0° 3	9°46	9° 6	7° 5	28° 8	S 13
M14	15 24 58	22°35'07	21°26	12°52	11°27	15° 4	0°53	18°36	29°54	10°36	0° 5	9°36	9° 2	7°12	28° 4	M14
T 15	15 28 54	23°32'49	5♑50	13°20	12°40	15°44	1° 4	18°34	29°57	10°35	0° 6	9°27	8°59	7°18	27°59	T 15
W16	15 32 51	24°30'30	20°14	13°44	13°54	16°24	1°16	18°33	0♊ 1	10°35	0° 7	9°21	8°56	7°25	27°55	W16
T 17	15 36 47	25°28'09	4♒35	14° 2	15° 7	17° 4	1°27	18°31	0° 4	10°35	0° 8	9°18	8°53	7°32	27°51	T 17
F 18	15 40 44	26°25'48	18°48	14°16	16°20	17°44	1°38	18°29	0° 8	10°35	0°10	9°16	8°50	7°38	27°46	F 18
S 19	15 44 41	27°23'26	2♓53	14°25	17°33	18°24	1°49	18°27	0°11	10°35	0°11	9°16	8°47	7°45	27°42	S 19
S 20	15 48 37	28°21'02	16°48	14°R30	18°46	19° 4	2° 0	18°25	0°15	10°35	0°12	9°16	8°43	7°52	27°37	S 20
M21	15 52 34	29°18'38	0♈34	14°30	20° 0	19°44	2°11	18°23	0°18	10°34	0°13	9°15	8°40	7°58	27°33	M21
T 22	15 56 30	0♊16'13	14°10	14°25	21°13	20°24	2°22	18°21	0°22	10°D34	0°15	9°11	8°37	8° 5	27°28	T 22
W23	16 0 27	1°13'47	27°36	14°16	22°26	21° 4	2°33	18°19	0°25	10°34	0°16	9° 5	8°34	8°12	27°24	W23
T 24	16 4 23	2°11'19	10♉52	14° 2	23°39	21°44	2°43	18°17	0°29	10°34	0°17	8°56	8°31	8°18	27°20	T 24
F 25	16 8 20	3° 8'51	23°55	13°45	24°52	22°23	2°54	18°14	0°33	10°35	0°18	8°44	8°28	8°25	27°15	F 25
S 26	16 12 16	4° 6'22	6♊46	13°24	26° 5	23° 3	3° 4	18°12	0°36	10°35	0°19	8°31	8°24	8°32	27°11	S 26
S 27	16 16 13	5° 3'52	19°23	13° 0	27°18	23°43	3°14	18° 9	0°40	10°35	0°21	8°18	8°21	8°38	27° 7	S 27
M28	16 20 10	6° 1'21	1♋45	12°33	28°31	24°22	3°25	18° 7	0°43	10°35	0°22	8° 6	8°18	8°45	27° 2	M28
T 29	16 24 6	6°58'49	13°56	12° 4	29°44	25° 2	3°35	18° 4	0°47	10°35	0°23	7°56	8°15	8°52	26°58	T 29
W30	16 28 3	7°56'15	25°55	11°33	0♋57	25°42	3°45	18° 1	0°50	10°35	0°24	7°48	8°12	8°58	26°54	W30
T 31	16 31 59	8♊53'41	7♌47	11♊ 0	2♋10	26♊21	3♈54	17♑58	0♊54	10♍36	0♉25	7♍43	8♍ 8	9♌ 5	26♏50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n51	18n45	4s36	22n31	2n25	19n18	0n 7	22n 7	0n43	1s43	1s 7	21s52	0n19	19n52	0s 9	8n33	1n 3	3s53	16s19	7n36	7n56	16n 5	16s 5	3n59
W 2	15 10	18 16	4 3	22 53	2 28	19 37	0 9	22 14	0 43	1 38	1 7	21 52	0 19	19 52	0 9	8 33	1 3	3 52	16 19	7 38	7 57	16 4	16 4	3 59
T 3	15 28	16 59	3 20	23 12	2 30	19 57	0 12	22 21	0 44	1 33	1 7	21 52	0 18	19 53	0 9	8 33	1 3	3 52	16 19	7 39	7 59	16 3	16 3	4 0
F 4	15 45	14 58	2 28	23 28	2 32	20 15	0 14	22 28	0 44	1 28	1 7	21 52	0 18	19 54	0 9	8 33	1 3	3 51	16 19	7 40	8 0	16 2	16 1	4 0
S 5	16 3	12 19	1 30	23 42	2 33	20 34	0 17	22 35	0 45	1 24	1 7	21 52	0 18	19 55	0 9	8 33	1 3	3 51	16 19	7 39	8 1	16 1	16 0	4 0
S 6	16 20	9 8	0 27	23 54	2 32	20 51	0 19	22 42	0 45	1 19	1 8	21 52	0 18	19 55	0 9	8 34	1 3	3 51	16 19	7 39	8 2	16 0	15 59	4 1
M 7	16 37	5 31	0n38	24 4	2 31	21 8	0 22	22 48	0 46	1 14	1 8	21 52	0 18	19 56	0 9	8 34	1 3	3 50	16 19	7 39	8 3	15 59	15 58	4 1
T 8	16 54	1 35	1 42	24 12	2 29	21 25	0 24	22 54	0 46	1 9	1 8	21 53	0 18	19 57	0 9	8 34	1 3	3 50	16 19	7 40	8 5	15 58	15 56	4 1
W 9	17 10	2s31	2 43	24 17	2 25	21 41	0 27	23 0	0 46	1 5	1 8	21 53	0 18	19 58	0 9	8 34	1 3	3 49	16 19	7 41	8 6	15 57	15 55	4 2
T 10	17 26	6 37	3 36	24 21	2 21	21 56	0 29	23 6	0 47	1 0	1 8	21 53	0 18	19 58	0 9	8 34	1 3	3 49	16 19	7 44	8 7	15 56	15 54	4 2
F 11	17 42	10 29	4 20	24 22	2 16	22 11	0 32	23 12	0 47	0 56	1 8	21 53	0 18	19 59	0 9	8 34	1 3	3 49	16 20	7 47	8 8	15 56	15 53	4 2
S 12	17 57	13 54	4 49	24 22	2 9	22 25	0 34	23 17	0 48	0 51	1 9	21 53	0 18	20 0	0 9	8 34	1 3	3 48	16 20	7 51	8 9	15 55	15 51	4 3
S 13	18 12	16 35	5 2	24 20	2 2	22 38	0 37	23 22	0 48	0 47	1 9	21 54	0 18	20 1	0 9	8 35	1 3	3 48	16 20	7 55	8 11	15 54	15 50	4 3
M14	18 27	18 18	4 56	24 16	1 54	22 51	0 39	23 27	0 48	0 42	1 9	21 54	0 18	20 1	0 9	8 35	1 3	3 48	16 20	7 59	8 12	15 53	15 49	4 3
T 15	18 42	18 51	4 31	24 11	1 45	23 3	0 42	23 32	0 49	0 38	1 9	21 54	0 18	20 2	0 9	8 35	1 3	3 47	16 20	8 2	8 13	15 52	15 47	4 4
W16	18 56	18 11	3 49	24 3	1 34	23 15	0 44	23 36	0 49	0 33	1 9	21 54	0 18	20 3	0 9	8 35	1 3	3 47	16 20	8 5	8 14	15 51	15 46	4 4
T 17	19 10	16 21	2 53	23 54	1 23	23 25	0 46	23 41	0 49	0 29	1 10	21 55	0 18	20 4	0 9	8 35	1 3	3 47	16 20	8 6	8 15	15 50	15 45	4 4
F 18	19 24	13 32	1 46	23 44	1 11	23 36	0 49	23 45	0 50	0 25	1 10	21 55	0 18	20 5	0 9	8 35	1 3	3 47	16 20	8 7	8 17	15 49	15 44	4 5
S 19	19 37	9 56	0 34	23 32	0 58	23 45	0 51	23 49	0 50	0 21	1 10	21 55	0 18	20 5	0 9	8 35	1 3	3 46	16 20	8 7	8 18	15 48	15 43	4 5
S 20	19 50	5 50	0s40	23 19	0 44	23 54	0 53	23 53	0 51	0 16	1 10	21 56	0 18	20 6	0 9	8 35	1 3	3 46	16 21	8 7	8 19	15 47	15 41	4 5
M21	20 3	1 28	1 50	23 4	0 30	24 2	0 56	23 56	0 51	0 12	1 10	21 56	0 17	20 7	0 9	8 35	1 3	3 46	16 21	8 7	8 20	15 46	15 40	4 5
T 22	20 15	2n56	2 53	22 49	0 14	24 10	0 58	24 0	0 51	0 8	1 10	21 56	0 17	20 7	0 9	8 35	1 3	3 45	16 21	8 9	8 21	15 45	15 39	4 6
W23	20 27	7 7	3 46	22 32	0s 2	24 16	1 0	24 3	0 52	0 4	1 11	21 57	0 17	20 8	0 9	8 35	1 3	3 45	16 21	8 11	8 22	15 44	15 38	4 6
T 24	20 38	10 54	4 26	22 14	0 18	24 22	1 2	24 6	0 52	0n 0	1 11	21 57	0 17	20 9	0 9	8 35	1 3	3 45	16 21	8 14	8 24	15 43	15 37	4 6
F 25	20 50	14 6	4 51	21 55	0 35	24 28	1 4	24 8	0 52	0 4	1 11	21 57	0 17	20 10	0 9	8 35	1 3	3 45	16 21	8 19	8 25	15 42	15 35	4 6
S 26	21 1	16 33	5 0	21 35	0 53	24 32	1 7	24 11	0 53	0 8	1 11	21 58	0 17	20 10	0 9	8 35	1 2	3 44	16 22	8 23	8 26	15 41	15 34	4 6
S 27	21 11	18 10	4 55	21 15	1 10	24 36	1 9	24 13	0 53	0 12	1 11	21 58	0 17	20 11	0 9	8 35	1 2	3 44	16 22	8 28	8 27	15 40	15 33	4 7
M28	21 21	18 53	4 36	20 54	1 27	24 39	1 11	24 15	0 53	0 16	1 12	21 59	0 17	20 12	0 9	8 35	1 2	3 44	16 22	8 33	8 28	15 39	15 32	4 7
T 29	21 31	18 43	4 4	20 33	1 45	24 42	1 13	24 17	0 54	0 20	1 12	21 59	0 17	20 13	0 9	8 34	1 2	3 44	16 22	8 37	8 30	15 38	15 31	4 7
W30	21 41	17 42	3 22	20 12	2 2	24 44	1 15	24 19	0 54	0 23	1 12	22 0	0 17	20 13	0 9	8 34	1 2	3 44	16 22	8 40	8 31	15 37	15 30	4 7
T 31	21n50	15n55	2s31	19n52	2s18	24n45	1n16	24n21	0n54	0n27	1s12	22s 0	0n17	20n14	0s 9	8n34	1n 2	3s43	16s22	8n41	8n32	15n36	15s28	4n 7

Julian Day Number = 2308124.5, Delta T = 79.69 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'36, Lahiri = 18°22'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

JUNE 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 35 56	9♊51'05	19♌35	10°R27	3♋23	27♊ 1	4♈ 4	17°R55	0♊57	10♍36	0♉26	7°R41	8♍ 5	9♌12	26°R45	F 1
S 2	16 39 52	10°48'28	1♍25	9♊53	4°36	27°40	4°14	17♉52	1° 1	10°36	0°27	7♍40	8° 2	9°18	26♏41	S 2
S 3	16 43 49	11°45'50	13°20	9°20	5°48	28°20	4°23	17°49	1° 4	10°37	0°29	7°40	7°59	9°25	26°37	S 3
M 4	16 47 45	12°43'11	25°28	8°48	7° 1	28°59	4°32	17°46	1° 8	10°37	0°30	7°40	7°56	9°32	26°33	M 4
T 5	16 51 42	13°40'31	7♎53	8°17	8°14	29°39	4°42	17°43	1°11	10°37	0°31	7°38	7°53	9°38	26°29	T 5
W 6	16 55 39	14°37'49	20°40	7°48	9°27	0♋18	4°51	17°40	1°14	10°38	0°32	7°34	7°49	9°45	26°25	W 6
T 7	16 59 35	15°35'07	3♏51	7°22	10°39	0°58	5° 0	17°36	1°18	10°38	0°33	7°28	7°46	9°52	26°21	T 7
F 8	17 3 32	16°32'24	17°30	6°58	11°52	1°37	5° 9	17°33	1°21	10°39	0°34	7°19	7°43	9°58	26°17	F 8
S 9	17 7 28	17°29'41	1♐34	6°38	13° 5	2°16	5°17	17°29	1°25	10°39	0°35	7° 8	7°40	10° 5	26°13	S 9
S 10	17 11 25	18°26'56	16° 0	6°22	14°17	2°56	5°26	17°26	1°28	10°40	0°36	6°57	7°37	10°12	26° 9	S 10
M11	17 15 21	19°24'11	0♑41	6° 9	15°30	3°35	5°34	17°22	1°32	10°41	0°37	6°47	7°34	10°18	26° 5	M11
T 12	17 19 18	20°21'26	15°29	6° 1	16°42	4°14	5°43	17°19	1°35	10°41	0°38	6°38	7°30	10°25	26° 1	T 12
W13	17 23 14	21°18'40	0♒17	5°D57	17°55	4°53	5°51	17°15	1°38	10°42	0°39	6°32	7°27	10°32	25°58	W13
T 14	17 27 11	22°15'54	14°57	5°58	19° 7	5°33	5°59	17°11	1°42	10°43	0°40	6°28	7°24	10°38	25°54	T 14
F 15	17 31 8	23°13'07	29°24	6° 3	20°20	6°12	6° 7	17° 7	1°45	10°43	0°41	6°27	7°21	10°45	25°51	F 15
S 16	17 35 4	24°10'20	13♓35	6°13	21°32	6°51	6°15	17° 4	1°48	10°44	0°41	6°D26	7°18	10°52	25°47	S 16
S 17	17 39 1	25° 7'33	27°30	6°27	22°44	7°30	6°22	17° 0	1°52	10°45	0°42	6°R27	7°14	10°58	25°44	S 17
M18	17 42 57	26° 4'47	11♈ 8	6°46	23°57	8° 9	6°30	16°56	1°55	10°46	0°43	6°26	7°11	11° 5	25°40	M18
T 19	17 46 54	27° 2'00	24°30	7°10	25° 9	8°48	6°37	16°52	1°58	10°47	0°44	6°23	7° 8	11°12	25°37	T 19
W20	17 50 50	27°59'13	7♉39	7°39	26°21	9°27	6°44	16°48	2° 1	10°48	0°45	6°18	7° 5	11°18	25°34	W20
T 21	17 54 47	28°56'26	20°35	8°12	27°34	10° 6	6°51	16°44	2° 5	10°49	0°46	6°10	7° 2	11°25	25°30	T 21
F 22	17 58 43	29°53'39	3♊18	8°50	28°46	10°46	6°58	16°40	2° 8	10°49	0°46	6° 0	6°59	11°32	25°27	F 22
S 23	18 2 40	0♋50'51	15°51	9°32	29°58	11°25	7° 5	16°35	2°11	10°50	0°47	5°48	6°55	11°38	25°24	S 23
S 24	18 6 37	1°48'04	28°12	10°19	1♌10	12° 4	7°12	16°31	2°14	10°51	0°48	5°37	6°52	11°45	25°21	S 24
M25	18 10 33	2°45'17	10♋23	11°10	2°22	12°43	7°18	16°27	2°17	10°53	0°49	5°26	6°49	11°52	25°18	M25
T 26	18 14 30	3°42'29	22°24	12° 5	3°34	13°21	7°24	16°23	2°21	10°54	0°49	5°17	6°46	11°58	25°15	T 26
W27	18 18 26	4°39'42	4♌18	13° 5	4°46	14° 0	7°30	16°19	2°24	10°55	0°50	5°11	6°43	12° 5	25°13	W27
T 28	18 22 23	5°36'54	16° 7	14° 9	5°58	14°39	7°36	16°14	2°27	10°56	0°51	5° 6	6°40	12°12	25°10	T 28
F 29	18 26 19	6°34'06	27°53	15°17	7°10	15°18	7°42	16°10	2°30	10°57	0°52	5° 4	6°36	12°18	25° 7	F 29
S 30	18 30 16	7♋31'17	9♍42	16♊29	8♌22	15♋57	7♈48	16♉ 6	2♊33	10♍58	0♉52	5°D 4	6♍33	12♌25	25♏ 5	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n58	13n29	1s34	19n31	2s34	24n45	1n18	24n22	0n55	0n31	1s13	22s 0	0n17	20n15	0s 9	8n34	1n 2	3s43	16s23	8n42	8n33	15n35	15s27	4n 7
S 2	22 7	10 29	0 33	19 11	2 49	24 44	1 20	24 23	0 55	0 34	1 13	22 1	0 17	20 16	0 9	8 34	1 2	3 43	16 23	8 43	8 34	15 34	15 26	4 8
S 3	22 15	7 1	0n30	18 52	3 3	24 43	1 22	24 24	0 55	0 38	1 13	22 1	0 17	20 16	0 9	8 34	1 2	3 43	16 23	8 43	8 36	15 33	15 25	4 8
M 4	22 22	3 14	1 33	18 34	3 17	24 41	1 23	24 25	0 56	0 41	1 13	22 2	0 17	20 17	0 9	8 34	1 2	3 43	16 23	8 43	8 37	15 32	15 24	4 8
T 5	22 29	0s48	2 33	18 18	3 29	24 39	1 25	24 25	0 56	0 45	1 13	22 2	0 17	20 18	0 9	8 33	1 2	3 42	16 23	8 43	8 38	15 31	15 23	4 8
W 6	22 36	4 53	3 27	18 2	3 40	24 35	1 27	24 25	0 56	0 48	1 14	22 3	0 16	20 18	0 9	8 33	1 2	3 42	16 24	8 45	8 39	15 30	15 22	4 8
T 7	22 42	8 53	4 12	17 49	3 49	24 31	1 28	24 26	0 56	0 52	1 14	22 3	0 16	20 19	0 9	8 33	1 2	3 42	16 24	8 47	8 40	15 29	15 21	4 8
F 8	22 48	12 33	4 44	17 37	3 58	24 27	1 30	24 25	0 57	0 55	1 14	22 4	0 16	20 20	0 9	8 33	1 2	3 42	16 24	8 51	8 42	15 28	15 20	4 8
S 9	22 54	15 37	5 0	17 26	4 5	24 21	1 31	24 25	0 57	0 58	1 14	22 4	0 16	20 21	0 9	8 33	1 2	3 42	16 24	8 54	8 43	15 27	15 19	4 8
S 10	22 59	17 49	4 58	17 18	4 10	24 15	1 32	24 25	0 57	1 1	1 15	22 5	0 16	20 21	0 9	8 32	1 2	3 42	16 25	8 59	8 44	15 26	15 18	4 8
M11	23 4	18 53	4 36	17 12	4 15	24 8	1 34	24 24	0 58	1 4	1 15	22 5	0 16	20 22	0 9	8 32	1 2	3 42	16 25	9 2	8 45	15 25	15 17	4 8
T 12	23 8	18 41	3 55	17 7	4 18	24 1	1 35	24 23	0 58	1 8	1 15	22 6	0 16	20 23	0 9	8 32	1 2	3 42	16 25	9 6	8 46	15 24	15 16	4 9
W13	23 12	17 13	2 59	17 5	4 20	23 52	1 36	24 22	0 58	1 11	1 15	22 7	0 16	20 23	0 9	8 32	1 2	3 42	16 25	9 8	8 47	15 23	15 15	4 9
T 14	23 16	14 36	1 51	17 5	4 20	23 43	1 37	24 21	0 58	1 14	1 16	22 7	0 16	20 24	0 9	8 31	1 2	3 41	16 25	9 9	8 49	15 22	15 15	4 9
F 15	23 19	11 7	0 37	17 6	4 19	23 34	1 38	24 19	0 59	1 16	1 16	22 8	0 16	20 25	0 9	8 31	1 2	3 41	16 26	9 10	8 50	15 21	15 14	4 9
S 16	23 22	7 3	0s38	17 10	4 17	23 24	1 39	24 17	0 59	1 19	1 16	22 8	0 16	20 25	0 9	8 31	1 2	3 41	16 26	9 10	8 51	15 20	15 13	4 9
S 17	23 24	2 40	1 49	17 15	4 14	23 13	1 40	24 16	0 59	1 22	1 16	22 9	0 16	20 26	0 9	8 30	1 2	3 41	16 26	9 10	8 52	15 19	15 12	4 9
M18	23 26	1n45	2 53	17 22	4 10	23 1	1 41	24 14	0 59	1 25	1 17	22 9	0 16	20 27	0 9	8 30	1 2	3 41	16 26	9 10	8 53	15 18	15 11	4 9
T 19	23 27	6 0	3 46	17 31	4 5	22 49	1 42	24 11	1 0	1 27	1 17	22 10	0 15	20 27	0 9	8 30	1 2	3 41	16 27	9 11	8 55	15 17	15 10	4 9
W20	23 28	9 53	4 26	17 41	3 59	22 36	1 42	24 9	1 0	1 30	1 17	22 11	0 15	20 28	0 9	8 29	1 2	3 41	16 27	9 13	8 56	15 16	15 10	4 9
T 21	23 29	13 14	4 52	17 53	3 53	22 22	1 43	24 6	1 0	1 33	1 17	22 11	0 15	20 29	0 9	8 29	1 2	3 41	16 27	9 16	8 57	15 15	15 9	4 9
F 22	23 29	15 54	5 3	18 7	3 45	22 8	1 43	24 3	1 0	1 35	1 18	22 12	0 15	20 29	0 9	8 28	1 2	3 41	16 28	9 20	8 58	15 14	15 8	4 9
S 23	23 29	17 47	4 58	18 21	3 37	21 53	1 44	24 0	1 1	1 38	1 18	22 12	0 15	20 30	0 9	8 28	1 2	3 41	16 28	9 24	8 59	15 13	15 8	4 9
S 24	23 29	18 48	4 40	18 37	3 28	21 38	1 44	23 57	1 1	1 40	1 18	22 13	0 15	20 31	0 9	8 28	1 2	3 41	16 28	9 28	9 0	15 12	15 7	4 9
M25	23 28	18 56	4 9	18 53	3 18	21 22	1 44	23 54	1 1	1 42	1 18	22 13	0 15	20 31	0 9	8 27	1 2	3 41	16 28	9 32	9 2	15 11	15 6	4 9
T 26	23 26	18 13	3 27	19 11	3 8	21 5	1 45	23 50	1 1	1 44	1 19	22 14	0 15	20 32	0 9	8 27	1 2	3 41	16 29	9 35	9 3	15 10	15 6	4 9
W27	23 24	16 41	2 37	19 29	2 57	20 48	1 45	23 46	1 2	1 47	1 19	22 15	0 15	20 33	0 9	8 26	1 2	3 41	16 29	9 38	9 4	15 8	15 5	4 8
T 28	23 22	14 27	1 40	19 48	2 46	20 31	1 45	23 42	1 2	1 49	1 19	22 15	0 15	20 33	0 9	8 26	1 2	3 41	16 29	9 39	9 5	15 7	15 4	4 8
F 29	23 19	11 38	0 38	20 7	2 35	20 12	1 45	23 38	1 2	1 51	1 19	22 16	0 15	20 34	0 9	8 25	1 2	3 41	16 30	9 40	9 6	15 6	15 4	4 8
S 30	23n16	8n20	0n25	20n26	2s23	19n54	1n45	23n34	1n 2	1n53	1s20	22s16	0n15	20n34	0s 9	8n25	1n 2	3s41	16s30	9n40	9n 7	15n 5	15s 3	4n 8

Julian Day Number = 2308155.5, Delta T = 79.59 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'40, Lahiri = 18°22'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

JULY 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 34 12	8♋28'29	21♍37	17♊45	9♌34	16♋36	7♈53	16°R 1	2♊36	10♍59	0♉53	5♍ 5	6♍30	12♌32	25°R 2	S 1
M 2	18 38 9	9°25'40	3♎44	19° 5	10°46	17°15	7°59	15♑57	2°39	11° 1	0°53	5°R 6	6°27	12°38	25♏ 0	M 2
T 3	18 42 6	10°22'51	16° 7	20°29	11°58	17°54	8° 4	15°52	2°42	11° 2	0°54	5° 6	6°24	12°45	24°58	T 3
W 4	18 46 2	11°20'02	28°52	21°57	13° 9	18°32	8° 9	15°48	2°45	11° 3	0°55	5° 4	6°20	12°52	24°56	W 4
T 5	18 49 59	12°17'13	12♏ 2	23°29	14°21	19°11	8°13	15°44	2°48	11° 4	0°55	5° 1	6°17	12°58	24°54	T 5
F 6	18 53 55	13°14'24	25°41	25° 4	15°33	19°50	8°18	15°39	2°51	11° 6	0°56	4°55	6°14	13° 5	24°51	F 6
S 7	18 57 52	14°11'35	9♐49	26°43	16°44	20°29	8°22	15°35	2°53	11° 7	0°56	4°48	6°11	13°12	24°50	S 7
S 8	19 1 48	15° 8'46	24°22	28°26	17°56	21° 7	8°27	15°30	2°56	11° 9	0°57	4°41	6° 8	13°18	24°48	S 8
M 9	19 5 45	16° 5'57	9♑15	0♋12	19° 7	21°46	8°31	15°26	2°59	11°10	0°57	4°34	6° 5	13°25	24°46	M 9
T 10	19 9 41	17° 3'09	24°20	2° 1	20°19	22°25	8°35	15°22	3° 2	11°11	0°58	4°28	6° 1	13°32	24°44	T 10
W11	19 13 38	18° 0'21	9♒27	3°53	21°30	23° 3	8°38	15°17	3° 5	11°13	0°58	4°24	5°58	13°38	24°43	W11
T 12	19 17 35	18°57'33	24°26	5°48	22°42	23°42	8°42	15°13	3° 7	11°14	0°59	4°21	5°55	13°45	24°41	T 12
F 13	19 21 31	19°54'47	9♓11	7°46	23°53	24°21	8°45	15° 8	3°10	11°16	0°59	4°D21	5°52	13°51	24°40	F 13
S 14	19 25 28	20°52'00	23°36	9°45	25° 4	24°59	8°49	15° 4	3°13	11°18	0°59	4°22	5°49	13°58	24°39	S 14
S 15	19 29 24	21°49'15	7♈39	11°47	26°15	25°38	8°52	15° 0	3°15	11°19	1° 0	4°23	5°46	14° 5	24°38	S 15
M16	19 33 21	22°46'30	21°20	13°51	27°26	26°16	8°54	14°55	3°18	11°21	1° 0	4°R24	5°42	14°11	24°36	M16
T 17	19 37 17	23°43'46	4♉39	15°55	28°38	26°55	8°57	14°51	3°20	11°22	1° 0	4°23	5°39	14°18	24°35	T 17
W18	19 41 14	24°41'03	17°39	18° 1	29°49	27°33	8°59	14°47	3°23	11°24	1° 1	4°21	5°36	14°25	24°35	W18
T 19	19 45 10	25°38'21	0♊23	20° 8	1♍ 0	28°12	9° 2	14°42	3°25	11°26	1° 1	4°17	5°33	14°31	24°34	T 19
F 20	19 49 7	26°35'40	12°52	22°15	2°11	28°51	9° 4	14°38	3°28	11°27	1° 1	4°12	5°30	14°38	24°33	F 20
S 21	19 53 4	27°33'00	25°10	24°22	3°21	29°29	9° 5	14°34	3°30	11°29	1° 2	4° 6	5°26	14°45	24°32	S 21
S 22	19 57 0	28°30'21	7♋18	26°29	4°32	0♌ 8	9° 7	14°29	3°33	11°31	1° 2	3°59	5°23	14°51	24°32	S 22
M23	20 0 57	29°27'42	19°18	28°35	5°43	0°46	9° 9	14°25	3°35	11°32	1° 2	3°53	5°20	14°58	24°32	M23
T 24	20 4 53	0♌25'05	1♌11	0♌41	6°54	1°25	9°10	14°21	3°37	11°34	1° 2	3°49	5°17	15° 5	24°31	T 24
W25	20 8 50	1°22'28	13° 1	2°46	8° 4	2° 3	9°11	14°17	3°39	11°36	1° 2	3°45	5°14	15°11	24°31	W25
T 26	20 12 46	2°19'52	24°48	4°51	9°15	2°41	9°12	14°13	3°42	11°38	1° 2	3°43	5°11	15°18	24°31	T 26
F 27	20 16 43	3°17'16	6♍35	6°54	10°26	3°20	9°12	14° 9	3°44	11°40	1° 3	3°D43	5° 7	15°25	24°D31	F 27
S 28	20 20 39	4°14'42	18°25	8°55	11°36	3°58	9°13	14° 5	3°46	11°41	1° 3	3°44	5° 4	15°31	24°31	S 28
S 29	20 24 36	5°12'08	0♎23	10°56	12°46	4°37	9°13	14° 1	3°48	11°43	1° 3	3°45	5° 1	15°38	24°31	S 29
M30	20 28 33	6° 9'35	12°31	12°55	13°57	5°15	9°R13	13°57	3°50	11°45	1° 3	3°47	4°58	15°45	24°31	M30
T 31	20 32 29	7♌ 7'02	24♎54	14♌53	15♍ 7	5♌54	9♈13	13♑53	3♊52	11♍47	1♉ 3	3♍48	4♍55	15♌51	24♏32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n13	4n41	1n28	20n46	2s10	19n34	1n45	23n29	1n 3	1n55	1s20	22s17	0n15	20n35	0s 9	8n25	1n 2	3s41	16s30	9n40	9n 9	15n 4	15s 3	4n 8
M 2	23 9	0 47	2 28	21 5	1 58	19 15	1 44	23 25	1 3	1 56	1 20	22 18	0 14	20 36	0 9	8 24	1 2	3 42	16 30	9 40	9 10	15 3	15 2	4 8
T 3	23 5	3s14	3 22	21 24	1 45	18 54	1 44	23 20	1 3	1 58	1 21	22 18	0 14	20 36	0 9	8 24	1 2	3 42	16 31	9 40	9 11	15 2	15 2	4 8
W 4	23 0	7 13	4 9	21 42	1 32	18 33	1 44	23 15	1 3	2 0	1 21	22 19	0 14	20 37	0 9	8 23	1 2	3 42	16 31	9 40	9 12	15 1	15 1	4 8
T 5	22 55	10 59	4 43	22 0	1 19	18 12	1 43	23 9	1 3	2 2	1 21	22 19	0 14	20 37	0 9	8 23	1 2	3 42	16 31	9 42	9 13	15 0	15 1	4 8
F 6	22 50	14 18	5 4	22 17	1 6	17 50	1 42	23 4	1 4	2 3	1 21	22 20	0 14	20 38	0 9	8 22	1 2	3 42	16 32	9 44	9 15	14 59	15 1	4 8
S 7	22 44	16 55	5 6	22 33	0 54	17 28	1 42	22 58	1 4	2 5	1 22	22 21	0 14	20 38	0 9	8 21	1 1	3 42	16 32	9 46	9 16	14 58	15 0	4 8
S 8	22 38	18 33	4 50	22 48	0 41	17 5	1 41	22 53	1 4	2 6	1 22	22 21	0 14	20 39	0 9	8 21	1 1	3 42	16 32	9 49	9 17	14 57	15 0	4 8
M 9	22 31	18 57	4 13	23 1	0 28	16 42	1 40	22 47	1 4	2 7	1 22	22 22	0 14	20 39	0 9	8 20	1 1	3 42	16 33	9 51	9 18	14 55	15 0	4 7
T 10	22 24	18 2	3 19	23 13	0 16	16 19	1 39	22 41	1 4	2 9	1 23	22 22	0 14	20 40	0 9	8 20	1 1	3 42	16 33	9 54	9 19	14 54	14 59	4 7
W11	22 16	15 50	2 11	23 22	0 4	15 55	1 38	22 34	1 4	2 10	1 23	22 23	0 14	20 41	0 9	8 19	1 1	3 43	16 33	9 55	9 20	14 53	14 59	4 7
T 12	22 9	12 34	0 53	23 30	0n 8	15 30	1 37	22 28	1 5	2 11	1 23	22 24	0 14	20 41	0 9	8 19	1 1	3 43	16 34	9 56	9 22	14 52	14 59	4 7
F 13	22 0	8 33	0s26	23 35	0 19	15 6	1 36	22 21	1 5	2 12	1 23	22 24	0 13	20 42	0 9	8 18	1 1	3 43	16 34	9 56	9 23	14 51	14 59	4 7
S 14	21 52	4 7	1 43	23 38	0 30	14 41	1 35	22 15	1 5	2 13	1 24	22 25	0 13	20 42	0 9	8 17	1 1	3 43	16 34	9 56	9 24	14 50	14 59	4 7
S 15	21 43	0n26	2 51	23 38	0 40	14 15	1 33	22 8	1 5	2 14	1 24	22 25	0 13	20 43	0 9	8 17	1 1	3 43	16 34	9 55	9 25	14 49	14 58	4 7
M16	21 34	4 49	3 47	23 36	0 50	13 49	1 32	22 1	1 5	2 15	1 24	22 26	0 13	20 43	0 8	8 16	1 1	3 43	16 35	9 55	9 26	14 48	14 58	4 7
T 17	21 24	8 51	4 30	23 31	0 59	13 23	1 30	21 53	1 6	2 16	1 25	22 27	0 13	20 44	0 8	8 16	1 1	3 44	16 35	9 55	9 27	14 47	14 58	4 6
W18	21 14	12 22	4 58	23 23	1 7	12 57	1 29	21 46	1 6	2 16	1 25	22 27	0 13	20 44	0 8	8 15	1 1	3 44	16 35	9 56	9 29	14 45	14 58	4 6
T 19	21 3	15 13	5 10	23 12	1 15	12 30	1 27	21 38	1 6	2 17	1 25	22 28	0 13	20 45	0 8	8 14	1 1	3 44	16 36	9 57	9 30	14 44	14 58	4 6
F 20	20 53	17 19	5 7	22 59	1 21	12 3	1 25	21 31	1 6	2 17	1 25	22 28	0 13	20 45	0 8	8 14	1 1	3 44	16 36	9 59	9 31	14 43	14 58	4 6
S 21	20 42	18 34	4 50	22 43	1 27	11 35	1 23	21 23	1 6	2 18	1 26	22 29	0 13	20 45	0 8	8 13	1 1	3 45	16 36	10 2	9 32	14 42	14 58	4 6
S 22	20 30	18 57	4 20	22 24	1 32	11 8	1 21	21 15	1 6	2 18	1 26	22 29	0 13	20 46	0 8	8 12	1 1	3 45	16 37	10 4	9 33	14 41	14 58	4 6
M23	20 18	18 29	3 39	22 4	1 37	10 40	1 19	21 6	1 6	2 19	1 26	22 30	0 13	20 46	0 8	8 12	1 1	3 45	16 37	10 6	9 34	14 40	14 58	4 5
T 24	20 6	17 12	2 49	21 40	1 40	10 12	1 17	20 58	1 7	2 19	1 27	22 30	0 12	20 47	0 8	8 11	1 1	3 45	16 37	10 8	9 36	14 39	14 58	4 5
W25	19 54	15 10	1 51	21 15	1 43	9 43	1 15	20 50	1 7	2 19	1 27	22 31	0 12	20 47	0 8	8 10	1 1	3 45	16 38	10 9	9 37	14 37	14 58	4 5
T 26	19 41	12 31	0 49	20 47	1 45	9 14	1 13	20 41	1 7	2 19	1 27	22 31	0 12	20 48	0 8	8 10	1 1	3 46	16 38	10 10	9 38	14 36	14 59	4 5
F 27	19 28	9 22	0n16	20 18	1 46	8 46	1 10	20 32	1 7	2 19	1 27	22 32	0 12	20 48	0 8	8 9	1 1	3 46	16 38	10 10	9 39	14 35	14 59	4 5
S 28	19 14	5 49	1 20	19 47	1 47	8 16	1 8	20 23	1 7	2 19	1 28	22 32	0 12	20 48	0 8	8 8	1 1	3 46	16 39	10 10	9 40	14 34	14 59	4 5
S 29	19 0	2 1	2 21	19 14	1 47	7 47	1 5	20 14	1 7	2 19	1 28	22 33	0 12	20 49	0 8	8 7	1 1	3 47	16 39	10 9	9 41	14 33	14 59	4 4
M30	18 46	1s55	3 17	18 40	1 46	7 18	1 3	20 5	1 7	2 18	1 28	22 34	0 12	20 49	0 8	8 7	1 1	3 47	16 39	10 8	9 43	14 32	14 59	4 4
T 31	18n32	5s51	4n 6	18n 4	1n45	6n48	1n 0	19n56	1n 8	2n18	1s29	22s34	0n12	20n50	0s 8	8n 6	1n 1	3s47	16s40	10n 8	9n44	14n30	15s 0	4n 4

Julian Day Number = 2308185.5, Delta T = 79.50 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'44, Lahiri = 18°22'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

AUGUST 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 36 26	8♌ 4'30	7♏37	16♌49	16♍17	6♌32	9°R13	13°R49	3♊54	11♍49	1°R 3	3°R49	4♍52	15♌58	24♏32	W 1
T 2	20 40 22	9° 2'00	20°43	18°43	17°27	7°10	9♈12	13♉45	3°56	11°51	1♉ 3	3♍48	4°48	16° 5	24°33	T 2
F 3	20 44 19	9°59'30	4♐16	20°37	18°37	7°49	9°12	13°42	3°58	11°53	1° 3	3°47	4°45	16°11	24°34	F 3
S 4	20 48 15	10°57'00	18°17	22°28	19°47	8°27	9°11	13°38	4° 0	11°55	1° 3	3°44	4°42	16°18	24°34	S 4
S 5	20 52 12	11°54'32	2♉44	24°18	20°57	9° 5	9°10	13°34	4° 1	11°57	1° 3	3°42	4°39	16°25	24°35	S 5
M 6	20 56 8	12°52'05	17°34	26° 7	22° 7	9°44	9° 8	13°31	4° 3	11°59	1° 3	3°39	4°36	16°31	24°36	M 6
T 7	21 0 5	13°49'38	2♒40	27°54	23°17	10°22	9° 7	13°27	4° 5	12° 1	1° 2	3°37	4°32	16°38	24°37	T 7
W 8	21 4 2	14°47'13	17°54	29°39	24°26	11° 0	9° 5	13°24	4° 7	12° 3	1° 2	3°35	4°29	16°44	24°39	W 8
T 9	21 7 58	15°44'49	3♓ 4	1♍23	25°36	11°38	9° 3	13°20	4° 8	12° 5	1° 2	3°D35	4°26	16°51	24°40	T 9
F 10	21 11 55	16°42'27	18° 3	3° 6	26°46	12°17	9° 1	13°17	4°10	12° 7	1° 2	3°35	4°23	16°58	24°41	F 10
S 11	21 15 51	17°40'05	2♈43	4°47	27°55	12°55	8°59	13°14	4°11	12° 9	1° 2	3°36	4°20	17° 4	24°43	S 11
S 12	21 19 48	18°37'46	16°58	6°27	29° 4	13°33	8°56	13°11	4°13	12°11	1° 2	3°37	4°17	17°11	24°44	S 12
M13	21 23 44	19°35'28	0♉48	8° 5	0♎13	14°12	8°54	13° 7	4°14	12°13	1° 1	3°38	4°13	17°18	24°46	M13
T 14	21 27 41	20°33'11	14°12	9°41	1°23	14°50	8°51	13° 4	4°16	12°15	1° 1	3°39	4°10	17°24	24°48	T 14
W15	21 31 37	21°30'57	27°12	11°17	2°32	15°28	8°48	13° 1	4°17	12°17	1° 1	3°R39	4° 7	17°31	24°50	W15
T 16	21 35 34	22°28'44	9♊51	12°51	3°40	16° 6	8°45	12°59	4°18	12°19	1° 1	3°38	4° 4	17°38	24°52	T 16
F 17	21 39 31	23°26'32	22°14	14°23	4°49	16°44	8°41	12°56	4°19	12°21	1° 0	3°37	4° 1	17°44	24°54	F 17
S 18	21 43 27	24°24'23	4♋23	15°54	5°58	17°23	8°38	12°53	4°21	12°24	1° 0	3°36	3°57	17°51	24°56	S 18
S 19	21 47 24	25°22'15	16°22	17°24	7° 7	18° 1	8°34	12°50	4°22	12°26	0°59	3°35	3°54	17°58	24°58	S 19
M20	21 51 20	26°20'09	28°15	18°52	8°15	18°39	8°30	12°48	4°23	12°28	0°59	3°34	3°51	18° 4	25° 1	M20
T 21	21 55 17	27°18'04	10♌ 3	20°19	9°24	19°17	8°26	12°45	4°24	12°30	0°59	3°33	3°48	18°11	25° 3	T 21
W22	21 59 13	28°16'01	21°51	21°44	10°32	19°56	8°21	12°43	4°25	12°32	0°58	3°33	3°45	18°18	25° 6	W22
T 23	22 3 10	29°14'00	3♍39	23° 8	11°40	20°34	8°17	12°40	4°26	12°34	0°58	3°D32	3°42	18°24	25° 8	T 23
F 24	22 7 6	0♍12'00	15°31	24°30	12°49	21°12	8°12	12°38	4°27	12°37	0°57	3°33	3°38	18°31	25°11	F 24
S 25	22 11 3	1°10'02	27°28	25°50	13°57	21°50	8° 7	12°36	4°28	12°39	0°57	3°33	3°35	18°38	25°14	S 25
S 26	22 15 0	2° 8'05	9♎33	27°10	15° 5	22°28	8° 2	12°34	4°28	12°41	0°56	3°33	3°32	18°44	25°17	S 26
M27	22 18 56	3° 6'10	21°49	28°27	16°12	23° 6	7°57	12°32	4°29	12°43	0°56	3°R33	3°29	18°51	25°20	M27
T 28	22 22 53	4° 4'16	4♏18	29°43	17°20	23°45	7°52	12°30	4°30	12°45	0°55	3°33	3°26	18°57	25°23	T 28
W29	22 26 49	5° 2'24	17° 3	0♎57	18°28	24°23	7°46	12°28	4°31	12°48	0°55	3°33	3°23	19° 4	25°26	W29
T 30	22 30 46	6° 0'33	0♐ 8	2° 9	19°35	25° 1	7°41	12°26	4°31	12°50	0°54	3°D33	3°19	19°11	25°29	T 30
F 31	22 34 42	6♍58'44	13♐35	3♎19	20♎42	25♌39	7♈35	12♉25	4♊32	12♍52	0♉54	3♍33	3♍16	19♌17	25♏33	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	18n17	9s37	4n43	17n28	1n43	6n18	0n57	19n46	1n 8	2n18	1s29	22s35	0n12	20n50	0s 8	8n 5	1n 1	3s47	16s40	10n 8	9n45	14n29	15s 0	4n 4	
T 2	18 2	13 2	5 7	16 50	1 40	5 48	0 55	19 37	1 8	2 17	1 29	22 35	0 12	20 50	0 8	8 4	1 1	3 48	16 40	10 8	9 46	14 28	15 0	4 4	
F 3	17 47	15 53	5 15	16 11	1 37	5 18	0 52	19 27	1 8	2 17	1 30	22 35	0 12	20 51	0 8	8 4	1 1	3 48	16 41	10 9	9 47	14 27	15 1	4 3	
S 4	17 31	17 54	5 5	15 32	1 34	4 48	0 49	19 17	1 8	2 16	1 30	22 36	0 11	20 51	0 8	8 3	1 1	3 48	16 41	10 9	9 48	14 26	15 1	4 3	
S 5	17 15	18 52	4 36	14 52	1 30	4 17	0 46	19 7	1 8	2 15	1 30	22 36	0 11	20 51	0 8	8 2	1 1	3 49	16 41	10 10	9 50	14 25	15 1	4 3	
M 6	16 59	18 34	3 48	14 11	1 26	3 47	0 42	18 57	1 8	2 15	1 30	22 37	0 11	20 52	0 8	8 1	1 1	3 49	16 42	10 11	9 51	14 23	15 2	4 3	
T 7	16 43	16 58	2 43	13 29	1 21	3 16	0 39	18 46	1 8	2 14	1 31	22 37	0 11	20 52	0 8	8 1	1 1	3 49	16 42	10 12	9 52	14 22	15 2	4 3	
W 8	16 26	14 8	1 26	12 48	1 16	2 46	0 36	18 36	1 8	2 13	1 31	22 38	0 11	20 52	0 8	8 0	1 1	3 50	16 42	10 13	9 53	14 21	15 3	4 2	
T 9	16 9	10 21	0 3	12 5	1 10	2 15	0 33	18 25	1 8	2 12	1 31	22 38	0 11	20 53	0 8	7 59	1 1	3 50	16 43	10 13	9 54	14 20	15 3	4 2	
F 10	15 52	5 57	1s19	11 23	1 4	1 44	0 29	18 15	1 9	2 11	1 32	22 39	0 11	20 53	0 8	7 58	1 1	3 50	16 43	10 13	9 55	14 19	15 4	4 2	
S 11	15 34	1 17	2 34	10 40	0 58	1 13	0 26	18 4	1 9	2 10	1 32	22 39	0 11	20 53	0 8	7 58	1 1	3 51	16 43	10 12	9 57	14 17	15 4	4 2	
S 12	15 16	3n19	3 38	9 58	0 51	0 42	0 22	17 53	1 9	2 8	1 32	22 39	0 11	20 54	0 8	7 57	1 1	3 51	16 44	10 12	9 58	14 16	15 5	4 2	
M13	14 58	7 36	4 27	9 15	0 44	0 12	0 18	17 42	1 9	2 7	1 32	22 40	0 11	20 54	0 8	7 56	1 1	3 52	16 44	10 12	9 59	14 15	15 6	4 1	
T 14	14 40	11 22	4 59	8 32	0 37	0s19	0 15	17 31	1 9	2 6	1 33	22 40	0 10	20 54	0 8	7 55	1 1	3 52	16 44	10 11	10 0	14 14	15 6	4 1	
W15	14 22	14 27	5 15	7 49	0 30	0 50	0 11	17 20	1 9	2 4	1 33	22 41	0 10	20 54	0 8	7 54	1 1	3 52	16 44	10 11	10 1	14 13	15 7	4 1	
T 16	14 3	16 46	5 15	7 6	0 23	1 21	0 7	17 8	1 9	2 3	1 33	22 41	0 10	20 55	0 8	7 53	1 1	3 53	16 45	10 12	10 2	14 11	15 7	4 1	
F 17	13 44	18 15	5 1	6 23	0 15	1 52	0 3	16 57	1 9	2 1	1 33	22 41	0 10	20 55	0 8	7 53	1 1	3 53	16 45	10 12	10 3	14 10	15 8	4 1	
S 18	13 25	18 52	4 33	5 41	0 7	2 23	0s 1	16 45	1 9	2 0	1 34	22 42	0 10	20 55	0 8	7 52	1 1	3 54	16 45	10 12	10 5	14 9	15 9	4 0	
S 19	13 5	18 37	3 53	4 58	0s 1	2 54	0 5	16 34	1 9	1 58	1 34	22 42	0 10	20 55	0 8	7 51	1 1	3 54	16 46	10 13	10 6	14 8	15 10	4 0	
M20	12 46	17 33	3 4	4 16	0 9	3 25	0 9	16 22	1 9	1 56	1 34	22 42	0 10	20 55	0 8	7 50	1 1	3 54	16 46	10 13	10 7	14 7	15 10	4 0	
T 21	12 26	15 43	2 7	3 34	0 18	3 56	0 13	16 10	1 9	1 54	1 34	22 43	0 10	20 56	0 8	7 49	1 1	3 55	16 46	10 14	10 8	14 5	15 11	4 0	
W22	12 6	13 14	1 5	2 53	0 26	4 26	0 17	15 58	1 10	1 52	1 35	22 43	0 10	20 56	0 8	7 49	1 1	3 55	16 47	10 14	10 9	14 4	15 12	4 0	
T 23	11 46	10 12	0n 1	2 12	0 35	4 57	0 21	15 46	1 10	1 50	1 35	22 43	0 10	20 56	0 8	7 48	1 1	3 56	16 47	10 14	10 10	14 3	15 13	4 0	
F 24	11 25	6 44	1 6	1 31	0 44	5 28	0 25	15 34	1 10	1 48	1 35	22 44	0 9	20 56	0 8	7 47	1 1	3 56	16 47	10 14	10 12	14 2	15 14	3 59	
S 25	11 5	2 59	2 9	0 51	0 52	5 58	0 30	15 21	1 10	1 46	1 35	22 44	0 9	20 56	0 8	7 46	1 1	3 56	16 47	10 14	10 13	14 0	15 14	3 59	
S 26	10 44	0s55	3 7	0 12	1 1	6 28	0 34	15 9	1 10	1 44	1 36	22 44	0 9	20 56	0 8	7 45	1 1	3 57	16 48	10 14	10 14	13 59	15 15	3 59	
M27	10 23	4 51	3 58	0s27	1 10	6 59	0 38	14 56	1 10	1 42	1 36	22 45	0 9	20 57	0 8	7 44	1 1	3 57	16 48	10 14	10 15	13 58	15 16	3 59	
T 28	10 2	8 37	4 38	1 6	1 19	7 29	0 43	14 44	1 10	1 39	1 36	22 45	0 9	20 57	0 8	7 44	1 1	3 58	16 48	10 14	10 16	13 57	15 17	3 59	
W29	9 41	12 5	5 5	1 43	1 28	7 59	0 47	14 31	1 10	1 37	1 36	22 45	0 9	20 57	0 8	7 43	1 1	3 58	16 49	10 14	10 17	13 55	15 18	3 58	
T 30	9 20	15 3	5 17	2 20	1 37	8 28	0 52	14 18	1 10	1 35	1 36	22 45	0 9	20 57	0 8	7 42	1 1	3 59	16 49	10 14	10 18	13 54	15 19	3 58	
F 31	8n58	17s18	5n13	2s56	1s46	8s58	0s56	14n 6	1n10	1n32	1s37	22s46	0n 9	20n57	0s 8	7n41	1n 1	3s59	16s49	10n14	10n20	13n53	15s20	3n58	

Julian Day Number = 2308216.5, Delta T = 79.40 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'48, Lahiri = 18°22'49Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1607
geocentric

SEPTEMBER 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 38 39	7♍56'56	27♐25	4♎27	21♎49	26♌17	7°R29	12°R23	4♊32	12♍54	0°R53	3♍33	3♍13	19♌24	25♏36	S 1
S 2	22 42 35	8°55'10	11♑38	5°33	22°56	26°55	7♈23	12♑21	4°33	12°56	0♉52	3°33	3°10	19°31	25°40	S 2
M 3	22 46 32	9°53'25	26°13	6°37	24° 3	27°34	7°17	12°20	4°33	12°59	0°52	3°34	3° 7	19°37	25°43	M 3
T 4	22 50 29	10°51'42	11♒ 6	7°39	25°10	28°12	7°10	12°19	4°33	13° 1	0°51	3°35	3° 3	19°44	25°47	T 4
W 5	22 54 25	11°50'00	26°10	8°38	26°17	28°50	7° 4	12°18	4°34	13° 3	0°50	3°R35	3° 0	19°51	25°51	W 5
T 6	22 58 22	12°48'20	11♓17	9°34	27°23	29°28	6°57	12°17	4°34	13° 5	0°50	3°35	2°57	19°57	25°55	T 6
F 7	23 2 18	13°46'42	26°17	10°28	28°29	0♍ 6	6°50	12°16	4°34	13° 8	0°49	3°34	2°54	20° 4	25°59	F 7
S 8	23 6 15	14°45'06	11♈ 3	11°18	29°35	0°44	6°43	12°15	4°34	13°10	0°48	3°33	2°51	20°11	26° 3	S 8
S 9	23 10 11	15°43'32	25°27	12° 5	0♏41	1°22	6°37	12°14	4°34	13°12	0°48	3°32	2°48	20°17	26° 7	S 9
M10	23 14 8	16°42'00	9♉26	12°49	1°47	2° 0	6°29	12°13	4°R34	13°14	0°47	3°30	2°44	20°24	26°11	M10
T 11	23 18 4	17°40'30	22°57	13°29	2°52	2°38	6°22	12°12	4°34	13°16	0°46	3°29	2°41	20°31	26°15	T 11
W12	23 22 1	18°39'02	6♊ 3	14° 5	3°58	3°17	6°15	12°12	4°34	13°19	0°45	3°28	2°38	20°37	26°20	W12
T 13	23 25 57	19°37'37	18°44	14°36	5° 3	3°55	6° 8	12°11	4°34	13°21	0°45	3°D27	2°35	20°44	26°24	T 13
F 14	23 29 54	20°36'14	1♋ 6	15° 3	6° 8	4°33	6° 0	12°11	4°34	13°23	0°44	3°28	2°32	20°50	26°29	F 14
S 15	23 33 51	21°34'53	13°12	15°25	7°13	5°11	5°53	12°11	4°34	13°25	0°43	3°29	2°29	20°57	26°33	S 15
S 16	23 37 47	22°33'34	25° 8	15°41	8°17	5°49	5°45	12°11	4°34	13°28	0°42	3°30	2°25	21° 4	26°38	S 16
M17	23 41 44	23°32'18	6♌57	15°52	9°22	6°27	5°37	12°D11	4°33	13°30	0°41	3°32	2°22	21°10	26°43	M17
T 18	23 45 40	24°31'04	18°44	15°R56	10°26	7° 5	5°30	12°11	4°33	13°32	0°40	3°33	2°19	21°17	26°47	T 18
W19	23 49 37	25°29'51	0♍32	15°54	11°30	7°43	5°22	12°11	4°33	13°34	0°39	3°R34	2°16	21°24	26°52	W19
T 20	23 53 33	26°28'41	12°25	15°45	12°34	8°21	5°14	12°11	4°32	13°36	0°39	3°34	2°13	21°30	26°57	T 20
F 21	23 57 30	27°27'33	24°25	15°29	13°37	9° 0	5° 6	12°11	4°32	13°38	0°38	3°32	2° 9	21°37	27° 2	F 21
S 22	0 1 26	28°26'27	6♎33	15° 5	14°41	9°38	4°58	12°12	4°31	13°41	0°37	3°29	2° 6	21°44	27° 7	S 22
S 23	0 5 23	29°25'23	18°52	14°34	15°44	10°16	4°50	12°12	4°30	13°43	0°36	3°26	2° 3	21°50	27°13	S 23
M24	0 9 20	0♎24'21	1♏23	13°56	16°46	10°54	4°42	12°13	4°30	13°45	0°35	3°21	2° 0	21°57	27°18	M24
T 25	0 13 16	1°23'21	14° 6	13°10	17°49	11°32	4°34	12°14	4°29	13°47	0°34	3°17	1°57	22° 4	27°23	T 25
W26	0 17 13	2°22'22	27° 3	12°17	18°51	12°10	4°26	12°15	4°28	13°49	0°33	3°13	1°54	22°10	27°28	W26
T 27	0 21 9	3°21'26	10♐14	11°19	19°53	12°48	4°18	12°16	4°27	13°51	0°32	3° 9	1°50	22°17	27°34	T 27
F 28	0 25 6	4°20'31	23°41	10°15	20°55	13°26	4°10	12°17	4°26	13°54	0°31	3° 8	1°47	22°24	27°39	F 28
S 29	0 29 2	5°19'38	7♑25	9° 8	21°56	14° 4	4° 2	12°18	4°26	13°56	0°30	3°D 7	1°44	22°30	27°45	S 29
S 30	0 32 59	6♎18'47	21♑26	7♎59	22♏57	14♍42	3♈54	12♑19	4♊25	13♍58	0♉29	3♍ 8	1♍41	22♌37	27♏51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n36	18s37	4n51	3s32	1s55	9s28	1s 1	13n53	1n10	1n30	1s37	22s46	0n 9	20n57	0s 8	7n40	1n 1	4s 0	16s49	10n14	10n21	13n52	15s21	3n58
S 2	8 15	18 49	4 11	4 6	2 4	9 57	1 5	13 40	1 10	1 27	1 37	22 46	0 9	20 57	0 8	7 39	1 1	4 0	16 50	10 13	10 22	13 50	15 22	3 58
M 3	7 53	17 47	3 13	4 39	2 12	10 26	1 10	13 26	1 10	1 24	1 37	22 46	0 9	20 57	0 8	7 38	1 1	4 0	16 50	10 13	10 23	13 49	15 23	3 58
T 4	7 30	15 31	2 2	5 12	2 21	10 55	1 15	13 13	1 10	1 22	1 37	22 47	0 8	20 57	0 8	7 38	1 1	4 1	16 50	10 13	10 24	13 48	15 24	3 57
W 5	7 8	12 11	0 41	5 43	2 29	11 24	1 19	13 0	1 10	1 19	1 37	22 47	0 8	20 57	0 8	7 37	1 1	4 1	16 50	10 13	10 25	13 47	15 25	3 57
T 6	6 46	8 0	0s43	6 13	2 38	11 52	1 24	12 47	1 10	1 16	1 38	22 47	0 8	20 58	0 8	7 36	1 1	4 2	16 51	10 13	10 27	13 45	15 26	3 57
F 7	6 24	3 21	2 3	6 41	2 46	12 20	1 29	12 33	1 10	1 13	1 38	22 47	0 8	20 58	0 8	7 35	1 1	4 2	16 51	10 13	10 28	13 44	15 27	3 57
S 8	6 1	1n25	3 13	7 9	2 54	12 48	1 33	12 20	1 10	1 11	1 38	22 47	0 8	20 58	0 8	7 34	1 1	4 3	16 51	10 13	10 29	13 43	15 28	3 57
S 9	5 38	5 59	4 10	7 34	3 1	13 16	1 38	12 6	1 10	1 8	1 38	22 48	0 8	20 58	0 8	7 33	1 1	4 3	16 51	10 14	10 30	13 42	15 29	3 57
M10	5 16	10 5	4 50	7 58	3 9	13 43	1 43	11 52	1 10	1 5	1 38	22 48	0 8	20 58	0 8	7 32	1 1	4 4	16 52	10 14	10 31	13 40	15 30	3 56
T 11	4 53	13 31	5 12	8 20	3 16	14 11	1 47	11 39	1 10	1 2	1 38	22 48	0 8	20 58	0 8	7 32	1 1	4 4	16 52	10 15	10 32	13 39	15 31	3 56
W12	4 30	16 10	5 17	8 40	3 22	14 37	1 52	11 25	1 10	0 59	1 38	22 48	0 8	20 58	0 8	7 31	1 1	4 5	16 52	10 15	10 33	13 38	15 33	3 56
T 13	4 7	17 56	5 6	8 58	3 28	15 4	1 57	11 11	1 10	0 56	1 39	22 48	0 8	20 58	0 8	7 30	1 1	4 5	16 52	10 16	10 35	13 36	15 34	3 56
F 14	3 44	18 48	4 41	9 14	3 34	15 30	2 2	10 57	1 10	0 53	1 39	22 48	0 7	20 58	0 8	7 29	1 1	4 6	16 53	10 15	10 36	13 35	15 35	3 56
S 15	3 21	18 47	4 4	9 27	3 39	15 56	2 6	10 43	1 10	0 50	1 39	22 48	0 7	20 58	0 8	7 28	1 1	4 6	16 53	10 15	10 37	13 34	15 36	3 56
S 16	2 58	17 55	3 17	9 37	3 43	16 22	2 11	10 29	1 10	0 47	1 39	22 48	0 7	20 57	0 8	7 27	1 1	4 6	16 53	10 15	10 38	13 33	15 37	3 55
M17	2 34	16 17	2 22	9 44	3 46	16 47	2 16	10 15	1 10	0 43	1 39	22 49	0 7	20 57	0 8	7 27	1 1	4 7	16 53	10 14	10 39	13 31	15 39	3 55
T 18	2 11	13 57	1 21	9 48	3 49	17 12	2 21	10 1	1 10	0 40	1 39	22 49	0 7	20 57	0 8	7 26	1 1	4 7	16 53	10 13	10 40	13 30	15 40	3 55
W19	1 48	11 3	0 17	9 48	3 50	17 37	2 25	9 47	1 10	0 37	1 39	22 49	0 7	20 57	0 8	7 25	1 1	4 8	16 54	10 13	10 41	13 29	15 41	3 55
T 20	1 24	7 40	0n49	9 45	3 50	18 1	2 30	9 32	1 10	0 34	1 39	22 49	0 7	20 57	0 8	7 24	1 1	4 8	16 54	10 13	10 43	13 27	15 42	3 55
F 21	1 1	3 57	1 52	9 38	3 49	18 25	2 35	9 18	1 10	0 31	1 39	22 49	0 7	20 57	0 8	7 23	1 1	4 9	16 54	10 14	10 44	13 26	15 44	3 55
S 22	0 37	0 1	2 52	9 26	3 47	18 48	2 39	9 3	1 10	0 28	1 39	22 49	0 7	20 57	0 8	7 22	1 1	4 9	16 54	10 15	10 45	13 25	15 45	3 55
S 23	0 14	3s57	3 44	9 10	3 43	19 11	2 44	8 49	1 10	0 24	1 39	22 49	0 7	20 57	0 8	7 22	1 1	4 10	16 54	10 16	10 46	13 23	15 46	3 55
M24	0s10	7 49	4 26	8 50	3 37	19 34	2 48	8 34	1 10	0 21	1 39	22 49	0 7	20 57	0 8	7 21	1 1	4 10	16 54	10 18	10 47	13 22	15 47	3 54
T 25	0 33	11 23	4 56	8 25	3 29	19 56	2 53	8 20	1 10	0 18	1 39	22 49	0 6	20 57	0 8	7 20	1 1	4 11	16 55	10 19	10 48	13 21	15 49	3 54
W26	0 57	14 29	5 11	7 56	3 20	20 18	2 57	8 5	1 10	0 15	1 39	22 49	0 6	20 56	0 8	7 19	1 1	4 11	16 55	10 21	10 49	13 19	15 50	3 54
T 27	1 20	16 54	5 11	7 22	3 9	20 40	3 2	7 51	1 10	0 11	1 39	22 49	0 6	20 56	0 8	7 18	1 1	4 12	16 55	10 22	10 51	13 18	15 51	3 54
F 28	1 44	18 27	4 53	6 45	2 55	21 1	3 6	7 36	1 10	0 8	1 39	22 49	0 6	20 56	0 8	7 18	1 1	4 12	16 55	10 23	10 52	13 17	15 53	3 54
S 29	2 7	18 58	4 19	6 5	2 40	21 21	3 10	7 21	1 10	0 5	1 39	22 49	0 6	20 56	0 8	7 17	1 1	4 13	16 55	10 23	10 53	13 15	15 54	3 54
S 30	2s31	18s21	3n29	5s22	2s23	21s41	3s15	7n 6	1n10	0n 2	1s39	22s49	0n 6	20n56	0s 8	7n16	1n 1	4s13	16s55	10n23	10n54	13n14	15s55	3n54

Julian Day Number = 2308247.5, Delta T = 79.30 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'53, Lahiri = 18°22'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

OCTOBER 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 36 55	7♎17'58	5♒42	6°R49	23♏58	15♍21	3°R46	12♑20	4°R24	14♍ 0	0°R28	3♍ 9	1♍38	22♌43	27♏56	M 1
T 2	0 40 52	8°17'10	20°14	5♎40	24°59	15°59	3♈38	12°22	4♊22	14° 2	0♉27	3°11	1°34	22°50	28° 2	T 2
W 3	0 44 49	9°16'24	4♓56	4°35	25°59	16°37	3°30	12°23	4°21	14° 4	0°26	3°R11	1°31	22°57	28° 8	W 3
T 4	0 48 45	10°15'40	19°44	3°35	26°58	17°15	3°22	12°25	4°20	14° 6	0°25	3°10	1°28	23° 3	28°14	T 4
F 5	0 52 42	11°14'58	4♈30	2°42	27°58	17°53	3°14	12°27	4°19	14° 8	0°24	3° 7	1°25	23°10	28°20	F 5
S 6	0 56 38	12°14'18	19° 7	1°58	28°56	18°31	3° 6	12°29	4°18	14°10	0°23	3° 3	1°22	23°17	28°26	S 6
S 7	1 0 35	13°13'40	3♉29	1°23	29°55	19° 9	2°58	12°31	4°17	14°12	0°22	2°56	1°19	23°23	28°32	S 7
M 8	1 4 31	14°13'04	17°29	0°58	0♗53	19°47	2°50	12°33	4°15	14°14	0°20	2°50	1°15	23°30	28°38	M 8
T 9	1 8 28	15°12'31	1♊ 4	0°44	1°51	20°25	2°43	12°35	4°14	14°16	0°19	2°43	1°12	23°37	28°44	T 9
W10	1 12 24	16°12'00	14°14	0°D41	2°48	21° 3	2°35	12°37	4°12	14°18	0°18	2°38	1° 9	23°43	28°50	W10
T 11	1 16 21	17°11'31	26°59	0°50	3°45	21°42	2°27	12°39	4°11	14°20	0°17	2°34	1° 6	23°50	28°56	T 11
F 12	1 20 17	18°11'04	9♋23	1° 9	4°41	22°20	2°20	12°42	4° 9	14°22	0°16	2°31	1° 3	23°57	29° 3	F 12
S 13	1 24 14	19°10'40	21°30	1°37	5°37	22°58	2°12	12°44	4° 8	14°24	0°15	2°D31	1° 0	24° 3	29° 9	S 13
S 14	1 28 11	20°10'18	3♌25	2°16	6°32	23°36	2° 5	12°47	4° 6	14°26	0°14	2°32	0°56	24°10	29°15	S 14
M15	1 32 7	21° 9'58	15°14	3° 2	7°27	24°14	1°58	12°49	4° 5	14°28	0°13	2°33	0°53	24°17	29°22	M15
T 16	1 36 4	22° 9'41	27° 1	3°57	8°21	24°52	1°51	12°52	4° 3	14°29	0°12	2°R34	0°50	24°23	29°28	T 16
W17	1 40 0	23° 9'25	8♍51	4°59	9°14	25°30	1°44	12°55	4° 1	14°31	0°11	2°34	0°47	24°30	29°35	W17
T 18	1 43 57	24° 9'12	20°50	6° 6	10° 7	26° 8	1°37	12°58	4° 0	14°33	0° 9	2°32	0°44	24°36	29°41	T 18
F 19	1 47 53	25° 9'01	2♎58	7°19	11° 0	26°46	1°30	13° 1	3°58	14°35	0° 8	2°28	0°40	24°43	29°48	F 19
S 20	1 51 50	26° 8'52	15°20	8°37	11°51	27°25	1°24	13° 4	3°56	14°37	0° 7	2°21	0°37	24°50	29°55	S 20
S 21	1 55 46	27° 8'45	27°57	9°59	12°42	28° 3	1°17	13° 7	3°54	14°38	0° 6	2°13	0°34	24°56	0♐ 1	S 21
M22	1 59 43	28° 8'40	10♏48	11°24	13°33	28°41	1°11	13°10	3°52	14°40	0° 5	2° 3	0°31	25° 3	0° 8	M22
T 23	2 3 40	29° 8'37	23°53	12°51	14°22	29°19	1° 4	13°14	3°50	14°42	0° 4	1°52	0°28	25°10	0°15	T 23
W24	2 7 36	0♏ 8'36	7♐10	14°22	15°11	29°57	0°58	13°17	3°48	14°44	0° 3	1°42	0°25	25°16	0°22	W24
T 25	2 11 33	1° 8'37	20°39	15°54	15°59	0♎35	0°52	13°21	3°46	14°45	0° 1	1°34	0°21	25°23	0°29	T 25
F 26	2 15 29	2° 8'39	4♑18	17°27	16°47	1°13	0°47	13°25	3°44	14°47	0° 0	1°29	0°18	25°30	0°36	F 26
S 27	2 19 26	3° 8'43	18° 6	19° 2	17°33	1°51	0°41	13°28	3°42	14°49	29♈59	1°25	0°15	25°36	0°43	S 27
S 28	2 23 22	4° 8'48	2♒ 3	20°38	18°18	2°30	0°35	13°32	3°40	14°50	29°58	1°D24	0°12	25°43	0°50	S 28
M29	2 27 19	5° 8'55	16° 8	22°14	19° 3	3° 8	0°30	13°36	3°38	14°52	29°57	1°25	0° 9	25°50	0°57	M29
T 30	2 31 15	6° 9'04	0♓20	23°51	19°46	3°46	0°25	13°40	3°36	14°53	29°56	1°R25	0° 5	25°56	1° 4	T 30
W31	2 35 12	7♏ 9'14	14♓38	25♎28	20♐29	4♎24	0♈20	13♑44	3♊34	14♍55	29♈55	1♍24	0♍ 2	26♌ 3	1♐11	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2s54	16s33	2n25	4s38	2s 5	22s 1	3s19	6n52	1n10	0s 1	1s39	22s49	0n 6	20n56	0s 8	7n15	1n 2	4s13	16s55	10n22	10n55	13n13	15s57	3n54
T 2	3 18	13 40	1 10	3 53	1 46	22 20	3 23	6 37	1 10	0 4	1 39	22 49	0 6	20 55	0 8	7 14	1 2	4 14	16 56	10 22	10 56	13 11	15 58	3 54
W 3	3 41	9 52	0s10	3 8	1 26	22 39	3 27	6 22	1 10	0 8	1 39	22 49	0 6	20 55	0 8	7 14	1 2	4 14	16 56	10 21	10 57	13 10	15 59	3 54
T 4	4 4	5 26	1 29	2 26	1 5	22 57	3 31	6 7	1 10	0 11	1 39	22 49	0 6	20 55	0 8	7 13	1 2	4 15	16 56	10 22	10 58	13 9	16 1	3 53
F 5	4 28	0 41	2 42	1 46	0 45	23 14	3 35	5 52	1 10	0 14	1 39	22 49	0 6	20 55	0 8	7 12	1 2	4 15	16 56	10 23	11 0	13 7	16 2	3 53
S 6	4 51	4n 3	3 44	1 9	0 25	23 32	3 39	5 37	1 10	0 17	1 39	22 49	0 5	20 55	0 8	7 11	1 2	4 16	16 56	10 25	11 1	13 6	16 3	3 53
S 7	5 14	8 28	4 30	0 38	0 5	23 48	3 43	5 22	1 9	0 20	1 39	22 49	0 5	20 54	0 8	7 11	1 2	4 16	16 56	10 27	11 2	13 5	16 5	3 53
M 8	5 37	12 18	4 59	0 11	0n13	24 4	3 47	5 7	1 9	0 23	1 39	22 48	0 5	20 54	0 8	7 10	1 2	4 17	16 56	10 29	11 3	13 3	16 6	3 53
T 9	6 0	15 22	5 10	0n11	0 31	24 20	3 50	4 52	1 9	0 26	1 39	22 48	0 5	20 54	0 8	7 9	1 2	4 17	16 56	10 32	11 4	13 2	16 8	3 53
W10	6 23	17 32	5 4	0 26	0 47	24 35	3 54	4 37	1 9	0 29	1 39	22 48	0 5	20 54	0 8	7 8	1 2	4 17	16 56	10 34	11 5	13 1	16 9	3 53
T 11	6 46	18 45	4 42	0 36	1 1	24 50	3 57	4 22	1 9	0 32	1 39	22 48	0 5	20 53	0 8	7 8	1 2	4 18	16 56	10 35	11 6	12 59	16 10	3 53
F 12	7 9	19 2	4 8	0 41	1 14	25 4	4 1	4 7	1 9	0 35	1 39	22 48	0 5	20 53	0 8	7 7	1 2	4 18	16 56	10 36	11 8	12 58	16 12	3 53
S 13	7 31	18 25	3 24	0 40	1 26	25 17	4 4	3 51	1 9	0 38	1 39	22 48	0 5	20 53	0 8	7 6	1 2	4 19	16 56	10 36	11 9	12 57	16 13	3 53
S 14	7 54	16 59	2 31	0 34	1 35	25 30	4 7	3 36	1 9	0 40	1 38	22 48	0 5	20 53	0 8	7 6	1 2	4 19	16 57	10 36	11 10	12 55	16 14	3 53
M15	8 16	14 50	1 32	0 22	1 44	25 42	4 10	3 21	1 9	0 43	1 38	22 47	0 5	20 52	0 8	7 5	1 2	4 20	16 57	10 35	11 11	12 54	16 16	3 53
T 16	8 39	12 4	0 30	0 7	1 51	25 54	4 13	3 6	1 9	0 46	1 38	22 47	0 5	20 52	0 8	7 4	1 2	4 20	16 57	10 35	11 12	12 52	16 17	3 53
W17	9 1	8 47	0n34	0s12	1 56	26 5	4 16	2 50	1 9	0 48	1 38	22 47	0 4	20 52	0 8	7 3	1 2	4 20	16 57	10 35	11 13	12 51	16 19	3 53
T 18	9 23	5 8	1 37	0 35	2 0	26 16	4 18	2 35	1 9	0 51	1 38	22 47	0 4	20 51	0 8	7 3	1 2	4 21	16 57	10 35	11 14	12 50	16 20	3 53
F 19	9 45	1 12	2 36	1 2	2 3	26 26	4 21	2 20	1 9	0 54	1 38	22 47	0 4	20 51	0 8	7 2	1 2	4 21	16 57	10 37	11 15	12 48	16 21	3 53
S 20	10 7	2s50	3 29	1 31	2 5	26 36	4 23	2 5	1 8	0 56	1 38	22 46	0 4	20 51	0 8	7 1	1 2	4 21	16 57	10 39	11 17	12 47	16 23	3 53
S 21	10 29	6 50	4 13	2 2	2 6	26 45	4 25	1 49	1 8	0 59	1 37	22 46	0 4	20 50	0 8	7 1	1 2	4 22	16 57	10 43	11 18	12 46	16 24	3 53
M22	10 50	10 35	4 44	2 35	2 6	26 54	4 27	1 34	1 8	1 1	1 37	22 46	0 4	20 50	0 8	7 0	1 2	4 22	16 57	10 46	11 19	12 44	16 26	3 53
T 23	11 12	13 54	5 2	3 11	2 5	27 1	4 29	1 19	1 8	1 3	1 37	22 46	0 4	20 50	0 8	7 0	1 2	4 23	16 57	10 50	11 20	12 43	16 27	3 53
W24	11 33	16 34	5 3	3 47	2 3	27 9	4 31	1 4	1 8	1 6	1 37	22 45	0 4	20 49	0 8	6 59	1 2	4 23	16 57	10 53	11 21	12 41	16 28	3 53
T 25	11 54	18 22	4 48	4 25	2 0	27 16	4 32	0 48	1 8	1 8	1 37	22 45	0 4	20 49	0 8	6 58	1 2	4 23	16 57	10 56	11 22	12 40	16 30	3 53
F 26	12 15	19 9	4 17	5 3	1 57	27 22	4 34	0 33	1 8	1 10	1 36	22 45	0 4	20 48	0 8	6 58	1 2	4 24	16 57	10 58	11 23	12 39	16 31	3 53
S 27	12 35	18 48	3 30	5 43	1 54	27 28	4 35	0 18	1 8	1 12	1 36	22 45	0 4	20 48	0 8	6 57	1 2	4 24	16 57	10 59	11 24	12 37	16 33	3 53
S 28	12 56	17 18	2 30	6 23	1 50	27 33	4 36	0 2	1 7	1 14	1 36	22 44	0 4	20 48	0 8	6 56	1 2	4 24	16 57	11 0	11 26	12 36	16 34	3 53
M29	13 16	14 45	1 21	7 3	1 45	27 38	4 36	0s13	1 7	1 16	1 36	22 44	0 3	20 47	0 8	6 56	1 2	4 25	16 57	11 0	11 27	12 34	16 35	3 53
T 30	13 36	11 17	0 6	7 43	1 40	27 42	4 37	0 28	1 7	1 18	1 36	22 44	0 3	20 47	0 8	6 55	1 2	4 25	16 56	11 0	11 28	12 33	16 37	3 53
W31	13s56	7s 8	1s10	8s23	1n35	27s45	4s37	0s44	1n 7	1s20	1s35	22s43	0n 3	20n46	0s 8	6n55	1n 2	4s25	16s56	11n 0	11n29	12n31	16s38	3n53

Julian Day Number = 2308277.5, Delta T = 79.21 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°15'57, Lahiri = 18°22'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

NOVEMBER 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 39 9	8♏ 9'25	28♓59	27♎ 6	21♐10	5♎ 2	0°R15	13♑48	3°R31	14♍56	29°R54	1°R22	29♌59	26♌ 9	1♐18	T 1
F 2	2 43 5	9° 9'38	13♈20	28°44	21°51	5°40	0♈11	13°52	3♊29	14°58	29♈52	1♍16	29°56	26°16	1°25	F 2
S 3	2 47 2	10° 9'53	27°36	0♏21	22°30	6°18	0° 6	13°57	3°27	14°59	29°51	1° 8	29°53	26°23	1°32	S 3
S 4	2 50 58	11°10'09	11♉41	1°59	23° 8	6°56	0° 2	14° 1	3°25	15° 1	29°50	0°57	29°50	26°29	1°39	S 4
M 5	2 54 55	12°10'27	25°30	3°37	23°44	7°35	29♓58	14° 5	3°22	15° 2	29°49	0°45	29°46	26°36	1°46	M 5
T 6	2 58 51	13°10'48	8♊58	5°14	24°20	8°13	29°54	14°10	3°20	15° 3	29°48	0°33	29°43	26°43	1°53	T 6
W 7	3 2 48	14°11'09	22° 5	6°52	24°54	8°51	29°50	14°14	3°18	15° 5	29°47	0°23	29°40	26°49	2° 1	W 7
T 8	3 6 44	15°11'33	4♋50	8°29	25°26	9°29	29°46	14°19	3°15	15° 6	29°46	0°14	29°37	26°56	2° 8	T 8
F 9	3 10 41	16°11'59	17°15	10° 6	25°57	10° 7	29°43	14°24	3°13	15° 7	29°45	0° 8	29°34	27° 3	2°15	F 9
S 10	3 14 38	17°12'26	29°23	11°42	26°27	10°45	29°40	14°29	3°11	15° 9	29°44	0° 5	29°31	27° 9	2°23	S 10
S 11	3 18 34	18°12'56	11♌18	13°19	26°55	11°23	29°37	14°34	3° 8	15°10	29°43	0° 3	29°27	27°16	2°30	S 11
M12	3 22 31	19°13'27	23° 7	14°55	27°21	12° 2	29°34	14°38	3° 6	15°11	29°42	0° 3	29°24	27°23	2°37	M12
T 13	3 26 27	20°13'59	4♍55	16°31	27°46	12°40	29°32	14°43	3° 3	15°12	29°41	0° 3	29°21	27°29	2°45	T 13
W14	3 30 24	21°14'34	16°47	18° 7	28° 9	13°18	29°29	14°49	3° 1	15°13	29°39	0° 2	29°18	27°36	2°52	W14
T 15	3 34 20	22°15'11	28°48	19°43	28°30	13°56	29°27	14°54	2°58	15°15	29°38	29♌59	29°15	27°42	2°59	T 15
F 16	3 38 17	23°15'49	11♎ 3	21°18	28°49	14°34	29°25	14°59	2°56	15°16	29°37	29°53	29°11	27°49	3° 7	F 16
S 17	3 42 13	24°16'28	23°36	22°53	29° 6	15°12	29°24	15° 4	2°53	15°17	29°36	29°45	29° 8	27°56	3°14	S 17
S 18	3 46 10	25°17'10	6♏27	24°28	29°22	15°51	29°22	15° 9	2°51	15°18	29°35	29°34	29° 5	28° 2	3°21	S 18
M19	3 50 7	26°17'53	19°38	26° 3	29°35	16°29	29°21	15°15	2°48	15°19	29°34	29°21	29° 2	28° 9	3°29	M19
T 20	3 54 3	27°18'37	3♐ 6	27°38	29°46	17° 7	29°20	15°20	2°46	15°20	29°33	29° 7	28°59	28°16	3°36	T 20
W21	3 58 0	28°19'23	16°50	29°12	29°55	17°45	29°19	15°26	2°43	15°21	29°32	28°55	28°56	28°22	3°44	W21
T 22	4 1 56	29°20'09	0♑45	0♐46	0♑ 1	18°23	29°18	15°31	2°41	15°22	29°31	28°44	28°52	28°29	3°51	T 22
F 23	4 5 53	0♐20'58	14°47	2°21	0° 5	19° 1	29°17	15°37	2°38	15°22	29°30	28°36	28°49	28°36	3°59	F 23
S 24	4 9 49	1°21'47	28°53	3°55	0°R 7	19°40	29°17	15°43	2°36	15°23	29°30	28°31	28°46	28°42	4° 6	S 24
S 25	4 13 46	2°22'37	13♒ 0	5°29	0° 6	20°18	29°D17	15°49	2°33	15°24	29°29	28°29	28°43	28°49	4°13	S 25
M26	4 17 42	3°23'27	27° 6	7° 3	0° 3	20°56	29°17	15°54	2°31	15°25	29°28	28°28	28°40	28°56	4°21	M26
T 27	4 21 39	4°24'19	11♓10	8°37	29♐58	21°34	29°18	16° 0	2°28	15°26	29°27	28°28	28°37	29° 2	4°28	T 27
W28	4 25 36	5°25'11	25°12	10°11	29°50	22°12	29°18	16° 6	2°26	15°26	29°26	28°27	28°33	29° 9	4°36	W28
T 29	4 29 32	6°26'05	9♈11	11°44	29°39	22°50	29°19	16°12	2°23	15°27	29°25	28°24	28°30	29°16	4°43	T 29
F 30	4 33 29	7♐26'59	23♈ 6	13♐18	29♐26	23♎28	29♓20	16♑18	2♊21	15♍28	29♈24	28♌18	28♌27	29♌22	4♐51	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s15	2s34	2s21	9s 4	1n30	27s48	4s37	0s59	1n 7	1s21	1s35	22s43	0n 3	20n46	0s 8	6n54	1n 2	4s26	16s56	11n 1	11n30	12n30	16s39	3n53
F 2	14 35	2n 9	3 24	9 44	1 24	27 51	4 37	1 14	1 7	1 23	1 35	22 43	0 3	20 46	0 8	6 54	1 2	4 26	16 56	11 3	11 31	12 29	16 41	3 53
S 3	14 54	6 43	4 13	10 24	1 18	27 53	4 37	1 29	1 7	1 24	1 35	22 42	0 3	20 45	0 8	6 53	1 3	4 26	16 56	11 6	11 32	12 27	16 42	3 53
S 4	15 13	10 50	4 45	11 4	1 12	27 54	4 36	1 45	1 7	1 26	1 34	22 42	0 3	20 45	0 8	6 53	1 3	4 27	16 56	11 9	11 33	12 26	16 44	3 53
M 5	15 31	14 18	5 1	11 43	1 6	27 55	4 35	2 0	1 6	1 27	1 34	22 42	0 3	20 44	0 8	6 52	1 3	4 27	16 56	11 14	11 34	12 24	16 45	3 53
T 6	15 50	16 55	4 59	12 22	0 59	27 55	4 34	2 15	1 6	1 29	1 34	22 41	0 3	20 44	0 8	6 52	1 3	4 27	16 56	11 18	11 36	12 23	16 46	3 53
W 7	16 8	18 35	4 41	13 0	0 53	27 55	4 32	2 30	1 6	1 30	1 34	22 41	0 3	20 43	0 8	6 51	1 3	4 27	16 56	11 22	11 37	12 21	16 48	3 53
T 8	16 26	19 15	4 9	13 38	0 46	27 55	4 30	2 45	1 6	1 31	1 33	22 40	0 3	20 43	0 8	6 51	1 3	4 28	16 56	11 25	11 38	12 20	16 49	3 53
F 9	16 43	18 57	3 27	14 15	0 39	27 53	4 28	3 1	1 6	1 32	1 33	22 40	0 3	20 43	0 8	6 50	1 3	4 28	16 56	11 27	11 39	12 19	16 50	3 54
S 10	17 0	17 47	2 35	14 52	0 33	27 52	4 25	3 16	1 6	1 33	1 33	22 39	0 3	20 42	0 8	6 50	1 3	4 28	16 56	11 28	11 40	12 17	16 52	3 54
S 11	17 17	15 51	1 38	15 27	0 26	27 50	4 22	3 31	1 5	1 34	1 33	22 39	0 2	20 42	0 8	6 49	1 3	4 28	16 55	11 29	11 41	12 16	16 53	3 54
M12	17 34	13 16	0 37	16 2	0 19	27 47	4 19	3 46	1 5	1 35	1 32	22 39	0 2	20 41	0 8	6 49	1 3	4 29	16 55	11 29	11 42	12 14	16 54	3 54
T 13	17 50	10 8	0n26	16 37	0 12	27 44	4 16	4 1	1 5	1 36	1 32	22 38	0 2	20 41	0 8	6 48	1 3	4 29	16 55	11 29	11 43	12 13	16 55	3 54
W14	18 6	6 34	1 28	17 10	0 6	27 40	4 12	4 16	1 5	1 36	1 32	22 38	0 2	20 40	0 8	6 48	1 3	4 29	16 55	11 29	11 44	12 11	16 57	3 54
T 15	18 22	2 43	2 26	17 43	0s 1	27 36	4 7	4 31	1 5	1 37	1 32	22 37	0 2	20 40	0 8	6 48	1 3	4 29	16 55	11 30	11 46	12 10	16 58	3 54
F 16	18 38	1s20	3 19	18 15	0 8	27 31	4 2	4 46	1 4	1 38	1 31	22 37	0 2	20 39	0 8	6 47	1 3	4 29	16 55	11 32	11 47	12 8	16 59	3 54
S 17	18 53	5 24	4 3	18 46	0 14	27 26	3 57	5 1	1 4	1 38	1 31	22 36	0 2	20 39	0 8	6 47	1 3	4 30	16 55	11 35	11 48	12 7	17 1	3 54
S 18	19 7	9 20	4 37	19 16	0 21	27 21	3 51	5 16	1 4	1 38	1 31	22 36	0 2	20 38	0 8	6 47	1 3	4 30	16 54	11 39	11 49	12 5	17 2	3 55
M19	19 22	12 55	4 56	19 45	0 28	27 14	3 45	5 31	1 4	1 39	1 30	22 35	0 2	20 38	0 8	6 46	1 3	4 30	16 54	11 43	11 50	12 4	17 3	3 55
T 20	19 36	15 55	4 59	20 13	0 34	27 8	3 39	5 45	1 4	1 39	1 30	22 34	0 2	20 37	0 8	6 46	1 3	4 30	16 54	11 48	11 51	12 2	17 4	3 55
W21	19 50	18 6	4 46	20 41	0 40	27 1	3 32	6 0	1 3	1 39	1 30	22 34	0 2	20 37	0 8	6 46	1 3	4 30	16 54	11 53	11 52	12 1	17 6	3 55
T 22	20 3	19 14	4 15	21 7	0 47	26 53	3 24	6 15	1 3	1 39	1 30	22 33	0 2	20 36	0 8	6 45	1 3	4 30	16 54	11 56	11 53	12 0	17 7	3 55
F 23	20 16	19 12	3 29	21 32	0 53	26 45	3 16	6 30	1 3	1 39	1 29	22 33	0 2	20 36	0 8	6 45	1 3	4 31	16 53	11 59	11 54	11 58	17 8	3 55
S 24	20 29	17 59	2 30	21 56	0 59	26 37	3 7	6 44	1 3	1 39	1 29	22 32	0 1	20 35	0 8	6 45	1 3	4 31	16 53	12 1	11 56	11 57	17 9	3 55
S 25	20 41	15 39	1 21	22 19	1 5	26 28	2 58	6 59	1 3	1 38	1 29	22 32	0 1	20 35	0 8	6 44	1 3	4 31	16 53	12 2	11 57	11 55	17 10	3 56
M26	20 53	12 23	0 7	22 41	1 10	26 18	2 49	7 13	1 2	1 38	1 28	22 31	0 1	20 35	0 8	6 44	1 3	4 31	16 53	12 2	11 58	11 54	17 11	3 56
T 27	21 4	8 25	1s 7	23 2	1 16	26 8	2 38	7 28	1 2	1 38	1 28	22 30	0 1	20 34	0 8	6 44	1 4	4 31	16 53	12 2	11 59	11 52	17 13	3 56
W28	21 15	4 0	2 16	23 22	1 21	25 57	2 28	7 42	1 2	1 37	1 28	22 30	0 1	20 34	0 8	6 44	1 4	4 31	16 52	12 2	12 0	11 51	17 14	3 56
T 29	21 26	0n37	3 18	23 40	1 26	25 46	2 17	7 57	1 2	1 37	1 28	22 29	0 1	20 33	0 8	6 43	1 4	4 31	16 52	12 3	12 1	11 49	17 15	3 56
F 30	21s36	5n11	4s 7	23s57	1s31	25s34	2s 5	8s11	1n 1	1s36	1s27	22s28	0n 1	20n33	0s 8	6n43	1n 4	4s31	16s52	12n 5	12n 2	11n48	17s16	3n57

Julian Day Number = 2308308.5, Delta T = 79.11 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'01, Lahiri = 18°23'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1607
geocentric

DECEMBER 1607 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 37 25	8♐27'53	6♉54	14♐52	29°R10	24♎ 7	29♓21	16♑24	2°R18	15♍28	29°R23	28°R 9	28♌24	29♌29	4♐58	S 1
S 2	4 41 22	9°28'49	20°33	16°26	28♐53	24°45	29°22	16°30	2♊16	15°29	29♈22	27♌57	28°21	29°35	5° 5	S 2
M 3	4 45 18	10°29'46	4♊ 0	18° 0	28°32	25°23	29°24	16°36	2°13	15°29	29°22	27°45	28°17	29°42	5°13	M 3
T 4	4 49 15	11°30'43	17°11	19°33	28°10	26° 1	29°26	16°43	2°11	15°30	29°21	27°32	28°14	29°49	5°20	T 4
W 5	4 53 11	12°31'42	0♋ 6	21° 7	27°45	26°39	29°28	16°49	2° 8	15°30	29°20	27°20	28°11	29°55	5°28	W 5
T 6	4 57 8	13°32'41	12°43	22°41	27°18	27°17	29°30	16°55	2° 6	15°31	29°19	27°10	28° 8	0♍ 2	5°35	T 6
F 7	5 1 5	14°33'42	25° 4	24°15	26°50	27°55	29°32	17° 1	2° 3	15°31	29°19	27° 3	28° 5	0° 9	5°42	F 7
S 8	5 5 1	15°34'43	7♌10	25°49	26°19	28°34	29°35	17° 8	2° 1	15°31	29°18	26°58	28° 2	0°15	5°50	S 8
S 9	5 8 58	16°35'46	19° 5	27°23	25°47	29°12	29°38	17°14	1°58	15°32	29°17	26°56	27°58	0°22	5°57	S 9
M10	5 12 54	17°36'49	0♍54	28°56	25°14	29°50	29°41	17°21	1°56	15°32	29°16	26°D56	27°55	0°29	6° 4	M10
T 11	5 16 51	18°37'53	12°41	0♑30	24°40	0♏28	29°44	17°27	1°53	15°32	29°16	26°57	27°52	0°35	6°12	T 11
W12	5 20 47	19°38'58	24°32	2° 4	24° 4	1° 6	29°47	17°34	1°51	15°33	29°15	26°R57	27°49	0°42	6°19	W12
T 13	5 24 44	20°40'04	6♎33	3°37	23°29	1°44	29°51	17°40	1°49	15°33	29°14	26°55	27°46	0°49	6°26	T 13
F 14	5 28 40	21°41'11	18°49	5°10	22°52	2°22	29°55	17°47	1°46	15°33	29°14	26°52	27°43	0°55	6°33	F 14
S 15	5 32 37	22°42'18	1♏25	6°43	22°16	3° 0	29°59	17°53	1°44	15°33	29°13	26°45	27°39	1° 2	6°41	S 15
S 16	5 36 34	23°43'27	14°23	8°16	21°39	3°39	0♈ 3	18° 0	1°42	15°33	29°12	26°37	27°36	1° 8	6°48	S 16
M17	5 40 30	24°44'36	27°45	9°48	21° 3	4°17	0° 7	18° 7	1°39	15°33	29°12	26°27	27°33	1°15	6°55	M17
T 18	5 44 27	25°45'45	11♐31	11°19	20°28	4°55	0°12	18°14	1°37	15°R33	29°11	26°16	27°30	1°22	7° 2	T 18
W19	5 48 23	26°46'56	25°36	12°50	19°53	5°33	0°16	18°20	1°35	15°33	29°11	26° 6	27°27	1°28	7° 9	W19
T 20	5 52 20	27°48'06	9♑57	14°20	19°20	6°11	0°21	18°27	1°33	15°33	29°10	25°57	27°23	1°35	7°16	T 20
F 21	5 56 16	28°49'17	24°27	15°49	18°47	6°49	0°27	18°34	1°31	15°33	29°10	25°51	27°20	1°42	7°24	F 21
S 22	6 0 13	29°50'28	9♒ 0	17°16	18°17	7°27	0°32	18°41	1°28	15°33	29° 9	25°47	27°17	1°48	7°31	S 22
S 23	6 4 9	0♑51'39	23°29	18°42	17°47	8° 5	0°37	18°48	1°26	15°33	29° 9	25°D46	27°14	1°55	7°38	S 23
M24	6 8 6	1°52'50	7♓51	20° 5	17°20	8°43	0°43	18°54	1°24	15°33	29° 8	25°46	27°11	2° 2	7°45	M24
T 25	6 12 3	2°54'00	22° 3	21°27	16°55	9°21	0°49	19° 1	1°22	15°32	29° 8	25°47	27° 8	2° 8	7°52	T 25
W26	6 15 59	3°55'11	6♈ 4	22°45	16°32	9°59	0°55	19° 8	1°20	15°32	29° 8	25°R48	27° 4	2°15	7°58	W26
T 27	6 19 56	4°56'21	19°53	24° 1	16°10	10°37	1° 1	19°15	1°18	15°32	29° 7	25°46	27° 1	2°22	8° 5	T 27
F 28	6 23 52	5°57'31	3♉31	25°12	15°52	11°16	1° 7	19°22	1°16	15°32	29° 7	25°43	26°58	2°28	8°12	F 28
S 29	6 27 49	6°58'41	16°56	26°19	15°35	11°54	1°14	19°29	1°14	15°31	29° 6	25°38	26°55	2°35	8°19	S 29
S 30	6 31 45	7°59'50	0♊10	27°20	15°21	12°32	1°20	19°36	1°12	15°31	29° 6	25°30	26°52	2°42	8°26	S 30
M31	6 35 42	9♑ 0'59	13♊12	28♑16	15♐10	13♏10	1♈27	19♑43	1♊10	15♍30	29♈ 6	25♌22	26♌49	2♍48	8♐32	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s46	9n25	4s41	24s13	1s36	25s22	1s53	8s25	1n 1	1s35	1s27	22s28	0n 1	20n32	0s 8	6n43	1n 4	4s31	16s52	12n 8	12n 3	11n46	17s17	3n57
S 2	21 55	13 8	4 58	24 28	1 41	25 9	1 40	8 40	1 1	1 34	1 27	22 27	0 1	20 32	0 8	6 43	1 4	4 31	16 51	12 12	12 4	11 45	17 18	3 57
M 3	22 4	16 5	4 59	24 41	1 45	24 56	1 27	8 54	1 1	1 34	1 26	22 26	0 1	20 31	0 8	6 43	1 4	4 31	16 51	12 17	12 6	11 43	17 19	3 57
T 4	22 13	18 10	4 44	24 54	1 49	24 42	1 13	9 8	1 0	1 33	1 26	22 26	0 1	20 31	0 8	6 43	1 4	4 31	16 51	12 21	12 7	11 42	17 20	3 57
W 5	22 21	19 15	4 14	25 4	1 53	24 27	0 59	9 22	1 0	1 32	1 26	22 25	0 1	20 30	0 8	6 42	1 4	4 31	16 51	12 25	12 8	11 40	17 21	3 58
T 6	22 28	19 22	3 32	25 14	1 57	24 12	0 45	9 36	1 0	1 30	1 25	22 24	0 1	20 30	0 8	6 42	1 4	4 31	16 50	12 29	12 9	11 39	17 22	3 58
F 7	22 36	18 32	2 41	25 22	2 0	23 57	0 30	9 50	0 59	1 29	1 25	22 24	0 0	20 29	0 8	6 42	1 4	4 31	16 50	12 31	12 10	11 37	17 24	3 58
S 8	22 42	16 51	1 43	25 28	2 3	23 41	0 15	10 4	0 59	1 28	1 25	22 23	0 0	20 29	0 8	6 42	1 4	4 31	16 50	12 33	12 11	11 36	17 25	3 58
S 9	22 49	14 28	0 42	25 33	2 6	23 25	0n 0	10 18	0 59	1 26	1 25	22 22	0 0	20 28	0 8	6 42	1 4	4 31	16 50	12 33	12 12	11 34	17 26	3 59
M10	22 55	11 30	0n21	25 37	2 8	23 8	0 16	10 31	0 59	1 25	1 24	22 21	0 0	20 28	0 8	6 42	1 4	4 31	16 49	12 34	12 13	11 32	17 27	3 59
T 11	23 0	8 6	1 23	25 39	2 10	22 51	0 31	10 45	0 58	1 23	1 24	22 21	0 0	20 27	0 8	6 42	1 4	4 31	16 49	12 33	12 14	11 31	17 27	3 59
W12	23 5	4 21	2 22	25 40	2 12	22 34	0 47	10 59	0 58	1 22	1 24	22 20	0 0	20 27	0 8	6 42	1 4	4 31	16 49	12 33	12 15	11 29	17 28	3 59
T 13	23 10	0 23	3 15	25 39	2 13	22 17	1 3	11 12	0 58	1 20	1 23	22 19	0 0	20 26	0 8	6 42	1 4	4 31	16 48	12 34	12 17	11 28	17 29	4 0
F 14	23 14	3s41	4 0	25 37	2 14	22 0	1 18	11 25	0 57	1 18	1 23	22 18	0s 0	20 26	0 8	6 42	1 4	4 31	16 48	12 35	12 18	11 26	17 30	4 0
S 15	23 17	7 41	4 35	25 33	2 14	21 42	1 34	11 39	0 57	1 17	1 23	22 17	0 0	20 25	0 8	6 42	1 4	4 31	16 48	12 37	12 19	11 25	17 31	4 0
S 16	23 20	11 27	4 57	25 27	2 14	21 25	1 49	11 52	0 57	1 15	1 23	22 17	0 0	20 25	0 8	6 42	1 4	4 31	16 48	12 40	12 20	11 23	17 32	4 1
M17	23 23	14 45	5 4	25 20	2 13	21 7	2 4	12 5	0 56	1 13	1 22	22 16	0 0	20 25	0 8	6 42	1 4	4 31	16 47	12 44	12 21	11 22	17 33	4 1
T 18	23 25	17 22	4 54	25 12	2 12	20 50	2 19	12 18	0 56	1 11	1 22	22 15	0 0	20 24	0 8	6 42	1 4	4 31	16 47	12 47	12 22	11 20	17 34	4 1
W19	23 27	19 0	4 25	25 1	2 10	20 34	2 33	12 31	0 56	1 8	1 22	22 14	0 0	20 24	0 8	6 42	1 5	4 31	16 47	12 51	12 23	11 19	17 35	4 1
T 20	23 28	19 28	3 40	24 50	2 8	20 17	2 47	12 44	0 55	1 6	1 21	22 13	0 0	20 23	0 8	6 42	1 5	4 31	16 46	12 54	12 24	11 17	17 36	4 2
F 21	23 29	18 39	2 40	24 37	2 4	20 1	3 0	12 57	0 55	1 4	1 21	22 12	0 1	20 23	0 8	6 42	1 5	4 31	16 46	12 56	12 25	11 16	17 36	4 2
S 22	23 29	16 37	1 29	24 22	2 1	19 46	3 13	13 10	0 55	1 1	1 21	22 12	0 1	20 22	0 8	6 42	1 5	4 30	16 46	12 57	12 26	11 14	17 37	4 2
S 23	23 29	13 32	0 12	24 6	1 56	19 31	3 25	13 23	0 54	0 59	1 21	22 11	0 1	20 22	0 8	6 42	1 5	4 30	16 45	12 57	12 27	11 12	17 38	4 3
M24	23 28	9 38	1s 5	23 48	1 51	19 17	3 37	13 35	0 54	0 57	1 20	22 10	0 1	20 22	0 8	6 42	1 5	4 30	16 45	12 57	12 29	11 11	17 39	4 3
T 25	23 27	5 15	2 17	23 30	1 44	19 3	3 48	13 48	0 53	0 54	1 20	22 9	0 1	20 21	0 8	6 42	1 5	4 30	16 45	12 57	12 30	11 9	17 40	4 3
W26	23 26	0 38	3 20	23 10	1 37	18 50	3 59	14 0	0 53	0 51	1 20	22 8	0 1	20 21	0 8	6 43	1 5	4 30	16 44	12 57	12 31	11 8	17 40	4 4
T 27	23 24	3n56	4 10	22 49	1 29	18 39	4 9	14 12	0 53	0 49	1 19	22 7	0 1	20 20	0 8	6 43	1 5	4 30	16 44	12 57	12 32	11 6	17 41	4 4
F 28	23 21	8 14	4 45	22 27	1 20	18 27	4 18	14 25	0 52	0 46	1 19	22 6	0 1	20 20	0 8	6 43	1 5	4 29	16 44	12 58	12 33	11 5	17 42	4 4
S 29	23 18	12 4	5 4	22 5	1 10	18 17	4 27	14 37	0 52	0 43	1 19	22 5	0 1	20 20	0 8	6 43	1 5	4 29	16 43	13 0	12 34	11 3	17 42	4 5
S 30	23 15	15 14	5 7	21 42	0 59	18 8	4 35	14 49	0 51	0 40	1 19	22 4	0 1	20 19	0 8	6 43	1 5	4 29	16 43	13 3	12 35	11 1	17 43	4 5
M31	23s11	17n35	4s53	21s19	0s47	17s59	4n42	15s 1	0n51	0s37	1s18	22s 3	0s 1	20n19	0s 8	6n43	1n 5	4s29	16s43	13n 6	12n36	11n 0	17s44	4n 6

Julian Day Number = 2308338.5, Delta T = 79.02 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'05, Lahiri = 18°23'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

JANUARY 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 39 38	10♉ 2'08	26♊ 1	29♉ 5	15°R 1	13♏48	1♈34	19♉50	1°R 9	15°R30	29°R 6	25°R13	26♌45	2♍55	8♐39	T 1
W 2	6 43 35	11° 3'17	8♋37	29°46	14♐55	14°26	1°41	19°57	1♊ 7	15♍29	29♈ 5	25♌ 5	26°42	3° 1	8°46	W 2
T 3	6 47 32	12° 4'26	21° 0	0♒18	14°51	15° 4	1°49	20° 4	1° 5	15°29	29° 5	24°58	26°39	3° 8	8°52	T 3
F 4	6 51 28	13° 5'35	3♌12	0°41	14°D49	15°42	1°56	20°11	1° 3	15°28	29° 5	24°54	26°36	3°15	8°59	F 4
S 5	6 55 25	14° 6'43	15°12	0°53	14°50	16°20	2° 4	20°18	1° 2	15°28	29° 5	24°51	26°33	3°21	9° 5	S 5
S 6	6 59 21	15° 7'51	27° 5	0°R55	14°53	16°58	2°12	20°26	1° 0	15°27	29° 4	24°D51	26°29	3°28	9°12	S 6
M 7	7 3 18	16° 8'59	8♍53	0°45	14°59	17°35	2°20	20°33	0°59	15°27	29° 4	24°52	26°26	3°35	9°18	M 7
T 8	7 7 14	17°10'07	20°40	0°23	15° 7	18°13	2°28	20°40	0°57	15°26	29° 4	24°53	26°23	3°41	9°25	T 8
W 9	7 11 11	18°11'14	2♎30	29♉49	15°18	18°51	2°36	20°47	0°55	15°25	29° 4	24°55	26°20	3°48	9°31	W 9
T 10	7 15 7	19°12'22	14°30	29° 4	15°30	19°29	2°44	20°54	0°54	15°24	29° 4	24°R56	26°17	3°55	9°37	T 10
F 11	7 19 4	20°13'29	26°43	28° 9	15°45	20° 7	2°53	21° 1	0°53	15°24	29° 4	24°56	26°14	4° 1	9°43	F 11
S 12	7 23 1	21°14'36	9♏16	27° 5	16° 2	20°45	3° 2	21° 8	0°51	15°23	29° 4	24°55	26°10	4° 8	9°50	S 12
S 13	7 26 57	22°15'43	22°11	25°55	16°21	21°23	3°10	21°15	0°50	15°22	29°D 4	24°52	26° 7	4°15	9°56	S 13
M14	7 30 54	23°16'49	5♐33	24°40	16°42	22° 1	3°19	21°22	0°49	15°21	29° 4	24°47	26° 4	4°21	10° 2	M14
T 15	7 34 50	24°17'55	19°22	23°22	17° 4	22°39	3°28	21°29	0°47	15°20	29° 4	24°42	26° 1	4°28	10° 8	T 15
W16	7 38 47	25°19'01	3♑36	22° 5	17°29	23°17	3°38	21°37	0°46	15°19	29° 4	24°38	25°58	4°35	10°14	W16
T 17	7 42 43	26°20'06	18°12	20°50	17°55	23°55	3°47	21°44	0°45	15°18	29° 4	24°34	25°55	4°41	10°20	T 17
F 18	7 46 40	27°21'10	3♒ 2	19°39	18°23	24°32	3°57	21°51	0°44	15°17	29° 4	24°31	25°51	4°48	10°25	F 18
S 19	7 50 37	28°22'14	17°59	18°35	18°52	25°10	4° 6	21°58	0°43	15°17	29° 4	24°D30	25°48	4°54	10°31	S 19
S 20	7 54 33	29°23'16	2♓55	17°37	19°24	25°48	4°16	22° 5	0°42	15°15	29° 4	24°30	25°45	5° 1	10°37	S 20
M21	7 58 30	0♒24'18	17°42	16°48	19°56	26°26	4°26	22°12	0°41	15°14	29° 5	24°31	25°42	5° 8	10°42	M21
T 22	8 2 26	1°25'18	2♈14	16° 8	20°30	27° 4	4°36	22°19	0°40	15°13	29° 5	24°32	25°39	5°14	10°48	T 22
W23	8 6 23	2°26'17	16°28	15°37	21° 6	27°41	4°46	22°26	0°39	15°12	29° 5	24°33	25°35	5°21	10°54	W23
T 24	8 10 19	3°27'15	0♉21	15°14	21°42	28°19	4°56	22°33	0°38	15°11	29° 5	24°R34	25°32	5°28	10°59	T 24
F 25	8 14 16	4°28'12	13°55	15° 0	22°20	28°57	5° 6	22°40	0°38	15°10	29° 5	24°34	25°29	5°34	11° 4	F 25
S 26	8 18 12	5°29'07	27°10	14°D55	23° 0	29°34	5°17	22°47	0°37	15° 9	29° 6	24°33	25°26	5°41	11°10	S 26
S 27	8 22 9	6°30'01	10♊ 8	14°57	23°40	0♐12	5°28	22°54	0°36	15° 8	29° 6	24°31	25°23	5°48	11°15	S 27
M28	8 26 6	7°30'54	22°50	15° 7	24°22	0°50	5°38	23° 1	0°36	15° 6	29° 6	24°28	25°20	5°54	11°20	M28
T 29	8 30 2	8°31'45	5♋20	15°23	25° 4	1°27	5°49	23° 8	0°35	15° 5	29° 7	24°25	25°16	6° 1	11°25	T 29
W30	8 33 59	9°32'35	17°38	15°45	25°48	2° 5	6° 0	23°15	0°35	15° 4	29° 7	24°23	25°13	6° 8	11°30	W30
T 31	8 37 55	10♒33'24	29♋46	16♉14	26♐33	2♐43	6♈11	23♉22	0♊34	15♍ 3	29♈ 7	24♌21	25♌10	6♍14	11♐35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23s 6	19n 1	4s25	20s56	0s34	17s51	4n49	15s12	0n51	0s34	1s18	22s 2	0s 1	20n18	0s 8	6n44	1n 5	4s29	16s42	13n 9	12n37	10n58	17s44	4n 6	T 1
W 2	23 2	19 29	3 44	20 33	0 19	17 44	4 55	15 24	0 50	0 31	1 18	22 1	0 1	20 18	0 8	6 44	1 5	4 28	16 42	13 11	12 38	10 57	17 45	4 6	W 2
T 3	22 56	18 59	2 53	20 11	0 4	17 38	5 1	15 36	0 50	0 28	1 18	22 0	0 1	20 18	0 8	6 44	1 5	4 28	16 42	13 13	12 39	10 55	17 46	4 7	T 3
F 4	22 51	17 37	1 55	19 50	0n13	17 33	5 6	15 47	0 49	0 25	1 17	22 0	0 2	20 17	0 7	6 44	1 5	4 28	16 41	13 15	12 40	10 54	17 46	4 7	F 4
S 5	22 44	15 29	0 52	19 31	0 30	17 29	5 10	15 59	0 49	0 21	1 17	21 59	0 2	20 17	0 7	6 45	1 5	4 28	16 41	13 16	12 42	10 52	17 47	4 8	S 5
S 6	22 38	12 42	0n12	19 13	0 48	17 25	5 14	16 10	0 48	0 18	1 17	21 58	0 2	20 17	0 7	6 45	1 5	4 27	16 41	13 16	12 43	10 50	17 47	4 8	S 6
M 7	22 31	9 26	1 16	18 57	1 7	17 23	5 18	16 21	0 48	0 15	1 17	21 57	0 2	20 16	0 7	6 45	1 5	4 27	16 40	13 16	12 44	10 49	17 48	4 8	M 7
T 8	22 23	5 48	2 16	18 43	1 26	17 21	5 21	16 32	0 47	0 11	1 16	21 56	0 2	20 16	0 7	6 46	1 5	4 27	16 40	13 15	12 45	10 47	17 48	4 9	T 8
W 9	22 15	1 56	3 11	18 32	1 45	17 19	5 23	16 43	0 47	0 8	1 16	21 55	0 2	20 16	0 7	6 46	1 5	4 26	16 40	13 14	12 46	10 46	17 49	4 9	W 9
T 10	22 7	2s 4	3 59	18 23	2 3	17 18	5 25	16 54	0 46	0 4	1 16	21 54	0 2	20 16	0 7	6 46	1 5	4 26	16 39	13 14	12 47	10 44	17 49	4 10	T 10
F 11	21 58	6 2	4 36	18 17	2 21	17 18	5 27	17 4	0 46	0 1	1 16	21 53	0 2	20 15	0 7	6 46	1 6	4 26	16 39	13 14	12 48	10 42	17 50	4 10	F 11
S 12	21 48	9 51	5 2	18 13	2 37	17 19	5 28	17 15	0 45	0n 3	1 15	21 52	0 2	20 15	0 7	6 47	1 6	4 25	16 38	13 15	12 49	10 41	17 50	4 10	S 12
S 13	21 39	13 19	5 13	18 12	2 52	17 20	5 29	17 25	0 45	0 7	1 15	21 50	0 2	20 15	0 7	6 47	1 6	4 25	16 38	13 16	12 50	10 39	17 51	4 11	S 13
M14	21 29	16 14	5 8	18 12	3 5	17 22	5 29	17 36	0 44	0 11	1 15	21 49	0 2	20 15	0 7	6 48	1 6	4 25	16 38	13 17	12 51	10 38	17 51	4 11	M14
T 15	21 18	18 20	4 45	18 15	3 15	17 24	5 29	17 46	0 44	0 14	1 15	21 48	0 2	20 14	0 7	6 48	1 6	4 24	16 37	13 19	12 52	10 36	17 52	4 12	T 15
W16	21 7	19 22	4 4	18 20	3 23	17 26	5 29	17 56	0 43	0 18	1 15	21 47	0 2	20 14	0 7	6 48	1 6	4 24	16 37	13 20	12 53	10 34	17 52	4 12	W16
T 17	20 56	19 10	3 6	18 26	3 29	17 29	5 28	18 6	0 43	0 22	1 14	21 46	0 2	20 14	0 7	6 49	1 6	4 24	16 37	13 22	12 55	10 33	17 52	4 13	T 17
F 18	20 44	17 39	1 55	18 33	3 32	17 32	5 28	18 16	0 42	0 26	1 14	21 45	0 3	20 14	0 7	6 49	1 6	4 23	16 36	13 23	12 56	10 31	17 53	4 13	F 18
S 19	20 32	14 54	0 36	18 42	3 32	17 36	5 26	18 25	0 42	0 30	1 14	21 44	0 3	20 13	0 7	6 50	1 6	4 23	16 36	13 23	12 57	10 29	17 53	4 14	S 19
S 20	20 19	11 10	0s46	18 51	3 31	17 40	5 25	18 35	0 41	0 34	1 14	21 43	0 3	20 13	0 7	6 50	1 6	4 23	16 36	13 23	12 58	10 28	17 53	4 14	S 20
M21	20 6	6 47	2 5	19 0	3 27	17 44	5 23	18 44	0 41	0 38	1 13	21 42	0 3	20 13	0 7	6 50	1 6	4 22	16 35	13 23	12 59	10 26	17 54	4 15	M21
T 22	19 53	2 4	3 13	19 10	3 22	17 48	5 21	18 54	0 40	0 43	1 13	21 41	0 3	20 13	0 7	6 51	1 6	4 22	16 35	13 22	13 0	10 25	17 54	4 15	T 22
W23	19 39	2n39	4 9	19 20	3 15	17 53	5 19	19 3	0 39	0 47	1 13	21 40	0 3	20 13	0 7	6 51	1 6	4 21	16 35	13 22	13 1	10 23	17 54	4 16	W23
T 24	19 25	7 7	4 48	19 31	3 7	17 58	5 17	19 12	0 39	0 51	1 13	21 39	0 3	20 13	0 7	6 52	1 6	4 21	16 34	13 22	13 2	10 21	17 54	4 16	T 24
F 25	19 11	11 6	5 11	19 41	2 58	18 3	5 14	19 21	0 38	0 55	1 13	21 38	0 3	20 12	0 7	6 52	1 6	4 21	16 34	13 22	13 3	10 20	17 55	4 17	F 25
S 26	18 56	14 27	5 16	19 51	2 49	18 8	5 11	19 29	0 38	1 0	1 12	21 37	0 3	20 12	0 7	6 53	1 6	4 20	16 33	13 22	13 4	10 18	17 55	4 17	S 26
S 27	18 41	17 0	5 4	20 1	2 39	18 12	5 8	19 38	0 37	1 4	1 12	21 36	0 3	20 12	0 7	6 53	1 6	4 20	16 33	13 23	13 5	10 16	17 55	4 18	S 27
M28	18 26	18 40	4 38	20 11	2 28	18 18	5 5	19 46	0 36	1 9	1 12	21 34	0 3	20 12	0 7	6 54	1 6	4 19	16 33	13 24	13 6	10 15	17 55	4 18	M28
T 29	18 10	19 24	3 59	20 20	2 17	18 23	5 1	19 55	0 36	1 13	1 12	21 33	0 3	20 12	0 7	6 54	1 6	4 19	16 32	13 24	13 7	10 13	17 55	4 19	T 29
W30	17 54	19 11	3 10	20 28	2 6	18 28	4 58	20 3	0 35	1 18	1 12	21 32	0 3	20 12	0 7	6 55	1 6	4 18	16 32	13 25	13 8	10 11	17 56	4 19	W30
T 31	17s38	18n 5	2s12	20s36	1n54	18s32	4n54	20s11	0n34	1n22	1s11	21s31	0s 4	20n12	0s 7	6n55	1n 6	4s18	16s32	13n26	13n10	10n10	17s56	4n20	T 31

Julian Day Number = 2308369.5, Delta T = 78.92 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'10, Lahiri = 18°23'10Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1608
geocentric

FEBRUARY 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 41 52	11♒34'12	11♌46	16♑47	27♐18	3♐20	6♈22	23♑29	0°R34	15°R 1	29♈ 8	24°R20	25♌ 7	6♍21	11♐40	F 1
S 2	8 45 48	12°34'58	23°40	17°26	28° 5	3°58	6°33	23°36	0♊34	15♍ 0	29° 8	24°D20	25° 4	6°28	11°45	S 2
S 3	8 49 45	13°35'43	5♍29	18° 8	28°53	4°35	6°45	23°42	0°33	14°59	29° 9	24♌20	25° 1	6°34	11°49	S 3
M 4	8 53 41	14°36'27	17°17	18°55	29°41	5°13	6°56	23°49	0°33	14°57	29° 9	24°21	24°57	6°41	11°54	M 4
T 5	8 57 38	15°37'10	29° 5	19°46	0♑30	5°50	7° 7	23°56	0°33	14°56	29°10	24°22	24°54	6°47	11°59	T 5
W 6	9 1 34	16°37'51	10♎58	20°40	1°20	6°28	7°19	24° 3	0°33	14°54	29°10	24°23	24°51	6°54	12° 3	W 6
T 7	9 5 31	17°38'31	22°58	21°37	2°11	7° 5	7°31	24° 9	0°33	14°53	29°11	24°23	24°48	7° 1	12° 7	T 7
F 8	9 9 28	18°39'10	5♏11	22°36	3° 3	7°43	7°42	24°16	0°D33	14°51	29°11	24°24	24°45	7° 7	12°12	F 8
S 9	9 13 24	19°39'48	17°40	23°39	3°55	8°20	7°54	24°23	0°33	14°50	29°12	24°R24	24°41	7°14	12°16	S 9
S 10	9 17 21	20°40'25	0♐29	24°44	4°48	8°57	8° 6	24°29	0°33	14°49	29°12	24°24	24°38	7°21	12°20	S 10
M11	9 21 17	21°41'01	13°43	25°51	5°41	9°35	8°18	24°36	0°33	14°47	29°13	24°24	24°35	7°27	12°24	M11
T 12	9 25 14	22°41'36	27°23	27° 0	6°35	10°12	8°31	24°43	0°33	14°46	29°14	24°24	24°32	7°34	12°28	T 12
W13	9 29 10	23°42'09	11♑31	28°11	7°30	10°49	8°43	24°49	0°33	14°44	29°14	24°23	24°29	7°41	12°32	W13
T 14	9 33 7	24°42'41	26° 4	29°25	8°26	11°27	8°55	24°56	0°34	14°43	29°15	24°D23	24°26	7°47	12°36	T 14
F 15	9 37 3	25°43'11	10♒58	0♒39	9°22	12° 4	9° 7	25° 2	0°34	14°41	29°16	24°24	24°22	7°54	12°40	F 15
S 16	9 41 0	26°43'40	26° 6	1°56	10°18	12°41	9°20	25° 9	0°35	14°39	29°16	24°R24	24°19	8° 1	12°43	S 16
S 17	9 44 57	27°44'07	11♓18	3°14	11°15	13°18	9°32	25°15	0°35	14°38	29°17	24°23	24°16	8° 7	12°47	S 17
M18	9 48 53	28°44'32	26°25	4°33	12°12	13°55	9°45	25°21	0°36	14°36	29°18	24°23	24°13	8°14	12°50	M18
T 19	9 52 50	29°44'56	11♈18	5°54	13°10	14°32	9°58	25°28	0°36	14°35	29°19	24°23	24°10	8°21	12°54	T 19
W20	9 56 46	0♓45'17	25°51	7°16	14° 9	15°10	10°10	25°34	0°37	14°33	29°19	24°22	24° 6	8°27	12°57	W20
T 21	10 0 43	1°45'37	9♉59	8°40	15° 7	15°47	10°23	25°40	0°37	14°31	29°20	24°21	24° 3	8°34	13° 0	T 21
F 22	10 4 39	2°45'55	23°40	10° 4	16° 6	16°24	10°36	25°46	0°38	14°30	29°21	24°21	24° 0	8°40	13° 3	F 22
S 23	10 8 36	3°46'10	6♊57	11°30	17° 6	17° 1	10°49	25°52	0°39	14°28	29°22	24°D21	23°57	8°47	13° 6	S 23
S 24	10 12 32	4°46'24	19°50	12°58	18° 6	17°37	11° 2	25°58	0°40	14°27	29°23	24°21	23°54	8°54	13° 9	S 24
M25	10 16 29	5°46'35	2♋24	14°26	19° 6	18°14	11°15	26° 4	0°41	14°25	29°24	24°22	23°51	9° 0	13°12	M25
T 26	10 20 26	6°46'45	14°42	15°56	20° 7	18°51	11°28	26°10	0°42	14°23	29°24	24°23	23°47	9° 7	13°15	T 26
W27	10 24 22	7°46'52	26°47	17°26	21° 8	19°28	11°41	26°16	0°43	14°22	29°25	24°24	23°44	9°14	13°18	W27
T 28	10 28 19	8°46'58	8♌44	18°58	22°10	20° 5	11°55	26°22	0°44	14°20	29°26	24°25	23°41	9°20	13°20	T 28
F 29	10 32 15	9♓47'01	20♌36	20♒31	23♑11	20♐41	12♈ 8	26♑28	0♊45	14♍18	29♈27	24°R26	23♌38	9♍27	13♐23	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s21	16n11	1s 9	20s44	1n43	18s37	4n50	20s19	0n34	1n27	1s11	21s30	0s 4	20n12	0s 7	6n56	1n 6	4s17	16s31	13n26	13n11	10n 8	17s56	4n20
S 2	17 4	13 36	0 4	20 50	1 32	18 42	4 46	20 27	0 33	1 31	1 11	21 29	0 4	20 12	0 7	6 56	1 6	4 17	16 31	13 26	13 12	10 6	17 56	4 21
S 3	16 47	10 28	1n 2	20 55	1 21	18 47	4 42	20 34	0 32	1 36	1 11	21 28	0 4	20 12	0 7	6 57	1 6	4 16	16 31	13 26	13 13	10 5	17 56	4 21
M 4	16 29	6 56	2 4	21 0	1 10	18 51	4 38	20 42	0 32	1 41	1 11	21 27	0 4	20 12	0 7	6 58	1 6	4 16	16 30	13 26	13 14	10 3	17 56	4 22
T 5	16 11	3 8	3 1	21 4	0 59	18 55	4 34	20 49	0 31	1 45	1 10	21 26	0 4	20 12	0 7	6 58	1 6	4 16	16 30	13 26	13 15	10 1	17 56	4 23
W 6	15 53	0s48	3 51	21 6	0 48	19 0	4 29	20 56	0 30	1 50	1 10	21 25	0 4	20 12	0 7	6 59	1 6	4 15	16 30	13 25	13 16	10 0	17 56	4 23
T 7	15 35	4 44	4 32	21 8	0 38	19 3	4 25	21 3	0 29	1 55	1 10	21 23	0 4	20 12	0 7	6 59	1 6	4 15	16 29	13 25	13 17	9 58	17 56	4 24
F 8	15 16	8 33	5 0	21 8	0 27	19 7	4 20	21 10	0 29	2 0	1 10	21 22	0 4	20 12	0 7	7 0	1 7	4 14	16 29	13 25	13 18	9 56	17 56	4 24
S 9	14 57	12 4	5 16	21 8	0 17	19 11	4 15	21 17	0 28	2 4	1 10	21 21	0 4	20 12	0 7	7 0	1 7	4 14	16 29	13 25	13 19	9 55	17 56	4 25
S 10	14 38	15 8	5 16	21 6	0 8	19 14	4 11	21 23	0 27	2 9	1 10	21 20	0 4	20 12	0 7	7 1	1 7	4 13	16 28	13 25	13 20	9 53	17 56	4 25
M11	14 18	17 31	5 0	21 3	0s 2	19 16	4 6	21 30	0 26	2 14	1 9	21 19	0 4	20 12	0 7	7 2	1 7	4 13	16 28	13 25	13 21	9 51	17 56	4 26
T 12	13 59	19 1	4 27	20 59	0 11	19 19	4 1	21 36	0 26	2 19	1 9	21 18	0 4	20 12	0 7	7 2	1 7	4 12	16 28	13 25	13 22	9 50	17 56	4 27
W13	13 39	19 23	3 37	20 54	0 20	19 21	3 56	21 42	0 25	2 24	1 9	21 17	0 4	20 12	0 7	7 3	1 7	4 11	16 27	13 25	13 23	9 48	17 56	4 27
T 14	13 19	18 30	2 31	20 47	0 29	19 23	3 51	21 48	0 24	2 29	1 9	21 16	0 5	20 12	0 7	7 3	1 7	4 11	16 27	13 25	13 24	9 46	17 56	4 28
F 15	12 58	16 20	1 14	20 39	0 37	19 24	3 46	21 54	0 23	2 34	1 9	21 15	0 5	20 12	0 7	7 4	1 7	4 10	16 27	13 25	13 25	9 45	17 55	4 28
S 16	12 38	13 0	0s 9	20 30	0 45	19 26	3 40	22 0	0 22	2 39	1 9	21 14	0 5	20 12	0 7	7 5	1 7	4 10	16 26	13 25	13 27	9 43	17 55	4 29
S 17	12 17	8 46	1 33	20 20	0 53	19 26	3 35	22 5	0 21	2 44	1 8	21 13	0 5	20 12	0 7	7 5	1 7	4 9	16 26	13 25	13 28	9 41	17 55	4 30
M18	11 56	4 1	2 49	20 8	1 0	19 27	3 30	22 11	0 21	2 49	1 8	21 11	0 5	20 12	0 7	7 6	1 7	4 9	16 26	13 25	13 29	9 40	17 55	4 30
T 19	11 35	0n55	3 53	19 55	1 7	19 27	3 24	22 16	0 20	2 55	1 8	21 10	0 5	20 12	0 7	7 7	1 7	4 8	16 25	13 25	13 30	9 38	17 55	4 31
W20	11 14	5 40	4 40	19 41	1 14	19 26	3 19	22 21	0 19	3 0	1 8	21 9	0 5	20 13	0 7	7 7	1 7	4 8	16 25	13 26	13 31	9 36	17 55	4 31
T 21	10 52	9 58	5 8	19 25	1 20	19 25	3 14	22 26	0 18	3 5	1 8	21 8	0 5	20 13	0 7	7 8	1 7	4 7	16 25	13 26	13 32	9 34	17 54	4 32
F 22	10 31	13 36	5 18	19 9	1 26	19 24	3 8	22 31	0 17	3 10	1 8	21 7	0 5	20 13	0 7	7 9	1 7	4 7	16 24	13 26	13 33	9 33	17 54	4 33
S 23	10 9	16 25	5 10	18 50	1 32	19 22	3 3	22 35	0 16	3 15	1 8	21 6	0 5	20 13	0 7	7 9	1 7	4 6	16 24	13 26	13 34	9 31	17 54	4 33
S 24	9 47	18 20	4 47	18 31	1 37	19 20	2 57	22 40	0 15	3 20	1 7	21 5	0 5	20 13	0 7	7 10	1 7	4 5	16 24	13 26	13 35	9 29	17 54	4 34
M25	9 25	19 17	4 11	18 10	1 42	19 17	2 52	22 44	0 14	3 26	1 7	21 4	0 5	20 14	0 7	7 11	1 7	4 5	16 24	13 26	13 36	9 28	17 53	4 35
T 26	9 2	19 19	3 23	17 48	1 47	19 14	2 47	22 48	0 13	3 31	1 7	21 3	0 5	20 14	0 7	7 11	1 7	4 4	16 23	13 25	13 37	9 26	17 53	4 35
W27	8 40	18 26	2 28	17 24	1 51	19 10	2 41	22 52	0 12	3 36	1 7	21 2	0 6	20 14	0 7	7 12	1 7	4 4	16 23	13 25	13 38	9 24	17 53	4 36
T 28	8 18	16 44	1 26	17 0	1 55	19 6	2 36	22 56	0 11	3 41	1 7	21 1	0 6	20 14	0 7	7 12	1 7	4 3	16 23	13 24	13 39	9 22	17 52	4 36
F 29	7s55	14n19	0s21	16s33	1s59	19s 2	2n30	23s 0	0n10	3n47	1s 7	21s 0	0s 6	20n14	0s 7	7n13	1n 7	4s 3	16s22	13n24	13n40	9n21	17s52	4n37

Julian Day Number = 2308400.5, Delta T = 78.82 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'14, Lahiri = 18°23'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

MARCH 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 36 12	10♓47'02	2♍24	22♒ 5	24♑13	21♐18	12♈21	26♑34	0♊46	14°R17	29♈28	24°R26	23♌35	9♍34	13♐25	S 1
S 2	10 40 8	11°47'02	14°12	23°40	25°16	21°55	12°35	26°40	0°47	14♍15	29°29	24♌25	23°32	9°40	13°27	S 2
M 3	10 44 5	12°46'59	26° 2	25°17	26°18	22°31	12°48	26°45	0°48	14°13	29°30	24°23	23°28	9°47	13°29	M 3
T 4	10 48 1	13°46'54	7♎55	26°54	27°21	23° 8	13° 2	26°51	0°50	14°12	29°31	24°20	23°25	9°54	13°31	T 4
W 5	10 51 58	14°46'48	19°54	28°33	28°25	23°44	13°15	26°56	0°51	14°10	29°32	24°17	23°22	10° 0	13°33	W 5
T 6	10 55 55	15°46'40	2♏ 0	0♓13	29°28	24°21	13°29	27° 2	0°52	14° 8	29°33	24°13	23°19	10° 7	13°35	T 6
F 7	10 59 51	16°46'30	14°18	1°54	0♒32	24°57	13°43	27° 7	0°54	14° 7	29°34	24°10	23°16	10°14	13°37	F 7
S 8	11 3 48	17°46'19	26°49	3°36	1°36	25°34	13°56	27°13	0°55	14° 5	29°35	24° 7	23°12	10°20	13°39	S 8
S 9	11 7 44	18°46'06	9♐36	5°19	2°40	26°10	14°10	27°18	0°57	14° 3	29°36	24° 6	23° 9	10°27	13°40	S 9
M10	11 11 41	19°45'51	22°44	7° 4	3°45	26°46	14°24	27°23	0°58	14° 2	29°37	24°D 6	23° 6	10°34	13°42	M10
T 11	11 15 37	20°45'34	6♑13	8°49	4°50	27°22	14°38	27°28	1° 0	14° 0	29°38	24° 6	23° 3	10°40	13°43	T 11
W12	11 19 34	21°45'16	20° 8	10°36	5°55	27°59	14°51	27°33	1° 2	13°58	29°40	24° 8	23° 0	10°47	13°44	W12
T 13	11 23 30	22°44'56	4♒27	12°24	7° 0	28°35	15° 5	27°38	1° 3	13°57	29°41	24° 9	22°57	10°53	13°45	T 13
F 14	11 27 27	23°44'34	19° 8	14°14	8° 5	29°11	15°19	27°43	1° 5	13°55	29°42	24°R10	22°53	11° 0	13°47	F 14
S 15	11 31 24	24°44'10	4♓ 8	16° 5	9°11	29°47	15°33	27°48	1° 7	13°53	29°43	24°10	22°50	11° 7	13°48	S 15
S 16	11 35 20	25°43'45	19°19	17°57	10°17	0♑23	15°47	27°53	1° 9	13°52	29°44	24° 8	22°47	11°13	13°48	S 16
M17	11 39 17	26°43'17	4♈30	19°50	11°22	0°58	16° 1	27°58	1°11	13°50	29°45	24° 5	22°44	11°20	13°49	M17
T 18	11 43 13	27°42'47	19°33	21°44	12°29	1°34	16°15	28° 3	1°13	13°48	29°47	24° 0	22°41	11°27	13°50	T 18
W19	11 47 10	28°42'15	4♉19	23°40	13°35	2°10	16°30	28° 7	1°15	13°47	29°48	23°55	22°37	11°33	13°50	W19
T 20	11 51 6	29°41'41	18°39	25°37	14°41	2°45	16°44	28°12	1°17	13°45	29°49	23°50	22°34	11°40	13°51	T 20
F 21	11 55 3	0♈41'04	2♊32	27°35	15°48	3°21	16°58	28°16	1°19	13°44	29°50	23°46	22°31	11°47	13°51	F 21
S 22	11 58 59	1°40'26	15°56	29°34	16°55	3°56	17°12	28°21	1°21	13°42	29°51	23°43	22°28	11°53	13°52	S 22
S 23	12 2 56	2°39'45	28°53	1♈34	18° 2	4°32	17°26	28°25	1°23	13°41	29°53	23°D42	22°25	12° 0	13°52	S 23
M24	12 6 52	3°39'01	11♋26	3°36	19° 9	5° 7	17°40	28°29	1°25	13°39	29°54	23°42	22°22	12° 7	13°R52	M24
T 25	12 10 49	4°38'15	23°41	5°38	20°16	5°42	17°55	28°34	1°28	13°37	29°55	23°43	22°18	12°13	13°52	T 25
W26	12 14 46	5°37'27	5♌42	7°41	21°23	6°18	18° 9	28°38	1°30	13°36	29°56	23°45	22°15	12°20	13°52	W26
T 27	12 18 42	6°36'37	17°34	9°44	22°31	6°53	18°23	28°42	1°32	13°34	29°58	23°46	22°12	12°27	13°51	T 27
F 28	12 22 39	7°35'44	29°22	11°48	23°38	7°28	18°38	28°46	1°35	13°33	29°59	23°R46	22° 9	12°33	13°51	F 28
S 29	12 26 35	8°34'49	11♍ 8	13°52	24°46	8° 3	18°52	28°50	1°37	13°31	0♉ 0	23°44	22° 6	12°40	13°51	S 29
S 30	12 30 32	9°33'52	22°58	15°56	25°54	8°38	19° 6	28°53	1°39	13°30	0° 2	23°40	22° 3	12°47	13°50	S 30
M31	12 34 28	10♈32'53	4♎52	18♈ 0	27♒ 2	9♑12	19♈21	28♑57	1♊42	13♍29	0♉ 3	23♌34	21♌59	12♍53	13♐49	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s32	11n19	0n44	16s 6	2s 2	18s56	2n25	23s 3	0n 9	3n52	1s 7	20s59	0s 6	20n15	0s 7	7n14	1n 7	4s 2	16s22	13n24	13n41	9n19	17s52	4n38
S 2	7 9	7 53	1 47	15 37	2 5	18 51	2 19	23 6	0 8	3 57	1 7	20 58	0 6	20 15	0 7	7 14	1 7	4 1	16 22	13 25	13 42	9 17	17 51	4 38
M 3	6 46	4 7	2 46	15 7	2 7	18 45	2 14	23 10	0 7	4 3	1 6	20 57	0 6	20 15	0 7	7 15	1 7	4 1	16 22	13 25	13 43	9 15	17 51	4 39
T 4	6 23	0 11	3 38	14 35	2 9	18 38	2 8	23 13	0 6	4 8	1 6	20 56	0 6	20 15	0 7	7 16	1 7	4 0	16 21	13 26	13 44	9 14	17 51	4 40
W 5	6 0	3s46	4 20	14 2	2 10	18 31	2 3	23 16	0 5	4 14	1 6	20 55	0 6	20 16	0 7	7 16	1 7	4 0	16 21	13 27	13 45	9 12	17 50	4 40
T 6	5 37	7 38	4 52	13 28	2 12	18 24	1 57	23 18	0 4	4 19	1 6	20 54	0 6	20 16	0 7	7 17	1 7	3 59	16 21	13 29	13 47	9 10	17 50	4 41
F 7	5 14	11 13	5 10	12 53	2 12	18 15	1 52	23 21	0 3	4 24	1 6	20 53	0 6	20 16	0 7	7 18	1 7	3 59	16 21	13 30	13 48	9 9	17 49	4 42
S 8	4 51	14 23	5 15	12 16	2 12	18 7	1 46	23 23	0 2	4 30	1 6	20 52	0 6	20 17	0 7	7 18	1 7	3 58	16 20	13 30	13 49	9 7	17 49	4 42
S 9	4 27	16 56	5 4	11 38	2 12	17 58	1 41	23 26	0 0	4 35	1 6	20 51	0 6	20 17	0 7	7 19	1 7	3 57	16 20	13 31	13 50	9 5	17 48	4 43
M10	4 4	18 41	4 37	10 58	2 12	17 48	1 36	23 28	0s 1	4 41	1 6	20 50	0 7	20 17	0 6	7 20	1 7	3 57	16 20	13 31	13 51	9 3	17 48	4 44
T 11	3 40	19 27	3 54	10 18	2 10	17 38	1 30	23 30	0 2	4 46	1 6	20 49	0 7	20 18	0 6	7 20	1 7	3 56	16 20	13 31	13 52	9 2	17 47	4 44
W12	3 17	19 4	2 56	9 35	2 9	17 28	1 25	23 32	0 3	4 52	1 6	20 48	0 7	20 18	0 6	7 21	1 7	3 56	16 19	13 30	13 53	9 0	17 47	4 45
T 13	2 53	17 28	1 46	8 52	2 7	17 16	1 20	23 33	0 4	4 57	1 5	20 47	0 7	20 18	0 6	7 22	1 7	3 55	16 19	13 30	13 54	8 58	17 46	4 46
F 14	2 29	14 41	0 28	8 8	2 4	17 5	1 15	23 35	0 6	5 2	1 5	20 46	0 7	20 19	0 6	7 22	1 7	3 55	16 19	13 30	13 55	8 56	17 46	4 46
S 15	2 6	10 51	0s54	7 22	2 1	16 53	1 9	23 36	0 7	5 8	1 5	20 45	0 7	20 19	0 6	7 23	1 7	3 54	16 19	13 30	13 56	8 54	17 45	4 47
S 16	1 42	6 17	2 14	6 35	1 57	16 40	1 4	23 37	0 8	5 13	1 5	20 45	0 7	20 20	0 6	7 23	1 7	3 53	16 19	13 30	13 57	8 53	17 45	4 48
M17	1 18	1 19	3 23	5 46	1 53	16 27	0 59	23 39	0 9	5 19	1 5	20 44	0 7	20 20	0 6	7 24	1 7	3 53	16 18	13 31	13 58	8 51	17 44	4 48
T 18	0 55	3n41	4 18	4 57	1 49	16 14	0 54	23 40	0 11	5 24	1 5	20 43	0 7	20 20	0 6	7 25	1 7	3 52	16 18	13 33	13 59	8 49	17 43	4 49
W19	0 31	8 22	4 54	4 6	1 44	16 0	0 49	23 40	0 12	5 30	1 5	20 42	0 7	20 21	0 6	7 25	1 7	3 52	16 18	13 35	14 0	8 47	17 43	4 50
T 20	0 7	12 26	5 11	3 15	1 38	15 45	0 44	23 41	0 13	5 35	1 5	20 41	0 7	20 21	0 6	7 26	1 7	3 51	16 18	13 36	14 1	8 46	17 42	4 50
F 21	0n16	15 40	5 8	2 22	1 32	15 30	0 39	23 42	0 15	5 41	1 5	20 40	0 7	20 22	0 6	7 27	1 7	3 50	16 18	13 38	14 2	8 44	17 42	4 51
S 22	0 40	17 57	4 49	1 28	1 25	15 15	0 35	23 42	0 16	5 46	1 5	20 39	0 8	20 22	0 6	7 27	1 7	3 50	16 17	13 39	14 3	8 42	17 41	4 52
S 23	1 4	19 14	4 15	0 34	1 18	14 59	0 30	23 42	0 18	5 52	1 5	20 39	0 8	20 23	0 6	7 28	1 7	3 49	16 17	13 39	14 4	8 40	17 40	4 52
M24	1 27	19 30	3 30	0n22	1 10	14 43	0 25	23 42	0 19	5 57	1 5	20 38	0 8	20 23	0 6	7 28	1 7	3 49	16 17	13 39	14 5	8 39	17 40	4 53
T 25	1 51	18 50	2 36	1 18	1 1	14 26	0 20	23 42	0 20	6 3	1 4	20 37	0 8	20 24	0 6	7 29	1 7	3 48	16 17	13 39	14 6	8 37	17 39	4 54
W26	2 14	17 19	1 37	2 15	0 53	14 9	0 16	23 42	0 22	6 8	1 4	20 36	0 8	20 24	0 6	7 30	1 7	3 48	16 17	13 38	14 7	8 35	17 38	4 54
T 27	2 38	15 4	0 34	3 12	0 43	13 52	0 11	23 42	0 23	6 14	1 4	20 36	0 8	20 25	0 6	7 30	1 7	3 47	16 17	13 38	14 8	8 33	17 38	4 55
F 28	3 1	12 12	0n30	4 10	0 34	13 34	0 7	23 42	0 25	6 19	1 4	20 35	0 8	20 25	0 6	7 31	1 7	3 47	16 17	13 38	14 9	8 31	17 37	4 56
S 29	3 25	8 50	1 33	5 7	0 24	13 15	0 2	23 41	0 26	6 25	1 4	20 34	0 8	20 26	0 6	7 31	1 7	3 46	16 16	13 38	14 10	8 30	17 36	4 56
S 30	3 48	5 7	2 31	6 5	0 13	12 57	0s 2	23 40	0 28	6 30	1 4	20 34	0 8	20 26	0 6	7 32	1 7	3 45	16 16	13 39	14 11	8 28	17 36	4 57
M31	4n11	1n11	3n24	7n 2	0s 2	12s37	0s 6	23s40	0s30	6n36	1s 4	20s33	0s 8	20n27	0s 6	7n32	1n 7	3s45	16s16	13n41	14n12	8n26	17s35	4n58

Julian Day Number = 2308429.5, Delta T = 78.73 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'18, Lahiri = 18°23'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

APRIL 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 38 25	11♈31'52	16♎53	20♈ 3	28♒10	9♑47	19♈35	29♑ 1	1♊44	13°R27	0♉ 4	23°R26	21♌56	13♍ 0	13°R49	T 1
W 2	12 42 21	12°30'48	29° 2	22° 6	29°18	10°22	19°49	29° 4	1°47	13♍26	0° 5	23♌17	21°53	13° 7	13♐48	W 2
T 3	12 46 18	13°29'43	11♏21	24° 7	0♓26	10°56	20° 4	29° 8	1°49	13°24	0° 7	23° 8	21°50	13°13	13°47	T 3
F 4	12 50 15	14°28'36	23°51	26° 6	1°35	11°30	20°18	29°11	1°52	13°23	0° 8	22°59	21°47	13°20	13°46	F 4
S 5	12 54 11	15°27'27	6♐32	28° 4	2°43	12° 5	20°32	29°14	1°55	13°21	0° 9	22°52	21°43	13°26	13°45	S 5
S 6	12 58 8	16°26'16	19°27	29°59	3°52	12°39	20°47	29°18	1°57	13°20	0°11	22°46	21°40	13°33	13°44	S 6
M 7	13 2 4	17°25'04	2♑36	1♉52	5° 1	13°13	21° 1	29°21	2° 0	13°19	0°12	22°43	21°37	13°40	13°42	M 7
T 8	13 6 1	18°23'49	16° 2	3°42	6°10	13°47	21°16	29°24	2° 3	13°18	0°13	22°D42	21°34	13°46	13°41	T 8
W 9	13 9 57	19°22'34	29°47	5°28	7°19	14°21	21°30	29°27	2° 6	13°16	0°15	22°42	21°31	13°53	13°40	W 9
T 10	13 13 54	20°21'16	13♒51	7°11	8°28	14°55	21°44	29°30	2° 8	13°15	0°16	22°43	21°28	14° 0	13°38	T 10
F 11	13 17 50	21°19'57	28°15	8°50	9°37	15°28	21°59	29°32	2°11	13°14	0°18	22°R43	21°24	14° 6	13°36	F 11
S 12	13 21 47	22°18'36	12♓56	10°25	10°46	16° 2	22°13	29°35	2°14	13°12	0°19	22°41	21°21	14°13	13°35	S 12
S 13	13 25 44	23°17'13	27°49	11°55	11°55	16°35	22°28	29°38	2°17	13°11	0°20	22°38	21°18	14°20	13°33	S 13
M14	13 29 40	24°15'48	12♈48	13°21	13° 5	17° 9	22°42	29°40	2°20	13°10	0°22	22°31	21°15	14°26	13°31	M14
T 15	13 33 37	25°14'22	27°43	14°43	14°14	17°42	22°57	29°43	2°23	13° 9	0°23	22°22	21°12	14°33	13°29	T 15
W16	13 37 33	26°12'53	12♉25	15°59	15°24	18°15	23°11	29°45	2°26	13° 8	0°24	22°13	21° 9	14°40	13°27	W16
T 17	13 41 30	27°11'23	26°47	17°11	16°33	18°47	23°25	29°47	2°29	13° 7	0°26	22° 3	21° 5	14°46	13°25	T 17
F 18	13 45 26	28° 9'51	10♊44	18°18	17°43	19°20	23°40	29°49	2°32	13° 6	0°27	21°54	21° 2	14°53	13°22	F 18
S 19	13 49 23	29° 8'16	24°13	19°20	18°53	19°53	23°54	29°51	2°35	13° 5	0°28	21°47	20°59	15° 0	13°20	S 19
S 20	13 53 19	0♉ 6'40	7♋14	20°16	20° 2	20°25	24° 9	29°53	2°38	13° 4	0°30	21°42	20°56	15° 6	13°18	S 20
M21	13 57 16	1° 5'01	19°51	21° 8	21°12	20°57	24°23	29°55	2°41	13° 3	0°31	21°40	20°53	15°13	13°15	M21
T 22	14 1 13	2° 3'20	2♌ 8	21°53	22°22	21°29	24°37	29°57	2°44	13° 2	0°33	21°D39	20°49	15°20	13°13	T 22
W23	14 5 9	3° 1'38	14° 9	22°34	23°32	22° 1	24°52	29°58	2°48	13° 1	0°34	21°40	20°46	15°26	13°10	W23
T 24	14 9 6	3°59'53	26° 1	23° 9	24°42	22°33	25° 6	29°59	2°51	13° 0	0°35	21°R40	20°43	15°33	13° 7	T 24
F 25	14 13 2	4°58'06	7♍49	23°39	25°52	23° 5	25°20	0♒ 1	2°54	12°59	0°37	21°39	20°40	15°40	13° 4	F 25
S 26	14 16 59	5°56'17	19°37	24° 3	27° 2	23°36	25°35	0° 3	2°57	12°58	0°38	21°35	20°37	15°46	13° 1	S 26
S 27	14 20 55	6°54'26	1♎29	24°21	28°13	24° 8	25°49	0° 4	3° 0	12°57	0°39	21°29	20°34	15°53	12°59	S 27
M28	14 24 52	7°52'33	13°30	24°35	29°23	24°39	26° 3	0° 5	3° 4	12°56	0°41	21°21	20°30	16° 0	12°55	M28
T 29	14 28 48	8°50'38	25°41	24°42	0♈33	25°10	26°17	0° 6	3° 7	12°55	0°42	21°10	20°27	16° 6	12°52	T 29
W30	14 32 45	9♉48'42	8♏ 3	24°R45	1♈43	25♑40	26♈31	0♒ 7	3♊10	12♍55	0♉44	20♌57	20♌24	16♍13	12♐49	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n34	2s50	4n 7	7n59	0n 9	12s18	0s10	23s39	0s31	6n41	1s 4	20s32	0s 8	20n27	0s 6	7n33	1n 7	3s44	16s16	13n44	14n13	8n24	17s34	4n58
W 2	4 57	6 47	4 40	8 56	0 20	11 58	0 15	23 38	0 33	6 47	1 4	20 32	0 9	20 28	0 6	7 33	1 7	3 44	16 16	13 47	14 15	8 22	17 33	4 59
T 3	5 20	10 30	5 0	9 51	0 31	11 38	0 19	23 37	0 34	6 52	1 4	20 31	0 9	20 28	0 6	7 34	1 7	3 43	16 16	13 50	14 16	8 21	17 33	4 59
F 4	5 43	13 49	5 7	10 46	0 43	11 17	0 23	23 35	0 36	6 58	1 4	20 30	0 9	20 29	0 6	7 35	1 7	3 43	16 16	13 53	14 17	8 19	17 32	5 0
S 5	6 6	16 33	4 58	11 39	0 54	10 56	0 26	23 34	0 38	7 3	1 4	20 30	0 9	20 29	0 6	7 35	1 7	3 42	16 16	13 55	14 18	8 17	17 31	5 1
S 6	6 29	18 30	4 34	12 30	1 5	10 35	0 30	23 32	0 39	7 9	1 4	20 29	0 9	20 30	0 6	7 36	1 7	3 42	16 15	13 57	14 19	8 15	17 30	5 1
M 7	6 51	19 32	3 56	13 20	1 16	10 13	0 34	23 31	0 41	7 14	1 4	20 29	0 9	20 30	0 6	7 36	1 7	3 41	16 15	13 58	14 20	8 13	17 30	5 2
T 8	7 14	19 29	3 4	14 8	1 27	9 51	0 38	23 29	0 43	7 20	1 4	20 28	0 9	20 31	0 6	7 37	1 7	3 41	16 15	13 59	14 21	8 12	17 29	5 3
W 9	7 36	18 17	2 0	14 54	1 37	9 29	0 41	23 27	0 45	7 25	1 4	20 28	0 9	20 31	0 6	7 37	1 7	3 40	16 15	13 59	14 22	8 10	17 28	5 3
T 10	7 58	15 57	0 47	15 37	1 47	9 6	0 45	23 25	0 47	7 30	1 4	20 27	0 9	20 32	0 6	7 38	1 7	3 39	16 15	13 58	14 23	8 8	17 27	5 4
F 11	8 20	12 34	0s30	16 19	1 57	8 44	0 48	23 23	0 48	7 36	1 4	20 27	0 9	20 33	0 6	7 38	1 7	3 39	16 15	13 58	14 24	8 6	17 26	5 4
S 12	8 42	8 21	1 46	16 57	2 5	8 20	0 52	23 21	0 50	7 41	1 4	20 26	0 9	20 33	0 6	7 38	1 7	3 38	16 15	13 59	14 25	8 4	17 26	5 5
S 13	9 4	3 34	2 56	17 34	2 14	7 57	0 55	23 19	0 52	7 47	1 4	20 26	0 10	20 34	0 6	7 39	1 7	3 38	16 15	14 0	14 26	8 2	17 25	5 6
M14	9 26	1n28	3 54	18 7	2 21	7 33	0 58	23 17	0 54	7 52	1 4	20 25	0 10	20 34	0 6	7 39	1 7	3 37	16 15	14 2	14 27	8 1	17 24	5 6
T 15	9 47	6 23	4 36	18 38	2 28	7 9	1 1	23 14	0 56	7 57	1 3	20 25	0 10	20 35	0 6	7 40	1 7	3 37	16 15	14 5	14 28	7 59	17 23	5 7
W16	10 8	10 50	4 59	19 6	2 33	6 45	1 4	23 12	0 58	8 3	1 3	20 24	0 10	20 36	0 6	7 40	1 7	3 36	16 15	14 8	14 29	7 57	17 22	5 8
T 17	10 30	14 34	5 3	19 32	2 38	6 21	1 7	23 9	1 0	8 8	1 3	20 24	0 10	20 36	0 6	7 41	1 7	3 36	16 15	14 11	14 30	7 55	17 22	5 8
F 18	10 51	17 21	4 48	19 55	2 42	5 56	1 10	23 7	1 2	8 13	1 3	20 24	0 10	20 37	0 6	7 41	1 7	3 35	16 15	14 14	14 31	7 53	17 21	5 9
S 19	11 11	19 5	4 17	20 15	2 45	5 31	1 13	23 4	1 4	8 19	1 3	20 23	0 10	20 37	0 6	7 41	1 7	3 35	16 15	14 17	14 32	7 51	17 20	5 9
S 20	11 32	19 44	3 34	20 32	2 47	5 6	1 15	23 1	1 6	8 24	1 3	20 23	0 10	20 38	0 6	7 42	1 7	3 34	16 15	14 18	14 33	7 50	17 19	5 10
M21	11 52	19 22	2 41	20 47	2 48	4 41	1 18	22 58	1 8	8 29	1 3	20 23	0 10	20 39	0 6	7 42	1 7	3 34	16 15	14 19	14 34	7 48	17 18	5 10
T 22	12 13	18 4	1 42	20 59	2 48	4 16	1 20	22 56	1 10	8 35	1 3	20 22	0 10	20 39	0 6	7 42	1 7	3 34	16 15	14 19	14 35	7 46	17 17	5 11
W23	12 33	15 59	0 40	21 8	2 47	3 50	1 23	22 53	1 13	8 40	1 3	20 22	0 11	20 40	0 6	7 43	1 7	3 33	16 15	14 19	14 36	7 44	17 16	5 11
T 24	12 53	13 14	0n23	21 15	2 45	3 24	1 25	22 50	1 15	8 45	1 3	20 22	0 11	20 40	0 6	7 43	1 7	3 33	16 15	14 19	14 37	7 42	17 16	5 12
F 25	13 12	9 58	1 25	21 19	2 41	2 59	1 27	22 46	1 17	8 50	1 3	20 22	0 11	20 41	0 6	7 43	1 7	3 32	16 15	14 19	14 38	7 40	17 15	5 13
S 26	13 32	6 19	2 23	21 21	2 36	2 33	1 29	22 43	1 19	8 55	1 3	20 21	0 11	20 42	0 6	7 44	1 7	3 32	16 15	14 20	14 39	7 38	17 14	5 13
S 27	13 51	2 23	3 15	21 20	2 30	2 6	1 31	22 40	1 21	9 1	1 3	20 21	0 11	20 42	0 6	7 44	1 7	3 31	16 15	14 22	14 40	7 37	17 13	5 14
M28	14 10	1s40	3 58	21 16	2 23	1 40	1 33	22 37	1 24	9 6	1 3	20 21	0 11	20 43	0 6	7 44	1 7	3 31	16 15	14 25	14 41	7 35	17 12	5 14
T 29	14 29	5 43	4 32	21 10	2 15	1 14	1 35	22 33	1 26	9 11	1 3	20 21	0 11	20 44	0 6	7 45	1 7	3 30	16 15	14 28	14 42	7 33	17 11	5 15
W30	14n47	9s36	4n53	21n 1	2n 5	0s47	1s37	22s30	1s29	9n16	1s 3	20s21	0s11	20n44	0s 6	7n45	1n 7	3s30	16s15	14n32	14n43	7n31	17s10	5n15

Julian Day Number = 2308460.5, Delta T = 78.63 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'22, Lahiri = 18°23'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

MAY 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 41	10♉46'44	20♏38	24°R42	2♈54	26♑11	26♈46	0♒ 8	3♊14	12°R54	0♉45	20°R44	20♌21	16♍20	12°R46	T 1
F 2	14 40 38	11°44'44	3♐26	24♉35	4° 4	26°41	27° 0	0° 9	3°17	12♍53	0°46	20♌32	20°18	16°26	12♐43	F 2
S 3	14 44 35	12°42'43	16°25	24°23	5°15	27°11	27°14	0°10	3°20	12°53	0°48	20°21	20°14	16°33	12°39	S 3
S 4	14 48 31	13°40'41	29°36	24° 6	6°25	27°41	27°28	0°10	3°24	12°52	0°49	20°13	20°11	16°40	12°36	S 4
M 5	14 52 28	14°38'37	12♑58	23°46	7°36	28°11	27°42	0°11	3°27	12°51	0°50	20° 8	20° 8	16°46	12°33	M 5
T 6	14 56 24	15°36'31	26°31	23°21	8°47	28°41	27°56	0°11	3°30	12°51	0°52	20° 5	20° 5	16°53	12°29	T 6
W 7	15 0 21	16°34'25	10♒17	22°54	9°57	29°10	28°10	0°12	3°34	12°50	0°53	20° 4	20° 2	17° 0	12°26	W 7
T 8	15 4 17	17°32'17	24°15	22°24	11° 8	29°39	28°24	0°12	3°37	12°50	0°54	20° 4	19°59	17° 6	12°22	T 8
F 9	15 8 14	18°30'08	8♓25	21°51	12°19	0♒ 8	28°38	0°12	3°41	12°49	0°56	20° 3	19°55	17°13	12°18	F 9
S 10	15 12 10	19°27'58	22°48	21°18	13°30	0°36	28°52	0°R12	3°44	12°49	0°57	20° 1	19°52	17°20	12°15	S 10
S 11	15 16 7	20°25'47	7♈19	20°43	14°41	1° 5	29° 6	0°12	3°48	12°48	0°58	19°56	19°49	17°26	12°11	S 11
M12	15 20 4	21°23'34	21°54	20° 8	15°52	1°33	29°20	0°12	3°51	12°48	1° 0	19°49	19°46	17°33	12° 7	M12
T 13	15 24 0	22°21'20	6♉27	19°33	17° 3	2° 0	29°34	0°11	3°54	12°48	1° 1	19°39	19°43	17°40	12° 3	T 13
W14	15 27 57	23°19'05	20°52	18°59	18°14	2°28	29°47	0°11	3°58	12°47	1° 2	19°27	19°40	17°46	11°59	W14
T 15	15 31 53	24°16'49	5♊ 0	18°26	19°25	2°55	0♉ 1	0°10	4° 1	12°47	1° 3	19°16	19°36	17°53	11°55	T 15
F 16	15 35 50	25°14'31	18°49	17°56	20°36	3°22	0°15	0°10	4° 5	12°47	1° 5	19° 5	19°33	17°59	11°51	F 16
S 17	15 39 46	26°12'12	2♋13	17°28	21°47	3°48	0°29	0° 9	4° 8	12°46	1° 6	18°56	19°30	18° 6	11°47	S 17
S 18	15 43 43	27° 9'51	15°13	17° 3	22°58	4°15	0°42	0° 8	4°12	12°46	1° 7	18°50	19°27	18°13	11°43	S 18
M19	15 47 39	28° 7'29	27°51	16°41	24° 9	4°41	0°56	0° 8	4°15	12°46	1° 9	18°46	19°24	18°19	11°39	M19
T 20	15 51 36	29° 5'06	10♌ 9	16°23	25°21	5° 6	1° 9	0° 7	4°19	12°46	1°10	18°45	19°20	18°26	11°35	T 20
W21	15 55 33	0♊ 2'41	22°12	16° 8	26°32	5°32	1°23	0° 6	4°22	12°46	1°11	18°D45	19°17	18°33	11°31	W21
T 22	15 59 29	1° 0'14	4♍ 5	15°58	27°43	5°57	1°36	0° 4	4°26	12°46	1°12	18°R45	19°14	18°39	11°27	T 22
F 23	16 3 26	1°57'46	15°54	15°52	28°55	6°21	1°50	0° 3	4°30	12°46	1°13	18°44	19°11	18°46	11°23	F 23
S 24	16 7 22	2°55'17	27°45	15°D51	0♉ 6	6°46	2° 3	0° 2	4°33	12°D46	1°15	18°42	19° 8	18°53	11°19	S 24
S 25	16 11 19	3°52'46	9♎41	15°53	1°17	7°10	2°16	0° 0	4°37	12°46	1°16	18°37	19° 5	18°59	11°15	S 25
M26	16 15 15	4°50'14	21°47	16° 1	2°29	7°33	2°29	29♑59	4°40	12°46	1°17	18°29	19° 1	19° 6	11°10	M26
T 27	16 19 12	5°47'41	4♏ 7	16°13	3°40	7°56	2°43	29°57	4°44	12°46	1°18	18°20	18°58	19°13	11° 6	T 27
W28	16 23 8	6°45'07	16°41	16°29	4°52	8°19	2°56	29°56	4°47	12°46	1°19	18° 9	18°55	19°19	11° 2	W28
T 29	16 27 5	7°42'32	29°33	16°50	6° 3	8°42	3° 9	29°54	4°51	12°46	1°21	17°57	18°52	19°26	10°58	T 29
F 30	16 31 2	8°39'55	12♐39	17°15	7°15	9° 4	3°22	29°52	4°54	12°46	1°22	17°45	18°49	19°33	10°53	F 30
S 31	16 34 58	9♊37'18	26♐ 0	17♉44	8♉26	9♒25	3♉35	29♑50	4♊58	12♍46	1♉23	17♌36	18♌46	19♍39	10♐49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15n 5	13s 7	5n 1	20n50	1n55	0s21	1s38	22s27	1s31	9n21	1s 3	20s21	0s11	20n45	0s 6	7n45	1n 7	3s30	16s15	14n37	14n44	7n29	17s 9	5n16	T 1
F 2	15 23	16 5	4 53	20 37	1 43	0n 6	1 40	22 23	1 33	9 26	1 3	20 21	0 11	20 46	0 6	7 45	1 6	3 29	16 15	14 41	14 45	7 27	17 8	5 16	F 2
S 3	15 41	18 18	4 31	20 22	1 30	0 32	1 41	22 20	1 36	9 31	1 3	20 21	0 12	20 46	0 6	7 46	1 6	3 29	16 15	14 44	14 46	7 25	17 8	5 17	S 3
S 4	15 59	19 36	3 53	20 4	1 16	0 59	1 43	22 16	1 38	9 36	1 3	20 21	0 12	20 47	0 6	7 46	1 6	3 28	16 15	14 47	14 47	7 24	17 7	5 17	S 4
M 5	16 16	19 49	3 3	19 45	1 2	1 26	1 44	22 13	1 41	9 41	1 3	20 21	0 12	20 48	0 6	7 46	1 6	3 28	16 15	14 48	14 48	7 22	17 6	5 18	M 5
T 6	16 33	18 55	2 1	19 24	0 46	1 53	1 45	22 9	1 44	9 46	1 3	20 21	0 12	20 48	0 6	7 46	1 6	3 28	16 15	14 49	14 49	7 20	17 5	5 18	T 6
W 7	16 50	16 52	0 52	19 1	0 30	2 20	1 46	22 6	1 46	9 51	1 3	20 21	0 12	20 49	0 6	7 47	1 6	3 27	16 15	14 49	14 50	7 18	17 4	5 18	W 7
T 8	17 6	13 49	0s22	18 37	0 13	2 46	1 47	22 2	1 49	9 56	1 3	20 21	0 12	20 50	0 6	7 47	1 6	3 27	16 15	14 49	14 51	7 16	17 3	5 19	T 8
F 9	17 22	9 54	1 36	18 12	0s 4	3 13	1 48	21 59	1 52	10 1	1 3	20 21	0 12	20 50	0 6	7 47	1 6	3 27	16 15	14 50	14 52	7 14	17 2	5 19	F 9
S 10	17 38	5 22	2 44	17 46	0 22	3 40	1 49	21 55	1 54	10 6	1 3	20 21	0 12	20 51	0 6	7 47	1 6	3 26	16 15	14 50	14 53	7 12	17 1	5 20	S 10
S 11	17 54	0 30	3 42	17 20	0 39	4 7	1 50	21 52	1 57	10 11	1 3	20 21	0 12	20 51	0 6	7 47	1 6	3 26	16 15	14 52	14 54	7 10	17 1	5 20	S 11
M12	18 9	4n26	4 26	16 54	0 57	4 33	1 50	21 48	2 0	10 16	1 4	20 21	0 12	20 52	0 6	7 47	1 6	3 25	16 15	14 54	14 55	7 9	17 0	5 20	M12
T 13	18 24	9 5	4 53	16 28	1 14	5 0	1 51	21 45	2 3	10 21	1 4	20 21	0 13	20 53	0 6	7 47	1 6	3 25	16 16	14 57	14 56	7 7	16 59	5 21	T 13
W14	18 38	13 10	5 0	16 3	1 31	5 27	1 51	21 41	2 6	10 26	1 4	20 22	0 13	20 53	0 6	7 48	1 6	3 25	16 16	15 1	14 57	7 5	16 58	5 21	W14
T 15	18 53	16 26	4 50	15 38	1 47	5 53	1 52	21 38	2 9	10 31	1 4	20 22	0 13	20 54	0 6	7 48	1 6	3 24	16 16	15 5	14 58	7 3	16 57	5 22	T 15
F 16	19 7	18 40	4 22	15 15	2 2	6 20	1 52	21 34	2 11	10 35	1 4	20 22	0 13	20 55	0 6	7 48	1 6	3 24	16 16	15 8	14 59	7 1	16 56	5 22	F 16
S 17	19 21	19 48	3 40	14 53	2 17	6 46	1 52	21 31	2 14	10 40	1 4	20 22	0 13	20 55	0 6	7 48	1 6	3 24	16 16	15 11	15 0	6 59	16 55	5 22	S 17
S 18	19 34	19 50	2 48	14 33	2 31	7 13	1 52	21 28	2 17	10 45	1 4	20 22	0 13	20 56	0 6	7 48	1 6	3 24	16 16	15 13	15 1	6 57	16 54	5 23	S 18
M19	19 47	18 52	1 48	14 14	2 44	7 39	1 52	21 24	2 21	10 49	1 4	20 23	0 13	20 57	0 6	7 48	1 6	3 23	16 16	15 14	15 2	6 55	16 54	5 23	M19
T 20	20 0	17 0	0 45	13 58	2 56	8 5	1 52	21 21	2 24	10 54	1 4	20 23	0 13	20 57	0 6	7 48	1 6	3 23	16 16	15 14	15 3	6 53	16 53	5 23	T 20
W21	20 12	14 26	0n18	13 43	3 7	8 31	1 52	21 18	2 27	10 59	1 4	20 23	0 13	20 58	0 6	7 48	1 6	3 23	16 17	15 14	15 4	6 51	16 52	5 24	W21
T 22	20 24	11 17	1 21	13 31	3 16	8 56	1 52	21 15	2 30	11 3	1 4	20 24	0 13	20 59	0 6	7 48	1 6	3 22	16 17	15 14	15 5	6 49	16 51	5 24	T 22
F 23	20 36	7 42	2 19	13 21	3 25	9 22	1 52	21 12	2 33	11 8	1 4	20 24	0 14	20 59	0 6	7 48	1 6	3 22	16 17	15 14	15 6	6 48	16 50	5 24	F 23
S 24	20 47	3 49	3 11	13 14	3 32	9 47	1 51	21 9	2 37	11 13	1 4	20 24	0 14	21 0	0 6	7 48	1 6	3 22	16 17	15 15	15 7	6 46	16 49	5 25	S 24
S 25	20 58	0s14	3 56	13 8	3 38	10 13	1 51	21 6	2 40	11 17	1 4	20 25	0 14	21 1	0 6	7 48	1 6	3 22	16 17	15 17	15 8	6 44	16 49	5 25	S 25
M26	21 9	4 20	4 30	13 6	3 44	10 38	1 50	21 3	2 43	11 22	1 4	20 25	0 14	21 1	0 6	7 48	1 6	3 21	16 17	15 19	15 9	6 42	16 48	5 25	M26
T 27	21 19	8 19	4 53	13 5	3 48	11 3	1 50	21 0	2 47	11 26	1 4	20 26	0 14	21 2	0 6	7 48	1 6	3 21	16 17	15 22	15 10	6 40	16 47	5 25	T 27
W28	21 29	12 2	5 2	13 7	3 50	11 27	1 49	20 57	2 50	11 30	1 4	20 26	0 14	21 3	0 6	7 48	1 6	3 21	16 18	15 25	15 11	6 38	16 46	5 26	W28
T 29	21 38	15 16	4 56	13 11	3 52	11 52	1 48	20 55	2 54	11 35	1 4	20 27	0 14	21 3	0 6	7 48	1 6	3 21	16 18	15 29	15 12	6 36	16 45	5 26	T 29
F 30	21 48	17 49	4 34	13 17	3 53	12 16	1 48	20 52	2 57	11 39	1 4	20 27	0 14	21 4	0 6	7 47	1 6	3 21	16 18	15 32	15 13	6 34	16 45	5 26	F 30
S 31	21n56	19s28	3n58	13n25	3s53	12n40	1s47	20s50	3s 1	11n44	1s 4	20s28	0s14	21n 5	0s 6	7n47	1n 6	3s20	16s18	15n35	15n14	6n32	16s44	5n26	S 31

Julian Day Number = 2308490.5, Delta T = 78.54 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'26, Lahiri = 18°23'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

JUNE 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 55	10♊34'40	9♑34	18♉18	9♉38	9♒46	3♉48	29°R48	5♊ 1	12♍47	1♉24	17°R28	18♌42	19♍46	10°R45	S 1
M 2	16 42 51	11°32'02	23°17	18°56	10°50	10° 7	4° 0	29♑46	5° 5	12°47	1°25	17♌24	18°39	19°53	10♐41	M 2
T 3	16 46 48	12°29'22	7♒ 9	19°37	12° 1	10°28	4°13	29°44	5° 8	12°47	1°26	17°22	18°36	19°59	10°37	T 3
W 4	16 50 44	13°26'43	21° 7	20°23	13°13	10°47	4°26	29°41	5°12	12°48	1°27	17°D21	18°33	20° 6	10°32	W 4
T 5	16 54 41	14°24'02	5♓10	21°13	14°25	11° 7	4°38	29°39	5°15	12°48	1°28	17°22	18°30	20°13	10°28	T 5
F 6	16 58 37	15°21'21	19°18	22° 6	15°36	11°26	4°51	29°37	5°19	12°48	1°29	17°R22	18°26	20°19	10°24	F 6
S 7	17 2 34	16°18'40	3♈29	23° 3	16°48	11°44	5° 4	29°34	5°22	12°49	1°30	17°21	18°23	20°26	10°20	S 7
S 8	17 6 31	17°15'59	17°42	24° 4	18° 0	12° 2	5°16	29°31	5°26	12°49	1°31	17°17	18°20	20°33	10°15	S 8
M 9	17 10 27	18°13'17	1♉54	25° 8	19°12	12°19	5°28	29°29	5°29	12°50	1°32	17°12	18°17	20°39	10°11	M 9
T 10	17 14 24	19°10'34	16° 1	26°16	20°24	12°36	5°41	29°26	5°33	12°50	1°33	17° 4	18°14	20°46	10° 7	T 10
W11	17 18 20	20° 7'52	29°59	27°27	21°36	12°52	5°53	29°23	5°36	12°51	1°34	16°55	18°11	20°53	10° 3	W11
T 12	17 22 17	21° 5'08	13♊45	28°42	22°48	13° 8	6° 5	29°20	5°40	12°52	1°35	16°46	18° 7	20°59	9°59	T 12
F 13	17 26 13	22° 2'25	27°14	0♊ 0	24° 0	13°23	6°17	29°17	5°43	12°52	1°36	16°38	18° 4	21° 6	9°55	F 13
S 14	17 30 10	22°59'41	10♋24	1°21	25°12	13°37	6°29	29°14	5°46	12°53	1°37	16°31	18° 1	21°13	9°51	S 14
S 15	17 34 7	23°56'56	23°15	2°46	26°24	13°51	6°41	29°11	5°50	12°54	1°38	16°26	17°58	21°19	9°47	S 15
M16	17 38 3	24°54'11	5♌47	4°14	27°36	14° 5	6°53	29° 8	5°53	12°54	1°39	16°24	17°55	21°26	9°43	M16
T 17	17 42 0	25°51'25	18° 3	5°45	28°48	14°17	7° 4	29° 4	5°57	12°55	1°40	16°D23	17°52	21°33	9°39	T 17
W18	17 45 56	26°48'39	0♍ 5	7°19	0♊ 0	14°29	7°16	29° 1	6° 0	12°56	1°41	16°24	17°48	21°39	9°35	W18
T 19	17 49 53	27°45'52	11°59	8°56	1°12	14°41	7°28	28°58	6° 3	12°57	1°42	16°25	17°45	21°46	9°31	T 19
F 20	17 53 49	28°43'04	23°49	10°37	2°25	14°52	7°39	28°54	6° 7	12°58	1°42	16°R26	17°42	21°53	9°27	F 20
S 21	17 57 46	29°40'16	5♎41	12°20	3°37	15° 2	7°50	28°51	6°10	12°58	1°43	16°26	17°39	21°59	9°23	S 21
S 22	18 1 42	0♋37'27	17°38	14° 7	4°49	15°11	8° 2	28°47	6°13	12°59	1°44	16°24	17°36	22° 6	9°20	S 22
M23	18 5 39	1°34'38	29°48	15°56	6° 1	15°20	8°13	28°43	6°17	13° 0	1°45	16°21	17°32	22°13	9°16	M23
T 24	18 9 35	2°31'49	12♏12	17°49	7°14	15°28	8°24	28°40	6°20	13° 1	1°46	16°16	17°29	22°20	9°12	T 24
W25	18 13 32	3°28'59	24°54	19°43	8°26	15°35	8°35	28°36	6°23	13° 2	1°46	16° 9	17°26	22°26	9° 9	W25
T 26	18 17 29	4°26'09	7♐57	21°41	9°38	15°42	8°46	28°32	6°26	13° 3	1°47	16° 2	17°23	22°33	9° 5	T 26
F 27	18 21 25	5°23'19	21°19	23°41	10°51	15°48	8°57	28°28	6°30	13° 4	1°48	15°56	17°20	22°40	9° 1	F 27
S 28	18 25 22	6°20'29	5♑ 0	25°42	12° 3	15°53	9° 8	28°24	6°33	13° 5	1°49	15°50	17°17	22°46	8°58	S 28
S 29	18 29 18	7°17'39	18°57	27°46	13°16	15°58	9°18	28°20	6°36	13° 6	1°49	15°46	17°13	22°53	8°55	S 29
M30	18 33 15	8♋14'49	3♒ 6	29♊52	14♊28	16♒ 2	9♉29	28♑16	6♊39	13♍ 8	1♉50	15♌44	17♌10	23♍ 0	8♐51	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 5	20s 2	3n 7	13n36	3s52	13n 3	1s46	20s48	3s 4	11n48	1s 4	20s28	0s15	21n 5	0s 6	7n47	1n 6	3s20	16s18	15n38	15n15	6n30	16s43	5n26
M 2	22 13	19 26	2 5	13 48	3 50	13 27	1 45	20 45	3 8	11 52	1 4	20 29	0 15	21 6	0 6	7 47	1 6	3 20	16 19	15 39	15 16	6 28	16 42	5 27
T 3	22 20	17 39	0 54	14 2	3 47	13 50	1 44	20 43	3 12	11 56	1 5	20 29	0 15	21 7	0 6	7 47	1 6	3 20	16 19	15 40	15 17	6 26	16 42	5 27
W 4	22 28	14 48	0s20	14 17	3 44	14 13	1 42	20 42	3 15	12 1	1 5	20 30	0 15	21 7	0 6	7 47	1 6	3 20	16 19	15 40	15 18	6 24	16 41	5 27
T 5	22 34	11 5	1 34	14 34	3 39	14 35	1 41	20 40	3 19	12 5	1 5	20 31	0 15	21 8	0 5	7 47	1 6	3 20	16 19	15 40	15 19	6 23	16 40	5 27
F 6	22 41	6 44	2 42	14 53	3 34	14 57	1 40	20 38	3 23	12 9	1 5	20 31	0 15	21 8	0 5	7 46	1 6	3 19	16 19	15 40	15 20	6 21	16 39	5 27
S 7	22 47	1 59	3 41	15 13	3 28	15 19	1 38	20 37	3 27	12 13	1 5	20 32	0 15	21 9	0 5	7 46	1 6	3 19	16 20	15 40	15 21	6 19	16 39	5 27
S 8	22 53	2n52	4 26	15 34	3 22	15 41	1 37	20 35	3 31	12 17	1 5	20 32	0 15	21 10	0 5	7 46	1 6	3 19	16 20	15 41	15 22	6 17	16 38	5 27
M 9	22 58	7 33	4 54	15 56	3 15	16 2	1 36	20 34	3 35	12 21	1 5	20 33	0 15	21 10	0 5	7 46	1 5	3 19	16 20	15 43	15 23	6 15	16 37	5 27
T 10	23 3	11 48	5 5	16 20	3 7	16 22	1 34	20 33	3 39	12 25	1 5	20 34	0 15	21 11	0 5	7 46	1 5	3 19	16 20	15 45	15 24	6 13	16 37	5 28
W11	23 7	15 21	4 57	16 44	2 59	16 43	1 32	20 32	3 43	12 29	1 5	20 34	0 16	21 12	0 5	7 45	1 5	3 19	16 21	15 48	15 25	6 11	16 36	5 28
T 12	23 11	18 0	4 32	17 9	2 50	17 3	1 31	20 32	3 47	12 33	1 5	20 35	0 16	21 12	0 5	7 45	1 5	3 19	16 21	15 51	15 26	6 9	16 35	5 28
F 13	23 15	19 35	3 52	17 35	2 40	17 22	1 29	20 31	3 51	12 37	1 5	20 36	0 16	21 13	0 5	7 45	1 5	3 19	16 21	15 53	15 27	6 7	16 35	5 28
S 14	23 18	20 4	3 1	18 1	2 31	17 41	1 27	20 31	3 55	12 41	1 5	20 37	0 16	21 13	0 5	7 45	1 5	3 19	16 21	15 55	15 28	6 5	16 34	5 28
S 15	23 21	19 29	2 1	18 27	2 21	18 0	1 25	20 31	3 59	12 45	1 6	20 37	0 16	21 14	0 5	7 44	1 5	3 19	16 21	15 57	15 29	6 3	16 33	5 28
M16	23 23	17 57	0 57	18 54	2 10	18 19	1 24	20 31	4 3	12 48	1 6	20 38	0 16	21 15	0 5	7 44	1 5	3 18	16 22	15 57	15 30	6 1	16 33	5 28
T 17	23 25	15 36	0n 9	19 21	1 59	18 36	1 22	20 31	4 7	12 52	1 6	20 39	0 16	21 15	0 5	7 44	1 5	3 18	16 22	15 57	15 31	5 59	16 32	5 28
W18	23 27	12 36	1 13	19 48	1 48	18 54	1 20	20 31	4 11	12 56	1 6	20 40	0 16	21 16	0 5	7 43	1 5	3 18	16 22	15 57	15 32	5 57	16 32	5 28
T 19	23 28	9 8	2 14	20 15	1 36	19 11	1 18	20 32	4 16	12 59	1 6	20 41	0 16	21 16	0 5	7 43	1 5	3 18	16 22	15 57	15 33	5 55	16 31	5 28
F 20	23 29	5 20	3 8	20 41	1 25	19 27	1 16	20 33	4 20	13 3	1 6	20 41	0 16	21 17	0 5	7 43	1 5	3 18	16 23	15 57	15 34	5 53	16 30	5 28
S 21	23 29	1 20	3 55	21 7	1 13	19 43	1 13	20 34	4 24	13 7	1 6	20 42	0 17	21 18	0 5	7 42	1 5	3 18	16 23	15 57	15 35	5 51	16 30	5 28
S 22	23 29	2s45	4 31	21 32	1 1	19 58	1 11	20 35	4 29	13 10	1 6	20 43	0 17	21 18	0 5	7 42	1 5	3 18	16 23	15 57	15 36	5 49	16 29	5 28
M23	23 29	6 48	4 57	21 56	0 49	20 13	1 9	20 37	4 33	13 14	1 6	20 44	0 17	21 19	0 5	7 42	1 5	3 18	16 24	15 58	15 36	5 47	16 29	5 28
T 24	23 28	10 38	5 8	22 19	0 37	20 28	1 7	20 38	4 37	13 17	1 6	20 45	0 17	21 19	0 5	7 41	1 5	3 18	16 24	16 0	15 37	5 45	16 28	5 28
W25	23 27	14 5	5 6	22 40	0 25	20 42	1 5	20 40	4 42	13 21	1 6	20 46	0 17	21 20	0 5	7 41	1 5	3 18	16 24	16 2	15 38	5 43	16 28	5 28
T 26	23 25	16 57	4 47	23 0	0 14	20 55	1 2	20 43	4 46	13 24	1 7	20 46	0 17	21 20	0 5	7 40	1 5	3 18	16 24	16 4	15 39	5 41	16 27	5 28
F 27	23 23	19 0	4 13	23 18	0 2	21 8	1 0	20 45	4 50	13 27	1 7	20 47	0 17	21 21	0 5	7 40	1 5	3 18	16 25	16 6	15 40	5 39	16 27	5 28
S 28	23 20	20 1	3 23	23 34	0n 9	21 20	0 58	20 47	4 55	13 31	1 7	20 48	0 17	21 22	0 5	7 39	1 5	3 18	16 25	16 7	15 41	5 37	16 27	5 28
S 29	23 17	19 50	2 20	23 48	0 20	21 31	0 55	20 50	4 59	13 34	1 7	20 49	0 17	21 22	0 5	7 39	1 5	3 18	16 25	16 9	15 42	5 35	16 26	5 27
M30	23n14	18s24	1n 8	24n 0	0n31	21n42	0s53	20s53	5s 4	13n37	1s 7	20s50	0s17	21n23	0s 5	7n39	1n 5	3s18	16s26	16n 9	15n43	5n33	16s26	5n27

Julian Day Number = 2308521.5, Delta T = 78.44 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'30, Lahiri = 18°23'31Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1608
geocentric

JULY 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 11	9♋11'59	17♒22	1♋59	15♊41	16♒ 5	9♉39	28°R12	6♊42	13♍ 9	1♉51	15°D43	17♌ 7	23♍ 6	8°R48	T 1
W 2	18 41 8	10° 9'09	1♓42	4° 7	16°53	16° 7	9°49	28♑ 8	6°45	13°10	1°51	15♌44	17° 4	23°13	8♐45	W 2
T 3	18 45 5	11° 6'19	16° 2	6°16	18° 6	16° 8	10° 0	28° 4	6°48	13°11	1°52	15°45	17° 1	23°20	8°41	T 3
F 4	18 49 1	12° 3'30	0♈18	8°25	19°18	16°R 9	10°10	28° 0	6°51	13°12	1°52	15°46	16°58	23°26	8°38	F 4
S 5	18 52 58	13° 0'42	14°30	10°34	20°31	16° 9	10°20	27°56	6°54	13°14	1°53	15°R47	16°54	23°33	8°35	S 5
S 6	18 56 54	13°57'54	28°33	12°44	21°44	16° 8	10°30	27°52	6°57	13°15	1°53	15°46	16°51	23°40	8°32	S 6
M 7	19 0 51	14°55'07	12♉29	14°53	22°56	16° 7	10°39	27°47	7° 0	13°16	1°54	15°44	16°48	23°46	8°29	M 7
T 8	19 4 47	15°52'20	26°13	17° 2	24° 9	16° 4	10°49	27°43	7° 3	13°18	1°54	15°40	16°45	23°53	8°27	T 8
W 9	19 8 44	16°49'34	9♊46	19°10	25°22	16° 1	10°59	27°39	7° 6	13°19	1°55	15°36	16°42	24° 0	8°24	W 9
T 10	19 12 40	17°46'48	23° 6	21°17	26°35	15°57	11° 8	27°34	7° 9	13°21	1°55	15°32	16°38	24° 6	8°21	T 10
F 11	19 16 37	18°44'03	6♋11	23°22	27°48	15°52	11°17	27°30	7°12	13°22	1°56	15°28	16°35	24°13	8°18	F 11
S 12	19 20 34	19°41'18	19° 2	25°27	29° 1	15°47	11°26	27°26	7°15	13°23	1°56	15°25	16°32	24°20	8°16	S 12
S 13	19 24 30	20°38'34	1♌37	27°30	0♋14	15°41	11°35	27°21	7°18	13°25	1°57	15°23	16°29	24°26	8°13	S 13
M14	19 28 27	21°35'50	13°59	29°31	1°27	15°34	11°44	27°17	7°20	13°26	1°57	15°D22	16°26	24°33	8°11	M14
T 15	19 32 23	22°33'07	26° 8	1♌31	2°39	15°26	11°53	27°13	7°23	13°28	1°58	15°23	16°23	24°40	8° 9	T 15
W16	19 36 20	23°30'24	8♍ 7	3°30	3°52	15°18	12° 2	27° 8	7°26	13°29	1°58	15°24	16°19	24°46	8° 7	W16
T 17	19 40 16	24°27'41	19°59	5°27	5° 6	15° 9	12°10	27° 4	7°28	13°31	1°58	15°25	16°16	24°53	8° 4	T 17
F 18	19 44 13	25°24'59	1♎49	7°22	6°19	14°59	12°19	26°59	7°31	13°33	1°58	15°27	16°13	25° 0	8° 2	F 18
S 19	19 48 9	26°22'17	13°40	9°15	7°32	14°49	12°27	26°55	7°34	13°34	1°59	15°28	16°10	25° 6	8° 0	S 19
S 20	19 52 6	27°19'36	25°38	11° 7	8°45	14°38	12°35	26°50	7°36	13°36	1°59	15°R29	16° 7	25°13	7°58	S 20
M21	19 56 3	28°16'55	7♏47	12°57	9°58	14°26	12°43	26°46	7°39	13°38	1°59	15°28	16° 3	25°20	7°57	M21
T 22	19 59 59	29°14'14	20°11	14°45	11°11	14°14	12°51	26°41	7°41	13°39	2° 0	15°27	16° 0	25°26	7°55	T 22
W23	20 3 56	0♌11'34	2♐54	16°32	12°24	14° 2	12°59	26°37	7°44	13°41	2° 0	15°26	15°57	25°33	7°53	W23
T 24	20 7 52	1° 8'55	16° 0	18°16	13°38	13°49	13° 6	26°33	7°46	13°43	2° 0	15°24	15°54	25°40	7°52	T 24
F 25	20 11 49	2° 6'16	29°30	20° 0	14°51	13°35	13°14	26°28	7°49	13°44	2° 0	15°22	15°51	25°46	7°50	F 25
S 26	20 15 45	3° 3'38	13♑23	21°41	16° 4	13°21	13°21	26°24	7°51	13°46	2° 0	15°21	15°48	25°53	7°49	S 26
S 27	20 19 42	4° 1'01	27°38	23°21	17°18	13° 7	13°28	26°19	7°53	13°48	2° 0	15°20	15°44	26° 0	7°47	S 27
M28	20 23 38	4°58'24	12♒ 9	24°59	18°31	12°53	13°35	26°15	7°56	13°50	2° 0	15°D19	15°41	26° 6	7°46	M28
T 29	20 27 35	5°55'49	26°50	26°35	19°44	12°38	13°42	26°11	7°58	13°52	2° 1	15°19	15°38	26°13	7°45	T 29
W30	20 31 32	6°53'14	11♓36	28°10	20°58	12°22	13°49	26° 6	8° 0	13°54	2° 1	15°20	15°35	26°20	7°44	W30
T 31	20 35 28	7♌50'41	26♓19	29♌43	22♋11	12♒ 7	13♉55	26♑ 2	8♊ 2	13♍55	2♉ 1	15♌21	15♌32	26♍26	7♐43	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n10	15s48	0s 9	24n 9	0n40	21n53	0s50	20s57	5s 8	13n40	1s 7	20s51	0s18	21n23	0s 5	7n38	1n 5	3s19	16s26	16n 9	15n44	5n31	16s25	5n27
W 2	23 6	12 14	1 26	24 15	0 50	22 3	0 48	21 0	5 12	13 43	1 7	20 52	0 18	21 24	0 5	7 38	1 5	3 19	16 26	16 9	15 45	5 29	16 25	5 27
T 3	23 1	7 57	2 38	24 19	0 59	22 12	0 46	21 4	5 17	13 47	1 7	20 53	0 18	21 24	0 5	7 37	1 5	3 19	16 26	16 9	15 46	5 27	16 25	5 27
F 4	22 56	3 14	3 40	24 20	1 7	22 21	0 43	21 8	5 21	13 50	1 8	20 54	0 18	21 25	0 5	7 37	1 5	3 19	16 27	16 8	15 47	5 25	16 24	5 27
S 5	22 51	1n37	4 27	24 18	1 14	22 29	0 41	21 12	5 25	13 53	1 8	20 55	0 18	21 25	0 5	7 36	1 5	3 19	16 27	16 8	15 48	5 23	16 24	5 27
S 6	22 45	6 20	4 59	24 14	1 21	22 36	0 38	21 16	5 30	13 56	1 8	20 56	0 18	21 26	0 5	7 36	1 5	3 19	16 27	16 9	15 49	5 21	16 24	5 27
M 7	22 39	10 39	5 12	24 6	1 27	22 43	0 35	21 20	5 34	13 58	1 8	20 57	0 18	21 26	0 5	7 35	1 5	3 19	16 28	16 9	15 50	5 19	16 23	5 26
T 8	22 33	14 22	5 7	23 56	1 33	22 49	0 33	21 25	5 38	14 1	1 8	20 57	0 18	21 27	0 5	7 34	1 5	3 19	16 28	16 10	15 51	5 17	16 23	5 26
W 9	22 26	17 15	4 46	23 43	1 37	22 54	0 30	21 30	5 42	14 4	1 8	20 58	0 18	21 27	0 5	7 34	1 5	3 19	16 28	16 11	15 52	5 15	16 23	5 26
T 10	22 18	19 10	4 8	23 28	1 41	22 59	0 28	21 35	5 46	14 7	1 8	20 59	0 18	21 28	0 5	7 33	1 5	3 20	16 29	16 13	15 53	5 13	16 23	5 26
F 11	22 11	20 2	3 19	23 10	1 44	23 3	0 25	21 40	5 50	14 10	1 8	21 0	0 19	21 28	0 5	7 33	1 5	3 20	16 29	16 14	15 54	5 11	16 22	5 26
S 12	22 2	19 50	2 20	22 50	1 46	23 7	0 23	21 46	5 54	14 12	1 9	21 1	0 19	21 29	0 5	7 32	1 5	3 20	16 29	16 15	15 55	5 9	16 22	5 25
S 13	21 54	18 37	1 15	22 28	1 48	23 9	0 20	21 51	5 58	14 15	1 9	21 2	0 19	21 29	0 5	7 32	1 5	3 20	16 29	16 15	15 56	5 7	16 22	5 25
M14	21 45	16 33	0 8	22 4	1 49	23 12	0 17	21 57	6 2	14 18	1 9	21 3	0 19	21 30	0 5	7 31	1 5	3 20	16 30	16 16	15 57	5 5	16 22	5 25
T 15	21 36	13 45	0n59	21 38	1 49	23 13	0 15	22 3	6 5	14 20	1 9	21 4	0 19	21 30	0 5	7 30	1 5	3 20	16 30	16 15	15 58	5 3	16 22	5 25
W16	21 26	10 26	2 2	21 10	1 48	23 14	0 12	22 9	6 9	14 23	1 9	21 5	0 19	21 31	0 5	7 30	1 5	3 21	16 30	16 15	15 59	5 1	16 22	5 25
T 17	21 16	6 43	3 0	20 41	1 47	23 14	0 10	22 15	6 12	14 25	1 9	21 6	0 19	21 31	0 5	7 29	1 5	3 21	16 31	16 15	16 0	4 59	16 22	5 24
F 18	21 6	2 47	3 49	20 10	1 46	23 13	0 7	22 21	6 16	14 28	1 9	21 7	0 19	21 31	0 5	7 29	1 5	3 21	16 31	16 14	16 0	4 57	16 22	5 24
S 19	20 55	1s16	4 29	19 38	1 43	23 12	0 4	22 27	6 19	14 30	1 10	21 8	0 19	21 32	0 5	7 28	1 5	3 21	16 31	16 14	16 1	4 55	16 21	5 24
S 20	20 44	5 18	4 57	19 5	1 40	23 10	0 2	22 34	6 22	14 32	1 10	21 9	0 19	21 32	0 5	7 27	1 5	3 21	16 32	16 14	16 2	4 53	16 21	5 24
M21	20 33	9 11	5 13	18 31	1 37	23 8	0n 1	22 40	6 25	14 35	1 10	21 10	0 19	21 33	0 5	7 27	1 5	3 22	16 32	16 14	16 3	4 51	16 21	5 23
T 22	20 21	12 46	5 15	17 56	1 33	23 4	0 3	22 46	6 28	14 37	1 10	21 11	0 20	21 33	0 5	7 26	1 5	3 22	16 32	16 14	16 4	4 49	16 21	5 23
W23	20 9	15 51	5 2	17 20	1 29	23 0	0 6	22 52	6 31	14 39	1 10	21 12	0 20	21 34	0 5	7 25	1 4	3 22	16 33	16 15	16 5	4 47	16 21	5 23
T 24	19 57	18 14	4 32	16 43	1 24	22 56	0 8	22 59	6 33	14 41	1 10	21 13	0 20	21 34	0 5	7 25	1 4	3 22	16 33	16 15	16 6	4 45	16 21	5 23
F 25	19 44	19 42	3 47	16 5	1 19	22 50	0 11	23 5	6 36	14 43	1 11	21 14	0 20	21 34	0 5	7 24	1 4	3 23	16 33	16 16	16 7	4 43	16 21	5 22
S 26	19 31	20 2	2 48	15 27	1 13	22 44	0 13	23 11	6 38	14 45	1 11	21 14	0 20	21 35	0 5	7 23	1 4	3 23	16 34	16 16	16 8	4 41	16 21	5 22
S 27	19 17	19 6	1 37	14 49	1 7	22 38	0 16	23 17	6 40	14 47	1 11	21 15	0 20	21 35	0 5	7 22	1 4	3 23	16 34	16 16	16 9	4 39	16 22	5 22
M28	19 4	16 54	0 18	14 10	1 0	22 31	0 18	23 24	6 42	14 49	1 11	21 16	0 20	21 35	0 5	7 22	1 4	3 23	16 34	16 16	16 10	4 37	16 22	5 21
T 29	18 50	13 35	1s 3	13 31	0 54	22 23	0 21	23 30	6 44	14 51	1 11	21 17	0 20	21 36	0 5	7 21	1 4	3 24	16 35	16 16	16 11	4 35	16 22	5 21
W30	18 35	9 24	2 21	12 52	0 46	22 14	0 23	23 35	6 45	14 53	1 11	21 18	0 20	21 36	0 5	7 20	1 4	3 24	16 35	16 16	16 12	4 33	16 22	5 21
T 31	18n21	4s39	3s28	12n12	0n39	22n 5	0n26	23s41	6s46	14n55	1s11	21s19	0s20	21n37	0s 5	7n20	1n 4	3s24	16s35	16n16	16n13	4n31	16s22	5n21

Julian Day Number = 2308551.5, Delta T = 78.35 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'35, Lahiri = 18°23'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

AUGUST 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 39 25	8♌48'09	10♈53	1♍15	23♋25	11°R51	14♉ 1	25°R58	8♊ 4	13♍57	2°R 1	15♌21	15♌29	26♍33	7°R42	F 1
S 2	20 43 21	9°45'38	25°15	2°45	24°38	11♒36	14° 8	25♏53	8° 6	13°59	2♉ 1	15°22	15°25	26°40	7♐41	S 2
S 3	20 47 18	10°43'09	9♉20	4°13	25°52	11°20	14°14	25°49	8° 8	14° 1	2° 1	15°R22	15°22	26°47	7°41	S 3
M 4	20 51 14	11°40'41	23° 9	5°39	27° 6	11° 4	14°20	25°45	8°10	14° 3	2° 1	15°22	15°19	26°53	7°40	M 4
T 5	20 55 11	12°38'15	6♊39	7° 4	28°19	10°48	14°25	25°41	8°12	14° 5	2° 0	15°21	15°16	27° 0	7°40	T 5
W 6	20 59 7	13°35'50	19°53	8°27	29°33	10°32	14°31	25°37	8°14	14° 7	2° 0	15°21	15°13	27° 7	7°39	W 6
T 7	21 3 4	14°33'27	2♋52	9°48	0♌47	10°16	14°36	25°33	8°16	14° 9	2° 0	15°21	15° 9	27°13	7°39	T 7
F 8	21 7 1	15°31'05	15°35	11° 7	2° 1	10° 0	14°42	25°29	8°18	14°11	2° 0	15°D21	15° 6	27°20	7°39	F 8
S 9	21 10 57	16°28'44	28° 6	12°25	3°14	9°45	14°47	25°25	8°20	14°13	2° 0	15°21	15° 3	27°27	7°39	S 9
S 10	21 14 54	17°26'25	10♌25	13°40	4°28	9°30	14°51	25°21	8°22	14°15	2° 0	15°R21	15° 0	27°33	7°D39	S 10
M11	21 18 50	18°24'07	22°34	14°54	5°42	9°15	14°56	25°17	8°23	14°17	2° 0	15°21	14°57	27°40	7°39	M11
T 12	21 22 47	19°21'50	4♍34	16° 5	6°56	9° 0	15° 1	25°13	8°25	14°19	1°59	15°21	14°54	27°47	7°39	T 12
W13	21 26 43	20°19'35	16°29	17°15	8°10	8°46	15° 5	25° 9	8°27	14°21	1°59	15°21	14°50	27°53	7°39	W13
T 14	21 30 40	21°17'20	28°19	18°22	9°24	8°32	15° 9	25° 5	8°28	14°23	1°59	15°20	14°47	28° 0	7°39	T 14
F 15	21 34 36	22°15'08	10♎ 8	19°27	10°38	8°18	15°13	25° 2	8°30	14°25	1°59	15°19	14°44	28° 7	7°40	F 15
S 16	21 38 33	23°12'56	21°59	20°29	11°52	8° 5	15°17	24°58	8°31	14°27	1°58	15°18	14°41	28°13	7°41	S 16
S 17	21 42 30	24°10'45	3♏56	21°29	13° 6	7°53	15°21	24°54	8°33	14°29	1°58	15°17	14°38	28°20	7°41	S 17
M18	21 46 26	25° 8'36	16° 3	22°26	14°20	7°41	15°24	24°51	8°34	14°32	1°58	15°17	14°35	28°27	7°42	M18
T 19	21 50 23	26° 6'28	28°25	23°21	15°34	7°30	15°27	24°47	8°35	14°34	1°57	15°D16	14°31	28°33	7°43	T 19
W20	21 54 19	27° 4'21	11♐ 4	24°12	16°48	7°19	15°30	24°44	8°37	14°36	1°57	15°17	14°28	28°40	7°44	W20
T 21	21 58 16	28° 2'16	24° 6	25° 0	18° 2	7° 9	15°33	24°41	8°38	14°38	1°57	15°18	14°25	28°47	7°45	T 21
F 22	22 2 12	29° 0'12	7♑34	25°45	19°16	7° 0	15°36	24°37	8°39	14°40	1°56	15°19	14°22	28°53	7°46	F 22
S 23	22 6 9	29°58'09	21°28	26°26	20°30	6°51	15°39	24°34	8°40	14°42	1°56	15°20	14°19	29° 0	7°47	S 23
S 24	22 10 5	0♍56'08	5♒48	27° 4	21°45	6°43	15°41	24°31	8°41	14°44	1°55	15°20	14°15	29° 7	7°48	S 24
M25	22 14 2	1°54'08	20°30	27°37	22°59	6°36	15°43	24°28	8°42	14°47	1°55	15°R21	14°12	29°14	7°50	M25
T 26	22 17 59	2°52'10	5♓28	28° 6	24°13	6°30	15°45	24°25	8°43	14°49	1°54	15°20	14° 9	29°20	7°51	T 26
W27	22 21 55	3°50'13	20°35	28°31	25°28	6°24	15°47	24°22	8°44	14°51	1°54	15°18	14° 6	29°27	7°53	W27
T 28	22 25 52	4°48'18	5♈41	28°51	26°42	6°19	15°48	24°19	8°45	14°53	1°53	15°16	14° 3	29°34	7°54	T 28
F 29	22 29 48	5°46'25	20°37	29° 5	27°56	6°15	15°50	24°16	8°46	14°55	1°53	15°13	14° 0	29°40	7°56	F 29
S 30	22 33 45	6°44'34	5♉15	29°14	29°11	6°11	15°51	24°14	8°47	14°58	1°52	15°11	13°56	29°47	7°58	S 30
S 31	22 37 41	7♍42'45	19♉31	29°R18	0♍25	6♒ 9	15♉52	24♏11	8♊47	15♍ 0	1♉52	15♌ 9	13♌53	29♍54	8♐ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n 6	0n18	4s22	11n32	0n31	21n55	0n28	23s47	6s48	14n56	1s12	21s20	0s20	21n37	0s 5	7n19	1n 4	3s24	16s36	16n16	16n14	4n29	16s22	5n20	
S 2	17 50	5 9	4 58	10 53	0 23	21 44	0 30	23 52	6 48	14 58	1 12	21 21	0 20	21 37	0 5	7 18	1 4	3 25	16 36	16 16	16 15	4 27	16 22	5 20	
S 3	17 35	9 39	5 16	10 13	0 15	21 33	0 33	23 58	6 49	15 0	1 12	21 22	0 21	21 38	0 5	7 17	1 4	3 25	16 36	16 16	16 16	4 25	16 23	5 20	
M 4	17 19	13 31	5 14	9 33	0 6	21 21	0 35	24 3	6 50	15 1	1 12	21 22	0 21	21 38	0 5	7 17	1 4	3 25	16 37	16 16	16 17	4 23	16 23	5 19	
T 5	17 3	16 36	4 56	8 54	0s 2	21 9	0 37	24 8	6 50	15 3	1 12	21 23	0 21	21 38	0 5	7 16	1 4	3 26	16 37	16 16	16 17	4 21	16 23	5 19	
W 6	16 47	18 45	4 22	8 15	0 11	20 56	0 39	24 12	6 50	15 4	1 12	21 24	0 21	21 38	0 5	7 15	1 4	3 26	16 37	16 16	16 18	4 18	16 23	5 19	
T 7	16 30	19 53	3 35	7 36	0 20	20 42	0 41	24 17	6 50	15 6	1 13	21 25	0 21	21 39	0 5	7 14	1 4	3 26	16 38	16 16	16 19	4 16	16 24	5 18	
F 8	16 13	19 58	2 38	6 57	0 30	20 28	0 43	24 21	6 50	15 7	1 13	21 26	0 21	21 39	0 5	7 14	1 4	3 27	16 38	16 16	16 20	4 14	16 24	5 18	
S 9	15 56	19 3	1 34	6 19	0 39	20 13	0 46	24 25	6 50	15 8	1 13	21 27	0 21	21 39	0 5	7 13	1 4	3 27	16 38	16 16	16 21	4 12	16 24	5 18	
S 10	15 38	17 14	0 27	5 41	0 49	19 57	0 48	24 28	6 49	15 10	1 13	21 27	0 21	21 40	0 5	7 12	1 4	3 27	16 39	16 16	16 22	4 10	16 25	5 17	
M11	15 21	14 39	0n40	5 4	0 59	19 41	0 50	24 32	6 48	15 11	1 13	21 28	0 21	21 40	0 5	7 11	1 4	3 28	16 39	16 16	16 23	4 8	16 25	5 17	
T 12	15 3	11 29	1 45	4 27	1 8	19 25	0 52	24 35	6 47	15 12	1 14	21 29	0 21	21 40	0 5	7 10	1 4	3 28	16 39	16 16	16 24	4 6	16 25	5 17	
W13	14 44	7 52	2 44	3 51	1 18	19 7	0 53	24 37	6 46	15 13	1 14	21 30	0 21	21 40	0 5	7 10	1 4	3 29	16 39	16 16	16 25	4 4	16 26	5 16	
T 14	14 26	3 59	3 37	3 15	1 28	18 50	0 55	24 40	6 44	15 14	1 14	21 31	0 21	21 41	0 5	7 9	1 4	3 29	16 40	16 16	16 26	4 2	16 26	5 16	
F 15	14 7	0s 3	4 19	2 41	1 38	18 31	0 57	24 42	6 43	15 15	1 14	21 31	0 21	21 41	0 5	7 8	1 4	3 29	16 40	16 17	16 27	4 0	16 26	5 16	
S 16	13 48	4 5	4 51	2 7	1 48	18 13	0 59	24 44	6 41	15 16	1 14	21 32	0 21	21 41	0 5	7 7	1 4	3 30	16 40	16 17	16 28	3 58	16 27	5 15	
S 17	13 29	7 59	5 11	1 34	1 59	17 53	1 1	24 45	6 39	15 17	1 14	21 33	0 22	21 41	0 5	7 6	1 4	3 30	16 41	16 17	16 29	3 56	16 27	5 15	
M18	13 10	11 37	5 17	1 2	2 9	17 33	1 2	24 46	6 37	15 18	1 15	21 33	0 22	21 42	0 5	7 5	1 4	3 30	16 41	16 17	16 30	3 54	16 28	5 15	
T 19	12 50	14 50	5 9	0 32	2 19	17 13	1 4	24 47	6 35	15 19	1 15	21 34	0 22	21 42	0 5	7 5	1 4	3 31	16 41	16 17	16 31	3 52	16 28	5 14	
W20	12 31	17 26	4 45	0 2	2 29	16 52	1 5	24 48	6 32	15 19	1 15	21 35	0 22	21 42	0 5	7 4	1 4	3 31	16 42	16 17	16 31	3 49	16 29	5 14	
T 21	12 11	19 14	4 7	0s26	2 38	16 31	1 7	24 48	6 30	15 20	1 15	21 35	0 22	21 42	0 5	7 3	1 4	3 32	16 42	16 17	16 32	3 47	16 29	5 14	
F 22	11 51	20 2	3 14	0 53	2 48	16 9	1 8	24 48	6 27	15 21	1 15	21 36	0 22	21 42	0 5	7 2	1 4	3 32	16 42	16 17	16 33	3 45	16 30	5 13	
S 23	11 30	19 40	2 8	1 18	2 58	15 47	1 10	24 47	6 24	15 21	1 15	21 37	0 22	21 43	0 5	7 1	1 4	3 33	16 42	16 16	16 34	3 43	16 30	5 13	
S 24	11 10	18 1	0 53	1 41	3 7	15 24	1 11	24 47	6 21	15 22	1 16	21 37	0 22	21 43	0 5	7 0	1 4	3 33	16 43	16 16	16 35	3 41	16 31	5 13	
M25	10 49	15 8	0s28	2 3	3 16	15 1	1 12	24 46	6 18	15 22	1 16	21 38	0 22	21 43	0 5	7 0	1 4	3 33	16 43	16 16	16 36	3 39	16 31	5 12	
T 26	10 28	11 13	1 49	2 22	3 25	14 38	1 14	24 44	6 15	15 23	1 16	21 39	0 22	21 43	0 5	6 59	1 4	3 34	16 43	16 16	16 37	3 37	16 32	5 12	
W27	10 7	6 32	3 3	2 40	3 33	14 14	1 15	24 42	6 12	15 23	1 16	21 39	0 22	21 43	0 5	6 58	1 4	3 34	16 44	16 17	16 38	3 35	16 33	5 11	
T 28	9 46	1 28	4 3	2 55	3 41	13 50	1 16	24 41	6 9	15 23	1 16	21 40	0 22	21 43	0 5	6 57	1 4	3 35	16 44	16 17	16 39	3 33	16 33	5 11	
F 29	9 25	3n38	4 47	3 7	3 48	13 25	1 17	24 38	6 5	15 23	1 17	21 40	0 22	21 44	0 5	6 56	1 4	3 35	16 44	16 18	16 40	3 31	16 34	5 11	
S 30	9 3	8 25	5 10	3 17	3 54	13 0	1 18	24 36	6 2	15 23	1 17	21 41	0 22	21 44	0 5	6 55	1 4	3 36	16 44	16 19	16 41	3 29	16 34	5 10	
S 31	8n42	12n36	5s14	3s23	4s 0	12n35	1n19	24s33	5s58	15n24	1s17	21s41	0s22	21n44	0s 5	6n55	1n 4	3s36	16s45	16n19	16n42	3n26	16s35	5n10	

Julian Day Number = 2308582.5, Delta T = 78.25 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'39, Lahiri = 18°23'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

SEPTEMBER 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 41 38	8♍40'59	3♊23	29°R15	1♍39	6°R 7	15♉52	24°R 8	8♊48	15♍ 2	1°R51	15°D 8	13♌50	0♎ 0	8♐ 2	M 1
T 2	22 45 34	9°39'14	16°50	29♍ 6	2°54	6♒ 6	15°53	24♑ 6	8°49	15° 4	1♉50	15♌ 8	13°47	0° 7	8° 4	T 2
W 3	22 49 31	10°37'31	29°54	28°51	4° 8	6°D 6	15°53	24° 4	8°49	15° 7	1°50	15° 9	13°44	0°14	8° 6	W 3
T 4	22 53 27	11°35'51	12♋39	28°29	5°23	6° 6	15°R54	24° 1	8°50	15° 9	1°49	15°11	13°41	0°20	8° 9	T 4
F 5	22 57 24	12°34'12	25° 8	28° 0	6°37	6° 8	15°53	23°59	8°50	15°11	1°48	15°12	13°37	0°27	8°11	F 5
S 6	23 1 21	13°32'36	7♌23	27°25	7°52	6°10	15°53	23°57	8°51	15°13	1°48	15°14	13°34	0°34	8°14	S 6
S 7	23 5 17	14°31'01	19°29	26°44	9° 7	6°13	15°53	23°55	8°51	15°15	1°47	15°R14	13°31	0°40	8°16	S 7
M 8	23 9 14	15°29'29	1♍27	25°57	10°21	6°17	15°52	23°53	8°52	15°18	1°46	15°12	13°28	0°47	8°19	M 8
T 9	23 13 10	16°27'58	13°20	25° 4	11°36	6°21	15°51	23°51	8°52	15°20	1°46	15°10	13°25	0°54	8°22	T 9
W10	23 17 7	17°26'29	25°11	24° 7	12°50	6°26	15°50	23°50	8°52	15°22	1°45	15° 5	13°21	1° 0	8°24	W10
T 11	23 21 3	18°25'03	7♎ 0	23° 7	14° 5	6°33	15°49	23°48	8°52	15°24	1°44	15° 0	13°18	1° 7	8°27	T 11
F 12	23 25 0	19°23'38	18°51	22° 4	15°20	6°40	15°47	23°46	8°52	15°27	1°43	14°54	13°15	1°14	8°30	F 12
S 13	23 28 56	20°22'15	0♏44	21° 0	16°35	6°47	15°46	23°45	8°52	15°29	1°43	14°47	13°12	1°21	8°33	S 13
S 14	23 32 53	21°20'53	12°44	19°57	17°49	6°56	15°44	23°43	8°R52	15°31	1°42	14°41	13° 9	1°27	8°37	S 14
M15	23 36 50	22°19'34	24°51	18°55	19° 4	7° 5	15°42	23°42	8°52	15°33	1°41	14°37	13° 6	1°34	8°40	M15
T 16	23 40 46	23°18'16	7♐11	17°58	20°19	7°15	15°40	23°41	8°52	15°35	1°40	14°34	13° 2	1°41	8°43	T 16
W17	23 44 43	24°17'00	19°47	17° 6	21°34	7°26	15°37	23°40	8°52	15°38	1°39	14°D32	12°59	1°47	8°47	W17
T 18	23 48 39	25°15'46	2♑42	16°20	22°48	7°37	15°35	23°39	8°52	15°40	1°38	14°32	12°56	1°54	8°50	T 18
F 19	23 52 36	26°14'33	16° 1	15°42	24° 3	7°50	15°32	23°38	8°52	15°42	1°37	14°33	12°53	2° 1	8°54	F 19
S 20	23 56 32	27°13'23	29°47	15°13	25°18	8° 2	15°29	23°37	8°52	15°44	1°37	14°35	12°50	2° 7	8°57	S 20
S 21	0 0 29	28°12'14	13♒59	14°53	26°33	8°16	15°25	23°36	8°51	15°46	1°36	14°R35	12°46	2°14	9° 1	S 21
M22	0 4 25	29°11'06	28°38	14°D44	27°48	8°30	15°22	23°36	8°51	15°49	1°35	14°35	12°43	2°21	9° 5	M22
T 23	0 8 22	0♎10'01	13♓38	14°44	29° 2	8°45	15°18	23°35	8°50	15°51	1°34	14°32	12°40	2°27	9° 9	T 23
W24	0 12 19	1° 8'57	28°53	14°55	0♎17	9° 1	15°15	23°35	8°50	15°53	1°33	14°27	12°37	2°34	9°13	W24
T 25	0 16 15	2° 7'56	14♈11	15°16	1°32	9°17	15°11	23°34	8°49	15°55	1°32	14°21	12°34	2°41	9°17	T 25
F 26	0 20 12	3° 6'56	29°23	15°46	2°47	9°34	15° 6	23°34	8°49	15°57	1°31	14°13	12°31	2°47	9°21	F 26
S 27	0 24 8	4° 5'59	14♉17	16°26	4° 2	9°51	15° 2	23°34	8°48	15°59	1°30	14° 6	12°27	2°54	9°25	S 27
S 28	0 28 5	5° 5'04	28°47	17°14	5°17	10° 9	14°58	23°D34	8°47	16° 2	1°29	14° 0	12°24	3° 1	9°29	S 28
M29	0 32 1	6° 4'12	12♊48	18°11	6°32	10°27	14°53	23°34	8°47	16° 4	1°28	13°55	12°21	3° 8	9°34	M29
T 30	0 35 58	7♎ 3'21	26♊20	19♍14	7♎47	10♒46	14♉48	23♑34	8♊46	16♍ 6	1♉27	13♌53	12♌18	3♎14	9♐38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n20	15n58	4s59	3s27	4s 5	12n 9	1n20	24s30	5s54	15n24	1s17	21s42	0s22	21n44	0s 5	6n54	1n 4	3s36	16s45	16n20	16n43	3n24	16s36	5n10
T 2	7 58	18 23	4 28	3 27	4 9	11 43	1 20	24 26	5 51	15 24	1 17	21 42	0 23	21 44	0 5	6 53	1 4	3 37	16 45	16 20	16 43	3 22	16 36	5 9
W 3	7 36	19 45	3 44	3 23	4 12	11 16	1 21	24 23	5 47	15 24	1 17	21 43	0 23	21 44	0 5	6 52	1 4	3 37	16 46	16 19	16 44	3 20	16 37	5 9
T 4	7 14	20 4	2 50	3 16	4 13	10 50	1 22	24 19	5 43	15 23	1 18	21 43	0 23	21 44	0 5	6 51	1 4	3 38	16 46	16 19	16 45	3 18	16 38	5 9
F 5	6 51	19 23	1 48	3 5	4 13	10 23	1 23	24 15	5 39	15 23	1 18	21 44	0 23	21 44	0 5	6 50	1 4	3 38	16 46	16 19	16 46	3 16	16 38	5 8
S 6	6 29	17 46	0 43	2 49	4 12	9 55	1 23	24 10	5 35	15 23	1 18	21 44	0 23	21 44	0 5	6 49	1 4	3 39	16 46	16 18	16 47	3 14	16 39	5 8
S 7	6 6	15 23	0n23	2 30	4 9	9 28	1 24	24 6	5 31	15 23	1 18	21 44	0 23	21 44	0 5	6 49	1 4	3 39	16 46	16 18	16 48	3 12	16 40	5 8
M 8	5 44	12 21	1 28	2 7	4 4	9 0	1 24	24 1	5 27	15 22	1 18	21 45	0 23	21 45	0 5	6 48	1 4	3 40	16 47	16 18	16 49	3 10	16 41	5 7
T 9	5 21	8 50	2 28	1 40	3 57	8 32	1 24	23 56	5 23	15 22	1 18	21 45	0 23	21 45	0 5	6 47	1 4	3 40	16 47	16 19	16 50	3 8	16 41	5 7
W10	4 58	5 0	3 21	1 9	3 48	8 3	1 25	23 50	5 19	15 22	1 19	21 46	0 23	21 45	0 5	6 46	1 4	3 41	16 47	16 21	16 51	3 5	16 42	5 7
T 11	4 35	0 58	4 6	0 35	3 38	7 35	1 25	23 45	5 15	15 21	1 19	21 46	0 23	21 45	0 5	6 45	1 4	3 41	16 47	16 22	16 52	3 3	16 43	5 6
F 12	4 12	3s 5	4 40	0n 1	3 25	7 6	1 25	23 39	5 11	15 20	1 19	21 46	0 23	21 45	0 5	6 44	1 4	3 41	16 48	16 24	16 53	3 1	16 44	5 6
S 13	3 49	7 3	5 1	0 39	3 11	6 37	1 25	23 33	5 6	15 20	1 19	21 47	0 23	21 45	0 5	6 43	1 4	3 42	16 48	16 26	16 53	2 59	16 44	5 6
S 14	3 26	10 45	5 10	1 19	2 55	6 8	1 25	23 27	5 2	15 19	1 19	21 47	0 23	21 45	0 5	6 43	1 4	3 42	16 48	16 28	16 54	2 57	16 45	5 5
M15	3 3	14 4	5 6	1 59	2 37	5 38	1 25	23 20	4 58	15 18	1 19	21 47	0 23	21 45	0 5	6 42	1 4	3 43	16 48	16 29	16 55	2 55	16 46	5 5
T 16	2 40	16 50	4 47	2 38	2 19	5 9	1 25	23 14	4 54	15 18	1 20	21 47	0 23	21 45	0 5	6 41	1 4	3 43	16 49	16 30	16 56	2 53	16 47	5 5
W17	2 17	18 52	4 14	3 17	1 59	4 39	1 25	23 7	4 50	15 17	1 20	21 48	0 23	21 45	0 5	6 40	1 4	3 44	16 49	16 30	16 57	2 51	16 48	5 5
T 18	1 53	20 0	3 28	3 53	1 39	4 9	1 25	23 0	4 46	15 16	1 20	21 48	0 23	21 45	0 5	6 39	1 4	3 44	16 49	16 30	16 58	2 48	16 48	5 4
F 19	1 30	20 4	2 29	4 26	1 19	3 39	1 24	22 53	4 42	15 15	1 20	21 48	0 23	21 45	0 5	6 38	1 4	3 45	16 49	16 30	16 59	2 46	16 49	5 4
S 20	1 6	18 57	1 20	4 56	0 59	3 9	1 24	22 45	4 37	15 14	1 20	21 48	0 23	21 45	0 5	6 38	1 4	3 45	16 49	16 30	17 0	2 44	16 50	5 4
S 21	0 43	16 37	0 3	5 21	0 40	2 39	1 24	22 38	4 33	15 13	1 20	21 48	0 23	21 45	0 5	6 37	1 4	3 46	16 49	16 29	17 1	2 42	16 51	5 3
M22	0 19	13 9	1s15	5 43	0 21	2 9	1 23	22 30	4 29	15 12	1 20	21 49	0 24	21 44	0 5	6 36	1 4	3 46	16 50	16 30	17 2	2 40	16 52	5 3
T 23	0s 4	8 46	2 30	5 59	0 3	1 39	1 22	22 22	4 25	15 10	1 21	21 49	0 24	21 44	0 5	6 35	1 5	3 47	16 50	16 30	17 2	2 38	16 53	5 3
W24	0 27	3 45	3 36	6 11	0n14	1 8	1 22	22 14	4 21	15 9	1 21	21 49	0 24	21 44	0 5	6 34	1 5	3 47	16 50	16 32	17 3	2 36	16 54	5 2
T 25	0 51	1n31	4 26	6 17	0 30	0 38	1 21	22 6	4 17	15 8	1 21	21 49	0 24	21 44	0 5	6 33	1 5	3 47	16 50	16 34	17 4	2 33	16 54	5 2
F 26	1 14	6 38	4 57	6 19	0 45	0 7	1 20	21 57	4 13	15 7	1 21	21 49	0 24	21 44	0 5	6 33	1 5	3 48	16 50	16 36	17 5	2 31	16 55	5 2
S 27	1 38	11 16	5 7	6 15	0 58	0s23	1 20	21 49	4 9	15 5	1 21	21 49	0 24	21 44	0 5	6 32	1 5	3 48	16 50	16 38	17 6	2 29	16 56	5 2
S 28	2 1	15 5	4 57	6 7	1 10	0 54	1 19	21 40	4 5	15 4	1 21	21 49	0 24	21 44	0 5	6 31	1 5	3 49	16 51	16 40	17 7	2 27	16 57	5 1
M29	2 25	17 55	4 29	5 55	1 20	1 24	1 18	21 31	4 1	15 2	1 21	21 49	0 24	21 44	0 5	6 30	1 5	3 49	16 51	16 41	17 8	2 25	16 58	5 1
T 30	2s48	19n39	3s47	5n38	1n29	1s55	1n17	21s22	3s57	15n 1	1s21	21s49	0s24	21n44	0s 5	6n29	1n 5	3s50	16s51	16n42	17n 9	2n23	16s59	5n 1

Julian Day Number = 2308613.5, Delta T = 78.16 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'43, Lahiri = 18°23'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

OCTOBER 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 39 54	8♎ 2'34	9♋24	20♍24	9♎ 2	11♒ 6	14°R43	23♑35	8°R45	16♍ 8	1°R26	13°D52	12♌15	3♎21	9♐43	W 1
T 2	0 43 51	9° 1'48	22° 5	21°40	10°17	11°26	14♉38	23°35	8♊44	16°10	1♉25	13♌53	12°12	3°28	9°47	T 2
F 3	0 47 47	10° 1'05	4♌27	23° 1	11°32	11°47	14°32	23°36	8°43	16°12	1°24	13°54	12° 8	3°34	9°52	F 3
S 4	0 51 44	11° 0'24	16°34	24°26	12°47	12° 8	14°27	23°36	8°42	16°14	1°23	13°R54	12° 5	3°41	9°56	S 4
S 5	0 55 41	11°59'46	28°32	25°55	14° 2	12°30	14°21	23°37	8°41	16°16	1°22	13°53	12° 2	3°48	10° 1	S 5
M 6	0 59 37	12°59'09	10♍23	27°27	15°17	12°52	14°15	23°38	8°40	16°18	1°21	13°49	11°59	3°54	10° 6	M 6
T 7	1 3 34	13°58'35	22°13	29° 2	16°32	13°15	14° 9	23°38	8°39	16°20	1°20	13°43	11°56	4° 1	10°11	T 7
W 8	1 7 30	14°58'03	4♎ 2	0♎39	17°47	13°38	14° 3	23°39	8°38	16°22	1°19	13°34	11°52	4° 8	10°16	W 8
T 9	1 11 27	15°57'33	15°53	2°17	19° 2	14° 2	13°57	23°40	8°37	16°24	1°17	13°23	11°49	4°14	10°21	T 9
F 10	1 15 23	16°57'05	27°49	3°57	20°17	14°26	13°50	23°42	8°35	16°26	1°16	13°11	11°46	4°21	10°26	F 10
S 11	1 19 20	17°56'39	9♏49	5°38	21°32	14°50	13°44	23°43	8°34	16°28	1°15	12°58	11°43	4°28	10°31	S 11
S 12	1 23 16	18°56'15	21°55	7°19	22°47	15°15	13°37	23°44	8°33	16°30	1°14	12°47	11°40	4°35	10°36	S 12
M13	1 27 13	19°55'53	4♐10	9° 1	24° 2	15°41	13°30	23°46	8°31	16°32	1°13	12°37	11°37	4°41	10°41	M13
T 14	1 31 10	20°55'33	16°34	10°43	25°18	16° 7	13°23	23°47	8°30	16°34	1°12	12°29	11°33	4°48	10°47	T 14
W15	1 35 6	21°55'15	29°12	12°26	26°33	16°33	13°16	23°49	8°28	16°36	1°11	12°24	11°30	4°55	10°52	W15
T 16	1 39 3	22°54'59	12♑ 5	14° 8	27°48	17° 0	13° 9	23°51	8°27	16°38	1°10	12°22	11°27	5° 1	10°58	T 16
F 17	1 42 59	23°54'44	25°17	15°50	29° 3	17°27	13° 2	23°53	8°25	16°40	1° 9	12°D22	11°24	5° 8	11° 3	F 17
S 18	1 46 56	24°54'31	8♒52	17°32	0♏18	17°54	12°55	23°55	8°24	16°42	1° 8	12°R22	11°21	5°15	11° 9	S 18
S 19	1 50 52	25°54'19	22°51	19°14	1°33	18°22	12°47	23°57	8°22	16°43	1° 6	12°22	11°17	5°21	11°14	S 19
M20	1 54 49	26°54'10	7♓15	20°56	2°48	18°50	12°40	23°59	8°20	16°45	1° 5	12°20	11°14	5°28	11°20	M20
T 21	1 58 45	27°54'01	22° 2	22°37	4° 3	19°18	12°32	24° 1	8°19	16°47	1° 4	12°15	11°11	5°35	11°25	T 21
W22	2 2 42	28°53'55	7♈ 6	24°18	5°18	19°47	12°24	24° 3	8°17	16°49	1° 3	12° 8	11° 8	5°42	11°31	W22
T 23	2 6 39	29°53'50	22°19	25°58	6°34	20°16	12°16	24° 6	8°15	16°51	1° 2	11°58	11° 5	5°48	11°37	T 23
F 24	2 10 35	0♏53'48	7♉31	27°38	7°49	20°46	12° 9	24° 8	8°13	16°52	1° 1	11°47	11° 2	5°55	11°43	F 24
S 25	2 14 32	1°53'47	22°30	29°17	9° 4	21°16	12° 1	24°11	8°11	16°54	1° 0	11°35	10°58	6° 2	11°49	S 25
S 26	2 18 28	2°53'48	7♊ 7	0♏56	10°19	21°46	11°53	24°14	8° 9	16°56	0°58	11°25	10°55	6° 8	11°55	S 26
M27	2 22 25	3°53'52	21°17	2°35	11°34	22°16	11°45	24°17	8° 7	16°57	0°57	11°17	10°52	6°15	12° 1	M27
T 28	2 26 21	4°53'58	4♋56	4°13	12°49	22°46	11°37	24°19	8° 5	16°59	0°56	11°12	10°49	6°22	12° 7	T 28
W29	2 30 18	5°54'05	18° 6	5°50	14° 4	23°17	11°29	24°22	8° 3	17° 1	0°55	11° 9	10°46	6°28	12°13	W29
T 30	2 34 14	6°54'15	0♌50	7°28	15°20	23°48	11°20	24°26	8° 1	17° 2	0°54	11° 9	10°43	6°35	12°19	T 30
F 31	2 38 11	7♏54'27	13♌13	9♏ 4	16♏35	24♒20	11♉12	24♑29	7♊59	17♍ 4	0♉53	11♌ 9	10♌39	6♎42	12♐25	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	3s12	20n15	2s54	5n18	1n37	2s26	1n16	21s13	3s53	14n59	1s21	21s49	0s24	21n44	0s 5	6n28	1n 5	3s50	16s51	16n42	17n10	2n21	17s 0	5n 1	
T 2	3 35	19 47	1 54	4 54	1 43	2 56	1 15	21 3	3 49	14 58	1 22	21 49	0 24	21 43	0 5	6 28	1 5	3 51	16 51	16 42	17 11	2 18	17 1	5 0	
F 3	3 59	18 22	0 51	4 26	1 49	3 26	1 14	20 54	3 46	14 56	1 22	21 49	0 24	21 43	0 5	6 27	1 5	3 51	16 51	16 41	17 11	2 16	17 2	5 0	
S 4	4 22	16 8	0n14	3 56	1 53	3 57	1 12	20 44	3 42	14 54	1 22	21 49	0 24	21 43	0 5	6 26	1 5	3 52	16 51	16 41	17 12	2 14	17 3	5 0	
S 5	4 45	13 13	1 18	3 24	1 56	4 27	1 11	20 34	3 38	14 53	1 22	21 49	0 24	21 43	0 5	6 25	1 5	3 52	16 51	16 42	17 13	2 12	17 3	5 0	
M 6	5 8	9 48	2 17	2 49	1 57	4 57	1 10	20 24	3 34	14 51	1 22	21 49	0 24	21 43	0 5	6 25	1 5	3 52	16 52	16 43	17 14	2 10	17 4	4 59	
T 7	5 31	6 0	3 10	2 12	1 58	5 28	1 8	20 14	3 31	14 49	1 22	21 49	0 24	21 43	0 5	6 24	1 5	3 53	16 52	16 45	17 15	2 8	17 5	4 59	
W 8	5 54	1 59	3 54	1 33	1 59	5 58	1 7	20 4	3 27	14 47	1 22	21 49	0 24	21 43	0 5	6 23	1 5	3 53	16 52	16 47	17 16	2 6	17 6	4 59	
T 9	6 17	2s 8	4 29	0 54	1 58	6 28	1 6	19 54	3 23	14 45	1 22	21 48	0 24	21 42	0 5	6 22	1 5	3 54	16 52	16 50	17 17	2 3	17 7	4 59	
F 10	6 40	6 10	4 52	0 13	1 57	6 57	1 4	19 43	3 20	14 43	1 22	21 48	0 24	21 42	0 5	6 22	1 5	3 54	16 52	16 54	17 18	2 1	17 8	4 58	
S 11	7 3	10 0	5 2	0s29	1 54	7 27	1 2	19 32	3 16	14 41	1 22	21 48	0 24	21 42	0 5	6 21	1 5	3 55	16 52	16 57	17 19	1 59	17 9	4 58	
S 12	7 26	13 28	4 59	1 12	1 52	7 56	1 1	19 21	3 13	14 39	1 22	21 48	0 24	21 42	0 5	6 20	1 5	3 55	16 52	17 1	17 19	1 57	17 10	4 58	
M13	7 49	16 25	4 42	1 55	1 49	8 26	0 59	19 10	3 9	14 37	1 22	21 48	0 24	21 42	0 5	6 19	1 5	3 55	16 52	17 3	17 20	1 55	17 11	4 58	
T 14	8 11	18 39	4 11	2 39	1 45	8 55	0 57	18 59	3 6	14 35	1 22	21 47	0 24	21 41	0 5	6 19	1 5	3 56	16 52	17 6	17 21	1 53	17 12	4 58	
W15	8 33	20 1	3 28	3 22	1 41	9 24	0 56	18 48	3 2	14 33	1 22	21 47	0 24	21 41	0 5	6 18	1 5	3 56	16 52	17 7	17 22	1 50	17 13	4 57	
T 16	8 56	20 24	2 33	4 6	1 36	9 52	0 54	18 37	2 59	14 31	1 22	21 47	0 24	21 41	0 5	6 17	1 5	3 57	16 52	17 8	17 23	1 48	17 14	4 57	
F 17	9 18	19 40	1 29	4 50	1 32	10 21	0 52	18 25	2 55	14 28	1 22	21 47	0 25	21 41	0 5	6 16	1 5	3 57	16 52	17 8	17 24	1 46	17 15	4 57	
S 18	9 40	17 47	0 19	5 34	1 26	10 49	0 50	18 13	2 52	14 26	1 22	21 46	0 25	21 40	0 5	6 16	1 5	3 57	16 52	17 8	17 25	1 44	17 15	4 57	
S 19	10 2	14 48	0s55	6 18	1 21	11 17	0 48	18 2	2 49	14 24	1 22	21 46	0 25	21 40	0 5	6 15	1 5	3 58	16 52	17 8	17 26	1 42	17 16	4 57	
M20	10 23	10 51	2 8	7 1	1 15	11 45	0 46	17 50	2 45	14 22	1 22	21 46	0 25	21 40	0 5	6 14	1 5	3 58	16 52	17 8	17 26	1 40	17 17	4 56	
T 21	10 45	6 8	3 14	7 44	1 10	12 12	0 44	17 38	2 42	14 19	1 22	21 45	0 25	21 40	0 5	6 14	1 5	3 59	16 52	17 10	17 27	1 37	17 18	4 56	
W22	11 6	0 57	4 7	8 27	1 4	12 39	0 42	17 26	2 39	14 17	1 22	21 45	0 25	21 39	0 5	6 13	1 5	3 59	16 52	17 12	17 28	1 35	17 19	4 56	
T 23	11 28	4n19	4 44	9 10	0 57	13 6	0 40	17 13	2 36	14 15	1 22	21 45	0 25	21 39	0 5	6 12	1 5	3 59	16 52	17 14	17 29	1 33	17 20	4 56	
F 24	11 49	9 19	5 0	9 51	0 51	13 33	0 38	17 1	2 33	14 12	1 22	21 44	0 25	21 39	0 5	6 12	1 5	4 0	16 52	17 17	17 30	1 31	17 21	4 56	
S 25	12 9	13 40	4 55	10 33	0 45	13 59	0 36	16 48	2 30	14 10	1 22	21 44	0 25	21 38	0 5	6 11	1 5	4 0	16 52	17 21	17 31	1 29	17 22	4 56	
S 26	12 30	17 5	4 31	11 14	0 38	14 25	0 33	16 36	2 27	14 7	1 22	21 43	0 25	21 38	0 5	6 11	1 5	4 0	16 52	17 23	17 32	1 26	17 23	4 56	
M27	12 51	19 21	3 51	11 54	0 31	14 50	0 31	16 23	2 24	14 5	1 22	21 43	0 25	21 38	0 5	6 10	1 5	4 1	16 52	17 26	17 33	1 24	17 24	4 55	
T 28	13 11	20 25	2 59	12 34	0 25	15 15	0 29	16 10	2 21	14 3	1 22	21 42	0 25	21 38	0 5	6 9	1 5	4 1	16 52	17 27	17 33	1 22	17 25	4 55	
W29	13 31	20 18	1 59	13 13	0 18	15 40	0 27	15 57	2 18	14 0	1 22	21 42	0 25	21 37	0 5	6 9	1 6	4 1	16 52	17 28	17 34	1 20	17 25	4 55	
T 30	13 51	19 8	0 54	13 51	0 11	16 5	0 24	15 44	2 15	13 58	1 22	21 41	0 25	21 37	0 5	6 8	1 6	4 2	16 52	17 28	17 35	1 18	17 26	4 55	
F 31	14s10	17n 4	0n11	14s28	0n 5	16s28	0n22	15s31	2s12	13n55	1s22	21s41	0s25	21n37	0s 5	6n 8	1n 6	4s 2	16s52	17n28	17n36	1n15	17s27	4n55	

Julian Day Number = 2308643.5, Delta T = 78.06 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'47, Lahiri = 18°23'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1608
geocentric

NOVEMBER 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 42 8	8♏54'41	25♌19	10♏41	17♏50	24♒52	11°R 4	24♑32	7°R57	17♍ 5	0°R52	11°R 8	10♌36	6♎49	12♐31	S 1
S 2	2 46 4	9°54'57	7♍15	12°17	19° 5	25°23	10♉56	24°35	7♊55	17° 7	0♉51	11♌ 6	10°33	6°55	12°37	S 2
M 3	2 50 1	10°55'15	19° 5	13°52	20°20	25°56	10°48	24°39	7°53	17° 8	0°49	11° 2	10°30	7° 2	12°44	M 3
T 4	2 53 57	11°55'35	0♎53	15°28	21°35	26°28	10°40	24°42	7°51	17°10	0°48	10°54	10°27	7° 9	12°50	T 4
W 5	2 57 54	12°55'57	12°44	17° 3	22°51	27° 1	10°31	24°46	7°48	17°11	0°47	10°44	10°23	7°15	12°56	W 5
T 6	3 1 50	13°56'20	24°40	18°37	24° 6	27°33	10°23	24°50	7°46	17°13	0°46	10°31	10°20	7°22	13° 3	T 6
F 7	3 5 47	14°56'46	6♏42	20°11	25°21	28° 6	10°15	24°53	7°44	17°14	0°45	10°17	10°17	7°29	13° 9	F 7
S 8	3 9 43	15°57'13	18°52	21°45	26°36	28°40	10° 7	24°57	7°42	17°15	0°44	10° 2	10°14	7°35	13°16	S 8
S 9	3 13 40	16°57'42	1♐12	23°19	27°51	29°13	9°59	25° 1	7°39	17°17	0°43	9°48	10°11	7°42	13°22	S 9
M10	3 17 36	17°58'12	13°40	24°53	29° 7	29°47	9°51	25° 5	7°37	17°18	0°42	9°36	10° 8	7°49	13°29	M10
T 11	3 21 33	18°58'44	26°18	26°26	0♐22	0♓21	9°43	25° 9	7°35	17°19	0°41	9°27	10° 4	7°56	13°35	T 11
W12	3 25 30	19°59'17	9♑ 7	27°59	1°37	0°55	9°35	25°14	7°32	17°21	0°40	9°21	10° 1	8° 2	13°42	W12
T 13	3 29 26	20°59'52	22° 8	29°32	2°52	1°29	9°27	25°18	7°30	17°22	0°39	9°18	9°58	8° 9	13°48	T 13
F 14	3 33 23	22° 0'28	5♒23	1♐ 4	4° 7	2° 4	9°19	25°22	7°27	17°23	0°38	9°D17	9°55	8°16	13°55	F 14
S 15	3 37 19	23° 1'05	18°54	2°37	5°23	2°38	9°12	25°27	7°25	17°24	0°37	9°R17	9°52	8°22	14° 2	S 15
S 16	3 41 16	24° 1'43	2♓43	4° 9	6°38	3°13	9° 4	25°31	7°23	17°25	0°36	9°17	9°49	8°29	14° 8	S 16
M17	3 45 12	25° 2'22	16°52	5°41	7°53	3°48	8°56	25°36	7°20	17°26	0°35	9°15	9°45	8°36	14°15	M17
T 18	3 49 9	26° 3'03	1♈19	7°12	9° 8	4°23	8°49	25°40	7°18	17°27	0°33	9°11	9°42	8°42	14°22	T 18
W19	3 53 5	27° 3'44	16° 1	8°44	10°23	4°59	8°42	25°45	7°15	17°28	0°32	9° 4	9°39	8°49	14°28	W19
T 20	3 57 2	28° 4'27	0♉53	10°15	11°38	5°34	8°34	25°50	7°13	17°29	0°31	8°55	9°36	8°56	14°35	T 20
F 21	4 0 59	29° 5'10	15°46	11°46	12°53	6°10	8°27	25°55	7°10	17°30	0°31	8°44	9°33	9° 3	14°42	F 21
S 22	4 4 55	0♐ 5'56	0♊32	13°17	14° 9	6°45	8°20	26° 0	7° 8	17°31	0°30	8°33	9°29	9° 9	14°49	S 22
S 23	4 8 52	1° 6'42	15° 2	14°48	15°24	7°21	8°13	26° 5	7° 5	17°32	0°29	8°23	9°26	9°16	14°55	S 23
M24	4 12 48	2° 7'30	29°10	16°18	16°39	7°57	8° 6	26°10	7° 3	17°33	0°28	8°15	9°23	9°23	15° 2	M24
T 25	4 16 45	3° 8'19	12♋51	17°48	17°54	8°33	8° 0	26°15	7° 0	17°34	0°27	8°10	9°20	9°29	15° 9	T 25
W26	4 20 41	4° 9'09	26° 5	19°17	19° 9	9°10	7°53	26°20	6°58	17°35	0°26	8° 7	9°17	9°36	15°16	W26
T 27	4 24 38	5°10'01	8♌54	20°47	20°24	9°46	7°47	26°25	6°55	17°36	0°25	8°D 7	9°14	9°43	15°23	T 27
F 28	4 28 35	6°10'54	21°21	22°15	21°39	10°23	7°40	26°31	6°52	17°36	0°24	8° 7	9°10	9°49	15°30	F 28
S 29	4 32 31	7°11'49	3♍31	23°43	22°55	10°59	7°34	26°36	6°50	17°37	0°23	8°R 8	9° 7	9°56	15°37	S 29
S 30	4 36 28	8♐12'44	15♍28	25♐11	24♐10	11♓36	7♉28	26♑41	6♊47	17♍38	0♉22	8♌ 8	9♌ 4	10♎ 3	15♐44	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s30	14n16	1n14	15s 5	0s 2	16s52	0n20	15s17	2s 9	13n53	1s22	21s40	0s25	21n36	0s 5	6n 7	1n 6	4s 2	16s52	17n28	17n37	1n13	17s28	4n55
S 2	14 49	10 56	2 13	15 41	0 9	17 15	0 17	15 4	2 6	13 50	1 22	21 40	0 25	21 36	0 5	6 6	1 6	4 3	16 52	17 29	17 38	1 11	17 29	4 55
M 3	15 8	7 11	3 6	16 17	0 15	17 38	0 15	14 50	2 3	13 48	1 22	21 39	0 25	21 36	0 5	6 6	1 6	4 3	16 52	17 30	17 39	1 9	17 30	4 55
T 4	15 27	3 10	3 51	16 51	0 22	18 0	0 13	14 37	2 1	13 46	1 22	21 38	0 25	21 35	0 5	6 5	1 6	4 3	16 52	17 32	17 39	1 7	17 31	4 55
W 5	15 45	0s58	4 25	17 25	0 29	18 21	0 10	14 23	1 58	13 43	1 22	21 38	0 25	21 35	0 5	6 5	1 6	4 3	16 52	17 35	17 40	1 5	17 32	4 55
T 6	16 3	5 6	4 48	17 58	0 35	18 42	0 8	14 9	1 55	13 41	1 21	21 37	0 25	21 35	0 5	6 4	1 6	4 4	16 52	17 38	17 41	1 2	17 32	4 54
F 7	16 21	9 4	4 59	18 30	0 41	19 3	0 5	13 55	1 53	13 38	1 21	21 37	0 25	21 34	0 5	6 4	1 6	4 4	16 51	17 42	17 42	1 0	17 33	4 54
S 8	16 39	12 43	4 56	19 1	0 48	19 23	0 3	13 41	1 50	13 36	1 21	21 36	0 25	21 34	0 5	6 3	1 6	4 4	16 51	17 46	17 43	0 58	17 34	4 54
S 9	16 56	15 53	4 39	19 31	0 54	19 43	0 1	13 27	1 47	13 33	1 21	21 35	0 25	21 33	0 5	6 3	1 6	4 5	16 51	17 50	17 44	0 56	17 35	4 54
M10	17 13	18 22	4 9	20 0	1 0	20 2	0s 2	13 12	1 45	13 31	1 21	21 35	0 25	21 33	0 5	6 2	1 6	4 5	16 51	17 53	17 45	0 54	17 36	4 54
T 11	17 30	20 0	3 26	20 28	1 6	20 20	0 4	12 58	1 42	13 29	1 21	21 34	0 25	21 33	0 5	6 2	1 6	4 5	16 51	17 55	17 45	0 51	17 37	4 54
W12	17 46	20 39	2 32	20 55	1 12	20 38	0 7	12 44	1 40	13 26	1 21	21 33	0 26	21 32	0 5	6 1	1 6	4 5	16 51	17 57	17 46	0 49	17 37	4 54
T 13	18 3	20 12	1 30	21 21	1 18	20 56	0 9	12 29	1 37	13 24	1 21	21 32	0 26	21 32	0 5	6 1	1 6	4 5	16 51	17 58	17 47	0 47	17 38	4 54
F 14	18 18	18 38	0 21	21 46	1 23	21 12	0 12	12 14	1 35	13 22	1 20	21 32	0 26	21 32	0 4	6 1	1 6	4 6	16 51	17 58	17 48	0 45	17 39	4 54
S 15	18 34	16 0	0s51	22 11	1 29	21 28	0 14	12 0	1 33	13 19	1 20	21 31	0 26	21 31	0 4	6 0	1 6	4 6	16 50	17 58	17 49	0 42	17 40	4 54
S 16	18 49	12 24	2 1	22 33	1 34	21 44	0 17	11 45	1 30	13 17	1 20	21 30	0 26	21 31	0 4	6 0	1 6	4 6	16 50	17 58	17 50	0 40	17 41	4 54
M17	19 4	8 2	3 5	22 55	1 39	21 59	0 19	11 30	1 28	13 15	1 20	21 29	0 26	21 30	0 4	5 59	1 6	4 6	16 50	17 59	17 51	0 38	17 41	4 54
T 18	19 18	3 8	3 59	23 16	1 44	22 13	0 21	11 15	1 25	13 13	1 20	21 28	0 26	21 30	0 4	5 59	1 6	4 6	16 50	18 0	17 51	0 36	17 42	4 54
W19	19 33	2n 2	4 38	23 35	1 49	22 27	0 24	11 0	1 23	13 10	1 19	21 28	0 26	21 30	0 4	5 59	1 6	4 7	16 50	18 2	17 52	0 34	17 43	4 54
T 20	19 46	7 8	4 59	23 54	1 53	22 40	0 26	10 45	1 21	13 8	1 19	21 27	0 26	21 29	0 4	5 58	1 6	4 7	16 50	18 4	17 53	0 31	17 44	4 54
F 21	20 0	11 49	5 0	24 11	1 57	22 52	0 29	10 29	1 19	13 6	1 19	21 26	0 26	21 29	0 4	5 58	1 6	4 7	16 49	18 7	17 54	0 29	17 44	4 54
S 22	20 13	15 44	4 40	24 26	2 1	23 4	0 31	10 14	1 16	13 4	1 19	21 25	0 26	21 28	0 4	5 58	1 6	4 7	16 49	18 10	17 55	0 27	17 45	4 54
S 23	20 25	18 37	4 3	24 41	2 5	23 14	0 34	9 59	1 14	13 2	1 19	21 24	0 26	21 28	0 4	5 57	1 7	4 7	16 49	18 12	17 56	0 25	17 46	4 54
M24	20 38	20 18	3 12	24 54	2 8	23 25	0 36	9 43	1 12	13 0	1 18	21 23	0 26	21 27	0 4	5 57	1 7	4 7	16 49	18 14	17 57	0 23	17 46	4 54
T 25	20 50	20 42	2 10	25 6	2 11	23 34	0 38	9 28	1 10	12 58	1 18	21 22	0 26	21 27	0 4	5 57	1 7	4 7	16 49	18 16	17 57	0 20	17 47	4 54
W26	21 1	19 56	1 4	25 16	2 14	23 43	0 41	9 12	1 8	12 56	1 18	21 21	0 26	21 27	0 4	5 56	1 7	4 8	16 48	18 16	17 58	0 18	17 48	4 54
T 27	21 12	18 8	0n 4	25 25	2 16	23 51	0 43	8 56	1 6	12 54	1 18	21 20	0 26	21 26	0 4	5 56	1 7	4 8	16 48	18 17	17 59	0 16	17 48	4 54
F 28	21 23	15 31	1 10	25 33	2 18	23 59	0 45	8 41	1 4	12 53	1 18	21 19	0 26	21 26	0 4	5 56	1 7	4 8	16 48	18 16	18 0	0 14	17 49	4 54
S 29	21 33	12 17	2 11	25 39	2 19	24 5	0 47	8 25	1 2	12 51	1 17	21 18	0 26	21 25	0 4	5 56	1 7	4 8	16 48	18 16	18 1	0 11	17 50	4 54
S 30	21s43	8n36	3n 6	25s44	2s20	24s11	0s50	8s 9	1s 0	12n49	1s17	21s17	0s26	21n25	0s 4	5n55	1n 7	4s 8	16s48	18n16	18n 2	0n 9	17s50	4n55

Julian Day Number = 2308674.5, Delta T = 77.97 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'51, Lahiri = 18°23'52Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1608
geocentric

DECEMBER 1608 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 40 24	9♐13'41	27♍19	26♐38	25♐25	12♓13	7°R22	26♑47	6°R45	17♍38	0°R21	8°R 6	9♌ 1	10♎10	15♐50	M 1
T 2	4 44 21	10°14'40	9♎ 9	28° 3	26°40	12°50	7♉17	26°53	6♊42	17°39	0♉21	8♌ 1	8°58	10°16	15°57	T 2
W 3	4 48 17	11°15'39	21° 2	29°28	27°55	13°27	7°11	26°58	6°40	17°40	0°20	7°55	8°55	10°23	16° 4	W 3
T 4	4 52 14	12°16'39	3♏ 2	0♑52	29°10	14° 4	7° 6	27° 4	6°37	17°40	0°19	7°46	8°51	10°30	16°11	T 4
F 5	4 56 10	13°17'41	15°11	2°14	0♑25	14°41	7° 1	27°10	6°35	17°41	0°18	7°35	8°48	10°36	16°18	F 5
S 6	5 0 7	14°18'44	27°32	3°34	1°40	15°18	6°55	27°15	6°32	17°41	0°17	7°25	8°45	10°43	16°25	S 6
S 7	5 4 4	15°19'47	10♐ 6	4°53	2°56	15°56	6°51	27°21	6°30	17°42	0°17	7°15	8°42	10°50	16°32	S 7
M 8	5 8 0	16°20'52	22°52	6° 9	4°11	16°33	6°46	27°27	6°27	17°42	0°16	7° 6	8°39	10°57	16°39	M 8
T 9	5 11 57	17°21'57	5♑50	7°22	5°26	17°11	6°41	27°33	6°25	17°42	0°15	6°59	8°35	11° 3	16°46	T 9
W10	5 15 53	18°23'02	19° 0	8°32	6°41	17°49	6°37	27°39	6°22	17°43	0°14	6°55	8°32	11°10	16°53	W10
T 11	5 19 50	19°24'09	2♒20	9°39	7°56	18°26	6°33	27°45	6°20	17°43	0°14	6°D54	8°29	11°17	17° 0	T 11
F 12	5 23 46	20°25'15	15°52	10°41	9°11	19° 4	6°29	27°52	6°17	17°43	0°13	6°54	8°26	11°23	17° 6	F 12
S 13	5 27 43	21°26'22	29°33	11°39	10°26	19°42	6°25	27°58	6°15	17°44	0°12	6°55	8°23	11°30	17°13	S 13
S 14	5 31 39	22°27'29	13♓26	12°30	11°41	20°20	6°22	28° 4	6°12	17°44	0°12	6°56	8°20	11°37	17°20	S 14
M15	5 35 36	23°28'37	27°28	13°16	12°56	20°58	6°18	28°10	6°10	17°44	0°11	6°R57	8°16	11°44	17°27	M15
T 16	5 39 33	24°29'44	11♈41	13°54	14°11	21°37	6°15	28°16	6° 8	17°44	0°11	6°55	8°13	11°50	17°34	T 16
W17	5 43 29	25°30'52	26° 1	14°24	15°26	22°15	6°12	28°23	6° 5	17°44	0°10	6°52	8°10	11°57	17°41	W17
T 18	5 47 26	26°31'59	10♉26	14°45	16°41	22°53	6°10	28°29	6° 3	17°44	0° 9	6°47	8° 7	12° 4	17°48	T 18
F 19	5 51 22	27°33'07	24°50	14°56	17°56	23°32	6° 7	28°36	6° 1	17°44	0° 9	6°41	8° 4	12°10	17°55	F 19
S 20	5 55 19	28°34'15	9♊ 9	14°R56	19°11	24°10	6° 5	28°42	5°58	17°R44	0° 8	6°34	8° 1	12°17	18° 1	S 20
S 21	5 59 15	29°35'24	23°16	14°45	20°26	24°48	6° 3	28°49	5°56	17°44	0° 8	6°28	7°57	12°24	18° 8	S 21
M22	6 3 12	0♑36'32	7♋ 7	14°23	21°41	25°27	6° 1	28°55	5°54	17°44	0° 7	6°24	7°54	12°30	18°15	M22
T 23	6 7 8	1°37'41	20°38	13°48	22°56	26° 6	5°59	29° 2	5°52	17°44	0° 7	6°21	7°51	12°37	18°22	T 23
W24	6 11 5	2°38'50	3♌47	13° 2	24°11	26°44	5°57	29° 8	5°49	17°44	0° 6	6°D20	7°48	12°44	18°29	W24
T 25	6 15 2	3°39'59	16°35	12° 5	25°26	27°23	5°56	29°15	5°47	17°44	0° 6	6°20	7°45	12°51	18°35	T 25
F 26	6 18 58	4°41'09	29° 4	10°59	26°41	28° 2	5°55	29°22	5°45	17°44	0° 6	6°22	7°41	12°57	18°42	F 26
S 27	6 22 55	5°42'19	11♍17	9°46	27°56	28°40	5°54	29°28	5°43	17°43	0° 5	6°24	7°38	13° 4	18°49	S 27
S 28	6 26 51	6°43'29	23°17	8°27	29°11	29°19	5°53	29°35	5°41	17°43	0° 5	6°25	7°35	13°11	18°55	S 28
M29	6 30 48	7°44'39	5♎11	7° 6	0♒25	29°58	5°53	29°42	5°39	17°43	0° 4	6°R26	7°32	13°17	19° 2	M29
T 30	6 34 44	8°45'50	17° 2	5°46	1°40	0♈37	5°52	29°49	5°37	17°43	0° 4	6°26	7°29	13°24	19° 9	T 30
W31	6 38 41	9♑47'00	28♎56	4♑28	2♒55	1♈16	5°D52	29♑56	5♊35	17♍42	0♉ 4	6♌24	7♌26	13♎31	19♐15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s53	4n37	3n52	25s47	2s21	24s16	0s52	7s53	0s58	12n47	1s17	21s16	0s26	21n25	0s 4	5n55	1n 7	4s 8	16s47	18n17	18n 2	0n 7	17s51	4n55
T 2	22 2	0 28	4 28	25 49	2 21	24 21	0 54	7 37	0 56	12 46	1 17	21 15	0 26	21 24	0 4	5 55	1 7	4 8	16 47	18 18	18 3	0 5	17 52	4 55
W 3	22 10	3s43	4 52	25 50	2 20	24 24	0 56	7 21	0 54	12 44	1 16	21 14	0 26	21 24	0 4	5 55	1 7	4 8	16 47	18 20	18 4	0 2	17 52	4 55
T 4	22 19	7 47	5 4	25 48	2 19	24 27	0 58	7 5	0 52	12 43	1 16	21 13	0 26	21 23	0 4	5 55	1 7	4 8	16 47	18 22	18 5	0 0	17 53	4 55
F 5	22 26	11 36	5 2	25 46	2 18	24 29	1 0	6 49	0 50	12 41	1 16	21 12	0 26	21 23	0 4	5 54	1 7	4 8	16 46	18 25	18 6	0s 2	17 53	4 55
S 6	22 34	15 0	4 47	25 42	2 15	24 31	1 2	6 33	0 48	12 40	1 16	21 11	0 26	21 22	0 4	5 54	1 7	4 8	16 46	18 27	18 7	0 4	17 54	4 55
S 7	22 41	17 46	4 17	25 36	2 12	24 31	1 4	6 16	0 46	12 39	1 15	21 10	0 27	21 22	0 4	5 54	1 7	4 8	16 46	18 30	18 7	0 6	17 55	4 55
M 8	22 47	19 44	3 34	25 29	2 8	24 31	1 6	6 0	0 45	12 37	1 15	21 9	0 27	21 22	0 4	5 54	1 7	4 8	16 45	18 32	18 8	0 9	17 55	4 55
T 9	22 53	20 43	2 39	25 20	2 4	24 31	1 8	5 44	0 43	12 36	1 15	21 8	0 27	21 21	0 4	5 54	1 7	4 8	16 45	18 34	18 9	0 11	17 56	4 56
W10	22 59	20 34	1 35	25 11	1 58	24 29	1 10	5 27	0 41	12 35	1 14	21 7	0 27	21 21	0 4	5 54	1 7	4 8	16 45	18 35	18 10	0 13	17 56	4 56
T 11	23 4	19 17	0 25	24 59	1 52	24 27	1 12	5 11	0 39	12 34	1 14	21 5	0 27	21 20	0 4	5 54	1 7	4 8	16 45	18 35	18 11	0 15	17 57	4 56
F 12	23 9	16 53	0s48	24 47	1 44	24 23	1 13	4 55	0 38	12 33	1 14	21 4	0 27	21 20	0 4	5 54	1 7	4 8	16 44	18 35	18 12	0 18	17 57	4 56
S 13	23 13	13 31	1 59	24 34	1 35	24 20	1 15	4 38	0 36	12 32	1 14	21 3	0 27	21 20	0 4	5 54	1 7	4 8	16 44	18 35	18 12	0 20	17 58	4 56
S 14	23 16	9 22	3 5	24 19	1 26	24 15	1 17	4 22	0 34	12 31	1 13	21 2	0 27	21 19	0 4	5 54	1 8	4 8	16 44	18 35	18 13	0 22	17 58	4 56
M15	23 20	4 40	3 59	24 4	1 15	24 10	1 18	4 5	0 33	12 30	1 13	21 1	0 27	21 19	0 4	5 54	1 8	4 8	16 44	18 35	18 14	0 24	17 58	4 56
T 16	23 22	0n20	4 40	23 48	1 3	24 3	1 20	3 49	0 31	12 29	1 13	20 59	0 27	21 18	0 4	5 54	1 8	4 8	16 43	18 35	18 15	0 27	17 59	4 57
W17	23 25	5 21	5 4	23 32	0 49	23 57	1 21	3 32	0 29	12 29	1 12	20 58	0 27	21 18	0 4	5 54	1 8	4 8	16 43	18 36	18 16	0 29	17 59	4 57
T 18	23 27	10 5	5 9	23 15	0 35	23 49	1 23	3 15	0 28	12 28	1 12	20 57	0 27	21 18	0 4	5 54	1 8	4 8	16 43	18 37	18 17	0 31	18 0	4 57
F 19	23 28	14 15	4 54	22 58	0 19	23 41	1 24	2 59	0 26	12 27	1 12	20 56	0 27	21 17	0 4	5 54	1 8	4 7	16 42	18 38	18 17	0 33	18 0	4 57
S 20	23 29	17 34	4 21	22 41	0 2	23 32	1 26	2 42	0 25	12 27	1 12	20 54	0 27	21 17	0 4	5 54	1 8	4 7	16 42	18 40	18 18	0 36	18 1	4 57
S 21	23 29	19 46	3 33	22 24	0n16	23 22	1 27	2 25	0 23	12 27	1 11	20 53	0 27	21 16	0 4	5 54	1 8	4 7	16 42	18 42	18 19	0 38	18 1	4 58
M22	23 29	20 46	2 32	22 8	0 35	23 11	1 28	2 9	0 22	12 26	1 11	20 52	0 27	21 16	0 4	5 54	1 8	4 7	16 41	18 43	18 20	0 40	18 1	4 58
T 23	23 29	20 30	1 25	21 52	0 54	23 0	1 29	1 52	0 20	12 26	1 11	20 50	0 27	21 16	0 4	5 54	1 8	4 7	16 41	18 43	18 21	0 42	18 2	4 58
W24	23 28	19 7	0 14	21 37	1 14	22 48	1 30	1 35	0 19	12 26	1 10	20 49	0 27	21 15	0 4	5 54	1 8	4 7	16 41	18 44	18 21	0 45	18 2	4 58
T 25	23 26	16 47	0n56	21 23	1 34	22 36	1 31	1 18	0 17	12 26	1 10	20 48	0 27	21 15	0 4	5 54	1 8	4 7	16 40	18 44	18 22	0 47	18 2	4 59
F 26	23 24	13 43	2 1	21 10	1 53	22 22	1 32	1 2	0 16	12 25	1 10	20 46	0 27	21 15	0 4	5 54	1 8	4 6	16 40	18 43	18 23	0 49	18 3	4 59
S 27	23 22	10 7	3 0	20 58	2 11	22 9	1 33	0 45	0 14	12 25	1 9	20 45	0 28	21 14	0 4	5 54	1 8	4 6	16 40	18 43	18 24	0 51	18 3	4 59
S 28	23 19	6 11	3 49	20 46	2 27	21 54	1 34	0 28	0 13	12 25	1 9	20 44	0 28	21 14	0 4	5 55	1 8	4 6	16 39	18 42	18 25	0 54	18 3	4 59
M29	23 16	2 3	4 28	20 37	2 42	21 39	1 35	0 12	0 12	12 26	1 9	20 42	0 28	21 13	0 4	5 55	1 8	4 6	16 39	18 42	18 26	0 56	18 3	5 0
T 30	23 12	2s 9	4 56	20 28	2 54	21 23	1 36	0n 5	0 10	12 26	1 8	20 41	0 28	21 13	0 4	5 55	1 8	4 6	16 39	18 42	18 26	0 58	18 4	5 0
W31	23s 8	6s16	5n11	20s21	3n 4	21s 7	1s36	0n22	0s 9	12n26	1s 8	20s40	0s28	21n13	0s 4	5n55	1n 8	4s 5	16s38	18n43	18n27	1s 0	18s 4	5n 0

Julian Day Number = 2308704.5, Delta T = 77.88 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°16'56, Lahiri = 18°23'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

JANUARY 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 42 37	10♑48'11	10♏58	3°R15	4♒10	1♈55	5♉53	0♒ 3	5°R33	17°R42	0°R 4	6°R21	7♌22	13♎38	19♐22	T 1
F 2	6 46 34	11°49'22	23°10	2♑ 8	5°25	2°34	5°53	0° 9	5♊31	17♍41	0♉ 3	6♌18	7°19	13°44	19°28	F 2
S 3	6 50 31	12°50'33	5♐38	1°11	6°39	3°13	5°53	0°16	5°29	17°41	0° 3	6°14	7°16	13°51	19°35	S 3
S 4	6 54 27	13°51'44	18°22	0°22	7°54	3°52	5°54	0°23	5°27	17°40	0° 3	6°10	7°13	13°58	19°41	S 4
M 5	6 58 24	14°52'55	1♑23	29♐43	9° 9	4°31	5°55	0°30	5°25	17°40	0° 3	6° 7	7°10	14° 4	19°48	M 5
T 6	7 2 20	15°54'05	14°42	29°14	10°24	5°10	5°56	0°37	5°24	17°39	0° 2	6° 4	7° 7	14°11	19°54	T 6
W 7	7 6 17	16°55'15	28°16	28°55	11°38	5°49	5°58	0°44	5°22	17°39	0° 2	6° 3	7° 3	14°18	20° 1	W 7
T 8	7 10 13	17°56'25	12♒ 4	28°45	12°53	6°29	5°59	0°51	5°20	17°38	0° 2	6°D 3	7° 0	14°25	20° 7	T 8
F 9	7 14 10	18°57'34	26° 2	28°D44	14° 8	7° 8	6° 1	0°58	5°19	17°37	0° 2	6° 4	6°57	14°31	20°13	F 9
S 10	7 18 7	19°58'43	10♓ 8	28°51	15°22	7°47	6° 3	1° 5	5°17	17°37	0° 2	6° 5	6°54	14°38	20°20	S 10
S 11	7 22 3	20°59'50	24°18	29° 6	16°37	8°26	6° 5	1°12	5°15	17°36	0° 2	6° 6	6°51	14°45	20°26	S 11
M12	7 26 0	22° 0'57	8♈30	29°28	17°52	9° 6	6° 8	1°19	5°14	17°35	0° 2	6° 7	6°47	14°51	20°32	M12
T 13	7 29 56	23° 2'03	22°42	29°56	19° 6	9°45	6°10	1°27	5°12	17°34	0°D 2	6°R 7	6°44	14°58	20°38	T 13
W14	7 33 53	24° 3'08	6♉51	0♑31	20°21	10°24	6°13	1°34	5°11	17°34	0° 2	6° 7	6°41	15° 5	20°44	W14
T 15	7 37 49	25° 4'11	20°55	1°10	21°35	11° 4	6°16	1°41	5°10	17°33	0° 2	6° 6	6°38	15°12	20°50	T 15
F 16	7 41 46	26° 5'15	4♊53	1°54	22°49	11°43	6°19	1°48	5° 8	17°32	0° 2	6° 5	6°35	15°18	20°56	F 16
S 17	7 45 42	27° 6'17	18°41	2°42	24° 4	12°23	6°23	1°55	5° 7	17°31	0° 2	6° 4	6°32	15°25	21° 2	S 17
S 18	7 49 39	28° 7'18	2♋19	3°34	25°18	13° 2	6°26	2° 2	5° 6	17°30	0° 2	6° 3	6°28	15°32	21° 8	S 18
M19	7 53 36	29° 8'18	15°43	4°30	26°33	13°41	6°30	2° 9	5° 4	17°29	0° 2	6° 2	6°25	15°38	21°14	M19
T 20	7 57 32	0♒ 9'17	28°53	5°29	27°47	14°21	6°34	2°16	5° 3	17°28	0° 2	6° 2	6°22	15°45	21°20	T 20
W21	8 1 29	1°10'16	11♌48	6°31	29° 1	15° 0	6°38	2°24	5° 2	17°27	0° 2	6°D 2	6°19	15°52	21°26	W21
T 22	8 5 25	2°11'13	24°27	7°35	0♓15	15°40	6°42	2°31	5° 1	17°26	0° 3	6° 2	6°16	15°59	21°32	T 22
F 23	8 9 22	3°12'10	6♍51	8°41	1°30	16°19	6°47	2°38	5° 0	17°25	0° 3	6° 2	6°13	16° 5	21°37	F 23
S 24	8 13 18	4°13'06	19° 2	9°50	2°44	16°59	6°52	2°45	4°59	17°24	0° 3	6° 3	6° 9	16°12	21°43	S 24
S 25	8 17 15	5°14'01	1♎ 4	11° 1	3°58	17°38	6°56	2°52	4°58	17°23	0° 3	6° 3	6° 6	16°19	21°48	S 25
M26	8 21 11	6°14'55	12°58	12°14	5°12	18°18	7° 1	2°59	4°57	17°22	0° 4	6°R 3	6° 3	16°25	21°54	M26
T 27	8 25 8	7°15'48	24°50	13°28	6°26	18°57	7° 7	3° 6	4°56	17°20	0° 4	6° 3	6° 0	16°32	21°59	T 27
W28	8 29 4	8°16'40	6♏44	14°44	7°40	19°37	7°12	3°14	4°56	17°19	0° 4	6°D 3	5°57	16°39	22° 5	W28
T 29	8 33 1	9°17'32	18°44	16° 2	8°54	20°16	7°18	3°21	4°55	17°18	0° 5	6° 3	5°53	16°46	22°10	T 29
F 30	8 36 58	10°18'23	0♐56	17°20	10° 8	20°56	7°23	3°28	4°54	17°17	0° 5	6° 3	5°50	16°52	22°16	F 30
S 31	8 40 54	11♒19'13	13♐23	18♑41	11♓22	21♈35	7♉29	3♒35	4♊54	17♍16	0♉ 5	6♌ 3	5♌47	16♎59	22♐21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23s 3	10s11	5n13	20s16	3n11	20s50	1s37	0n39	0s 8	12n26	1s 8	20s38	0s28	21n12	0s 4	5n55	1n 8	4s 5	16s38	18n43	18n28	1s 3	18s 4	5n 0	
F 2	22 58	13 45	5 0	20 12	3 16	20 32	1 37	0 55	0 6	12 27	1 8	20 37	0 28	21 12	0 4	5 55	1 8	4 5	16 38	18 44	18 29	1 5	18 4	5 1	
S 3	22 52	16 48	4 34	20 10	3 19	20 14	1 38	1 12	0 5	12 27	1 7	20 35	0 28	21 12	0 4	5 56	1 8	4 5	16 37	18 45	18 30	1 7	18 5	5 1	
S 4	22 46	19 6	3 53	20 10	3 19	19 55	1 38	1 29	0 4	12 28	1 7	20 34	0 28	21 11	0 4	5 56	1 9	4 4	16 37	18 46	18 30	1 10	18 5	5 1	
M 5	22 39	20 29	3 0	20 12	3 17	19 35	1 39	1 46	0 3	12 28	1 7	20 32	0 28	21 11	0 4	5 56	1 9	4 4	16 37	18 47	18 31	1 12	18 5	5 2	
T 6	22 32	20 46	1 55	20 15	3 14	19 15	1 39	2 2	0 1	12 29	1 6	20 31	0 28	21 11	0 4	5 56	1 9	4 4	16 36	18 48	18 32	1 14	18 5	5 2	
W 7	22 25	19 51	0 43	20 20	3 9	18 55	1 39	2 19	0 0	12 30	1 6	20 30	0 28	21 11	0 4	5 57	1 9	4 4	16 36	18 48	18 33	1 16	18 5	5 2	
T 8	22 17	17 45	0s33	20 26	3 3	18 34	1 39	2 36	0n 1	12 31	1 6	20 28	0 28	21 10	0 4	5 57	1 9	4 3	16 36	18 48	18 34	1 19	18 5	5 3	
F 9	22 9	14 34	1 48	20 33	2 56	18 12	1 39	2 52	0 2	12 32	1 5	20 27	0 28	21 10	0 4	5 57	1 9	4 3	16 35	18 48	18 34	1 21	18 5	5 3	
S 10	22 0	10 31	2 57	20 41	2 48	17 50	1 39	3 9	0 3	12 32	1 5	20 25	0 28	21 10	0 4	5 58	1 9	4 3	16 35	18 47	18 35	1 23	18 5	5 3	
S 11	21 51	5 53	3 56	20 49	2 40	17 28	1 39	3 25	0 5	12 33	1 5	20 24	0 28	21 9	0 4	5 58	1 9	4 2	16 34	18 47	18 36	1 25	18 6	5 4	
M12	21 41	0 55	4 41	20 58	2 31	17 5	1 39	3 42	0 6	12 35	1 5	20 22	0 28	21 9	0 4	5 58	1 9	4 2	16 34	18 47	18 37	1 28	18 6	5 4	
T 13	21 31	4n 5	5 8	21 8	2 21	16 41	1 38	3 59	0 7	12 36	1 4	20 21	0 29	21 9	0 4	5 59	1 9	4 2	16 34	18 47	18 38	1 30	18 6	5 4	
W14	21 21	8 50	5 16	21 18	2 12	16 17	1 38	4 15	0 8	12 37	1 4	20 19	0 29	21 9	0 4	5 59	1 9	4 1	16 33	18 47	18 38	1 32	18 6	5 5	
T 15	21 10	13 6	5 6	21 27	2 2	15 53	1 38	4 32	0 9	12 38	1 4	20 18	0 29	21 8	0 4	5 59	1 9	4 1	16 33	18 47	18 39	1 34	18 6	5 5	
F 16	20 59	16 36	4 38	21 37	1 52	15 28	1 37	4 48	0 10	12 39	1 3	20 16	0 29	21 8	0 4	6 0	1 9	4 1	16 33	18 47	18 40	1 37	18 6	5 6	
S 17	20 47	19 8	3 53	21 46	1 42	15 3	1 36	5 4	0 11	12 41	1 3	20 15	0 29	21 8	0 4	6 0	1 9	4 0	16 32	18 48	18 41	1 39	18 6	5 6	
S 18	20 35	20 32	2 56	21 55	1 32	14 37	1 36	5 21	0 12	12 42	1 3	20 13	0 29	21 8	0 4	6 1	1 9	4 0	16 32	18 48	18 42	1 41	18 6	5 6	
M19	20 22	20 44	1 50	22 3	1 22	14 11	1 35	5 37	0 13	12 44	1 2	20 11	0 29	21 8	0 4	6 1	1 9	4 0	16 32	18 48	18 42	1 44	18 6	5 7	
T 20	20 10	19 47	0 40	22 11	1 12	13 44	1 34	5 53	0 14	12 45	1 2	20 10	0 29	21 7	0 4	6 1	1 9	3 59	16 31	18 48	18 43	1 46	18 6	5 7	
W21	19 56	17 48	0n32	22 18	1 2	13 18	1 33	6 10	0 15	12 47	1 2	20 8	0 29	21 7	0 4	6 2	1 9	3 59	16 31	18 48	18 44	1 48	18 6	5 8	
T 22	19 43	14 59	1 40	22 24	0 52	12 51	1 32	6 26	0 16	12 49	1 2	20 7	0 29	21 7	0 4	6 2	1 9	3 58	16 31	18 48	18 45	1 50	18 6	5 8	
F 23	19 29	11 32	2 43	22 30	0 42	12 23	1 31	6 42	0 17	12 50	1 1	20 5	0 29	21 7	0 4	6 3	1 9	3 58	16 30	18 48	18 46	1 53	18 5	5 8	
S 24	19 15	7 40	3 37	22 34	0 33	11 55	1 30	6 58	0 18	12 52	1 1	20 4	0 29	21 7	0 4	6 3	1 9	3 58	16 30	18 48	18 46	1 55	18 5	5 9	
S 25	19 0	3 33	4 20	22 38	0 24	11 27	1 29	7 14	0 19	12 54	1 1	20 2	0 29	21 7	0 4	6 4	1 9	3 57	16 29	18 48	18 47	1 57	18 5	5 9	
M26	18 45	0s39	4 52	22 41	0 15	10 59	1 28	7 30	0 20	12 56	1 0	20 0	0 29	21 6	0 4	6 4	1 9	3 57	16 29	18 48	18 48	2 0	18 5	5 10	
T 27	18 30	4 48	5 11	22 43	0 6	10 30	1 26	7 46	0 21	12 58	1 0	19 59	0 30	21 6	0 4	6 5	1 9	3 56	16 29	18 48	18 49	2 2	18 5	5 10	
W28	18 14	8 47	5 17	22 43	0s 3	10 1	1 25	8 2	0 22	13 0	1 0	19 57	0 30	21 6	0 4	6 5	1 9	3 56	16 28	18 48	18 49	2 4	18 5	5 11	
T 29	17 58	12 28	5 10	22 43	0 11	9 32	1 23	8 17	0 23	13 2	1 0	19 56	0 30	21 6	0 4	6 6	1 10	3 55	16 28	18 48	18 50	2 6	18 5	5 11	
F 30	17 42	15 41	4 48	22 41	0 19	9 3	1 22	8 33	0 24	13 4	0 59	19 54	0 30	21 6	0 4	6 6	1 10	3 55	16 28	18 48	18 51	2 9	18 5	5 12	
S 31	17s25	18s16	4n13	22s38	0s27	8s33	1s20	8n49	0n25	13n 6	0s59	19s53	0s30	21n 6	0s 4	6n 7	1n10	3s55	16s27	18n48	18n52	2s11	18s 4	5n12	

Julian Day Number = 2308735.5, Delta T = 77.78 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'00, Lahiri = 18°24'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

FEBRUARY 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 44 51	12♒20'01	26♐ 9	20♑ 2	12♓36	22♈15	7♉35	3♒42	4°R53	17°R14	0♉ 6	6♌ 4	5♌44	17♎ 6	22♐26	S 1
M 2	8 48 47	13°20'49	9♑17	21°24	13°49	22°55	7°42	3°49	4♊53	17♍13	0° 6	6° 5	5°41	17°12	22°31	M 2
T 3	8 52 44	14°21'36	22°48	22°48	15° 3	23°34	7°48	3°56	4°52	17°12	0° 7	6° 5	5°38	17°19	22°36	T 3
W 4	8 56 40	15°22'22	6♒41	24°13	16°17	24°14	7°55	4° 3	4°52	17°10	0° 7	6°R 5	5°34	17°26	22°41	W 4
T 5	9 0 37	16°23'06	20°53	25°39	17°30	24°53	8° 1	4°10	4°51	17° 9	0° 7	6° 5	5°31	17°33	22°46	T 5
F 6	9 4 34	17°23'48	5♓20	27° 5	18°44	25°33	8° 8	4°17	4°51	17° 8	0° 8	6° 4	5°28	17°39	22°51	F 6
S 7	9 8 30	18°24'30	19°56	28°33	19°58	26°12	8°15	4°24	4°51	17° 6	0° 8	6° 3	5°25	17°46	22°56	S 7
S 8	9 12 27	19°25'09	4♈34	0♒ 2	21°11	26°52	8°23	4°31	4°51	17° 5	0° 9	6° 1	5°22	17°53	23° 0	S 8
M 9	9 16 23	20°25'47	19° 9	1°32	22°25	27°32	8°30	4°38	4°50	17° 3	0°10	6° 0	5°18	17°59	23° 5	M 9
T 10	9 20 20	21°26'23	3♉34	3° 2	23°38	28°11	8°38	4°45	4°50	17° 2	0°10	5°58	5°15	18° 6	23°10	T 10
W11	9 24 16	22°26'57	17°46	4°34	24°51	28°51	8°45	4°52	4°D50	17° 0	0°11	5°D58	5°12	18°13	23°14	W11
T 12	9 28 13	23°27'30	1♊44	6° 6	26° 4	29°30	8°53	4°59	4°50	16°59	0°11	5°58	5° 9	18°20	23°19	T 12
F 13	9 32 9	24°28'00	15°26	7°40	27°18	0♉10	9° 1	5° 6	4°50	16°57	0°12	5°59	5° 6	18°26	23°23	F 13
S 14	9 36 6	25°28'29	28°53	9°14	28°31	0°49	9° 9	5°13	4°51	16°56	0°13	6° 0	5° 3	18°33	23°27	S 14
S 15	9 40 2	26°28'56	12♋ 6	10°49	29°44	1°29	9°18	5°20	4°51	16°54	0°13	6° 1	4°59	18°40	23°32	S 15
M16	9 43 59	27°29'21	25° 5	12°25	0♈57	2° 8	9°26	5°27	4°51	16°53	0°14	6° 3	4°56	18°46	23°36	M16
T 17	9 47 56	28°29'45	7♌51	14° 3	2°10	2°48	9°34	5°33	4°51	16°51	0°15	6°R 3	4°53	18°53	23°40	T 17
W18	9 51 52	29°30'06	20°26	15°41	3°23	3°28	9°43	5°40	4°52	16°50	0°16	6° 2	4°50	19° 0	23°44	W18
T 19	9 55 49	0♓30'26	2♍50	17°20	4°35	4° 7	9°52	5°47	4°52	16°48	0°16	6° 0	4°47	19° 7	23°48	T 19
F 20	9 59 45	1°30'44	15° 5	19° 0	5°48	4°47	10° 1	5°54	4°52	16°47	0°17	5°57	4°44	19°13	23°52	F 20
S 21	10 3 42	2°31'00	27°10	20°41	7° 1	5°26	10°10	6° 0	4°53	16°45	0°18	5°52	4°40	19°20	23°55	S 21
S 22	10 7 38	3°31'14	9♎ 9	22°23	8°13	6° 6	10°19	6° 7	4°53	16°43	0°19	5°47	4°37	19°27	23°59	S 22
M23	10 11 35	4°31'27	21° 3	24° 6	9°26	6°45	10°28	6°13	4°54	16°42	0°20	5°42	4°34	19°34	24° 3	M23
T 24	10 15 31	5°31'39	2♏55	25°50	10°38	7°24	10°38	6°20	4°55	16°40	0°20	5°38	4°31	19°40	24° 6	T 24
W25	10 19 28	6°31'48	14°48	27°35	11°50	8° 4	10°47	6°27	4°55	16°38	0°21	5°35	4°28	19°47	24°10	W25
T 26	10 23 25	7°31'57	26°46	29°22	13° 3	8°43	10°57	6°33	4°56	16°37	0°22	5°32	4°24	19°54	24°13	T 26
F 27	10 27 21	8°32'03	8♐55	1♓ 9	14°15	9°23	11° 7	6°40	4°57	16°35	0°23	5°D32	4°21	20° 0	24°16	F 27
S 28	10 31 18	9♓32'09	21♐18	2♓57	15♈27	10♉ 2	11♉17	6♒46	4♊58	16♍34	0♉24	5♌32	4♌18	20♎ 7	24♐20	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s 8	20s 2	3n24	22s34	0s35	8s 3	1s18	9n 4	0n26	13n 9	0s59	19s51	0s30	21n 6	0s 4	6n 7	1n10	3s54	16s27	18n48	18n53	2s13	18s 4	5n13
M 2	16 51	20 47	2 23	22 29	0 42	7 33	1 17	9 20	0 26	13 11	0 59	19 49	0 30	21 6	0 4	6 8	1 10	3 54	16 27	18 47	18 53	2 16	18 4	5 13
T 3	16 33	20 21	1 13	22 22	0 50	7 3	1 15	9 35	0 27	13 13	0 58	19 48	0 30	21 6	0 4	6 8	1 10	3 53	16 26	18 47	18 54	2 18	18 4	5 14
W 4	16 16	18 42	0s 3	22 15	0 57	6 33	1 13	9 51	0 28	13 16	0 58	19 46	0 30	21 6	0 4	6 9	1 10	3 53	16 26	18 47	18 55	2 20	18 4	5 14
T 5	15 57	15 51	1 21	22 6	1 3	6 2	1 11	10 6	0 29	13 18	0 58	19 45	0 30	21 5	0 4	6 9	1 10	3 52	16 26	18 47	18 56	2 22	18 3	5 15
F 6	15 39	11 58	2 35	21 55	1 10	5 31	1 9	10 21	0 30	13 21	0 57	19 43	0 30	21 5	0 4	6 10	1 10	3 52	16 25	18 48	18 57	2 25	18 3	5 15
S 7	15 21	7 21	3 40	21 44	1 16	5 0	1 7	10 37	0 30	13 23	0 57	19 41	0 30	21 5	0 4	6 10	1 10	3 51	16 25	18 48	18 57	2 27	18 3	5 16
S 8	15 2	2 18	4 30	21 31	1 21	4 29	1 4	10 52	0 31	13 26	0 57	19 40	0 30	21 5	0 4	6 11	1 10	3 51	16 25	18 48	18 58	2 29	18 2	5 16
M 9	14 43	2n51	5 3	21 16	1 27	3 58	1 2	11 7	0 32	13 28	0 57	19 38	0 31	21 5	0 4	6 12	1 10	3 50	16 24	18 49	18 59	2 32	18 2	5 17
T 10	14 23	7 47	5 16	21 1	1 32	3 27	1 0	11 22	0 33	13 31	0 56	19 37	0 31	21 5	0 3	6 12	1 10	3 50	16 24	18 49	19 0	2 34	18 2	5 17
W11	14 4	12 13	5 9	20 44	1 37	2 56	0 57	11 36	0 33	13 34	0 56	19 35	0 31	21 5	0 3	6 13	1 10	3 49	16 24	18 49	19 0	2 36	18 2	5 18
T 12	13 44	15 54	4 45	20 25	1 42	2 24	0 55	11 51	0 34	13 36	0 56	19 33	0 31	21 5	0 3	6 13	1 10	3 49	16 23	18 49	19 1	2 39	18 1	5 18
F 13	13 24	18 39	4 4	20 6	1 46	1 53	0 52	12 6	0 35	13 39	0 56	19 32	0 31	21 5	0 3	6 14	1 10	3 48	16 23	18 49	19 2	2 41	18 1	5 19
S 14	13 3	20 18	3 11	19 45	1 50	1 21	0 50	12 20	0 36	13 42	0 55	19 30	0 31	21 5	0 3	6 15	1 10	3 48	16 23	18 49	19 3	2 43	18 1	5 19
S 15	12 43	20 48	2 8	19 22	1 53	0 50	0 47	12 35	0 36	13 45	0 55	19 29	0 31	21 5	0 3	6 15	1 10	3 47	16 22	18 48	19 3	2 45	18 0	5 20
M16	12 22	20 11	1 0	18 58	1 56	0 18	0 45	12 49	0 37	13 48	0 55	19 27	0 31	21 6	0 3	6 16	1 10	3 47	16 22	18 48	19 4	2 48	18 0	5 21
T 17	12 1	18 30	0n10	18 33	1 59	0n13	0 42	13 4	0 38	13 51	0 55	19 25	0 31	21 6	0 3	6 17	1 10	3 46	16 22	18 48	19 5	2 50	17 59	5 21
W18	11 40	15 57	1 18	18 6	2 2	0 45	0 39	13 18	0 38	13 54	0 54	19 24	0 31	21 6	0 3	6 17	1 10	3 46	16 21	18 48	19 6	2 52	17 59	5 22
T 19	11 19	12 41	2 22	17 38	2 4	1 17	0 36	13 32	0 39	13 57	0 54	19 22	0 31	21 6	0 3	6 18	1 10	3 45	16 21	18 49	19 7	2 55	17 59	5 22
F 20	10 58	8 56	3 18	17 9	2 5	1 48	0 33	13 46	0 40	14 0	0 54	19 21	0 32	21 6	0 3	6 18	1 10	3 44	16 21	18 49	19 7	2 57	17 58	5 23
S 21	10 36	4 52	4 5	16 38	2 7	2 20	0 30	14 0	0 40	14 3	0 54	19 19	0 32	21 6	0 3	6 19	1 10	3 44	16 20	18 51	19 8	2 59	17 58	5 23
S 22	10 14	0 39	4 40	16 5	2 8	2 51	0 27	14 13	0 41	14 6	0 54	19 18	0 32	21 6	0 3	6 20	1 10	3 43	16 20	18 52	19 9	3 2	17 57	5 24
M23	9 52	3s33	5 2	15 32	2 8	3 23	0 24	14 27	0 42	14 9	0 53	19 16	0 32	21 6	0 3	6 20	1 10	3 43	16 20	18 53	19 10	3 4	17 57	5 25
T 24	9 30	7 37	5 12	14 56	2 8	3 54	0 21	14 41	0 42	14 12	0 53	19 15	0 32	21 6	0 3	6 21	1 10	3 42	16 20	18 54	19 10	3 6	17 57	5 25
W25	9 8	11 24	5 8	14 20	2 8	4 25	0 18	14 54	0 43	14 15	0 53	19 13	0 32	21 6	0 3	6 22	1 10	3 42	16 19	18 55	19 11	3 8	17 56	5 26
T 26	8 46	14 45	4 51	13 42	2 7	4 56	0 15	15 7	0 44	14 19	0 53	19 11	0 32	21 7	0 3	6 22	1 10	3 41	16 19	18 55	19 12	3 11	17 56	5 26
F 27	8 23	17 32	4 21	13 2	2 5	5 27	0 11	15 21	0 44	14 22	0 52	19 10	0 32	21 7	0 3	6 23	1 10	3 41	16 19	18 56	19 13	3 13	17 55	5 27
S 28	8s 1	19s34	3n38	12s22	2s 4	5n58	0s 8	15n34	0n45	14n25	0s52	19s 8	0s32	21n 7	0s 3	6n24	1n10	3s40	16s18	18n55	19n13	3s15	17s55	5n28

Julian Day Number = 2308766.5, Delta T = 77.69 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'04, Lahiri = 18°24'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

MARCH 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 35 14	10♓32'12	4♉ 0	4♓47	16♈39	10♉42	11♉27	6♒52	4♊59	16°R32	0♉25	5♌34	4♌15	20♎14	24♐23	S 1
M 2	10 39 11	11°32'14	17° 5	6°38	17°51	11°21	11°37	6°59	5° 0	16♍30	0°26	5°35	4°12	20°21	24°26	M 2
T 3	10 43 7	12°32'14	0♒37	8°29	19° 3	12° 0	11°47	7° 5	5° 1	16°29	0°27	5°R36	4° 9	20°27	24°29	T 3
W 4	10 47 4	13°32'13	14°35	10°22	20°15	12°40	11°58	7°11	5° 2	16°27	0°28	5°36	4° 5	20°34	24°32	W 4
T 5	10 51 0	14°32'09	29° 0	12°16	21°26	13°19	12° 8	7°17	5° 3	16°25	0°29	5°34	4° 2	20°41	24°34	T 5
F 6	10 54 57	15°32'04	13♓46	14°11	22°38	13°59	12°19	7°24	5° 4	16°24	0°30	5°30	3°59	20°47	24°37	F 6
S 7	10 58 54	16°31'57	28°46	16° 7	23°49	14°38	12°29	7°30	5° 5	16°22	0°31	5°25	3°56	20°54	24°40	S 7
S 8	11 2 50	17°31'48	13♈50	18° 3	25° 1	15°17	12°40	7°36	5° 7	16°20	0°32	5°18	3°53	21° 1	24°42	S 8
M 9	11 6 47	18°31'36	28°51	20° 1	26°12	15°57	12°51	7°42	5° 8	16°19	0°33	5°12	3°50	21° 8	24°45	M 9
T 10	11 10 43	19°31'23	13♉37	21°59	27°23	16°36	13° 2	7°48	5° 9	16°17	0°34	5° 6	3°46	21°14	24°47	T 10
W11	11 14 40	20°31'07	28° 4	23°58	28°34	17°15	13°13	7°54	5°11	16°15	0°35	5° 2	3°43	21°21	24°49	W11
T 12	11 18 36	21°30'49	12♊ 9	25°58	29°45	17°55	13°24	7°59	5°12	16°14	0°36	5° 0	3°40	21°28	24°52	T 12
F 13	11 22 33	22°30'29	25°49	27°58	0♉56	18°34	13°36	8° 5	5°14	16°12	0°37	5°D 0	3°37	21°34	24°54	F 13
S 14	11 26 29	23°30'06	9♋ 7	29°58	2° 7	19°13	13°47	8°11	5°15	16°10	0°38	5° 1	3°34	21°41	24°56	S 14
S 15	11 30 26	24°29'41	22° 6	1♈58	3°18	19°52	13°58	8°17	5°17	16° 9	0°39	5° 2	3°30	21°48	24°57	S 15
M16	11 34 23	25°29'14	4♌48	3°58	4°28	20°32	14°10	8°22	5°19	16° 7	0°41	5°R 2	3°27	21°55	24°59	M16
T 17	11 38 19	26°28'44	17°17	5°58	5°39	21°11	14°22	8°28	5°20	16° 5	0°42	5° 2	3°24	22° 1	25° 1	T 17
W18	11 42 16	27°28'12	29°35	7°56	6°49	21°50	14°33	8°33	5°22	16° 4	0°43	4°59	3°21	22° 8	25° 3	W18
T 19	11 46 12	28°27'38	11♍45	9°53	7°59	22°29	14°45	8°39	5°24	16° 2	0°44	4°53	3°18	22°15	25° 4	T 19
F 20	11 50 9	29°27'02	23°49	11°48	9° 9	23° 9	14°57	8°44	5°26	16° 0	0°45	4°45	3°15	22°21	25° 6	F 20
S 21	11 54 5	0♈26'24	5♎47	13°42	10°19	23°48	15° 9	8°49	5°28	15°59	0°47	4°35	3°11	22°28	25° 7	S 21
S 22	11 58 2	1°25'44	17°42	15°33	11°29	24°27	15°21	8°55	5°29	15°57	0°48	4°24	3° 8	22°35	25° 8	S 22
M23	12 1 58	2°25'01	29°35	17°21	12°39	25° 6	15°33	9° 0	5°31	15°56	0°49	4°13	3° 5	22°42	25° 9	M23
T 24	12 5 55	3°24'17	11♏27	19° 6	13°48	25°45	15°45	9° 5	5°33	15°54	0°50	4° 3	3° 2	22°48	25°10	T 24
W25	12 9 51	4°23'31	23°21	20°47	14°58	26°24	15°57	9°10	5°36	15°52	0°51	3°54	2°59	22°55	25°11	W25
T 26	12 13 48	5°22'43	5♐20	22°24	16° 7	27° 3	16°10	9°15	5°38	15°51	0°53	3°47	2°55	23° 2	25°12	T 26
F 27	12 17 45	6°21'53	17°28	23°57	17°16	27°42	16°22	9°20	5°40	15°49	0°54	3°43	2°52	23° 9	25°13	F 27
S 28	12 21 41	7°21'02	29°48	25°25	18°25	28°21	16°34	9°25	5°42	15°48	0°55	3°41	2°49	23°15	25°14	S 28
S 29	12 25 38	8°20'09	12♑25	26°48	19°34	29° 0	16°47	9°30	5°44	15°46	0°56	3°D41	2°46	23°22	25°14	S 29
M30	12 29 34	9°19'14	25°24	28° 6	20°42	29°39	16°59	9°35	5°46	15°45	0°58	3°41	2°43	23°29	25°15	M30
T 31	12 33 31	10♈18'17	8♒48	29♈18	21♉51	0♊18	17♉12	9♒39	5♊49	15♍43	0♉59	3°R41	2♌40	23♎35	25♐15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s38	20s42	2n44	11s39	2s 1	6n29	0s 5	15n47	0n45	14n28	0s52	19s 7	0s32	21n 7	0s 3	6n24	1n10	3s39	16s18	18n55	19n14	3s18	17s54	5n28
M 2	7 15	20 45	1 39	10 56	1 59	7 0	0 1	16 0	0 46	14 32	0 52	19 5	0 32	21 7	0 3	6 25	1 10	3 39	16 18	18 55	19 15	3 20	17 54	5 29
T 3	6 52	19 37	0 27	10 11	1 55	7 30	0n 2	16 12	0 46	14 35	0 52	19 4	0 33	21 7	0 3	6 26	1 10	3 38	16 18	18 54	19 16	3 22	17 53	5 29
W 4	6 29	17 16	0s49	9 25	1 51	8 1	0 6	16 25	0 47	14 38	0 51	19 2	0 33	21 8	0 3	6 26	1 10	3 38	16 17	18 55	19 16	3 25	17 53	5 30
T 5	6 6	13 47	2 4	8 37	1 47	8 31	0 9	16 37	0 47	14 42	0 51	19 1	0 33	21 8	0 3	6 27	1 10	3 37	16 17	18 55	19 17	3 27	17 52	5 31
F 6	5 43	9 21	3 12	7 49	1 42	9 1	0 13	16 50	0 48	14 45	0 51	18 59	0 33	21 8	0 3	6 28	1 10	3 37	16 17	18 56	19 18	3 29	17 52	5 31
S 7	5 20	4 17	4 8	6 59	1 37	9 31	0 16	17 2	0 49	14 49	0 51	18 58	0 33	21 8	0 3	6 28	1 10	3 36	16 17	18 57	19 19	3 32	17 51	5 32
S 8	4 56	1n 3	4 48	6 7	1 31	10 0	0 20	17 14	0 49	14 52	0 51	18 57	0 33	21 9	0 3	6 29	1 10	3 35	16 16	18 59	19 19	3 34	17 51	5 33
M 9	4 33	6 18	5 7	5 15	1 24	10 30	0 23	17 26	0 50	14 56	0 50	18 55	0 33	21 9	0 3	6 30	1 10	3 35	16 16	19 0	19 20	3 36	17 50	5 33
T 10	4 9	11 6	5 5	4 22	1 17	10 59	0 27	17 38	0 50	14 59	0 50	18 54	0 33	21 9	0 3	6 30	1 10	3 34	16 16	19 2	19 21	3 39	17 49	5 34
W11	3 46	15 9	4 44	3 27	1 9	11 28	0 30	17 50	0 51	15 3	0 50	18 52	0 33	21 9	0 3	6 31	1 10	3 34	16 16	19 3	19 22	3 41	17 49	5 35
T 12	3 22	18 13	4 7	2 32	1 1	11 56	0 34	18 1	0 51	15 6	0 50	18 51	0 34	21 10	0 3	6 32	1 10	3 33	16 15	19 3	19 22	3 43	17 48	5 35
F 13	2 59	20 10	3 16	1 37	0 52	12 25	0 38	18 13	0 51	15 10	0 50	18 49	0 34	21 10	0 3	6 32	1 10	3 33	16 15	19 3	19 23	3 45	17 48	5 36
S 14	2 35	20 56	2 15	0 40	0 43	12 53	0 41	18 24	0 52	15 13	0 49	18 48	0 34	21 10	0 3	6 33	1 10	3 32	16 15	19 3	19 24	3 48	17 47	5 37
S 15	2 11	20 32	1 9	0n17	0 33	13 21	0 45	18 35	0 52	15 17	0 49	18 47	0 34	21 11	0 3	6 34	1 10	3 31	16 15	19 3	19 25	3 50	17 47	5 37
M16	1 48	19 5	0 1	1 14	0 23	13 48	0 49	18 46	0 53	15 21	0 49	18 45	0 34	21 11	0 3	6 34	1 10	3 31	16 15	19 3	19 25	3 52	17 46	5 38
T 17	1 24	16 43	1n 5	2 11	0 12	14 15	0 52	18 57	0 53	15 24	0 49	18 44	0 34	21 11	0 3	6 35	1 10	3 30	16 14	19 3	19 26	3 55	17 45	5 39
W18	1 0	13 38	2 8	3 8	0 1	14 42	0 56	19 8	0 54	15 28	0 49	18 43	0 34	21 11	0 3	6 35	1 10	3 30	16 14	19 4	19 27	3 57	17 45	5 39
T 19	0 37	10 0	3 4	4 5	0n10	15 9	1 0	19 18	0 54	15 31	0 48	18 41	0 34	21 12	0 3	6 36	1 10	3 29	16 14	19 5	19 28	3 59	17 44	5 40
F 20	0 13	5 59	3 51	5 1	0 22	15 35	1 4	19 29	0 55	15 35	0 48	18 40	0 34	21 12	0 3	6 37	1 10	3 29	16 14	19 7	19 28	4 2	17 44	5 41
S 21	0n11	1 47	4 27	5 56	0 34	16 0	1 7	19 39	0 55	15 39	0 48	18 39	0 35	21 13	0 3	6 37	1 10	3 28	16 14	19 9	19 29	4 4	17 43	5 41
S 22	0 34	2s28	4 51	6 51	0 46	16 26	1 11	19 49	0 55	15 42	0 48	18 37	0 35	21 13	0 3	6 38	1 10	3 27	16 13	19 12	19 30	4 6	17 42	5 42
M23	0 58	6 37	5 3	7 43	0 58	16 51	1 15	19 59	0 56	15 46	0 48	18 36	0 35	21 13	0 3	6 39	1 10	3 27	16 13	19 15	19 31	4 9	17 42	5 43
T 24	1 21	10 31	5 1	8 35	1 10	17 16	1 18	20 9	0 56	15 50	0 48	18 35	0 35	21 14	0 3	6 39	1 10	3 26	16 13	19 17	19 31	4 11	17 41	5 43
W25	1 45	14 1	4 47	9 24	1 22	17 40	1 22	20 18	0 57	15 53	0 47	18 34	0 35	21 14	0 3	6 40	1 10	3 26	16 13	19 19	19 32	4 13	17 40	5 44
T 26	2 8	16 59	4 20	10 11	1 34	18 4	1 26	20 28	0 57	15 57	0 47	18 32	0 35	21 14	0 3	6 40	1 10	3 25	16 13	19 21	19 33	4 16	17 40	5 45
F 27	2 32	19 14	3 40	10 57	1 45	18 27	1 29	20 37	0 57	16 1	0 47	18 31	0 35	21 15	0 3	6 41	1 10	3 25	16 13	19 22	19 33	4 18	17 39	5 45
S 28	2 55	20 39	2 50	11 39	1 56	18 50	1 33	20 46	0 58	16 5	0 47	18 30	0 35	21 15	0 3	6 42	1 10	3 24	16 12	19 22	19 34	4 20	17 38	5 46
S 29	3 19	21 4	1 51	12 19	2 7	19 12	1 36	20 55	0 58	16 8	0 47	18 29	0 35	21 16	0 3	6 42	1 10	3 23	16 12	19 22	19 35	4 23	17 38	5 47
M30	3 42	20 23	0 44	12 57	2 17	19 34	1 40	21 4	0 59	16 12	0 47	18 28	0 36	21 16	0 3	6 43	1 10	3 23	16 12	19 22	19 36	4 25	17 37	5 47
T 31	4n 5	18s32	0s27	13n31	2n26	19n56	1n43	21n13	0n59	16n16	0s46	18s27	0s36	21n16	0s 3	6n43	1n10	3s22	16s12	19n22	19n36	4s27	17s37	5n48

Julian Day Number = 2308794.5, Delta T = 77.60 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'08, Lahiri = 18°24'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

APRIL 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 37 27	11♈17'18	22♒42	0♉24	22♉59	0♊57	17♉25	9♒44	5♊51	15°R42	1♉ 0	3°R40	2♌36	23♎42	25♐15	W 1
T 2	12 41 24	12°16'18	7♓ 4	1°24	24° 8	1°36	17°38	9°48	5°53	15♍40	1° 2	3♌36	2°33	23°49	25°16	T 2
F 3	12 45 20	13°15'16	21°52	2°18	25°16	2°15	17°50	9°53	5°56	15°39	1° 3	3°30	2°30	23°56	25°16	F 3
S 4	12 49 17	14°14'11	7♈ 0	3° 6	26°24	2°54	18° 3	9°57	5°58	15°38	1° 4	3°21	2°27	24° 2	25°R16	S 4
S 5	12 53 14	15°13'05	22°19	3°48	27°32	3°33	18°16	10° 1	6° 1	15°36	1° 6	3°11	2°24	24° 9	25°16	S 5
M 6	12 57 10	16°11'57	7♉36	4°23	28°39	4°12	18°29	10° 6	6° 3	15°35	1° 7	3° 0	2°21	24°16	25°16	M 6
T 7	13 1 7	17°10'46	22°40	4°51	29°47	4°51	18°42	10°10	6° 6	15°33	1° 8	2°51	2°17	24°22	25°15	T 7
W 8	13 5 3	18° 9'34	7♊24	5°13	0♊54	5°30	18°55	10°14	6° 9	15°32	1°10	2°43	2°14	24°29	25°15	W 8
T 9	13 9 0	19° 8'19	21°40	5°29	2° 1	6° 9	19° 8	10°18	6°11	15°31	1°11	2°38	2°11	24°36	25°15	T 9
F 10	13 12 56	20° 7'02	5♋29	5°38	3° 8	6°48	19°22	10°22	6°14	15°29	1°12	2°36	2° 8	24°43	25°14	F 10
S 11	13 16 53	21° 5'43	18°49	5°R41	4°14	7°27	19°35	10°26	6°17	15°28	1°14	2°D35	2° 5	24°49	25°13	S 11
S 12	13 20 49	22° 4'21	1♌46	5°38	5°21	8° 5	19°48	10°29	6°19	15°27	1°15	2°R35	2° 1	24°56	25°13	S 12
M13	13 24 46	23° 2'58	14°22	5°29	6°27	8°44	20° 2	10°33	6°22	15°26	1°16	2°35	1°58	25° 3	25°12	M13
T 14	13 28 43	24° 1'32	26°42	5°15	7°33	9°23	20°15	10°36	6°25	15°24	1°18	2°33	1°55	25°10	25°11	T 14
W15	13 32 39	25° 0'03	8♍51	4°55	8°39	10° 2	20°28	10°40	6°28	15°23	1°19	2°29	1°52	25°16	25°10	W15
T 16	13 36 36	25°58'33	20°52	4°31	9°45	10°40	20°42	10°43	6°31	15°22	1°21	2°21	1°49	25°23	25° 9	T 16
F 17	13 40 32	26°57'01	2♎48	4° 2	10°50	11°19	20°55	10°47	6°33	15°21	1°22	2°11	1°46	25°30	25° 8	F 17
S 18	13 44 29	27°55'26	14°41	3°30	11°55	11°58	21° 9	10°50	6°36	15°20	1°23	1°59	1°42	25°36	25° 7	S 18
S 19	13 48 25	28°53'50	26°34	2°55	13° 0	12°37	21°22	10°53	6°39	15°18	1°25	1°45	1°39	25°43	25° 5	S 19
M20	13 52 22	29°52'12	8♏27	2°18	14° 5	13°15	21°36	10°56	6°42	15°17	1°26	1°31	1°36	25°50	25° 4	M20
T 21	13 56 18	0♉50'32	20°22	1°39	15° 9	13°54	21°49	10°59	6°45	15°16	1°27	1°17	1°33	25°57	25° 2	T 21
W22	14 0 15	1°48'50	2♐20	0°59	16°13	14°33	22° 3	11° 2	6°48	15°15	1°29	1° 6	1°30	26° 3	25° 1	W22
T 23	14 4 12	2°47'07	14°24	0°19	17°17	15°11	22°17	11° 5	6°51	15°14	1°30	0°56	1°26	26°10	24°59	T 23
F 24	14 8 8	3°45'22	26°36	29♈40	18°21	15°50	22°31	11° 8	6°54	15°13	1°31	0°50	1°23	26°17	24°57	F 24
S 25	14 12 5	4°43'35	8♑58	29° 2	19°24	16°28	22°44	11°10	6°58	15°12	1°33	0°47	1°20	26°23	24°56	S 25
S 26	14 16 1	5°41'47	21°35	28°26	20°27	17° 7	22°58	11°13	7° 1	15°11	1°34	0°46	1°17	26°30	24°54	S 26
M27	14 19 58	6°39'58	4♒31	27°52	21°30	17°46	23°12	11°15	7° 4	15°10	1°36	0°45	1°14	26°37	24°52	M27
T 28	14 23 54	7°38'07	17°50	27°21	22°32	18°24	23°26	11°17	7° 7	15°10	1°37	0°45	1°11	26°44	24°50	T 28
W29	14 27 51	8°36'14	1♓34	26°54	23°35	19° 3	23°40	11°20	7°10	15° 9	1°38	0°44	1° 7	26°50	24°47	W29
T 30	14 31 47	9♉34'20	15♓46	26♈31	24♊36	19♊41	23♉53	11♒22	7♊13	15♍ 8	1♉40	0♌40	1♌ 4	26♎57	24♐45	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n28	15s33	1s39	14n 2	2n34	20n17	1n47	21n21	0n59	16n19	0s46	18s26	0s36	21n17	0s 3	6n44	1n10	3s22	16s12	19n22	19n37	4s30	17s36	5n49
T 2	4 52	11 31	2 47	14 31	2 42	20 38	1 50	21 30	1 0	16 23	0 46	18 24	0 36	21 17	0 3	6 44	1 10	3 21	16 12	19 23	19 38	4 32	17 35	5 49
F 3	5 15	6 42	3 46	14 56	2 49	20 58	1 54	21 38	1 0	16 27	0 46	18 23	0 36	21 18	0 3	6 45	1 10	3 21	16 12	19 25	19 39	4 34	17 35	5 50
S 4	5 38	1 21	4 31	15 18	2 54	21 17	1 57	21 46	1 0	16 31	0 46	18 22	0 36	21 18	0 3	6 46	1 10	3 20	16 11	19 27	19 39	4 36	17 34	5 51
S 5	6 0	4n 7	4 56	15 37	2 59	21 36	2 1	21 54	1 1	16 34	0 46	18 21	0 36	21 19	0 3	6 46	1 10	3 20	16 11	19 29	19 40	4 39	17 33	5 51
M 6	6 23	9 20	5 1	15 52	3 2	21 55	2 4	22 2	1 1	16 38	0 46	18 20	0 36	21 19	0 3	6 47	1 10	3 19	16 11	19 32	19 41	4 41	17 33	5 52
T 7	6 46	13 54	4 44	16 4	3 5	22 13	2 7	22 9	1 1	16 42	0 45	18 19	0 37	21 19	0 3	6 47	1 10	3 19	16 11	19 34	19 41	4 43	17 32	5 53
W 8	7 8	17 30	4 9	16 12	3 6	22 30	2 10	22 16	1 1	16 46	0 45	18 18	0 37	21 20	0 3	6 48	1 10	3 18	16 11	19 35	19 42	4 46	17 31	5 53
T 9	7 31	19 55	3 19	16 17	3 6	22 47	2 14	22 24	1 2	16 49	0 45	18 17	0 37	21 20	0 3	6 48	1 10	3 17	16 11	19 37	19 43	4 48	17 31	5 54
F 10	7 53	21 4	2 18	16 19	3 4	23 4	2 17	22 31	1 2	16 53	0 45	18 16	0 37	21 21	0 3	6 49	1 10	3 17	16 11	19 37	19 44	4 50	17 30	5 54
S 11	8 15	20 58	1 12	16 17	3 1	23 20	2 20	22 37	1 2	16 57	0 45	18 15	0 37	21 21	0 3	6 49	1 10	3 16	16 11	19 37	19 44	4 53	17 29	5 55
S 12	8 37	19 44	0 4	16 12	2 57	23 35	2 23	22 44	1 3	17 0	0 45	18 15	0 37	21 22	0 3	6 50	1 10	3 16	16 11	19 37	19 45	4 55	17 29	5 56
M13	8 59	17 33	1n 2	16 4	2 51	23 49	2 26	22 50	1 3	17 4	0 45	18 14	0 37	21 22	0 3	6 50	1 10	3 15	16 11	19 37	19 46	4 57	17 28	5 56
T 14	9 20	14 35	2 4	15 52	2 44	24 4	2 29	22 57	1 3	17 8	0 44	18 13	0 38	21 23	0 3	6 51	1 10	3 15	16 11	19 38	19 46	5 0	17 27	5 57
W15	9 42	11 2	2 59	15 37	2 35	24 17	2 32	23 3	1 3	17 11	0 44	18 12	0 38	21 23	0 3	6 51	1 10	3 14	16 11	19 39	19 47	5 2	17 27	5 58
T 16	10 3	7 5	3 45	15 20	2 25	24 30	2 34	23 9	1 4	17 15	0 44	18 11	0 38	21 24	0 3	6 51	1 10	3 14	16 10	19 41	19 48	5 4	17 26	5 58
F 17	10 24	2 53	4 22	15 0	2 14	24 42	2 37	23 14	1 4	17 19	0 44	18 10	0 38	21 24	0 3	6 52	1 10	3 13	16 10	19 43	19 49	5 7	17 25	5 59
S 18	10 45	1s24	4 46	14 37	2 2	24 54	2 40	23 20	1 4	17 23	0 44	18 10	0 38	21 25	0 3	6 52	1 10	3 13	16 10	19 46	19 49	5 9	17 25	6 0
S 19	11 6	5 38	4 58	14 12	1 48	25 5	2 42	23 25	1 4	17 26	0 44	18 9	0 38	21 25	0 3	6 53	1 10	3 12	16 10	19 49	19 50	5 11	17 24	6 0
M20	11 27	9 39	4 57	13 45	1 33	25 16	2 44	23 30	1 5	17 30	0 44	18 8	0 38	21 26	0 3	6 53	1 10	3 12	16 10	19 52	19 51	5 14	17 23	6 1
T 21	11 47	13 19	4 43	13 17	1 18	25 25	2 47	23 35	1 5	17 33	0 44	18 8	0 38	21 26	0 3	6 54	1 10	3 11	16 10	19 55	19 51	5 16	17 23	6 1
W22	12 8	16 28	4 17	12 48	1 2	25 35	2 49	23 40	1 5	17 37	0 43	18 7	0 39	21 27	0 3	6 54	1 10	3 11	16 10	19 57	19 52	5 18	17 22	6 2
T 23	12 28	18 57	3 39	12 19	0 45	25 43	2 51	23 45	1 5	17 41	0 43	18 6	0 39	21 27	0 3	6 54	1 10	3 11	16 10	19 59	19 53	5 21	17 21	6 3
F 24	12 48	20 37	2 50	11 49	0 28	25 51	2 53	23 49	1 6	17 44	0 43	18 6	0 39	21 28	0 3	6 55	1 10	3 10	16 10	20 1	19 53	5 23	17 21	6 3
S 25	13 7	21 19	1 52	11 19	0 11	25 59	2 55	23 53	1 6	17 48	0 43	18 5	0 39	21 28	0 3	6 55	1 10	3 10	16 10	20 1	19 54	5 25	17 20	6 4
S 26	13 27	20 57	0 48	10 51	0s 6	26 5	2 57	23 58	1 6	17 52	0 43	18 5	0 39	21 29	0 3	6 55	1 10	3 9	16 10	20 2	19 55	5 28	17 19	6 4
M27	13 46	19 30	0s20	10 23	0 23	26 12	2 59	24 1	1 6	17 55	0 43	18 4	0 39	21 29	0 3	6 56	1 10	3 9	16 10	20 2	19 56	5 30	17 19	6 5
T 28	14 5	16 56	1 29	9 56	0 40	26 17	3 1	24 5	1 6	17 59	0 43	18 3	0 39	21 30	0 3	6 56	1 10	3 8	16 10	20 2	19 56	5 32	17 18	6 6
W29	14 24	13 21	2 35	9 31	0 56	26 22	3 2	24 9	1 7	18 2	0 43	18 3	0 40	21 31	0 3	6 56	1 10	3 8	16 10	20 2	19 57	5 35	17 17	6 6
T 30	14n43	8s54	3s34	9n 8	1s12	26n26	3n 4	24n12	1n 7	18n 6	0s43	18s 3	0s40	21n31	0s 3	6n57	1n10	3s 7	16s10	20n 3	19n58	5s37	17s17	6n 7

Julian Day Number = 2308825.5, Delta T = 77.50 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'12, Lahiri = 18°24'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

MAY 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 35 44	10♉32'25	0♈25	26°R12	25♊38	20♊20	24♉ 7	11♒24	7♊17	15°R 7	1♉41	0°R34	1♌ 1	27♎ 4	24°R43	F 1
S 2	14 39 40	11°30'28	15°25	25♈57	26°39	20°58	24°21	11°26	7°20	15♍ 6	1°42	0♌25	0°58	27°11	24♐41	S 2
S 3	14 43 37	12°28'30	0♉38	25°46	27°40	21°37	24°35	11°28	7°23	15° 6	1°44	0°15	0°55	27°17	24°38	S 3
M 4	14 47 34	13°26'30	15°55	25°40	28°41	22°15	24°49	11°30	7°26	15° 5	1°45	0° 5	0°52	27°24	24°36	M 4
T 5	14 51 30	14°24'29	1♊ 4	25°D39	29°41	22°54	25° 3	11°31	7°30	15° 4	1°46	29♋55	0°48	27°31	24°33	T 5
W 6	14 55 27	15°22'26	15°55	25°43	0♋41	23°32	25°17	11°33	7°33	15° 4	1°48	29°47	0°45	27°37	24°30	W 6
T 7	14 59 23	16°20'21	0♋20	25°51	1°40	24°11	25°31	11°34	7°36	15° 3	1°49	29°41	0°42	27°44	24°28	T 7
F 8	15 3 20	17°18'15	14°17	26° 3	2°39	24°49	25°45	11°36	7°40	15° 2	1°51	29°39	0°39	27°51	24°25	F 8
S 9	15 7 16	18°16'07	27°44	26°21	3°37	25°28	25°59	11°37	7°43	15° 2	1°52	29°D38	0°36	27°58	24°22	S 9
S 10	15 11 13	19°13'57	10♌45	26°42	4°36	26° 6	26°13	11°38	7°47	15° 1	1°53	29°38	0°32	28° 4	24°19	S 10
M11	15 15 10	20°11'45	23°23	27° 8	5°33	26°44	26°27	11°39	7°50	15° 1	1°54	29°R38	0°29	28°11	24°16	M11
T 12	15 19 6	21° 9'32	5♍43	27°38	6°30	27°23	26°41	11°40	7°53	15° 0	1°56	29°37	0°26	28°18	24°13	T 12
W13	15 23 3	22° 7'17	17°49	28°12	7°27	28° 1	26°55	11°41	7°57	15° 0	1°57	29°34	0°23	28°25	24°10	W13
T 14	15 26 59	23° 5'00	29°47	28°50	8°23	28°39	27° 9	11°42	8° 0	14°59	1°58	29°29	0°20	28°31	24° 7	T 14
F 15	15 30 56	24° 2'41	11♎40	29°32	9°19	29°18	27°23	11°43	8° 4	14°59	2° 0	29°21	0°17	28°38	24° 3	F 15
S 16	15 34 52	25° 0'21	23°32	0♉18	10°14	29°56	27°37	11°44	8° 7	14°59	2° 1	29°11	0°13	28°45	24° 0	S 16
S 17	15 38 49	25°58'00	5♏25	1° 7	11° 9	0♋34	27°51	11°44	8°11	14°58	2° 2	28°59	0°10	28°51	23°57	S 17
M18	15 42 45	26°55'37	17°20	2° 0	12° 3	1°13	28° 5	11°45	8°14	14°58	2° 4	28°48	0° 7	28°58	23°53	M18
T 19	15 46 42	27°53'14	29°21	2°56	12°57	1°51	28°19	11°45	8°18	14°58	2° 5	28°37	0° 4	29° 5	23°50	T 19
W20	15 50 38	28°50'48	11♐28	3°55	13°49	2°29	28°34	11°45	8°21	14°58	2° 6	28°27	0° 1	29°12	23°47	W20
T 21	15 54 35	29°48'22	23°41	4°57	14°42	3° 7	28°48	11°45	8°25	14°57	2° 7	28°20	29♋58	29°18	23°43	T 21
F 22	15 58 32	0♊45'55	6♑ 4	6° 3	15°33	3°46	29° 2	11°R45	8°28	14°57	2° 9	28°15	29°54	29°25	23°39	F 22
S 23	16 2 28	1°43'27	18°37	7°12	16°24	4°24	29°16	11°45	8°32	14°57	2°10	28°13	29°51	29°32	23°36	S 23
S 24	16 6 25	2°40'57	1♒23	8°23	17°15	5° 2	29°30	11°45	8°35	14°57	2°11	28°D12	29°48	29°38	23°32	S 24
M25	16 10 21	3°38'27	14°24	9°38	18° 4	5°40	29°44	11°45	8°39	14°57	2°12	28°13	29°45	29°45	23°28	M25
T 26	16 14 18	4°35'57	27°44	10°55	18°53	6°19	29°58	11°44	8°42	14°D57	2°13	28°14	29°42	29°52	23°25	T 26
W27	16 18 14	5°33'25	11♓24	12°15	19°41	6°57	0♊12	11°44	8°46	14°57	2°15	28°R14	29°38	29°59	23°21	W27
T 28	16 22 11	6°30'52	25°27	13°38	20°28	7°35	0°26	11°43	8°49	14°57	2°16	28°12	29°35	0♏ 5	23°17	T 28
F 29	16 26 7	7°28'19	9♈51	15° 4	21°14	8°13	0°40	11°43	8°53	14°57	2°17	28° 9	29°32	0°12	23°13	F 29
S 30	16 30 4	8°25'45	24°33	16°32	22° 0	8°51	0°54	11°42	8°57	14°57	2°18	28° 4	29°29	0°19	23° 9	S 30
S 31	16 34 1	9♊23'11	9♉29	18♉ 3	22♋45	9♋29	1♊ 8	11♒41	9♊ 0	14♍57	2♉19	27♋57	29♋26	0♏26	23♐ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15n 1	3s49	4s21	8n47	1s27	26n30	3n 5	24n15	1n 7	18n 9	0s42	18s 2	0s40	21n32	0s 3	6n57	1n10	3s 7	16s10	20n 4	19n58	5s39	17s16	6n 7
S 2	15 19	1n36	4 51	8 28	1 41	26 33	3 6	24 18	1 7	18 13	0 42	18 2	0 40	21 32	0 3	6 57	1 10	3 7	16 10	20 6	19 59	5 42	17 15	6 8
S 3	15 37	7 1	5 1	8 12	1 55	26 35	3 7	24 21	1 7	18 16	0 42	18 1	0 40	21 33	0 3	6 57	1 10	3 6	16 10	20 8	20 0	5 44	17 15	6 8
M 4	15 54	12 1	4 50	7 58	2 7	26 37	3 8	24 23	1 8	18 20	0 42	18 1	0 40	21 33	0 3	6 58	1 10	3 6	16 10	20 11	20 0	5 46	17 14	6 9
T 5	16 12	16 12	4 18	7 46	2 19	26 39	3 9	24 25	1 8	18 23	0 42	18 1	0 40	21 34	0 3	6 58	1 10	3 5	16 10	20 13	20 1	5 49	17 13	6 9
W 6	16 29	19 16	3 29	7 38	2 30	26 39	3 10	24 28	1 8	18 27	0 42	18 0	0 41	21 34	0 3	6 58	1 10	3 5	16 11	20 14	20 2	5 51	17 13	6 10
T 7	16 46	21 1	2 29	7 31	2 40	26 39	3 11	24 30	1 8	18 30	0 42	18 0	0 41	21 35	0 3	6 58	1 10	3 5	16 11	20 15	20 3	5 53	17 12	6 10
F 8	17 2	21 23	1 21	7 28	2 49	26 39	3 11	24 31	1 8	18 34	0 42	18 0	0 41	21 36	0 3	6 59	1 10	3 4	16 11	20 16	20 3	5 56	17 12	6 11
S 9	17 18	20 30	0 10	7 27	2 57	26 38	3 11	24 33	1 8	18 37	0 42	18 0	0 41	21 36	0 2	6 59	1 10	3 4	16 11	20 16	20 4	5 58	17 11	6 12
S 10	17 34	18 31	0n59	7 28	3 4	26 36	3 12	24 34	1 9	18 40	0 42	17 59	0 41	21 37	0 2	6 59	1 10	3 4	16 11	20 16	20 5	6 0	17 10	6 12
M11	17 50	15 41	2 3	7 31	3 10	26 34	3 12	24 36	1 9	18 44	0 41	17 59	0 41	21 37	0 2	6 59	1 10	3 3	16 11	20 16	20 5	6 3	17 10	6 12
T 12	18 5	12 13	2 59	7 37	3 15	26 31	3 11	24 37	1 9	18 47	0 41	17 59	0 42	21 38	0 2	6 59	1 10	3 3	16 11	20 16	20 6	6 5	17 9	6 13
W13	18 20	8 18	3 47	7 46	3 19	26 28	3 11	24 37	1 9	18 50	0 41	17 59	0 42	21 38	0 2	6 59	1 10	3 3	16 11	20 17	20 7	6 7	17 9	6 13
T 14	18 35	4 7	4 24	7 56	3 22	26 24	3 11	24 38	1 9	18 54	0 41	17 59	0 42	21 39	0 2	7 0	1 10	3 2	16 11	20 18	20 7	6 10	17 8	6 14
F 15	18 49	0s12	4 49	8 8	3 25	26 19	3 10	24 38	1 9	18 57	0 41	17 59	0 42	21 39	0 2	7 0	1 10	3 2	16 11	20 20	20 8	6 12	17 7	6 14
S 16	19 3	4 29	5 1	8 23	3 26	26 14	3 9	24 39	1 9	19 0	0 41	17 59	0 42	21 40	0 2	7 0	1 9	3 2	16 11	20 22	20 9	6 14	17 7	6 15
S 17	19 17	8 37	5 1	8 39	3 27	26 9	3 8	24 39	1 9	19 4	0 41	17 59	0 42	21 41	0 2	7 0	1 9	3 1	16 11	20 24	20 9	6 17	17 6	6 15
M18	19 31	12 27	4 47	8 57	3 27	26 3	3 7	24 39	1 10	19 7	0 41	17 59	0 42	21 41	0 2	7 0	1 9	3 1	16 12	20 27	20 10	6 19	17 6	6 16
T 19	19 44	15 48	4 21	9 17	3 27	25 57	3 6	24 38	1 10	19 10	0 41	17 59	0 43	21 42	0 2	7 0	1 9	3 1	16 12	20 29	20 11	6 21	17 5	6 16
W20	19 57	18 32	3 43	9 38	3 25	25 50	3 4	24 38	1 10	19 13	0 41	17 59	0 43	21 42	0 2	7 0	1 9	3 0	16 12	20 31	20 11	6 24	17 5	6 16
T 21	20 9	20 27	2 54	10 1	3 23	25 42	3 3	24 37	1 10	19 16	0 41	17 59	0 43	21 43	0 2	7 0	1 9	3 0	16 12	20 32	20 12	6 26	17 4	6 17
F 22	20 21	21 25	1 56	10 25	3 20	25 34	3 1	24 36	1 10	19 19	0 41	17 59	0 43	21 43	0 2	7 0	1 9	3 0	16 12	20 33	20 13	6 28	17 3	6 17
S 23	20 33	21 21	0 51	10 51	3 16	25 26	2 59	24 35	1 10	19 23	0 40	17 59	0 43	21 44	0 2	7 0	1 9	3 0	16 12	20 34	20 13	6 31	17 3	6 18
S 24	20 44	20 10	0s17	11 18	3 12	25 18	2 57	24 34	1 10	19 26	0 40	18 0	0 43	21 45	0 2	7 0	1 9	2 59	16 12	20 34	20 14	6 33	17 2	6 18
M25	20 55	17 55	1 26	11 46	3 7	25 9	2 54	24 32	1 10	19 29	0 40	18 0	0 43	21 45	0 2	7 0	1 9	2 59	16 13	20 34	20 15	6 35	17 2	6 18
T 26	21 6	14 39	2 32	12 15	3 2	24 59	2 51	24 31	1 10	19 32	0 40	18 0	0 44	21 46	0 2	7 0	1 9	2 59	16 13	20 33	20 15	6 38	17 1	6 19
W27	21 17	10 33	3 31	12 45	2 56	24 49	2 49	24 29	1 10	19 35	0 40	18 0	0 44	21 46	0 2	7 0	1 9	2 59	16 13	20 33	20 16	6 40	17 1	6 19
T 28	21 26	5 46	4 19	13 16	2 49	24 39	2 45	24 27	1 11	19 38	0 40	18 1	0 44	21 47	0 2	7 0	1 9	2 58	16 13	20 34	20 17	6 42	17 0	6 19
F 29	21 36	0 34	4 52	13 48	2 42	24 28	2 42	24 24	1 11	19 41	0 40	18 1	0 44	21 47	0 2	7 0	1 9	2 58	16 13	20 34	20 17	6 45	17 0	6 20
S 30	21 45	4n47	5 6	14 21	2 35	24 18	2 38	24 22	1 11	19 44	0 40	18 1	0 44	21 48	0 2	7 0	1 9	2 58	16 13	20 36	20 18	6 47	16 59	6 20
S 31	21n54	9n55	5s 1	14n54	2s27	24n 6	2n35	24n19	1n11	19n47	0s40	18s 2	0s44	21n48	0s 2	7n 0	1n 9	2s58	16s14	20n37	20n19	6s49	16s59	6n20

Julian Day Number = 2308855.5, Delta T = 77.41 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'16, Lahiri = 18°24'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

JUNE 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 37 57	10♊20'36	24♉30	19♉37	23♋28	10♋ 8	1♊22	11°R40	9♊ 4	14♍57	2♉20	27°R50	29♋23	0♏32	23°R 2	M 1
T 2	16 41 54	11°18'00	9♊26	21°13	24°11	10°46	1°36	11♒39	9° 7	14°58	2°21	27♋43	29°19	0°39	22♐58	T 2
W 3	16 45 50	12°15'23	24° 9	22°52	24°53	11°24	1°50	11°38	9°11	14°58	2°23	27°38	29°16	0°46	22°54	W 3
T 4	16 49 47	13°12'46	8♋32	24°34	25°34	12° 2	2° 4	11°37	9°14	14°58	2°24	27°34	29°13	0°52	22°50	T 4
F 5	16 53 43	14°10'08	22°30	26°18	26°14	12°40	2°17	11°36	9°18	14°58	2°25	27°D33	29°10	0°59	22°46	F 5
S 6	16 57 40	15° 7'28	6♌ 1	28° 5	26°52	13°18	2°31	11°34	9°21	14°59	2°26	27°33	29° 7	1° 6	22°42	S 6
S 7	17 1 37	16° 4'48	19° 6	29°55	27°29	13°56	2°45	11°33	9°25	14°59	2°27	27°34	29° 4	1°13	22°38	S 7
M 8	17 5 33	17° 2'06	1♍48	1♊46	28° 6	14°34	2°59	11°31	9°28	14°59	2°28	27°36	29° 0	1°19	22°34	M 8
T 9	17 9 30	17°59'24	14°11	3°41	28°41	15°13	3°13	11°30	9°32	15° 0	2°29	27°R36	28°57	1°26	22°30	T 9
W10	17 13 26	18°56'41	26°19	5°38	29°14	15°51	3°27	11°28	9°35	15° 0	2°30	27°36	28°54	1°33	22°26	W10
T 11	17 17 23	19°53'57	8♎18	7°37	29°46	16°29	3°40	11°26	9°39	15° 1	2°31	27°34	28°51	1°40	22°22	T 11
F 12	17 21 19	20°51'12	20°11	9°38	0♌17	17° 7	3°54	11°24	9°42	15° 1	2°32	27°31	28°48	1°46	22°17	F 12
S 13	17 25 16	21°48'26	2♏ 4	11°41	0°47	17°45	4° 8	11°22	9°46	15° 2	2°33	27°26	28°44	1°53	22°13	S 13
S 14	17 29 12	22°45'40	13°59	13°46	1°15	18°23	4°21	11°20	9°49	15° 3	2°34	27°21	28°41	2° 0	22° 9	S 14
M15	17 33 9	23°42'53	25°59	15°53	1°41	19° 1	4°35	11°18	9°53	15° 3	2°35	27°15	28°38	2° 6	22° 5	M15
T 16	17 37 6	24°40'06	8♐ 6	18° 1	2° 5	19°39	4°49	11°15	9°56	15° 4	2°36	27° 9	28°35	2°13	22° 1	T 16
W17	17 41 2	25°37'18	20°24	20°10	2°28	20°17	5° 2	11°13	10° 0	15° 4	2°37	27° 4	28°32	2°20	21°57	W17
T 18	17 44 59	26°34'30	2♑51	22°20	2°50	20°55	5°16	11°11	10° 3	15° 5	2°37	27° 1	28°29	2°27	21°53	T 18
F 19	17 48 55	27°31'41	15°30	24°31	3° 9	21°33	5°29	11° 8	10° 7	15° 6	2°38	26°59	28°25	2°33	21°49	F 19
S 20	17 52 52	28°28'53	28°21	26°42	3°26	22°11	5°43	11° 5	10°10	15° 7	2°39	26°D59	28°22	2°40	21°45	S 20
S 21	17 56 48	29°26'04	11♒24	28°53	3°42	22°49	5°56	11° 3	10°13	15° 8	2°40	26°59	28°19	2°47	21°41	S 21
M22	18 0 45	0♋23'15	24°41	1♋ 4	3°56	23°27	6° 9	11° 0	10°17	15° 8	2°41	27° 1	28°16	2°53	21°37	M22
T 23	18 4 41	1°20'26	8♓12	3°15	4° 7	24° 5	6°23	10°57	10°20	15° 9	2°42	27° 2	28°13	3° 0	21°33	T 23
W24	18 8 38	2°17'37	21°58	5°25	4°17	24°43	6°36	10°54	10°24	15°10	2°42	27° 3	28°10	3° 7	21°29	W24
T 25	18 12 35	3°14'48	5♈58	7°34	4°24	25°21	6°49	10°51	10°27	15°11	2°43	27°R 3	28° 6	3°14	21°25	T 25
F 26	18 16 31	4°11'59	20°12	9°41	4°29	25°59	7° 2	10°48	10°30	15°12	2°44	27° 3	28° 3	3°20	21°21	F 26
S 27	18 20 28	5° 9'11	4♉38	11°48	4°32	26°37	7°16	10°45	10°34	15°13	2°45	27° 1	28° 0	3°27	21°17	S 27
S 28	18 24 24	6° 6'23	19°11	13°53	4°R33	27°15	7°29	10°42	10°37	15°14	2°45	26°59	27°57	3°34	21°14	S 28
M29	18 28 21	7° 3'35	3♊46	15°57	4°31	27°53	7°42	10°39	10°40	15°15	2°46	26°56	27°54	3°41	21°10	M29
T 30	18 32 17	8♋ 0'48	18♊18	17♋58	4♌27	28♋31	7♊55	10♒35	10♊43	15♍16	2♉47	26♋54	27♋50	3♏47	21♐ 6	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 3	14n29	4s35	15n27	2s18	23n55	2n31	24n17	1n11	19n50	0s40	18s 2	0s45	21n49	0s 2	7n 0	1n 9	2s58	16s14	20n38	20n19	6s52	16s58	6n20
T 2	22 11	18 7	3 50	16 2	2 9	23 43	2 26	24 14	1 11	19 52	0 40	18 2	0 45	21 50	0 2	7 0	1 9	2 57	16 14	20 40	20 20	6 54	16 58	6 21
W 3	22 19	20 31	2 50	16 36	2 0	23 31	2 22	24 11	1 11	19 55	0 40	18 3	0 45	21 50	0 2	7 0	1 9	2 57	16 14	20 41	20 21	6 56	16 57	6 21
T 4	22 26	21 32	1 41	17 10	1 50	23 19	2 17	24 7	1 11	19 58	0 40	18 3	0 45	21 51	0 2	7 0	1 9	2 57	16 14	20 41	20 21	6 59	16 57	6 21
F 5	22 33	21 9	0 27	17 45	1 40	23 6	2 12	24 4	1 11	20 1	0 40	18 4	0 45	21 51	0 2	6 59	1 9	2 57	16 15	20 42	20 22	7 1	16 57	6 21
S 6	22 39	19 33	0n46	18 19	1 29	22 54	2 6	24 0	1 11	20 4	0 39	18 4	0 45	21 52	0 2	6 59	1 9	2 57	16 15	20 42	20 23	7 3	16 56	6 22
S 7	22 46	16 56	1 54	18 54	1 19	22 41	2 1	23 56	1 11	20 7	0 39	18 5	0 45	21 52	0 2	6 59	1 9	2 57	16 15	20 41	20 23	7 6	16 56	6 22
M 8	22 51	13 35	2 55	19 27	1 8	22 28	1 55	23 52	1 11	20 9	0 39	18 6	0 46	21 53	0 2	6 59	1 9	2 56	16 15	20 41	20 24	7 8	16 55	6 22
T 9	22 57	9 43	3 46	20 0	0 57	22 14	1 49	23 48	1 11	20 12	0 39	18 6	0 46	21 53	0 2	6 59	1 9	2 56	16 15	20 41	20 25	7 10	16 55	6 22
W10	23 2	5 32	4 26	20 33	0 45	22 1	1 42	23 44	1 11	20 15	0 39	18 7	0 46	21 54	0 2	6 58	1 9	2 56	16 16	20 41	20 25	7 13	16 55	6 22
T 11	23 6	1 12	4 53	21 4	0 34	21 48	1 35	23 39	1 11	20 17	0 39	18 7	0 46	21 54	0 2	6 58	1 9	2 56	16 16	20 41	20 26	7 15	16 54	6 22
F 12	23 10	3s 9	5 8	21 34	0 23	21 34	1 28	23 34	1 11	20 20	0 39	18 8	0 46	21 55	0 2	6 58	1 9	2 56	16 16	20 42	20 27	7 17	16 54	6 23
S 13	23 14	7 22	5 10	22 2	0 12	21 20	1 21	23 29	1 11	20 23	0 39	18 9	0 46	21 55	0 2	6 58	1 9	2 56	16 16	20 43	20 27	7 20	16 53	6 23
S 14	23 17	11 20	4 58	22 29	0 1	21 7	1 13	23 24	1 11	20 25	0 39	18 10	0 46	21 56	0 2	6 58	1 9	2 56	16 17	20 44	20 28	7 22	16 53	6 23
M15	23 20	14 52	4 33	22 54	0n10	20 53	1 5	23 19	1 11	20 28	0 39	18 10	0 47	21 57	0 2	6 57	1 9	2 56	16 17	20 45	20 29	7 24	16 53	6 23
T 16	23 23	17 50	3 55	23 18	0 21	20 39	0 57	23 13	1 11	20 30	0 39	18 11	0 47	21 57	0 2	6 57	1 9	2 56	16 17	20 46	20 29	7 27	16 52	6 23
W17	23 25	20 2	3 7	23 38	0 31	20 26	0 48	23 8	1 11	20 33	0 39	18 12	0 47	21 58	0 2	6 57	1 9	2 56	16 17	20 47	20 30	7 29	16 52	6 23
T 18	23 27	21 19	2 8	23 57	0 41	20 12	0 39	23 2	1 11	20 35	0 39	18 13	0 47	21 58	0 2	6 56	1 9	2 56	16 17	20 48	20 31	7 31	16 52	6 23
F 19	23 28	21 33	1 2	24 13	0 50	19 58	0 30	22 56	1 11	20 38	0 39	18 13	0 47	21 59	0 2	6 56	1 8	2 55	16 18	20 48	20 31	7 34	16 51	6 23
S 20	23 29	20 39	0s 7	24 26	0 59	19 45	0 20	22 50	1 11	20 40	0 39	18 14	0 47	21 59	0 2	6 56	1 8	2 55	16 18	20 48	20 32	7 36	16 51	6 23
S 21	23 29	18 39	1 18	24 37	1 7	19 31	0 10	22 44	1 11	20 42	0 39	18 15	0 47	22 0	0 2	6 55	1 8	2 55	16 18	20 48	20 32	7 38	16 51	6 23
M22	23 29	15 37	2 26	24 44	1 15	19 18	0s 1	22 37	1 11	20 45	0 39	18 16	0 48	22 0	0 2	6 55	1 8	2 55	16 19	20 48	20 33	7 41	16 51	6 23
T 23	23 29	11 43	3 27	24 49	1 22	19 5	0 11	22 31	1 11	20 47	0 39	18 17	0 48	22 1	0 2	6 55	1 8	2 55	16 19	20 48	20 34	7 43	16 50	6 23
W24	23 28	7 8	4 17	24 51	1 28	18 52	0 23	22 24	1 11	20 49	0 39	18 18	0 48	22 1	0 2	6 54	1 8	2 55	16 19	20 47	20 34	7 45	16 50	6 23
T 25	23 27	2 7	4 53	24 50	1 34	18 39	0 34	22 17	1 11	20 52	0 39	18 19	0 48	22 2	0 2	6 54	1 8	2 55	16 19	20 47	20 35	7 48	16 50	6 23
F 26	23 25	3n 5	5 12	24 47	1 39	18 26	0 46	22 10	1 11	20 54	0 38	18 20	0 48	22 2	0 2	6 54	1 8	2 55	16 20	20 48	20 36	7 50	16 50	6 23
S 27	23 23	8 12	5 12	24 40	1 43	18 14	0 58	22 3	1 11	20 56	0 38	18 21	0 48	22 3	0 2	6 53	1 8	2 55	16 20	20 48	20 36	7 52	16 49	6 23
S 28	23 21	12 53	4 51	24 31	1 46	18 2	1 10	21 55	1 11	20 58	0 38	18 22	0 48	22 3	0 2	6 53	1 8	2 55	16 20	20 48	20 37	7 55	16 49	6 23
M29	23 18	16 49	4 12	24 20	1 49	17 50	1 23	21 48	1 11	21 0	0 38	18 23	0 49	22 4	0 2	6 52	1 8	2 55	16 20	20 49	20 38	7 57	16 49	6 23
T 30	23n15	19n42	3s17	24n 7	1n51	17n38	1s36	21n40	1n11	21n 3	0s38	18s24	0s49	22n 4	0s 2	6n52	1n 8	2s56	16s21	20n49	20n38	7s59	16s49	6n23

Julian Day Number = 2308886.5, Delta T = 77.32 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'21, Lahiri = 18°24'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

JULY 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 36 14	8♋58'01	2♋40	19♋59	4°R21	29♋ 9	8♊ 8	10°R32	10♊47	15♍17	2♉47	26°R52	27♋47	3♏54	21°R 2	W 1
T 2	18 40 10	9°55'13	16°48	21°57	4♌12	29°47	8°21	10♒28	10°50	15°18	2°48	26♋51	27°44	4° 1	20♐59	T 2
F 3	18 44 7	10°52'26	0♌35	23°53	4° 1	0♌25	8°34	10°25	10°53	15°19	2°49	26°D51	27°41	4° 7	20°55	F 3
S 4	18 48 4	11°49'39	14° 2	25°48	3°47	1° 3	8°46	10°21	10°56	15°21	2°49	26°51	27°38	4°14	20°51	S 4
S 5	18 52 0	12°46'52	27° 6	27°41	3°31	1°41	8°59	10°17	10°59	15°22	2°50	26°52	27°35	4°21	20°48	S 5
M 6	18 55 57	13°44'05	9♍49	29°31	3°13	2°19	9°12	10°14	11° 2	15°23	2°51	26°53	27°31	4°28	20°44	M 6
T 7	18 59 53	14°41'18	22°14	1♌20	2°52	2°57	9°25	10°10	11° 6	15°24	2°51	26°54	27°28	4°34	20°41	T 7
W 8	19 3 50	15°38'30	4♎25	3° 7	2°30	3°35	9°37	10° 6	11° 9	15°26	2°52	26°55	27°25	4°41	20°37	W 8
T 9	19 7 46	16°35'43	16°25	4°52	2° 5	4°13	9°50	10° 2	11°12	15°27	2°52	26°R55	27°22	4°48	20°34	T 9
F 10	19 11 43	17°32'56	28°20	6°35	1°38	4°51	10° 2	9°58	11°15	15°28	2°53	26°55	27°19	4°55	20°30	F 10
S 11	19 15 39	18°30'09	10♏13	8°17	1° 9	5°29	10°15	9°54	11°18	15°30	2°53	26°54	27°16	5° 1	20°27	S 11
S 12	19 19 36	19°27'23	22°10	9°56	0°39	6° 6	10°27	9°50	11°21	15°31	2°54	26°54	27°12	5° 8	20°24	S 12
M13	19 23 33	20°24'36	4♐13	11°33	0° 7	6°44	10°39	9°46	11°24	15°32	2°54	26°53	27° 9	5°15	20°20	M13
T 14	19 27 29	21°21'50	16°27	13° 9	29♋33	7°22	10°51	9°42	11°27	15°34	2°54	26°52	27° 6	5°21	20°17	T 14
W15	19 31 26	22°19'04	28°54	14°42	28°59	8° 0	11° 3	9°38	11°29	15°35	2°55	26°51	27° 3	5°28	20°14	W15
T 16	19 35 22	23°16'19	11♑36	16°14	28°23	8°38	11°15	9°34	11°32	15°37	2°55	26°51	27° 0	5°35	20°11	T 16
F 17	19 39 19	24°13'34	24°33	17°43	27°46	9°16	11°27	9°30	11°35	15°38	2°55	26°D51	26°56	5°42	20° 8	F 17
S 18	19 43 15	25°10'50	7♒46	19°11	27° 9	9°54	11°39	9°26	11°38	15°40	2°56	26°51	26°53	5°48	20° 5	S 18
S 19	19 47 12	26° 8'07	21°13	20°37	26°32	10°32	11°51	9°21	11°41	15°42	2°56	26°51	26°50	5°55	20° 2	S 19
M20	19 51 8	27° 5'24	4♓54	22° 1	25°54	11°10	12° 3	9°17	11°43	15°43	2°56	26°R51	26°47	6° 2	20° 0	M20
T 21	19 55 5	28° 2'42	18°47	23°22	25°17	11°48	12°15	9°13	11°46	15°45	2°57	26°51	26°44	6° 8	19°57	T 21
W22	19 59 2	29° 0'01	2♈48	24°42	24°40	12°26	12°26	9° 8	11°49	15°46	2°57	26°51	26°41	6°15	19°54	W22
T 23	20 2 58	29°57'21	16°57	25°59	24° 4	13° 4	12°38	9° 4	11°51	15°48	2°57	26°51	26°37	6°22	19°52	T 23
F 24	20 6 55	0♌54'42	1♉10	27°15	23°28	13°42	12°49	9° 0	11°54	15°50	2°57	26°D51	26°34	6°29	19°49	F 24
S 25	20 10 51	1°52'04	15°25	28°28	22°54	14°20	13° 1	8°55	11°57	15°51	2°58	26°51	26°31	6°35	19°47	S 25
S 26	20 14 48	2°49'28	29°39	29°39	22°21	14°58	13°12	8°51	11°59	15°53	2°58	26°51	26°28	6°42	19°44	S 26
M27	20 18 44	3°46'52	13♊50	0♍47	21°50	15°36	13°23	8°46	12° 2	15°55	2°58	26°52	26°25	6°49	19°42	M27
T 28	20 22 41	4°44'18	27°54	1°53	21°20	16°14	13°34	8°42	12° 4	15°57	2°58	26°52	26°22	6°56	19°40	T 28
W29	20 26 37	5°41'45	11♋49	2°57	20°52	16°52	13°45	8°37	12° 7	15°58	2°58	26°53	26°18	7° 2	19°38	W29
T 30	20 30 34	6°39'13	25°32	3°57	20°25	17°30	13°56	8°33	12° 9	16° 0	2°58	26°R53	26°15	7° 9	19°36	T 30
F 31	20 34 31	7♌36'43	9♌ 1	4♍56	20♋ 1	18♌ 8	14♊ 7	8♒28	12♊11	16♍ 2	2♉58	26♋53	26♋12	7♏16	19♐34	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n11	21n18	2s 9	23n51	1n52	17n27	1s49	21n32	1n11	21n 5	0s38	18s25	0s49	22n 4	0s 2	6n51	1n 8	2s56	16s21	20n50	20n39	8s 2	16s49	6n23
T 2	23 7	21 31	0 55	23 33	1 52	17 16	2 3	21 24	1 11	21 7	0 38	18 26	0 49	22 5	0 2	6 51	1 8	2 56	16 21	20 50	20 39	8 4	16 49	6 23
F 3	23 3	20 24	0n21	23 13	1 52	17 5	2 16	21 16	1 11	21 9	0 38	18 27	0 49	22 5	0 2	6 50	1 8	2 56	16 22	20 50	20 40	8 6	16 48	6 23
S 4	22 58	18 9	1 34	22 51	1 51	16 55	2 30	21 7	1 11	21 11	0 38	18 28	0 49	22 6	0 2	6 50	1 8	2 56	16 22	20 50	20 41	8 9	16 48	6 23
S 5	22 52	15 0	2 39	22 28	1 50	16 45	2 44	20 59	1 11	21 13	0 38	18 29	0 49	22 6	0 2	6 50	1 8	2 56	16 22	20 50	20 41	8 11	16 48	6 23
M 6	22 47	11 14	3 36	22 3	1 48	16 35	2 58	20 50	1 11	21 15	0 38	18 31	0 49	22 7	0 2	6 49	1 8	2 56	16 22	20 49	20 42	8 13	16 48	6 23
T 7	22 41	7 4	4 20	21 36	1 45	16 26	3 12	20 42	1 11	21 17	0 38	18 32	0 50	22 7	0 2	6 49	1 8	2 56	16 23	20 49	20 43	8 16	16 48	6 23
W 8	22 34	2 43	4 52	21 9	1 42	16 17	3 26	20 33	1 11	21 19	0 38	18 33	0 50	22 8	0 2	6 48	1 8	2 56	16 23	20 49	20 43	8 18	16 48	6 22
T 9	22 27	1s41	5 11	20 40	1 38	16 9	3 41	20 24	1 11	21 21	0 38	18 34	0 50	22 8	0 2	6 47	1 8	2 56	16 23	20 49	20 44	8 20	16 48	6 22
F 10	22 20	5 58	5 16	20 10	1 33	16 1	3 55	20 14	1 11	21 22	0 38	18 35	0 50	22 8	0 2	6 47	1 8	2 56	16 24	20 49	20 44	8 22	16 48	6 22
S 11	22 12	10 2	5 8	19 39	1 28	15 54	4 9	20 5	1 11	21 24	0 38	18 36	0 50	22 9	0 2	6 46	1 8	2 57	16 24	20 49	20 45	8 25	16 48	6 22
S 12	22 4	13 44	4 46	19 8	1 23	15 47	4 22	19 56	1 11	21 26	0 38	18 38	0 50	22 9	0 2	6 46	1 8	2 57	16 24	20 49	20 46	8 27	16 48	6 22
M13	21 56	16 54	4 12	18 35	1 17	15 40	4 36	19 46	1 11	21 28	0 38	18 39	0 50	22 10	0 2	6 45	1 8	2 57	16 25	20 49	20 46	8 29	16 48	6 22
T 14	21 47	19 23	3 26	18 2	1 11	15 34	4 49	19 36	1 11	21 30	0 38	18 40	0 50	22 10	0 2	6 45	1 8	2 57	16 25	20 50	20 47	8 32	16 48	6 21
W15	21 38	21 0	2 29	17 28	1 4	15 29	5 2	19 26	1 11	21 31	0 38	18 41	0 51	22 11	0 2	6 44	1 8	2 57	16 25	20 50	20 48	8 34	16 48	6 21
T 16	21 29	21 36	1 24	16 54	0 57	15 24	5 14	19 16	1 10	21 33	0 38	18 42	0 51	22 11	0 2	6 43	1 8	2 57	16 26	20 50	20 48	8 36	16 48	6 21
F 17	21 19	21 3	0 13	16 20	0 49	15 19	5 26	19 6	1 10	21 35	0 38	18 44	0 51	22 11	0 2	6 43	1 8	2 58	16 26	20 50	20 49	8 39	16 48	6 21
S 18	21 9	19 20	1s 0	15 45	0 41	15 15	5 38	18 56	1 10	21 36	0 38	18 45	0 51	22 12	0 2	6 42	1 8	2 58	16 26	20 50	20 49	8 41	16 48	6 20
S 19	20 58	16 31	2 11	15 10	0 33	15 11	5 48	18 46	1 10	21 38	0 38	18 46	0 51	22 12	0 2	6 42	1 8	2 58	16 27	20 50	20 50	8 43	16 48	6 20
M20	20 47	12 46	3 16	14 35	0 24	15 8	5 59	18 35	1 10	21 39	0 38	18 47	0 51	22 12	0 2	6 41	1 8	2 58	16 27	20 50	20 51	8 46	16 48	6 20
T 21	20 36	8 17	4 10	14 0	0 15	15 5	6 8	18 24	1 10	21 41	0 38	18 49	0 51	22 13	0 2	6 40	1 8	2 58	16 27	20 50	20 51	8 48	16 48	6 20
W22	20 24	3 19	4 49	13 24	0 6	15 3	6 17	18 14	1 10	21 43	0 38	18 50	0 51	22 13	0 2	6 40	1 8	2 59	16 27	20 50	20 52	8 50	16 48	6 19
T 23	20 12	1n52	5 12	12 49	0s 4	15 1	6 25	18 3	1 10	21 44	0 38	18 51	0 51	22 14	0 2	6 39	1 8	2 59	16 28	20 50	20 52	8 53	16 48	6 19
F 24	20 0	6 58	5 16	12 14	0 14	15 0	6 32	17 52	1 10	21 46	0 38	18 52	0 51	22 14	0 2	6 38	1 8	2 59	16 28	20 50	20 53	8 55	16 48	6 19
S 25	19 47	11 42	5 0	11 40	0 24	14 59	6 39	17 41	1 10	21 47	0 38	18 54	0 52	22 14	0 2	6 38	1 8	2 59	16 28	20 50	20 54	8 57	16 48	6 19
S 26	19 34	15 47	4 27	11 5	0 34	14 58	6 45	17 29	1 10	21 48	0 38	18 55	0 52	22 15	0 2	6 37	1 8	3 0	16 29	20 50	20 54	9 0	16 48	6 18
M27	19 21	18 56	3 36	10 31	0 45	14 58	6 50	17 18	1 10	21 50	0 38	18 56	0 52	22 15	0 2	6 36	1 8	3 0	16 29	20 50	20 55	9 2	16 48	6 18
T 28	19 7	20 55	2 34	9 58	0 55	14 58	6 54	17 6	1 9	21 51	0 38	18 57	0 52	22 15	0 2	6 36	1 8	3 0	16 29	20 50	20 55	9 4	16 49	6 18
W29	18 53	21 36	1 22	9 25	1 6	14 59	6 58	16 55	1 9	21 53	0 38	18 59	0 52	22 16	0 2	6 35	1 8	3 0	16 30	20 49	20 56	9 7	16 49	6 17
T 30	18 39	20 57	0 7	8 52	1 18	15 0	7 0	16 43	1 9	21 54	0 38	19 0	0 52	22 16	0 2	6 34	1 8	3 1	16 30	20 49	20 57	9 9	16 49	6 17
F 31	18n24	19n 7	1n 7	8n21	1s29	15n 1	7s 3	16n31	1n 9	21n55	0s38	19s 1	0s52	22n16	0s 2	6n33	1n 8	3s 1	16s30	20n49	20n57	9s11	16s49	6n17

Julian Day Number = 2308916.5, Delta T = 77.23 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'25, Lahiri = 18°24'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

AUGUST 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 38 27	8♌34'13	22♌13	5♍51	19°R39	18♌46	14♊18	8°R24	12♊14	16♍ 4	2♉58	26°R52	26♋ 9	7♏22	19°R32	S 1
S 2	20 42 24	9°31'44	5♍ 9	6°43	19♋20	19°24	14°28	8♒19	12°16	16° 6	2°R58	26♋51	26° 6	7°29	19♐30	S 2
M 3	20 46 20	10°29'16	17°47	7°32	19° 2	20° 2	14°39	8°15	12°18	16° 8	2°58	26°49	26° 2	7°36	19°28	M 3
T 4	20 50 17	11°26'48	0♎11	8°17	18°47	20°40	14°49	8°10	12°20	16° 9	2°58	26°47	25°59	7°43	19°26	T 4
W 5	20 54 13	12°24'22	12°21	8°59	18°34	21°19	15° 0	8° 6	12°23	16°11	2°58	26°45	25°56	7°49	19°25	W 5
T 6	20 58 10	13°21'57	24°21	9°38	18°24	21°57	15°10	8° 2	12°25	16°13	2°58	26°43	25°53	7°56	19°23	T 6
F 7	21 2 6	14°19'33	6♏16	10°12	18°16	22°35	15°20	7°57	12°27	16°15	2°58	26°42	25°50	8° 3	19°22	F 7
S 8	21 6 3	15°17'09	18° 9	10°43	18°10	23°13	15°30	7°53	12°29	16°17	2°58	26°D42	25°47	8° 9	19°20	S 8
S 9	21 10 0	16°14'47	0♐ 5	11° 9	18° 7	23°51	15°40	7°48	12°31	16°19	2°58	26°43	25°43	8°16	19°19	S 9
M10	21 13 56	17°12'26	12° 9	11°30	18°D 6	24°29	15°50	7°44	12°33	16°21	2°58	26°44	25°40	8°23	19°18	M10
T 11	21 17 53	18°10'05	24°26	11°47	18° 7	25° 7	16° 0	7°39	12°35	16°23	2°58	26°46	25°37	8°30	19°17	T 11
W12	21 21 49	19° 7'46	6♑58	11°59	18°11	25°45	16° 9	7°35	12°37	16°25	2°57	26°47	25°34	8°36	19°16	W12
T 13	21 25 46	20° 5'29	19°50	12° 5	18°16	26°23	16°19	7°31	12°38	16°27	2°57	26°48	25°31	8°43	19°15	T 13
F 14	21 29 42	21° 3'12	3♒ 2	12°R 6	18°24	27° 1	16°28	7°27	12°40	16°29	2°57	26°R48	25°27	8°50	19°14	F 14
S 15	21 33 39	22° 0'56	16°35	12° 1	18°35	27°40	16°37	7°22	12°42	16°31	2°57	26°47	25°24	8°56	19°13	S 15
S 16	21 37 35	22°58'42	0♓28	11°51	18°47	28°18	16°47	7°18	12°44	16°33	2°56	26°45	25°21	9° 3	19°13	S 16
M17	21 41 32	23°56'30	14°37	11°35	19° 1	28°56	16°56	7°14	12°45	16°35	2°56	26°41	25°18	9°10	19°12	M17
T 18	21 45 29	24°54'19	28°57	11°13	19°18	29°34	17° 4	7°10	12°47	16°38	2°56	26°37	25°15	9°17	19°12	T 18
W19	21 49 25	25°52'09	13♈23	10°45	19°36	0♍12	17°13	7° 6	12°48	16°40	2°55	26°33	25°12	9°23	19°11	W19
T 20	21 53 22	26°50'02	27°50	10°12	19°56	0°50	17°22	7° 1	12°50	16°42	2°55	26°30	25° 8	9°30	19°11	T 20
F 21	21 57 18	27°47'56	12♉12	9°33	20°18	1°29	17°30	6°57	12°51	16°44	2°55	26°28	25° 5	9°37	19°11	F 21
S 22	22 1 15	28°45'52	26°27	8°49	20°42	2° 7	17°39	6°53	12°53	16°46	2°54	26°D27	25° 2	9°44	19°11	S 22
S 23	22 5 11	29°43'50	10♊32	8° 1	21° 7	2°45	17°47	6°49	12°54	16°48	2°54	26°27	24°59	9°50	19°D10	S 23
M24	22 9 8	0♍41'50	24°25	7° 9	21°34	3°23	17°55	6°46	12°56	16°50	2°54	26°28	24°56	9°57	19°10	M24
T 25	22 13 4	1°39'52	8♋ 7	6°15	22° 3	4° 1	18° 3	6°42	12°57	16°53	2°53	26°30	24°53	10° 4	19°11	T 25
W26	22 17 1	2°37'56	21°37	5°18	22°33	4°40	18°11	6°38	12°58	16°55	2°53	26°R31	24°49	10°10	19°11	W26
T 27	22 20 58	3°36'01	4♌54	4°21	23° 4	5°18	18°19	6°34	12°59	16°57	2°52	26°31	24°46	10°17	19°11	T 27
F 28	22 24 54	4°34'09	18° 0	3°25	23°37	5°56	18°26	6°30	13° 0	16°59	2°52	26°29	24°43	10°24	19°12	F 28
S 29	22 28 51	5°32'18	0♍53	2°30	24°11	6°35	18°34	6°27	13° 1	17° 1	2°51	26°25	24°40	10°31	19°12	S 29
S 30	22 32 47	6°30'29	13°34	1°38	24°47	7°13	18°41	6°23	13° 2	17° 3	2°51	26°19	24°37	10°37	19°13	S 30
M31	22 36 44	7♍28'42	26♍ 3	0♍50	25♋24	7♍51	18♊48	6♒20	13♊ 3	17♍ 6	2♉50	26♋12	24♋33	10♏44	19♐13	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 9	16n16	2n16	7n50	1s40	15n 3	7s 4	16n19	1n 9	21n56	0s38	19s 2	0s52	22n17	0s 2	6n33	1n 8	3s 1	16s31	20n50	20n58	9s13	16s49	6n16
S 2	17 54	12 41	3 16	7 20	1 52	15 5	7 5	16 7	1 9	21 58	0 38	19 4	0 52	22 17	0 2	6 32	1 8	3 2	16 31	20 50	20 58	9 16	16 50	6 16
M 3	17 39	8 36	4 5	6 52	2 3	15 7	7 5	15 55	1 9	21 59	0 38	19 5	0 52	22 17	0 2	6 31	1 8	3 2	16 31	20 50	20 59	9 18	16 50	6 16
T 4	17 23	4 15	4 42	6 24	2 15	15 10	7 4	15 43	1 9	22 0	0 38	19 6	0 52	22 17	0 2	6 30	1 7	3 2	16 32	20 51	21 0	9 20	16 50	6 15
W 5	17 7	0s12	5 6	5 58	2 26	15 13	7 3	15 31	1 9	22 1	0 38	19 7	0 53	22 18	0 2	6 30	1 7	3 2	16 32	20 51	21 0	9 23	16 50	6 15
T 6	16 51	4 34	5 15	5 33	2 38	15 15	7 2	15 18	1 8	22 2	0 38	19 9	0 53	22 18	0 2	6 29	1 7	3 3	16 32	20 51	21 1	9 25	16 50	6 14
F 7	16 34	8 44	5 11	5 9	2 49	15 19	7 0	15 5	1 8	22 3	0 38	19 10	0 53	22 18	0 2	6 28	1 7	3 3	16 33	20 51	21 1	9 27	16 51	6 14
S 8	16 17	12 34	4 54	4 47	3 0	15 22	6 57	14 53	1 8	22 5	0 38	19 11	0 53	22 19	0 2	6 27	1 7	3 3	16 33	20 52	21 2	9 30	16 51	6 14
S 9	16 0	15 55	4 24	4 27	3 11	15 25	6 54	14 40	1 8	22 6	0 38	19 12	0 53	22 19	0 2	6 27	1 7	3 4	16 33	20 51	21 3	9 32	16 51	6 13
M10	15 43	18 38	3 42	4 9	3 22	15 29	6 50	14 27	1 8	22 7	0 38	19 14	0 53	22 19	0 2	6 26	1 7	3 4	16 34	20 51	21 3	9 34	16 52	6 13
T 11	15 25	20 34	2 49	3 53	3 32	15 33	6 47	14 14	1 8	22 8	0 38	19 15	0 53	22 19	0 2	6 25	1 7	3 4	16 34	20 51	21 4	9 37	16 52	6 13
W12	15 7	21 31	1 47	3 40	3 42	15 36	6 42	14 1	1 8	22 9	0 38	19 16	0 53	22 20	0 2	6 24	1 7	3 5	16 34	20 51	21 4	9 39	16 52	6 12
T 13	14 49	21 23	0 38	3 28	3 52	15 40	6 38	13 48	1 7	22 10	0 38	19 17	0 53	22 20	0 2	6 23	1 7	3 5	16 35	20 50	21 5	9 41	16 53	6 12
F 14	14 31	20 5	0s34	3 20	4 0	15 44	6 33	13 35	1 7	22 11	0 38	19 18	0 53	22 20	0 2	6 23	1 7	3 6	16 35	20 50	21 6	9 43	16 53	6 11
S 15	14 12	17 35	1 47	3 14	4 8	15 47	6 28	13 22	1 7	22 12	0 38	19 19	0 53	22 20	0 2	6 22	1 7	3 6	16 35	20 51	21 6	9 46	16 53	6 11
S 16	13 53	14 3	2 54	3 11	4 16	15 51	6 23	13 8	1 7	22 12	0 38	19 21	0 53	22 21	0 2	6 21	1 7	3 6	16 35	20 51	21 7	9 48	16 54	6 11
M17	13 34	9 39	3 52	3 12	4 22	15 55	6 17	12 55	1 7	22 13	0 38	19 22	0 53	22 21	0 2	6 20	1 7	3 7	16 36	20 52	21 7	9 50	16 54	6 10
T 18	13 15	4 39	4 37	3 15	4 27	15 58	6 11	12 41	1 7	22 14	0 38	19 23	0 53	22 21	0 2	6 19	1 7	3 7	16 36	20 52	21 8	9 53	16 54	6 10
W19	12 55	0n37	5 4	3 22	4 31	16 2	6 5	12 28	1 6	22 15	0 38	19 24	0 53	22 21	0 2	6 19	1 7	3 7	16 36	20 53	21 8	9 55	16 55	6 9
T 20	12 36	5 52	5 12	3 32	4 33	16 5	5 59	12 14	1 6	22 16	0 38	19 25	0 53	22 21	0 2	6 18	1 7	3 8	16 37	20 54	21 9	9 57	16 55	6 9
F 21	12 16	10 45	5 1	3 46	4 34	16 8	5 53	12 0	1 6	22 17	0 38	19 26	0 54	22 22	0 2	6 17	1 7	3 8	16 37	20 54	21 10	10 0	16 56	6 8
S 22	11 56	15 1	4 31	4 3	4 34	16 11	5 46	11 46	1 6	22 17	0 38	19 27	0 54	22 22	0 2	6 16	1 7	3 9	16 37	20 54	21 10	10 2	16 56	6 8
S 23	11 35	18 22	3 45	4 23	4 31	16 14	5 39	11 32	1 6	22 18	0 38	19 28	0 54	22 22	0 2	6 15	1 7	3 9	16 38	20 54	21 11	10 4	16 56	6 8
M24	11 15	20 36	2 46	4 46	4 27	16 17	5 33	11 18	1 6	22 19	0 38	19 29	0 54	22 22	0 2	6 14	1 7	3 9	16 38	20 54	21 11	10 6	16 57	6 7
T 25	10 54	21 36	1 39	5 12	4 20	16 19	5 26	11 4	1 5	22 20	0 38	19 30	0 54	22 22	0 2	6 14	1 7	3 10	16 38	20 54	21 12	10 9	16 57	6 7
W26	10 33	21 19	0 27	5 41	4 12	16 21	5 19	10 50	1 5	22 20	0 38	19 31	0 54	22 23	0 2	6 13	1 7	3 10	16 38	20 54	21 12	10 11	16 58	6 6
T 27	10 12	19 49	0n46	6 11	4 2	16 23	5 12	10 36	1 5	22 21	0 38	19 32	0 54	22 23	0 2	6 12	1 7	3 11	16 39	20 54	21 13	10 13	16 58	6 6
F 28	9 51	17 17	1 54	6 42	3 50	16 25	5 5	10 21	1 5	22 22	0 38	19 33	0 54	22 23	0 2	6 11	1 7	3 11	16 39	20 54	21 14	10 16	16 59	6 5
S 29	9 30	13 55	2 56	7 15	3 36	16 26	4 58	10 7	1 5	22 22	0 38	19 34	0 54	22 23	0 2	6 10	1 7	3 12	16 39	20 55	21 14	10 18	16 59	6 5
S 30	9 9	9 58	3 47	7 47	3 21	16 27	4 51	9 53	1 5	22 23	0 38	19 35	0 54	22 23	0 2	6 9	1 7	3 12	16 40	20 56	21 15	10 20	17 0	6 4
M31	8n47	5n39	4n27	8n20	3s 4	16n27	4s43	9n38	1n 4	22n23	0s38	19s36	0s54	22n23	0s 2	6n 8	1n 7	3s12	16s40	20n57	21n15	10s23	17s 0	6n 4

Julian Day Number = 2308947.5, Delta T = 77.13 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'29, Lahiri = 18°24'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

SEPTEMBER 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 40 40	8♍26'56	8♎19	0°R 8	26♋ 2	8♍30	18♊55	6°R16	13♊ 4	17♍ 8	2°R49	26°R 4	24♋30	10♏51	19♐14	T 1
W 2	22 44 37	9°25'12	20°26	29♌32	26°41	9° 8	19° 2	6♒13	13° 5	17°10	2♉49	25♋57	24°27	10°57	19°15	W 2
T 3	22 48 33	10°23'29	2♏24	29° 3	27°21	9°46	19° 9	6°10	13° 6	17°12	2°48	25°50	24°24	11° 4	19°16	T 3
F 4	22 52 30	11°21'48	14°17	28°42	28° 3	10°25	19°15	6° 6	13° 7	17°14	2°48	25°45	24°21	11°11	19°17	F 4
S 5	22 56 27	12°20'09	26° 8	28°30	28°45	11° 3	19°22	6° 3	13° 8	17°17	2°47	25°41	24°18	11°18	19°18	S 5
S 6	23 0 23	13°18'32	8♐ 2	28°D27	29°28	11°42	19°28	6° 0	13° 8	17°19	2°46	25°D39	24°14	11°24	19°19	S 6
M 7	23 4 20	14°16'56	20° 3	28°33	0♌13	12°20	19°34	5°57	13° 9	17°21	2°46	25°40	24°11	11°31	19°20	M 7
T 8	23 8 16	15°15'21	2♑18	28°48	0°58	12°58	19°40	5°54	13° 9	17°23	2°45	25°41	24° 8	11°38	19°22	T 8
W 9	23 12 13	16°13'49	14°50	29°13	1°44	13°37	19°46	5°51	13°10	17°26	2°44	25°42	24° 5	11°44	19°23	W 9
T 10	23 16 9	17°12'18	27°44	29°46	2°31	14°15	19°51	5°48	13°10	17°28	2°43	25°R42	24° 2	11°51	19°25	T 10
F 11	23 20 6	18°10'48	11♒ 3	0♍28	3°19	14°54	19°57	5°46	13°11	17°30	2°43	25°41	23°59	11°58	19°26	F 11
S 12	23 24 2	19° 9'21	24°48	1°19	4° 8	15°32	20° 2	5°43	13°11	17°32	2°42	25°38	23°55	12° 5	19°28	S 12
S 13	23 27 59	20° 7'55	8♓59	2°17	4°57	16°11	20° 7	5°41	13°12	17°35	2°41	25°32	23°52	12°11	19°30	S 13
M14	23 31 56	21° 6'31	23°31	3°22	5°48	16°49	20°12	5°38	13°12	17°37	2°40	25°25	23°49	12°18	19°32	M14
T 15	23 35 52	22° 5'09	8♈18	4°34	6°39	17°28	20°17	5°36	13°12	17°39	2°40	25°16	23°46	12°25	19°34	T 15
W16	23 39 49	23° 3'49	23°12	5°52	7°30	18° 6	20°21	5°33	13°12	17°41	2°39	25° 7	23°43	12°31	19°36	W16
T 17	23 43 45	24° 2'31	8♉ 3	7°15	8°23	18°45	20°26	5°31	13°12	17°43	2°38	25° 0	23°39	12°38	19°38	T 17
F 18	23 47 42	25° 1'15	22°44	8°43	9°16	19°24	20°30	5°29	13°12	17°46	2°37	24°54	23°36	12°45	19°40	F 18
S 19	23 51 38	26° 0'02	7♊10	10°15	10°10	20° 2	20°34	5°27	13°R12	17°48	2°36	24°50	23°33	12°52	19°43	S 19
S 20	23 55 35	26°58'51	21°16	11°51	11° 4	20°41	20°38	5°25	13°12	17°50	2°35	24°D48	23°30	12°58	19°45	S 20
M21	23 59 31	27°57'43	5♋ 4	13°29	11°59	21°19	20°41	5°23	13°12	17°52	2°34	24°48	23°27	13° 5	19°47	M21
T 22	0 3 28	28°56'37	18°33	15°10	12°54	21°58	20°45	5°21	13°12	17°54	2°34	24°R49	23°24	13°12	19°50	T 22
W23	0 7 24	29°55'33	1♌45	16°53	13°50	22°37	20°48	5°20	13°12	17°57	2°33	24°49	23°20	13°18	19°53	W23
T 24	0 11 21	0♎54'31	14°43	18°38	14°47	23°16	20°51	5°18	13°12	17°59	2°32	24°47	23°17	13°25	19°55	T 24
F 25	0 15 18	1°53'32	27°29	20°23	15°44	23°54	20°54	5°17	13°11	18° 1	2°31	24°43	23°14	13°32	19°58	F 25
S 26	0 19 14	2°52'34	10♍ 3	22°10	16°42	24°33	20°57	5°15	13°11	18° 3	2°30	24°36	23°11	13°39	20° 1	S 26
S 27	0 23 11	3°51'39	22°28	23°57	17°40	25°12	20°59	5°14	13°11	18° 5	2°29	24°26	23° 8	13°45	20° 4	S 27
M28	0 27 7	4°50'46	4♎44	25°44	18°38	25°51	21° 2	5°13	13°10	18° 8	2°28	24°14	23° 4	13°52	20° 7	M28
T 29	0 31 4	5°49'55	16°51	27°32	19°37	26°29	21° 4	5°12	13°10	18°10	2°27	24° 0	23° 1	13°59	20°10	T 29
W30	0 35 0	6♎49'06	28♎52	29♍19	20♌37	27♍ 8	21♊ 6	5♒11	13♊ 9	18♍12	2♉26	23♋47	22♋58	14♏ 5	20♐13	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	8n25	1n11	4n54	8n51	2s47	16n28	4s36	9n24	1n 4	22n24	0s38	19s37	0s54	22n23	0s 2	6n 8	1n 7	3s13	16s40	20n59	21n16	10s25	17s 1	6n 4	
W 2	8 3	3s15	5 7	9 21	2 28	16 28	4 29	9 9	1 4	22 25	0 38	19 38	0 54	22 23	0 2	6 7	1 7	3 13	16 40	21 0	21 16	10 27	17 1	6 3	
T 3	7 41	7 32	5 6	9 49	2 9	16 27	4 22	8 54	1 4	22 25	0 38	19 39	0 54	22 24	0 2	6 6	1 7	3 14	16 41	21 1	21 17	10 29	17 2	6 3	
F 4	7 19	11 30	4 52	10 14	1 50	16 26	4 14	8 40	1 4	22 26	0 38	19 39	0 54	22 24	0 2	6 5	1 7	3 14	16 41	21 2	21 18	10 32	17 2	6 2	
S 5	6 57	15 1	4 26	10 36	1 30	16 25	4 7	8 25	1 3	22 26	0 38	19 40	0 54	22 24	0 1	6 4	1 7	3 15	16 41	21 3	21 18	10 34	17 3	6 2	
S 6	6 34	17 56	3 48	10 55	1 11	16 24	4 0	8 10	1 3	22 27	0 38	19 41	0 54	22 24	0 1	6 3	1 7	3 15	16 41	21 3	21 19	10 36	17 3	6 1	
M 7	6 12	20 7	3 0	11 11	0 53	16 22	3 52	7 55	1 3	22 27	0 38	19 42	0 54	22 24	0 1	6 2	1 7	3 16	16 42	21 3	21 19	10 39	17 4	6 1	
T 8	5 49	21 26	2 3	11 23	0 34	16 19	3 45	7 40	1 3	22 28	0 38	19 43	0 54	22 24	0 1	6 2	1 7	3 16	16 42	21 3	21 20	10 41	17 4	6 0	
W 9	5 27	21 42	0 58	11 30	0 17	16 16	3 38	7 25	1 3	22 28	0 38	19 43	0 54	22 24	0 1	6 1	1 7	3 16	16 42	21 3	21 20	10 43	17 5	6 0	
T 10	5 4	20 50	0s11	11 34	0 0	16 13	3 31	7 10	1 2	22 28	0 38	19 44	0 54	22 24	0 1	6 0	1 7	3 17	16 42	21 3	21 21	10 45	17 5	6 0	
F 11	4 41	18 48	1 21	11 34	0n15	16 9	3 23	6 55	1 2	22 29	0 38	19 45	0 54	22 24	0 1	5 59	1 7	3 17	16 43	21 3	21 21	10 48	17 6	5 59	
S 12	4 18	15 38	2 30	11 30	0 30	16 5	3 16	6 40	1 2	22 29	0 38	19 45	0 54	22 24	0 1	5 58	1 7	3 18	16 43	21 4	21 22	10 50	17 7	5 59	
S 13	3 55	11 28	3 30	11 21	0 43	16 0	3 9	6 25	1 2	22 30	0 38	19 46	0 54	22 24	0 1	5 57	1 7	3 18	16 43	21 5	21 23	10 52	17 7	5 58	
M14	3 32	6 32	4 19	11 9	0 55	15 55	3 2	6 9	1 1	22 30	0 38	19 47	0 54	22 24	0 1	5 56	1 7	3 19	16 43	21 6	21 23	10 54	17 8	5 58	
T 15	3 9	1 10	4 51	10 53	1 6	15 50	2 55	5 54	1 1	22 30	0 38	19 47	0 54	22 24	0 1	5 56	1 7	3 19	16 43	21 8	21 24	10 57	17 8	5 57	
W16	2 46	4n19	5 4	10 33	1 16	15 44	2 48	5 39	1 1	22 31	0 38	19 48	0 54	22 24	0 1	5 55	1 7	3 20	16 44	21 9	21 24	10 59	17 9	5 57	
T 17	2 22	9 32	4 57	10 10	1 24	15 37	2 41	5 23	1 1	22 31	0 38	19 48	0 54	22 24	0 1	5 54	1 7	3 20	16 44	21 11	21 25	11 1	17 10	5 57	
F 18	1 59	14 9	4 30	9 44	1 31	15 30	2 34	5 8	1 0	22 31	0 38	19 49	0 54	22 25	0 1	5 53	1 7	3 21	16 44	21 12	21 25	11 4	17 10	5 56	
S 19	1 36	17 50	3 46	9 15	1 38	15 23	2 27	4 53	1 0	22 31	0 38	19 49	0 54	22 25	0 1	5 52	1 8	3 21	16 44	21 12	21 26	11 6	17 11	5 56	
S 20	1 12	20 24	2 49	8 43	1 43	15 15	2 20	4 37	1 0	22 32	0 38	19 50	0 54	22 25	0 1	5 51	1 8	3 22	16 44	21 13	21 26	11 8	17 11	5 55	
M21	0 49	21 40	1 43	8 9	1 47	15 6	2 13	4 22	1 0	22 32	0 38	19 50	0 54	22 25	0 1	5 50	1 8	3 22	16 45	21 13	21 27	11 10	17 12	5 55	
T 22	0 25	21 39	0 33	7 32	1 50	14 57	2 6	4 6	0 59	22 32	0 38	19 51	0 54	22 25	0 1	5 50	1 8	3 22	16 45	21 13	21 27	11 13	17 13	5 54	
W23	0 2	20 25	0n37	6 54	1 52	14 48	2 0	3 51	0 59	22 32	0 38	19 51	0 54	22 24	0 1	5 49	1 8	3 23	16 45	21 13	21 28	11 15	17 13	5 54	
T 24	0s22	18 6	1 44	6 14	1 53	14 38	1 53	3 35	0 59	22 33	0 38	19 52	0 54	22 24	0 1	5 48	1 8	3 23	16 45	21 13	21 29	11 17	17 14	5 54	
F 25	0 45	14 57	2 44	5 33	1 53	14 28	1 46	3 19	0 59	22 33	0 38	19 52	0 54	22 24	0 1	5 47	1 8	3 24	16 45	21 14	21 29	11 19	17 14	5 53	
S 26	1 9	11 8	3 36	4 51	1 53	14 17	1 40	3 4	0 58	22 33	0 38	19 52	0 54	22 24	0 1	5 46	1 8	3 24	16 45	21 15	21 30	11 22	17 15	5 53	
S 27	1 32	6 55	4 16	4 7	1 52	14 5	1 33	2 48	0 58	22 33	0 38	19 53	0 54	22 24	0 1	5 45	1 8	3 25	16 46	21 17	21 30	11 24	17 16	5 52	
M28	1 56	2 28	4 44	3 23	1 50	13 54	1 27	2 33	0 58	22 33	0 38	19 53	0 54	22 24	0 1	5 45	1 8	3 25	16 46	21 19	21 31	11 26	17 16	5 52	
T 29	2 19	2s 2	4 58	2 38	1 48	13 41	1 21	2 17	0 58	22 33	0 38	19 53	0 54	22 24	0 1	5 44	1 8	3 26	16 46	21 21	21 31	11 29	17 17	5 52	
W30	2s43	6s25	5n 0	1n52	1n45	13n29	1s14	2n 1	0n57	22n34	0s38	19s53	0s54	22n24	0s 1	5n43	1n 8	3s26	16s46	21n23	21n32	11s31	17s17	5n51	

Julian Day Number = 2308978.5, Delta T = 77.04 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'33, Lahiri = 18°24'34Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1609
geocentric

OCTOBER 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 38 57	7♎48'19	10♏46	1♎ 6	21♌37	27♍47	21♊ 8	5°R10	13°R 8	18♍14	2°R25	23°R35	22♋55	14♏12	20♐17	T 1
F 2	0 42 53	8°47'34	22°37	2°53	22°37	28°26	21° 9	5♒ 9	13♊ 8	18°16	2♉24	23♋25	22°52	14°19	20°20	F 2
S 3	0 46 50	9°46'51	4♐26	4°40	23°38	29° 5	21°11	5° 8	13° 7	18°18	2°23	23°17	22°49	14°26	20°23	S 3
S 4	0 50 47	10°46'10	16°18	6°26	24°39	29°44	21°12	5° 8	13° 6	18°20	2°22	23°12	22°45	14°32	20°27	S 4
M 5	0 54 43	11°45'31	28°17	8°11	25°41	0♎23	21°13	5° 7	13° 5	18°22	2°21	23°10	22°42	14°39	20°31	M 5
T 6	0 58 40	12°44'53	10♑27	9°56	26°42	1° 1	21°14	5° 7	13° 5	18°24	2°20	23°D 9	22°39	14°46	20°34	T 6
W 7	1 2 36	13°44'17	22°54	11°40	27°45	1°40	21°14	5° 6	13° 4	18°27	2°19	23°R 9	22°36	14°52	20°38	W 7
T 8	1 6 33	14°43'43	5♒44	13°24	28°47	2°19	21°15	5° 6	13° 3	18°29	2°18	23° 8	22°33	14°59	20°42	T 8
F 9	1 10 29	15°43'11	19° 0	15° 7	29°50	2°58	21°R15	5° 6	13° 2	18°31	2°17	23° 6	22°30	15° 6	20°46	F 9
S 10	1 14 26	16°42'41	2♓46	16°49	0♍53	3°37	21°15	5°D 6	13° 1	18°33	2°15	23° 2	22°26	15°13	20°50	S 10
S 11	1 18 22	17°42'12	17° 2	18°30	1°57	4°16	21°15	5° 6	13° 0	18°35	2°14	22°55	22°23	15°19	20°54	S 11
M12	1 22 19	18°41'45	1♈44	20°11	3° 1	4°55	21°14	5° 6	12°58	18°37	2°13	22°45	22°20	15°26	20°58	M12
T 13	1 26 16	19°41'20	16°47	21°52	4° 5	5°34	21°14	5° 7	12°57	18°39	2°12	22°34	22°17	15°33	21° 2	T 13
W14	1 30 12	20°40'57	2♉ 0	23°31	5°10	6°14	21°13	5° 7	12°56	18°41	2°11	22°23	22°14	15°39	21° 6	W14
T 15	1 34 9	21°40'37	17°13	25°10	6°14	6°53	21°12	5° 7	12°55	18°43	2°10	22°12	22°10	15°46	21°10	T 15
F 16	1 38 5	22°40'18	2♊16	26°48	7°20	7°32	21°11	5° 8	12°53	18°44	2° 9	22° 4	22° 7	15°53	21°15	F 16
S 17	1 42 2	23°40'02	16°59	28°26	8°25	8°11	21° 9	5° 9	12°52	18°46	2° 8	21°58	22° 4	16° 0	21°19	S 17
S 18	1 45 58	24°39'48	1♋18	0♏ 3	9°31	8°50	21° 8	5°10	12°51	18°48	2° 7	21°56	22° 1	16° 6	21°23	S 18
M19	1 49 55	25°39'36	15°11	1°40	10°37	9°29	21° 6	5°10	12°49	18°50	2° 5	21°55	21°58	16°13	21°28	M19
T 20	1 53 51	26°39'27	28°40	3°16	11°43	10° 9	21° 4	5°11	12°48	18°52	2° 4	21°55	21°55	16°20	21°32	T 20
W21	1 57 48	27°39'20	11♌46	4°52	12°49	10°48	21° 2	5°13	12°46	18°54	2° 3	21°54	21°51	16°26	21°37	W21
T 22	2 1 45	28°39'15	24°34	6°27	13°56	11°27	20°59	5°14	12°44	18°56	2° 2	21°52	21°48	16°33	21°42	T 22
F 23	2 5 41	29°39'12	7♍ 7	8° 1	15° 3	12° 6	20°57	5°15	12°43	18°57	2° 1	21°47	21°45	16°40	21°47	F 23
S 24	2 9 38	0♏39'11	19°28	9°35	16°10	12°46	20°54	5°17	12°41	18°59	2° 0	21°40	21°42	16°47	21°51	S 24
S 25	2 13 34	1°39'13	1♎39	11° 9	17°17	13°25	20°51	5°18	12°39	19° 1	1°59	21°29	21°39	16°53	21°56	S 25
M26	2 17 31	2°39'16	13°44	12°42	18°25	14° 4	20°48	5°20	12°38	19° 3	1°58	21°16	21°36	17° 0	22° 1	M26
T 27	2 21 27	3°39'22	25°43	14°14	19°33	14°44	20°44	5°21	12°36	19° 4	1°56	21° 2	21°32	17° 7	22° 6	T 27
W28	2 25 24	4°39'29	7♏38	15°47	20°41	15°23	20°41	5°23	12°34	19° 6	1°55	20°47	21°29	17°13	22°11	W28
T 29	2 29 20	5°39'38	19°29	17°18	21°49	16° 3	20°37	5°25	12°32	19° 8	1°54	20°34	21°26	17°20	22°16	T 29
F 30	2 33 17	6°39'49	1♐19	18°50	22°57	16°42	20°33	5°27	12°30	19° 9	1°53	20°23	21°23	17°27	22°22	F 30
S 31	2 37 13	7♏40'02	13♐10	20♏21	24♍ 6	17♎22	20♊29	5♒29	12♊28	19♍11	1♉52	20♋14	21♋20	17♏33	22♐27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
T 1	3s 6	10s32	4n48	1n 7	1n42	13n15	1s 8	1n45	0n57	22n34	0s38	19s54	0s54	22n24	0s 1	5n42	1n 8	3s27	16s46	21n26	21n32	11s33	17s18	5n51
F 2	3 30	14 13	4 23	0 21	1 38	13 2	1 2	1 30	0 57	22 34	0 38	19 54	0 54	22 24	0 1	5 41	1 8	3 27	16 46	21 27	21 33	11 35	17 19	5 50
S 3	3 53	17 21	3 48	0s25	1 34	12 47	0 56	1 14	0 57	22 34	0 38	19 54	0 54	22 24	0 1	5 40	1 8	3 27	16 46	21 29	21 33	11 38	17 19	5 50
S 4	4 16	19 46	3 2	1 12	1 29	12 33	0 50	0 58	0 56	22 34	0 38	19 54	0 54	22 24	0 1	5 40	1 8	3 28	16 47	21 29	21 34	11 40	17 20	5 50
M 5	4 40	21 21	2 8	1 58	1 24	12 18	0 44	0 42	0 56	22 34	0 38	19 54	0 54	22 24	0 1	5 39	1 8	3 28	16 47	21 30	21 34	11 42	17 21	5 49
T 6	5 3	21 58	1 7	2 44	1 19	12 2	0 38	0 27	0 56	22 34	0 38	19 54	0 54	22 24	0 1	5 38	1 8	3 29	16 47	21 30	21 35	11 44	17 21	5 49
W 7	5 26	21 31	0 1	3 30	1 14	11 46	0 33	0 11	0 55	22 34	0 38	19 54	0 54	22 24	0 1	5 37	1 8	3 29	16 47	21 30	21 35	11 47	17 22	5 48
T 8	5 49	19 57	1s 6	4 15	1 8	11 30	0 27	0s 5	0 55	22 34	0 38	19 54	0 54	22 23	0 1	5 36	1 8	3 30	16 47	21 30	21 36	11 49	17 22	5 48
F 9	6 12	17 15	2 12	5 0	1 2	11 13	0 22	0 21	0 55	22 34	0 38	19 54	0 54	22 23	0 1	5 36	1 8	3 30	16 47	21 30	21 36	11 51	17 23	5 48
S 10	6 35	13 30	3 13	5 45	0 56	10 56	0 16	0 37	0 55	22 34	0 38	19 54	0 54	22 23	0 1	5 35	1 8	3 30	16 47	21 31	21 37	11 53	17 24	5 47
S 11	6 58	8 52	4 4	6 30	0 50	10 38	0 11	0 52	0 54	22 34	0 38	19 54	0 54	22 23	0 1	5 34	1 8	3 31	16 47	21 32	21 38	11 56	17 24	5 47
M12	7 20	3 36	4 40	7 14	0 44	10 20	0 6	1 8	0 54	22 34	0 38	19 54	0 54	22 23	0 1	5 33	1 8	3 31	16 47	21 34	21 38	11 58	17 25	5 47
T 13	7 43	2n 1	4 59	7 58	0 37	10 2	0 0	1 24	0 54	22 34	0 38	19 54	0 54	22 23	0 1	5 33	1 8	3 32	16 47	21 36	21 39	12 0	17 25	5 46
W14	8 6	7 34	4 56	8 41	0 31	9 43	0n 5	1 40	0 53	22 34	0 38	19 54	0 54	22 23	0 1	5 32	1 8	3 32	16 47	21 38	21 39	12 2	17 26	5 46
T 15	8 28	12 39	4 32	9 23	0 24	9 23	0 10	1 56	0 53	22 34	0 38	19 54	0 54	22 23	0 1	5 31	1 8	3 33	16 47	21 39	21 40	12 5	17 27	5 46
F 16	8 50	16 54	3 50	10 5	0 17	9 4	0 14	2 11	0 53	22 34	0 38	19 54	0 54	22 22	0 1	5 30	1 8	3 33	16 47	21 41	21 40	12 7	17 27	5 45
S 17	9 12	19 59	2 53	10 46	0 11	8 44	0 19	2 27	0 52	22 34	0 38	19 54	0 54	22 22	0 1	5 30	1 8	3 33	16 48	21 42	21 41	12 9	17 28	5 45
S 18	9 34	21 42	1 47	11 27	0 4	8 23	0 24	2 43	0 52	22 34	0 38	19 54	0 54	22 22	0 1	5 29	1 8	3 34	16 48	21 42	21 41	12 11	17 28	5 45
M19	9 56	22 2	0 35	12 7	0s 3	8 3	0 29	2 59	0 52	22 34	0 38	19 53	0 54	22 22	0 1	5 28	1 8	3 34	16 48	21 42	21 42	12 13	17 29	5 44
T 20	10 18	21 3	0n36	12 47	0 10	7 42	0 33	3 14	0 51	22 34	0 38	19 53	0 54	22 22	0 1	5 28	1 8	3 35	16 48	21 42	21 42	12 16	17 30	5 44
W21	10 40	18 56	1 43	13 25	0 16	7 20	0 37	3 30	0 51	22 33	0 38	19 53	0 54	22 21	0 1	5 27	1 8	3 35	16 48	21 42	21 43	12 18	17 30	5 44
T 22	11 1	15 55	2 43	14 4	0 23	6 58	0 42	3 46	0 51	22 33	0 38	19 52	0 54	22 21	0 1	5 26	1 8	3 35	16 48	21 43	21 43	12 20	17 31	5 44
F 23	11 22	12 14	3 34	14 41	0 30	6 36	0 46	4 1	0 50	22 33	0 38	19 52	0 54	22 21	0 1	5 26	1 8	3 36	16 48	21 43	21 44	12 22	17 31	5 43
S 24	11 43	8 5	4 15	15 17	0 36	6 14	0 50	4 17	0 50	22 33	0 38	19 52	0 54	22 21	0 1	5 25	1 8	3 36	16 48	21 45	21 44	12 25	17 32	5 43
S 25	12 4	3 40	4 43	15 53	0 43	5 51	0 54	4 33	0 50	22 33	0 38	19 51	0 54	22 21	0 1	5 24	1 8	3 36	16 48	21 46	21 45	12 27	17 33	5 43
M26	12 25	0s52	4 57	16 28	0 50	5 29	0 58	4 48	0 49	22 33	0 38	19 51	0 54	22 20	0 1	5 24	1 8	3 37	16 48	21 48	21 45	12 29	17 33	5 42
T 27	12 46	5 19	4 59	17 2	0 56	5 5	1 1	5 4	0 49	22 32	0 38	19 50	0 54	22 20	0 1	5 23	1 8	3 37	16 48	21 50	21 46	12 31	17 34	5 42
W28	13 6	9 33	4 47	17 35	1 2	4 42	1 5	5 19	0 49	22 32	0 38	19 50	0 54	22 20	0 1	5 22	1 9	3 37	16 48	21 53	21 46	12 34	17 34	5 42
T 29	13 26	13 25	4 23	18 8	1 9	4 18	1 9	5 35	0 48	22 32	0 38	19 50	0 54	22 20	0 1	5 22	1 9	3 38	16 47	21 55	21 47	12 36	17 35	5 42
F 30	13 46	16 45	3 48	18 39	1 15	3 54	1 12	5 51	0 48	22 32	0 38	19 49	0 54	22 20	0 1	5 21	1 9	3 38	16 47	21 56	21 47	12 38	17 35	5 41
S 31	14s 6	19s24	3n 2	19s10	1s21	3n30	1n15	6s 6	0n47	22n31	0s37	19s49	0s54	22n19	0s 1	5n20	1n 9	3s38	16s47	21n58	21n48	12s40	17s36	5n41

Julian Day Number = 2309008.5, Delta T = 76.95 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'37, Lahiri = 18°24'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

NOVEMBER 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 41 10	8♏40'17	25♐ 3	21♏51	25♍14	18♎ 1	20°R25	5♒31	12°R26	19♍13	1°R51	20°R 9	21♋16	17♏40	22♐32	S 1
M 2	2 45 7	9°40'33	7♑ 2	23°21	26°23	18°41	20♊20	5°34	12♊24	19°14	1♉50	20♋ 6	21°13	17°47	22°37	M 2
T 3	2 49 3	10°40'50	19°12	24°51	27°33	19°20	20°15	5°36	12°22	19°16	1°49	20°D 5	21°10	17°54	22°43	T 3
W 4	2 53 0	11°41'09	1♒36	26°20	28°42	20° 0	20°11	5°39	12°20	19°17	1°47	20° 5	21° 7	18° 0	22°48	W 4
T 5	2 56 56	12°41'30	14°21	27°49	29°51	20°39	20° 5	5°41	12°18	19°19	1°46	20°R 5	21° 4	18° 7	22°54	T 5
F 6	3 0 53	13°41'52	27°30	29°18	1♎ 1	21°19	20° 0	5°44	12°16	19°20	1°45	20° 4	21° 1	18°14	22°59	F 6
S 7	3 4 49	14°42'15	11♓ 7	0♐46	2°11	21°59	19°55	5°47	12°14	19°22	1°44	20° 2	20°57	18°20	23° 5	S 7
S 8	3 8 46	15°42'40	25°14	2°13	3°20	22°38	19°49	5°49	12°12	19°23	1°43	19°56	20°54	18°27	23°10	S 8
M 9	3 12 42	16°43'06	9♈49	3°40	4°31	23°18	19°44	5°52	12°10	19°25	1°42	19°49	20°51	18°34	23°16	M 9
T 10	3 16 39	17°43'34	24°50	5° 6	5°41	23°58	19°38	5°55	12° 7	19°26	1°41	19°39	20°48	18°41	23°21	T 10
W11	3 20 36	18°44'03	10♉ 6	6°32	6°51	24°37	19°32	5°59	12° 5	19°27	1°40	19°30	20°45	18°47	23°27	W11
T 12	3 24 32	19°44'33	25°27	7°57	8° 2	25°17	19°26	6° 2	12° 3	19°29	1°39	19°21	20°41	18°54	23°33	T 12
F 13	3 28 29	20°45'05	10♊42	9°21	9°12	25°57	19°20	6° 5	12° 0	19°30	1°38	19°14	20°38	19° 1	23°39	F 13
S 14	3 32 25	21°45'39	25°40	10°44	10°23	26°37	19°13	6° 9	11°58	19°31	1°37	19° 9	20°35	19° 7	23°44	S 14
S 15	3 36 22	22°46'15	10♋14	12° 6	11°34	27°17	19° 7	6°12	11°56	19°32	1°36	19° 7	20°32	19°14	23°50	S 15
M16	3 40 18	23°46'52	24°20	13°27	12°45	27°56	19° 0	6°16	11°53	19°34	1°35	19°D 7	20°29	19°21	23°56	M16
T 17	3 44 15	24°47'31	7♌58	14°47	13°56	28°36	18°53	6°19	11°51	19°35	1°34	19° 8	20°26	19°28	24° 2	T 17
W18	3 48 11	25°48'12	21°10	16° 6	15° 7	29°16	18°46	6°23	11°49	19°36	1°32	19°R 8	20°22	19°34	24° 8	W18
T 19	3 52 8	26°48'54	3♍58	17°23	16°19	29°56	18°39	6°27	11°46	19°37	1°31	19° 8	20°19	19°41	24°14	T 19
F 20	3 56 5	27°49'38	16°28	18°38	17°30	0♏36	18°32	6°31	11°44	19°38	1°30	19° 6	20°16	19°48	24°20	F 20
S 21	4 0 1	28°50'24	28°43	19°51	18°42	1°16	18°25	6°35	11°41	19°39	1°29	19° 2	20°13	19°54	24°26	S 21
S 22	4 3 58	29°51'11	10♎47	21° 2	19°54	1°56	18°18	6°39	11°39	19°40	1°28	18°56	20°10	20° 1	24°32	S 22
M23	4 7 54	0♐51'59	22°45	22°10	21° 5	2°36	18°10	6°43	11°36	19°41	1°28	18°47	20° 7	20° 8	24°38	M23
T 24	4 11 51	1°52'49	4♏38	23°15	22°17	3°16	18° 3	6°47	11°34	19°42	1°27	18°38	20° 3	20°14	24°44	T 24
W25	4 15 47	2°53'40	16°29	24°17	23°29	3°56	17°55	6°52	11°31	19°43	1°26	18°28	20° 0	20°21	24°51	W25
T 26	4 19 44	3°54'33	28°20	25°14	24°41	4°36	17°47	6°56	11°29	19°44	1°25	18°20	19°57	20°28	24°57	T 26
F 27	4 23 40	4°55'27	10♐13	26° 7	25°54	5°17	17°39	7° 1	11°26	19°45	1°24	18°12	19°54	20°35	25° 3	F 27
S 28	4 27 37	5°56'22	22° 8	26°54	27° 6	5°57	17°32	7° 5	11°24	19°46	1°23	18° 7	19°51	20°41	25° 9	S 28
S 29	4 31 34	6°57'18	4♑ 8	27°35	28°18	6°37	17°24	7°10	11°21	19°47	1°22	18° 3	19°47	20°48	25°15	S 29
M30	4 35 30	7♐58'15	16♑15	28♐10	29♎31	7♏17	17♊16	7♒14	11♊19	19♍47	1♉21	18°D 2	19♋44	20♏55	25♐22	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s25	21s15	2n 9	19s40	1s27	3n 6	1n19	6s21	0n47	22n31	0s37	19s48	0s54	22n19	0s 1	5n20	1n 9	3s39	16s47	21n58	21n48	12s42	17s36	5n41
M 2	14 45	22 9	1 9	20 8	1 32	2 41	1 22	6 37	0 47	22 31	0 37	19 47	0 54	22 19	0 1	5 19	1 9	3 39	16 47	21 59	21 49	12 45	17 37	5 41
T 3	15 4	22 2	0 5	20 36	1 38	2 16	1 25	6 52	0 46	22 31	0 37	19 47	0 54	22 19	0 1	5 19	1 9	3 39	16 47	21 59	21 49	12 47	17 37	5 40
W 4	15 22	20 50	1s 1	21 3	1 43	1 51	1 28	7 7	0 46	22 30	0 37	19 46	0 54	22 18	0 1	5 18	1 9	3 40	16 47	21 59	21 50	12 49	17 38	5 40
T 5	15 41	18 34	2 5	21 29	1 48	1 26	1 30	7 23	0 46	22 30	0 37	19 45	0 54	22 18	0 1	5 18	1 9	3 40	16 47	21 59	21 50	12 51	17 38	5 40
F 6	15 59	15 16	3 5	21 53	1 53	1 1	1 33	7 38	0 45	22 30	0 37	19 45	0 54	22 18	0 1	5 17	1 9	3 40	16 47	21 59	21 51	12 54	17 39	5 40
S 7	16 17	11 4	3 57	22 17	1 58	0 36	1 36	7 53	0 45	22 29	0 37	19 44	0 54	22 17	0 1	5 16	1 9	3 40	16 47	22 0	21 51	12 56	17 39	5 40
S 8	16 35	6 8	4 36	22 39	2 3	0 10	1 38	8 8	0 44	22 29	0 37	19 43	0 54	22 17	0 1	5 16	1 9	3 41	16 47	22 0	21 52	12 58	17 40	5 39
M 9	16 52	0 41	4 59	23 0	2 7	0s16	1 40	8 23	0 44	22 29	0 37	19 43	0 54	22 17	0 1	5 15	1 9	3 41	16 47	22 1	21 52	13 0	17 40	5 39
T 10	17 9	4n56	5 3	23 20	2 11	0 41	1 43	8 38	0 44	22 28	0 37	19 42	0 54	22 17	0 1	5 15	1 9	3 41	16 47	22 3	21 53	13 2	17 41	5 39
W11	17 26	10 22	4 45	23 39	2 15	1 7	1 45	8 53	0 43	22 28	0 37	19 41	0 54	22 16	0 1	5 14	1 9	3 41	16 46	22 4	21 53	13 5	17 41	5 39
T 12	17 43	15 11	4 6	23 57	2 18	1 33	1 47	9 8	0 43	22 27	0 37	19 40	0 54	22 16	0 1	5 14	1 9	3 42	16 46	22 5	21 54	13 7	17 42	5 39
F 13	17 59	18 57	3 10	24 13	2 21	1 59	1 49	9 23	0 42	22 27	0 37	19 39	0 54	22 16	0 1	5 14	1 9	3 42	16 46	22 6	21 54	13 9	17 42	5 38
S 14	18 15	21 23	2 2	24 28	2 24	2 26	1 50	9 38	0 42	22 26	0 37	19 39	0 54	22 15	0 1	5 13	1 9	3 42	16 46	22 7	21 55	13 11	17 42	5 38
S 15	18 30	22 18	0 47	24 42	2 26	2 52	1 52	9 53	0 42	22 26	0 37	19 38	0 54	22 15	0 1	5 13	1 9	3 42	16 46	22 7	21 55	13 13	17 43	5 38
M16	18 45	21 45	0n28	24 54	2 28	3 18	1 54	10 7	0 41	22 26	0 37	19 37	0 54	22 15	0 1	5 12	1 9	3 42	16 46	22 7	21 55	13 16	17 43	5 38
T 17	19 0	19 55	1 39	25 5	2 29	3 44	1 55	10 22	0 41	22 25	0 36	19 36	0 54	22 15	0 1	5 12	1 9	3 43	16 46	22 7	21 56	13 18	17 44	5 38
W18	19 15	17 3	2 43	25 15	2 30	4 11	1 56	10 37	0 40	22 25	0 36	19 35	0 54	22 14	0 1	5 11	1 9	3 43	16 45	22 7	21 56	13 20	17 44	5 38
T 19	19 29	13 26	3 37	25 23	2 30	4 37	1 58	10 51	0 40	22 24	0 36	19 34	0 54	22 14	0 1	5 11	1 9	3 43	16 45	22 7	21 57	13 22	17 44	5 38
F 20	19 43	9 20	4 19	25 29	2 30	5 3	1 59	11 6	0 39	22 24	0 36	19 33	0 54	22 14	0 1	5 11	1 9	3 43	16 45	22 7	21 57	13 24	17 45	5 38
S 21	19 57	4 55	4 48	25 35	2 29	5 30	2 0	11 20	0 39	22 23	0 36	19 32	0 54	22 13	0 1	5 10	1 9	3 43	16 45	22 8	21 58	13 26	17 45	5 37
S 22	20 10	0 23	5 4	25 38	2 27	5 56	2 1	11 34	0 38	22 22	0 36	19 31	0 54	22 13	0 1	5 10	1 10	3 44	16 45	22 9	21 58	13 29	17 46	5 37
M23	20 22	4s 7	5 6	25 40	2 25	6 22	2 2	11 48	0 38	22 22	0 36	19 30	0 54	22 13	0 1	5 9	1 10	3 44	16 45	22 10	21 59	13 31	17 46	5 37
T 24	20 35	8 27	4 55	25 41	2 22	6 48	2 2	12 2	0 38	22 21	0 36	19 29	0 54	22 12	0 1	5 9	1 10	3 44	16 44	22 11	21 59	13 33	17 46	5 37
W25	20 47	12 28	4 32	25 40	2 18	7 14	2 3	12 17	0 37	22 21	0 36	19 28	0 54	22 12	0 1	5 9	1 10	3 44	16 44	22 13	22 0	13 35	17 47	5 37
T 26	20 58	15 59	3 56	25 37	2 13	7 40	2 4	12 31	0 37	22 20	0 36	19 26	0 54	22 12	0 1	5 9	1 10	3 44	16 44	22 14	22 0	13 37	17 47	5 37
F 27	21 10	18 53	3 10	25 33	2 7	8 6	2 4	12 44	0 36	22 20	0 36	19 25	0 54	22 11	0 1	5 8	1 10	3 44	16 44	22 15	22 1	13 40	17 47	5 37
S 28	21 21	21 0	2 16	25 27	2 0	8 32	2 4	12 58	0 36	22 19	0 35	19 24	0 54	22 11	0 1	5 8	1 10	3 44	16 44	22 16	22 1	13 42	17 47	5 37
S 29	21 31	22 11	1 15	25 20	1 52	8 57	2 5	13 12	0 35	22 18	0 35	19 23	0 54	22 11	0 1	5 8	1 10	3 44	16 43	22 16	22 2	13 44	17 48	5 37
M30	21s41	22s20	0n10	25s11	1s43	9s23	2n 5	13s26	0n35	22n18	0s35	19s22	0s54	22n10	0s 1	5n 7	1n10	3s44	16s43	22n16	22n 2	13s46	17s48	5n37

Julian Day Number = 2309039.5, Delta T = 76.85 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'42, Lahiri = 18°24'42Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1609
geocentric

DECEMBER 1609 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 39 27	8♐59'12	28♉32	28♐37	0♏43	7♏57	17°R 8	7♒19	11°R16	19♍48	1°R20	18♋ 3	19♋41	21♏ 1	25♐28	T 1
W 2	4 43 23	10° 0'11	11♒ 1	28°56	1°56	8°38	17♊ 0	7°24	11♊14	19°49	1♉19	18° 4	19°38	21° 8	25°34	W 2
T 3	4 47 20	11° 1'10	23°47	29°R 5	3° 9	9°18	16°52	7°29	11°11	19°49	1°19	18° 6	19°35	21°15	25°41	T 3
F 4	4 51 16	12° 2'10	6♓53	29° 4	4°21	9°58	16°43	7°34	11° 8	19°50	1°18	18°R 7	19°32	21°21	25°47	F 4
S 5	4 55 13	13° 3'10	20°22	28°52	5°34	10°39	16°35	7°39	11° 6	19°51	1°17	18° 7	19°28	21°28	25°53	S 5
S 6	4 59 10	14° 4'11	4♈16	28°30	6°47	11°19	16°27	7°44	11° 3	19°51	1°16	18° 5	19°25	21°35	26° 0	S 6
M 7	5 3 6	15° 5'12	18°35	27°55	8° 0	11°59	16°19	7°50	11° 1	19°52	1°15	18° 2	19°22	21°42	26° 6	M 7
T 8	5 7 3	16° 6'14	3♉17	27° 9	9°13	12°40	16°11	7°55	10°58	19°52	1°15	17°58	19°19	21°48	26°12	T 8
W 9	5 10 59	17° 7'17	18°17	26°13	10°26	13°20	16° 3	8° 0	10°56	19°53	1°14	17°53	19°16	21°55	26°19	W 9
T 10	5 14 56	18° 8'20	3♊26	25° 7	11°39	14° 1	15°54	8° 6	10°53	19°53	1°13	17°49	19°13	22° 2	26°25	T 10
F 11	5 18 52	19° 9'23	18°35	23°53	12°53	14°41	15°46	8°11	10°51	19°54	1°12	17°45	19° 9	22° 8	26°32	F 11
S 12	5 22 49	20°10'28	3♋34	22°33	14° 6	15°22	15°38	8°17	10°48	19°54	1°12	17°43	19° 6	22°15	26°38	S 12
S 13	5 26 45	21°11'33	18°14	21°11	15°19	16° 2	15°30	8°22	10°46	19°54	1°11	17°D43	19° 3	22°22	26°44	S 13
M14	5 30 42	22°12'39	2♌30	19°48	16°33	16°43	15°22	8°28	10°43	19°55	1°10	17°43	19° 0	22°28	26°51	M14
T 15	5 34 39	23°13'45	16°18	18°28	17°46	17°23	15°14	8°34	10°41	19°55	1°10	17°45	18°57	22°35	26°57	T 15
W16	5 38 35	24°14'52	29°40	17°13	19° 0	18° 4	15° 6	8°39	10°38	19°55	1° 9	17°46	18°53	22°42	27° 4	W16
T 17	5 42 32	25°16'00	12♍36	16° 5	20°13	18°44	14°58	8°45	10°36	19°55	1° 8	17°47	18°50	22°49	27°10	T 17
F 18	5 46 28	26°17'08	25°10	15° 7	21°27	19°25	14°50	8°51	10°33	19°55	1° 8	17°R48	18°47	22°55	27°17	F 18
S 19	5 50 25	27°18'17	7♎27	14°18	22°40	20° 6	14°42	8°57	10°31	19°55	1° 7	17°48	18°44	23° 2	27°23	S 19
S 20	5 54 21	28°19'27	19°30	13°39	23°54	20°47	14°35	9° 3	10°29	19°56	1° 7	17°46	18°41	23° 9	27°30	S 20
M21	5 58 18	29°20'37	1♏26	13°12	25° 8	21°27	14°27	9° 9	10°26	19°56	1° 6	17°44	18°38	23°15	27°36	M21
T 22	6 2 14	0♑21'48	13°16	12°55	26°22	22° 8	14°19	9°15	10°24	19°R56	1° 6	17°41	18°34	23°22	27°42	T 22
W23	6 6 11	1°22'59	25° 6	12°D48	27°35	22°49	14°12	9°21	10°21	19°56	1° 5	17°38	18°31	23°29	27°49	W23
T 24	6 10 8	2°24'11	6♐59	12°51	28°49	23°30	14° 5	9°27	10°19	19°56	1° 5	17°36	18°28	23°35	27°55	T 24
F 25	6 14 4	3°25'23	18°56	13° 2	0♐ 3	24°10	13°57	9°34	10°17	19°55	1° 4	17°34	18°25	23°42	28° 2	F 25
S 26	6 18 1	4°26'35	0♑59	13°21	1°17	24°51	13°50	9°40	10°15	19°55	1° 4	17°32	18°22	23°49	28° 8	S 26
S 27	6 21 57	5°27'47	13°11	13°48	2°31	25°32	13°43	9°46	10°12	19°55	1° 3	17°D32	18°19	23°56	28°14	S 27
M28	6 25 54	6°28'59	25°33	14°21	3°45	26°13	13°36	9°53	10°10	19°55	1° 3	17°32	18°15	24° 2	28°21	M28
T 29	6 29 50	7°30'11	8♒ 5	15° 1	4°59	26°54	13°29	9°59	10° 8	19°55	1° 3	17°32	18°12	24° 9	28°27	T 29
W30	6 33 47	8°31'23	20°51	15°45	6°13	27°35	13°22	10° 6	10° 6	19°55	1° 2	17°33	18° 9	24°16	28°34	W30
T 31	6 37 43	9♑32'34	3♓49	16♐35	7♐27	28♏16	13♊16	10♒12	10♊ 4	19♍54	1♉ 2	17♋34	18♋ 6	24♏22	28♐40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s51	21s26	0s57	25s 1	1s32	9s48	2n 5	13s39	0n34	22n17	0s35	19s21	0s54	22n10	0s 1	5n 7	1n10	3s44	16s43	22n16	22n 2	13s48	17s48	5n37
W 2	22 0	19 27	2 2	24 49	1 20	10 13	2 5	13 52	0 34	22 16	0 35	19 19	0 54	22 10	0 1	5 7	1 10	3 45	16 43	22 16	22 3	13 50	17 48	5 37
T 3	22 9	16 29	3 2	24 36	1 7	10 38	2 4	14 6	0 33	22 16	0 35	19 18	0 54	22 9	0 1	5 7	1 10	3 45	16 42	22 16	22 3	13 53	17 49	5 37
F 4	22 17	12 38	3 55	24 21	0 52	11 3	2 4	14 19	0 33	22 15	0 35	19 17	0 54	22 9	0 1	5 6	1 10	3 45	16 42	22 16	22 4	13 55	17 49	5 37
S 5	22 25	8 4	4 37	24 5	0 36	11 28	2 4	14 32	0 32	22 14	0 35	19 15	0 54	22 9	0 1	5 6	1 10	3 45	16 42	22 16	22 4	13 57	17 49	5 37
S 6	22 32	2 57	5 3	23 47	0 18	11 52	2 3	14 45	0 32	22 14	0 34	19 14	0 54	22 8	0 1	5 6	1 10	3 45	16 42	22 16	22 5	13 59	17 49	5 37
M 7	22 39	2n29	5 12	23 28	0n 0	12 16	2 3	14 58	0 31	22 13	0 34	19 13	0 54	22 8	0 1	5 6	1 10	3 45	16 41	22 16	22 5	14 1	17 49	5 37
T 8	22 46	7 55	5 1	23 8	0 20	12 40	2 2	15 11	0 31	22 12	0 34	19 11	0 54	22 7	0 1	5 6	1 10	3 45	16 41	22 17	22 6	14 3	17 50	5 37
W 9	22 52	12 59	4 30	22 47	0 40	13 3	2 2	15 24	0 30	22 12	0 34	19 10	0 54	22 7	0 1	5 6	1 10	3 45	16 41	22 17	22 6	14 6	17 50	5 37
T 10	22 58	17 18	3 39	22 24	1 0	13 27	2 1	15 36	0 30	22 11	0 34	19 9	0 54	22 7	0 1	5 6	1 10	3 45	16 41	22 18	22 7	14 8	17 50	5 37
F 11	23 3	20 27	2 33	22 1	1 20	13 50	2 0	15 49	0 29	22 10	0 34	19 7	0 54	22 6	0 1	5 5	1 10	3 45	16 40	22 19	22 7	14 10	17 50	5 37
S 12	23 7	22 10	1 17	21 38	1 39	14 13	1 59	16 1	0 29	22 9	0 34	19 6	0 54	22 6	0 1	5 5	1 10	3 45	16 40	22 19	22 7	14 12	17 50	5 37
S 13	23 12	22 18	0n 3	21 15	1 57	14 35	1 58	16 13	0 28	22 9	0 33	19 4	0 54	22 6	0 1	5 5	1 11	3 45	16 40	22 19	22 8	14 14	17 50	5 37
M14	23 16	20 57	1 20	20 53	2 13	14 57	1 57	16 25	0 28	22 8	0 33	19 3	0 54	22 5	0 1	5 5	1 11	3 45	16 39	22 19	22 8	14 16	17 50	5 37
T 15	23 19	18 23	2 31	20 33	2 27	15 19	1 56	16 38	0 27	22 7	0 33	19 1	0 54	22 5	0 1	5 5	1 11	3 44	16 39	22 19	22 9	14 18	17 50	5 37
W16	23 22	14 54	3 31	20 14	2 39	15 40	1 54	16 49	0 26	22 7	0 33	19 0	0 54	22 5	0 1	5 5	1 11	3 44	16 39	22 18	22 9	14 21	17 51	5 37
T 17	23 24	10 49	4 18	19 58	2 49	16 1	1 53	17 1	0 26	22 6	0 33	18 58	0 54	22 4	0 1	5 5	1 11	3 44	16 39	22 18	22 10	14 23	17 51	5 37
F 18	23 26	6 23	4 51	19 45	2 56	16 22	1 52	17 13	0 25	22 5	0 33	18 57	0 54	22 4	0 1	5 5	1 11	3 44	16 38	22 18	22 10	14 25	17 51	5 37
S 19	23 28	1 47	5 10	19 34	3 1	16 42	1 50	17 24	0 25	22 4	0 32	18 55	0 54	22 4	0 1	5 5	1 11	3 44	16 38	22 18	22 11	14 27	17 51	5 37
S 20	23 29	2s47	5 15	19 27	3 3	17 2	1 48	17 36	0 24	22 4	0 32	18 54	0 54	22 3	0 1	5 5	1 11	3 44	16 38	22 18	22 11	14 29	17 51	5 37
M21	23 29	7 12	5 6	19 23	3 4	17 22	1 47	17 47	0 24	22 3	0 32	18 52	0 54	22 3	0 1	5 5	1 11	3 44	16 37	22 19	22 11	14 31	17 51	5 37
T 22	23 29	11 20	4 45	19 22	3 3	17 41	1 45	17 58	0 23	22 2	0 32	18 50	0 54	22 3	0 0	5 5	1 11	3 44	16 37	22 19	22 12	14 33	17 51	5 37
W23	23 29	15 1	4 11	19 24	3 0	17 59	1 43	18 9	0 22	22 2	0 32	18 49	0 54	22 2	0 0	5 5	1 11	3 44	16 37	22 19	22 12	14 36	17 51	5 38
T 24	23 28	18 8	3 26	19 28	2 56	18 17	1 42	18 20	0 22	22 1	0 32	18 47	0 54	22 2	0 0	5 5	1 11	3 43	16 36	22 20	22 13	14 38	17 51	5 38
F 25	23 27	20 30	2 32	19 35	2 51	18 35	1 40	18 31	0 21	22 0	0 31	18 46	0 54	22 2	0 0	5 5	1 11	3 43	16 36	22 20	22 13	14 40	17 51	5 38
S 26	23 25	21 59	1 30	19 43	2 45	18 52	1 38	18 41	0 21	21 59	0 31	18 44	0 54	22 1	0 0	5 5	1 11	3 43	16 36	22 20	22 14	14 42	17 51	5 38
S 27	23 23	22 26	0 24	19 53	2 39	19 9	1 36	18 52	0 20	21 59	0 31	18 42	0 54	22 1	0 0	5 5	1 11	3 43	16 35	22 20	22 14	14 44	17 51	5 38
M28	23 20	21 48	0s44	20 4	2 31	19 25	1 34	19 2	0 19	21 58	0 31	18 40	0 54	22 1	0 0	5 6	1 11	3 43	16 35	22 20	22 14	14 46	17 51	5 38
T 29	23 17	20 5	1 52	20 16	2 23	19 40	1 32	19 12	0 19	21 57	0 31	18 39	0 54	22 0	0 0	5 6	1 11	3 43	16 35	22 20	22 15	14 48	17 50	5 38
W30	23 13	17 20	2 54	20 29	2 15	19 55	1 29	19 22	0 18	21 57	0 30	18 37	0 54	22 0	0 0	5 6	1 11	3 42	16 34	22 20	22 15	14 50	17 50	5 39
T 31	23s 9	13s41	3s50	20s42	2n 7	20s10	1n27	19s32	0n18	21n56	0s30	18s35	0s54	22n 0	0s 0	5n 6	1n11	3s42	16s34	22n20	22n16	14s53	17s50	5n39

Julian Day Number = 2309069.5, Delta T = 76.76 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°17'46, Lahiri = 18°24'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

JANUARY 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 41 40	10♑33'45	17♓ 3	17♐28	8♐41	28♏57	13°R 9	10♒19	10°R 2	19°R54	1°R 2	17♋35	18♋ 3	24♏29	28♐46	F 1
S 2	6 45 37	11°34'56	0♈34	18°25	9°56	29°38	13♊ 3	10°25	9♊59	19♍54	1♉ 1	17°35	17°59	24°36	28°53	S 2
S 3	6 49 33	12°36'06	14°22	19°26	11°10	0♐19	12°57	10°32	9°57	19°53	1° 1	17°R35	17°56	24°42	28°59	S 3
M 4	6 53 30	13°37'16	28°27	20°30	12°24	1° 0	12°51	10°38	9°55	19°53	1° 1	17°35	17°53	24°49	29° 5	M 4
T 5	6 57 26	14°38'25	12♉49	21°36	13°38	1°41	12°45	10°45	9°53	19°52	1° 1	17°35	17°50	24°56	29°11	T 5
W 6	7 1 23	15°39'33	27°23	22°45	14°52	2°22	12°39	10°52	9°51	19°52	1° 0	17°35	17°47	25° 3	29°18	W 6
T 7	7 5 19	16°40'41	12♊ 6	23°55	16° 7	3° 4	12°33	10°59	9°50	19°51	1° 0	17°35	17°44	25° 9	29°24	T 7
F 8	7 9 16	17°41'48	26°51	25° 8	17°21	3°45	12°28	11° 5	9°48	19°51	1° 0	17°D35	17°40	25°16	29°30	F 8
S 9	7 13 12	18°42'55	11♋32	26°23	18°35	4°26	12°23	11°12	9°46	19°50	1° 0	17°R35	17°37	25°23	29°36	S 9
S 10	7 17 9	19°44'01	26° 1	27°39	19°49	5° 7	12°18	11°19	9°44	19°49	1° 0	17°35	17°34	25°29	29°42	S 10
M11	7 21 6	20°45'07	10♌13	28°56	21° 4	5°48	12°13	11°26	9°42	19°49	1° 0	17°35	17°31	25°36	29°49	M11
T 12	7 25 2	21°46'12	24° 3	0♏15	22°18	6°30	12° 8	11°33	9°41	19°48	1° 0	17°34	17°28	25°43	29°55	T 12
W13	7 28 59	22°47'17	7♍29	1°36	23°32	7°11	12° 3	11°40	9°39	19°47	1° 0	17°34	17°25	25°49	0♏ 1	W13
T 14	7 32 55	23°48'21	20°32	2°57	24°47	7°52	11°59	11°47	9°37	19°47	1° 0	17°33	17°21	25°56	0° 7	T 14
F 15	7 36 52	24°49'25	3♎12	4°19	26° 1	8°34	11°55	11°54	9°36	19°46	1°D 0	17°32	17°18	26° 3	0°13	F 15
S 16	7 40 48	25°50'29	15°34	5°43	27°16	9°15	11°51	12° 1	9°34	19°45	1° 0	17°32	17°15	26° 9	0°19	S 16
S 17	7 44 45	26°51'32	27°41	7° 7	28°30	9°57	11°47	12° 8	9°33	19°44	1° 0	17°D31	17°12	26°16	0°25	S 17
M18	7 48 41	27°52'34	9♏37	8°32	29°45	10°38	11°43	12°15	9°31	19°43	1° 0	17°32	17° 9	26°23	0°31	M18
T 19	7 52 38	28°53'36	21°28	9°58	0♑59	11°19	11°40	12°22	9°30	19°43	1° 0	17°32	17° 5	26°30	0°37	T 19
W20	7 56 35	29°54'38	3♐18	11°25	2°13	12° 1	11°36	12°29	9°28	19°42	1° 0	17°34	17° 2	26°36	0°42	W20
T 21	8 0 31	0♒55'39	15°12	12°53	3°28	12°42	11°33	12°36	9°27	19°41	1° 0	17°35	16°59	26°43	0°48	T 21
F 22	8 4 28	1°56'39	27°13	14°21	4°42	13°24	11°30	12°43	9°26	19°40	1° 0	17°36	16°56	26°50	0°54	F 22
S 23	8 8 24	2°57'38	9♑25	15°51	5°57	14° 6	11°28	12°50	9°24	19°39	1° 0	17°37	16°53	26°56	1° 0	S 23
S 24	8 12 21	3°58'37	21°49	17°21	7°11	14°47	11°25	12°57	9°23	19°38	1° 1	17°R37	16°50	27° 3	1° 5	S 24
M25	8 16 17	4°59'34	4♒28	18°51	8°26	15°29	11°23	13° 5	9°22	19°37	1° 1	17°36	16°46	27°10	1°11	M25
T 26	8 20 14	6° 0'31	17°22	20°23	9°41	16°10	11°21	13°12	9°21	19°36	1° 1	17°35	16°43	27°16	1°17	T 26
W27	8 24 11	7° 1'26	0♓31	21°55	10°55	16°52	11°19	13°19	9°20	19°34	1° 1	17°32	16°40	27°23	1°22	W27
T 28	8 28 7	8° 2'20	13°54	23°28	12°10	17°34	11°17	13°26	9°19	19°33	1° 2	17°29	16°37	27°30	1°28	T 28
F 29	8 32 4	9° 3'13	27°29	25° 1	13°24	18°15	11°16	13°33	9°18	19°32	1° 2	17°26	16°34	27°36	1°33	F 29
S 30	8 36 0	10° 4'04	11♈15	26°36	14°39	18°57	11°14	13°41	9°17	19°31	1° 2	17°23	16°31	27°43	1°39	S 30
S 31	8 39 57	11♒ 4'54	25♈11	28♑11	15♑53	19♐39	11♊13	13♒48	9♊16	19♍30	1♉ 3	17♋21	16♋27	27♏50	1♑44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s 4	9s19	4s34	20s56	1n58	20s24	1n25	19s41	0n17	21n56	0s30	18s34	0s54	22n 0	0s 0	5n 6	1n11	3s42	16s34	22n20	22n16	14s55	17s50	5n39
S 2	22 59	4 25	5 4	21 10	1 49	20 37	1 23	19 51	0 16	21 55	0 30	18 32	0 54	21 59	0 0	5 6	1 12	3 42	16 33	22 20	22 17	14 57	17 50	5 39
S 3	22 53	0n48	5 17	21 24	1 40	20 50	1 20	20 0	0 16	21 54	0 30	18 30	0 54	21 59	0 0	5 7	1 12	3 42	16 33	22 20	22 17	14 59	17 50	5 39
M 4	22 47	6 5	5 12	21 38	1 31	21 3	1 18	20 9	0 15	21 54	0 30	18 28	0 54	21 59	0 0	5 7	1 12	3 41	16 33	22 20	22 17	15 1	17 50	5 40
T 5	22 41	11 9	4 47	21 51	1 22	21 14	1 15	20 18	0 14	21 53	0 29	18 26	0 54	21 58	0 0	5 7	1 12	3 41	16 32	22 20	22 18	15 3	17 49	5 40
W 6	22 34	15 39	4 4	22 4	1 13	21 25	1 13	20 27	0 14	21 53	0 29	18 25	0 54	21 58	0 0	5 7	1 12	3 41	16 32	22 20	22 18	15 5	17 49	5 40
T 7	22 27	19 14	3 5	22 17	1 4	21 36	1 10	20 36	0 13	21 52	0 29	18 23	0 54	21 58	0 0	5 8	1 12	3 40	16 32	22 20	22 19	15 7	17 49	5 40
F 8	22 19	21 34	1 53	22 28	0 56	21 46	1 8	20 44	0 12	21 52	0 29	18 21	0 54	21 58	0 0	5 8	1 12	3 40	16 31	22 20	22 19	15 9	17 49	5 40
S 9	22 11	22 26	0 34	22 40	0 47	21 55	1 5	20 53	0 12	21 51	0 29	18 19	0 54	21 57	0 0	5 8	1 12	3 40	16 31	22 20	22 20	15 11	17 49	5 41
S 10	22 2	21 45	0n47	22 50	0 38	22 3	1 3	21 1	0 11	21 51	0 28	18 17	0 54	21 57	0 0	5 8	1 12	3 40	16 31	22 20	22 20	15 14	17 48	5 41
M11	21 53	19 41	2 2	23 0	0 29	22 11	1 0	21 9	0 10	21 50	0 28	18 15	0 54	21 57	0 0	5 9	1 12	3 39	16 30	22 20	22 20	15 16	17 48	5 41
T 12	21 43	16 30	3 9	23 8	0 21	22 19	0 57	21 17	0 10	21 50	0 28	18 13	0 54	21 57	0 0	5 9	1 12	3 39	16 30	22 20	22 21	15 18	17 48	5 41
W13	21 34	12 32	4 3	23 16	0 13	22 25	0 55	21 24	0 9	21 49	0 28	18 12	0 54	21 56	0 0	5 9	1 12	3 39	16 30	22 20	22 21	15 20	17 48	5 42
T 14	21 23	8 5	4 43	23 23	0 4	22 31	0 52	21 32	0 8	21 49	0 28	18 10	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 22	17 47	5 42
F 15	21 12	3 25	5 7	23 29	0s 4	22 37	0 49	21 39	0 8	21 49	0 27	18 8	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 24	17 47	5 42
S 16	21 1	1s16	5 17	23 33	0 11	22 41	0 46	21 46	0 7	21 48	0 27	18 6	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 26	17 47	5 43
S 17	20 50	5 48	5 12	23 37	0 19	22 45	0 44	21 53	0 6	21 48	0 27	18 4	0 54	21 55	0 0	5 11	1 12	3 37	16 28	22 20	22 23	15 28	17 47	5 43
M18	20 38	10 4	4 54	23 39	0 26	22 48	0 41	22 0	0 5	21 48	0 27	18 2	0 55	21 55	0 0	5 11	1 12	3 37	16 28	22 20	22 23	15 30	17 46	5 43
T 19	20 25	13 55	4 23	23 40	0 34	22 51	0 38	22 6	0 5	21 48	0 27	18 0	0 55	21 55	0 0	5 11	1 12	3 37	16 27	22 20	22 24	15 32	17 46	5 43
W20	20 13	17 14	3 42	23 40	0 41	22 53	0 35	22 13	0 4	21 47	0 26	17 58	0 55	21 55	0 0	5 12	1 12	3 36	16 27	22 20	22 24	15 34	17 46	5 44
T 21	20 0	19 51	2 50	23 39	0 47	22 54	0 33	22 19	0 3	21 47	0 26	17 56	0 55	21 55	0 0	5 12	1 12	3 36	16 27	22 20	22 24	15 36	17 45	5 44
F 22	19 46	21 37	1 51	23 37	0 54	22 55	0 30	22 25	0 2	21 47	0 26	17 54	0 55	21 54	0 0	5 13	1 12	3 35	16 26	22 20	22 25	15 38	17 45	5 44
S 23	19 32	22 24	0 45	23 33	1 0	22 54	0 27	22 31	0 2	21 47	0 26	17 52	0 55	21 54	0 0	5 13	1 12	3 35	16 26	22 20	22 25	15 41	17 44	5 45
S 24	19 18	22 6	0s23	23 28	1 6	22 54	0 24	22 36	0 1	21 47	0 26	17 50	0 55	21 54	0 0	5 14	1 12	3 35	16 26	22 20	22 26	15 43	17 44	5 45
M25	19 3	20 40	1 32	23 21	1 12	22 52	0 21	22 42	0 0	21 46	0 25	17 48	0 55	21 54	0 0	5 14	1 13	3 34	16 25	22 20	22 26	15 45	17 44	5 45
T 26	18 49	18 9	2 37	23 13	1 18	22 50	0 18	22 47	0s 1	21 46	0 25	17 46	0 55	21 54	0 0	5 14	1 13	3 34	16 25	22 20	22 26	15 47	17 43	5 46
W27	18 33	14 40	3 35	23 4	1 23	22 47	0 16	22 52	0 1	21 46	0 25	17 44	0 55	21 54	0 0	5 15	1 13	3 33	16 25	22 20	22 27	15 49	17 43	5 46
T 28	18 18	10 23	4 22	22 54	1 28	22 43	0 13	22 56	0 2	21 46	0 25	17 42	0 55	21 54	0 0	5 15	1 13	3 33	16 24	22 21	22 27	15 51	17 42	5 47
F 29	18 2	5 31	4 56	22 42	1 33	22 39	0 10	23 1	0 3	21 46	0 25	17 40	0 55	21 53	0 0	5 16	1 13	3 33	16 24	22 21	22 28	15 53	17 42	5 47
S 30	17 46	0 20	5 13	22 29	1 38	22 34	0 7	23 5	0 4	21 46	0 24	17 38	0 55	21 53	0 0	5 16	1 13	3 32	16 24	22 21	22 28	15 55	17 41	5 47
S 31	17s29	4n55	5s12	22s14	1s42	22s28	0n 5	23s10	0s 4	21n46	0s24	17s36	0s55	21n53	0s 0	5n17	1n13	3s32	16s23	22n22	22n28	15s57	17s41	5n48

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

FEBRUARY 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 43 53	12♒ 5'42	9♉14	29♑47	17♑ 8	20♐21	11°R12	13♒55	9°R16	19°R29	1♉ 3	17°D20	16♋24	27♏57	1♑49	M 1
T 2	8 47 50	13° 6'29	23°23	1♒23	18°22	21° 2	11♊12	14° 2	9♊15	19♍27	1° 3	17♋20	16°21	28° 3	1°55	T 2
W 3	8 51 46	14° 7'15	7♊37	3° 1	19°37	21°44	11°11	14° 9	9°14	19°26	1° 4	17°22	16°18	28°10	2° 0	W 3
T 4	8 55 43	15° 7'58	21°53	4°39	20°51	22°26	11°11	14°17	9°13	19°25	1° 4	17°23	16°15	28°17	2° 5	T 4
F 5	8 59 40	16° 8'40	6♋ 9	6°18	22° 6	23° 8	11°D11	14°24	9°13	19°23	1° 5	17°24	16°11	28°23	2°10	F 5
S 6	9 3 36	17° 9'21	20°21	7°58	23°20	23°50	11°11	14°31	9°12	19°22	1° 5	17°R25	16° 8	28°30	2°15	S 6
S 7	9 7 33	18°10'00	4♌25	9°38	24°35	24°31	11°12	14°38	9°12	19°21	1° 6	17°24	16° 5	28°37	2°20	S 7
M 8	9 11 29	19°10'37	18°18	11°20	25°50	25°13	11°12	14°45	9°11	19°19	1° 6	17°21	16° 2	28°43	2°25	M 8
T 9	9 15 26	20°11'13	1♍56	13° 2	27° 4	25°55	11°13	14°53	9°11	19°18	1° 7	17°17	15°59	28°50	2°30	T 9
W10	9 19 22	21°11'47	15°15	14°45	28°19	26°37	11°14	15° 0	9°11	19°17	1° 7	17°11	15°56	28°57	2°35	W10
T 11	9 23 19	22°12'20	28°16	16°29	29°33	27°19	11°15	15° 7	9°10	19°15	1° 8	17° 5	15°52	29° 3	2°40	T 11
F 12	9 27 15	23°12'52	10♎57	18°14	0♒48	28° 1	11°16	15°14	9°10	19°14	1° 8	16°59	15°49	29°10	2°45	F 12
S 13	9 31 12	24°13'22	23°21	20° 0	2° 2	28°43	11°18	15°21	9°10	19°12	1° 9	16°54	15°46	29°17	2°49	S 13
S 14	9 35 8	25°13'51	5♏30	21°47	3°17	29°25	11°19	15°28	9°10	19°11	1°10	16°50	15°43	29°23	2°54	S 14
M15	9 39 5	26°14'19	17°27	23°35	4°32	0♑ 7	11°21	15°35	9°10	19° 9	1°10	16°48	15°40	29°30	2°59	M15
T 16	9 43 2	27°14'45	29°19	25°23	5°46	0°49	11°24	15°43	9°D10	19° 8	1°11	16°D47	15°37	29°37	3° 3	T 16
W17	9 46 58	28°15'10	11♐ 9	27°13	7° 1	1°32	11°26	15°50	9°10	19° 6	1°12	16°48	15°33	29°44	3° 8	W17
T 18	9 50 55	29°15'33	23° 3	29° 3	8°15	2°14	11°28	15°57	9°10	19° 5	1°12	16°50	15°30	29°50	3°12	T 18
F 19	9 54 51	0♓15'55	5♑ 6	0♓55	9°30	2°56	11°31	16° 4	9°10	19° 3	1°13	16°51	15°27	29°57	3°16	F 19
S 20	9 58 48	1°16'16	17°22	2°47	10°44	3°38	11°34	16°11	9°10	19° 2	1°14	16°R52	15°24	0♐ 4	3°21	S 20
S 21	10 2 44	2°16'35	29°56	4°40	11°59	4°20	11°37	16°18	9°11	19° 0	1°15	16°51	15°21	0°10	3°25	S 21
M22	10 6 41	3°16'52	12♒49	6°33	13°14	5° 2	11°40	16°25	9°11	18°58	1°15	16°48	15°17	0°17	3°29	M22
T 23	10 10 37	4°17'08	26° 3	8°28	14°28	5°45	11°44	16°32	9°11	18°57	1°16	16°43	15°14	0°24	3°33	T 23
W24	10 14 34	5°17'22	9♓36	10°23	15°43	6°27	11°47	16°39	9°12	18°55	1°17	16°36	15°11	0°30	3°37	W24
T 25	10 18 31	6°17'34	23°26	12°18	16°57	7° 9	11°51	16°46	9°12	18°54	1°18	16°27	15° 8	0°37	3°41	T 25
F 26	10 22 27	7°17'44	7♈30	14°13	18°12	7°51	11°55	16°53	9°13	18°52	1°19	16°19	15° 5	0°44	3°45	F 26
S 27	10 26 24	8°17'52	21°42	16° 9	19°26	8°34	11°59	17° 0	9°13	18°50	1°20	16°11	15° 2	0°50	3°49	S 27
S 28	10 30 20	9♓17'58	5♉58	18♓ 5	20♒41	9♑16	12♊ 4	17♒ 7	9♊14	18♍49	1♉21	16♋ 5	14♋58	0♐57	3♑52	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s12	9n59	4s52	21s58	1s46	22s22	0n 2	23s13	0s 5	21n46	0s24	17s34	0s55	21n53	0s 0	5n17	1n13	3s31	16s23	22n22	22n29	15s59	17s41	5n48
T 2	16 55	14 33	4 15	21 40	1 49	22 15	0s 1	23 17	0 6	21 47	0 24	17 32	0 55	21 53	0 0	5 18	1 13	3 31	16 22	22 22	22 29	16 1	17 40	5 48
W 3	16 38	18 19	3 21	21 21	1 52	22 7	0 4	23 21	0 7	21 47	0 24	17 30	0 55	21 53	0 0	5 18	1 13	3 30	16 22	22 22	22 30	16 3	17 40	5 49
T 4	16 20	20 59	2 16	21 0	1 55	21 58	0 6	23 24	0 8	21 47	0 23	17 28	0 55	21 53	0 0	5 19	1 13	3 30	16 22	22 21	22 30	16 5	17 39	5 49
F 5	16 2	22 19	1 1	20 38	1 58	21 49	0 9	23 27	0 9	21 47	0 23	17 26	0 56	21 53	0 0	5 20	1 13	3 29	16 21	22 21	22 30	16 7	17 39	5 50
S 6	15 44	22 13	0n16	20 15	2 0	21 40	0 12	23 30	0 9	21 47	0 23	17 24	0 56	21 53	0 0	5 20	1 13	3 29	16 21	22 21	22 31	16 9	17 38	5 50
S 7	15 25	20 41	1 32	19 50	2 2	21 29	0 14	23 33	0 10	21 47	0 23	17 22	0 56	21 53	0 0	5 21	1 13	3 28	16 21	22 21	22 31	16 11	17 38	5 51
M 8	15 6	17 56	2 41	19 24	2 3	21 18	0 17	23 35	0 11	21 48	0 23	17 20	0 56	21 52	0 0	5 21	1 13	3 28	16 20	22 22	22 31	16 13	17 37	5 51
T 9	14 47	14 13	3 39	18 56	2 5	21 7	0 20	23 38	0 12	21 48	0 22	17 18	0 56	21 52	0 0	5 22	1 13	3 27	16 20	22 22	22 32	16 15	17 37	5 51
W10	14 28	9 53	4 24	18 26	2 5	20 54	0 22	23 40	0 13	21 48	0 22	17 16	0 56	21 52	0n 0	5 22	1 13	3 27	16 20	22 23	22 32	16 17	17 36	5 52
T 11	14 8	5 12	4 55	17 55	2 5	20 41	0 25	23 41	0 14	21 49	0 22	17 14	0 56	21 52	0 0	5 23	1 13	3 26	16 19	22 24	22 33	16 19	17 35	5 52
F 12	13 49	0 24	5 9	17 23	2 5	20 28	0 27	23 43	0 15	21 49	0 22	17 12	0 56	21 52	0 0	5 24	1 13	3 26	16 19	22 24	22 33	16 21	17 35	5 53
S 13	13 28	4s18	5 9	16 49	2 5	20 14	0 30	23 44	0 15	21 50	0 22	17 10	0 56	21 52	0 0	5 24	1 13	3 25	16 19	22 25	22 33	16 23	17 34	5 53
S 14	13 8	8 45	4 55	16 13	2 4	19 59	0 32	23 46	0 16	21 50	0 21	17 8	0 56	21 52	0 0	5 25	1 13	3 25	16 18	22 26	22 34	16 25	17 34	5 54
M15	12 48	12 47	4 28	15 36	2 2	19 44	0 35	23 47	0 17	21 50	0 21	17 6	0 56	21 52	0 0	5 25	1 13	3 24	16 18	22 26	22 34	16 27	17 33	5 54
T 16	12 27	16 18	3 50	14 58	2 0	19 28	0 37	23 47	0 18	21 51	0 21	17 3	0 56	21 52	0 0	5 26	1 13	3 24	16 18	22 26	22 34	16 29	17 33	5 55
W17	12 6	19 10	3 2	14 18	1 57	19 11	0 39	23 48	0 19	21 51	0 21	17 1	0 56	21 52	0 0	5 27	1 13	3 23	16 17	22 26	22 35	16 31	17 32	5 55
T 18	11 45	21 13	2 6	13 37	1 54	18 54	0 42	23 48	0 20	21 52	0 21	16 59	0 57	21 52	0 0	5 27	1 13	3 23	16 17	22 26	22 35	16 33	17 31	5 56
F 19	11 24	22 20	1 3	12 54	1 51	18 37	0 44	23 48	0 21	21 52	0 20	16 57	0 57	21 52	0 0	5 28	1 13	3 22	16 17	22 25	22 36	16 35	17 31	5 56
S 20	11 3	22 24	0s 3	12 10	1 47	18 19	0 46	23 48	0 22	21 53	0 20	16 55	0 57	21 52	0 0	5 29	1 13	3 22	16 17	22 25	22 36	16 37	17 30	5 57
S 21	10 41	21 21	1 10	11 24	1 42	18 0	0 48	23 48	0 23	21 54	0 20	16 53	0 57	21 52	0 0	5 29	1 13	3 21	16 16	22 25	22 36	16 39	17 30	5 57
M22	10 19	19 10	2 16	10 37	1 37	17 41	0 50	23 47	0 24	21 54	0 20	16 51	0 57	21 53	0 0	5 30	1 13	3 21	16 16	22 26	22 37	16 41	17 29	5 58
T 23	9 58	15 55	3 15	9 49	1 31	17 22	0 52	23 46	0 25	21 55	0 20	16 49	0 57	21 53	0 0	5 30	1 13	3 20	16 16	22 26	22 37	16 43	17 28	5 58
W24	9 35	11 46	4 5	9 0	1 24	17 1	0 54	23 45	0 26	21 56	0 19	16 47	0 57	21 53	0 0	5 31	1 13	3 20	16 15	22 27	22 37	16 45	17 28	5 59
T 25	9 13	6 56	4 42	8 9	1 17	16 41	0 56	23 44	0 26	21 56	0 19	16 45	0 57	21 53	0 0	5 32	1 13	3 19	16 15	22 28	22 38	16 47	17 27	5 59
F 26	8 51	1 39	5 3	7 18	1 10	16 20	0 58	23 43	0 27	21 57	0 19	16 43	0 57	21 53	0 0	5 32	1 13	3 18	16 15	22 29	22 38	16 49	17 26	6 0
S 27	8 29	3n45	5 5	6 25	1 1	15 58	1 0	23 41	0 28	21 58	0 19	16 41	0 57	21 53	0 0	5 33	1 13	3 18	16 14	22 30	22 38	16 51	17 26	6 1
S 28	8s 6	9n 0	4s48	5s32	0s52	15s36	1s 2	23s39	0s29	21n58	0s19	16s39	0s58	21n53	0n 0	5n34	1n13	3s17	16s14	22n31	22n39	16s53	17s25	6n 1

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

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1610
geocentric

MARCH 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 34 17	10♓18'02	20♉13	20♓ 0	21♒55	9♑58	12♊ 8	17♒13	9♊15	18°R47	1♉22	16°R 0	14♋55	1♐ 4	3♑56	M 1
T 2	10 38 13	11°18'03	4♊25	21°54	23°10	10°41	12°13	17°20	9°15	18♍45	1°22	15♋59	14°52	1°10	3°59	T 2
W 3	10 42 10	12°18'03	18°31	23°48	24°24	11°23	12°18	17°27	9°16	18°44	1°23	15°D59	14°49	1°17	4° 3	W 3
T 4	10 46 6	13°18'00	2♋31	25°40	25°39	12° 5	12°23	17°34	9°17	18°42	1°24	15°59	14°46	1°24	4° 6	T 4
F 5	10 50 3	14°17'55	16°24	27°31	26°53	12°48	12°28	17°40	9°18	18°41	1°25	16°R 0	14°42	1°30	4°10	F 5
S 6	10 54 0	15°17'48	0♌10	29°19	28° 8	13°30	12°34	17°47	9°19	18°39	1°26	15°59	14°39	1°37	4°13	S 6
S 7	10 57 56	16°17'39	13°47	1♈ 5	29°22	14°12	12°39	17°54	9°20	18°37	1°27	15°56	14°36	1°44	4°16	S 7
M 8	11 1 53	17°17'27	27°14	2°48	0♓37	14°55	12°45	18° 0	9°21	18°36	1°28	15°50	14°33	1°51	4°19	M 8
T 9	11 5 49	18°17'14	10♍30	4°27	1°51	15°37	12°51	18° 7	9°22	18°34	1°29	15°41	14°30	1°57	4°22	T 9
W10	11 9 46	19°16'58	23°33	6° 2	3° 6	16°20	12°57	18°14	9°23	18°32	1°30	15°31	14°27	2° 4	4°25	W10
T 11	11 13 42	20°16'40	6♎21	7°33	4°20	17° 2	13° 3	18°20	9°24	18°31	1°31	15°19	14°23	2°11	4°28	T 11
F 12	11 17 39	21°16'20	18°55	8°58	5°34	17°45	13°10	18°26	9°25	18°29	1°33	15° 7	14°20	2°17	4°31	F 12
S 13	11 21 35	22°15'59	1♏15	10°18	6°49	18°27	13°16	18°33	9°27	18°27	1°34	14°57	14°17	2°24	4°34	S 13
S 14	11 25 32	23°15'36	13°21	11°33	8° 3	19°10	13°23	18°39	9°28	18°26	1°35	14°48	14°14	2°31	4°36	S 14
M15	11 29 29	24°15'10	25°18	12°41	9°18	19°52	13°30	18°46	9°29	18°24	1°36	14°41	14°11	2°37	4°39	M15
T 16	11 33 25	25°14'43	7♐ 9	13°42	10°32	20°35	13°37	18°52	9°31	18°22	1°37	14°37	14° 8	2°44	4°41	T 16
W17	11 37 22	26°14'15	18°58	14°36	11°47	21°17	13°44	18°58	9°32	18°21	1°38	14°36	14° 4	2°51	4°44	W17
T 18	11 41 18	27°13'44	0♑51	15°23	13° 1	22° 0	13°51	19° 4	9°34	18°19	1°39	14°D35	14° 1	2°57	4°46	T 18
F 19	11 45 15	28°13'12	12°54	16° 3	14°15	22°43	13°58	19°10	9°36	18°17	1°40	14°R36	13°58	3° 4	4°48	F 19
S 20	11 49 11	29°12'38	25°10	16°35	15°30	23°25	14° 6	19°17	9°37	18°16	1°42	14°35	13°55	3°11	4°50	S 20
S 21	11 53 8	0♈12'02	7♒46	16°59	16°44	24° 8	14°14	19°23	9°39	18°14	1°43	14°33	13°52	3°17	4°52	S 21
M22	11 57 4	1°11'25	20°46	17°16	17°58	24°50	14°21	19°29	9°41	18°12	1°44	14°29	13°48	3°24	4°54	M22
T 23	12 1 1	2°10'45	4♓11	17°25	19°13	25°33	14°29	19°35	9°42	18°11	1°45	14°22	13°45	3°31	4°56	T 23
W24	12 4 58	3°10'03	18° 0	17°R27	20°27	26°16	14°37	19°41	9°44	18° 9	1°46	14°12	13°42	3°37	4°58	W24
T 25	12 8 54	4° 9'20	2♈13	17°21	21°42	26°58	14°46	19°46	9°46	18° 8	1°48	14° 0	13°39	3°44	5° 0	T 25
F 26	12 12 51	5° 8'34	16°43	17° 8	22°56	27°41	14°54	19°52	9°48	18° 6	1°49	13°49	13°36	3°51	5° 1	F 26
S 27	12 16 47	6° 7'46	1♉22	16°49	24°10	28°24	15° 3	19°58	9°50	18° 4	1°50	13°38	13°33	3°57	5° 3	S 27
S 28	12 20 44	7° 6'56	16° 4	16°24	25°24	29° 6	15°11	20° 4	9°52	18° 3	1°51	13°29	13°29	4° 4	5° 4	S 28
M29	12 24 40	8° 6'04	0♊41	15°53	26°39	29°49	15°20	20° 9	9°54	18° 1	1°53	13°22	13°26	4°11	5° 6	M29
T 30	12 28 37	9° 5'10	15° 8	15°18	27°53	0♒31	15°29	20°15	9°56	18° 0	1°54	13°19	13°23	4°17	5° 7	T 30
W31	12 32 33	10♈ 4'13	29♊21	14♈38	29♓ 7	1♒14	15♊38	20♒20	9♊58	17♍58	1♉55	13♋17	13♋20	4♐24	5♑ 8	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s43	13n45	4s14	4s38	0s43	15s14	1s 4	23s37	0s30	21n59	0s19	16s37	0s58	21n53	0n 0	5n34	1n14	3s17	16s14	22n32	22n39	16s55	17s24	6n 2
T 2	7 20	17 44	3 24	3 43	0 33	14 51	1 5	23 35	0 31	22 0	0 18	16 35	0 58	21 53	0 0	5 35	1 14	3 16	16 14	22 32	22 40	16 57	17 24	6 2
W 3	6 58	20 38	2 22	2 49	0 22	14 28	1 7	23 32	0 32	22 1	0 18	16 33	0 58	21 53	0 0	5 36	1 14	3 16	16 13	22 32	22 40	16 59	17 23	6 3
T 4	6 35	22 16	1 12	1 54	0 11	14 4	1 8	23 30	0 33	22 2	0 18	16 31	0 58	21 54	0 0	5 36	1 14	3 15	16 13	22 32	22 40	17 1	17 22	6 3
F 5	6 12	22 31	0n 2	0 59	0n 0	13 40	1 10	23 27	0 34	22 3	0 18	16 29	0 58	21 54	0 0	5 37	1 14	3 15	16 13	22 32	22 41	17 3	17 22	6 4
S 6	5 48	21 23	1 15	0 5	0 12	13 16	1 11	23 23	0 35	22 3	0 18	16 27	0 58	21 54	0 0	5 38	1 14	3 14	16 13	22 32	22 41	17 5	17 21	6 4
S 7	5 25	19 0	2 23	0n49	0 25	12 51	1 13	23 20	0 36	22 4	0 18	16 25	0 58	21 54	0 0	5 38	1 14	3 13	16 12	22 32	22 41	17 7	17 20	6 5
M 8	5 2	15 37	3 21	1 41	0 38	12 26	1 14	23 16	0 37	22 5	0 17	16 23	0 58	21 54	0 0	5 39	1 14	3 13	16 12	22 33	22 42	17 9	17 20	6 6
T 9	4 38	11 28	4 8	2 33	0 50	12 1	1 16	23 13	0 38	22 6	0 17	16 22	0 58	21 54	0 0	5 40	1 14	3 12	16 12	22 34	22 42	17 11	17 19	6 6
W10	4 15	6 52	4 41	3 22	1 4	11 35	1 17	23 8	0 39	22 7	0 17	16 20	0 59	21 55	0 0	5 40	1 14	3 12	16 12	22 35	22 42	17 13	17 18	6 7
T 11	3 52	2 3	4 59	4 10	1 17	11 9	1 18	23 4	0 40	22 8	0 17	16 18	0 59	21 55	0 0	5 41	1 14	3 11	16 11	22 36	22 43	17 15	17 18	6 7
F 12	3 28	2s46	5 2	4 56	1 30	10 43	1 19	23 0	0 42	22 9	0 17	16 16	0 59	21 55	0 0	5 42	1 14	3 11	16 11	22 38	22 43	17 17	17 17	6 8
S 13	3 4	7 23	4 51	5 40	1 42	10 16	1 20	22 55	0 43	22 10	0 17	16 14	0 59	21 55	0 0	5 42	1 14	3 10	16 11	22 39	22 43	17 19	17 16	6 9
S 14	2 41	11 39	4 26	6 20	1 55	9 49	1 21	22 50	0 44	22 11	0 16	16 12	0 59	21 55	0 0	5 43	1 14	3 9	16 11	22 40	22 44	17 21	17 16	6 9
M15	2 17	15 24	3 51	6 58	2 7	9 22	1 22	22 45	0 45	22 12	0 16	16 10	0 59	21 56	0 0	5 44	1 14	3 9	16 10	22 41	22 44	17 22	17 15	6 10
T 16	1 54	18 30	3 5	7 33	2 19	8 55	1 23	22 40	0 46	22 13	0 16	16 8	0 59	21 56	0 0	5 44	1 14	3 8	16 10	22 41	22 44	17 24	17 14	6 10
W17	1 30	20 50	2 12	8 4	2 30	8 27	1 24	22 34	0 47	22 14	0 16	16 7	0 59	21 56	0 0	5 45	1 14	3 8	16 10	22 41	22 45	17 26	17 13	6 11
T 18	1 6	22 17	1 12	8 32	2 40	7 59	1 24	22 29	0 48	22 15	0 16	16 5	1 0	21 56	0 0	5 46	1 14	3 7	16 10	22 41	22 45	17 28	17 13	6 12
F 19	0 43	22 43	0 9	8 56	2 50	7 31	1 25	22 23	0 49	22 16	0 16	16 3	1 0	21 56	0 0	5 46	1 14	3 7	16 10	22 41	22 45	17 30	17 12	6 12
S 20	0 19	22 4	0s56	9 16	2 58	7 3	1 26	22 17	0 50	22 17	0 15	16 1	1 0	21 57	0 0	5 47	1 14	3 6	16 9	22 41	22 46	17 32	17 11	6 13
S 21	0n 5	20 17	2 0	9 33	3 6	6 34	1 26	22 10	0 51	22 18	0 15	15 59	1 0	21 57	0 0	5 47	1 14	3 5	16 9	22 42	22 46	17 34	17 11	6 14
M22	0 28	17 26	2 59	9 45	3 12	6 5	1 27	22 4	0 52	22 19	0 15	15 58	1 0	21 57	0 0	5 48	1 14	3 5	16 9	22 42	22 46	17 36	17 10	6 14
T 23	0 52	13 35	3 51	9 53	3 17	5 37	1 27	21 57	0 53	22 20	0 15	15 56	1 0	21 58	0 0	5 49	1 14	3 4	16 9	22 43	22 47	17 38	17 9	6 15
W24	1 16	8 54	4 30	9 57	3 20	5 8	1 27	21 50	0 55	22 21	0 15	15 54	1 0	21 58	0 0	5 49	1 14	3 4	16 9	22 44	22 47	17 40	17 9	6 15
T 25	1 39	3 37	4 54	9 57	3 22	4 39	1 28	21 43	0 56	22 22	0 15	15 52	1 0	21 58	0 0	5 50	1 14	3 3	16 8	22 45	22 47	17 42	17 8	6 16
F 26	2 3	1n57	5 0	9 52	3 23	4 9	1 28	21 36	0 57	22 24	0 14	15 51	1 1	21 58	0 0	5 51	1 14	3 3	16 8	22 46	22 48	17 44	17 7	6 17
S 27	2 26	7 30	4 47	9 44	3 22	3 40	1 28	21 28	0 58	22 25	0 14	15 49	1 1	21 59	0 0	5 51	1 14	3 2	16 8	22 47	22 48	17 45	17 6	6 17
S 28	2 50	12 38	4 14	9 31	3 19	3 10	1 28	21 21	0 59	22 26	0 14	15 47	1 1	21 59	0 0	5 52	1 14	3 1	16 8	22 48	22 48	17 47	17 6	6 18
M29	3 13	17 0	3 25	9 15	3 15	2 41	1 28	21 13	1 0	22 27	0 14	15 46	1 1	21 59	0 0	5 52	1 14	3 1	16 8	22 49	22 49	17 49	17 5	6 19
T 30	3 37	20 17	2 23	8 56	3 9	2 11	1 28	21 5	1 1	22 28	0 14	15 44	1 1	22 0	0 0	5 53	1 14	3 0	16 8	22 49	22 49	17 51	17 4	6 19
W31	4n 0	22n16	1s13	8n34	3n 1	1s42	1s28	20s57	1s 3	22n29	0s14	15s42	1s 1	22n 0	0n 0	5n54	1n14	3s 0	16s 8	22n49	22n49	17s53	17s 4	6n20

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

APRIL 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 36 30	11♈ 3'14	13♋19	13°R56	0♈22	1♒57	15♊47	20♒26	10♊ 0	17°R57	1♉57	13°R17	13♋17	4♐31	5♑ 9	T 1
F 2	12 40 26	12° 2'13	27° 3	13♈11	1°36	2°39	15°56	20°31	10° 3	17♍55	1°58	13♋17	13°14	4°37	5°10	F 2
S 3	12 44 23	13° 1'09	10♌32	12°25	2°50	3°22	16° 5	20°36	10° 5	17°54	1°59	13°15	13°10	4°44	5°11	S 3
S 4	12 48 20	14° 0'03	23°49	11°38	4° 4	4° 5	16°15	20°42	10° 7	17°52	2° 0	13°11	13° 7	4°51	5°12	S 4
M 5	12 52 16	14°58'54	6♍54	10°51	5°18	4°47	16°25	20°47	10° 9	17°51	2° 2	13° 4	13° 4	4°57	5°13	M 5
T 6	12 56 13	15°57'44	19°48	10° 6	6°33	5°30	16°34	20°52	10°12	17°49	2° 3	12°54	13° 1	5° 4	5°14	T 6
W 7	13 0 9	16°56'31	2♎30	9°23	7°47	6°13	16°44	20°57	10°14	17°48	2° 4	12°42	12°58	5°11	5°14	W 7
T 8	13 4 6	17°55'16	15° 2	8°43	9° 1	6°55	16°54	21° 2	10°17	17°47	2° 6	12°29	12°54	5°18	5°15	T 8
F 9	13 8 2	18°53'59	27°23	8° 6	10°15	7°38	17° 4	21° 7	10°19	17°45	2° 7	12°15	12°51	5°24	5°15	F 9
S 10	13 11 59	19°52'40	9♏34	7°33	11°29	8°21	17°14	21°12	10°22	17°44	2° 8	12° 2	12°48	5°31	5°16	S 10
S 11	13 15 55	20°51'19	21°35	7° 5	12°43	9° 3	17°24	21°17	10°24	17°43	2°10	11°52	12°45	5°38	5°16	S 11
M12	13 19 52	21°49'57	3♐28	6°41	13°58	9°46	17°34	21°21	10°27	17°41	2°11	11°44	12°42	5°44	5°16	M12
T 13	13 23 49	22°48'33	15°17	6°22	15°12	10°29	17°45	21°26	10°29	17°40	2°12	11°38	12°39	5°51	5°R16	T 13
W14	13 27 45	23°47'07	27° 5	6° 8	16°26	11°11	17°55	21°31	10°32	17°39	2°14	11°36	12°35	5°58	5°16	W14
T 15	13 31 42	24°45'39	8♑57	5°59	17°40	11°54	18° 6	21°35	10°35	17°37	2°15	11°D35	12°32	6° 4	5°16	T 15
F 16	13 35 38	25°44'10	20°58	5°D55	18°54	12°37	18°17	21°39	10°37	17°36	2°17	11°R35	12°29	6°11	5°16	F 16
S 17	13 39 35	26°42'39	3♒13	5°56	20° 8	13°19	18°27	21°44	10°40	17°35	2°18	11°35	12°26	6°18	5°15	S 17
S 18	13 43 31	27°41'06	15°48	6° 2	21°22	14° 2	18°38	21°48	10°43	17°34	2°19	11°34	12°23	6°24	5°15	S 18
M19	13 47 28	28°39'32	28°46	6°13	22°36	14°44	18°49	21°52	10°46	17°33	2°21	11°30	12°19	6°31	5°14	M19
T 20	13 51 24	29°37'56	12♓12	6°29	23°50	15°27	19° 0	21°56	10°49	17°31	2°22	11°24	12°16	6°38	5°14	T 20
W21	13 55 21	0♉36'19	26° 7	6°49	25° 4	16°10	19°11	22° 0	10°52	17°30	2°23	11°16	12°13	6°44	5°13	W21
T 22	13 59 18	1°34'40	10♈29	7°14	26°18	16°52	19°22	22° 4	10°54	17°29	2°25	11° 7	12°10	6°51	5°13	T 22
F 23	14 3 14	2°32'59	25°13	7°44	27°32	17°35	19°34	22° 8	10°57	17°28	2°26	10°56	12° 7	6°58	5°12	F 23
S 24	14 7 11	3°31'16	10♉12	8°17	28°46	18°17	19°45	22°12	11° 0	17°27	2°27	10°46	12° 4	7° 4	5°11	S 24
S 25	14 11 7	4°29'32	25°15	8°54	0♉ 0	19° 0	19°56	22°16	11° 3	17°26	2°29	10°38	12° 0	7°11	5°10	S 25
M26	14 15 4	5°27'45	10♊15	9°35	1°14	19°42	20° 8	22°19	11° 6	17°25	2°30	10°33	11°57	7°18	5° 9	M26
T 27	14 19 0	6°25'57	25° 1	10°20	2°28	20°25	20°20	22°23	11° 9	17°24	2°32	10°30	11°54	7°24	5° 8	T 27
W28	14 22 57	7°24'07	9♋30	11° 8	3°42	21° 7	20°31	22°27	11°12	17°23	2°33	10°D29	11°51	7°31	5° 7	W28
T 29	14 26 53	8°22'15	23°37	12° 0	4°56	21°50	20°43	22°30	11°16	17°22	2°34	10°29	11°48	7°38	5° 5	T 29
F 30	14 30 50	9♉20'21	7♌23	12♈55	6♉10	22♒32	20♊55	22♒33	11♊19	17♍21	2♉36	10°R29	11♋45	7♐44	5♑ 4	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n23	22n49	0n 0	8n 8	2n52	1s12	1s28	20s48	1s 4	22n30	0s14	15s41	1s 1	22n 0	0n 0	5n54	1n14	2s59	16s 7	22n49	22n50	17s55	17s 3	6n21
F 2	4 46	21 58	1 12	7 41	2 41	0 42	1 27	20 40	1 5	22 31	0 13	15 39	1 2	22 1	0 0	5 55	1 14	2 59	16 7	22 50	22 50	17 57	17 2	6 21
S 3	5 9	19 51	2 19	7 12	2 29	0 12	1 27	20 31	1 6	22 32	0 13	15 38	1 2	22 1	0 0	5 55	1 14	2 58	16 7	22 50	22 50	17 59	17 2	6 22
S 4	5 32	16 42	3 17	6 41	2 16	0n18	1 27	20 22	1 7	22 34	0 13	15 36	1 2	22 1	0 0	5 56	1 14	2 58	16 7	22 50	22 50	18 0	17 1	6 23
M 5	5 55	12 45	4 3	6 10	2 1	0 48	1 26	20 13	1 8	22 35	0 13	15 35	1 2	22 2	0 1	5 56	1 14	2 57	16 7	22 51	22 51	18 2	17 0	6 23
T 6	6 18	8 17	4 36	5 38	1 46	1 18	1 26	20 4	1 10	22 36	0 13	15 33	1 2	22 2	0 1	5 57	1 14	2 57	16 7	22 52	22 51	18 4	17 0	6 24
W 7	6 40	3 31	4 55	5 7	1 30	1 47	1 25	19 54	1 11	22 37	0 13	15 32	1 2	22 2	0 1	5 58	1 14	2 56	16 7	22 53	22 51	18 6	16 59	6 25
T 8	7 3	1s20	5 0	4 36	1 14	2 17	1 25	19 45	1 12	22 38	0 13	15 30	1 2	22 3	0 1	5 58	1 14	2 55	16 7	22 54	22 52	18 8	16 58	6 25
F 9	7 25	6 3	4 50	4 6	0 58	2 47	1 24	19 35	1 13	22 39	0 12	15 29	1 3	22 3	0 1	5 59	1 14	2 55	16 6	22 55	22 52	18 10	16 58	6 26
S 10	7 47	10 29	4 27	3 38	0 41	3 17	1 23	19 25	1 14	22 40	0 12	15 27	1 3	22 3	0 1	5 59	1 14	2 54	16 6	22 57	22 52	18 12	16 57	6 26
S 11	8 9	14 28	3 52	3 12	0 25	3 46	1 22	19 15	1 16	22 41	0 12	15 26	1 3	22 4	0 1	6 0	1 14	2 54	16 6	22 58	22 53	18 14	16 56	6 27
M12	8 31	17 50	3 7	2 47	0 8	4 16	1 21	19 4	1 17	22 42	0 12	15 24	1 3	22 4	0 1	6 0	1 14	2 53	16 6	22 58	22 53	18 15	16 56	6 28
T 13	8 53	20 27	2 15	2 25	0s 8	4 46	1 20	18 54	1 18	22 44	0 12	15 23	1 3	22 5	0 1	6 1	1 13	2 53	16 6	22 59	22 53	18 17	16 55	6 28
W14	9 15	22 11	1 16	2 5	0 23	5 15	1 19	18 43	1 19	22 45	0 12	15 22	1 3	22 5	0 1	6 1	1 13	2 52	16 6	22 59	22 54	18 19	16 54	6 29
T 15	9 37	22 57	0 14	1 48	0 38	5 44	1 18	18 33	1 21	22 46	0 12	15 20	1 4	22 5	0 1	6 2	1 13	2 52	16 6	22 59	22 54	18 21	16 54	6 30
F 16	9 58	22 40	0s50	1 33	0 53	6 14	1 17	18 22	1 22	22 47	0 12	15 19	1 4	22 6	0 1	6 2	1 13	2 51	16 6	22 59	22 54	18 23	16 53	6 30
S 17	10 19	21 18	1 52	1 21	1 6	6 43	1 16	18 11	1 23	22 48	0 11	15 18	1 4	22 6	0 1	6 3	1 13	2 51	16 6	22 59	22 54	18 25	16 52	6 31
S 18	10 40	18 51	2 51	1 11	1 20	7 12	1 15	18 0	1 24	22 49	0 11	15 17	1 4	22 7	0 1	6 3	1 13	2 50	16 6	22 59	22 55	18 26	16 52	6 32
M19	11 1	15 24	3 43	1 4	1 32	7 40	1 14	17 48	1 25	22 50	0 11	15 16	1 4	22 7	0 1	6 3	1 13	2 50	16 6	22 59	22 55	18 28	16 51	6 32
T 20	11 22	11 4	4 25	1 0	1 43	8 9	1 12	17 37	1 27	22 51	0 11	15 14	1 4	22 7	0 1	6 4	1 13	2 49	16 6	23 0	22 55	18 30	16 51	6 33
W21	11 42	6 1	4 52	0 58	1 54	8 37	1 11	17 25	1 28	22 52	0 11	15 13	1 5	22 8	0 1	6 4	1 13	2 49	16 6	23 1	22 56	18 32	16 50	6 33
T 22	12 3	0 29	5 2	0 59	2 4	9 6	1 9	17 14	1 29	22 53	0 11	15 12	1 5	22 8	0 1	6 5	1 13	2 48	16 6	23 1	22 56	18 34	16 49	6 34
F 23	12 23	5n13	4 53	1 2	2 13	9 34	1 8	17 2	1 30	22 54	0 11	15 11	1 5	22 9	0 1	6 5	1 13	2 48	16 6	23 2	22 56	18 35	16 49	6 35
S 24	12 43	10 44	4 24	1 7	2 22	10 2	1 6	16 50	1 32	22 55	0 11	15 10	1 5	22 9	0 1	6 6	1 13	2 48	16 6	23 3	22 56	18 37	16 48	6 35
S 25	13 3	15 37	3 36	1 15	2 30	10 29	1 5	16 38	1 33	22 56	0 10	15 9	1 5	22 10	0 1	6 6	1 13	2 47	16 6	23 4	22 57	18 39	16 48	6 36
M26	13 22	19 30	2 34	1 25	2 36	10 56	1 3	16 26	1 34	22 57	0 10	15 8	1 5	22 10	0 1	6 6	1 13	2 47	16 6	23 4	22 57	18 41	16 47	6 37
T 27	13 42	22 2	1 21	1 37	2 43	11 24	1 2	16 13	1 36	22 58	0 10	15 7	1 6	22 10	0 1	6 7	1 13	2 46	16 6	23 4	22 57	18 43	16 47	6 37
W28	14 1	23 4	0 5	1 51	2 48	11 50	1 0	16 1	1 37	22 59	0 10	15 6	1 6	22 11	0 1	6 7	1 13	2 46	16 6	23 4	22 58	18 44	16 46	6 38
T 29	14 19	22 34	1n10	2 6	2 52	12 17	0 58	15 48	1 38	23 0	0 10	15 5	1 6	22 11	0 1	6 7	1 13	2 45	16 6	23 4	22 58	18 46	16 45	6 38
F 30	14n38	20n42	2n19	2n24	2s56	12n43	0s56	15s36	1s39	23n 1	0s10	15s 4	1s 6	22n12	0n 1	6n 8	1n13	2s45	16s 6	23n 4	22n58	18s48	16s45	6n39

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

MAY 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 34 47	10♉18'25	20♌49	13♈53	7♉24	23♒14	21♊ 7	22♒36	11♊22	17°R20	2♉37	10°R29	11♋41	7♐51	5°R 2	S 1
S 2	14 38 43	11°16'27	3♍56	14°54	8°38	23°57	21°19	22°40	11°25	17♍20	2°38	10♋27	11°38	7°58	5♑ 1	S 2
M 3	14 42 40	12°14'27	16°48	15°58	9°52	24°39	21°31	22°43	11°28	17°19	2°40	10°22	11°35	8° 4	4°59	M 3
T 4	14 46 36	13°12'25	29°26	17° 4	11° 6	25°21	21°43	22°46	11°31	17°18	2°41	10°15	11°32	8°11	4°58	T 4
W 5	14 50 33	14°10'21	11♎53	18°13	12°20	26° 4	21°55	22°48	11°35	17°17	2°42	10° 6	11°29	8°18	4°56	W 5
T 6	14 54 29	15° 8'15	24° 9	19°25	13°34	26°46	22° 7	22°51	11°38	17°17	2°44	9°56	11°25	8°24	4°54	T 6
F 7	14 58 26	16° 6'08	6♏17	20°40	14°48	27°28	22°19	22°54	11°41	17°16	2°45	9°46	11°22	8°31	4°52	F 7
S 8	15 2 22	17° 4'00	18°18	21°57	16° 1	28°10	22°31	22°56	11°44	17°15	2°47	9°37	11°19	8°38	4°50	S 8
S 9	15 6 19	18° 1'50	0♐12	23°16	17°15	28°52	22°44	22°59	11°48	17°15	2°48	9°29	11°16	8°44	4°48	S 9
M10	15 10 16	18°59'38	12° 2	24°38	18°29	29°34	22°56	23° 1	11°51	17°14	2°49	9°23	11°13	8°51	4°46	M10
T 11	15 14 12	19°57'25	23°50	26° 2	19°43	0♓17	23° 9	23° 4	11°54	17°13	2°51	9°19	11°10	8°58	4°44	T 11
W12	15 18 9	20°55'11	5♑39	27°29	20°57	0°59	23°21	23° 6	11°58	17°13	2°52	9°D18	11° 6	9° 4	4°41	W12
T 13	15 22 5	21°52'56	17°32	28°58	22°11	1°41	23°34	23° 8	12° 1	17°12	2°53	9°18	11° 3	9°11	4°39	T 13
F 14	15 26 2	22°50'39	29°34	0♉29	23°24	2°23	23°46	23°10	12° 5	17°12	2°54	9°19	11° 0	9°18	4°37	F 14
S 15	15 29 58	23°48'22	11♒49	2° 2	24°38	3° 4	23°59	23°12	12° 8	17°11	2°56	9°21	10°57	9°24	4°34	S 15
S 16	15 33 55	24°46'03	24°22	3°38	25°52	3°46	24°12	23°14	12°11	17°11	2°57	9°R21	10°54	9°31	4°31	S 16
M17	15 37 51	25°43'43	7♓17	5°16	27° 6	4°28	24°25	23°16	12°15	17°11	2°58	9°21	10°51	9°38	4°29	M17
T 18	15 41 48	26°41'22	20°39	6°56	28°20	5°10	24°37	23°17	12°18	17°10	3° 0	9°18	10°47	9°44	4°26	T 18
W19	15 45 45	27°39'01	4♈29	8°39	29°33	5°52	24°50	23°19	12°22	17°10	3° 1	9°14	10°44	9°51	4°23	W19
T 20	15 49 41	28°36'38	18°47	10°23	0♊47	6°33	25° 3	23°20	12°25	17°10	3° 2	9° 9	10°41	9°58	4°21	T 20
F 21	15 53 38	29°34'14	3♉31	12°10	2° 1	7°15	25°16	23°22	12°29	17° 9	3° 3	9° 3	10°38	10° 4	4°18	F 21
S 22	15 57 34	0♊31'49	18°33	13°59	3°15	7°56	25°29	23°23	12°32	17° 9	3° 5	8°58	10°35	10°11	4°15	S 22
S 23	16 1 31	1°29'23	3♊46	15°51	4°29	8°38	25°42	23°24	12°36	17° 9	3° 6	8°53	10°31	10°18	4°12	S 23
M24	16 5 27	2°26'57	18°57	17°44	5°42	9°19	25°55	23°25	12°39	17° 9	3° 7	8°50	10°28	10°24	4° 9	M24
T 25	16 9 24	3°24'29	3♋59	19°40	6°56	10° 1	26° 8	23°26	12°43	17° 8	3° 8	8°D49	10°25	10°31	4° 6	T 25
W26	16 13 20	4°21'59	18°43	21°38	8°10	10°42	26°21	23°27	12°46	17° 8	3°10	8°49	10°22	10°38	4° 3	W26
T 27	16 17 17	5°19'29	3♌ 4	23°37	9°24	11°23	26°35	23°28	12°50	17° 8	3°11	8°50	10°19	10°44	3°59	T 27
F 28	16 21 14	6°16'57	17° 0	25°39	10°37	12° 4	26°48	23°29	12°53	17° 8	3°12	8°52	10°16	10°51	3°56	F 28
S 29	16 25 10	7°14'24	0♍31	27°43	11°51	12°45	27° 1	23°29	12°57	17°D 8	3°13	8°53	10°12	10°58	3°53	S 29
S 30	16 29 7	8°11'49	13°39	29°48	13° 5	13°26	27°14	23°30	13° 0	17° 8	3°14	8°R53	10° 9	11° 4	3°50	S 30
M31	16 33 3	9♊ 9'13	26♍27	1♊55	14♊19	14♓ 7	27♊27	23♒30	13♊ 4	17♍ 8	3♉15	8♋51	10♋ 6	11♐11	3♑46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n57	17n43	3n18	2n44	3s 0	13n 9	0s55	15s23	1s41	23n 2	0s10	15s 3	1s 6	22n12	0n 1	6n 8	1n13	2s44	16s 6	23n 4	22n58	18s50	16s44	6n40
S 2	15 15	13 54	4 6	3 5	3 2	13 35	0 53	15 10	1 42	23 3	0 10	15 2	1 6	22 13	0 1	6 8	1 13	2 44	16 6	23 5	22 59	18 52	16 44	6 40
M 3	15 33	9 31	4 40	3 28	3 4	14 0	0 51	14 57	1 43	23 4	0 9	15 1	1 7	22 13	0 1	6 9	1 13	2 44	16 6	23 5	22 59	18 53	16 43	6 41
T 4	15 50	4 48	5 0	3 52	3 5	14 25	0 49	14 44	1 45	23 4	0 9	15 1	1 7	22 13	0 1	6 9	1 13	2 43	16 6	23 6	22 59	18 55	16 43	6 41
W 5	16 8	0s 2	5 5	4 18	3 5	14 50	0 47	14 31	1 46	23 5	0 9	15 0	1 7	22 14	0 1	6 9	1 13	2 43	16 6	23 6	23 0	18 57	16 42	6 42
T 6	16 25	4 48	4 56	4 46	3 5	15 14	0 45	14 18	1 47	23 6	0 9	14 59	1 7	22 14	0 1	6 9	1 13	2 42	16 6	23 7	23 0	18 59	16 42	6 42
F 7	16 41	9 20	4 33	5 15	3 4	15 38	0 43	14 4	1 48	23 7	0 9	14 58	1 7	22 15	0 1	6 10	1 13	2 42	16 6	23 8	23 0	19 0	16 41	6 43
S 8	16 58	13 29	3 59	5 45	3 3	16 1	0 41	13 51	1 50	23 8	0 9	14 58	1 8	22 15	0 1	6 10	1 13	2 42	16 6	23 8	23 0	19 2	16 41	6 43
S 9	17 14	17 4	3 14	6 16	3 0	16 24	0 39	13 37	1 51	23 9	0 9	14 57	1 8	22 16	0 1	6 10	1 13	2 41	16 6	23 9	23 1	19 4	16 40	6 44
M10	17 30	19 57	2 22	6 49	2 58	16 47	0 36	13 24	1 52	23 9	0 9	14 56	1 8	22 16	0 1	6 10	1 13	2 41	16 6	23 9	23 1	19 6	16 40	6 45
T 11	17 46	21 58	1 23	7 22	2 54	17 9	0 34	13 10	1 54	23 10	0 9	14 56	1 8	22 17	0 1	6 11	1 13	2 41	16 6	23 10	23 1	19 7	16 39	6 45
W12	18 1	23 2	0 20	7 57	2 50	17 31	0 32	12 56	1 55	23 11	0 8	14 55	1 8	22 17	0 1	6 11	1 13	2 40	16 6	23 10	23 1	19 9	16 39	6 46
T 13	18 17	23 4	0s44	8 33	2 46	17 52	0 30	12 43	1 56	23 12	0 8	14 55	1 8	22 18	0 1	6 11	1 13	2 40	16 6	23 10	23 2	19 11	16 39	6 46
F 14	18 31	22 2	1 48	9 9	2 41	18 13	0 28	12 29	1 57	23 12	0 8	14 54	1 9	22 18	0 1	6 11	1 13	2 40	16 6	23 10	23 2	19 13	16 38	6 47
S 15	18 46	19 57	2 47	9 47	2 35	18 34	0 25	12 15	1 59	23 13	0 8	14 54	1 9	22 18	0 1	6 11	1 13	2 39	16 7	23 10	23 2	19 14	16 38	6 47
S 16	19 0	16 53	3 40	10 25	2 29	18 53	0 23	12 1	2 0	23 14	0 8	14 53	1 9	22 19	0 1	6 11	1 13	2 39	16 7	23 10	23 2	19 16	16 37	6 48
M17	19 14	12 55	4 23	11 4	2 23	19 13	0 21	11 46	2 1	23 14	0 8	14 53	1 9	22 19	0 1	6 11	1 13	2 39	16 7	23 10	23 3	19 18	16 37	6 48
T 18	19 27	8 13	4 54	11 43	2 15	19 32	0 18	11 32	2 3	23 15	0 8	14 53	1 9	22 20	0 1	6 12	1 13	2 38	16 7	23 10	23 3	19 20	16 37	6 49
W19	19 41	2 57	5 9	12 24	2 8	19 50	0 16	11 18	2 4	23 16	0 8	14 52	1 10	22 20	0 1	6 12	1 13	2 38	16 7	23 10	23 3	19 21	16 36	6 49
T 20	19 54	2n40	5 6	13 4	2 0	20 8	0 14	11 4	2 5	23 16	0 8	14 52	1 10	22 21	0 1	6 12	1 13	2 38	16 7	23 10	23 4	19 23	16 36	6 50
F 21	20 6	8 17	4 43	13 45	1 51	20 25	0 11	10 50	2 7	23 17	0 7	14 52	1 10	22 21	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 25	16 35	6 50
S 22	20 18	13 33	4 0	14 26	1 43	20 42	0 9	10 35	2 8	23 17	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 26	16 35	6 50
S 23	20 30	18 1	2 59	15 8	1 33	20 58	0 7	10 21	2 9	23 18	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 28	16 35	6 51
M24	20 42	21 16	1 46	15 49	1 24	21 14	0 4	10 6	2 11	23 18	0 7	14 51	1 11	22 23	0 1	6 12	1 12	2 37	16 8	23 12	23 5	19 30	16 34	6 51
T 25	20 53	22 59	0 26	16 30	1 14	21 29	0 2	9 52	2 12	23 19	0 7	14 51	1 11	22 23	0 1	6 12	1 12	2 36	16 8	23 12	23 5	19 32	16 34	6 52
W26	21 4	23 4	0n54	17 11	1 4	21 43	0n 1	9 37	2 13	23 19	0 7	14 51	1 11	22 24	0 1	6 12	1 12	2 36	16 8	23 12	23 5	19 33	16 34	6 52
T 27	21 14	21 36	2 9	17 52	0 53	21 57	0 3	9 23	2 14	23 20	0 7	14 51	1 11	22 24	0 1	6 12	1 12	2 36	16 8	23 12	23 5	19 35	16 33	6 52
F 28	21 24	18 51	3 14	18 32	0 42	22 10	0 5	9 8	2 16	23 20	0 7	14 51	1 11	22 24	0 1	6 12	1 12	2 36	16 8	23 12	23 6	19 37	16 33	6 53
S 29	21 34	15 8	4 6	19 11	0 32	22 23	0 8	8 54	2 17	23 21	0 7	14 51	1 12	22 25	0 1	6 12	1 12	2 35	16 8	23 11	23 6	19 38	16 33	6 53
S 30	21 43	10 48	4 44	19 49	0 21	22 35	0 10	8 39	2 18	23 21	0 6	14 51	1 12	22 25	0 1	6 12	1 12	2 35	16 9	23 11	23 6	19 40	16 33	6 54
M31	21n52	6n 5	5n 6	20n25	0s10	22n46	0n12	8s24	2s20	23n22	0s 6	14s51	1s12	22n26	0n 1	6n12	1n12	2s35	16s 9	23n12	23n 6	19s42	16s32	6n54

Julian Day Number = 2309220.5, Delta T = 76.31 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'06, Lahiri = 18°25'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

JUNE 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 37 0	10♊ 6'36	8♎58	4♊ 3	15♊32	14♓48	27♊41	23♒30	13♊ 8	17♍ 8	3♉17	8°R49	10♋ 3	11♐18	3°R43	T 1
W 2	16 40 56	11° 3'58	21°15	6°13	16°46	15°29	27°54	23°30	13°11	17° 9	3°18	8♋45	10° 0	11°24	3♑39	W 2
T 3	16 44 53	12° 1'19	3♏21	8°24	18° 0	16° 9	28° 7	23°R31	13°15	17° 9	3°19	8°41	9°57	11°31	3°36	T 3
F 4	16 48 49	12°58'39	15°19	10°35	19°13	16°50	28°21	23°31	13°18	17° 9	3°20	8°37	9°53	11°38	3°32	F 4
S 5	16 52 46	13°55'58	27°12	12°47	20°27	17°30	28°34	23°30	13°22	17° 9	3°21	8°33	9°50	11°44	3°29	S 5
S 6	16 56 43	14°53'17	9♐ 2	14°59	21°41	18°11	28°48	23°30	13°25	17° 9	3°22	8°29	9°47	11°51	3°25	S 6
M 7	17 0 39	15°50'34	20°51	17°11	22°54	18°51	29° 1	23°30	13°29	17°10	3°23	8°27	9°44	11°58	3°22	M 7
T 8	17 4 36	16°47'52	2♑41	19°22	24° 8	19°31	29°15	23°30	13°32	17°10	3°24	8°D26	9°41	12° 4	3°18	T 8
W 9	17 8 32	17°45'08	14°34	21°33	25°22	20°11	29°28	23°29	13°36	17°10	3°25	8°26	9°37	12°11	3°14	W 9
T 10	17 12 29	18°42'24	26°33	23°43	26°35	20°51	29°42	23°28	13°40	17°11	3°26	8°27	9°34	12°18	3°11	T 10
F 11	17 16 25	19°39'39	8♒41	25°52	27°49	21°31	29°55	23°28	13°43	17°11	3°27	8°28	9°31	12°24	3° 7	F 11
S 12	17 20 22	20°36'54	21° 1	28° 0	29° 3	22°11	0♋ 9	23°27	13°47	17°12	3°28	8°30	9°28	12°31	3° 3	S 12
S 13	17 24 18	21°34'09	3♓37	0♋ 6	0♋16	22°51	0°22	23°26	13°50	17°12	3°29	8°31	9°25	12°38	2°59	S 13
M14	17 28 15	22°31'24	16°32	2°11	1°30	23°30	0°36	23°25	13°54	17°12	3°30	8°R32	9°22	12°44	2°55	M14
T 15	17 32 12	23°28'38	29°50	4°14	2°44	24°10	0°49	23°24	13°57	17°13	3°31	8°32	9°18	12°51	2°52	T 15
W16	17 36 8	24°25'52	13♈32	6°15	3°57	24°49	1° 3	23°23	14° 1	17°14	3°32	8°31	9°15	12°58	2°48	W16
T 17	17 40 5	25°23'06	27°40	8°14	5°11	25°28	1°16	23°22	14° 4	17°14	3°33	8°30	9°12	13° 4	2°44	T 17
F 18	17 44 1	26°20'20	12♉12	10°11	6°24	26° 7	1°30	23°20	14° 8	17°15	3°34	8°28	9° 9	13°11	2°40	F 18
S 19	17 47 58	27°17'34	27° 4	12° 6	7°38	26°46	1°44	23°19	14°11	17°15	3°35	8°27	9° 6	13°18	2°36	S 19
S 20	17 51 54	28°14'48	12♊ 9	13°59	8°52	27°25	1°57	23°17	14°15	17°16	3°36	8°26	9° 3	13°24	2°32	S 20
M21	17 55 51	29°12'02	27°18	15°50	10° 5	28° 4	2°11	23°16	14°18	17°17	3°37	8°25	8°59	13°31	2°28	M21
T 22	17 59 47	0♋ 9'15	12♋22	17°39	11°19	28°42	2°24	23°14	14°22	17°18	3°37	8°D25	8°56	13°38	2°24	T 22
W23	18 3 44	1° 6'29	27°13	19°25	12°33	29°21	2°38	23°12	14°25	17°18	3°38	8°26	8°53	13°44	2°21	W23
T 24	18 7 41	2° 3'42	11♌43	21°10	13°46	29°59	2°52	23°10	14°29	17°19	3°39	8°26	8°50	13°51	2°17	T 24
F 25	18 11 37	3° 0'54	25°49	22°52	15° 0	0♈37	3° 5	23° 8	14°32	17°20	3°40	8°27	8°47	13°57	2°13	F 25
S 26	18 15 34	3°58'06	9♍28	24°32	16°14	1°15	3°19	23° 6	14°35	17°21	3°41	8°27	8°43	14° 4	2° 9	S 26
S 27	18 19 30	4°55'18	22°42	26° 9	17°27	1°52	3°32	23° 4	14°39	17°22	3°41	8°27	8°40	14°11	2° 5	S 27
M28	18 23 27	5°52'29	5♎32	27°45	18°41	2°30	3°46	23° 2	14°42	17°23	3°42	8°R27	8°37	14°17	2° 1	M28
T 29	18 27 23	6°49'40	18° 2	29°18	19°54	3° 7	4° 0	22°59	14°46	17°24	3°43	8°27	8°34	14°24	1°57	T 29
W30	18 31 20	7♋46'51	0♏15	0♌49	21♋ 8	3♈44	4♋13	22♒57	14♊49	17♍25	3♉44	8♋27	8♋31	14♐31	1♑53	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 1	1n14	5n13	21n 1	0n 1	22n57	0n15	8s10	2s21	23n22	0s 6	14s51	1s12	22n26	0n 1	6n12	1n12	2s35	16s 9	23n12	23n 6	19s43	16s32	6n54
W 2	22 9	3s35	5 6	21 35	0 11	23 7	0 17	7 55	2 22	23 22	0 6	14 51	1 12	22 27	0 1	6 12	1 12	2 35	16 9	23 12	23 7	19 45	16 32	6 55
T 3	22 17	8 11	4 45	22 7	0 22	23 16	0 20	7 41	2 23	23 22	0 6	14 51	1 12	22 27	0 1	6 12	1 12	2 34	16 9	23 12	23 7	19 47	16 32	6 55
F 4	22 24	12 27	4 12	22 36	0 32	23 25	0 22	7 26	2 25	23 23	0 6	14 51	1 13	22 28	0 1	6 12	1 12	2 34	16 9	23 13	23 7	19 48	16 31	6 55
S 5	22 31	16 12	3 28	23 4	0 42	23 33	0 24	7 11	2 26	23 23	0 6	14 52	1 13	22 28	0 1	6 11	1 12	2 34	16 10	23 13	23 7	19 50	16 31	6 56
S 6	22 38	19 18	2 35	23 29	0 51	23 40	0 27	6 57	2 27	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 52	16 31	6 56
M 7	22 44	21 35	1 35	23 52	1 0	23 47	0 29	6 42	2 29	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 53	16 31	6 56
T 8	22 50	22 56	0 32	24 12	1 9	23 53	0 31	6 27	2 30	23 24	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 55	16 31	6 56
W 9	22 55	23 15	0s34	24 30	1 17	23 58	0 33	6 13	2 31	23 24	0 5	14 53	1 14	22 30	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 57	16 30	6 57
T 10	23 0	22 30	1 38	24 44	1 24	24 2	0 36	5 58	2 32	23 24	0 5	14 53	1 14	22 30	0 1	6 11	1 12	2 33	16 11	23 13	23 9	19 58	16 30	6 57
F 11	23 5	20 42	2 39	24 56	1 30	24 6	0 38	5 43	2 34	23 24	0 5	14 53	1 14	22 31	0 1	6 11	1 12	2 33	16 11	23 13	23 9	20 0	16 30	6 57
S 12	23 9	17 54	3 34	25 5	1 36	24 9	0 40	5 29	2 35	23 24	0 5	14 54	1 14	22 31	0 1	6 10	1 12	2 33	16 11	23 13	23 9	20 2	16 30	6 57
S 13	23 13	14 14	4 20	25 11	1 42	24 12	0 42	5 14	2 36	23 24	0 5	14 54	1 14	22 32	0 1	6 10	1 12	2 33	16 11	23 13	23 9	20 3	16 30	6 58
M14	23 17	9 50	4 54	25 14	1 46	24 13	0 44	5 0	2 37	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33	16 12	23 13	23 9	20 5	16 30	6 58
T 15	23 20	4 51	5 13	25 15	1 50	24 14	0 46	4 45	2 39	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33	16 12	23 13	23 10	20 6	16 30	6 58
W16	23 22	0n31	5 15	25 13	1 53	24 14	0 48	4 31	2 40	23 24	0 5	14 56	1 15	22 33	0 1	6 9	1 12	2 33	16 12	23 13	23 10	20 8	16 29	6 58
T 17	23 25	6 1	4 59	25 9	1 55	24 14	0 51	4 16	2 41	23 24	0 5	14 57	1 15	22 33	0 1	6 9	1 12	2 33	16 12	23 13	23 10	20 10	16 29	6 58
F 18	23 26	11 21	4 24	25 2	1 56	24 13	0 53	4 2	2 42	23 24	0 5	14 57	1 15	22 34	0 1	6 9	1 12	2 33	16 13	23 13	23 10	20 11	16 29	6 59
S 19	23 28	16 8	3 30	24 53	1 57	24 11	0 55	3 47	2 44	23 24	0 4	14 58	1 16	22 34	0 1	6 9	1 12	2 33	16 13	23 13	23 11	20 13	16 29	6 59
S 20	23 29	19 58	2 21	24 42	1 57	24 8	0 56	3 33	2 45	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33	16 13	23 13	23 11	20 14	16 29	6 59
M21	23 29	22 26	1 1	24 29	1 57	24 4	0 58	3 19	2 46	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33	16 13	23 13	23 11	20 16	16 29	6 59
T 22	23 29	23 17	0n22	24 14	1 55	24 0	1 0	3 4	2 47	23 24	0 4	15 0	1 16	22 35	0 1	6 8	1 12	2 33	16 14	23 13	23 11	20 18	16 29	6 59
W23	23 29	22 26	1 42	23 57	1 53	23 56	1 2	2 50	2 48	23 24	0 4	15 1	1 16	22 36	0 1	6 7	1 12	2 32	16 14	23 13	23 11	20 19	16 29	6 59
T 24	23 28	20 6	2 55	23 39	1 51	23 50	1 4	2 36	2 50	23 24	0 4	15 2	1 17	22 36	0 1	6 7	1 12	2 32	16 14	23 13	23 12	20 21	16 29	6 59
F 25	23 27	16 36	3 54	23 19	1 48	23 44	1 6	2 22	2 51	23 23	0 4	15 2	1 17	22 37	0 1	6 7	1 11	2 32	16 14	23 13	23 12	20 22	16 29	6 59
S 26	23 26	12 19	4 38	22 58	1 44	23 37	1 7	2 8	2 52	23 23	0 4	15 3	1 17	22 37	0 1	6 6	1 11	2 32	16 15	23 13	23 12	20 24	16 29	6 59
S 27	23 24	7 35	5 6	22 35	1 39	23 29	1 9	1 54	2 53	23 23	0 4	15 4	1 17	22 37	0 1	6 6	1 11	2 32	16 15	23 13	23 12	20 26	16 29	6 59
M28	23 22	2 39	5 17	22 12	1 34	23 21	1 11	1 40	2 54	23 23	0 4	15 5	1 17	22 38	0 1	6 5	1 11	2 33	16 15	23 13	23 13	20 27	16 29	6 59
T 29	23 19	2s15	5 13	21 47	1 29	23 12	1 12	1 26	2 56	23 22	0 4	15 6	1 17	22 38	0 1	6 5	1 11	2 33	16 15	23 13	23 13	20 29	16 29	6 59
W30	23n16	6s59	4n55	21n21	1n22	23n 2	1n14	1s13	2s57	23n22	0s 3	15s 7	1s18	22n39	0n 1	6n 5	1n11	2s33	16s16	23n13	23n13	20s30	16s29	6n59

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

JULY 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 35 16	8♋44'02	12♏17	2♌18	22♋22	4♈21	4♋27	22°R54	14♊52	17♍26	3♉44	8°D27	8♋28	14♐37	1°R49	T 1
F 2	18 39 13	9°41'12	24°11	3°45	23°35	4°58	4°40	22♒52	14°55	17°27	3°45	8♋27	8°24	14°44	1♑46	F 2
S 3	18 43 10	10°38'23	6♐ 0	5° 9	24°49	5°35	4°54	22°49	14°59	17°28	3°46	8°28	8°21	14°51	1°42	S 3
S 4	18 47 6	11°35'33	17°49	6°31	26° 2	6°11	5° 7	22°46	15° 2	17°29	3°46	8°28	8°18	14°57	1°38	S 4
M 5	18 51 3	12°32'44	29°39	7°51	27°16	6°48	5°21	22°44	15° 5	17°30	3°47	8°28	8°15	15° 4	1°34	M 5
T 6	18 54 59	13°29'55	11♑34	9° 8	28°29	7°24	5°35	22°41	15° 9	17°31	3°47	8°R28	8°12	15°11	1°30	T 6
W 7	18 58 56	14°27'06	23°35	10°23	29°43	7°59	5°48	22°38	15°12	17°33	3°48	8°28	8° 9	15°17	1°27	W 7
T 8	19 2 52	15°24'17	5♒45	11°35	0♌56	8°35	6° 2	22°35	15°15	17°34	3°48	8°27	8° 5	15°24	1°23	T 8
F 9	19 6 49	16°21'29	18° 6	12°45	2°10	9°10	6°15	22°32	15°18	17°35	3°49	8°26	8° 2	15°31	1°19	F 9
S 10	19 10 46	17°18'41	0♓38	13°52	3°23	9°46	6°29	22°28	15°21	17°36	3°50	8°25	7°59	15°37	1°16	S 10
S 11	19 14 42	18°15'54	13°25	14°56	4°37	10°21	6°42	22°25	15°24	17°38	3°50	8°24	7°56	15°44	1°12	S 11
M12	19 18 39	19°13'07	26°27	15°58	5°50	10°55	6°55	22°22	15°28	17°39	3°51	8°23	7°53	15°51	1° 8	M12
T 13	19 22 35	20°10'21	9♈47	16°57	7° 4	11°30	7° 9	22°18	15°31	17°40	3°51	8°22	7°49	15°57	1° 5	T 13
W14	19 26 32	21° 7'36	23°26	17°52	8°18	12° 4	7°22	22°15	15°34	17°42	3°51	8°D22	7°46	16° 4	1° 1	W14
T 15	19 30 28	22° 4'51	7♉24	18°44	9°31	12°38	7°36	22°11	15°37	17°43	3°52	8°23	7°43	16°11	0°58	T 15
F 16	19 34 25	23° 2'08	21°41	19°34	10°45	13°12	7°49	22° 8	15°40	17°45	3°52	8°24	7°40	16°17	0°54	F 16
S 17	19 38 21	23°59'25	6♊14	20°19	11°58	13°45	8° 2	22° 4	15°43	17°46	3°53	8°25	7°37	16°24	0°51	S 17
S 18	19 42 18	24°56'43	21° 0	21° 1	13°12	14°19	8°16	22° 0	15°46	17°48	3°53	8°26	7°34	16°31	0°47	S 18
M19	19 46 15	25°54'03	5♋52	21°40	14°25	14°51	8°29	21°57	15°49	17°49	3°53	8°R26	7°30	16°37	0°44	M19
T 20	19 50 11	26°51'23	20°44	22°14	15°38	15°24	8°42	21°53	15°51	17°51	3°54	8°26	7°27	16°44	0°41	T 20
W21	19 54 8	27°48'43	5♌28	22°45	16°52	15°56	8°55	21°49	15°54	17°52	3°54	8°25	7°24	16°51	0°38	W21
T 22	19 58 4	28°46'04	19°57	23°11	18° 5	16°28	9° 8	21°45	15°57	17°54	3°54	8°22	7°21	16°57	0°34	T 22
F 23	20 2 1	29°43'26	4♍ 5	23°33	19°19	17° 0	9°22	21°41	16° 0	17°55	3°54	8°20	7°18	17° 4	0°31	F 23
S 24	20 5 57	0♌40'48	17°48	23°50	20°32	17°31	9°35	21°37	16° 3	17°57	3°55	8°17	7°14	17°11	0°28	S 24
S 25	20 9 54	1°38'11	1♎ 6	24° 3	21°46	18° 2	9°48	21°33	16° 6	17°59	3°55	8°14	7°11	17°17	0°25	S 25
M26	20 13 50	2°35'35	14° 0	24°10	22°59	18°33	10° 1	21°29	16° 8	18° 0	3°55	8°12	7° 8	17°24	0°22	M26
T 27	20 17 47	3°32'59	26°32	24°R13	24°13	19° 3	10°14	21°25	16°11	18° 2	3°55	8°10	7° 5	17°30	0°19	T 27
W28	20 21 44	4°30'24	8♏46	24°10	25°26	19°33	10°27	21°20	16°14	18° 4	3°55	8°D10	7° 2	17°37	0°16	W28
T 29	20 25 40	5°27'49	20°47	24° 2	26°39	20° 3	10°40	21°16	16°16	18° 5	3°56	8°11	6°59	17°44	0°13	T 29
F 30	20 29 37	6°25'16	2♐39	23°49	27°53	20°32	10°53	21°12	16°19	18° 7	3°56	8°13	6°55	17°50	0°11	F 30
S 31	20 33 33	7♌22'43	14♐28	23♌31	29♌ 6	21♈ 1	11♋ 5	21♒ 8	16♊21	18♍ 9	3♉56	8♋14	6♋52	17♐57	0♑ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n12	11s22	4n24	20n55	1n16	22n52	1n15	0s59	2s58	23n22	0s 3	15s 8	1s18	22n39	0n 1	6n 4	1n11	2s33	16s16	23n13	23n13	20s32	16s29	6n59	
F 2	23 8	15 16	3 42	20 28	1 8	22 41	1 16	0 46	2 59	23 21	0 3	15 9	1 18	22 39	0 1	6 4	1 11	2 33	16 16	23 13	23 13	20 33	16 29	6 59	
S 3	23 4	18 33	2 51	20 0	1 1	22 29	1 18	0 32	3 0	23 21	0 3	15 10	1 18	22 40	0 1	6 3	1 11	2 33	16 17	23 13	23 14	20 35	16 29	6 59	
S 4	22 59	21 4	1 52	19 32	0 53	22 17	1 19	0 19	3 1	23 20	0 3	15 11	1 18	22 40	0 1	6 3	1 11	2 33	16 17	23 13	23 14	20 36	16 29	6 59	
M 5	22 54	22 41	0 49	19 3	0 44	22 4	1 20	0 5	3 2	23 20	0 3	15 12	1 18	22 41	0 1	6 2	1 11	2 33	16 17	23 13	23 14	20 38	16 29	6 59	
T 6	22 48	23 16	0s17	18 34	0 35	21 50	1 21	0n 8	3 4	23 19	0 3	15 13	1 19	22 41	0 1	6 2	1 11	2 33	16 17	23 13	23 14	20 40	16 30	6 59	
W 7	22 42	22 47	1 23	18 5	0 25	21 36	1 23	0 21	3 5	23 19	0 3	15 14	1 19	22 41	0 1	6 1	1 11	2 33	16 18	23 13	23 14	20 41	16 30	6 59	
T 8	22 36	21 14	2 26	17 35	0 15	21 21	1 24	0 34	3 6	23 18	0 3	15 16	1 19	22 42	0 1	6 1	1 11	2 33	16 18	23 13	23 15	20 43	16 30	6 59	
F 9	22 29	18 39	3 23	17 6	0 5	21 6	1 25	0 47	3 7	23 18	0 3	15 17	1 19	22 42	0 1	6 0	1 11	2 33	16 18	23 13	23 15	20 44	16 30	6 59	
S 10	22 22	15 10	4 11	16 37	0s 6	20 49	1 26	1 0	3 8	23 17	0 2	15 18	1 19	22 42	0 1	6 0	1 11	2 33	16 19	23 13	23 15	20 46	16 30	6 59	
S 11	22 14	10 57	4 47	16 7	0 17	20 33	1 26	1 13	3 9	23 17	0 2	15 19	1 19	22 43	0 1	5 59	1 11	2 34	16 19	23 13	23 15	20 47	16 30	6 59	
M12	22 7	6 9	5 10	15 38	0 28	20 16	1 27	1 25	3 10	23 16	0 2	15 20	1 20	22 43	0 1	5 59	1 11	2 34	16 19	23 13	23 15	20 49	16 30	6 59	
T 13	21 58	0 58	5 17	15 10	0 40	19 58	1 28	1 38	3 11	23 16	0 2	15 22	1 20	22 43	0 1	5 58	1 11	2 34	16 20	23 13	23 15	20 50	16 31	6 59	
W14	21 50	4n23	5 6	14 41	0 52	19 39	1 29	1 50	3 12	23 15	0 2	15 23	1 20	22 44	0 1	5 58	1 11	2 34	16 20	23 13	23 16	20 52	16 31	6 58	
T 15	21 41	9 38	4 37	14 14	1 4	19 20	1 29	2 2	3 13	23 14	0 2	15 24	1 20	22 44	0 1	5 57	1 11	2 34	16 20	23 13	23 16	20 53	16 31	6 58	
F 16	21 31	14 30	3 51	13 47	1 16	19 1	1 30	2 14	3 14	23 14	0 2	15 26	1 20	22 44	0 1	5 57	1 11	2 34	16 20	23 13	23 16	20 55	16 31	6 58	
S 17	21 21	18 37	2 49	13 20	1 29	18 41	1 30	2 27	3 15	23 13	0 2	15 27	1 20	22 45	0 1	5 56	1 11	2 34	16 21	23 13	23 16	20 56	16 31	6 58	
S 18	21 11	21 36	1 35	12 55	1 42	18 21	1 31	2 38	3 16	23 12	0 2	15 28	1 21	22 45	0 1	5 55	1 11	2 35	16 21	23 13	23 16	20 58	16 32	6 58	
M19	21 1	23 7	0 14	12 30	1 55	18 0	1 31	2 50	3 17	23 11	0 2	15 30	1 21	22 45	0 1	5 55	1 11	2 35	16 21	23 13	23 17	20 59	16 32	6 58	
T 20	20 50	23 0	1n 8	12 7	2 8	17 38	1 31	3 2	3 18	23 11	0 1	15 31	1 21	22 46	0 1	5 54	1 11	2 35	16 22	23 13	23 17	21 1	16 32	6 57	
W21	20 39	21 16	2 24	11 44	2 21	17 16	1 32	3 13	3 19	23 10	0 1	15 32	1 21	22 46	0 1	5 53	1 11	2 35	16 22	23 13	23 17	21 2	16 32	6 57	
T 22	20 27	18 10	3 30	11 23	2 34	16 54	1 32	3 25	3 20	23 9	0 1	15 34	1 21	22 46	0 1	5 53	1 11	2 35	16 22	23 13	23 17	21 4	16 32	6 57	
F 23	20 15	14 4	4 21	11 4	2 47	16 31	1 32	3 36	3 21	23 8	0 1	15 35	1 21	22 47	0 2	5 52	1 11	2 36	16 23	23 14	23 17	21 5	16 33	6 57	
S 24	20 3	9 21	4 55	10 46	3 0	16 7	1 32	3 47	3 22	23 7	0 1	15 37	1 21	22 47	0 2	5 52	1 11	2 36	16 23	23 14	23 17	21 6	16 33	6 56	
S 25	19 50	4 20	5 12	10 30	3 13	15 44	1 32	3 58	3 23	23 7	0 1	15 38	1 21	22 47	0 2	5 51	1 11	2 36	16 23	23 14	23 18	21 8	16 33	6 56	
M26	19 37	0s43	5 13	10 16	3 25	15 19	1 32	4 9	3 23	23 6	0 1	15 40	1 22	22 48	0 2	5 50	1 11	2 36	16 24	23 14	23 18	21 9	16 33	6 56	
T 27	19 24	5 37	4 59	10 4	3 37	14 55	1 31	4 19	3 24	23 5	0 1	15 41	1 22	22 48	0 2	5 50	1 11	2 37	16 24	23 14	23 18	21 11	16 34	6 56	
W28	19 11	10 10	4 31	9 53	3 49	14 30	1 31	4 30	3 25	23 4	0 1	15 43	1 22	22 48	0 2	5 49	1 11	2 37	16 24	23 14	23 18	21 12	16 34	6 55	
T 29	18 57	14 15	3 52	9 46	4 0	14 5	1 31	4 40	3 26	23 3	0 1	15 44	1 22	22 48	0 2	5 48	1 11	2 37	16 25	23 14	23 18	21 14	16 34	6 55	
F 30	18 42	17 44	3 3	9 40	4 10	13 39	1 30	4 51	3 27	23 2	0 1	15 46	1 22	22 49	0 2	5 47	1 11	2 37	16 25	23 14	23 18	21 15	16 35	6 55	
S 31	18n28	20s29	2n 7	9n37	4s19	13n13	1n30	5n 1	3s28	23n 1	0s 0	15s47	1s22	22n49	0n 2	5n47	1n11	2s38	16s25	23n14	23n19	21s17	16s35	6n54	

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

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1610
geocentric

AUGUST 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 37 30	8♌20'10	26♐17	23°R 8	0♍19	21♈30	11♋18	21°R 3	16♊24	18♍11	3♉56	8♋16	6♋49	18♐ 4	0°R 5	S 1
M 2	20 41 26	9°17'39	8♑11	22♌39	1°33	21°58	11°31	20♒59	16°26	18°12	3°56	8°R16	6°46	18°10	0♑ 3	M 2
T 3	20 45 23	10°15'09	20°13	22° 6	2°46	22°25	11°44	20°55	16°29	18°14	3°56	8°16	6°43	18°17	0° 0	T 3
W 4	20 49 19	11°12'39	2♒26	21°28	3°59	22°53	11°56	20°50	16°31	18°16	3°R56	8°14	6°40	18°24	29♐58	W 4
T 5	20 53 16	12°10'11	14°50	20°47	5°13	23°20	12° 9	20°46	16°33	18°18	3°56	8°10	6°36	18°30	29°56	T 5
F 6	20 57 13	13° 7'44	27°29	20° 2	6°26	23°46	12°21	20°41	16°36	18°20	3°56	8° 5	6°33	18°37	29°53	F 6
S 7	21 1 9	14° 5'18	10♓20	19°15	7°39	24°12	12°34	20°37	16°38	18°22	3°56	7°59	6°30	18°44	29°51	S 7
S 8	21 5 6	15° 2'53	23°26	18°26	8°53	24°38	12°46	20°32	16°40	18°24	3°56	7°53	6°27	18°50	29°49	S 8
M 9	21 9 2	16° 0'30	6♈45	17°36	10° 6	25° 3	12°59	20°28	16°43	18°26	3°56	7°47	6°24	18°57	29°47	M 9
T 10	21 12 59	16°58'08	20°16	16°46	11°19	25°28	13°11	20°23	16°45	18°28	3°55	7°43	6°20	19° 4	29°45	T 10
W11	21 16 55	17°55'48	4♉ 0	15°57	12°32	25°52	13°23	20°19	16°47	18°30	3°55	7°41	6°17	19°10	29°43	W11
T 12	21 20 52	18°53'30	17°55	15°10	13°45	26°15	13°36	20°14	16°49	18°32	3°55	7°D40	6°14	19°17	29°41	T 12
F 13	21 24 48	19°51'13	2♊ 1	14°25	14°59	26°39	13°48	20°10	16°51	18°34	3°55	7°40	6°11	19°24	29°39	F 13
S 14	21 28 45	20°48'58	16°17	13°45	16°12	27° 1	14° 0	20° 5	16°53	18°36	3°55	7°42	6° 8	19°30	29°37	S 14
S 15	21 32 42	21°46'45	0♋41	13° 9	17°25	27°23	14°12	20° 1	16°55	18°38	3°55	7°R43	6° 5	19°37	29°36	S 15
M16	21 36 38	22°44'33	15° 9	12°39	18°38	27°45	14°24	19°56	16°57	18°40	3°54	7°43	6° 1	19°44	29°34	M16
T 17	21 40 35	23°42'23	29°39	12°15	19°51	28° 6	14°36	19°52	16°59	18°42	3°54	7°41	5°58	19°50	29°32	T 17
W18	21 44 31	24°40'14	14♌ 3	11°58	21° 4	28°26	14°48	19°47	17° 1	18°44	3°54	7°37	5°55	19°57	29°31	W18
T 19	21 48 28	25°38'07	28°17	11°48	22°17	28°46	14°59	19°43	17° 2	18°46	3°53	7°31	5°52	20° 3	29°30	T 19
F 20	21 52 24	26°36'02	12♍15	11°D46	23°30	29° 5	15°11	19°38	17° 4	18°48	3°53	7°23	5°49	20°10	29°28	F 20
S 21	21 56 21	27°33'58	25°54	11°52	24°44	29°24	15°23	19°34	17° 6	18°50	3°53	7°15	5°46	20°17	29°27	S 21
S 22	22 0 17	28°31'55	9♎10	12° 5	25°57	29°42	15°34	19°29	17° 7	18°52	3°52	7° 7	5°42	20°23	29°26	S 22
M23	22 4 14	29°29'53	22° 4	12°27	27°10	29°59	15°46	19°25	17° 9	18°54	3°52	7° 0	5°39	20°30	29°25	M23
T 24	22 8 11	0♍27'53	4♏36	12°57	28°23	0♉16	15°57	19°21	17°11	18°56	3°52	6°54	5°36	20°37	29°24	T 24
W25	22 12 7	1°25'55	16°51	13°35	29°36	0°32	16° 9	19°16	17°12	18°58	3°51	6°51	5°33	20°43	29°23	W25
T 26	22 16 4	2°23'58	28°51	14°21	0♎49	0°47	16°20	19°12	17°13	19° 1	3°51	6°D50	5°30	20°50	29°22	T 26
F 27	22 20 0	3°22'02	10♐44	15°14	2° 2	1° 2	16°31	19° 8	17°15	19° 3	3°50	6°50	5°26	20°57	29°22	F 27
S 28	22 23 57	4°20'08	22°32	16°15	3°14	1°16	16°42	19° 3	17°16	19° 5	3°50	6°51	5°23	21° 3	29°21	S 28
S 29	22 27 53	5°18'15	4♑23	17°22	4°27	1°29	16°53	18°59	17°18	19° 7	3°49	6°R52	5°20	21°10	29°21	S 29
M30	22 31 50	6°16'24	16°20	18°36	5°40	1°42	17° 4	18°55	17°19	19° 9	3°49	6°51	5°17	21°17	29°20	M30
T 31	22 35 46	7♍14'34	28♑28	19♌56	6♎53	1♉54	17♋15	18♒51	17♊20	19♍12	3♉48	6♋49	5♋14	21♐23	29♐20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n13	22s21	1n 5	9n37	4s28	12n46	1n29	5n10	3s28	23n 0	0s 0	15s49	1s22	22n49	0n 2	5n46	1n11	2s38	16s26	23n14	23n19	21s18	16s35	6n54
M 2	17 58	23 14	0 0	9 39	4 35	12 20	1 29	5 20	3 29	22 59	0 0	15 50	1 22	22 49	0 2	5 45	1 11	2 38	16 26	23 14	23 19	21 19	16 36	6 54
T 3	17 43	23 2	1s 5	9 44	4 41	11 53	1 28	5 30	3 30	22 58	0 0	15 52	1 23	22 50	0 2	5 45	1 11	2 39	16 26	23 14	23 19	21 21	16 36	6 53
W 4	17 27	21 44	2 8	9 52	4 45	11 25	1 27	5 39	3 31	22 57	0 0	15 53	1 23	22 50	0 2	5 44	1 11	2 39	16 27	23 14	23 19	21 22	16 36	6 53
T 5	17 11	19 23	3 6	10 2	4 48	10 57	1 26	5 48	3 31	22 56	0n 0	15 55	1 23	22 50	0 2	5 43	1 11	2 39	16 27	23 14	23 19	21 24	16 37	6 53
F 6	16 55	16 4	3 57	10 15	4 50	10 29	1 25	5 57	3 32	22 55	0 0	15 56	1 23	22 50	0 2	5 42	1 11	2 39	16 27	23 15	23 20	21 25	16 37	6 52
S 7	16 38	11 57	4 35	10 30	4 49	10 1	1 24	6 6	3 33	22 54	0 0	15 58	1 23	22 51	0 2	5 42	1 11	2 40	16 27	23 15	23 20	21 26	16 37	6 52
S 8	16 21	7 13	5 1	10 47	4 47	9 33	1 23	6 15	3 33	22 53	0 0	15 59	1 23	22 51	0 2	5 41	1 10	2 40	16 28	23 15	23 20	21 28	16 38	6 52
M 9	16 4	2 4	5 10	11 6	4 43	9 4	1 22	6 24	3 34	22 52	0 0	16 1	1 23	22 51	0 2	5 40	1 10	2 40	16 28	23 16	23 20	21 29	16 38	6 51
T 10	15 47	3n15	5 3	11 27	4 36	8 35	1 21	6 32	3 35	22 51	0 1	16 2	1 23	22 51	0 2	5 39	1 10	2 41	16 28	23 16	23 20	21 31	16 39	6 51
W11	15 29	8 30	4 39	11 49	4 28	8 6	1 20	6 40	3 35	22 50	0 1	16 4	1 23	22 52	0 2	5 38	1 10	2 41	16 29	23 16	23 20	21 32	16 39	6 50
T 12	15 12	13 24	3 57	12 12	4 19	7 36	1 18	6 48	3 36	22 48	0 1	16 5	1 23	22 52	0 2	5 38	1 10	2 41	16 29	23 16	23 21	21 33	16 39	6 50
F 13	14 53	17 39	3 1	12 36	4 7	7 7	1 17	6 56	3 36	22 47	0 1	16 7	1 23	22 52	0 2	5 37	1 10	2 42	16 29	23 16	23 21	21 35	16 40	6 50
S 14	14 35	20 54	1 54	12 59	3 54	6 37	1 16	7 4	3 37	22 46	0 1	16 8	1 24	22 52	0 2	5 36	1 10	2 42	16 30	23 16	23 21	21 36	16 40	6 49
S 15	14 17	22 51	0 38	13 23	3 40	6 7	1 14	7 11	3 37	22 45	0 1	16 10	1 24	22 52	0 2	5 35	1 10	2 43	16 30	23 16	23 21	21 38	16 41	6 49
M16	13 58	23 18	0n40	13 46	3 25	5 37	1 12	7 18	3 38	22 44	0 1	16 11	1 24	22 53	0 2	5 34	1 10	2 43	16 30	23 16	23 21	21 39	16 41	6 48
T 17	13 39	22 9	1 56	14 9	3 8	5 7	1 11	7 25	3 38	22 43	0 1	16 13	1 24	22 53	0 2	5 34	1 10	2 43	16 31	23 16	23 21	21 40	16 41	6 48
W18	13 20	19 34	3 3	14 30	2 51	4 36	1 9	7 32	3 39	22 41	0 1	16 14	1 24	22 53	0 2	5 33	1 10	2 44	16 31	23 16	23 21	21 42	16 42	6 48
T 19	13 0	15 49	3 59	14 50	2 34	4 6	1 7	7 39	3 39	22 40	0 2	16 16	1 24	22 53	0 2	5 32	1 10	2 44	16 31	23 17	23 22	21 43	16 42	6 47
F 20	12 40	11 16	4 38	15 7	2 16	3 35	1 5	7 45	3 39	22 39	0 2	16 17	1 24	22 53	0 2	5 31	1 10	2 44	16 31	23 17	23 22	21 44	16 43	6 47
S 21	12 21	6 14	5 1	15 23	1 57	3 4	1 3	7 51	3 40	22 38	0 2	16 19	1 24	22 54	0 2	5 30	1 10	2 45	16 32	23 17	23 22	21 46	16 43	6 46
S 22	12 1	1 4	5 7	15 37	1 39	2 33	1 1	7 57	3 40	22 37	0 2	16 20	1 24	22 54	0 2	5 30	1 10	2 45	16 32	23 18	23 22	21 47	16 44	6 46
M23	11 40	4s 1	4 57	15 48	1 21	2 2	0 59	8 3	3 40	22 35	0 2	16 22	1 24	22 54	0 2	5 29	1 10	2 46	16 32	23 18	23 22	21 48	16 44	6 45
T 24	11 20	8 48	4 32	15 57	1 3	1 31	0 57	8 9	3 40	22 34	0 2	16 23	1 24	22 54	0 2	5 28	1 10	2 46	16 33	23 19	23 22	21 50	16 44	6 45
W25	10 59	13 8	3 56	16 3	0 46	1 0	0 55	8 14	3 41	22 33	0 2	16 24	1 24	22 54	0 2	5 27	1 10	2 46	16 33	23 19	23 22	21 51	16 45	6 44
T 26	10 39	16 52	3 10	16 5	0 30	0 29	0 53	8 19	3 41	22 32	0 2	16 26	1 24	22 54	0 2	5 26	1 10	2 47	16 33	23 19	23 23	21 52	16 45	6 44
F 27	10 18	19 52	2 16	16 5	0 14	0s 2	0 50	8 24	3 41	22 30	0 2	16 27	1 24	22 54	0 2	5 25	1 10	2 47	16 34	23 19	23 23	21 53	16 46	6 43
S 28	9 56	22 1	1 16	16 1	0n 1	0 33	0 48	8 29	3 41	22 29	0 2	16 29	1 24	22 55	0 2	5 24	1 10	2 48	16 34	23 19	23 23	21 55	16 46	6 43
S 29	9 35	23 12	0 13	15 55	0 16	1 5	0 46	8 34	3 41	22 28	0 3	16 30	1 24	22 55	0 2	5 24	1 10	2 48	16 34	23 19	23 23	21 56	16 47	6 42
M30	9 14	23 20	0s51	15 45	0 29	1 36	0 43	8 38	3 41	22 26	0 3	16 31	1 24	22 55	0 2	5 23	1 10	2 49	16 34	23 19	23 23	21 57	16 47	6 42
T 31	8n52	22s21	1s53	15n31	0n41	2s 7	0n41	8n42	3s41	22n25	0n 3	16s33	1s24	22n55	0n 2	5n22	1n10	2s49	16s35	23n19	23n23	21s59	16s48	6n42

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

SEPTEMBER 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 39 43	8♍12'46	10♒51	21♌21	8♎ 6	2♉ 5	17♋26	18°R47	17♊21	19♍14	3°R48	6°R44	5♋11	21♐30	29°R19	W 1
T 2	22 43 39	9°10'59	23°31	22°51	9°19	2°15	17°36	18♒42	17°22	19°16	3♉47	6♋37	5° 7	21°37	29♐19	T 2
F 3	22 47 36	10° 9'14	6♓28	24°25	10°31	2°25	17°47	18°38	17°23	19°18	3°47	6°28	5° 4	21°43	29°19	F 3
S 4	22 51 33	11° 7'31	19°43	26° 4	11°44	2°33	17°58	18°34	17°24	19°20	3°46	6°17	5° 1	21°50	29°D19	S 4
S 5	22 55 29	12° 5'50	3♈13	27°45	12°57	2°41	18° 8	18°30	17°25	19°23	3°45	6° 6	4°58	21°57	29°19	S 5
M 6	22 59 26	13° 4'10	16°55	29°30	14°10	2°48	18°18	18°27	17°26	19°25	3°45	5°56	4°55	22° 3	29°19	M 6
T 7	23 3 22	14° 2'33	0♉48	1♍16	15°22	2°55	18°28	18°23	17°27	19°27	3°44	5°48	4°52	22°10	29°20	T 7
W 8	23 7 19	15° 0'58	14°46	3° 5	16°35	3° 0	18°39	18°19	17°28	19°29	3°43	5°42	4°48	22°16	29°20	W 8
T 9	23 11 15	15°59'24	28°50	4°55	17°48	3° 5	18°49	18°15	17°29	19°31	3°43	5°39	4°45	22°23	29°20	T 9
F 10	23 15 12	16°57'54	12♊55	6°46	19° 0	3° 9	18°58	18°11	17°30	19°34	3°42	5°D38	4°42	22°30	29°21	F 10
S 11	23 19 8	17°56'25	27° 2	8°38	20°13	3°12	19° 8	18° 8	17°30	19°36	3°41	5°38	4°39	22°36	29°21	S 11
S 12	23 23 5	18°54'59	11♋10	10°30	21°25	3°14	19°18	18° 4	17°31	19°38	3°40	5°R38	4°36	22°43	29°22	S 12
M13	23 27 2	19°53'35	25°16	12°23	22°38	3°15	19°28	18° 1	17°31	19°40	3°40	5°37	4°32	22°50	29°23	M13
T 14	23 30 58	20°52'13	9♌20	14°15	23°50	3°R15	19°37	17°57	17°32	19°43	3°39	5°33	4°29	22°56	29°23	T 14
W15	23 34 55	21°50'53	23°19	16° 7	25° 3	3°15	19°46	17°54	17°32	19°45	3°38	5°27	4°26	23° 3	29°24	W15
T 16	23 38 51	22°49'36	7♍10	17°59	26°15	3°13	19°56	17°51	17°33	19°47	3°37	5°17	4°23	23°10	29°25	T 16
F 17	23 42 48	23°48'20	20°48	19°51	27°28	3°11	20° 5	17°47	17°33	19°49	3°37	5° 6	4°20	23°16	29°26	F 17
S 18	23 46 44	24°47'06	4♎11	21°41	28°40	3° 7	20°14	17°44	17°33	19°51	3°36	4°53	4°17	23°23	29°27	S 18
S 19	23 50 41	25°45'54	17°17	23°32	29°53	3° 3	20°23	17°41	17°34	19°54	3°35	4°41	4°13	23°30	29°29	S 19
M20	23 54 37	26°44'45	0♏ 4	25°21	1♏ 5	2°58	20°31	17°38	17°34	19°56	3°34	4°29	4°10	23°36	29°30	M20
T 21	23 58 34	27°43'37	12°32	27° 9	2°17	2°52	20°40	17°35	17°34	19°58	3°33	4°20	4° 7	23°43	29°31	T 21
W22	0 2 31	28°42'31	24°45	28°57	3°29	2°45	20°49	17°32	17°34	20° 0	3°32	4°14	4° 4	23°50	29°33	W22
T 23	0 6 27	29°41'26	6♐44	0♎44	4°42	2°37	20°57	17°30	17°R34	20° 3	3°31	4°10	4° 1	23°56	29°34	T 23
F 24	0 10 24	0♎40'24	18°35	2°30	5°54	2°29	21° 5	17°27	17°34	20° 5	3°30	4° 8	3°57	24° 3	29°36	F 24
S 25	0 14 20	1°39'23	0♑23	4°15	7° 6	2°19	21°13	17°24	17°34	20° 7	3°29	4° 8	3°54	24° 9	29°38	S 25
S 26	0 18 17	2°38'24	12°13	6° 0	8°18	2° 9	21°22	17°22	17°34	20° 9	3°29	4° 8	3°51	24°16	29°40	S 26
M27	0 22 13	3°37'27	24°11	7°43	9°30	1°58	21°29	17°19	17°34	20°11	3°28	4° 7	3°48	24°23	29°42	M27
T 28	0 26 10	4°36'32	6♒22	9°26	10°42	1°46	21°37	17°17	17°34	20°14	3°27	4° 4	3°45	24°29	29°44	T 28
W29	0 30 6	5°35'39	18°51	11° 7	11°54	1°34	21°45	17°15	17°33	20°16	3°26	3°59	3°42	24°36	29°46	W29
T 30	0 34 3	6♎34'47	1♓40	12♎48	13♏ 6	1♉20	21♋52	17♒13	17♊33	20♍18	3♉25	3♋51	3♋38	24♐43	29♐48	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	8n30	20s17	2s51	15n15	0n53	2s38	0n38	8n46	3s41	22n24	0n 3	16s34	1s24	22n55	0n 2	5n21	1n10	2s49	16s35	23n19	23n23	22s 0	16s48	6n41	
T 2	8 9	17 12	3 42	14 55	1 3	3 9	0 36	8 50	3 41	22 23	0 3	16 35	1 24	22 55	0 2	5 20	1 10	2 50	16 35	23 19	23 23	22 1	16 49	6 41	
F 3	7 47	13 13	4 23	14 32	1 12	3 40	0 33	8 53	3 40	22 21	0 3	16 37	1 25	22 55	0 2	5 19	1 10	2 50	16 35	23 20	23 24	22 3	16 49	6 40	
S 4	7 25	8 32	4 50	14 7	1 20	4 11	0 30	8 56	3 40	22 20	0 3	16 38	1 25	22 55	0 2	5 18	1 10	2 51	16 36	23 20	23 24	22 4	16 50	6 40	
S 5	7 2	3 21	5 2	13 39	1 27	4 42	0 28	8 59	3 40	22 19	0 3	16 39	1 25	22 56	0 2	5 18	1 10	2 51	16 36	23 21	23 24	22 5	16 50	6 39	
M 6	6 40	2n 5	4 57	13 8	1 33	5 13	0 25	9 2	3 39	22 18	0 3	16 40	1 25	22 56	0 2	5 17	1 10	2 52	16 36	23 21	23 24	22 6	16 51	6 39	
T 7	6 17	7 29	4 35	12 34	1 38	5 44	0 22	9 5	3 39	22 16	0 4	16 42	1 25	22 56	0 2	5 16	1 10	2 52	16 36	23 22	23 24	22 8	16 51	6 38	
W 8	5 55	12 33	3 56	11 59	1 42	6 14	0 19	9 7	3 38	22 15	0 4	16 43	1 25	22 56	0 2	5 15	1 10	2 52	16 37	23 22	23 24	22 9	16 52	6 38	
T 9	5 32	16 58	3 2	11 22	1 45	6 45	0 16	9 9	3 38	22 14	0 4	16 44	1 25	22 56	0 2	5 14	1 10	2 53	16 37	23 22	23 24	22 10	16 52	6 37	
F 10	5 9	20 27	1 58	10 43	1 48	7 15	0 13	9 11	3 37	22 12	0 4	16 45	1 25	22 56	0 2	5 13	1 10	2 53	16 37	23 22	23 24	22 11	16 53	6 37	
S 11	4 47	22 42	0 46	10 2	1 49	7 46	0 10	9 13	3 37	22 11	0 4	16 46	1 25	22 56	0 2	5 12	1 10	2 54	16 37	23 22	23 24	22 13	16 53	6 36	
S 12	4 24	23 30	0n29	9 20	1 50	8 16	0 7	9 14	3 36	22 10	0 4	16 47	1 25	22 56	0 2	5 11	1 10	2 54	16 38	23 22	23 25	22 14	16 54	6 36	
M13	4 1	22 48	1 42	8 37	1 49	8 46	0 4	9 15	3 35	22 9	0 4	16 48	1 25	22 56	0 2	5 11	1 10	2 55	16 38	23 22	23 25	22 15	16 54	6 35	
T 14	3 38	20 40	2 49	7 53	1 49	9 15	0 1	9 16	3 34	22 7	0 4	16 49	1 25	22 56	0 2	5 10	1 10	2 55	16 38	23 22	23 25	22 16	16 55	6 35	
W15	3 14	17 18	3 44	7 8	1 47	9 45	0s 2	9 17	3 33	22 6	0 4	16 50	1 25	22 56	0 2	5 9	1 10	2 56	16 38	23 23	23 25	22 17	16 55	6 34	
T 16	2 51	13 1	4 26	6 22	1 45	10 14	0 5	9 17	3 32	22 5	0 5	16 51	1 25	22 56	0 2	5 8	1 10	2 56	16 39	23 23	23 25	22 19	16 56	6 34	
F 17	2 28	8 7	4 52	5 36	1 42	10 43	0 8	9 17	3 31	22 4	0 5	16 52	1 25	22 56	0 2	5 7	1 10	2 57	16 39	23 23	23 25	22 20	16 56	6 33	
S 18	2 5	2 56	5 1	4 49	1 39	11 12	0 12	9 17	3 30	22 3	0 5	16 53	1 25	22 56	0 2	5 6	1 10	2 57	16 39	23 24	23 25	22 21	16 57	6 33	
S 19	1 41	2s17	4 54	4 3	1 36	11 41	0 15	9 17	3 29	22 1	0 5	16 54	1 24	22 57	0 2	5 5	1 10	2 57	16 39	23 24	23 25	22 22	16 57	6 32	
M20	1 18	7 16	4 32	3 16	1 32	12 9	0 18	9 17	3 27	22 0	0 5	16 55	1 24	22 57	0 2	5 5	1 10	2 58	16 39	23 25	23 25	22 23	16 58	6 32	
T 21	0 54	11 52	3 57	2 28	1 28	12 37	0 21	9 16	3 26	21 59	0 5	16 56	1 24	22 57	0 2	5 4	1 11	2 58	16 40	23 25	23 26	22 25	16 58	6 31	
W22	0 31	15 53	3 12	1 41	1 23	13 5	0 24	9 15	3 24	21 58	0 5	16 57	1 24	22 57	0 2	5 3	1 11	2 59	16 40	23 25	23 26	22 26	16 59	6 31	
T 23	0 7	19 11	2 20	0 54	1 18	13 33	0 28	9 14	3 23	21 57	0 5	16 58	1 24	22 57	0 2	5 2	1 11	2 59	16 40	23 25	23 26	22 27	16 59	6 30	
F 24	0s16	21 39	1 21	0 7	1 13	14 0	0 31	9 13	3 21	21 55	0 6	16 59	1 24	22 57	0 2	5 1	1 11	3 0	16 40	23 25	23 26	22 28	17 0	6 30	
S 25	0 40	23 9	0 20	0s40	1 7	14 27	0 34	9 11	3 19	21 54	0 6	16 59	1 24	22 57	0 2	5 0	1 11	3 0	16 40	23 26	23 26	22 29	17 0	6 29	
S 26	1 3	23 38	0s43	1 27	1 1	14 54	0 38	9 10	3 17	21 53	0 6	17 0	1 24	22 57	0 2	4 59	1 11	3 1	16 40	23 26	23 26	22 30	17 1	6 29	
M27	1 27	23 2	1 44	2 13	0 56	15 20	0 41	9 8	3 15	21 52	0 6	17 1	1 24	22 57	0 2	4 59	1 11	3 1	16 41	23 26	23 26	22 32	17 1	6 28	
T 28	1 50	21 20	2 42	2 59	0 49	15 46	0 44	9 6	3 13	21 51	0 6	17 1	1 24	22 57	0 2	4 58	1 11	3 2	16 41	23 26	23 26	22 33	17 2	6 28	
W29	2 14	18 35	3 33	3 45	0 43	16 12	0 48	9 3	3 11	21 50	0 6	17 2	1 24	22 57	0 2	4 57	1 11	3 2	16 41	23 26	23 26	22 34	17 2	6 27	
T 30	2s37	14s52	4s15	4s30	0n37	16s37	0s51	9n 1	3s 9	21n49	0n 6	17s 3	1s24	22n57	0n 2	4n56	1n11	3s 2	16s41	23n26	23n26	22s35	17s 3	6n27	

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

OCTOBER 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 38 0	7♎33'57	14♓52	14♎28	14♏18	1°R 6	22♋ 0	17°R11	17°R33	20♍20	3°R24	3°R41	3♋35	24♐49	29♐50	F 1
S 2	0 41 56	8°33'09	28°26	16° 8	15°30	0♉52	22° 7	17♒ 9	17♊32	20°22	3♉23	3♋29	3°32	24°56	29°52	S 2
S 3	0 45 53	9°32'23	12♈19	17°46	16°42	0°36	22°14	17° 7	17°32	20°24	3°22	3°16	3°29	25° 3	29°55	S 3
M 4	0 49 49	10°31'40	26°28	19°24	17°54	0°20	22°21	17° 5	17°31	20°26	3°21	3° 5	3°26	25° 9	29°57	M 4
T 5	0 53 46	11°30'58	10♉47	21° 1	19° 6	0° 4	22°28	17° 3	17°31	20°29	3°20	2°55	3°23	25°16	29°59	T 5
W 6	0 57 42	12°30'19	25°10	22°37	20°18	29♈47	22°34	17° 2	17°30	20°31	3°19	2°48	3°19	25°23	0♑ 2	W 6
T 7	1 1 39	13°29'42	9♊33	24°12	21°29	29°29	22°41	17° 0	17°29	20°33	3°18	2°44	3°16	25°29	0° 5	T 7
F 8	1 5 35	14°29'07	23°51	25°47	22°41	29°11	22°47	16°59	17°29	20°35	3°16	2°43	3°13	25°36	0° 8	F 8
S 9	1 9 32	15°28'35	8♋ 1	27°21	23°53	28°52	22°53	16°57	17°28	20°37	3°15	2°42	3°10	25°42	0°10	S 9
S 10	1 13 28	16°28'05	22° 3	28°55	25° 4	28°33	22°59	16°56	17°27	20°39	3°14	2°42	3° 7	25°49	0°13	S 10
M11	1 17 25	17°27'37	5♌57	0♏28	26°16	28°14	23° 5	16°55	17°26	20°41	3°13	2°41	3° 3	25°56	0°16	M11
T 12	1 21 22	18°27'12	19°42	2° 0	27°27	27°54	23°11	16°54	17°25	20°43	3°12	2°38	3° 0	26° 2	0°19	T 12
W13	1 25 18	19°26'49	3♍17	3°31	28°39	27°35	23°16	16°53	17°24	20°45	3°11	2°32	2°57	26° 9	0°22	W13
T 14	1 29 15	20°26'28	16°43	5° 2	29°50	27°15	23°21	16°52	17°23	20°47	3°10	2°23	2°54	26°16	0°26	T 14
F 15	1 33 11	21°26'09	29°57	6°32	1♐ 1	26°54	23°27	16°52	17°22	20°49	3° 9	2°12	2°51	26°22	0°29	F 15
S 16	1 37 8	22°25'53	12♎59	8° 2	2°13	26°34	23°32	16°51	17°21	20°51	3° 8	1°59	2°48	26°29	0°32	S 16
S 17	1 41 4	23°25'38	25°47	9°31	3°24	26°14	23°37	16°50	17°20	20°53	3° 7	1°47	2°44	26°36	0°36	S 17
M18	1 45 1	24°25'26	8♏21	10°59	4°35	25°53	23°41	16°50	17°19	20°55	3° 6	1°36	2°41	26°42	0°39	M18
T 19	1 48 57	25°25'15	20°40	12°27	5°46	25°33	23°46	16°50	17°17	20°57	3° 4	1°27	2°38	26°49	0°43	T 19
W20	1 52 54	26°25'06	2♐47	13°54	6°57	25°13	23°50	16°49	17°16	20°59	3° 3	1°20	2°35	26°56	0°46	W20
T 21	1 56 51	27°25'00	14°43	15°21	8° 8	24°53	23°54	16°49	17°15	21° 1	3° 2	1°16	2°32	27° 2	0°50	T 21
F 22	2 0 47	28°24'55	26°32	16°46	9°19	24°33	23°58	16°D49	17°13	21° 2	3° 1	1°D15	2°28	27° 9	0°54	F 22
S 23	2 4 44	29°24'51	8♑18	18°11	10°30	24°14	24° 2	16°49	17°12	21° 4	3° 0	1°15	2°25	27°16	0°57	S 23
S 24	2 8 40	0♏24'50	20° 7	19°35	11°41	23°55	24° 6	16°50	17°10	21° 6	2°59	1°16	2°22	27°22	1° 1	S 24
M25	2 12 37	1°24'50	2♒ 3	20°59	12°52	23°36	24° 9	16°50	17° 9	21° 8	2°58	1°R16	2°19	27°29	1° 5	M25
T 26	2 16 33	2°24'52	14°13	22°21	14° 3	23°18	24°12	16°50	17° 7	21°10	2°57	1°15	2°16	27°35	1° 9	T 26
W27	2 20 30	3°24'55	26°40	23°43	15°13	23° 0	24°15	16°51	17° 6	21°12	2°55	1°12	2°13	27°42	1°13	W27
T 28	2 24 26	4°25'00	9♓31	25° 3	16°24	22°42	24°18	16°52	17° 4	21°13	2°54	1° 7	2° 9	27°49	1°17	T 28
F 29	2 28 23	5°25'06	22°47	26°23	17°34	22°25	24°21	16°52	17° 2	21°15	2°53	1° 0	2° 6	27°55	1°22	F 29
S 30	2 32 20	6°25'14	6♈29	27°41	18°45	22° 9	24°23	16°53	17° 1	21°17	2°52	0°52	2° 3	28° 2	1°26	S 30
S 31	2 36 16	7♏25'24	20♈37	28♏58	19♐55	21♈53	24♋26	16♒54	16♊59	21♍18	2♉51	0♋43	2♋ 0	28♐ 9	1♑30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	3s 1	10s21	4s45	5s15	0n30	17s 2	0s54	8n58	3s 6	21n48	0n 6	17s 3	1s24	22n57	0n 2	4n55	1n11	3s 3	16s41	23n26	23n26	22s36	17s 3	6n26
S 2	3 24	5 12	4 59	6 0	0 24	17 26	0 57	8 55	3 4	21 47	0 7	17 4	1 24	22 57	0 2	4 54	1 11	3 3	16 41	23 27	23 27	22 37	17 4	6 26
S 3	3 47	0n19	4 57	6 44	0 17	17 50	1 1	8 52	3 1	21 46	0 7	17 4	1 24	22 57	0 2	4 54	1 11	3 4	16 41	23 27	23 27	22 38	17 4	6 25
M 4	4 11	5 56	4 36	7 27	0 10	18 14	1 4	8 49	2 59	21 45	0 7	17 5	1 24	22 56	0 2	4 53	1 11	3 4	16 42	23 27	23 27	22 40	17 5	6 25
T 5	4 34	11 19	3 58	8 10	0 3	18 37	1 7	8 46	2 56	21 44	0 7	17 5	1 24	22 56	0 2	4 52	1 11	3 5	16 42	23 27	23 27	22 41	17 5	6 24
W 6	4 57	16 7	3 5	8 52	0s 4	18 59	1 11	8 43	2 53	21 43	0 7	17 6	1 24	22 56	0 2	4 51	1 11	3 5	16 42	23 28	23 27	22 42	17 6	6 24
T 7	5 20	19 58	1 59	9 34	0 11	19 22	1 14	8 39	2 50	21 42	0 7	17 6	1 24	22 56	0 2	4 50	1 11	3 6	16 42	23 28	23 27	22 43	17 6	6 23
F 8	5 43	22 34	0 47	10 16	0 18	19 43	1 17	8 36	2 47	21 41	0 7	17 7	1 24	22 56	0 2	4 50	1 11	3 6	16 42	23 28	23 27	22 44	17 6	6 23
S 9	6 6	23 43	0n28	10 56	0 25	20 5	1 20	8 32	2 44	21 40	0 8	17 7	1 24	22 56	0 2	4 49	1 11	3 6	16 42	23 28	23 27	22 45	17 7	6 23
S 10	6 29	23 20	1 41	11 36	0 31	20 25	1 23	8 28	2 41	21 39	0 8	17 7	1 24	22 56	0 2	4 48	1 11	3 7	16 42	23 28	23 27	22 46	17 7	6 22
M11	6 52	21 31	2 47	12 15	0 38	20 46	1 27	8 25	2 38	21 38	0 8	17 8	1 24	22 56	0 2	4 47	1 11	3 7	16 42	23 28	23 27	22 47	17 8	6 22
T 12	7 15	18 27	3 42	12 54	0 45	21 5	1 30	8 21	2 35	21 38	0 8	17 8	1 24	22 56	0 2	4 46	1 11	3 8	16 42	23 28	23 27	22 48	17 8	6 21
W13	7 38	14 25	4 24	13 32	0 52	21 24	1 33	8 17	2 31	21 37	0 8	17 8	1 23	22 56	0 2	4 46	1 11	3 8	16 42	23 28	23 27	22 49	17 9	6 21
T 14	8 0	9 43	4 51	14 9	0 59	21 43	1 36	8 13	2 28	21 36	0 8	17 8	1 23	22 56	0 2	4 45	1 11	3 8	16 42	23 28	23 27	22 50	17 9	6 20
F 15	8 23	4 38	5 2	14 45	1 5	22 1	1 39	8 9	2 24	21 35	0 8	17 8	1 23	22 56	0 2	4 44	1 11	3 9	16 42	23 28	23 28	22 52	17 9	6 20
S 16	8 45	0s35	4 56	15 21	1 12	22 19	1 42	8 5	2 21	21 34	0 9	17 9	1 23	22 56	0 2	4 43	1 11	3 9	16 43	23 28	23 28	22 53	17 10	6 19
S 17	9 7	5 42	4 36	15 56	1 19	22 35	1 45	8 1	2 17	21 34	0 9	17 9	1 23	22 56	0 2	4 43	1 11	3 10	16 43	23 29	23 28	22 54	17 10	6 19
M18	9 29	10 29	4 3	16 30	1 25	22 52	1 48	7 57	2 13	21 33	0 9	17 9	1 23	22 55	0 2	4 42	1 11	3 10	16 43	23 29	23 28	22 55	17 11	6 19
T 19	9 51	14 46	3 19	17 3	1 31	23 8	1 50	7 53	2 10	21 33	0 9	17 9	1 23	22 55	0 2	4 41	1 11	3 10	16 43	23 29	23 28	22 56	17 11	6 18
W20	10 13	18 22	2 26	17 36	1 37	23 23	1 53	7 49	2 6	21 32	0 9	17 9	1 23	22 55	0 2	4 40	1 11	3 11	16 43	23 29	23 28	22 57	17 11	6 18
T 21	10 35	21 10	1 27	18 7	1 43	23 37	1 56	7 46	2 2	21 31	0 9	17 9	1 23	22 55	0 3	4 40	1 11	3 11	16 43	23 29	23 28	22 58	17 12	6 17
F 22	10 56	23 1	0 25	18 37	1 49	23 51	1 59	7 42	1 58	21 31	0 9	17 9	1 23	22 55	0 3	4 39	1 11	3 12	16 43	23 29	23 28	22 59	17 12	6 17
S 23	11 17	23 51	0s38	19 7	1 55	24 4	2 1	7 38	1 55	21 30	0 10	17 9	1 23	22 55	0 3	4 38	1 11	3 12	16 43	23 29	23 28	23 0	17 13	6 17
S 24	11 38	23 37	1 39	19 36	2 0	24 17	2 4	7 35	1 51	21 30	0 10	17 8	1 23	22 55	0 3	4 38	1 11	3 12	16 43	23 29	23 28	23 1	17 13	6 16
M25	11 59	22 18	2 37	20 3	2 5	24 29	2 6	7 32	1 47	21 29	0 10	17 8	1 23	22 55	0 3	4 37	1 11	3 13	16 43	23 29	23 28	23 2	17 13	6 16
T 26	12 20	19 56	3 29	20 30	2 10	24 40	2 9	7 28	1 43	21 29	0 10	17 8	1 23	22 54	0 3	4 36	1 11	3 13	16 43	23 29	23 28	23 3	17 14	6 15
W27	12 41	16 36	4 13	20 55	2 15	24 51	2 11	7 25	1 39	21 28	0 10	17 8	1 23	22 54	0 3	4 36	1 11	3 13	16 43	23 29	23 28	23 4	17 14	6 15
T 28	13 1	12 25	4 45	21 19	2 19	25 1	2 14	7 23	1 35	21 28	0 10	17 8	1 22	22 54	0 3	4 35	1 11	3 14	16 43	23 29	23 28	23 5	17 14	6 15
F 29	13 21	7 30	5 3	21 43	2 23	25 10	2 16	7 20	1 31	21 28	0 10	17 7	1 22	22 54	0 3	4 34	1 11	3 14	16 43	23 29	23 28	23 6	17 15	6 14
S 30	13 41	2 5	5 5	22 5	2 27	25 18	2 18	7 18	1 27	21 28	0 11	17 7	1 22	22 54	0 3	4 34	1 12	3 14	16 43	23 29	23 28	23 7	17 15	6 14
S 31	14s 1	3n37	4s48	22s25	2s31	25s26	2s20	7n15	1s23	21n27	0n11	17s 7	1s22	22n54	0n 3	4n33	1n12	3s15	16s43	23n29	23n28	23s 8	17s15	6n14

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

NOVEMBER 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 40 13	8♏25'35	5♉ 6	0♐14	21♐ 5	21°R38	24♋28	16♒55	16°R57	21♍20	2°R50	0°R34	1♋57	28♐15	1♑34	M 1
T 2	2 44 9	9°25'48	19°48	1°28	22°15	21♈24	24°30	16°56	16♊55	21°22	2♉49	0♋27	1°54	28°22	1°39	T 2
W 3	2 48 6	10°26'04	4♊38	2°40	23°25	21°10	24°32	16°57	16°53	21°23	2°48	0°22	1°50	28°29	1°43	W 3
T 4	2 52 2	11°26'21	19°26	3°50	24°35	20°57	24°33	16°59	16°51	21°25	2°46	0°20	1°47	28°35	1°48	T 4
F 5	2 55 59	12°26'40	4♋ 6	4°58	25°45	20°45	24°35	17° 0	16°49	21°26	2°45	0°D19	1°44	28°42	1°52	F 5
S 6	2 59 55	13°27'01	18°32	6° 4	26°55	20°33	24°36	17° 2	16°47	21°28	2°44	0°20	1°41	28°49	1°57	S 6
S 7	3 3 52	14°27'24	2♌43	7° 6	28° 5	20°22	24°37	17° 3	16°45	21°30	2°43	0°21	1°38	28°55	2° 2	S 7
M 8	3 7 49	15°27'49	16°37	8° 6	29°14	20°12	24°38	17° 5	16°43	21°31	2°42	0°R22	1°34	29° 2	2° 6	M 8
T 9	3 11 45	16°28'16	0♍15	9° 2	0♑24	20° 3	24°38	17° 7	16°41	21°32	2°41	0°21	1°31	29° 8	2°11	T 9
W10	3 15 42	17°28'45	13°36	9°54	1°33	19°54	24°38	17° 9	16°39	21°34	2°40	0°18	1°28	29°15	2°16	W10
T 11	3 19 38	18°29'15	26°43	10°42	2°42	19°46	24°R39	17°11	16°37	21°35	2°39	0°13	1°25	29°22	2°21	T 11
F 12	3 23 35	19°29'47	9♎36	11°24	3°52	19°39	24°39	17°13	16°35	21°37	2°38	0° 7	1°22	29°28	2°26	F 12
S 13	3 27 31	20°30'22	22°17	12° 1	5° 1	19°33	24°38	17°15	16°33	21°38	2°37	29♊59	1°19	29°35	2°31	S 13
S 14	3 31 28	21°30'57	4♏45	12°31	6°10	19°28	24°38	17°18	16°30	21°39	2°36	29°52	1°15	29°42	2°36	S 14
M15	3 35 24	22°31'35	17° 3	12°54	7°18	19°23	24°37	17°20	16°28	21°41	2°34	29°45	1°12	29°48	2°41	M15
T 16	3 39 21	23°32'14	29°11	13°10	8°27	19°20	24°37	17°22	16°26	21°42	2°33	29°40	1° 9	29°55	2°46	T 16
W17	3 43 18	24°32'54	11♐ 9	13°R16	9°36	19°17	24°36	17°25	16°24	21°43	2°32	29°36	1° 6	0♑ 2	2°51	W17
T 18	3 47 14	25°33'36	23° 1	13°13	10°44	19°15	24°34	17°28	16°21	21°44	2°31	29°35	1° 3	0° 8	2°56	T 18
F 19	3 51 11	26°34'19	4♑48	13° 1	11°52	19°14	24°33	17°31	16°19	21°46	2°30	29°D34	1° 0	0°15	3° 2	F 19
S 20	3 55 7	27°35'03	16°34	12°37	13° 0	19°D13	24°31	17°34	16°17	21°47	2°29	29°36	0°56	0°22	3° 7	S 20
S 21	3 59 4	28°35'49	28°22	12° 3	14° 8	19°14	24°29	17°37	16°14	21°48	2°28	29°37	0°53	0°28	3°12	S 21
M22	4 3 0	29°36'35	10♒17	11°18	15°16	19°15	24°27	17°40	16°12	21°49	2°27	29°39	0°50	0°35	3°18	M22
T 23	4 6 57	0♐37'23	22°24	10°23	16°24	19°17	24°25	17°43	16° 9	21°50	2°26	29°40	0°47	0°42	3°23	T 23
W24	4 10 53	1°38'11	4♓48	9°18	17°31	19°20	24°23	17°46	16° 7	21°51	2°25	29°R41	0°44	0°48	3°28	W24
T 25	4 14 50	2°39'01	17°33	8° 5	18°38	19°23	24°20	17°50	16° 4	21°52	2°24	29°40	0°40	0°55	3°34	T 25
F 26	4 18 47	3°39'51	0♈44	6°46	19°46	19°28	24°17	17°53	16° 2	21°53	2°23	29°38	0°37	1° 1	3°39	F 26
S 27	4 22 43	4°40'42	14°22	5°24	20°52	19°33	24°14	17°57	15°59	21°54	2°22	29°34	0°34	1° 8	3°45	S 27
S 28	4 26 40	5°41'34	28°28	4° 2	21°59	19°38	24°11	18° 0	15°57	21°55	2°22	29°31	0°31	1°15	3°50	S 28
M29	4 30 36	6°42'27	13♉ 1	2°41	23° 6	19°45	24° 8	18° 4	15°54	21°56	2°21	29°27	0°28	1°21	3°56	M29
T 30	4 34 33	7♐43'21	27♉54	1♐25	24♑12	19♈52	24♋ 4	18♒ 8	15♊52	21♍57	2♉20	29♊25	0♋25	1♑28	4♑ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s21	9n16	4s13	22s45	2s34	25s33	2s22	7n13	1s20	21n27	0n11	17s 6	1s22	22n54	0n 3	4n32	1n12	3s15	16s42	23n29	23n29	23s 9	17s16	6n13
T 2	14 40	14 30	3 20	23 3	2 36	25 40	2 24	7 11	1 16	21 27	0 11	17 6	1 22	22 53	0 3	4 32	1 12	3 15	16 42	23 29	23 29	23 10	17 16	6 13
W 3	14 59	18 55	2 14	23 20	2 39	25 45	2 26	7 10	1 12	21 27	0 11	17 5	1 22	22 53	0 3	4 31	1 12	3 16	16 42	23 29	23 29	23 11	17 16	6 13
T 4	15 18	22 6	0 59	23 35	2 40	25 50	2 28	7 8	1 8	21 27	0 11	17 5	1 22	22 53	0 3	4 31	1 12	3 16	16 42	23 29	23 29	23 12	17 16	6 12
F 5	15 36	23 46	0n20	23 49	2 42	25 55	2 30	7 7	1 4	21 26	0 12	17 4	1 22	22 53	0 3	4 30	1 12	3 16	16 42	23 29	23 29	23 13	17 17	6 12
S 6	15 55	23 48	1 37	24 2	2 42	25 58	2 31	7 6	1 1	21 26	0 12	17 4	1 22	22 53	0 3	4 29	1 12	3 17	16 42	23 29	23 29	23 14	17 17	6 12
S 7	16 13	22 17	2 46	24 12	2 42	26 1	2 33	7 6	0 57	21 26	0 12	17 3	1 22	22 52	0 3	4 29	1 12	3 17	16 42	23 29	23 29	23 15	17 17	6 11
M 8	16 30	19 27	3 44	24 22	2 41	26 3	2 34	7 5	0 53	21 26	0 12	17 3	1 22	22 52	0 3	4 28	1 12	3 17	16 42	23 29	23 29	23 15	17 17	6 11
T 9	16 48	15 35	4 28	24 29	2 40	26 5	2 35	7 5	0 50	21 26	0 12	17 2	1 22	22 52	0 3	4 28	1 12	3 17	16 42	23 29	23 29	23 16	17 18	6 11
W10	17 5	11 1	4 57	24 35	2 38	26 6	2 37	7 5	0 46	21 27	0 12	17 1	1 22	22 52	0 3	4 27	1 12	3 18	16 42	23 29	23 29	23 17	17 18	6 10
T 11	17 22	6 2	5 9	24 38	2 34	26 6	2 38	7 5	0 43	21 27	0 12	17 1	1 21	22 52	0 3	4 27	1 12	3 18	16 42	23 29	23 29	23 18	17 18	6 10
F 12	17 39	0 52	5 5	24 40	2 30	26 5	2 39	7 6	0 39	21 27	0 13	17 0	1 21	22 51	0 3	4 26	1 12	3 18	16 42	23 29	23 29	23 19	17 18	6 10
S 13	17 55	4s15	4 47	24 40	2 25	26 3	2 40	7 7	0 36	21 27	0 13	16 59	1 21	22 51	0 3	4 26	1 12	3 18	16 41	23 29	23 29	23 20	17 18	6 10
S 14	18 11	9 8	4 15	24 38	2 18	26 1	2 41	7 8	0 33	21 27	0 13	16 58	1 21	22 51	0 3	4 25	1 12	3 19	16 41	23 29	23 29	23 21	17 19	6 9
M15	18 26	13 35	3 31	24 33	2 11	25 58	2 41	7 9	0 30	21 28	0 13	16 58	1 21	22 51	0 3	4 25	1 12	3 19	16 41	23 29	23 29	23 22	17 19	6 9
T 16	18 42	17 26	2 38	24 26	2 2	25 55	2 42	7 11	0 26	21 28	0 13	16 57	1 21	22 51	0 3	4 24	1 12	3 19	16 41	23 29	23 29	23 23	17 19	6 9
W17	18 57	20 32	1 39	24 17	1 51	25 51	2 42	7 12	0 23	21 28	0 13	16 56	1 21	22 50	0 3	4 24	1 12	3 19	16 41	23 29	23 29	23 24	17 19	6 9
T 18	19 11	22 42	0 36	24 4	1 39	25 46	2 43	7 14	0 20	21 29	0 14	16 55	1 21	22 50	0 3	4 23	1 12	3 19	16 41	23 29	23 29	23 24	17 19	6 8
F 19	19 26	23 53	0s29	23 49	1 26	25 40	2 43	7 17	0 17	21 29	0 14	16 54	1 21	22 50	0 3	4 23	1 12	3 20	16 41	23 29	23 29	23 25	17 19	6 8
S 20	19 40	23 59	1 32	23 32	1 11	25 34	2 43	7 19	0 14	21 29	0 14	16 53	1 21	22 50	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 26	17 19	6 8
S 21	19 53	23 0	2 32	23 11	0 54	25 27	2 43	7 22	0 11	21 30	0 14	16 52	1 21	22 49	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 27	17 20	6 8
M22	20 7	20 59	3 25	22 47	0 36	25 19	2 43	7 25	0 8	21 30	0 14	16 51	1 21	22 49	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 28	17 20	6 7
T 23	20 19	18 1	4 11	22 20	0 17	25 10	2 43	7 29	0 6	21 31	0 14	16 50	1 21	22 49	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 29	17 20	6 7
W24	20 32	14 12	4 46	21 51	0n 3	25 1	2 43	7 32	0 3	21 32	0 15	16 49	1 21	22 49	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 30	17 20	6 7
T 25	20 44	9 39	5 8	21 19	0 23	24 52	2 42	7 36	0 0	21 32	0 15	16 48	1 21	22 48	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 30	17 20	6 7
F 26	20 56	4 31	5 15	20 46	0 43	24 42	2 41	7 40	0n 2	21 33	0 15	16 47	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 31	17 20	6 7
S 27	21 7	1n 0	5 4	20 12	1 4	24 31	2 41	7 44	0 5	21 34	0 15	16 46	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 32	17 20	6 6
S 28	21 18	6 39	4 36	19 39	1 23	24 19	2 40	7 49	0 8	21 34	0 15	16 44	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 33	17 20	6 6
M29	21 29	12 9	3 49	19 6	1 40	24 7	2 39	7 54	0 10	21 35	0 15	16 43	1 20	22 47	0 3	4 19	1 13	3 21	16 39	23 29	23 29	23 34	17 20	6 6
T 30	21s39	17n 3	2s45	18s35	1n56	23s54	2s37	7n59	0n12	21n36	0n16	16s42	1s20	22n47	0n 3	4n19	1n13	3s21	16s38	23n29	23n29	23s35	17s20	6n 6

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

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ASTRODIENST EPHEMERIS for the year 1610
geocentric

DECEMBER 1610 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 38 29	8♐44'16	12♊59	0°R16	25♉18	20♈ 0	24°R 1	18♒12	15°R49	21♍57	2°R19	29°R23	0♋21	1♉35	4♉ 7	W 1
T 2	4 42 26	9°45'12	28° 8	29♏17	26°24	20° 9	23♋57	18°16	15♊47	21°58	2♉18	29°D22	0°18	1°41	4°13	T 2
F 3	4 46 22	10°46'09	13♋12	28°27	27°29	20°18	23°53	18°20	15°44	21°59	2°17	29♊23	0°15	1°48	4°19	F 3
S 4	4 50 19	11°47'07	28° 1	27°49	28°35	20°28	23°48	18°24	15°42	22° 0	2°16	29°24	0°12	1°55	4°24	S 4
S 5	4 54 16	12°48'07	12♌31	27°22	29°40	20°38	23°44	18°28	15°39	22° 0	2°15	29°25	0° 9	2° 1	4°30	S 5
M 6	4 58 12	13°49'07	26°37	27° 6	0♒45	20°50	23°39	18°32	15°37	22° 1	2°15	29°26	0° 6	2° 8	4°36	M 6
T 7	5 2 9	14°50'08	10♍20	27°D 1	1°49	21° 1	23°35	18°37	15°34	22° 2	2°14	29°R27	0° 2	2°15	4°42	T 7
W 8	5 6 5	15°51'11	23°40	27° 6	2°53	21°14	23°30	18°41	15°32	22° 2	2°13	29°27	29♊59	2°21	4°47	W 8
T 9	5 10 2	16°52'14	6♎39	27°21	3°57	21°27	23°24	18°46	15°29	22° 3	2°12	29°26	29°56	2°28	4°53	T 9
F 10	5 13 58	17°53'19	19°20	27°44	5° 1	21°40	23°19	18°50	15°26	22° 3	2°12	29°25	29°53	2°34	4°59	F 10
S 11	5 17 55	18°54'24	1♏46	28°15	6° 4	21°54	23°14	18°55	15°24	22° 4	2°11	29°23	29°50	2°41	5° 5	S 11
S 12	5 21 51	19°55'31	14° 0	28°52	7° 7	22° 9	23° 8	19° 0	15°21	22° 4	2°10	29°22	29°46	2°48	5°11	S 12
M13	5 25 48	20°56'38	26° 3	29°36	8°10	22°24	23° 2	19° 5	15°19	22° 5	2° 9	29°20	29°43	2°54	5°17	M13
T 14	5 29 45	21°57'46	8♐ 0	0♐26	9°13	22°40	22°56	19°10	15°16	22° 5	2° 9	29°19	29°40	3° 1	5°23	T 14
W15	5 33 41	22°58'54	19°51	1°20	10°15	22°56	22°50	19°15	15°14	22° 5	2° 8	29°19	29°37	3° 8	5°29	W15
T 16	5 37 38	24° 0'03	1♑39	2°18	11°16	23°13	22°44	19°20	15°11	22° 6	2° 7	29°D19	29°34	3°14	5°35	T 16
F 17	5 41 34	25° 1'13	13°26	3°21	12°18	23°31	22°38	19°25	15° 9	22° 6	2° 7	29°19	29°31	3°21	5°41	F 17
S 18	5 45 31	26° 2'23	25°14	4°26	13°19	23°48	22°31	19°30	15° 6	22° 6	2° 6	29°19	29°27	3°28	5°47	S 18
S 19	5 49 27	27° 3'33	7♒ 6	5°35	14°19	24° 7	22°25	19°35	15° 4	22° 6	2° 6	29°20	29°24	3°34	5°53	S 19
M20	5 53 24	28° 4'43	19° 5	6°46	15°19	24°25	22°18	19°41	15° 1	22° 7	2° 5	29°20	29°21	3°41	5°59	M20
T 21	5 57 21	29° 5'53	1♓14	7°59	16°19	24°45	22°11	19°46	14°59	22° 7	2° 4	29°R20	29°18	3°48	6° 4	T 21
W22	6 1 17	0♑ 7'03	13°37	9°14	17°18	25° 4	22° 4	19°52	14°56	22° 7	2° 4	29°20	29°15	3°54	6°10	W22
T 23	6 5 14	1° 8'13	26°17	10°31	18°17	25°24	21°57	19°57	14°54	22° 7	2° 3	29°D20	29°12	4° 1	6°17	T 23
F 24	6 9 10	2° 9'23	9♈20	11°49	19°15	25°45	21°50	20° 3	14°51	22°R 7	2° 3	29°20	29° 8	4° 8	6°23	F 24
S 25	6 13 7	3°10'33	22°47	13° 9	20°12	26° 6	21°43	20° 8	14°49	22° 7	2° 2	29°20	29° 5	4°14	6°29	S 25
S 26	6 17 3	4°11'43	6♉41	14°30	21° 9	26°27	21°35	20°14	14°47	22° 7	2° 2	29°20	29° 2	4°21	6°35	S 26
M27	6 21 0	5°12'53	21° 1	15°52	22° 6	26°49	21°28	20°20	14°44	22° 7	2° 2	29°21	28°59	4°27	6°41	M27
T 28	6 24 56	6°14'02	5♊45	17°16	23° 2	27°11	21°20	20°26	14°42	22° 7	2° 1	29°22	28°56	4°34	6°47	T 28
W29	6 28 53	7°15'12	20°48	18°40	23°57	27°33	21°13	20°32	14°40	22° 7	2° 1	29°22	28°52	4°41	6°53	W29
T 30	6 32 50	8°16'21	6♋ 2	20° 5	24°52	27°56	21° 5	20°38	14°37	22° 6	2° 0	29°R22	28°49	4°47	6°59	T 30
F 31	6 36 46	9♑17'30	21♋16	21♐30	25♒46	28♈19	20♋57	20♒44	14♊35	22♍ 6	2♉ 0	29♊22	28♊46	4♑54	7♑ 5	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21s48	20n56	1s29	18s 8	2n10	23s41	2s36	8n 4	0n15	21n37	0n16	16s41	1s20	22n47	0n 3	4n19	1n13	3s21	16s38	23n29	23n29	23s35	17s20	6n 6	
T 2	21 58	23 22	0 7	17 44	2 22	23 27	2 35	8 9	0 17	21 38	0 16	16 39	1 20	22 47	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 36	17 20	6 6	
F 3	22 6	24 5	1n16	17 24	2 31	23 12	2 33	8 15	0 19	21 38	0 16	16 38	1 20	22 46	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 37	17 20	6 6	
S 4	22 15	23 5	2 32	17 8	2 39	22 57	2 31	8 20	0 21	21 39	0 16	16 37	1 20	22 46	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 38	17 20	6 5	
S 5	22 23	20 33	3 37	16 57	2 44	22 42	2 29	8 26	0 23	21 40	0 17	16 35	1 20	22 46	0 3	4 18	1 13	3 21	16 37	23 29	23 29	23 39	17 20	6 5	
M 6	22 30	16 50	4 27	16 51	2 47	22 26	2 27	8 32	0 26	21 41	0 17	16 34	1 20	22 46	0 3	4 18	1 13	3 21	16 37	23 29	23 29	23 39	17 20	6 5	
T 7	22 38	12 19	5 0	16 48	2 48	22 9	2 25	8 39	0 28	21 42	0 17	16 33	1 20	22 45	0 3	4 17	1 13	3 21	16 37	23 29	23 29	23 40	17 20	6 5	
W 8	22 44	7 21	5 15	16 50	2 48	21 52	2 23	8 45	0 30	21 43	0 17	16 31	1 20	22 45	0 3	4 17	1 13	3 21	16 37	23 29	23 29	23 41	17 19	6 5	
T 9	22 50	2 10	5 15	16 55	2 46	21 34	2 20	8 52	0 31	21 44	0 17	16 30	1 20	22 45	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 42	17 19	6 5	
F 10	22 56	2s59	4 58	17 2	2 43	21 16	2 17	8 59	0 33	21 45	0 17	16 28	1 20	22 45	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 42	17 19	6 5	
S 11	23 2	7 55	4 28	17 13	2 40	20 58	2 14	9 6	0 35	21 46	0 18	16 27	1 20	22 44	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 43	17 19	6 5	
S 12	23 6	12 28	3 46	17 26	2 35	20 39	2 11	9 13	0 37	21 48	0 18	16 25	1 20	22 44	0 3	4 17	1 13	3 21	16 35	23 29	23 29	23 44	17 19	6 5	
M13	23 11	16 29	2 55	17 40	2 30	20 19	2 8	9 20	0 39	21 49	0 18	16 24	1 20	22 44	0 3	4 16	1 13	3 21	16 35	23 29	23 29	23 45	17 19	6 5	
T 14	23 15	19 47	1 56	17 57	2 24	20 0	2 5	9 28	0 40	21 50	0 18	16 22	1 20	22 44	0 3	4 16	1 14	3 21	16 35	23 29	23 29	23 45	17 19	6 5	
W15	23 18	22 14	0 52	18 14	2 17	19 39	2 1	9 35	0 42	21 51	0 18	16 20	1 19	22 43	0 3	4 16	1 14	3 21	16 35	23 29	23 29	23 46	17 18	6 4	
T 16	23 21	23 42	0s13	18 33	2 10	19 19	1 58	9 43	0 43	21 52	0 18	16 19	1 19	22 43	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 47	17 18	6 4	
F 17	23 24	24 6	1 18	18 52	2 3	18 58	1 54	9 51	0 45	21 53	0 19	16 17	1 19	22 43	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 48	17 18	6 4	
S 18	23 26	23 25	2 19	19 11	1 55	18 37	1 50	9 59	0 46	21 55	0 19	16 15	1 19	22 42	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 48	17 18	6 4	
S 19	23 27	21 41	3 15	19 31	1 47	18 15	1 45	10 7	0 48	21 56	0 19	16 14	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 49	17 18	6 4	
M20	23 29	18 59	4 3	19 51	1 39	17 53	1 41	10 15	0 49	21 57	0 19	16 12	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 50	17 17	6 4	
T 21	23 29	15 26	4 41	20 11	1 31	17 31	1 36	10 23	0 51	21 58	0 19	16 10	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 50	17 17	6 4	
W22	23 29	11 10	5 6	20 31	1 23	17 8	1 31	10 32	0 52	22 0	0 19	16 8	1 19	22 41	0 3	4 16	1 14	3 20	16 33	23 29	23 29	23 51	17 17	6 4	
T 23	23 29	6 20	5 18	20 50	1 15	16 45	1 26	10 41	0 53	22 1	0 20	16 7	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 52	17 17	6 4	
F 24	23 28	1 6	5 13	21 9	1 7	16 22	1 21	10 49	0 55	22 2	0 20	16 5	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 52	17 16	6 4	
S 25	23 27	4n21	4 52	21 27	0 59	15 59	1 16	10 58	0 56	22 4	0 20	16 3	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 53	17 16	6 4	
S 26	23 25	9 47	4 13	21 45	0 51	15 35	1 10	11 7	0 57	22 5	0 20	16 1	1 19	22 40	0 3	4 16	1 14	3 20	16 31	23 29	23 29	23 54	17 16	6 4	
M27	23 23	14 52	3 18	22 2	0 42	15 11	1 5	11 16	0 58	22 6	0 20	15 59	1 19	22 40	0 3	4 16	1 14	3 20	16 31	23 29	23 29	23 54	17 15	6 4	
T 28	23 21	19 13	2 8	22 18	0 34	14 47	0 59	11 25	0 59	22 8	0 20	15 57	1 19	22 40	0 3	4 16	1 14	3 20	16 31	23 29	23 29	23 55	17 15	6 5	
W29	23 17	22 23	0 47	22 34	0 26	14 23	0 52	11 34	1 1	22 9	0 20	15 56	1 19	22 40	0 3	4 16	1 14	3 19	16 30	23 29	23 29	23 56	17 15	6 5	
T 30	23 14	23 58	0n37	22 48	0 19	13 59	0 46	11 43	1 2	22 10	0 21	15 54	1 19	22 39	0 3	4 17	1 14	3 19	16 30	23 29	23 29	23 56	17 14	6 5	
F 31	23s10	23n46	1n59	23s 2	0n11	13s35	0s40	11n53	1n 3	22n12	0n21	15s52	1s19	22n39	0n 3	4n17	1n14	3s19	16s30	23n29	23n29	23s57	17s14	6n 5	

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

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1611
geocentric

JANUARY 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 40 43	10♉18'39	6♌22	22♐57	26♒39	28♈43	20°R50	20♒50	14°R33	22°R 6	2°R 0	29°R21	28♊43	5♉ 1	7♉11	S 1
S 2	6 44 39	11°19'48	21°10	24°24	27°32	29° 6	20♋42	20°56	14♊31	22♍ 6	1♌59	29♊19	28°40	5° 7	7°17	S 2
M 3	6 48 36	12°20'57	5♍33	25°52	28°24	29°31	20°34	21° 2	14°28	22° 5	1°59	29°17	28°37	5°14	7°23	M 3
T 4	6 52 32	13°22'06	19°30	27°20	29°15	29°55	20°26	21° 8	14°26	22° 5	1°59	29°16	28°33	5°21	7°29	T 4
W 5	6 56 29	14°23'15	2♎58	28°49	0♓ 5	0♌20	20°18	21°14	14°24	22° 5	1°59	29°15	28°30	5°27	7°35	W 5
T 6	7 0 25	15°24'24	16° 0	0♉18	0°55	0°45	20°10	21°21	14°22	22° 4	1°58	29°D15	28°27	5°34	7°41	T 6
F 7	7 4 22	16°25'33	28°40	1°48	1°44	1°10	20° 2	21°27	14°20	22° 4	1°58	29°15	28°24	5°41	7°47	F 7
S 8	7 8 19	17°26'42	11♏ 0	3°19	2°31	1°36	19°54	21°34	14°18	22° 3	1°58	29°16	28°21	5°47	7°52	S 8
S 9	7 12 15	18°27'51	23° 6	4°50	3°18	2° 2	19°46	21°40	14°16	22° 3	1°58	29°18	28°18	5°54	7°58	S 9
M10	7 16 12	19°28'59	5♐ 1	6°22	4° 4	2°28	19°38	21°47	14°14	22° 2	1°58	29°19	28°14	6° 1	8° 4	M10
T 11	7 20 8	20°30'07	16°51	7°54	4°49	2°54	19°30	21°53	14°12	22° 2	1°58	29°21	28°11	6° 7	8°10	T 11
W12	7 24 5	21°31'15	28°37	9°26	5°33	3°21	19°22	22° 0	14°10	22° 1	1°57	29°R21	28° 8	6°14	8°16	W12
T 13	7 28 1	22°32'22	10♉24	10°59	6°16	3°48	19°13	22° 6	14° 8	22° 0	1°57	29°21	28° 5	6°20	8°22	T 13
F 14	7 31 58	23°33'29	22°13	12°33	6°58	4°15	19° 5	22°13	14° 6	22° 0	1°57	29°19	28° 2	6°27	8°28	F 14
S 15	7 35 54	24°34'35	4♒ 8	14° 7	7°38	4°42	18°57	22°20	14° 5	21°59	1°57	29°16	27°58	6°34	8°34	S 15
S 16	7 39 51	25°35'41	16° 8	15°42	8°17	5°10	18°49	22°26	14° 3	21°58	1°D57	29°12	27°55	6°40	8°40	S 16
M17	7 43 48	26°36'45	28°17	17°18	8°55	5°38	18°41	22°33	14° 1	21°58	1°57	29° 7	27°52	6°47	8°45	M17
T 18	7 47 44	27°37'49	10♓36	18°54	9°32	6° 6	18°34	22°40	14° 0	21°57	1°57	29° 2	27°49	6°54	8°51	T 18
W19	7 51 41	28°38'52	23° 6	20°30	10° 7	6°34	18°26	22°47	13°58	21°56	1°57	28°57	27°46	7° 0	8°57	W19
T 20	7 55 37	29°39'53	5♈51	22° 7	10°41	7° 3	18°18	22°54	13°56	21°55	1°57	28°53	27°43	7° 7	9° 3	T 20
F 21	7 59 34	0♒40'53	18°52	23°45	11°14	7°32	18°10	23° 1	13°55	21°54	1°58	28°51	27°39	7°14	9° 8	F 21
S 22	8 3 30	1°41'53	2♉11	25°24	11°45	8° 0	18° 2	23° 7	13°53	21°53	1°58	28°D51	27°36	7°20	9°14	S 22
S 23	8 7 27	2°42'51	15°52	27° 3	12°14	8°30	17°55	23°14	13°52	21°52	1°58	28°51	27°33	7°27	9°20	S 23
M24	8 11 23	3°43'48	29°55	28°42	12°41	8°59	17°47	23°21	13°50	21°51	1°58	28°53	27°30	7°34	9°25	M24
T 25	8 15 20	4°44'43	14♊20	0♒23	13° 7	9°28	17°40	23°28	13°49	21°50	1°58	28°54	27°27	7°40	9°31	T 25
W26	8 19 17	5°45'38	29° 4	2° 4	13°31	9°58	17°33	23°35	13°48	21°49	1°58	28°R55	27°24	7°47	9°36	W26
T 27	8 23 13	6°46'31	14♋ 3	3°46	13°53	10°28	17°25	23°42	13°47	21°48	1°59	28°54	27°20	7°54	9°42	T 27
F 28	8 27 10	7°47'23	29° 9	5°28	14°13	10°58	17°18	23°50	13°45	21°47	1°59	28°51	27°17	8° 0	9°47	F 28
S 29	8 31 6	8°48'13	14♌12	7°12	14°31	11°28	17°11	23°57	13°44	21°46	1°59	28°46	27°14	8° 7	9°53	S 29
S 30	8 35 3	9°49'03	29° 4	8°56	14°48	11°58	17° 4	24° 4	13°43	21°45	1°59	28°40	27°11	8°13	9°58	S 30
M31	8 38 59	10♒49'51	13♍37	10♒40	15♓ 1	12♌29	16♋57	24♒11	13♊42	21♍44	2♌ 0	28♊33	27♊ 8	8♉20	10♉ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 5	21n49	3n11	23s15	0n 3	13s10	0s33	12n 2	1n 4	22n13	0n21	15s50	1s19	22n39	0n 3	4n17	1n14	3s19	16s29	23n29	23n29	23s58	17s13	6n 5
S 2	23 0	18 25	4 10	23 27	0s 4	12 46	0 26	12 11	1 5	22 14	0 21	15 48	1 19	22 39	0 3	4 17	1 14	3 19	16 29	23 29	23 29	23 58	17 13	6 5
M 3	22 55	13 59	4 50	23 37	0 12	12 21	0 19	12 21	1 6	22 16	0 21	15 46	1 19	22 38	0 3	4 17	1 15	3 18	16 29	23 29	23 29	23 59	17 13	6 5
T 4	22 49	8 57	5 13	23 47	0 19	11 56	0 11	12 30	1 7	22 17	0 21	15 44	1 19	22 38	0 3	4 17	1 15	3 18	16 28	23 29	23 29	23 59	17 12	6 5
W 5	22 43	3 39	5 16	23 55	0 26	11 31	0 4	12 40	1 8	22 18	0 22	15 42	1 19	22 38	0 3	4 18	1 15	3 18	16 28	23 29	23 29	24 0	17 12	6 5
T 6	22 36	1s38	5 4	24 2	0 33	11 6	0n 4	12 50	1 8	22 20	0 22	15 40	1 19	22 38	0 3	4 18	1 15	3 18	16 28	23 29	23 29	24 1	17 11	6 5
F 7	22 29	6 43	4 36	24 8	0 40	10 42	0 12	12 59	1 9	22 21	0 22	15 38	1 19	22 37	0 3	4 18	1 15	3 17	16 27	23 29	23 29	24 1	17 11	6 5
S 8	22 21	11 24	3 57	24 13	0 46	10 17	0 20	13 9	1 10	22 22	0 22	15 35	1 19	22 37	0 3	4 18	1 15	3 17	16 27	23 29	23 29	24 2	17 10	6 6
S 9	22 13	15 34	3 7	24 16	0 52	9 52	0 29	13 19	1 11	22 24	0 22	15 33	1 19	22 37	0 3	4 18	1 15	3 17	16 27	23 29	23 29	24 2	17 10	6 6
M10	22 4	19 2	2 11	24 19	0 58	9 27	0 37	13 29	1 12	22 25	0 22	15 31	1 19	22 37	0 3	4 19	1 15	3 17	16 26	23 29	23 29	24 3	17 9	6 6
T 11	21 55	21 42	1 9	24 20	1 4	9 3	0 46	13 38	1 13	22 26	0 22	15 29	1 19	22 36	0 3	4 19	1 15	3 16	16 26	23 29	23 29	24 4	17 9	6 6
W12	21 46	23 25	0 4	24 19	1 10	8 38	0 55	13 48	1 13	22 28	0 22	15 27	1 19	22 36	0 3	4 19	1 15	3 16	16 26	23 29	23 29	24 4	17 8	6 6
T 13	21 36	24 5	1s 1	24 17	1 16	8 14	1 5	13 58	1 14	22 29	0 23	15 25	1 19	22 36	0 3	4 20	1 15	3 16	16 25	23 29	23 29	24 5	17 8	6 6
F 14	21 26	23 40	2 3	24 14	1 21	7 49	1 14	14 8	1 15	22 30	0 23	15 23	1 19	22 36	0 3	4 20	1 15	3 15	16 25	23 29	23 29	24 5	17 7	6 6
S 15	21 15	22 11	3 0	24 10	1 26	7 25	1 24	14 18	1 15	22 31	0 23	15 20	1 19	22 36	0 3	4 20	1 15	3 15	16 24	23 29	23 28	24 6	17 7	6 7
S 16	21 4	19 41	3 50	24 4	1 31	7 1	1 34	14 28	1 16	22 33	0 23	15 18	1 19	22 35	0 3	4 20	1 15	3 15	16 24	23 29	23 28	24 6	17 6	6 7
M17	20 53	16 18	4 29	23 56	1 35	6 38	1 44	14 38	1 17	22 34	0 23	15 16	1 19	22 35	0 3	4 21	1 15	3 14	16 24	23 29	23 28	24 7	17 6	6 7
T 18	20 41	12 11	4 57	23 48	1 39	6 14	1 55	14 48	1 17	22 35	0 23	15 14	1 19	22 35	0 3	4 21	1 15	3 14	16 23	23 29	23 28	24 7	17 5	6 7
W19	20 28	7 30	5 11	23 37	1 43	5 51	2 5	14 58	1 18	22 36	0 23	15 12	1 19	22 35	0 3	4 22	1 15	3 14	16 23	23 29	23 28	24 8	17 5	6 7
T 20	20 16	2 26	5 11	23 25	1 47	5 28	2 16	15 8	1 18	22 37	0 23	15 9	1 19	22 35	0 3	4 22	1 15	3 13	16 23	23 29	23 28	24 8	17 4	6 8
F 21	20 3	2n52	4 54	23 12	1 50	5 6	2 27	15 18	1 19	22 39	0 24	15 7	1 19	22 34	0 3	4 22	1 15	3 13	16 22	23 29	23 28	24 9	17 3	6 8
S 22	19 49	8 10	4 22	22 57	1 53	4 44	2 39	15 28	1 20	22 40	0 24	15 5	1 19	22 34	0 3	4 23	1 15	3 13	16 22	23 29	23 28	24 9	17 3	6 8
S 23	19 36	13 13	3 34	22 41	1 56	4 22	2 50	15 38	1 20	22 41	0 24	15 3	1 19	22 34	0 3	4 23	1 15	3 12	16 22	23 29	23 28	24 10	17 2	6 8
M24	19 22	17 42	2 32	22 23	1 58	4 1	3 2	15 48	1 21	22 42	0 24	15 0	1 19	22 34	0 3	4 24	1 16	3 12	16 21	23 29	23 28	24 10	17 2	6 9
T 25	19 7	21 16	1 19	22 4	2 0	3 40	3 14	15 58	1 21	22 43	0 24	14 58	1 19	22 34	0 3	4 24	1 16	3 11	16 21	23 29	23 28	24 11	17 1	6 9
W26	18 52	23 30	0n 1	21 43	2 2	3 20	3 26	16 8	1 22	22 44	0 24	14 56	1 19	22 34	0 3	4 24	1 16	3 11	16 21	23 29	23 28	24 11	17 0	6 9
T 27	18 37	24 6	1 22	21 21	2 3	3 0	3 38	16 17	1 22	22 45	0 24	14 53	1 19	22 34	0 3	4 25	1 16	3 11	16 20	23 29	23 28	24 12	17 0	6 9
F 28	18 22	22 56	2 37	20 57	2 4	2 41	3 50	16 27	1 23	22 46	0 24	14 51	1 19	22 33	0 3	4 25	1 16	3 10	16 20	23 29	23 28	24 12	16 59	6 10
S 29	18 6	20 8	3 41	20 31	2 4	2 22	4 3	16 37	1 23	22 47	0 24	14 49	1 19	22 33	0 3	4 26	1 16	3 10	16 19	23 29	23 28	24 13	16 58	6 10
S 30	17 50	16 2	4 30	20 4	2 4	2 4	4 15	16 47	1 23	22 48	0 25	14 46	1 19	22 33	0 3	4 26	1 16	3 9	16 19	23 29	23 28	24 13	16 58	6 10
M31	17s33	11n 3	4n59	19s35	2s 4	1s47	4n28	16n57	1n24	22n49	0n25	14s44	1s19	22n33	0n 3	4n27	1n16	3s 9	16s19	23n29	23n28	24s14	16s57	6n11

Julian Day Number = 2309465.5, Delta T = 75.57 sec
Ecliptic obliquity = 23°29'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'40, Lahiri = 18°25'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

FEBRUARY 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 42 56	11♒50'38	27♍44	12♒26	15♓13	13♉ 0	16°R51	24♒18	13°R41	21°R43	2♉ 0	28°R27	27♊ 4	8♋27	10♋ 9	T 1
W 2	8 46 53	12°51'24	11♎22	14°12	15°23	13°30	16♋44	24°25	13♊40	21♍42	2° 1	28♊21	27° 1	8°33	10°14	W 2
T 3	8 50 49	13°52'09	24°32	15°59	15°30	14° 1	16°38	24°32	13°39	21°40	2° 1	28°17	26°58	8°40	10°20	T 3
F 4	8 54 46	14°52'54	7♏16	17°46	15°35	14°32	16°31	24°40	13°38	21°39	2° 1	28°15	26°55	8°47	10°25	F 4
S 5	8 58 42	15°53'37	19°38	19°35	15°37	15° 3	16°25	24°47	13°37	21°38	2° 2	28°D15	26°52	8°53	10°30	S 5
S 6	9 2 39	16°54'19	1♐43	21°23	15°R37	15°35	16°19	24°54	13°36	21°37	2° 2	28°16	26°49	9° 0	10°35	S 6
M 7	9 6 35	17°55'00	13°37	23°13	15°35	16° 6	16°13	25° 1	13°36	21°35	2° 3	28°17	26°45	9° 7	10°40	M 7
T 8	9 10 32	18°55'39	25°24	25° 3	15°30	16°38	16° 7	25° 8	13°35	21°34	2° 3	28°R18	26°42	9°13	10°45	T 8
W 9	9 14 28	19°56'18	7♑10	26°53	15°23	17°10	16° 2	25°16	13°34	21°33	2° 4	28°18	26°39	9°20	10°50	W 9
T 10	9 18 25	20°56'55	18°58	28°43	15°13	17°41	15°56	25°23	13°34	21°31	2° 4	28°15	26°36	9°27	10°55	T 10
F 11	9 22 22	21°57'31	0♒52	0♓34	15° 0	18°13	15°51	25°30	13°33	21°30	2° 5	28°10	26°33	9°33	11° 0	F 11
S 12	9 26 18	22°58'05	12°55	2°25	14°46	18°45	15°46	25°38	13°33	21°29	2° 5	28° 3	26°30	9°40	11° 5	S 12
S 13	9 30 15	23°58'38	25° 7	4°15	14°28	19°18	15°41	25°45	13°32	21°27	2° 6	27°53	26°26	9°47	11°10	S 13
M14	9 34 11	24°59'10	7♓31	6° 5	14° 9	19°50	15°36	25°52	13°32	21°26	2° 7	27°43	26°23	9°53	11°15	M14
T 15	9 38 8	25°59'39	20° 7	7°54	13°46	20°22	15°31	25°59	13°32	21°24	2° 7	27°31	26°20	10° 0	11°20	T 15
W16	9 42 4	27° 0'07	2♈54	9°42	13°22	20°55	15°27	26° 7	13°32	21°23	2° 8	27°21	26°17	10° 6	11°24	W16
T 17	9 46 1	28° 0'33	15°52	11°29	12°56	21°28	15°22	26°14	13°31	21°21	2° 8	27°12	26°14	10°13	11°29	T 17
F 18	9 49 57	29° 0'57	29° 4	13°14	12°27	22° 0	15°18	26°21	13°31	21°20	2° 9	27° 6	26°10	10°20	11°34	F 18
S 19	9 53 54	0♓ 1'19	12♉28	14°56	11°57	22°33	15°14	26°28	13°31	21°18	2°10	27° 2	26° 7	10°26	11°38	S 19
S 20	9 57 50	1° 1'39	26° 5	16°36	11°25	23° 6	15°11	26°36	13°D31	21°17	2°11	27°D 0	26° 4	10°33	11°43	S 20
M21	10 1 47	2° 1'57	9♊58	18°13	10°51	23°39	15° 7	26°43	13°31	21°15	2°11	27° 0	26° 1	10°40	11°47	M21
T 22	10 5 44	3° 2'14	24° 6	19°45	10°17	24°12	15° 4	26°50	13°31	21°14	2°12	27°R 1	25°58	10°46	11°51	T 22
W23	10 9 40	4° 2'28	8♋28	21°14	9°41	24°45	15° 0	26°57	13°31	21°12	2°13	27° 0	25°55	10°53	11°56	W23
T 24	10 13 37	5° 2'40	23° 3	22°37	9° 4	25°19	14°57	27° 5	13°31	21°11	2°14	26°58	25°51	11° 0	12° 0	T 24
F 25	10 17 33	6° 2'50	7♌45	23°55	8°27	25°52	14°55	27°12	13°32	21° 9	2°15	26°53	25°48	11° 6	12° 4	F 25
S 26	10 21 30	7° 2'58	22°29	25° 6	7°49	26°25	14°52	27°19	13°32	21° 7	2°15	26°45	25°45	11°13	12° 8	S 26
S 27	10 25 26	8° 3'04	7♍ 7	26°11	7°11	26°59	14°49	27°26	13°32	21° 6	2°16	26°35	25°42	11°20	12°12	S 27
M28	10 29 23	9♓ 3'08	21♍31	27♓ 8	6♓34	27♉33	14♋47	27♒34	13♊33	21♍ 4	2♉17	26♊23	25♊39	11♋26	12♋16	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17s16	5n38	5n10	19s 5	2s 3	1s31	4n41	17n 7	1n24	22n50	0n25	14s42	1s19	22n33	0n 3	4n27	1n16	3s 8	16s18	23n29	23n27	24s14	16s56	6n11	T 1
W 2	16 59	0 7	5 2	18 33	2 2	1 15	4 54	17 16	1 25	22 51	0 25	14 39	1 19	22 33	0 4	4 28	1 16	3 8	16 18	23 29	23 27	24 15	16 56	6 11	W 2
T 3	16 42	5s13	4 38	17 59	2 0	1 0	5 7	17 26	1 25	22 52	0 25	14 37	1 19	22 33	0 4	4 28	1 16	3 7	16 18	23 29	23 27	24 15	16 55	6 12	T 3
F 4	16 24	10 10	4 1	17 24	1 58	0 46	5 20	17 36	1 25	22 53	0 25	14 34	1 19	22 33	0 4	4 29	1 16	3 7	16 17	23 29	23 27	24 15	16 54	6 12	F 4
S 5	16 6	14 34	3 14	16 48	1 55	0 33	5 33	17 45	1 26	22 54	0 25	14 32	1 19	22 32	0 4	4 29	1 16	3 7	16 17	23 29	23 27	24 16	16 53	6 12	S 5
S 6	15 48	18 17	2 19	16 10	1 51	0 21	5 46	17 55	1 26	22 54	0 25	14 30	1 19	22 32	0 4	4 30	1 16	3 6	16 17	23 29	23 27	24 16	16 53	6 13	S 6
M 7	15 30	21 11	1 19	15 30	1 47	0 10	5 59	18 4	1 26	22 55	0 25	14 27	1 19	22 32	0 4	4 30	1 16	3 6	16 16	23 29	23 27	24 17	16 52	6 13	M 7
T 8	15 11	23 9	0 16	14 49	1 43	0 0	6 12	18 14	1 27	22 56	0 25	14 25	1 19	22 32	0 4	4 31	1 16	3 5	16 16	23 29	23 27	24 17	16 51	6 13	T 8
W 9	14 52	24 5	0s48	14 7	1 38	0n 8	6 25	18 23	1 27	22 57	0 25	14 22	1 19	22 32	0 4	4 31	1 16	3 5	16 16	23 29	23 27	24 17	16 50	6 14	W 9
T 10	14 33	23 57	1 49	13 23	1 32	0 16	6 37	18 32	1 27	22 58	0 26	14 20	1 20	22 32	0 4	4 32	1 16	3 4	16 15	23 29	23 27	24 18	16 50	6 14	T 10
F 11	14 13	22 42	2 46	12 38	1 26	0 23	6 49	18 42	1 27	22 58	0 26	14 18	1 20	22 32	0 4	4 33	1 16	3 4	16 15	23 29	23 27	24 18	16 49	6 14	F 11
S 12	13 53	20 25	3 36	11 51	1 18	0 28	7 1	18 51	1 28	22 59	0 26	14 15	1 20	22 32	0 4	4 33	1 16	3 3	16 15	23 29	23 27	24 19	16 48	6 15	S 12
S 13	13 33	17 12	4 17	11 4	1 11	0 32	7 13	19 0	1 28	23 0	0 26	14 13	1 20	22 32	0 4	4 34	1 16	3 3	16 14	23 28	23 27	24 19	16 47	6 15	S 13
M14	13 13	13 11	4 46	10 16	1 2	0 35	7 24	19 9	1 28	23 0	0 26	14 10	1 20	22 32	0 4	4 34	1 16	3 2	16 14	23 28	23 26	24 19	16 47	6 15	M14
T 15	12 53	8 33	5 2	9 27	0 53	0 36	7 35	19 18	1 28	23 1	0 26	14 8	1 20	22 32	0 4	4 35	1 16	3 2	16 14	23 28	23 26	24 20	16 46	6 16	T 15
W16	12 32	3 29	5 3	8 37	0 43	0 37	7 45	19 27	1 29	23 1	0 26	14 6	1 20	22 32	0 4	4 36	1 16	3 1	16 13	23 28	23 26	24 20	16 45	6 16	W16
T 17	12 11	1n49	4 49	7 47	0 33	0 36	7 55	19 36	1 29	23 2	0 26	14 3	1 20	22 32	0 4	4 36	1 16	3 1	16 13	23 28	23 26	24 20	16 44	6 17	T 17
F 18	11 50	7 8	4 19	6 57	0 22	0 33	8 4	19 44	1 29	23 2	0 26	14 1	1 20	22 32	0 4	4 37	1 16	3 0	16 13	23 27	23 26	24 21	16 43	6 17	F 18
S 19	11 29	12 12	3 34	6 6	0 10	0 29	8 12	19 53	1 29	23 3	0 26	13 58	1 20	22 32	0 4	4 37	1 16	3 0	16 12	23 27	23 26	24 21	16 43	6 18	S 19
S 20	11 8	16 46	2 37	5 16	0n 2	0 24	8 20	20 2	1 29	23 3	0 26	13 56	1 20	22 32	0 4	4 38	1 16	2 59	16 12	23 27	23 26	24 21	16 42	6 18	S 20
M21	10 46	20 31	1 30	4 27	0 15	0 18	8 26	20 10	1 30	23 4	0 26	13 53	1 20	22 32	0 4	4 39	1 16	2 59	16 12	23 27	23 26	24 22	16 41	6 18	M21
T 22	10 25	23 6	0 16	3 38	0 28	0 11	8 32	20 19	1 30	23 4	0 26	13 51	1 20	22 32	0 4	4 39	1 16	2 58	16 11	23 27	23 26	24 22	16 40	6 19	T 22
W23	10 3	24 14	1n 1	2 51	0 42	0 2	8 37	20 27	1 30	23 5	0 26	13 49	1 20	22 32	0 4	4 40	1 16	2 57	16 11	23 27	23 26	24 22	16 39	6 19	W23
T 24	9 41	23 43	2 14	2 5	0 56	0s 8	8 41	20 35	1 30	23 5	0 26	13 46	1 20	22 32	0 4	4 41	1 17	2 57	16 11	23 27	23 26	24 23	16 39	6 20	T 24
F 25	9 19	21 34	3 19	1 21	1 10	0 19	8 44	20 44	1 30	23 6	0 26	13 44	1 20	22 32	0 4	4 41	1 17	2 56	16 11	23 27	23 25	24 23	16 38	6 20	F 25
S 26	8 56	17 59	4 10	0 40	1 24	0 30	8 46	20 52	1 30	23 6	0 27	13 41	1 21	22 32	0 4	4 42	1 17	2 56	16 10	23 27	23 25	24 23	16 37	6 21	S 26
S 27	8 34	13 19	4 45	0 1	1 39	0 43	8 48	21 0	1 31	23 6	0 27	13 39	1 21	22 32	0 4	4 43	1 17	2 55	16 10	23 27	23 25	24 23	16 36	6 21	S 27
M28	8s12	7n58	5n 1	0n35	1n53	0s57	8n48	21n 7	1n31	23n 7	0n27	13s37	1s21	22n32	0n 4	4n43	1n17	2s55	16s10	23n26	23n25	24s24	16s35	6n22	M28

Julian Day Number = 2309496.5, Delta T = 75.48 sec
Ecliptic obliquity = 23°29'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'44, Lahiri = 18°25'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

MARCH 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 33 19	10♓ 3'10	5♎35	27♓57	5°R56	28♉ 6	14°R45	27♒41	13♊33	21°R 3	2♉18	26°R12	25♊35	11♑33	12♑20	T 1
W 2	10 37 16	11° 3'10	19°14	28°39	5♓20	28°40	14♋43	27°48	13°34	21♍ 1	2°19	26♊ 2	25°32	11°40	12°24	W 2
T 3	10 41 13	12° 3'09	2♏27	29°11	4°44	29°14	14°41	27°55	13°34	20°59	2°20	25°54	25°29	11°46	12°28	T 3
F 4	10 45 9	13° 3'06	15°15	29°36	4°10	29°48	14°40	28° 2	13°35	20°58	2°21	25°48	25°26	11°53	12°32	F 4
S 5	10 49 6	14° 3'02	27°41	29°51	3°37	0♊21	14°39	28° 9	13°35	20°56	2°22	25°45	25°23	12° 0	12°36	S 5
S 6	10 53 2	15° 2'56	9♐49	29°R57	3° 6	0°55	14°38	28°16	13°36	20°54	2°23	25°44	25°20	12° 6	12°39	S 6
M 7	10 56 59	16° 2'48	21°45	29°54	2°36	1°30	14°37	28°23	13°37	20°53	2°24	25°44	25°16	12°13	12°43	M 7
T 8	11 0 55	17° 2'38	3♑33	29°43	2° 9	2° 4	14°36	28°30	13°38	20°51	2°25	25°44	25°13	12°19	12°46	T 8
W 9	11 4 52	18° 2'27	15°20	29°24	1°43	2°38	14°35	28°37	13°39	20°49	2°26	25°43	25°10	12°26	12°50	W 9
T 10	11 8 48	19° 2'14	27°11	28°57	1°20	3°12	14°35	28°44	13°39	20°48	2°27	25°39	25° 7	12°33	12°53	T 10
F 11	11 12 45	20° 1'59	9♒10	28°24	0°59	3°46	14°D35	28°51	13°40	20°46	2°28	25°33	25° 4	12°39	12°56	F 11
S 12	11 16 42	21° 1'43	21°20	27°44	0°40	4°21	14°35	28°58	13°41	20°44	2°29	25°24	25° 1	12°46	13° 0	S 12
S 13	11 20 38	22° 1'24	3♓45	26°59	0°23	4°55	14°35	29° 5	13°43	20°43	2°30	25°12	24°57	12°53	13° 3	S 13
M14	11 24 35	23° 1'03	16°24	26°10	0° 9	5°30	14°36	29°12	13°44	20°41	2°31	24°59	24°54	12°59	13° 6	M14
T 15	11 28 31	24° 0'41	29°19	25°18	29♒58	6° 4	14°36	29°19	13°45	20°39	2°32	24°46	24°51	13° 6	13° 9	T 15
W16	11 32 28	25° 0'16	12♈28	24°24	29°49	6°39	14°37	29°26	13°46	20°38	2°33	24°33	24°48	13°13	13°12	W16
T 17	11 36 24	25°59'49	25°49	23°29	29°42	7°13	14°38	29°33	13°47	20°36	2°34	24°22	24°45	13°19	13°15	T 17
F 18	11 40 21	26°59'20	9♉21	22°35	29°38	7°48	14°39	29°39	13°49	20°34	2°35	24°13	24°41	13°26	13°18	F 18
S 19	11 44 17	27°58'49	23° 1	21°43	29°D36	8°23	14°41	29°46	13°50	20°33	2°37	24° 8	24°38	13°33	13°20	S 19
S 20	11 48 14	28°58'16	6♊50	20°53	29°37	8°58	14°42	29°53	13°51	20°31	2°38	24° 5	24°35	13°39	13°23	S 20
M21	11 52 11	29°57'40	20°45	20° 7	29°39	9°33	14°44	29°59	13°53	20°29	2°39	24° 5	24°32	13°46	13°26	M21
T 22	11 56 7	0♈57'02	4♋48	19°24	29°45	10° 7	14°46	0♓ 6	13°54	20°28	2°40	24° 5	24°29	13°53	13°28	T 22
W23	12 0 4	1°56'22	18°57	18°47	29°52	10°42	14°48	0°13	13°56	20°26	2°41	24° 4	24°26	13°59	13°30	W23
T 24	12 4 0	2°55'39	3♌12	18°14	0♓ 2	11°17	14°51	0°19	13°58	20°25	2°43	24° 1	24°22	14° 6	13°33	T 24
F 25	12 7 57	3°54'54	17°29	17°47	0°14	11°52	14°53	0°26	13°59	20°23	2°44	23°56	24°19	14°13	13°35	F 25
S 26	12 11 53	4°54'06	1♍46	17°26	0°28	12°27	14°56	0°32	14° 1	20°21	2°45	23°48	24°16	14°19	13°37	S 26
S 27	12 15 50	5°53'16	15°58	17°10	0°44	13° 2	14°59	0°38	14° 3	20°20	2°46	23°38	24°13	14°26	13°39	S 27
M28	12 19 46	6°52'24	29°59	17° 0	1° 2	13°38	15° 2	0°45	14° 5	20°18	2°47	23°26	24°10	14°33	13°41	M28
T 29	12 23 43	7°51'30	13♎46	16°D55	1°21	14°13	15° 5	0°51	14° 6	20°17	2°49	23°14	24° 7	14°39	13°43	T 29
W30	12 27 39	8°50'34	27°13	16°56	1°43	14°48	15° 9	0°57	14° 8	20°15	2°50	23° 3	24° 3	14°46	13°45	W30
T 31	12 31 36	9♈49'36	10♏19	17♓ 3	2♓ 7	15♊23	15♋12	1♓ 4	14♊10	20♍14	2♉51	22♊55	24♊ 0	14♑52	13♑47	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s49	2n20	4n58	1n 7	2n 7	1s11	8n47	21n15	1n31	23n 7	0n27	13s34	1s21	22n32	0n 4	4n44	1n17	2s54	16s 9	23n26	23n25	24s24	16s34	6n22
W 2	7 26	3s16	4 38	1 36	2 20	1 26	8 45	21 23	1 31	23 7	0 27	13 32	1 21	22 32	0 4	4 45	1 17	2 54	16 9	23 26	23 25	24 24	16 34	6 23
T 3	7 3	8 33	4 3	2 1	2 33	1 41	8 42	21 30	1 31	23 7	0 27	13 29	1 21	22 32	0 4	4 45	1 17	2 53	16 9	23 26	23 25	24 25	16 33	6 23
F 4	6 40	13 18	3 17	2 22	2 45	1 57	8 38	21 38	1 31	23 8	0 27	13 27	1 21	22 32	0 4	4 46	1 17	2 52	16 9	23 25	23 25	24 25	16 32	6 24
S 5	6 17	17 22	2 23	2 38	2 56	2 13	8 34	21 45	1 31	23 8	0 27	13 25	1 21	22 32	0 4	4 47	1 17	2 52	16 8	23 25	23 25	24 25	16 31	6 24
S 6	5 54	20 36	1 23	2 50	3 7	2 29	8 28	21 52	1 31	23 8	0 27	13 22	1 21	22 33	0 4	4 47	1 17	2 51	16 8	23 25	23 24	24 25	16 30	6 25
M 7	5 31	22 53	0 21	2 57	3 16	2 45	8 22	22 0	1 31	23 8	0 27	13 20	1 21	22 33	0 4	4 48	1 17	2 51	16 8	23 25	23 24	24 25	16 29	6 25
T 8	5 8	24 8	0s41	3 0	3 23	3 1	8 15	22 7	1 31	23 8	0 27	13 17	1 21	22 33	0 4	4 49	1 17	2 50	16 8	23 25	23 24	24 26	16 29	6 26
W 9	4 44	24 18	1 42	2 57	3 29	3 17	8 8	22 13	1 31	23 8	0 27	13 15	1 22	22 33	0 4	4 49	1 17	2 50	16 7	23 25	23 24	24 26	16 28	6 26
T 10	4 21	23 21	2 38	2 51	3 33	3 33	7 59	22 20	1 31	23 8	0 27	13 13	1 22	22 33	0 4	4 50	1 17	2 49	16 7	23 25	23 24	24 26	16 27	6 27
F 11	3 57	21 21	3 28	2 40	3 36	3 48	7 51	22 27	1 32	23 8	0 27	13 10	1 22	22 33	0 4	4 51	1 17	2 49	16 7	23 25	23 24	24 26	16 26	6 27
S 12	3 34	18 21	4 9	2 24	3 36	4 4	7 41	22 33	1 32	23 8	0 27	13 8	1 22	22 33	0 4	4 51	1 17	2 48	16 7	23 25	23 24	24 27	16 25	6 28
S 13	3 10	14 29	4 40	2 5	3 35	4 19	7 32	22 40	1 32	23 8	0 27	13 6	1 22	22 33	0 4	4 52	1 17	2 47	16 6	23 24	23 24	24 27	16 24	6 28
M14	2 47	9 56	4 57	1 43	3 32	4 33	7 21	22 46	1 32	23 8	0 27	13 3	1 22	22 34	0 4	4 53	1 17	2 47	16 6	23 24	23 24	24 27	16 24	6 29
T 15	2 23	4 50	4 59	1 17	3 27	4 47	7 11	22 52	1 32	23 8	0 27	13 1	1 22	22 34	0 4	4 53	1 17	2 46	16 6	23 23	23 23	24 27	16 23	6 29
W16	1 59	0n33	4 46	0 50	3 20	5 0	7 0	22 58	1 32	23 8	0 27	12 59	1 22	22 34	0 4	4 54	1 17	2 46	16 6	23 23	23 23	24 27	16 22	6 30
T 17	1 36	6 1	4 17	0 20	3 11	5 13	6 49	23 4	1 32	23 8	0 27	12 57	1 22	22 34	0 4	4 55	1 17	2 45	16 5	23 22	23 23	24 27	16 21	6 30
F 18	1 12	11 16	3 33	0s11	3 1	5 25	6 37	23 10	1 32	23 8	0 27	12 54	1 23	22 34	0 4	4 55	1 17	2 45	16 5	23 22	23 23	24 28	16 20	6 31
S 19	0 48	16 3	2 36	0 42	2 49	5 36	6 26	23 16	1 32	23 8	0 27	12 52	1 23	22 34	0 4	4 56	1 17	2 44	16 5	23 22	23 23	24 28	16 20	6 32
S 20	0 25	20 1	1 30	1 13	2 37	5 47	6 14	23 21	1 32	23 8	0 27	12 50	1 23	22 34	0 4	4 56	1 17	2 43	16 5	23 21	23 23	24 28	16 19	6 32
M21	0 1	22 52	0 18	1 44	2 23	5 57	6 3	23 26	1 32	23 8	0 27	12 48	1 23	22 35	0 4	4 57	1 17	2 43	16 5	23 21	23 23	24 28	16 18	6 33
T 22	0n23	24 21	0n56	2 14	2 8	6 6	5 51	23 32	1 32	23 7	0 27	12 45	1 23	22 35	0 4	4 58	1 17	2 42	16 4	23 21	23 22	24 28	16 17	6 33
W23	0 46	24 15	2 8	2 43	1 53	6 15	5 39	23 37	1 32	23 7	0 27	12 43	1 23	22 35	0 4	4 58	1 17	2 42	16 4	23 21	23 22	24 28	16 16	6 34
T 24	1 10	22 35	3 11	3 10	1 38	6 23	5 27	23 42	1 32	23 7	0 27	12 41	1 23	22 35	0 4	4 59	1 17	2 41	16 4	23 21	23 22	24 28	16 15	6 34
F 25	1 34	19 29	4 3	3 35	1 22	6 30	5 15	23 46	1 32	23 7	0 28	12 39	1 23	22 35	0 4	5 0	1 17	2 41	16 4	23 21	23 22	24 29	16 15	6 35
S 26	1 57	15 13	4 39	3 58	1 6	6 36	5 3	23 51	1 32	23 6	0 28	12 37	1 24	22 36	0 4	5 0	1 17	2 40	16 4	23 21	23 22	24 29	16 14	6 36
S 27	2 21	10 7	4 58	4 18	0 51	6 41	4 52	23 56	1 32	23 6	0 28	12 34	1 24	22 36	0 4	5 1	1 17	2 39	16 4	23 20	23 22	24 29	16 13	6 36
M28	2 44	4 34	4 59	4 36	0 35	6 46	4 40	24 0	1 32	23 6	0 28	12 32	1 24	22 36	0 4	5 2	1 17	2 39	16 3	23 20	23 22	24 29	16 12	6 37
T 29	3 7	1s 6	4 42	4 52	0 20	6 50	4 28	24 4	1 31	23 6	0 28	12 30	1 24	22 36	0 4	5 2	1 17	2 38	16 3	23 19	23 22	24 29	16 11	6 37
W30	3 31	6 37	4 10	5 5	0 6	6 53	4 17	24 8	1 31	23 5	0 28	12 28	1 24	22 37	0 4	5 3	1 17	2 38	16 3	23 18	23 21	24 29	16 11	6 38
T 31	3n54	11s42	3n25	5s15	0s 9	6s55	4n 6	24n12	1n31	23n 5	0n28	12s26	1s24	22n37	0n 4	5n 3	1n17	2s37	16s 3	23n18	23n21	24s29	16s10	6n39

Julian Day Number = 2309524.5, Delta T = 75.40 sec
Ecliptic obliquity = 23°29'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'48, Lahiri = 18°25'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

APRIL 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 35 33	10♈48'36	23♏ 4	17♓15	2♓32	15♊58	15♋16	1♓10	14♊12	20°R12	2♉52	22°R48	23♊57	14♑59	13♑49	F 1
S 2	12 39 29	11°47'35	5♐29	17°31	2°59	16°34	15°20	1°16	14°14	20♍10	2°54	22♊45	23°54	15° 6	13°50	S 2
S 3	12 43 26	12°46'31	17°38	17°53	3°27	17° 9	15°24	1°22	14°16	20° 9	2°55	22°D44	23°51	15°12	13°52	S 3
M 4	12 47 22	13°45'26	29°35	18°19	3°57	17°44	15°28	1°28	14°18	20° 7	2°56	22°44	23°47	15°19	13°53	M 4
T 5	12 51 19	14°44'19	11♑25	18°50	4°29	18°20	15°33	1°34	14°20	20° 6	2°58	22°R44	23°44	15°26	13°55	T 5
W 6	12 55 15	15°43'10	23°14	19°25	5° 2	18°55	15°38	1°40	14°23	20° 4	2°59	22°44	23°41	15°32	13°56	W 6
T 7	12 59 12	16°41'59	5♒ 7	20° 4	5°36	19°31	15°42	1°46	14°25	20° 3	3° 0	22°42	23°38	15°39	13°57	T 7
F 8	13 3 8	17°40'47	17° 9	20°46	6°11	20° 6	15°47	1°52	14°27	20° 2	3° 2	22°38	23°35	15°46	13°59	F 8
S 9	13 7 5	18°39'33	29°24	21°32	6°48	20°42	15°52	1°57	14°29	20° 0	3° 3	22°32	23°32	15°52	14° 0	S 9
S 10	13 11 2	19°38'17	11♓56	22°22	7°26	21°17	15°58	2° 3	14°32	19°59	3° 4	22°23	23°28	15°59	14° 1	S 10
M11	13 14 58	20°36'59	24°48	23°15	8° 5	21°53	16° 3	2° 9	14°34	19°57	3° 6	22°13	23°25	16° 6	14° 2	M11
T 12	13 18 55	21°35'40	7♈58	24°11	8°46	22°29	16° 9	2°14	14°37	19°56	3° 7	22° 2	23°22	16°12	14° 2	T 12
W13	13 22 51	22°34'18	21°27	25°10	9°27	23° 4	16°15	2°20	14°39	19°55	3° 8	21°52	23°19	16°19	14° 3	W13
T 14	13 26 48	23°32'55	5♉12	26°11	10° 9	23°40	16°20	2°25	14°42	19°53	3°10	21°44	23°16	16°26	14° 4	T 14
F 15	13 30 44	24°31'29	19° 9	27°16	10°53	24°16	16°26	2°31	14°44	19°52	3°11	21°37	23°12	16°32	14° 4	F 15
S 16	13 34 41	25°30'02	3♊14	28°23	11°37	24°51	16°33	2°36	14°47	19°51	3°12	21°34	23° 9	16°39	14° 5	S 16
S 17	13 38 37	26°28'32	17°25	29°32	12°22	25°27	16°39	2°41	14°49	19°49	3°14	21°D32	23° 6	16°46	14° 5	S 17
M18	13 42 34	27°27'01	1♋36	0♈44	13° 8	26° 3	16°46	2°47	14°52	19°48	3°15	21°32	23° 3	16°52	14° 6	M18
T 19	13 46 31	28°25'27	15°48	1°58	13°55	26°39	16°52	2°52	14°55	19°47	3°16	21°33	23° 0	16°59	14° 6	T 19
W20	13 50 27	29°23'51	29°57	3°15	14°43	27°15	16°59	2°57	14°57	19°46	3°18	21°R34	22°57	17° 6	14° 6	W20
T 21	13 54 24	0♉22'13	14♌ 2	4°33	15°31	27°50	17° 6	3° 2	15° 0	19°45	3°19	21°33	22°53	17°12	14°R 6	T 21
F 22	13 58 20	1°20'33	28° 3	5°54	16°20	28°26	17°13	3° 7	15° 3	19°43	3°21	21°30	22°50	17°19	14° 6	F 22
S 23	14 2 17	2°18'51	11♍57	7°17	17°10	29° 2	17°20	3°12	15° 6	19°42	3°22	21°25	22°47	17°26	14° 6	S 23
S 24	14 6 13	3°17'06	25°42	8°42	18° 1	29°38	17°28	3°16	15° 8	19°41	3°23	21°18	22°44	17°32	14° 6	S 24
M25	14 10 10	4°15'20	9♎17	10° 9	18°52	0♋14	17°35	3°21	15°11	19°40	3°25	21°11	22°41	17°39	14° 6	M25
T 26	14 14 6	5°13'31	22°38	11°38	19°44	0°50	17°43	3°26	15°14	19°39	3°26	21° 3	22°38	17°46	14° 5	T 26
W27	14 18 3	6°11'41	5♏44	13° 9	20°36	1°26	17°50	3°30	15°17	19°38	3°27	20°56	22°34	17°52	14° 5	W27
T 28	14 22 0	7° 9'49	18°34	14°42	21°30	2° 2	17°58	3°35	15°20	19°37	3°29	20°50	22°31	17°59	14° 4	T 28
F 29	14 25 56	8° 7'56	1♐ 7	16°16	22°23	2°38	18° 6	3°39	15°23	19°36	3°30	20°46	22°28	18° 6	14° 4	F 29
S 30	14 29 53	9♑ 6'01	13♐26	17♈53	23♓17	3♋14	18♋14	3♓44	15♊26	19♍35	3♉32	20♊44	22♊25	18♑12	14♑ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n17	16s 9	2n31	5s23	0s22	6s57	3n54	24n16	1n31	23n 4	0n28	12s24	1s24	22n37	0n 4	5n 4	1n17	2s37	16s 3	23n18	23n21	24s29	16s 9	6n39
S 2	4 40	19 47	1 30	5 29	0 35	6 58	3 43	24 19	1 31	23 4	0 28	12 22	1 25	22 37	0 4	5 5	1 17	2 36	16 3	23 17	23 21	24 29	16 8	6 40
S 3	5 3	22 28	0 27	5 32	0 48	6 58	3 32	24 23	1 31	23 3	0 28	12 20	1 25	22 38	0 4	5 5	1 17	2 36	16 2	23 17	23 21	24 29	16 8	6 40
M 4	5 26	24 6	0s36	5 33	1 0	6 57	3 21	24 26	1 31	23 3	0 28	12 18	1 25	22 38	0 4	5 6	1 17	2 35	16 2	23 17	23 21	24 29	16 7	6 41
T 5	5 49	24 37	1 38	5 31	1 11	6 56	3 11	24 29	1 31	23 3	0 28	12 16	1 25	22 38	0 4	5 6	1 17	2 35	16 2	23 17	23 21	24 29	16 6	6 42
W 6	6 12	24 2	2 35	5 27	1 22	6 54	3 0	24 32	1 31	23 2	0 28	12 14	1 25	22 38	0 4	5 7	1 17	2 34	16 2	23 17	23 20	24 29	16 5	6 42
T 7	6 35	22 21	3 26	5 21	1 32	6 51	2 50	24 35	1 31	23 1	0 28	12 12	1 25	22 39	0 4	5 7	1 17	2 33	16 2	23 17	23 20	24 29	16 5	6 43
F 8	6 57	19 40	4 8	5 13	1 42	6 47	2 40	24 38	1 31	23 1	0 28	12 10	1 25	22 39	0 4	5 8	1 17	2 33	16 2	23 17	23 20	24 29	16 4	6 43
S 9	7 20	16 4	4 40	5 3	1 50	6 43	2 30	24 40	1 31	23 0	0 28	12 8	1 26	22 39	0 4	5 9	1 17	2 32	16 2	23 17	23 20	24 29	16 3	6 44
S 10	7 42	11 42	4 59	4 51	1 58	6 38	2 20	24 43	1 31	23 0	0 28	12 6	1 26	22 39	0 4	5 9	1 17	2 32	16 2	23 16	23 20	24 29	16 3	6 45
M11	8 4	6 43	5 4	4 37	2 6	6 32	2 10	24 45	1 30	22 59	0 28	12 4	1 26	22 40	0 4	5 10	1 17	2 31	16 2	23 16	23 20	24 29	16 2	6 45
T 12	8 26	1 19	4 52	4 21	2 13	6 26	2 1	24 47	1 30	22 58	0 28	12 2	1 26	22 40	0 4	5 10	1 17	2 31	16 2	23 15	23 19	24 29	16 1	6 46
W13	8 48	4n17	4 25	4 3	2 19	6 19	1 51	24 49	1 30	22 58	0 28	12 0	1 26	22 40	0 4	5 11	1 17	2 30	16 1	23 14	23 19	24 29	16 0	6 46
T 14	9 10	9 48	3 42	3 44	2 25	6 12	1 42	24 50	1 30	22 57	0 28	11 59	1 26	22 41	0 4	5 11	1 17	2 30	16 1	23 14	23 19	24 29	16 0	6 47
F 15	9 31	14 55	2 44	3 23	2 30	6 4	1 33	24 52	1 30	22 56	0 28	11 57	1 27	22 41	0 4	5 12	1 17	2 29	16 1	23 13	23 19	24 29	15 59	6 48
S 16	9 53	19 16	1 37	3 0	2 34	5 55	1 25	24 53	1 30	22 56	0 28	11 55	1 27	22 41	0 4	5 12	1 17	2 29	16 1	23 13	23 19	24 29	15 58	6 48
S 17	10 14	22 32	0 22	2 36	2 38	5 46	1 16	24 55	1 30	22 55	0 28	11 53	1 27	22 41	0 4	5 13	1 17	2 28	16 1	23 13	23 19	24 29	15 58	6 49
M18	10 35	24 23	0n54	2 10	2 41	5 36	1 8	24 56	1 30	22 54	0 28	11 52	1 27	22 42	0 4	5 13	1 17	2 28	16 1	23 13	23 18	24 29	15 57	6 50
T 19	10 56	24 39	2 7	1 43	2 43	5 25	0 59	24 56	1 30	22 53	0 28	11 50	1 27	22 42	0 4	5 14	1 17	2 27	16 1	23 13	23 18	24 29	15 57	6 50
W20	11 17	23 19	3 11	1 14	2 45	5 15	0 51	24 57	1 29	22 52	0 28	11 48	1 27	22 42	0 4	5 14	1 17	2 27	16 1	23 13	23 18	24 29	15 56	6 51
T 21	11 38	20 33	4 4	0 44	2 47	5 3	0 44	24 58	1 29	22 52	0 28	11 47	1 28	22 43	0 4	5 15	1 17	2 26	16 1	23 13	23 18	24 29	15 55	6 51
F 22	11 58	16 35	4 42	0 13	2 47	4 51	0 36	24 58	1 29	22 51	0 28	11 45	1 28	22 43	0 4	5 15	1 16	2 26	16 1	23 13	23 18	24 29	15 55	6 52
S 23	12 18	11 46	5 3	0n20	2 48	4 38	0 28	24 58	1 29	22 50	0 28	11 43	1 28	22 43	0 4	5 15	1 16	2 26	16 1	23 13	23 18	24 29	15 54	6 53
S 24	12 38	6 24	5 6	0 54	2 47	4 25	0 21	24 58	1 29	22 49	0 28	11 42	1 28	22 44	0 4	5 16	1 16	2 25	16 1	23 12	23 17	24 29	15 54	6 53
M25	12 58	0 48	4 52	1 29	2 46	4 12	0 14	24 58	1 29	22 48	0 28	11 40	1 28	22 44	0 4	5 16	1 16	2 25	16 1	23 12	23 17	24 29	15 53	6 54
T 26	13 17	4s46	4 22	2 5	2 45	3 58	0 7	24 58	1 29	22 47	0 28	11 39	1 29	22 44	0 4	5 17	1 16	2 24	16 1	23 11	23 17	24 29	15 52	6 54
W27	13 37	10 1	3 39	2 42	2 43	3 44	0 0	24 57	1 29	22 46	0 28	11 37	1 29	22 45	0 4	5 17	1 16	2 24	16 1	23 11	23 17	24 29	15 52	6 55
T 28	13 56	14 44	2 45	3 21	2 40	3 29	0s 6	24 57	1 28	22 45	0 28	11 36	1 29	22 45	0 4	5 17	1 16	2 23	16 1	23 10	23 17	24 29	15 51	6 56
F 29	14 15	18 44	1 44	4 0	2 37	3 13	0 13	24 56	1 28	22 44	0 28	11 34	1 29	22 45	0 4	5 18	1 16	2 23	16 1	23 10	23 17	24 28	15 51	6 56
S 30	14n34	21s48	0n40	4n40	2s33	2s58	0s19	24n55	1n28	22n43	0n28	11s33	1s29	22n46	0n 4	5n18	1n16	2s22	16s 1	23n10	23n16	24s28	15s50	6n57

Julian Day Number = 2309555.5, Delta T = 75.31 sec
Ecliptic obliquity = 23°29'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'53, Lahiri = 18°25'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

MAY 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 33 49	10♉ 4'04	25♐32	19♈32	24♓12	3♋50	18♋22	3♓48	15♊29	19°R34	3♉33	20°D44	22♊22	18♑19	14°R 2	S 1
M 2	14 37 46	11° 2'06	7♑28	21°12	25° 7	4°26	18°31	3°52	15°32	19♍33	3°34	20♊45	22°18	18°26	14♑ 2	M 2
T 3	14 41 42	12° 0'07	19°18	22°55	26° 3	5° 2	18°39	3°56	15°35	19°32	3°36	20°47	22°15	18°32	14° 1	T 3
W 4	14 45 39	12°58'06	1♒ 8	24°39	27° 0	5°38	18°48	4° 0	15°38	19°31	3°37	20°48	22°12	18°39	14° 0	W 4
T 5	14 49 35	13°56'04	13° 1	26°26	27°56	6°15	18°57	4° 4	15°42	19°31	3°38	20°R49	22° 9	18°45	13°59	T 5
F 6	14 53 32	14°54'00	25° 4	28°14	28°53	6°51	19° 5	4° 8	15°45	19°30	3°40	20°48	22° 6	18°52	13°58	F 6
S 7	14 57 29	15°51'55	7♓20	0♉ 4	29°51	7°27	19°14	4°12	15°48	19°29	3°41	20°46	22° 3	18°59	13°56	S 7
S 8	15 1 25	16°49'49	19°55	1°57	0♈49	8° 3	19°23	4°16	15°51	19°28	3°42	20°43	21°59	19° 5	13°55	S 8
M 9	15 5 22	17°47'41	2♈51	3°51	1°47	8°39	19°33	4°20	15°54	19°28	3°44	20°38	21°56	19°12	13°54	M 9
T 10	15 9 18	18°45'33	16° 9	5°47	2°46	9°16	19°42	4°23	15°58	19°27	3°45	20°33	21°53	19°19	13°52	T 10
W11	15 13 15	19°43'23	29°51	7°45	3°45	9°52	19°51	4°27	16° 1	19°26	3°46	20°29	21°50	19°25	13°51	W11
T 12	15 17 11	20°41'11	13♉53	9°45	4°45	10°28	20° 1	4°30	16° 4	19°26	3°48	20°24	21°47	19°32	13°49	T 12
F 13	15 21 8	21°38'59	28°13	11°46	5°45	11° 4	20°10	4°33	16° 7	19°25	3°49	20°22	21°44	19°39	13°48	F 13
S 14	15 25 4	22°36'45	12♊43	13°49	6°45	11°41	20°20	4°37	16°11	19°24	3°50	20°20	21°40	19°45	13°46	S 14
S 15	15 29 1	23°34'29	27°19	15°54	7°45	12°17	20°30	4°40	16°14	19°24	3°52	20°D20	21°37	19°52	13°44	S 15
M16	15 32 58	24°32'12	11♋55	18° 1	8°46	12°53	20°40	4°43	16°18	19°23	3°53	20°21	21°34	19°59	13°42	M16
T 17	15 36 54	25°29'54	26°25	20° 9	9°47	13°30	20°50	4°46	16°21	19°23	3°54	20°23	21°31	20° 5	13°40	T 17
W18	15 40 51	26°27'34	10♌45	22°18	10°49	14° 6	21° 0	4°49	16°24	19°23	3°56	20°24	21°28	20°12	13°38	W18
T 19	15 44 47	27°25'12	24°54	24°28	11°50	14°43	21°10	4°51	16°28	19°22	3°57	20°R24	21°24	20°19	13°36	T 19
F 20	15 48 44	28°22'49	8♍49	26°39	12°52	15°19	21°20	4°54	16°31	19°22	3°58	20°24	21°21	20°25	13°34	F 20
S 21	15 52 40	29°20'24	22°30	28°50	13°54	15°56	21°30	4°57	16°35	19°21	3°59	20°23	21°18	20°32	13°32	S 21
S 22	15 56 37	0♊17'57	5♎56	1♊ 2	14°57	16°32	21°41	4°59	16°38	19°21	4° 1	20°21	21°15	20°39	13°30	S 22
M23	16 0 33	1°15'30	19° 8	3°14	15°59	17° 8	21°51	5° 2	16°41	19°21	4° 2	20°18	21°12	20°45	13°27	M23
T 24	16 4 30	2°13'00	2♏ 5	5°25	17° 2	17°45	22° 2	5° 4	16°45	19°21	4° 3	20°15	21° 9	20°52	13°25	T 24
W25	16 8 27	3°10'30	14°49	7°37	18° 5	18°21	22°12	5° 6	16°48	19°20	4° 4	20°13	21° 5	20°59	13°22	W25
T 26	16 12 23	4° 7'59	27°20	9°47	19° 9	18°58	22°23	5° 8	16°52	19°20	4° 5	20°11	21° 2	21° 5	13°20	T 26
F 27	16 16 20	5° 5'26	9♐39	11°56	20°12	19°34	22°34	5°10	16°55	19°20	4° 7	20°10	20°59	21°12	13°17	F 27
S 28	16 20 16	6° 2'53	21°47	14° 5	21°16	20°11	22°45	5°12	16°59	19°20	4° 8	20°D10	20°56	21°19	13°15	S 28
S 29	16 24 13	7° 0'19	3♑46	16°11	22°20	20°48	22°56	5°14	17° 2	19°20	4° 9	20°10	20°53	21°25	13°12	S 29
M30	16 28 9	7°57'44	15°39	18°16	23°25	21°24	23° 7	5°16	17° 6	19°20	4°10	20°11	20°50	21°32	13° 9	M30
T 31	16 32 6	8♊55'08	27♑29	20♊19	24♈29	22♋ 1	23♋18	5♓17	17♊10	19°D20	4♉11	20♊12	20♊46	21♑39	13♑ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n52	23s51	0s26	5n22	2s29	2s42	0s25	24n54	1n28	22n42	0n28	11s31	1s30	22n46	0n 4	5n18	1n16	2s22	16s 1	23n10	23n16	24s28	15s50	6n57
M 2	15 10	24 46	1 30	6 4	2 24	2 25	0 31	24 53	1 28	22 41	0 28	11 30	1 30	22 46	0 4	5 19	1 16	2 22	16 1	23 10	23 16	24 28	15 49	6 58
T 3	15 28	24 34	2 29	6 47	2 19	2 8	0 37	24 51	1 28	22 39	0 28	11 29	1 30	22 47	0 4	5 19	1 16	2 21	16 1	23 10	23 16	24 28	15 49	6 59
W 4	15 46	23 14	3 22	7 31	2 13	1 51	0 43	24 50	1 27	22 38	0 28	11 27	1 30	22 47	0 4	5 19	1 16	2 21	16 1	23 10	23 16	24 28	15 48	6 59
T 5	16 3	20 53	4 7	8 15	2 7	1 33	0 48	24 48	1 27	22 37	0 28	11 26	1 30	22 47	0 4	5 20	1 16	2 20	16 1	23 10	23 15	24 28	15 48	7 0
F 6	16 20	17 36	4 41	9 0	2 0	1 15	0 53	24 46	1 27	22 36	0 28	11 25	1 31	22 48	0 4	5 20	1 16	2 20	16 1	23 10	23 15	24 28	15 47	7 0
S 7	16 37	13 31	5 4	9 46	1 53	0 57	0 58	24 44	1 27	22 35	0 29	11 24	1 31	22 48	0 4	5 20	1 16	2 20	16 1	23 10	23 15	24 27	15 47	7 1
S 8	16 54	8 47	5 12	10 32	1 45	0 39	1 3	24 41	1 27	22 33	0 29	11 23	1 31	22 48	0 4	5 21	1 16	2 19	16 1	23 10	23 15	24 27	15 46	7 1
M 9	17 10	3 32	5 5	11 19	1 37	0 20	1 8	24 39	1 27	22 32	0 29	11 21	1 31	22 49	0 4	5 21	1 16	2 19	16 1	23 10	23 15	24 27	15 46	7 2
T 10	17 26	2n 2	4 42	12 5	1 28	0 1	1 13	24 36	1 26	22 31	0 29	11 20	1 31	22 49	0 4	5 21	1 16	2 18	16 1	23 9	23 14	24 27	15 46	7 2
W11	17 42	7 40	4 2	12 52	1 19	0n19	1 17	24 33	1 26	22 29	0 29	11 19	1 32	22 49	0 4	5 21	1 16	2 18	16 1	23 9	23 14	24 27	15 45	7 3
T 12	17 58	13 4	3 7	13 40	1 10	0 39	1 22	24 30	1 26	22 28	0 29	11 18	1 32	22 50	0 4	5 22	1 16	2 18	16 1	23 9	23 14	24 26	15 45	7 4
F 13	18 13	17 53	1 58	14 27	1 0	0 59	1 26	24 27	1 26	22 27	0 29	11 17	1 32	22 50	0 4	5 22	1 16	2 17	16 1	23 8	23 14	24 26	15 44	7 4
S 14	18 28	21 41	0 42	15 13	0 50	1 19	1 30	24 24	1 26	22 25	0 29	11 16	1 32	22 50	0 4	5 22	1 16	2 17	16 2	23 8	23 14	24 26	15 44	7 5
S 15	18 42	24 6	0n38	16 0	0 40	1 39	1 34	24 20	1 25	22 24	0 29	11 15	1 32	22 51	0 4	5 22	1 16	2 17	16 2	23 8	23 13	24 26	15 44	7 5
M16	18 57	24 53	1 56	16 45	0 30	2 0	1 37	24 17	1 25	22 22	0 29	11 14	1 33	22 51	0 4	5 22	1 16	2 16	16 2	23 8	23 13	24 26	15 43	7 6
T 17	19 11	23 57	3 6	17 31	0 19	2 20	1 41	24 13	1 25	22 21	0 29	11 13	1 33	22 51	0 4	5 22	1 16	2 16	16 2	23 8	23 13	24 25	15 43	7 6
W18	19 24	21 28	4 3	18 15	0 9	2 41	1 44	24 9	1 25	22 19	0 29	11 13	1 33	22 52	0 4	5 23	1 16	2 16	16 2	23 8	23 13	24 25	15 43	7 7
T 19	19 38	17 43	4 44	18 57	0n 2	3 2	1 47	24 5	1 25	22 18	0 29	11 12	1 33	22 52	0 4	5 23	1 16	2 15	16 2	23 9	23 13	24 25	15 43	7 7
F 20	19 50	13 2	5 9	19 39	0 13	3 24	1 51	24 0	1 24	22 16	0 29	11 11	1 33	22 53	0 4	5 23	1 16	2 15	16 2	23 9	23 12	24 25	15 42	7 8
S 21	20 3	7 48	5 15	20 19	0 23	3 45	1 53	23 56	1 24	22 15	0 29	11 10	1 34	22 53	0 4	5 23	1 16	2 15	16 2	23 8	23 12	24 24	15 42	7 8
S 22	20 15	2 17	5 3	20 57	0 33	4 7	1 56	23 51	1 24	22 13	0 29	11 10	1 34	22 53	0 4	5 23	1 16	2 15	16 2	23 8	23 12	24 24	15 42	7 9
M23	20 27	3s15	4 36	21 33	0 43	4 28	1 59	23 46	1 24	22 11	0 29	11 9	1 34	22 54	0 4	5 23	1 16	2 14	16 2	23 8	23 12	24 24	15 41	7 9
T 24	20 39	8 32	3 55	22 7	0 53	4 50	2 2	23 41	1 24	22 10	0 29	11 8	1 34	22 54	0 4	5 23	1 16	2 14	16 3	23 8	23 12	24 24	15 41	7 10
W25	20 50	13 24	3 3	22 39	1 2	5 12	2 4	23 36	1 23	22 8	0 29	11 8	1 35	22 54	0 4	5 23	1 16	2 14	16 3	23 8	23 11	24 23	15 41	7 10
T 26	21 1	17 37	2 3	23 8	1 11	5 34	2 6	23 31	1 23	22 6	0 29	11 7	1 35	22 55	0 4	5 23	1 16	2 14	16 3	23 8	23 11	24 23	15 41	7 10
F 27	21 12	20 59	0 58	23 34	1 19	5 56	2 8	23 26	1 23	22 5	0 29	11 6	1 35	22 55	0 4	5 23	1 16	2 13	16 3	23 7	23 11	24 23	15 41	7 11
S 28	21 22	23 23	0s 9	23 58	1 27	6 18	2 10	23 20	1 23	22 3	0 29	11 6	1 35	22 55	0 4	5 23	1 15	2 13	16 3	23 7	23 11	24 22	15 40	7 11
S 29	21 32	24 41	1 15	24 19	1 34	6 40	2 12	23 14	1 22	22 1	0 29	11 6	1 35	22 56	0 4	5 23	1 15	2 13	16 3	23 8	23 11	24 22	15 40	7 12
M30	21 41	24 50	2 17	24 38	1 40	7 2	2 14	23 8	1 22	21 59	0 29	11 5	1 36	22 56	0 4	5 23	1 15	2 13	16 4	23 8	23 10	24 22	15 40	7 12
T 31	21n50	23s51	3s12	24n53	1n45	7n24	2s16	23n 2	1n22	21n57	0n29	11s 5	1s36	22n56	0n 4	5n23	1n15	2s12	16s 4	23n 8	23n10	24s21	15s40	7n13

Julian Day Number = 2309585.5, Delta T = 75.22 sec
Ecliptic obliquity = 23°29'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°18'57, Lahiri = 18°25'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

JUNE 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 36 2	9♊52'31	9♒18	22♊21	25♈34	22♋37	23♋29	5♓19	17♊13	19♍20	4♉13	20♊13	20♊43	21♑45	13°R 4	W 1
T 2	16 39 59	10°49'54	21°12	24°20	26°39	23°14	23°41	5°20	17°17	19°20	4°14	20°14	20°40	21°52	13♑ 1	T 2
F 3	16 43 56	11°47'16	3♓15	26°16	27°44	23°51	23°52	5°22	17°20	19°20	4°15	20°15	20°37	21°59	12°58	F 3
S 4	16 47 52	12°44'37	15°30	28°11	28°49	24°27	24° 3	5°23	17°24	19°20	4°16	20°R15	20°34	22° 5	12°55	S 4
S 5	16 51 49	13°41'58	28° 3	0♋ 3	29°54	25° 4	24°15	5°24	17°27	19°20	4°17	20°15	20°30	22°12	12°52	S 5
M 6	16 55 45	14°39'18	10♈57	1°53	1♉ 0	25°41	24°26	5°25	17°31	19°20	4°18	20°14	20°27	22°19	12°49	M 6
T 7	16 59 42	15°36'38	24°15	3°40	2° 5	26°17	24°38	5°26	17°34	19°20	4°19	20°14	20°24	22°25	12°45	T 7
W 8	17 3 38	16°33'58	7♉59	5°25	3°11	26°54	24°50	5°27	17°38	19°21	4°20	20°13	20°21	22°32	12°42	W 8
T 9	17 7 35	17°31'17	22° 8	7° 8	4°17	27°31	25° 2	5°28	17°42	19°21	4°21	20°13	20°18	22°39	12°39	T 9
F 10	17 11 31	18°28'36	6♊39	8°48	5°24	28° 8	25°13	5°29	17°45	19°21	4°22	20°13	20°15	22°45	12°36	F 10
S 11	17 15 28	19°25'54	21°26	10°25	6°30	28°44	25°25	5°29	17°49	19°22	4°23	20°D13	20°11	22°52	12°32	S 11
S 12	17 19 25	20°23'12	6♋24	12° 0	7°36	29°21	25°37	5°30	17°52	19°22	4°24	20°R13	20° 8	22°59	12°29	S 12
M13	17 23 21	21°20'29	21°23	13°32	8°43	29°58	25°49	5°30	17°56	19°22	4°25	20°13	20° 5	23° 5	12°26	M13
T 14	17 27 18	22°17'45	6♌15	15° 2	9°50	0♌35	26° 1	5°30	17°59	19°23	4°26	20°12	20° 2	23°12	12°22	T 14
W15	17 31 14	23°15'01	20°54	16°29	10°56	1°12	26°13	5°31	18° 3	19°23	4°27	20°12	19°59	23°19	12°19	W15
T 16	17 35 11	24°12'16	5♍15	17°53	12° 3	1°49	26°25	5°R31	18° 7	19°24	4°28	20°12	19°56	23°25	12°15	T 16
F 17	17 39 7	25° 9'30	19°14	19°15	13°11	2°25	26°38	5°31	18°10	19°24	4°29	20°D12	19°52	23°32	12°12	F 17
S 18	17 43 4	26° 6'43	2♎52	20°34	14°18	3° 2	26°50	5°30	18°14	19°25	4°30	20°12	19°49	23°39	12° 8	S 18
S 19	17 47 1	27° 3'56	16° 8	21°51	15°25	3°39	27° 2	5°30	18°17	19°25	4°31	20°12	19°46	23°45	12° 5	S 19
M20	17 50 57	28° 1'08	29° 6	23° 4	16°33	4°16	27°14	5°30	18°21	19°26	4°32	20°13	19°43	23°52	12° 1	M20
T 21	17 54 54	28°58'20	11♏46	24°15	17°40	4°53	27°27	5°30	18°24	19°27	4°33	20°13	19°40	23°59	11°58	T 21
W22	17 58 50	29°55'31	24°13	25°23	18°48	5°30	27°39	5°29	18°28	19°27	4°34	20°14	19°36	24° 5	11°54	W22
T 23	18 2 47	0♋52'42	6♐27	26°28	19°56	6° 7	27°52	5°28	18°31	19°28	4°35	20°15	19°33	24°12	11°50	T 23
F 24	18 6 43	1°49'53	18°32	27°29	21° 4	6°44	28° 4	5°28	18°35	19°29	4°35	20°R15	19°30	24°19	11°47	F 24
S 25	18 10 40	2°47'03	0♑31	28°28	22°12	7°21	28°17	5°27	18°38	19°30	4°36	20°15	19°27	24°25	11°43	S 25
S 26	18 14 36	3°44'14	12°24	29°23	23°20	7°58	28°29	5°26	18°42	19°30	4°37	20°14	19°24	24°32	11°39	S 26
M27	18 18 33	4°41'24	24°14	0♌15	24°28	8°35	28°42	5°25	18°45	19°31	4°38	20°13	19°21	24°39	11°35	M27
T 28	18 22 30	5°38'34	6♒ 3	1° 4	25°36	9°12	28°55	5°24	18°49	19°32	4°39	20°11	19°17	24°45	11°32	T 28
W29	18 26 26	6°35'45	17°55	1°49	26°45	9°49	29° 7	5°23	18°52	19°33	4°39	20° 8	19°14	24°52	11°28	W29
T 30	18 30 23	7♋32'55	29♒50	2♌30	27♉54	10♌26	29♋20	5♓21	18♊56	19♍34	4♉40	20♊ 6	19♊11	24♑59	11♑24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n59	21s49	4s 0	25n 6	1n50	7n47	2s17	22n56	1n22	21n55	0n29	11s 4	1s36	22n57	0n 4	5n23	1n15	2s12	16s 4	23n 8	23n10	24s21	15s40	7n13
T 2	22 7	18 50	4 38	25 17	1 55	8 9	2 18	22 50	1 22	21 53	0 29	11 4	1 36	22 57	0 4	5 23	1 15	2 12	16 4	23 8	23 10	24 21	15 40	7 13
F 3	22 15	15 3	5 3	25 24	1 58	8 31	2 20	22 43	1 21	21 52	0 29	11 4	1 37	22 57	0 4	5 23	1 15	2 12	16 4	23 8	23 9	24 20	15 40	7 14
S 4	22 22	10 35	5 16	25 29	2 1	8 53	2 21	22 36	1 21	21 50	0 29	11 3	1 37	22 58	0 4	5 23	1 15	2 12	16 4	23 8	23 9	24 20	15 40	7 14
S 5	22 30	5 35	5 14	25 32	2 3	9 15	2 22	22 29	1 21	21 48	0 29	11 3	1 37	22 58	0 4	5 23	1 15	2 11	16 5	23 8	23 9	24 20	15 39	7 14
M 6	22 36	0 13	4 57	25 32	2 4	9 37	2 22	22 22	1 21	21 46	0 29	11 3	1 37	22 58	0 4	5 23	1 15	2 11	16 5	23 8	23 9	24 19	15 39	7 15
T 7	22 43	5n20	4 23	25 31	2 4	9 59	2 23	22 15	1 20	21 44	0 30	11 3	1 38	22 59	0 4	5 23	1 15	2 11	16 5	23 8	23 9	24 19	15 39	7 15
W 8	22 49	10 50	3 34	25 27	2 4	10 21	2 24	22 8	1 20	21 42	0 30	11 3	1 38	22 59	0 4	5 23	1 15	2 11	16 5	23 8	23 8	24 19	15 39	7 16
T 9	22 54	15 56	2 30	25 21	2 3	10 43	2 24	22 0	1 20	21 39	0 30	11 3	1 38	23 0	0 4	5 23	1 15	2 11	16 5	23 8	23 8	24 18	15 39	7 16
F 10	22 59	20 14	1 15	25 13	2 1	11 4	2 25	21 53	1 20	21 37	0 30	11 3	1 38	23 0	0 4	5 22	1 15	2 11	16 6	23 8	23 8	24 18	15 39	7 16
S 11	23 4	23 20	0n 7	25 3	1 59	11 26	2 25	21 45	1 19	21 35	0 30	11 3	1 38	23 0	0 4	5 22	1 15	2 11	16 6	23 8	23 8	24 17	15 39	7 16
S 12	23 8	24 49	1 29	24 52	1 55	11 47	2 25	21 37	1 19	21 33	0 30	11 3	1 39	23 1	0 4	5 22	1 15	2 10	16 6	23 8	23 7	24 17	15 39	7 17
M13	23 12	24 30	2 45	24 39	1 51	12 9	2 25	21 29	1 19	21 31	0 30	11 3	1 39	23 1	0 4	5 22	1 15	2 10	16 6	23 8	23 7	24 17	15 39	7 17
T 14	23 16	22 26	3 49	24 25	1 47	12 30	2 25	21 21	1 19	21 29	0 30	11 3	1 39	23 1	0 4	5 22	1 15	2 10	16 6	23 8	23 7	24 16	15 39	7 17
W15	23 19	18 56	4 37	24 9	1 42	12 51	2 25	21 13	1 18	21 26	0 30	11 3	1 39	23 2	0 4	5 21	1 15	2 10	16 7	23 8	23 7	24 16	15 39	7 18
T 16	23 22	14 21	5 7	23 52	1 36	13 11	2 25	21 4	1 18	21 24	0 30	11 3	1 40	23 2	0 4	5 21	1 15	2 10	16 7	23 8	23 6	24 15	15 39	7 18
F 17	23 24	9 8	5 17	23 35	1 29	13 32	2 24	20 55	1 18	21 22	0 30	11 3	1 40	23 2	0 4	5 21	1 15	2 10	16 7	23 8	23 6	24 15	15 39	7 18
S 18	23 26	3 36	5 10	23 16	1 22	13 52	2 24	20 47	1 18	21 20	0 30	11 4	1 40	23 2	0 4	5 21	1 15	2 10	16 7	23 8	23 6	24 14	15 40	7 18
S 19	23 27	1s58	4 46	22 56	1 14	14 13	2 23	20 38	1 17	21 17	0 30	11 4	1 40	23 3	0 4	5 20	1 15	2 10	16 8	23 8	23 6	24 14	15 40	7 18
M20	23 29	7 19	4 7	22 36	1 6	14 32	2 23	20 29	1 17	21 15	0 30	11 4	1 41	23 3	0 4	5 20	1 15	2 10	16 8	23 8	23 5	24 14	15 40	7 19
T 21	23 29	12 16	3 18	22 15	0 57	14 52	2 22	20 20	1 17	21 12	0 30	11 5	1 41	23 3	0 5	5 20	1 15	2 10	16 8	23 8	23 5	24 13	15 40	7 19
W22	23 29	16 37	2 19	21 53	0 48	15 12	2 21	20 10	1 17	21 10	0 30	11 5	1 41	23 4	0 5	5 20	1 15	2 10	16 8	23 8	23 5	24 13	15 40	7 19
T 23	23 29	20 11	1 16	21 31	0 38	15 31	2 20	20 1	1 16	21 8	0 30	11 6	1 41	23 4	0 5	5 19	1 15	2 10	16 9	23 8	23 5	24 12	15 40	7 19
F 24	23 29	22 50	0 9	21 9	0 27	15 50	2 19	19 51	1 16	21 5	0 30	11 6	1 41	23 4	0 5	5 19	1 15	2 10	16 9	23 8	23 4	24 12	15 40	7 19
S 25	23 28	24 26	0s57	20 46	0 16	16 8	2 18	19 42	1 16	21 3	0 30	11 7	1 42	23 5	0 5	5 19	1 15	2 10	16 9	23 8	23 4	24 11	15 40	7 20
S 26	23 26	24 54	2 0	20 24	0 4	16 27	2 17	19 32	1 15	21 0	0 30	11 7	1 42	23 5	0 5	5 18	1 15	2 10	16 9	23 8	23 4	24 11	15 41	7 20
M27	23 24	24 13	2 57	20 1	0s 8	16 44	2 15	19 22	1 15	20 58	0 30	11 8	1 42	23 5	0 5	5 18	1 14	2 10	16 10	23 8	23 4	24 10	15 41	7 20
T 28	23 22	22 28	3 47	19 38	0 20	17 2	2 14	19 12	1 15	20 55	0 31	11 8	1 42	23 6	0 5	5 18	1 14	2 10	16 10	23 8	23 3	24 10	15 41	7 20
W29	23 20	19 44	4 27	19 16	0 33	17 19	2 12	19 1	1 15	20 53	0 31	11 9	1 43	23 6	0 5	5 17	1 14	2 10	16 10	23 7	23 3	24 9	15 41	7 20
T 30	23n16	16s10	4s56	18n53	0s46	17n36	2s11	18n51	1n14	20n50	0n31	11s10	1s43	23n 6	0n 5	5n17	1n14	2s10	16s10	23n 7	23n 3	24s 9	15s41	7n20

Julian Day Number = 2309616.5, Delta T = 75.13 sec
Ecliptic obliquity = 23°29'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'01, Lahiri = 18°26'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

JULY 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 34 19	8♋30'06	11♓54	3♌ 7	29♉ 2	11♌ 4	29♋33	5°R20	18♊59	19♍35	4♉41	20°R 3	19♊ 8	25♏ 5	11°R21	F 1
S 2	18 38 16	9°27'17	24° 9	3°40	0♊11	11°41	29°46	5♓19	19° 2	19°36	4°41	20♊ 2	19° 5	25°12	11♏17	S 2
S 3	18 42 12	10°24'29	6♈40	4°10	1°20	12°18	29°58	5°17	19° 6	19°37	4°42	20°D 1	19° 2	25°19	11°13	S 3
M 4	18 46 9	11°21'41	19°30	4°35	2°29	12°55	0♌11	5°15	19° 9	19°38	4°43	20° 1	18°58	25°25	11° 9	M 4
T 5	18 50 5	12°18'53	2♉42	4°55	3°38	13°32	0°24	5°14	19°13	19°39	4°43	20° 2	18°55	25°32	11° 6	T 5
W 6	18 54 2	13°16'06	16°20	5°11	4°47	14°10	0°37	5°12	19°16	19°40	4°44	20° 4	18°52	25°39	11° 2	W 6
T 7	18 57 59	14°13'19	0♊25	5°23	5°56	14°47	0°50	5°10	19°19	19°41	4°45	20° 5	18°49	25°46	10°58	T 7
F 8	19 1 55	15°10'33	14°54	5°30	7° 6	15°24	1° 3	5° 8	19°23	19°42	4°45	20°R 6	18°46	25°52	10°54	F 8
S 9	19 5 52	16° 7'48	29°46	5°R32	8°15	16° 1	1°16	5° 6	19°26	19°43	4°46	20° 6	18°42	25°59	10°51	S 9
S 10	19 9 48	17° 5'03	14♋52	5°29	9°25	16°39	1°29	5° 3	19°29	19°45	4°46	20° 4	18°39	26° 6	10°47	S 10
M11	19 13 45	18° 2'18	0♌ 5	5°21	10°34	17°16	1°42	5° 1	19°32	19°46	4°47	20° 1	18°36	26°12	10°43	M11
T 12	19 17 41	18°59'33	15°14	5° 9	11°44	17°53	1°55	4°59	19°36	19°47	4°47	19°58	18°33	26°19	10°39	T 12
W13	19 21 38	19°56'49	0♍10	4°52	12°54	18°31	2° 8	4°56	19°39	19°48	4°48	19°54	18°30	26°26	10°36	W13
T 14	19 25 34	20°54'05	14°45	4°30	14° 3	19° 8	2°21	4°54	19°42	19°50	4°48	19°50	18°27	26°32	10°32	T 14
F 15	19 29 31	21°51'21	28°55	4° 4	15°13	19°46	2°34	4°51	19°45	19°51	4°49	19°47	18°23	26°39	10°28	F 15
S 16	19 33 28	22°48'38	12♎37	3°35	16°23	20°23	2°48	4°48	19°48	19°52	4°49	19°45	18°20	26°46	10°25	S 16
S 17	19 37 24	23°45'54	25°53	3° 1	17°33	21° 0	3° 1	4°46	19°51	19°54	4°50	19°D45	18°17	26°52	10°21	S 17
M18	19 41 21	24°43'11	8♏45	2°24	18°44	21°38	3°14	4°43	19°54	19°55	4°50	19°45	18°14	26°59	10°18	M18
T 19	19 45 17	25°40'29	21°17	1°45	19°54	22°15	3°27	4°40	19°58	19°57	4°50	19°47	18°11	27° 6	10°14	T 19
W20	19 49 14	26°37'47	3♐33	1° 3	21° 4	22°53	3°40	4°37	20° 1	19°58	4°51	19°48	18° 8	27°12	10°11	W20
T 21	19 53 10	27°35'05	15°37	0°21	22°14	23°30	3°53	4°34	20° 4	20° 0	4°51	19°R49	18° 4	27°19	10° 7	T 21
F 22	19 57 7	28°32'24	27°33	29♋37	23°25	24° 8	4° 7	4°30	20° 7	20° 1	4°51	19°49	18° 1	27°26	10° 4	F 22
S 23	20 1 3	29°29'43	9♑25	28°54	24°35	24°46	4°20	4°27	20°10	20° 3	4°52	19°47	17°58	27°32	10° 0	S 23
S 24	20 5 0	0♌27'04	21°14	28°11	25°46	25°23	4°33	4°24	20°12	20° 4	4°52	19°43	17°55	27°39	9°57	S 24
M25	20 8 57	1°24'25	3♒ 4	27°31	26°57	26° 1	4°46	4°21	20°15	20° 6	4°52	19°38	17°52	27°46	9°54	M25
T 26	20 12 53	2°21'46	14°56	26°52	28° 7	26°38	4°59	4°17	20°18	20° 8	4°52	19°31	17°48	27°52	9°50	T 26
W27	20 16 50	3°19'09	26°52	26°17	29°18	27°16	5°13	4°14	20°21	20° 9	4°52	19°23	17°45	27°59	9°47	W27
T 28	20 20 46	4°16'33	8♓54	25°46	0♋29	27°54	5°26	4°10	20°24	20°11	4°53	19°15	17°42	28° 6	9°44	T 28
F 29	20 24 43	5°13'57	21° 3	25°19	1°40	28°31	5°39	4° 6	20°27	20°13	4°53	19° 7	17°39	28°12	9°40	F 29
S 30	20 28 39	6°11'23	3♈23	24°58	2°51	29° 9	5°52	4° 3	20°29	20°14	4°53	19° 1	17°36	28°19	9°37	S 30
S 31	20 32 36	7♌ 8'50	15♈55	24♋42	4♋ 2	29♌47	6♌ 6	3♓59	20♊32	20♍16	4♉53	18♊57	17♊33	28♏26	9♏34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n13	11s55	5s12	18n32	1s 0	17n53	2s 9	18n41	1n14	20n47	0n31	11s10	1s43	23n 7	0n 5	5n16	1n14	2s10	16s11	23n 7	23n 3	24s 8	15s42	7n20
S 2	23 9	7 8	5 15	18 10	1 14	18 9	2 8	18 30	1 14	20 45	0 31	11 11	1 43	23 7	0 5	5 16	1 14	2 10	16 11	23 7	23 2	24 8	15 42	7 20
S 3	23 5	1 58	5 2	17 50	1 28	18 25	2 6	18 19	1 13	20 42	0 31	11 12	1 44	23 7	0 5	5 16	1 14	2 10	16 11	23 7	23 2	24 7	15 42	7 20
M 4	23 0	3n24	4 35	17 30	1 43	18 41	2 4	18 8	1 13	20 39	0 31	11 13	1 44	23 7	0 5	5 15	1 14	2 10	16 12	23 7	23 2	24 7	15 42	7 20
T 5	22 55	8 48	3 52	17 10	1 58	18 56	2 2	17 57	1 13	20 37	0 31	11 14	1 44	23 8	0 5	5 15	1 14	2 10	16 12	23 7	23 2	24 6	15 43	7 20
W 6	22 50	13 58	2 55	16 52	2 12	19 10	2 0	17 46	1 13	20 34	0 31	11 14	1 44	23 8	0 5	5 14	1 14	2 10	16 12	23 7	23 1	24 5	15 43	7 20
T 7	22 44	18 33	1 46	16 35	2 27	19 24	1 58	17 35	1 12	20 31	0 31	11 15	1 44	23 8	0 5	5 14	1 14	2 10	16 12	23 7	23 1	24 5	15 43	7 20
F 8	22 37	22 10	0 29	16 19	2 42	19 38	1 56	17 24	1 12	20 28	0 31	11 16	1 45	23 8	0 5	5 13	1 14	2 10	16 13	23 7	23 1	24 4	15 43	7 20
S 9	22 31	24 22	0n53	16 5	2 56	19 52	1 54	17 12	1 12	20 26	0 31	11 17	1 45	23 9	0 5	5 13	1 14	2 10	16 13	23 7	23 1	24 4	15 44	7 20
S 10	22 24	24 51	2 12	15 52	3 11	20 4	1 51	17 1	1 11	20 23	0 31	11 18	1 45	23 9	0 5	5 12	1 14	2 10	16 13	23 7	23 0	24 3	15 44	7 20
M11	22 16	23 28	3 22	15 40	3 24	20 17	1 49	16 49	1 11	20 20	0 31	11 19	1 45	23 9	0 5	5 12	1 14	2 11	16 14	23 7	23 0	24 3	15 44	7 20
T 12	22 8	20 24	4 18	15 30	3 38	20 29	1 47	16 37	1 11	20 17	0 31	11 20	1 45	23 10	0 5	5 11	1 14	2 11	16 14	23 7	23 0	24 2	15 45	7 20
W13	22 0	16 1	4 55	15 21	3 51	20 40	1 44	16 26	1 10	20 14	0 31	11 21	1 46	23 10	0 5	5 11	1 14	2 11	16 14	23 6	22 59	24 1	15 45	7 20
T 14	21 52	10 48	5 12	15 15	4 3	20 51	1 42	16 14	1 10	20 11	0 31	11 23	1 46	23 10	0 5	5 10	1 14	2 11	16 15	23 6	22 59	24 1	15 45	7 20
F 15	21 43	5 9	5 9	15 10	4 14	21 1	1 40	16 2	1 10	20 8	0 32	11 24	1 46	23 10	0 5	5 10	1 14	2 11	16 15	23 6	22 59	24 0	15 46	7 20
S 16	21 33	0s34	4 48	15 7	4 24	21 11	1 37	15 49	1 9	20 5	0 32	11 25	1 46	23 11	0 5	5 9	1 14	2 11	16 15	23 6	22 59	23 59	15 46	7 20
S 17	21 24	6 5	4 13	15 6	4 33	21 20	1 34	15 37	1 9	20 2	0 32	11 26	1 46	23 11	0 5	5 8	1 14	2 11	16 15	23 6	22 58	23 59	15 47	7 20
M18	21 14	11 12	3 26	15 6	4 41	21 29	1 32	15 25	1 9	19 59	0 32	11 27	1 47	23 11	0 5	5 8	1 14	2 12	16 16	23 6	22 58	23 58	15 47	7 20
T 19	21 3	15 43	2 29	15 9	4 47	21 37	1 29	15 12	1 9	19 56	0 32	11 29	1 47	23 11	0 5	5 7	1 14	2 12	16 16	23 6	22 58	23 58	15 47	7 20
W20	20 52	19 28	1 28	15 13	4 52	21 45	1 26	15 0	1 8	19 53	0 32	11 30	1 47	23 12	0 5	5 7	1 14	2 12	16 16	23 6	22 58	23 57	15 48	7 19
T 21	20 41	22 20	0 23	15 19	4 55	21 52	1 24	14 47	1 8	19 50	0 32	11 31	1 47	23 12	0 5	5 6	1 14	2 12	16 17	23 6	22 57	23 56	15 48	7 19
F 22	20 30	24 10	0s42	15 27	4 56	21 59	1 21	14 34	1 8	19 47	0 32	11 33	1 47	23 12	0 5	5 5	1 14	2 12	16 17	23 6	22 57	23 56	15 49	7 19
S 23	20 18	24 54	1 45	15 36	4 55	22 5	1 18	14 21	1 7	19 44	0 32	11 34	1 48	23 12	0 5	5 5	1 14	2 13	16 17	23 6	22 57	23 55	15 49	7 19
S 24	20 6	24 29	2 42	15 47	4 53	22 10	1 15	14 8	1 7	19 41	0 32	11 35	1 48	23 13	0 5	5 4	1 14	2 13	16 18	23 5	22 56	23 54	15 49	7 19
M25	19 53	22 58	3 33	15 59	4 49	22 15	1 12	13 55	1 7	19 38	0 32	11 37	1 48	23 13	0 5	5 4	1 14	2 13	16 18	23 5	22 56	23 54	15 50	7 19
T 26	19 40	20 26	4 14	16 12	4 43	22 19	1 9	13 42	1 6	19 35	0 32	11 38	1 48	23 13	0 5	5 3	1 14	2 13	16 18	23 4	22 56	23 53	15 50	7 18
W27	19 27	17 2	4 45	16 25	4 36	22 23	1 7	13 29	1 6	19 32	0 32	11 40	1 48	23 13	0 5	5 2	1 14	2 13	16 19	23 4	22 55	23 52	15 51	7 18
T 28	19 14	12 56	5 3	16 40	4 27	22 26	1 4	13 15	1 6	19 29	0 33	11 41	1 48	23 13	0 5	5 2	1 14	2 14	16 19	23 3	22 55	23 51	15 51	7 18
F 29	19 0	8 16	5 8	16 55	4 16	22 28	1 1	13 2	1 5	19 25	0 33	11 43	1 49	23 14	0 5	5 1	1 14	2 14	16 19	23 3	22 55	23 51	15 52	7 18
S 30	18 46	3 13	4 58	17 10	4 5	22 30	0 58	12 48	1 5	19 22	0 33	11 44	1 49	23 14	0 5	5 0	1 14	2 14	16 20	23 2	22 55	23 50	15 52	7 17
S 31	18n31	2n 3	4s35	17n26	3s52	22n31	0s55	12n35	1n 5	19n19	0n33	11s46	1s49	23n14	0n 5	5n 0	1n14	2s15	16s20	23n 2	22n54	23s49	15s53	7n17

Julian Day Number = 2309646.5, Delta T = 75.04 sec
Ecliptic obliquity = 23°29'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'05, Lahiri = 18°26'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

AUGUST 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 36 32	8♌ 6'18	28♈43	24°R32	5♋13	0♍25	6♌19	3°R55	20♊35	20♍18	4♉53	18°R55	17♊29	28♉32	9°R31	M 1
T 2	20 40 29	9° 3'48	11♉51	24°D28	6°25	1° 2	6°32	3♓51	20°37	20°19	4°53	18°D54	17°26	28°39	9♉28	T 2
W 3	20 44 26	10° 1'19	25°21	24♋31	7°36	1°40	6°45	3°47	20°40	20°21	4°53	18♊55	17°23	28°46	9°25	W 3
T 4	20 48 22	10°58'51	9♊15	24°41	8°47	2°18	6°58	3°43	20°43	20°23	4°53	18°56	17°20	28°52	9°22	T 4
F 5	20 52 19	11°56'25	23°34	24°57	9°59	2°56	7°12	3°39	20°45	20°25	4°R53	18°R56	17°17	28°59	9°19	F 5
S 6	20 56 15	12°54'00	8♋16	25°21	11°11	3°34	7°25	3°35	20°48	20°27	4°53	18°55	17°14	29° 6	9°17	S 6
S 7	21 0 12	13°51'37	23°17	25°51	12°22	4°12	7°38	3°31	20°50	20°29	4°53	18°51	17°10	29°13	9°14	S 7
M 8	21 4 8	14°49'15	8♌28	26°29	13°34	4°50	7°51	3°27	20°53	20°30	4°53	18°45	17° 7	29°19	9°11	M 8
T 9	21 8 5	15°46'54	23°41	27°13	14°46	5°28	8° 4	3°23	20°55	20°32	4°53	18°37	17° 4	29°26	9° 8	T 9
W10	21 12 1	16°44'35	8♍44	28° 4	15°57	6° 6	8°18	3°18	20°57	20°34	4°53	18°29	17° 1	29°33	9° 6	W10
T 11	21 15 58	17°42'16	23°28	29° 1	17° 9	6°44	8°31	3°14	21° 0	20°36	4°53	18°20	16°58	29°39	9° 3	T 11
F 12	21 19 55	18°39'59	7♎46	0♌ 5	18°21	7°22	8°44	3°10	21° 2	20°38	4°53	18°13	16°54	29°46	9° 1	F 12
S 13	21 23 51	19°37'42	21°35	1°15	19°33	8° 0	8°57	3° 5	21° 4	20°40	4°53	18° 7	16°51	29°53	8°58	S 13
S 14	21 27 48	20°35'27	4♏55	2°31	20°45	8°38	9°10	3° 1	21° 6	20°42	4°52	18° 4	16°48	29°59	8°56	S 14
M15	21 31 44	21°33'13	17°48	3°53	21°57	9°16	9°23	2°57	21° 9	20°44	4°52	18°D 3	16°45	0♒ 6	8°54	M15
T 16	21 35 41	22°31'00	0♐19	5°20	23°10	9°55	9°36	2°52	21°11	20°46	4°52	18° 3	16°42	0°13	8°51	T 16
W17	21 39 37	23°28'48	12°31	6°51	24°22	10°33	9°49	2°48	21°13	20°48	4°52	18°R 4	16°39	0°19	8°49	W17
T 18	21 43 34	24°26'38	24°31	8°27	25°34	11°11	10° 2	2°43	21°15	20°50	4°52	18° 4	16°35	0°26	8°47	T 18
F 19	21 47 30	25°24'28	6♑24	10° 8	26°46	11°49	10°15	2°39	21°17	20°52	4°51	18° 2	16°32	0°33	8°45	F 19
S 20	21 51 27	26°22'20	18°13	11°51	27°59	12°27	10°28	2°34	21°19	20°54	4°51	17°58	16°29	0°39	8°43	S 20
S 21	21 55 24	27°20'14	0♒ 2	13°38	29°11	13° 6	10°41	2°30	21°21	20°56	4°51	17°51	16°26	0°46	8°41	S 21
M22	21 59 20	28°18'09	11°54	15°28	0♌24	13°44	10°54	2°25	21°23	20°58	4°50	17°42	16°23	0°53	8°39	M22
T 23	22 3 17	29°16'05	23°51	17°20	1°37	14°22	11° 7	2°21	21°24	21° 0	4°50	17°31	16°19	0°59	8°38	T 23
W24	22 7 13	0♍14'03	5♓55	19°13	2°49	15° 1	11°20	2°16	21°26	21° 3	4°50	17°18	16°16	1° 6	8°36	W24
T 25	22 11 10	1°12'02	18° 8	21° 8	4° 2	15°39	11°33	2°11	21°28	21° 5	4°49	17° 5	16°13	1°13	8°34	T 25
F 26	22 15 6	2°10'03	0♈29	23° 4	5°15	16°18	11°45	2° 7	21°30	21° 7	4°49	16°53	16°10	1°19	8°33	F 26
S 27	22 19 3	3° 8'06	12°59	25° 1	6°28	16°56	11°58	2° 2	21°31	21° 9	4°48	16°43	16° 7	1°26	8°31	S 27
S 28	22 22 59	4° 6'11	25°41	26°58	7°40	17°35	12°11	1°58	21°33	21°11	4°48	16°35	16° 4	1°33	8°30	S 28
M29	22 26 56	5° 4'17	8♉35	28°56	8°53	18°13	12°23	1°53	21°34	21°13	4°47	16°30	16° 0	1°40	8°29	M29
T 30	22 30 53	6° 2'26	21°44	0♍53	10° 6	18°52	12°36	1°49	21°36	21°15	4°47	16°28	15°57	1°46	8°27	T 30
W31	22 34 49	7♍ 0'37	5♊11	2♍50	11♌20	19♍30	12♌49	1♓44	21♊37	21♍18	4♉46	16°D28	15♊54	1♒53	8♑26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n17	7n21	3s57	17n41	3s38	22n32	0s52	12n21	1n 4	19n16	0n33	11s47	1s49	23n14	0n 5	4n59	1n14	2s15	16s20	23n 2	22n54	23s49	15s53	7n17
T 2	18 2	12 28	3 6	17 56	3 23	22 31	0 49	12 7	1 4	19 13	0 33	11 49	1 49	23 14	0 5	4 58	1 14	2 15	16 20	23 2	22 54	23 48	15 53	7 17
W 3	17 46	17 8	2 4	18 11	3 8	22 31	0 46	11 53	1 4	19 9	0 33	11 50	1 49	23 15	0 5	4 57	1 14	2 15	16 21	23 2	22 53	23 47	15 54	7 16
T 4	17 31	21 2	0 52	18 25	2 52	22 29	0 43	11 40	1 3	19 6	0 33	11 52	1 50	23 15	0 5	4 57	1 14	2 16	16 21	23 2	22 53	23 46	15 54	7 16
F 5	17 15	23 45	0n25	18 38	2 36	22 27	0 40	11 26	1 3	19 3	0 33	11 54	1 50	23 15	0 5	4 56	1 14	2 16	16 21	23 2	22 53	23 46	15 55	7 16
S 6	16 59	24 56	1 42	18 50	2 19	22 25	0 37	11 11	1 2	19 0	0 33	11 55	1 50	23 15	0 5	4 55	1 13	2 16	16 22	23 2	22 53	23 45	15 55	7 15
S 7	16 42	24 20	2 53	19 1	2 2	22 21	0 34	10 57	1 2	18 56	0 33	11 57	1 50	23 15	0 5	4 54	1 13	2 17	16 22	23 1	22 52	23 44	15 56	7 15
M 8	16 25	21 56	3 53	19 11	1 46	22 18	0 30	10 43	1 2	18 53	0 33	11 58	1 50	23 16	0 5	4 54	1 13	2 17	16 22	23 1	22 52	23 43	15 56	7 15
T 9	16 8	18 0	4 37	19 18	1 29	22 13	0 27	10 29	1 1	18 50	0 34	12 0	1 50	23 16	0 5	4 53	1 13	2 17	16 23	23 0	22 52	23 42	15 57	7 15
W10	15 51	12 57	5 0	19 25	1 12	22 8	0 24	10 14	1 1	18 46	0 34	12 2	1 50	23 16	0 5	4 52	1 13	2 18	16 23	22 59	22 51	23 42	15 57	7 14
T 11	15 34	7 15	5 4	19 29	0 56	22 2	0 21	10 0	1 1	18 43	0 34	12 3	1 51	23 16	0 5	4 51	1 13	2 18	16 23	22 59	22 51	23 41	15 58	7 14
F 12	15 16	1 19	4 47	19 31	0 41	21 56	0 18	9 45	1 0	18 40	0 34	12 5	1 51	23 16	0 5	4 51	1 13	2 18	16 24	22 58	22 51	23 40	15 59	7 13
S 13	14 58	4s29	4 15	19 30	0 25	21 49	0 15	9 31	1 0	18 36	0 34	12 7	1 51	23 16	0 5	4 50	1 13	2 19	16 24	22 58	22 50	23 39	15 59	7 13
S 14	14 39	9 54	3 29	19 28	0 11	21 41	0 12	9 16	1 0	18 33	0 34	12 8	1 51	23 17	0 5	4 49	1 13	2 19	16 24	22 57	22 50	23 38	16 0	7 13
M15	14 21	14 42	2 34	19 22	0n 3	21 33	0 9	9 1	0 59	18 29	0 34	12 10	1 51	23 17	0 5	4 48	1 13	2 19	16 25	22 57	22 50	23 38	16 0	7 12
T 16	14 2	18 44	1 33	19 14	0 16	21 24	0 6	8 47	0 59	18 26	0 34	12 12	1 51	23 17	0 5	4 47	1 13	2 20	16 25	22 57	22 49	23 37	16 1	7 12
W17	13 43	21 51	0 30	19 4	0 29	21 14	0 3	8 32	0 59	18 23	0 34	12 14	1 51	23 17	0 5	4 47	1 13	2 20	16 25	22 57	22 49	23 36	16 1	7 12
T 18	13 24	23 57	0s34	18 50	0 40	21 4	0 1	8 17	0 58	18 19	0 34	12 15	1 51	23 17	0 5	4 46	1 13	2 20	16 25	22 57	22 49	23 35	16 2	7 11
F 19	13 5	24 56	1 36	18 34	0 51	20 53	0n 2	8 2	0 58	18 16	0 35	12 17	1 51	23 17	0 5	4 45	1 13	2 21	16 26	22 57	22 48	23 34	16 2	7 11
S 20	12 45	24 47	2 33	18 14	1 1	20 42	0 5	7 47	0 57	18 12	0 35	12 19	1 51	23 17	0 5	4 44	1 13	2 21	16 26	22 57	22 48	23 33	16 3	7 10
S 21	12 25	23 30	3 23	17 52	1 9	20 30	0 8	7 32	0 57	18 9	0 35	12 21	1 52	23 18	0 5	4 43	1 13	2 21	16 26	22 56	22 48	23 33	16 3	7 10
M22	12 5	21 11	4 5	17 28	1 17	20 17	0 11	7 17	0 57	18 6	0 35	12 22	1 52	23 18	0 5	4 43	1 13	2 22	16 27	22 55	22 48	23 32	16 4	7 9
T 23	11 45	17 56	4 36	17 0	1 24	20 4	0 14	7 2	0 56	18 2	0 35	12 24	1 52	23 18	0 5	4 42	1 13	2 22	16 27	22 54	22 47	23 31	16 4	7 9
W24	11 25	13 55	4 55	16 31	1 30	19 50	0 17	6 46	0 56	17 59	0 35	12 26	1 52	23 18	0 5	4 41	1 13	2 23	16 27	22 53	22 47	23 30	16 5	7 9
T 25	11 4	9 19	5 1	15 59	1 35	19 36	0 19	6 31	0 55	17 55	0 35	12 27	1 52	23 18	0 5	4 40	1 13	2 23	16 28	22 52	22 47	23 29	16 6	7 8
F 26	10 44	4 17	4 53	15 25	1 39	19 21	0 22	6 16	0 55	17 52	0 35	12 29	1 52	23 18	0 5	4 39	1 13	2 23	16 28	22 51	22 46	23 28	16 6	7 8
S 27	10 23	0n59	4 30	14 49	1 42	19 6	0 25	6 1	0 55	17 48	0 35	12 31	1 52	23 18	0 5	4 38	1 13	2 24	16 28	22 50	22 46	23 27	16 7	7 7
S 28	10 2	6 18	3 54	14 11	1 45	18 50	0 27	5 45	0 54	17 45	0 36	12 33	1 52	23 19	0 5	4 37	1 13	2 24	16 28	22 49	22 46	23 26	16 7	7 7
M29	9 40	11 27	3 6	13 32	1 46	18 33	0 30	5 30	0 54	17 41	0 36	12 34	1 52	23 19	0 5	4 37	1 13	2 25	16 29	22 48	22 45	23 25	16 8	7 6
T 30	9 19	16 12	2 7	12 51	1 47	18 16	0 32	5 14	0 54	17 38	0 36	12 36	1 52	23 19	0 5	4 36	1 13	2 25	16 29	22 48	22 45	23 24	16 8	7 6
W31	8n57	20n14	0s59	12n 9	1n47	17n59	0n35	4n59	0n53	17n35	0n36	12s38	1s52	23n19	0n 5	4n35	1n13	2s25	16s29	22n48	22n45	23s24	16s 9	7n 5

Julian Day Number = 2309677.5, Delta T = 74.95 sec
Ecliptic obliquity = 23°29'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'09, Lahiri = 18°26'10Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1611
geocentric

SEPTEMBER 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 38 46	7♍58'49	18♊56	4♍46	12♌33	20♍ 9	13♌ 1	1°R40	21♊39	21♍20	4°R46	16°R28	15♊51	2♒ 0	8°R25	T 1
F 2	22 42 42	8°57'04	3♋ 2	6°42	13°46	20°48	13°14	1♓35	21°40	21°22	4♉45	16♊27	15°48	2° 6	8♉24	F 2
S 3	22 46 39	9°55'21	17°28	8°37	14°59	21°26	13°26	1°31	21°41	21°24	4°45	16°24	15°45	2°13	8°23	S 3
S 4	22 50 35	10°53'40	2♌12	10°31	16°13	22° 5	13°39	1°26	21°43	21°26	4°44	16°19	15°41	2°20	8°22	S 4
M 5	22 54 32	11°52'01	17° 8	12°24	17°26	22°44	13°51	1°22	21°44	21°29	4°43	16°12	15°38	2°26	8°22	M 5
T 6	22 58 28	12°50'24	2♍ 8	14°16	18°39	23°23	14° 4	1°17	21°45	21°31	4°43	16° 1	15°35	2°33	8°21	T 6
W 7	23 2 25	13°48'49	17° 2	16° 8	19°53	24° 1	14°16	1°13	21°46	21°33	4°42	15°50	15°32	2°40	8°20	W 7
T 8	23 6 22	14°47'16	1♎42	17°58	21° 6	24°40	14°28	1° 8	21°47	21°35	4°42	15°39	15°29	2°46	8°20	T 8
F 9	23 10 18	15°45'44	16° 1	19°47	22°20	25°19	14°40	1° 4	21°48	21°37	4°41	15°29	15°25	2°53	8°19	F 9
S 10	23 14 15	16°44'14	29°52	21°35	23°34	25°58	14°52	1° 0	21°49	21°40	4°40	15°21	15°22	3° 0	8°19	S 10
S 11	23 18 11	17°42'46	13♏15	23°22	24°47	26°37	15° 5	0°55	21°50	21°42	4°39	15°15	15°19	3° 6	8°18	S 11
M12	23 22 8	18°41'20	26°11	25° 8	26° 1	27°16	15°17	0°51	21°51	21°44	4°39	15°13	15°16	3°13	8°18	M12
T 13	23 26 4	19°39'55	8♐44	26°53	27°15	27°55	15°29	0°47	21°52	21°46	4°38	15°12	15°13	3°20	8°18	T 13
W14	23 30 1	20°38'32	20°58	28°37	28°28	28°34	15°40	0°43	21°53	21°48	4°37	15°12	15°10	3°27	8°D18	W14
T 15	23 33 57	21°37'11	2♑58	0♎20	29°42	29°13	15°52	0°39	21°53	21°51	4°37	15°11	15° 6	3°33	8°18	T 15
F 16	23 37 54	22°35'51	14°51	2° 2	0♍56	29°52	16° 4	0°35	21°54	21°53	4°36	15°10	15° 3	3°40	8°18	F 16
S 17	23 41 51	23°34'33	26°40	3°42	2°10	0♎31	16°16	0°31	21°55	21°55	4°35	15° 6	15° 0	3°47	8°18	S 17
S 18	23 45 47	24°33'17	8♒31	5°22	3°24	1°10	16°28	0°27	21°55	21°57	4°34	14°59	14°57	3°53	8°19	S 18
M19	23 49 44	25°32'02	20°27	7° 1	4°38	1°50	16°39	0°23	21°56	22° 0	4°33	14°50	14°54	4° 0	8°19	M19
T 20	23 53 40	26°30'50	2♓31	8°39	5°52	2°29	16°51	0°19	21°56	22° 2	4°32	14°38	14°51	4° 7	8°19	T 20
W21	23 57 37	27°29'39	14°45	10°16	7° 6	3° 8	17° 2	0°15	21°56	22° 4	4°32	14°25	14°47	4°13	8°20	W21
T 22	0 1 33	28°28'30	27°11	11°52	8°20	3°47	17°14	0°11	21°57	22° 6	4°31	14°12	14°44	4°20	8°20	T 22
F 23	0 5 30	29°27'23	9♈48	13°27	9°35	4°27	17°25	0° 8	21°57	22° 9	4°30	14° 0	14°41	4°27	8°21	F 23
S 24	0 9 26	0♎26'19	22°36	15° 2	10°49	5° 6	17°36	0° 4	21°57	22°11	4°29	13°49	14°38	4°33	8°22	S 24
S 25	0 13 23	1°25'16	5♉35	16°35	12° 3	5°46	17°47	0° 0	21°58	22°13	4°28	13°41	14°35	4°40	8°23	S 25
M26	0 17 19	2°24'16	18°45	18° 8	13°18	6°25	17°59	29♒57	21°58	22°15	4°27	13°36	14°31	4°47	8°23	M26
T 27	0 21 16	3°23'18	2♊ 7	19°39	14°32	7° 4	18°10	29°53	21°58	22°17	4°26	13°34	14°28	4°53	8°24	T 27
W28	0 25 13	4°22'22	15°40	21°10	15°46	7°44	18°21	29°50	21°R58	22°20	4°25	13°D33	14°25	5° 0	8°25	W28
T 29	0 29 9	5°21'29	29°26	22°40	17° 1	8°24	18°31	29°47	21°58	22°22	4°24	13°R34	14°22	5° 7	8°27	T 29
F 30	0 33 6	6♎20'38	13♋25	24♎10	18♍15	9♎ 3	18♌42	29♒44	21♊58	22♍24	4♉23	13♊34	14♊19	5♒14	8♉28	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n36	23n15	0n13	11n26	1n47	17n41	0n38	4n43	0n53	17n31	0n36	12s39	1s52	23n19	0n 5	4n34	1n13	2s26	16s30	22n48	22n44	23s23	16s 9	7n 5
F 2	8 14	24 54	1 26	10 42	1 45	17 22	0 40	4 27	0 52	17 28	0 36	12 41	1 52	23 19	0 5	4 33	1 13	2 26	16 30	22 48	22 44	23 22	16 10	7 4
S 3	7 52	24 55	2 36	9 58	1 44	17 3	0 42	4 12	0 52	17 24	0 36	12 43	1 52	23 19	0 5	4 32	1 13	2 27	16 30	22 48	22 44	23 21	16 10	7 4
S 4	7 30	23 13	3 37	9 12	1 41	16 43	0 45	3 56	0 52	17 21	0 36	12 44	1 52	23 19	0 5	4 31	1 13	2 27	16 30	22 47	22 43	23 20	16 11	7 3
M 5	7 8	19 54	4 23	8 26	1 38	16 23	0 47	3 40	0 51	17 17	0 36	12 46	1 52	23 19	0 5	4 31	1 13	2 28	16 31	22 46	22 43	23 19	16 12	7 3
T 6	6 45	15 16	4 52	7 40	1 35	16 3	0 49	3 25	0 51	17 14	0 37	12 47	1 52	23 19	0 5	4 30	1 13	2 28	16 31	22 45	22 43	23 18	16 12	7 2
W 7	6 23	9 44	5 0	6 53	1 31	15 42	0 51	3 9	0 50	17 10	0 37	12 49	1 52	23 20	0 5	4 29	1 13	2 29	16 31	22 44	22 42	23 17	16 13	7 2
T 8	6 0	3 44	4 49	6 6	1 27	15 20	0 54	2 53	0 50	17 7	0 37	12 51	1 52	23 20	0 5	4 28	1 13	2 29	16 31	22 43	22 42	23 16	16 13	7 1
F 9	5 38	2s19	4 19	5 19	1 23	14 58	0 56	2 37	0 49	17 3	0 37	12 52	1 53	23 20	0 5	4 27	1 13	2 29	16 32	22 42	22 41	23 15	16 14	7 1
S 10	5 15	8 5	3 35	4 32	1 18	14 36	0 58	2 21	0 49	17 0	0 37	12 54	1 53	23 20	0 5	4 26	1 13	2 30	16 32	22 41	22 41	23 14	16 14	7 0
S 11	4 52	13 18	2 40	3 45	1 13	14 13	1 0	2 5	0 49	16 57	0 37	12 55	1 53	23 20	0 6	4 25	1 13	2 30	16 32	22 40	22 41	23 13	16 15	7 0
M12	4 29	17 44	1 39	2 58	1 7	13 50	1 2	1 50	0 48	16 53	0 37	12 57	1 53	23 20	0 6	4 24	1 13	2 31	16 32	22 40	22 40	23 12	16 15	6 59
T 13	4 6	21 15	0 34	2 11	1 2	13 27	1 3	1 34	0 48	16 50	0 38	12 58	1 53	23 20	0 6	4 24	1 13	2 31	16 33	22 40	22 40	23 11	16 16	6 59
W14	3 43	23 41	0s31	1 24	0 56	13 3	1 5	1 18	0 47	16 46	0 38	13 0	1 53	23 20	0 6	4 23	1 13	2 32	16 33	22 40	22 40	23 10	16 16	6 58
T 15	3 20	25 0	1 33	0 37	0 49	12 39	1 7	1 2	0 47	16 43	0 38	13 1	1 53	23 20	0 6	4 22	1 13	2 32	16 33	22 40	22 39	23 9	16 17	6 58
F 16	2 57	25 9	2 30	0s 9	0 43	12 14	1 9	0 46	0 47	16 39	0 38	13 3	1 53	23 20	0 6	4 21	1 13	2 33	16 33	22 40	22 39	23 8	16 17	6 57
S 17	2 33	24 9	3 21	0 55	0 37	11 49	1 10	0 30	0 46	16 36	0 38	13 4	1 52	23 20	0 6	4 20	1 13	2 33	16 33	22 39	22 39	23 7	16 18	6 57
S 18	2 10	22 4	4 3	1 41	0 30	11 24	1 12	0 14	0 46	16 33	0 38	13 6	1 52	23 20	0 6	4 19	1 13	2 33	16 34	22 39	22 38	23 6	16 18	6 56
M19	1 47	19 2	4 34	2 26	0 23	10 58	1 13	0s 2	0 45	16 29	0 38	13 7	1 52	23 20	0 6	4 18	1 13	2 34	16 34	22 38	22 38	23 5	16 19	6 56
T 20	1 23	15 10	4 54	3 11	0 16	10 32	1 15	0 18	0 45	16 26	0 39	13 8	1 52	23 20	0 6	4 17	1 13	2 34	16 34	22 36	22 38	23 4	16 19	6 55
W21	1 0	10 38	5 0	3 56	0 9	10 6	1 16	0 34	0 44	16 23	0 39	13 10	1 52	23 20	0 6	4 17	1 13	2 35	16 34	22 35	22 37	23 3	16 20	6 55
T 22	0 36	5 36	4 53	4 40	0 2	9 39	1 18	0 50	0 44	16 19	0 39	13 11	1 52	23 20	0 6	4 16	1 13	2 35	16 34	22 33	22 37	23 1	16 20	6 54
F 23	0 13	0 16	4 31	5 24	0s 5	9 13	1 19	1 6	0 43	16 16	0 39	13 12	1 52	23 20	0 6	4 15	1 13	2 36	16 35	22 32	22 37	23 0	16 21	6 54
S 24	0s10	5n10	3 55	6 7	0 12	8 46	1 20	1 22	0 43	16 13	0 39	13 13	1 52	23 20	0 6	4 14	1 13	2 36	16 35	22 30	22 36	22 59	16 21	6 53
S 25	0 34	10 28	3 7	6 50	0 19	8 18	1 21	1 38	0 43	16 9	0 39	13 15	1 52	23 20	0 6	4 13	1 13	2 37	16 35	22 30	22 36	22 58	16 22	6 53
M26	0 57	15 24	2 8	7 32	0 26	7 51	1 22	1 55	0 42	16 6	0 39	13 16	1 52	23 20	0 6	4 12	1 13	2 37	16 35	22 29	22 35	22 57	16 22	6 52
T 27	1 21	19 38	1 0	8 13	0 34	7 23	1 23	2 11	0 42	16 3	0 40	13 17	1 52	23 21	0 6	4 11	1 13	2 38	16 35	22 29	22 35	22 56	16 23	6 51
W28	1 44	22 54	0n11	8 54	0 41	6 55	1 24	2 27	0 41	16 0	0 40	13 18	1 52	23 21	0 6	4 11	1 13	2 38	16 35	22 29	22 35	22 55	16 23	6 51
T 29	2 8	24 53	1 23	9 35	0 48	6 26	1 25	2 43	0 41	15 56	0 40	13 19	1 52	23 21	0 6	4 10	1 13	2 38	16 36	22 29	22 34	22 54	16 24	6 50
F 30	2s31	25n20	2n32	10s15	0s55	5n58	1n26	2s59	0n40	15n53	0n40	13s20	1s52	23n21	0n 6	4n 9	1n14	2s39	16s36	22n29	22n34	22s53	16s24	6n50

Julian Day Number = 2309708.5, Delta T = 74.86 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'14, Lahiri = 18°26'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

OCTOBER 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 37 2	7♎19'49	27♋37	25♎38	19♍30	9♎43	18♌53	29°R40	21°R58	22♍26	4°R22	13°R32	14♊16	5♒20	8♑29	S 1
S 2	0 40 59	8°19'03	12♌ 1	27° 5	20°44	10°22	19° 4	29♒37	21♊57	22°28	4♉21	13♊28	14°12	5°27	8°30	S 2
M 3	0 44 55	9°18'19	26°34	28°32	21°59	11° 2	19°14	29°34	21°57	22°30	4°20	13°22	14° 9	5°34	8°32	M 3
T 4	0 48 52	10°17'37	11♍ 9	29°58	23°14	11°42	19°25	29°32	21°57	22°33	4°19	13°13	14° 6	5°40	8°33	T 4
W 5	0 52 48	11°16'58	25°41	1♏22	24°28	12°22	19°35	29°29	21°57	22°35	4°18	13° 3	14° 3	5°47	8°35	W 5
T 6	0 56 45	12°16'20	10♎ 3	2°46	25°43	13° 1	19°45	29°26	21°56	22°37	4°17	12°53	14° 0	5°54	8°37	T 6
F 7	1 0 42	13°15'45	24° 8	4° 9	26°58	13°41	19°56	29°23	21°56	22°39	4°16	12°44	13°56	6° 0	8°38	F 7
S 8	1 4 38	14°15'11	7♏51	5°31	28°12	14°21	20° 6	29°21	21°55	22°41	4°15	12°37	13°53	6° 7	8°40	S 8
S 9	1 8 35	15°14'40	21°11	6°52	29°27	15° 1	20°16	29°18	21°55	22°43	4°14	12°33	13°50	6°14	8°42	S 9
M10	1 12 31	16°14'10	4♐ 7	8°12	0♎42	15°41	20°26	29°16	21°54	22°45	4°13	12°31	13°47	6°20	8°44	M10
T 11	1 16 28	17°13'43	16°41	9°30	1°57	16°21	20°35	29°14	21°53	22°47	4°12	12°D30	13°44	6°27	8°46	T 11
W12	1 20 24	18°13'17	28°56	10°48	3°12	17° 1	20°45	29°11	21°53	22°49	4°11	12°31	13°41	6°34	8°48	W12
T 13	1 24 21	19°12'53	10♑58	12° 4	4°27	17°41	20°55	29° 9	21°52	22°52	4°10	12°32	13°37	6°41	8°51	T 13
F 14	1 28 17	20°12'31	22°52	13°19	5°42	18°21	21° 4	29° 7	21°51	22°54	4° 9	12°R32	13°34	6°47	8°53	F 14
S 15	1 32 14	21°12'10	4♒43	14°32	6°57	19° 1	21°13	29° 5	21°50	22°56	4° 8	12°31	13°31	6°54	8°55	S 15
S 16	1 36 11	22°11'51	16°35	15°43	8°12	19°41	21°23	29° 3	21°49	22°58	4° 7	12°28	13°28	7° 1	8°58	S 16
M17	1 40 7	23°11'34	28°34	16°53	9°26	20°22	21°32	29° 2	21°48	23° 0	4° 5	12°23	13°25	7° 7	9° 0	M17
T 18	1 44 4	24°11'19	10♓43	18° 0	10°41	21° 2	21°41	29° 0	21°47	23° 2	4° 4	12°16	13°22	7°14	9° 3	T 18
W19	1 48 0	25°11'05	23° 6	19° 6	11°57	21°42	21°50	28°58	21°46	23° 4	4° 3	12° 7	13°18	7°21	9° 6	W19
T 20	1 51 57	26°10'54	5♈43	20° 9	13°12	22°22	21°59	28°57	21°45	23° 5	4° 2	11°59	13°15	7°27	9° 8	T 20
F 21	1 55 53	27°10'44	18°36	21° 9	14°27	23° 3	22° 7	28°56	21°44	23° 7	4° 1	11°51	13°12	7°34	9°11	F 21
S 22	1 59 50	28°10'36	1♉44	22° 7	15°42	23°43	22°16	28°54	21°43	23° 9	4° 0	11°44	13° 9	7°41	9°14	S 22
S 23	2 3 46	29°10'30	15° 6	23° 1	16°57	24°24	22°24	28°53	21°42	23°11	3°59	11°39	13° 6	7°48	9°17	S 23
M24	2 7 43	0♏10'26	28°40	23°51	18°12	25° 4	22°33	28°52	21°40	23°13	3°58	11°36	13° 2	7°54	9°20	M24
T 25	2 11 40	1°10'24	12♊25	24°38	19°27	25°45	22°41	28°51	21°39	23°15	3°56	11°D35	12°59	8° 1	9°23	T 25
W26	2 15 36	2°10'25	26°17	25°20	20°42	26°25	22°49	28°50	21°38	23°17	3°55	11°36	12°56	8° 8	9°26	W26
T 27	2 19 33	3°10'27	10♋16	25°57	21°58	27° 6	22°57	28°50	21°36	23°19	3°54	11°38	12°53	8°14	9°29	T 27
F 28	2 23 29	4°10'32	24°21	26°28	23°13	27°46	23° 5	28°49	21°35	23°20	3°53	11°39	12°50	8°21	9°33	F 28
S 29	2 27 26	5°10'39	8♌30	26°54	24°28	28°27	23°12	28°48	21°33	23°22	3°52	11°R39	12°47	8°28	9°36	S 29
S 30	2 31 22	6°10'48	22°41	27°12	25°43	29° 8	23°20	28°48	21°32	23°24	3°51	11°38	12°43	8°34	9°39	S 30
M31	2 35 19	7♏10'59	6♍53	27♏23	26♎59	29♎49	23♌27	28♒48	21♊30	23♍26	3♉50	11♊35	12♊40	8♒41	9♑43	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2s55	24n 8	3n32	10s54	1s 2	5n29	1n26	3s15	0n40	15n50	0n40	13s21	1s52	23n21	0n 6	4n 8	1n14	2s39	16s36	22n28	22n34	22s52	16s25	6n49
S 2	3 18	21 22	4 19	11 32	1 10	5 1	1 27	3 31	0 39	15 47	0 40	13 22	1 52	23 21	0 6	4 7	1 14	2 40	16 36	22 28	22 33	22 50	16 25	6 49
M 3	3 42	17 14	4 51	12 10	1 17	4 32	1 28	3 47	0 39	15 44	0 41	13 23	1 52	23 21	0 6	4 6	1 14	2 40	16 36	22 27	22 33	22 49	16 25	6 48
T 4	4 5	12 4	5 3	12 47	1 24	4 3	1 28	4 3	0 38	15 40	0 41	13 24	1 52	23 21	0 6	4 5	1 14	2 41	16 36	22 26	22 32	22 48	16 26	6 48
W 5	4 28	6 15	4 56	13 23	1 30	3 33	1 28	4 19	0 38	15 37	0 41	13 25	1 52	23 21	0 6	4 5	1 14	2 41	16 36	22 25	22 32	22 47	16 26	6 47
T 6	4 52	0 9	4 30	13 59	1 37	3 4	1 29	4 35	0 38	15 34	0 41	13 26	1 52	23 21	0 6	4 4	1 14	2 41	16 36	22 24	22 32	22 46	16 27	6 47
F 7	5 15	5s50	3 49	14 34	1 44	2 34	1 29	4 51	0 37	15 31	0 41	13 27	1 51	23 21	0 6	4 3	1 14	2 42	16 37	22 22	22 31	22 45	16 27	6 46
S 8	5 38	11 25	2 54	15 7	1 50	2 5	1 29	5 7	0 37	15 28	0 41	13 28	1 51	23 21	0 6	4 2	1 14	2 42	16 37	22 22	22 31	22 43	16 27	6 46
S 9	6 1	16 18	1 52	15 40	1 57	1 35	1 30	5 22	0 36	15 25	0 42	13 29	1 51	23 20	0 6	4 1	1 14	2 43	16 37	22 21	22 31	22 42	16 28	6 45
M10	6 24	20 17	0 45	16 12	2 3	1 5	1 30	5 38	0 36	15 22	0 42	13 29	1 51	23 20	0 6	4 1	1 14	2 43	16 37	22 21	22 30	22 41	16 28	6 45
T 11	6 47	23 12	0s22	16 43	2 9	0 36	1 30	5 54	0 35	15 19	0 42	13 30	1 51	23 20	0 6	4 0	1 14	2 44	16 37	22 21	22 30	22 40	16 29	6 44
W12	7 10	24 56	1 27	17 14	2 15	0 6	1 30	6 10	0 35	15 16	0 42	13 31	1 51	23 20	0 6	3 59	1 14	2 44	16 37	22 21	22 29	22 39	16 29	6 44
T 13	7 32	25 29	2 27	17 43	2 20	0s24	1 29	6 26	0 34	15 13	0 42	13 32	1 51	23 20	0 6	3 58	1 14	2 44	16 37	22 21	22 29	22 37	16 29	6 43
F 14	7 55	24 49	3 20	18 11	2 25	0 54	1 29	6 41	0 34	15 11	0 42	13 32	1 51	23 20	0 6	3 57	1 14	2 45	16 37	22 21	22 29	22 36	16 30	6 43
S 15	8 17	23 4	4 3	18 37	2 30	1 24	1 29	6 57	0 33	15 8	0 43	13 33	1 51	23 20	0 6	3 57	1 14	2 45	16 37	22 21	22 28	22 35	16 30	6 42
S 16	8 40	20 18	4 37	19 3	2 35	1 54	1 29	7 13	0 33	15 5	0 43	13 33	1 51	23 20	0 6	3 56	1 14	2 46	16 37	22 20	22 28	22 34	16 30	6 42
M17	9 2	16 39	4 59	19 28	2 39	2 24	1 28	7 28	0 32	15 2	0 43	13 34	1 51	23 20	0 6	3 55	1 14	2 46	16 37	22 20	22 27	22 33	16 31	6 41
T 18	9 24	12 18	5 7	19 51	2 43	2 54	1 28	7 44	0 32	14 59	0 43	13 34	1 50	23 20	0 6	3 54	1 14	2 46	16 37	22 19	22 27	22 31	16 31	6 41
W19	9 46	7 22	5 2	20 13	2 47	3 24	1 27	8 0	0 31	14 57	0 43	13 35	1 50	23 20	0 6	3 54	1 14	2 47	16 37	22 18	22 27	22 30	16 31	6 40
T 20	10 8	2 2	4 42	20 33	2 50	3 53	1 27	8 15	0 31	14 54	0 44	13 35	1 50	23 20	0 6	3 53	1 14	2 47	16 37	22 16	22 26	22 29	16 32	6 40
F 21	10 29	3n30	4 7	20 52	2 53	4 23	1 26	8 31	0 30	14 51	0 44	13 36	1 50	23 20	0 6	3 52	1 14	2 48	16 38	22 15	22 26	22 28	16 32	6 39
S 22	10 51	9 0	3 19	21 9	2 55	4 53	1 25	8 46	0 30	14 49	0 44	13 36	1 50	23 20	0 6	3 51	1 14	2 48	16 38	22 14	22 26	22 26	16 32	6 39
S 23	11 12	14 12	2 19	21 24	2 56	5 22	1 25	9 1	0 29	14 46	0 44	13 36	1 50	23 20	0 6	3 51	1 14	2 48	16 38	22 14	22 25	22 25	16 32	6 38
M24	11 33	18 47	1 10	21 38	2 57	5 52	1 24	9 17	0 29	14 44	0 44	13 36	1 50	23 20	0 6	3 50	1 14	2 49	16 38	22 13	22 25	22 24	16 33	6 38
T 25	11 54	22 24	0n 4	21 50	2 57	6 21	1 23	9 32	0 28	14 41	0 45	13 37	1 50	23 20	0 6	3 49	1 14	2 49	16 38	22 13	22 24	22 23	16 33	6 38
W26	12 15	24 45	1 19	22 0	2 57	6 50	1 22	9 47	0 28	14 39	0 45	13 37	1 50	23 20	0 6	3 49	1 14	2 49	16 38	22 13	22 24	22 21	16 33	6 37
T 27	12 36	25 35	2 30	22 7	2 55	7 19	1 21	10 2	0 27	14 36	0 45	13 37	1 49	23 20	0 6	3 48	1 14	2 50	16 38	22 14	22 24	22 20	16 33	6 37
F 28	12 56	24 46	3 32	22 12	2 53	7 48	1 20	10 17	0 27	14 34	0 45	13 37	1 49	23 20	0 6	3 47	1 14	2 50	16 38	22 14	22 23	22 19	16 34	6 36
S 29	13 17	22 22	4 21	22 15	2 49	8 17	1 19	10 32	0 26	14 32	0 45	13 37	1 49	23 19	0 6	3 46	1 14	2 50	16 38	22 14	22 23	22 17	16 34	6 36
S 30	13 37	18 37	4 55	22 14	2 44	8 46	1 17	10 47	0 26	14 29	0 46	13 37	1 49	23 19	0 6	3 46	1 14	2 51	16 37	22 14	22 22	22 16	16 34	6 35
M31	13s56	13n48	5n10	22s11	2s38	9s14	1n16	11s 2	0n25	14n27	0n46	13s37	1s49	23n19	0n 6	3n45	1n14	2s51	16s37	22n13	22n22	22s15	16s34	6n35

Julian Day Number = 2309738.5, Delta T = 74.77 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'18, Lahiri = 18°26'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

NOVEMBER 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 39 15	8♏11'12	21♍ 2	27°R27	28♎14	0♏29	23♌35	28°R47	21°R29	23♍27	3°R49	11°R31	12♊37	8♒48	9♉46	T 1
W 2	2 43 12	9°11'27	5♎ 5	27♏21	29°29	1°10	23°42	28♒47	21♊27	23°29	3♉47	11♊26	12°34	8°55	9°50	W 2
T 3	2 47 9	10°11'44	18°59	27° 6	0♏44	1°51	23°49	28°D47	21°25	23°31	3°46	11°21	12°31	9° 1	9°53	T 3
F 4	2 51 5	11°12'03	2♏40	26°41	2° 0	2°32	23°56	28°47	21°24	23°32	3°45	11°16	12°28	9° 8	9°57	F 4
S 5	2 55 2	12°12'23	16° 4	26° 7	3°15	3°13	24° 2	28°48	21°22	23°34	3°44	11°13	12°24	9°15	10° 1	S 5
S 6	2 58 58	13°12'46	29°10	25°22	4°30	3°54	24° 9	28°48	21°20	23°36	3°43	11°11	12°21	9°21	10° 5	S 6
M 7	3 2 55	14°13'10	11♐58	24°28	5°46	4°35	24°15	28°48	21°18	23°37	3°42	11°D10	12°18	9°28	10° 9	M 7
T 8	3 6 51	15°13'36	24°28	23°25	7° 1	5°16	24°21	28°49	21°16	23°39	3°41	11°11	12°15	9°35	10°13	T 8
W 9	3 10 48	16°14'03	6♑43	22°14	8°17	5°57	24°28	28°49	21°14	23°40	3°40	11°12	12°12	9°41	10°17	W 9
T 10	3 14 44	17°14'31	18°46	20°58	9°32	6°38	24°34	28°50	21°12	23°42	3°39	11°14	12° 8	9°48	10°21	T 10
F 11	3 18 41	18°15'01	0♒40	19°38	10°47	7°20	24°39	28°51	21°10	23°43	3°37	11°16	12° 5	9°55	10°25	F 11
S 12	3 22 38	19°15'33	12°32	18°17	12° 3	8° 1	24°45	28°52	21° 8	23°45	3°36	11°17	12° 2	10° 2	10°29	S 12
S 13	3 26 34	20°16'05	24°24	16°58	13°18	8°42	24°50	28°53	21° 6	23°46	3°35	11°R17	11°59	10° 8	10°33	S 13
M14	3 30 31	21°16'39	6♓23	15°42	14°34	9°23	24°56	28°54	21° 4	23°48	3°34	11°16	11°56	10°15	10°37	M14
T 15	3 34 27	22°17'14	18°33	14°34	15°49	10° 5	25° 1	28°55	21° 2	23°49	3°33	11°14	11°53	10°22	10°42	T 15
W16	3 38 24	23°17'50	0♈57	13°34	17° 5	10°46	25° 6	28°57	21° 0	23°50	3°32	11°12	11°49	10°28	10°46	W16
T 17	3 42 20	24°18'27	13°40	12°44	18°20	11°28	25°11	28°58	20°57	23°52	3°31	11° 9	11°46	10°35	10°50	T 17
F 18	3 46 17	25°19'06	26°43	12° 6	19°35	12° 9	25°15	29° 0	20°55	23°53	3°30	11° 7	11°43	10°42	10°55	F 18
S 19	3 50 13	26°19'46	10♉ 6	11°39	20°51	12°51	25°20	29° 1	20°53	23°54	3°29	11° 5	11°40	10°48	10°59	S 19
S 20	3 54 10	27°20'27	23°49	11°23	22° 6	13°32	25°24	29° 3	20°51	23°55	3°28	11° 3	11°37	10°55	11° 4	S 20
M21	3 58 7	28°21'10	7♊49	11°D19	23°22	14°14	25°28	29° 5	20°48	23°57	3°27	11°D 3	11°33	11° 2	11° 9	M21
T 22	4 2 3	29°21'54	22° 1	11°26	24°37	14°55	25°32	29° 7	20°46	23°58	3°26	11° 3	11°30	11° 9	11°13	T 22
W23	4 6 0	0♐22'39	6♋22	11°43	25°53	15°37	25°36	29° 9	20°44	23°59	3°25	11° 4	11°27	11°15	11°18	W23
T 24	4 9 56	1°23'26	20°47	12° 9	27° 8	16°19	25°40	29°11	20°41	24° 0	3°24	11° 5	11°24	11°22	11°23	T 24
F 25	4 13 53	2°24'15	5♌11	12°43	28°24	17° 1	25°43	29°13	20°39	24° 1	3°23	11° 5	11°21	11°29	11°27	F 25
S 26	4 17 49	3°25'04	19°30	13°24	29°39	17°42	25°46	29°16	20°37	24° 2	3°22	11° 6	11°18	11°35	11°32	S 26
S 27	4 21 46	4°25'56	3♍42	14°12	0♐55	18°24	25°49	29°18	20°34	24° 3	3°21	11°R 6	11°14	11°42	11°37	S 27
M28	4 25 42	5°26'48	17°44	15° 6	2°10	19° 6	25°52	29°21	20°32	24° 4	3°20	11° 6	11°11	11°49	11°42	M28
T 29	4 29 39	6°27'42	1♎34	16° 5	3°26	19°48	25°55	29°23	20°29	24° 5	3°19	11° 6	11° 8	11°56	11°47	T 29
W30	4 33 36	7♐28'38	15♎13	17♏ 8	4♐41	20♏30	25♌57	29♒26	20♊27	24♍ 6	3♉18	11♊ 5	11♊ 5	12♒ 2	11♉52	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s16	8n16	5n 7	22s 5	2s31	9s42	1n15	11s17	0n25	14n25	0n46	13s37	1s49	23n19	0n 6	3n45	1n14	2s51	16s37	22n13	22n21	22s13	16s34	6n35
W 2	14 35	2 20	4 46	21 55	2 22	10 10	1 13	11 32	0 24	14 23	0 46	13 37	1 49	23 19	0 6	3 44	1 14	2 52	16 37	22 12	22 21	22 12	16 34	6 34
T 3	14 54	3s38	4 7	21 41	2 12	10 38	1 12	11 47	0 23	14 21	0 46	13 37	1 49	23 19	0 6	3 43	1 14	2 52	16 37	22 11	22 21	22 11	16 35	6 34
F 4	15 13	9 22	3 15	21 24	1 59	11 5	1 11	12 1	0 23	14 18	0 47	13 37	1 49	23 19	0 6	3 43	1 15	2 52	16 37	22 11	22 20	22 9	16 35	6 33
S 5	15 32	14 33	2 13	21 2	1 46	11 33	1 9	12 16	0 22	14 16	0 47	13 37	1 48	23 19	0 6	3 42	1 15	2 53	16 37	22 10	22 20	22 8	16 35	6 33
S 6	15 50	18 57	1 5	20 36	1 30	12 0	1 7	12 30	0 22	14 14	0 47	13 37	1 48	23 19	0 6	3 41	1 15	2 53	16 37	22 10	22 19	22 7	16 35	6 32
M 7	16 8	22 21	0s 4	20 7	1 13	12 26	1 6	12 45	0 21	14 13	0 47	13 36	1 48	23 19	0 6	3 41	1 15	2 53	16 37	22 10	22 19	22 5	16 35	6 32
T 8	16 26	24 35	1 12	19 33	0 55	12 53	1 4	12 59	0 21	14 11	0 48	13 36	1 48	23 18	0 6	3 40	1 15	2 53	16 37	22 10	22 19	22 4	16 35	6 32
W 9	16 44	25 35	2 16	18 57	0 36	13 19	1 2	13 13	0 20	14 9	0 48	13 36	1 48	23 18	0 6	3 40	1 15	2 54	16 37	22 10	22 18	22 3	16 35	6 31
T 10	17 1	25 21	3 12	18 17	0 15	13 44	1 1	13 27	0 20	14 7	0 48	13 35	1 48	23 18	0 6	3 39	1 15	2 54	16 37	22 10	22 18	22 1	16 35	6 31
F 11	17 18	23 57	4 0	17 36	0n 5	14 10	0 59	13 41	0 19	14 5	0 48	13 35	1 48	23 18	0 6	3 39	1 15	2 54	16 37	22 11	22 17	22 0	16 35	6 31
S 12	17 35	21 30	4 37	16 54	0 26	14 35	0 57	13 55	0 19	14 4	0 48	13 34	1 48	23 18	0 6	3 38	1 15	2 54	16 37	22 11	22 17	21 58	16 35	6 30
S 13	17 51	18 9	5 2	16 12	0 46	14 59	0 55	14 9	0 18	14 2	0 49	13 34	1 47	23 18	0 6	3 38	1 15	2 55	16 36	22 11	22 16	21 57	16 36	6 30
M14	18 7	14 3	5 14	15 33	1 5	15 24	0 53	14 23	0 17	14 1	0 49	13 33	1 47	23 18	0 6	3 37	1 15	2 55	16 36	22 11	22 16	21 56	16 36	6 30
T 15	18 23	9 20	5 13	14 56	1 22	15 47	0 51	14 36	0 17	13 59	0 49	13 33	1 47	23 18	0 6	3 36	1 15	2 55	16 36	22 10	22 16	21 54	16 36	6 29
W16	18 38	4 9	4 57	14 23	1 38	16 11	0 49	14 50	0 16	13 58	0 49	13 32	1 47	23 17	0 6	3 36	1 15	2 55	16 36	22 10	22 15	21 53	16 36	6 29
T 17	18 53	1n19	4 26	13 55	1 52	16 34	0 47	15 3	0 16	13 56	0 50	13 32	1 47	23 17	0 6	3 36	1 15	2 56	16 36	22 10	22 15	21 51	16 36	6 29
F 18	19 8	6 53	3 41	13 32	2 4	16 57	0 45	15 17	0 15	13 55	0 50	13 31	1 47	23 17	0 6	3 35	1 15	2 56	16 36	22 9	22 14	21 50	16 36	6 28
S 19	19 22	12 18	2 43	13 15	2 13	17 19	0 43	15 30	0 15	13 54	0 50	13 30	1 47	23 17	0 6	3 35	1 15	2 56	16 36	22 9	22 14	21 48	16 35	6 28
S 20	19 36	17 15	1 34	13 3	2 21	17 40	0 41	15 43	0 14	13 52	0 50	13 30	1 47	23 17	0 6	3 34	1 15	2 56	16 35	22 9	22 13	21 47	16 35	6 28
M21	19 50	21 22	0 18	12 56	2 27	18 2	0 39	15 56	0 13	13 51	0 51	13 29	1 46	23 17	0 7	3 34	1 15	2 56	16 35	22 9	22 13	21 46	16 35	6 27
T 22	20 3	24 15	1n 0	12 54	2 30	18 22	0 37	16 9	0 13	13 50	0 51	13 28	1 46	23 17	0 7	3 33	1 15	2 56	16 35	22 9	22 13	21 44	16 35	6 27
W23	20 16	25 36	2 16	12 57	2 33	18 43	0 34	16 21	0 12	13 49	0 51	13 27	1 46	23 16	0 7	3 33	1 15	2 57	16 35	22 9	22 12	21 43	16 35	6 27
T 24	20 29	25 13	3 23	13 4	2 34	19 2	0 32	16 34	0 12	13 48	0 51	13 26	1 46	23 16	0 7	3 32	1 15	2 57	16 35	22 9	22 12	21 41	16 35	6 26
F 25	20 41	23 10	4 17	13 15	2 33	19 21	0 30	16 46	0 11	13 47	0 52	13 25	1 46	23 16	0 7	3 32	1 15	2 57	16 35	22 9	22 11	21 40	16 35	6 26
S 26	20 53	19 40	4 55	13 29	2 32	19 40	0 28	16 59	0 11	13 46	0 52	13 24	1 46	23 16	0 7	3 32	1 15	2 57	16 34	22 9	22 11	21 38	16 35	6 26
S 27	21 4	15 3	5 14	13 46	2 29	19 58	0 25	17 11	0 10	13 45	0 52	13 23	1 46	23 16	0 7	3 31	1 16	2 57	16 34	22 9	22 10	21 37	16 35	6 26
M28	21 15	9 41	5 15	14 5	2 26	20 16	0 23	17 23	0 9	13 45	0 52	13 22	1 46	23 16	0 7	3 31	1 16	2 57	16 34	22 9	22 10	21 35	16 35	6 25
T 29	21 26	3 55	4 57	14 26	2 21	20 33	0 21	17 35	0 9	13 44	0 53	13 21	1 45	23 16	0 7	3 31	1 16	2 57	16 34	22 9	22 10	21 34	16 34	6 25
W30	21s36	1s58	4n23	14s48	2n17	20s49	0n18	17s47	0n 8	13n43	0n53	13s20	1s45	23n15	0n 7	3n30	1n16	2s57	16s34	22n 9	22n 9	21s32	16s34	6n25

Julian Day Number = 2309769.5, Delta T = 74.68 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'22, Lahiri = 18°26'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1611
geocentric

DECEMBER 1611 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 37 32	8♐29'34	28♎39	18♏15	5♐57	21♏12	26♌ 0	29♒29	20°R24	24♍ 7	3°R17	11°R 5	11♊ 2	12♒ 9	11♉57	T 1
F 2	4 41 29	9°30'32	11♏53	19°26	7°12	21°54	26° 2	29°32	20♊22	24° 8	3♉17	11♊ 5	10°59	12°16	12° 2	F 2
S 3	4 45 25	10°31'31	24°52	20°39	8°28	22°36	26° 4	29°35	20°19	24° 9	3°16	11° 4	10°55	12°22	12° 7	S 3
S 4	4 49 22	11°32'31	7♐39	21°55	9°43	23°18	26° 5	29°38	20°17	24° 9	3°15	11° 4	10°52	12°29	12°12	S 4
M 5	4 53 18	12°33'32	20°12	23°12	10°59	24° 1	26° 7	29°41	20°14	24°10	3°14	11° 4	10°49	12°36	12°17	M 5
T 6	4 57 15	13°34'34	2♑33	24°32	12°14	24°43	26° 8	29°44	20°12	24°11	3°13	11° 4	10°46	12°42	12°23	T 6
W 7	5 1 11	14°35'37	14°42	25°53	13°30	25°25	26°10	29°48	20° 9	24°12	3°12	11° 4	10°43	12°49	12°28	W 7
T 8	5 5 8	15°36'40	26°42	27°16	14°45	26° 8	26°11	29°51	20° 7	24°12	3°11	11° 3	10°40	12°56	12°33	T 8
F 9	5 9 5	16°37'44	8♒36	28°40	16° 1	26°50	26°11	29°55	20° 4	24°13	3°11	11° 3	10°36	13° 3	12°38	F 9
S 10	5 13 1	17°38'49	20°27	0♐ 5	17°16	27°32	26°12	29°59	20° 2	24°13	3°10	11° 2	10°33	13° 9	12°44	S 10
S 11	5 16 58	18°39'53	2♓19	1°31	18°32	28°15	26°12	0♓ 2	19°59	24°14	3° 9	11° 1	10°30	13°16	12°49	S 11
M12	5 20 54	19°40'58	14°15	2°57	19°48	28°57	26°R12	0° 6	19°56	24°15	3° 8	11°D 1	10°27	13°23	12°54	M12
T 13	5 24 51	20°42'04	26°22	4°24	21° 3	29°40	26°12	0°10	19°54	24°15	3° 8	11° 1	10°24	13°29	13° 0	T 13
W14	5 28 47	21°43'10	8♈43	5°52	22°19	0♐22	26°12	0°14	19°51	24°15	3° 7	11° 1	10°20	13°36	13° 5	W14
T 15	5 32 44	22°44'16	21°23	7°21	23°34	1° 5	26°12	0°18	19°49	24°16	3° 6	11° 2	10°17	13°43	13°10	T 15
F 16	5 36 40	23°45'22	4♉25	8°50	24°50	1°47	26°11	0°23	19°46	24°16	3° 6	11° 3	10°14	13°50	13°16	F 16
S 17	5 40 37	24°46'29	17°52	10°19	26° 5	2°30	26°11	0°27	19°44	24°17	3° 5	11° 4	10°11	13°56	13°21	S 17
S 18	5 44 34	25°47'35	1♊44	11°49	27°21	3°13	26°10	0°31	19°41	24°17	3° 4	11° 5	10° 8	14° 3	13°27	S 18
M19	5 48 30	26°48'43	16° 1	13°19	28°36	3°56	26° 8	0°36	19°38	24°17	3° 4	11°R 5	10° 5	14°10	13°32	M19
T 20	5 52 27	27°49'50	0♋36	14°50	29°52	4°38	26° 7	0°40	19°36	24°18	3° 3	11° 5	10° 1	14°16	13°38	T 20
W21	5 56 23	28°50'58	15°25	16°21	1♑ 7	5°21	26° 5	0°45	19°33	24°18	3° 3	11° 3	9°58	14°23	13°43	W21
T 22	6 0 20	29°52'06	0♌20	17°52	2°23	6° 4	26° 4	0°50	19°31	24°18	3° 2	11° 1	9°55	14°30	13°49	T 22
F 23	6 4 16	0♑53'15	15°11	19°23	3°38	6°47	26° 2	0°54	19°28	24°18	3° 2	10°58	9°52	14°37	13°54	F 23
S 24	6 8 13	1°54'24	29°53	20°55	4°53	7°30	26° 0	0°59	19°26	24°18	3° 1	10°55	9°49	14°43	14° 0	S 24
S 25	6 12 10	2°55'33	14♍18	22°27	6° 9	8°13	25°57	1° 4	19°23	24°18	3° 0	10°53	9°46	14°50	14° 6	S 25
M26	6 16 6	3°56'43	28°25	24° 0	7°24	8°56	25°55	1° 9	19°21	24°18	3° 0	10°D52	9°42	14°57	14°11	M26
T 27	6 20 3	4°57'53	12♎11	25°33	8°40	9°39	25°52	1°14	19°18	24°R18	3° 0	10°52	9°39	15° 3	14°17	T 27
W28	6 23 59	5°59'04	25°37	27° 6	9°55	10°22	25°49	1°19	19°16	24°18	2°59	10°53	9°36	15°10	14°22	W28
T 29	6 27 56	7° 0'15	8♏45	28°39	11°11	11° 5	25°46	1°24	19°14	24°18	2°59	10°55	9°33	15°17	14°28	T 29
F 30	6 31 52	8° 1'26	21°36	0♑13	12°26	11°49	25°43	1°30	19°11	24°18	2°58	10°57	9°30	15°23	14°34	F 30
S 31	6 35 49	9♑ 2'37	4♐14	1♑47	13♑42	12♐32	25♌39	1♓35	19♊ 9	24♍18	2♉58	10♊58	9♊26	15♒30	14♉39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s46	7s41	3n34	15s12	2n11	21s 5	0n16	17s59	0n 8	13n43	0n53	13s19	1s45	23n15	0n 7	3n30	1n16	2s58	16s33	22n 9	22n 9	21s31	16s34	6n25
F 2	21 55	12 58	2 35	15 37	2 5	21 20	0 14	18 10	0 7	13 42	0 53	13 18	1 45	23 15	0 7	3 30	1 16	2 58	16 33	22 9	22 8	21 29	16 34	6 24
S 3	22 4	17 35	1 29	16 2	1 59	21 35	0 11	18 22	0 6	13 42	0 54	13 17	1 45	23 15	0 7	3 29	1 16	2 58	16 33	22 9	22 8	21 28	16 34	6 24
S 4	22 13	21 19	0 19	16 28	1 53	21 49	0 9	18 33	0 6	13 42	0 54	13 16	1 45	23 15	0 7	3 29	1 16	2 58	16 33	22 9	22 7	21 26	16 33	6 24
M 5	22 21	23 58	0s50	16 54	1 46	22 2	0 7	18 44	0 5	13 41	0 54	13 14	1 45	23 14	0 7	3 29	1 16	2 58	16 32	22 9	22 7	21 25	16 33	6 24
T 6	22 29	25 24	1 56	17 21	1 39	22 14	0 4	18 55	0 5	13 41	0 54	13 13	1 45	23 14	0 7	3 29	1 16	2 58	16 32	22 9	22 6	21 23	16 33	6 23
W 7	22 36	25 36	2 56	17 47	1 32	22 26	0 2	19 6	0 4	13 41	0 55	13 12	1 44	23 14	0 7	3 28	1 16	2 58	16 32	22 9	22 6	21 22	16 33	6 23
T 8	22 43	24 34	3 47	18 13	1 24	22 38	0s 1	19 16	0 3	13 41	0 55	13 10	1 44	23 14	0 7	3 28	1 16	2 58	16 32	22 9	22 6	21 20	16 32	6 23
F 9	22 49	22 27	4 28	18 39	1 17	22 48	0 3	19 27	0 3	13 41	0 55	13 9	1 44	23 14	0 7	3 28	1 16	2 58	16 31	22 9	22 5	21 18	16 32	6 23
S 10	22 55	19 23	4 57	19 5	1 9	22 58	0 5	19 37	0 2	13 41	0 55	13 8	1 44	23 14	0 7	3 28	1 16	2 58	16 31	22 9	22 5	21 17	16 32	6 23
S 11	23 0	15 32	5 13	19 30	1 2	23 7	0 8	19 47	0 1	13 41	0 56	13 6	1 44	23 13	0 7	3 28	1 16	2 58	16 31	22 9	22 4	21 15	16 31	6 23
M12	23 5	11 4	5 16	19 54	0 54	23 16	0 10	19 57	0 1	13 41	0 56	13 5	1 44	23 13	0 7	3 28	1 16	2 58	16 31	22 9	22 4	21 14	16 31	6 22
T 13	23 10	6 7	5 6	20 18	0 47	23 24	0 13	20 7	0 0	13 41	0 56	13 3	1 44	23 13	0 7	3 27	1 16	2 58	16 30	22 9	22 3	21 12	16 31	6 22
W14	23 14	0 50	4 41	20 41	0 39	23 31	0 15	20 17	0s 0	13 42	0 56	13 2	1 44	23 13	0 7	3 27	1 16	2 58	16 30	22 9	22 3	21 11	16 30	6 22
T 15	23 17	4n37	4 2	21 4	0 32	23 37	0 17	20 26	0 1	13 42	0 57	13 0	1 44	23 13	0 7	3 27	1 16	2 58	16 30	22 9	22 2	21 9	16 30	6 22
F 16	23 21	10 3	3 9	21 25	0 24	23 43	0 20	20 36	0 2	13 43	0 57	12 59	1 43	23 12	0 7	3 27	1 16	2 58	16 30	22 9	22 2	21 7	16 30	6 22
S 17	23 23	15 12	2 5	21 46	0 17	23 48	0 22	20 45	0 2	13 43	0 57	12 57	1 43	23 12	0 7	3 27	1 17	2 58	16 29	22 9	22 1	21 6	16 29	6 22
S 18	23 25	19 43	0 52	22 6	0 9	23 52	0 24	20 54	0 3	13 44	0 58	12 55	1 43	23 12	0 7	3 27	1 17	2 58	16 29	22 9	22 1	21 4	16 29	6 22
M19	23 27	23 12	0n27	22 25	0 2	23 56	0 27	21 2	0 4	13 44	0 58	12 54	1 43	23 12	0 7	3 27	1 17	2 58	16 29	22 9	22 0	21 3	16 28	6 21
T 20	23 28	25 15	1 46	22 42	0s 5	23 58	0 29	21 11	0 4	13 45	0 58	12 52	1 43	23 12	0 7	3 27	1 17	2 57	16 28	22 9	22 0	21 1	16 28	6 21
W21	23 29	25 33	2 58	22 59	0 12	24 0	0 31	21 19	0 5	13 46	0 58	12 50	1 43	23 12	0 7	3 27	1 17	2 57	16 28	22 9	22 0	20 59	16 28	6 21
T 22	23 29	24 1	3 59	23 15	0 19	24 1	0 33	21 27	0 6	13 47	0 59	12 48	1 43	23 11	0 7	3 27	1 17	2 57	16 28	22 9	21 59	20 58	16 27	6 21
F 23	23 29	20 50	4 44	23 30	0 26	24 2	0 36	21 35	0 6	13 47	0 59	12 47	1 43	23 11	0 7	3 27	1 17	2 57	16 27	22 8	21 59	20 56	16 27	6 21
S 24	23 29	16 21	5 9	23 43	0 32	24 2	0 38	21 43	0 7	13 48	0 59	12 45	1 43	23 11	0 7	3 27	1 17	2 57	16 27	22 8	21 58	20 54	16 26	6 21
S 25	23 27	11 1	5 14	23 55	0 39	24 1	0 40	21 51	0 8	13 49	0 59	12 43	1 43	23 11	0 7	3 27	1 17	2 57	16 27	22 8	21 58	20 53	16 26	6 21
M26	23 26	5 13	5 0	24 6	0 45	23 59	0 42	21 58	0 8	13 51	1 0	12 41	1 43	23 11	0 7	3 27	1 17	2 57	16 27	22 7	21 57	20 51	16 25	6 21
T 27	23 24	0s41	4 29	24 16	0 51	23 56	0 44	22 5	0 9	13 52	1 0	12 39	1 42	23 10	0 7	3 27	1 17	2 57	16 26	22 7	21 57	20 49	16 25	6 21
W28	23 21	6 27	3 44	24 25	0 57	23 53	0 46	22 12	0 10	13 53	1 0	12 37	1 42	23 10	0 7	3 27	1 17	2 56	16 26	22 8	21 56	20 48	16 24	6 21
T 29	23 18	11 48	2 48	24 32	1 3	23 49	0 48	22 19	0 10	13 54	1 0	12 35	1 42	23 10	0 7	3 27	1 17	2 56	16 26	22 8	21 56	20 46	16 24	6 21
F 30	23 15	16 31	1 44	24 38	1 9	23 44	0 50	22 26	0 11	13 56	1 1	12 33	1 42	23 10	0 7	3 27	1 17	2 56	16 25	22 8	21 55	20 44	16 23	6 21
S 31	23s11	20s26	0n37	24s43	1s14	23s39	0s52	22s32	0s12	13n57	1n 1	12s31	1s42	23n10	0n 7	3n27	1n17	2s56	16s25	22n 8	21n55	20s43	16s22	6n21

Julian Day Number = 2309799.5, Delta T = 74.59 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'26, Lahiri = 18°26'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

JANUARY 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 39 45	10♑ 3'49	16♐41	3♑22	14♑57	13♐15	25°R36	1♓40	19°R 6	24°R18	2°R58	10°R58	9♊23	15♒37	14♑45	S 1
M 2	6 43 42	11° 5'00	28°58	4°57	16°13	13°58	25♌32	1°46	19♊ 4	24♍18	2♉57	10♊56	9°20	15°44	14°51	M 2
T 3	6 47 39	12° 6'11	11♑ 6	6°32	17°28	14°42	25°28	1°51	19° 2	24°17	2°57	10°53	9°17	15°50	14°56	T 3
W 4	6 51 35	13° 7'23	23° 7	8° 8	18°44	15°25	25°24	1°57	19° 0	24°17	2°57	10°49	9°14	15°57	15° 2	W 4
T 5	6 55 32	14° 8'33	5♒ 4	9°44	19°59	16° 9	25°19	2° 3	18°57	24°17	2°56	10°43	9°11	16° 4	15° 7	T 5
F 6	6 59 28	15° 9'44	16°56	11°20	21°14	16°52	25°15	2° 8	18°55	24°17	2°56	10°36	9° 7	16°10	15°13	F 6
S 7	7 3 25	16°10'53	28°47	12°58	22°30	17°36	25°10	2°14	18°53	24°16	2°56	10°29	9° 4	16°17	15°19	S 7
S 8	7 7 21	17°12'03	10♓38	14°35	23°45	18°19	25° 5	2°20	18°51	24°16	2°56	10°23	9° 1	16°24	15°24	S 8
M 9	7 11 18	18°13'11	22°34	16°13	25° 1	19° 3	25° 0	2°26	18°49	24°15	2°55	10°18	8°58	16°31	15°30	M 9
T 10	7 15 14	19°14'19	4♈38	17°52	26°16	19°46	24°55	2°32	18°46	24°15	2°55	10°15	8°55	16°37	15°36	T 10
W11	7 19 11	20°15'26	16°54	19°31	27°31	20°30	24°50	2°38	18°44	24°14	2°55	10°D14	8°52	16°44	15°41	W11
T 12	7 23 8	21°16'33	29°27	21°10	28°47	21°14	24°44	2°44	18°42	24°14	2°55	10°14	8°48	16°51	15°47	T 12
F 13	7 27 4	22°17'38	12♉21	22°50	0♒ 2	21°58	24°39	2°50	18°40	24°13	2°55	10°15	8°45	16°57	15°53	F 13
S 14	7 31 1	23°18'43	25°41	24°31	1°18	22°41	24°33	2°56	18°38	24°13	2°55	10°17	8°42	17° 4	15°58	S 14
S 15	7 34 57	24°19'47	9♊29	26°12	2°33	23°25	24°27	3° 3	18°36	24°12	2°55	10°R17	8°39	17°11	16° 4	S 15
M16	7 38 54	25°20'50	23°46	27°53	3°48	24° 9	24°21	3° 9	18°34	24°12	2°55	10°17	8°36	17°18	16° 9	M16
T 17	7 42 50	26°21'52	8♋29	29°36	5° 3	24°53	24°15	3°15	18°32	24°11	2°D55	10°14	8°32	17°24	16°15	T 17
W18	7 46 47	27°22'53	23°32	1♒18	6°19	25°37	24° 8	3°22	18°31	24°10	2°55	10° 9	8°29	17°31	16°20	W18
T 19	7 50 44	28°23'54	8♌47	3° 2	7°34	26°21	24° 2	3°28	18°29	24° 9	2°55	10° 2	8°26	17°38	16°26	T 19
F 20	7 54 40	29°24'54	24° 2	4°45	8°49	27° 5	23°55	3°35	18°27	24° 9	2°55	9°54	8°23	17°44	16°32	F 20
S 21	7 58 37	0♒25'53	9♍ 8	6°29	10° 5	27°49	23°49	3°41	18°25	24° 8	2°55	9°46	8°20	17°51	16°37	S 21
S 22	8 2 33	1°26'51	23°54	8°14	11°20	28°33	23°42	3°48	18°24	24° 7	2°55	9°40	8°17	17°58	16°43	S 22
M23	8 6 30	2°27'48	8♎15	9°59	12°35	29°17	23°35	3°54	18°22	24° 6	2°55	9°35	8°13	18° 5	16°48	M23
T 24	8 10 26	3°28'45	22° 9	11°44	13°50	0♑ 1	23°28	4° 1	18°20	24° 5	2°55	9°32	8°10	18°11	16°53	T 24
W25	8 14 23	4°29'41	5♏36	13°29	15° 6	0°45	23°21	4° 8	18°19	24° 4	2°55	9°D32	8° 7	18°18	16°59	W25
T 26	8 18 19	5°30'37	18°39	15°15	16°21	1°30	23°14	4°14	18°17	24° 3	2°56	9°32	8° 4	18°25	17° 4	T 26
F 27	8 22 16	6°31'32	1♐21	17° 0	17°36	2°14	23° 7	4°21	18°16	24° 2	2°56	9°33	8° 1	18°31	17°10	F 27
S 28	8 26 12	7°32'26	13°46	18°46	18°51	2°58	22°59	4°28	18°14	24° 1	2°56	9°R33	7°57	18°38	17°15	S 28
S 29	8 30 9	8°33'19	25°59	20°30	20° 6	3°42	22°52	4°35	18°13	24° 0	2°56	9°32	7°54	18°45	17°21	S 29
M30	8 34 6	9°34'11	8♑ 3	22°14	21°21	4°27	22°44	4°42	18°12	23°59	2°57	9°28	7°51	18°52	17°26	M30
T 31	8 38 2	10♒35'02	20♑ 1	23♒58	22♒37	5♑11	22♌37	4♓48	18♊10	23♍58	2♉57	9♊21	7♊48	18♒58	17♑31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 6	23s20	0s31	24s46	1s19	23s33	0s54	22s38	0s12	13n58	1n 1	12s29	1s42	23n 9	0n 7	3n27	1n17	2s56	16s25	22n 8	21n54	20s41	16s22	6n21
M 2	23 2	25 6	1 37	24 48	1 24	23 26	0 56	22 44	0 13	14 0	1 1	12 27	1 42	23 9	0 7	3 27	1 17	2 55	16 24	22 8	21 54	20 39	16 21	6 21
T 3	22 56	25 38	2 37	24 49	1 29	23 18	0 58	22 50	0 14	14 2	1 2	12 25	1 42	23 9	0 7	3 27	1 17	2 55	16 24	22 7	21 53	20 38	16 21	6 21
W 4	22 51	24 57	3 30	24 48	1 34	23 10	1 0	22 56	0 14	14 3	1 2	12 23	1 42	23 9	0 7	3 28	1 17	2 55	16 24	22 7	21 53	20 36	16 20	6 21
T 5	22 44	23 8	4 13	24 46	1 38	23 1	1 1	23 1	0 15	14 5	1 2	12 21	1 42	23 9	0 7	3 28	1 18	2 55	16 23	22 6	21 52	20 34	16 19	6 21
F 6	22 38	20 19	4 45	24 42	1 42	22 51	1 3	23 6	0 16	14 7	1 2	12 19	1 42	23 9	0 7	3 28	1 18	2 55	16 23	22 5	21 52	20 32	16 19	6 21
S 7	22 30	16 40	5 4	24 37	1 46	22 40	1 5	23 11	0 16	14 8	1 3	12 17	1 42	23 8	0 7	3 28	1 18	2 54	16 23	22 4	21 51	20 31	16 18	6 21
S 8	22 23	12 22	5 10	24 30	1 49	22 29	1 6	23 15	0 17	14 10	1 3	12 15	1 42	23 8	0 7	3 28	1 18	2 54	16 22	22 3	21 51	20 29	16 17	6 21
M 9	22 15	7 36	5 3	24 22	1 52	22 17	1 8	23 20	0 18	14 12	1 3	12 12	1 41	23 8	0 7	3 28	1 18	2 54	16 22	22 2	21 50	20 27	16 17	6 21
T 10	22 6	2 29	4 43	24 12	1 55	22 5	1 10	23 24	0 18	14 14	1 3	12 10	1 41	23 8	0 7	3 29	1 18	2 53	16 22	22 2	21 50	20 25	16 16	6 21
W11	21 58	2n49	4 9	24 0	1 58	21 52	1 11	23 28	0 19	14 16	1 3	12 8	1 41	23 8	0 7	3 29	1 18	2 53	16 21	22 2	21 49	20 24	16 15	6 21
T 12	21 48	8 8	3 23	23 48	2 0	21 38	1 12	23 32	0 20	14 18	1 4	12 6	1 41	23 8	0 7	3 29	1 18	2 53	16 21	22 2	21 49	20 22	16 15	6 21
F 13	21 39	13 16	2 26	23 33	2 2	21 23	1 14	23 35	0 20	14 20	1 4	12 3	1 41	23 7	0 7	3 29	1 18	2 53	16 20	22 2	21 48	20 20	16 14	6 21
S 14	21 28	17 57	1 18	23 17	2 3	21 8	1 15	23 38	0 21	14 22	1 4	12 1	1 41	23 7	0 7	3 30	1 18	2 52	16 20	22 2	21 48	20 18	16 13	6 21
S 15	21 18	21 51	0 4	22 59	2 4	20 52	1 16	23 41	0 22	14 25	1 4	11 59	1 41	23 7	0 7	3 30	1 18	2 52	16 20	22 2	21 48	20 17	16 13	6 21
M16	21 7	24 33	1n12	22 40	2 5	20 36	1 18	23 44	0 22	14 27	1 5	11 57	1 41	23 7	0 7	3 30	1 18	2 52	16 19	22 2	21 47	20 15	16 12	6 21
T 17	20 55	25 39	2 26	22 19	2 5	20 19	1 19	23 47	0 23	14 29	1 5	11 54	1 41	23 7	0 7	3 31	1 18	2 51	16 19	22 2	21 47	20 13	16 11	6 22
W18	20 44	24 54	3 32	21 56	2 5	20 1	1 20	23 49	0 24	14 31	1 5	11 52	1 41	23 7	0 7	3 31	1 18	2 51	16 19	22 1	21 46	20 11	16 10	6 22
T 19	20 32	22 19	4 23	21 32	2 4	19 43	1 21	23 51	0 25	14 34	1 5	11 49	1 41	23 6	0 7	3 31	1 18	2 51	16 18	22 0	21 46	20 9	16 10	6 22
F 20	20 19	18 10	4 55	21 6	2 3	19 25	1 22	23 53	0 25	14 36	1 5	11 47	1 41	23 6	0 7	3 32	1 18	2 50	16 18	21 59	21 45	20 8	16 9	6 22
S 21	20 6	12 54	5 7	20 39	2 1	19 5	1 23	23 54	0 26	14 39	1 6	11 45	1 41	23 6	0 7	3 32	1 18	2 50	16 18	21 58	21 45	20 6	16 8	6 22
S 22	19 53	6 59	4 57	20 10	1 59	18 45	1 24	23 56	0 27	14 41	1 6	11 42	1 41	23 6	0 7	3 32	1 18	2 50	16 17	21 57	21 44	20 4	16 7	6 22
M23	19 39	0 51	4 29	19 39	1 57	18 25	1 25	23 57	0 27	14 43	1 6	11 40	1 41	23 6	0 7	3 33	1 18	2 49	16 17	21 56	21 44	20 2	16 6	6 22
T 24	19 25	5s 9	3 46	19 7	1 53	18 4	1 25	23 58	0 28	14 46	1 6	11 37	1 41	23 6	0 7	3 33	1 18	2 49	16 17	21 56	21 43	20 0	16 6	6 23
W25	19 11	10 43	2 52	18 33	1 49	17 43	1 26	23 58	0 29	14 48	1 6	11 35	1 41	23 6	0 7	3 34	1 18	2 48	16 16	21 56	21 42	19 59	16 5	6 23
T 26	18 56	15 39	1 50	17 58	1 45	17 21	1 27	23 58	0 30	14 51	1 6	11 32	1 41	23 5	0 7	3 34	1 19	2 48	16 16	21 56	21 42	19 57	16 4	6 23
F 27	18 41	19 45	0 44	17 22	1 40	16 59	1 27	23 59	0 30	14 54	1 7	11 30	1 41	23 5	0 7	3 34	1 19	2 48	16 16	21 56	21 41	19 55	16 3	6 23
S 28	18 25	22 53	0s23	16 44	1 34	16 36	1 28	23 58	0 31	14 56	1 7	11 27	1 41	23 5	0 7	3 35	1 19	2 47	16 15	21 56	21 41	19 53	16 2	6 23
S 29	18 10	24 52	1 27	16 4	1 28	16 12	1 28	23 58	0 32	14 59	1 7	11 25	1 41	23 5	0 7	3 35	1 19	2 47	16 15	21 56	21 40	19 51	16 1	6 23
M30	17 54	25 40	2 26	15 24	1 20	15 49	1 29	23 57	0 32	15 1	1 7	11 22	1 41	23 5	0 7	3 36	1 19	2 46	16 14	21 55	21 40	19 49	16 1	6 24
T 31	17s37	25s16	3s18	14s42	1s13	15s24	1s29	23s56	0s33	15n 4	1n 7	11s20	1s41	23n 5	0n 7	3n36	1n19	2s46	16s14	21n54	21n39	19s47	16s 0	6n24

Julian Day Number = 2309830.5, Delta T = 74.50 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'30, Lahiri = 18°26'31Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1612
geocentric

FEBRUARY 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 41 59	11♒35'52	1♒56	25♒40	23♒52	5♉56	22°R29	4♓55	18°R 9	23°R57	2♉57	9°R11	7♊45	19♒ 5	17♉36	W 1
T 2	8 45 55	12°36'41	13°48	27°20	25° 7	6°40	22♌21	5° 2	18♊ 8	23♍56	2°58	9♊ 0	7°42	19°12	17°42	T 2
F 3	8 49 52	13°37'29	25°40	28°59	26°22	7°25	22°14	5° 9	18° 7	23°55	2°58	8°47	7°38	19°18	17°47	F 3
S 4	8 53 48	14°38'15	7♓32	0♓35	27°37	8° 9	22° 6	5°16	18° 6	23°54	2°58	8°33	7°35	19°25	17°52	S 4
S 5	8 57 45	15°39'00	19°27	2° 8	28°52	8°54	21°58	5°23	18° 5	23°52	2°59	8°21	7°32	19°32	17°57	S 5
M 6	9 1 42	16°39'43	1♈25	3°37	0♓ 7	9°38	21°50	5°31	18° 4	23°51	2°59	8°11	7°29	19°39	18° 2	M 6
T 7	9 5 38	17°40'24	13°31	5° 3	1°22	10°23	21°42	5°38	18° 3	23°50	3° 0	8° 3	7°26	19°45	18° 7	T 7
W 8	9 9 35	18°41'04	25°47	6°23	2°37	11° 8	21°34	5°45	18° 2	23°49	3° 0	7°58	7°23	19°52	18°13	W 8
T 9	9 13 31	19°41'42	8♉17	7°38	3°52	11°52	21°26	5°52	18° 1	23°47	3° 0	7°56	7°19	19°59	18°18	T 9
F 10	9 17 28	20°42'19	21° 5	8°47	5° 7	12°37	21°18	5°59	18° 0	23°46	3° 1	7°D55	7°16	20° 5	18°23	F 10
S 11	9 21 24	21°42'54	4♊16	9°49	6°22	13°22	21°10	6° 6	17°59	23°45	3° 2	7°R55	7°13	20°12	18°28	S 11
S 12	9 25 21	22°43'27	17°53	10°44	7°37	14° 6	21° 3	6°14	17°59	23°43	3° 2	7°55	7°10	20°19	18°32	S 12
M13	9 29 17	23°43'58	1♋58	11°30	8°51	14°51	20°55	6°21	17°58	23°42	3° 3	7°53	7° 7	20°26	18°37	M13
T 14	9 33 14	24°44'28	16°32	12° 7	10° 6	15°36	20°47	6°28	17°57	23°41	3° 3	7°49	7° 3	20°32	18°42	T 14
W15	9 37 11	25°44'55	1♌30	12°35	11°21	16°21	20°39	6°35	17°57	23°39	3° 4	7°41	7° 0	20°39	18°47	W15
T 16	9 41 7	26°45'21	16°45	12°53	12°36	17° 6	20°31	6°43	17°56	23°38	3° 4	7°32	6°57	20°46	18°52	T 16
F 17	9 45 4	27°45'45	2♍ 7	13°R 1	13°51	17°51	20°23	6°50	17°56	23°36	3° 5	7°20	6°54	20°53	18°56	F 17
S 18	9 49 0	28°46'08	17°25	12°59	15° 5	18°36	20°15	6°57	17°55	23°35	3° 6	7° 9	6°51	20°59	19° 1	S 18
S 19	9 52 57	29°46'28	2♎25	12°47	16°20	19°21	20° 8	7° 4	17°55	23°33	3° 6	6°59	6°48	21° 6	19° 6	S 19
M20	9 56 53	0♓46'48	17° 1	12°26	17°35	20° 6	20° 0	7°12	17°55	23°32	3° 7	6°51	6°44	21°13	19°10	M20
T 21	10 0 50	1°47'05	1♏ 8	11°55	18°49	20°51	19°52	7°19	17°55	23°30	3° 8	6°46	6°41	21°19	19°15	T 21
W22	10 4 46	2°47'22	14°44	11°17	20° 4	21°36	19°45	7°26	17°54	23°29	3° 9	6°43	6°38	21°26	19°19	W22
T 23	10 8 43	3°47'37	27°51	10°31	21°19	22°21	19°37	7°34	17°54	23°27	3° 9	6°43	6°35	21°33	19°24	T 23
F 24	10 12 39	4°47'50	10♐34	9°38	22°33	23° 6	19°30	7°41	17°54	23°26	3°10	6°42	6°32	21°40	19°28	F 24
S 25	10 16 36	5°48'02	22°58	8°42	23°48	23°51	19°22	7°48	17°D54	23°24	3°11	6°42	6°29	21°46	19°33	S 25
S 26	10 20 33	6°48'12	5♑ 6	7°42	25° 2	24°36	19°15	7°56	17°54	23°23	3°12	6°40	6°25	21°53	19°37	S 26
M27	10 24 29	7°48'21	17° 5	6°40	26°17	25°22	19° 8	8° 3	17°54	23°21	3°13	6°35	6°22	22° 0	19°41	M27
T 28	10 28 26	8°48'28	28°58	5°38	27°31	26° 7	19° 1	8°10	17°54	23°20	3°14	6°27	6°19	22° 6	19°45	T 28
W29	10 32 22	9♓48'34	10♒48	4♓37	28♓46	26♉52	18♌54	8♓18	17♊55	23♍18	3♉14	6♊17	6♊16	22♒13	19♉50	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s21	23s41	4s 1	14s 0	1s 4	15s 0	1s29	23s55	0s34	15n 7	1n 7	11s17	1s41	23n 5	0n 7	3n37	1n19	2s46	16s14	21n53	21n39	19s46	15s59	6n24
T 2	17 4	21 5	4 34	13 17	0 55	14 35	1 29	23 54	0 35	15 9	1 8	11 15	1 41	23 5	0 7	3 37	1 19	2 45	16 13	21 51	21 38	19 44	15 58	6 24
F 3	16 46	17 36	4 54	12 33	0 44	14 9	1 29	23 52	0 35	15 12	1 8	11 12	1 41	23 5	0 7	3 38	1 19	2 45	16 13	21 49	21 38	19 42	15 57	6 24
S 4	16 29	13 25	5 2	11 49	0 33	13 44	1 29	23 50	0 36	15 15	1 8	11 9	1 41	23 4	0 7	3 38	1 19	2 44	16 13	21 47	21 37	19 40	15 56	6 25
S 5	16 11	8 43	4 56	11 5	0 22	13 17	1 29	23 48	0 37	15 17	1 8	11 7	1 41	23 4	0 7	3 39	1 19	2 44	16 12	21 45	21 37	19 38	15 55	6 25
M 6	15 53	3 41	4 38	10 21	0 9	12 51	1 29	23 46	0 37	15 20	1 8	11 4	1 41	23 4	0 7	3 39	1 19	2 43	16 12	21 43	21 36	19 36	15 54	6 25
T 7	15 34	1n34	4 7	9 37	0n 4	12 24	1 29	23 43	0 38	15 23	1 8	11 2	1 41	23 4	0 7	3 40	1 19	2 43	16 12	21 42	21 36	19 34	15 53	6 25
W 8	15 15	6 49	3 24	8 55	0 18	11 57	1 29	23 40	0 39	15 25	1 8	10 59	1 41	23 4	0 7	3 40	1 19	2 42	16 11	21 41	21 35	19 32	15 53	6 26
T 9	14 57	11 56	2 30	8 14	0 32	11 29	1 29	23 37	0 40	15 28	1 8	10 56	1 41	23 4	0 7	3 41	1 19	2 42	16 11	21 41	21 35	19 30	15 52	6 26
F 10	14 37	16 39	1 28	7 34	0 47	11 1	1 28	23 34	0 40	15 31	1 8	10 54	1 41	23 4	0 7	3 41	1 19	2 41	16 11	21 41	21 34	19 28	15 51	6 26
S 11	14 18	20 43	0 19	6 57	1 2	10 33	1 28	23 30	0 41	15 33	1 9	10 51	1 41	23 4	0 7	3 42	1 19	2 41	16 10	21 41	21 34	19 27	15 50	6 27
S 12	13 58	23 48	0n53	6 22	1 18	10 5	1 27	23 26	0 42	15 36	1 9	10 48	1 41	23 4	0 7	3 43	1 19	2 40	16 10	21 41	21 33	19 25	15 49	6 27
M13	13 38	25 32	2 4	5 50	1 33	9 36	1 27	23 22	0 43	15 39	1 9	10 46	1 41	23 4	0 7	3 43	1 19	2 40	16 10	21 40	21 33	19 23	15 48	6 27
T 14	13 18	25 35	3 9	5 21	1 49	9 7	1 26	23 18	0 43	15 41	1 9	10 43	1 41	23 4	0 7	3 44	1 19	2 39	16 9	21 40	21 32	19 21	15 47	6 28
W15	12 58	23 49	4 3	4 56	2 5	8 38	1 25	23 13	0 44	15 44	1 9	10 40	1 41	23 4	0 7	3 44	1 19	2 39	16 9	21 38	21 32	19 19	15 46	6 28
T 16	12 37	20 19	4 41	4 35	2 20	8 9	1 25	23 8	0 45	15 46	1 9	10 38	1 41	23 4	0 7	3 45	1 19	2 38	16 9	21 37	21 31	19 17	15 45	6 28
F 17	12 17	15 23	4 59	4 18	2 34	7 39	1 24	23 3	0 45	15 49	1 9	10 35	1 41	23 4	0 7	3 45	1 19	2 38	16 8	21 35	21 31	19 15	15 44	6 28
S 18	11 56	9 31	4 56	4 6	2 48	7 10	1 23	22 57	0 46	15 51	1 9	10 32	1 41	23 4	0 7	3 46	1 19	2 37	16 8	21 33	21 30	19 13	15 43	6 29
S 19	11 35	3 11	4 32	3 59	3 1	6 40	1 22	22 52	0 47	15 54	1 9	10 29	1 41	23 4	0 7	3 47	1 19	2 37	16 8	21 31	21 29	19 11	15 42	6 29
M20	11 13	3s 9	3 50	3 57	3 13	6 10	1 21	22 46	0 48	15 56	1 9	10 27	1 41	23 4	0 7	3 47	1 19	2 36	16 7	21 30	21 29	19 9	15 41	6 29
T 21	10 52	9 8	2 56	3 59	3 22	5 39	1 20	22 40	0 48	15 59	1 9	10 24	1 41	23 4	0 7	3 48	1 19	2 36	16 7	21 29	21 28	19 7	15 40	6 30
W22	10 30	14 29	1 53	4 6	3 31	5 9	1 19	22 34	0 49	16 1	1 9	10 21	1 41	23 4	0 7	3 49	1 19	2 35	16 7	21 29	21 28	19 5	15 39	6 30
T 23	10 8	18 58	0 47	4 18	3 37	4 38	1 18	22 27	0 50	16 4	1 9	10 19	1 41	23 4	0 7	3 49	1 19	2 35	16 6	21 29	21 27	19 3	15 38	6 31
F 24	9 46	22 25	0s20	4 33	3 41	4 8	1 16	22 20	0 50	16 6	1 9	10 16	1 41	23 4	0 7	3 50	1 20	2 34	16 6	21 29	21 27	19 1	15 37	6 31
S 25	9 24	24 43	1 25	4 52	3 44	3 37	1 15	22 13	0 51	16 8	1 9	10 13	1 41	23 4	0 7	3 50	1 20	2 34	16 6	21 28	21 26	18 59	15 36	6 31
S 26	9 2	25 47	2 24	5 15	3 44	3 6	1 14	22 6	0 52	16 11	1 9	10 11	1 41	23 4	0 7	3 51	1 20	2 33	16 6	21 28	21 26	18 57	15 35	6 32
M27	8 40	25 38	3 16	5 39	3 41	2 35	1 12	21 58	0 53	16 13	1 9	10 8	1 41	23 4	0 7	3 52	1 20	2 33	16 5	21 27	21 25	18 55	15 34	6 32
T 28	8 17	24 18	3 59	6 6	3 37	2 4	1 11	21 51	0 53	16 15	1 9	10 5	1 41	23 4	0 7	3 52	1 20	2 32	16 5	21 26	21 25	18 53	15 33	6 33
W29	7s54	21s54	4s31	6s34	3n31	1s33	1s 9	21s43	0s54	16n17	1n 9	10s 2	1s41	23n 4	0n 7	3n53	1n20	2s32	16s 5	21n24	21n24	18s51	15s33	6n33

Julian Day Number = 2309861.5, Delta T = 74.41 sec
Ecliptic obliquity = 23°29'26, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'35, Lahiri = 18°26'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

MARCH 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 36 19	10♓48'37	22♒39	3°R38	0♈ 0	27♉37	18°R47	8♓25	17♊55	23°R16	3♉15	6°R 4	6♊13	22♒20	19♉54	T 1
F 2	10 40 15	11°48'39	4♓32	2♓43	1°14	28°23	18♌40	8°33	17°55	23♍15	3°16	5♊49	6° 9	22°27	19°58	F 2
S 3	10 44 12	12°48'39	16°29	1°53	2°29	29° 8	18°33	8°40	17°55	23°13	3°17	5°34	6° 6	22°33	20° 2	S 3
S 4	10 48 8	13°48'37	28°30	1° 7	3°43	29°53	18°27	8°47	17°56	23°11	3°18	5°20	6° 3	22°40	20° 6	S 4
M 5	10 52 5	14°48'33	10♈37	0°28	4°57	0♒39	18°20	8°55	17°56	23°10	3°19	5° 8	6° 0	22°47	20° 9	M 5
T 6	10 56 2	15°48'26	22°51	29♒55	6°12	1°24	18°14	9° 2	17°57	23° 8	3°20	4°59	5°57	22°53	20°13	T 6
W 7	10 59 58	16°48'18	5♉15	29°28	7°26	2° 9	18° 8	9° 9	17°57	23° 7	3°21	4°53	5°54	23° 0	20°17	W 7
T 8	11 3 55	17°48'08	17°50	29° 8	8°40	2°55	18° 2	9°16	17°58	23° 5	3°22	4°50	5°50	23° 7	20°21	T 8
F 9	11 7 51	18°47'55	0♊41	28°54	9°54	3°40	17°56	9°24	17°59	23° 3	3°23	4°D49	5°47	23°14	20°24	F 9
S 10	11 11 48	19°47'40	13°49	28°46	11° 8	4°26	17°50	9°31	17°59	23° 2	3°24	4°R49	5°44	23°20	20°28	S 10
S 11	11 15 44	20°47'23	27°19	28°D45	12°22	5°11	17°44	9°38	18° 0	23° 0	3°25	4°49	5°41	23°27	20°32	S 11
M12	11 19 41	21°47'04	11♋12	28°49	13°36	5°56	17°39	9°46	18° 1	22°58	3°26	4°47	5°38	23°34	20°35	M12
T 13	11 23 37	22°46'42	25°30	29° 0	14°50	6°42	17°33	9°53	18° 2	22°57	3°27	4°44	5°35	23°41	20°38	T 13
W14	11 27 34	23°46'18	10♌11	29°15	16° 4	7°27	17°28	10° 0	18° 3	22°55	3°28	4°38	5°31	23°47	20°42	W14
T 15	11 31 31	24°45'51	25°11	29°36	17°18	8°13	17°23	10° 7	18° 4	22°53	3°29	4°29	5°28	23°54	20°45	T 15
F 16	11 35 27	25°45'23	10♍20	0♓ 2	18°32	8°59	17°18	10°14	18° 5	22°52	3°30	4°19	5°25	24° 1	20°48	F 16
S 17	11 39 24	26°44'52	25°28	0°33	19°46	9°44	17°13	10°22	18° 6	22°50	3°32	4° 9	5°22	24° 7	20°51	S 17
S 18	11 43 20	27°44'19	10♎26	1° 7	21° 0	10°30	17° 9	10°29	18° 7	22°48	3°33	4° 0	5°19	24°14	20°54	S 18
M19	11 47 17	28°43'44	25° 5	1°46	22°13	11°15	17° 4	10°36	18° 8	22°47	3°34	3°52	5°15	24°21	20°57	M19
T 20	11 51 13	29°43'07	9♏17	2°29	23°27	12° 1	17° 0	10°43	18°10	22°45	3°35	3°47	5°12	24°28	21° 0	T 20
W21	11 55 10	0♈42'29	23° 0	3°15	24°41	12°46	16°56	10°50	18°11	22°43	3°36	3°45	5° 9	24°34	21° 3	W21
T 22	11 59 6	1°41'48	6♐15	4° 5	25°54	13°32	16°52	10°57	18°12	22°42	3°37	3°D44	5° 6	24°41	21° 6	T 22
F 23	12 3 3	2°41'06	19° 5	4°58	27° 8	14°18	16°48	11° 4	18°14	22°40	3°38	3°45	5° 3	24°48	21° 9	F 23
S 24	12 7 0	3°40'22	1♑32	5°54	28°21	15° 3	16°45	11°11	18°15	22°38	3°40	3°R46	5° 0	24°54	21°12	S 24
S 25	12 10 56	4°39'37	13°43	6°53	29°35	15°49	16°41	11°18	18°17	22°37	3°41	3°45	4°56	25° 1	21°14	S 25
M26	12 14 53	5°38'49	25°43	7°54	0♉48	16°35	16°38	11°25	18°18	22°35	3°42	3°43	4°53	25° 8	21°17	M26
T 27	12 18 49	6°38'00	7♒35	8°58	2° 2	17°20	16°35	11°32	18°20	22°34	3°43	3°38	4°50	25°15	21°19	T 27
W28	12 22 46	7°37'09	19°26	10° 5	3°15	18° 6	16°32	11°39	18°21	22°32	3°45	3°32	4°47	25°21	21°22	W28
T 29	12 26 42	8°36'16	1♓18	11°14	4°28	18°52	16°29	11°46	18°23	22°30	3°46	3°23	4°44	25°28	21°24	T 29
F 30	12 30 39	9°35'21	13°14	12°25	5°42	19°37	16°27	11°53	18°25	22°29	3°47	3°13	4°40	25°35	21°26	F 30
S 31	12 34 35	10♈34'24	25♓16	13♓39	6♉55	20♒23	16♌25	11♓59	18♊27	22♍27	3♉48	3♊ 2	4♊37	25♒41	21♉28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s32	18s34	4s51	7s 2	3n23	1s 2	1s 7	21s35	0s55	16n20	1n 9	10s 0	1s41	23n 4	0n 7	3n54	1n20	2s31	16s 4	21n22	21n23	18s49	15s32	6n33
F 2	7 9	14 30	4 59	7 31	3 13	0 31	1 6	21 26	0 55	16 22	1 9	9 57	1 41	23 4	0 7	3 54	1 20	2 30	16 4	21 19	21 23	18 47	15 31	6 34
S 3	6 46	9 51	4 54	7 59	3 3	0n 1	1 4	21 18	0 56	16 24	1 9	9 54	1 41	23 4	0 7	3 55	1 20	2 30	16 4	21 17	21 22	18 45	15 30	6 34
S 4	6 23	4 49	4 36	8 26	2 51	0 32	1 2	21 9	0 57	16 26	1 9	9 52	1 41	23 4	0 7	3 56	1 20	2 29	16 4	21 14	21 22	18 43	15 29	6 35
M 5	6 0	0n28	4 5	8 52	2 38	1 3	1 0	21 0	0 58	16 28	1 9	9 49	1 41	23 4	0 7	3 56	1 20	2 29	16 3	21 12	21 21	18 41	15 28	6 35
T 6	5 37	5 47	3 22	9 17	2 24	1 34	0 58	20 50	0 58	16 30	1 9	9 46	1 42	23 4	0 7	3 57	1 20	2 28	16 3	21 11	21 21	18 39	15 27	6 35
W 7	5 13	10 57	2 29	9 39	2 10	2 6	0 56	20 41	0 59	16 32	1 9	9 43	1 42	23 4	0 7	3 58	1 20	2 28	16 3	21 9	21 20	18 37	15 26	6 36
T 8	4 50	15 46	1 29	10 0	1 55	2 37	0 54	20 31	1 0	16 34	1 9	9 41	1 42	23 4	0 7	3 58	1 20	2 27	16 3	21 9	21 20	18 35	15 25	6 36
F 9	4 26	19 59	0 22	10 18	1 41	3 8	0 52	20 21	1 0	16 35	1 9	9 38	1 42	23 4	0 7	3 59	1 20	2 27	16 2	21 9	21 19	18 33	15 24	6 37
S 10	4 3	23 18	0n48	10 35	1 26	3 39	0 50	20 11	1 1	16 37	1 9	9 35	1 42	23 4	0 7	4 0	1 20	2 26	16 2	21 9	21 18	18 30	15 23	6 37
S 11	3 39	25 24	1 56	10 49	1 12	4 10	0 48	20 1	1 2	16 39	1 9	9 33	1 42	23 4	0 7	4 0	1 20	2 25	16 2	21 9	21 18	18 28	15 22	6 38
M12	3 16	26 0	3 0	11 1	0 57	4 41	0 46	19 50	1 2	16 41	1 9	9 30	1 42	23 4	0 7	4 1	1 20	2 25	16 2	21 8	21 17	18 26	15 21	6 38
T 13	2 52	24 56	3 55	11 10	0 43	5 11	0 44	19 39	1 3	16 42	1 9	9 27	1 42	23 4	0 7	4 2	1 20	2 24	16 1	21 8	21 17	18 24	15 20	6 39
W14	2 29	22 8	4 35	11 18	0 30	5 42	0 41	19 28	1 4	16 44	1 9	9 25	1 42	23 4	0 7	4 2	1 20	2 24	16 1	21 7	21 16	18 22	15 19	6 39
T 15	2 5	17 50	4 58	11 23	0 16	6 13	0 39	19 17	1 5	16 45	1 9	9 22	1 42	23 4	0 7	4 3	1 20	2 23	16 1	21 5	21 16	18 20	15 18	6 40
F 16	1 41	12 20	5 0	11 26	0 3	6 43	0 37	19 6	1 5	16 47	1 9	9 19	1 42	23 5	0 7	4 4	1 20	2 23	16 1	21 3	21 15	18 18	15 17	6 40
S 17	1 18	6 6	4 42	11 27	0s 9	7 13	0 34	18 55	1 6	16 48	1 9	9 17	1 42	23 5	0 7	4 4	1 20	2 22	16 0	21 1	21 15	18 16	15 16	6 41
S 18	0 54	0s24	4 4	11 26	0 21	7 43	0 32	18 43	1 7	16 49	1 9	9 14	1 43	23 5	0 7	4 5	1 20	2 21	16 0	21 0	21 14	18 14	15 15	6 41
M19	0 30	6 46	3 10	11 23	0 33	8 13	0 29	18 31	1 7	16 51	1 9	9 11	1 43	23 5	0 7	4 6	1 20	2 21	16 0	20 58	21 13	18 12	15 14	6 42
T 20	0 7	12 37	2 6	11 17	0 44	8 43	0 27	18 19	1 8	16 52	1 9	9 9	1 43	23 5	0 7	4 6	1 20	2 20	16 0	20 57	21 13	18 9	15 13	6 42
W21	0n17	17 39	0 57	11 11	0 54	9 12	0 24	18 7	1 9	16 53	1 9	9 6	1 43	23 5	0 7	4 7	1 20	2 20	16 0	20 57	21 12	18 7	15 12	6 43
T 22	0 41	21 37	0s13	11 2	1 4	9 42	0 21	17 54	1 9	16 54	1 9	9 4	1 43	23 5	0 7	4 8	1 20	2 19	15 59	20 57	21 12	18 5	15 11	6 43
F 23	1 4	24 23	1 21	10 51	1 14	10 11	0 19	17 42	1 10	16 55	1 8	9 1	1 43	23 5	0 7	4 8	1 20	2 19	15 59	20 57	21 11	18 3	15 11	6 44
S 24	1 28	25 52	2 23	10 39	1 22	10 40	0 16	17 29	1 11	16 56	1 8	8 58	1 43	23 5	0 7	4 9	1 20	2 18	15 59	20 57	21 11	18 1	15 10	6 44
S 25	1 51	26 2	3 17	10 25	1 31	11 8	0 13	17 16	1 11	16 57	1 8	8 56	1 43	23 6	0 7	4 10	1 20	2 18	15 59	20 57	21 10	17 59	15 9	6 45
M26	2 15	24 59	4 1	10 9	1 39	11 37	0 11	17 3	1 12	16 58	1 8	8 53	1 43	23 6	0 7	4 10	1 20	2 17	15 59	20 56	21 9	17 57	15 8	6 45
T 27	2 38	22 50	4 34	9 52	1 46	12 5	0 8	16 49	1 13	16 59	1 8	8 51	1 43	23 6	0 7	4 11	1 20	2 16	15 59	20 56	21 9	17 54	15 7	6 46
W28	3 2	19 42	4 56	9 33	1 53	12 33	0 5	16 36	1 13	17 0	1 8	8 48	1 44	23 6	0 7	4 11	1 20	2 16	15 58	20 54	21 8	17 52	15 6	6 46
T 29	3 25	15 46	5 5	9 12	1 59	13 0	0 2	16 22	1 14	17 0	1 8	8 46	1 44	23 6	0 7	4 12	1 20	2 15	15 58	20 53	21 8	17 50	15 5	6 47
F 30	3 48	11 13	5 0	8 50	2 5	13 27	0n 0	16 9	1 14	17 1	1 8	8 43	1 44	23 6	0 7	4 13	1 20	2 15	15 58	20 51	21 7	17 48	15 4	6 47
S 31	4n12	6s12	4s43	8s27	2s10	13n54	0n 3	15s55	1s15	17n 2	1n 8	8s41	1s44	23n 6	0n 7	4n13	1n20	2s14	15s58	20n49	21n 7	17s46	15s 3	6n48

Julian Day Number = 2309890.5, Delta T = 74.32 sec
Ecliptic obliquity = 23°29'27, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'39, Lahiri = 18°26'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

APRIL 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 38 32	11♈33'25	7♈26	14♓54	8♉ 8	21♒ 9	16°R22	12♓ 6	18♊28	22°R26	3♉50	2°R52	4♊34	25♒48	21♑30	S 1
M 2	12 42 29	12°32'24	19°45	16°12	9°21	21°55	16♌20	12°13	18°30	22♏24	3°51	2♊44	4°31	25°55	21°32	M 2
T 3	12 46 25	13°31'21	2♉14	17°32	10°34	22°40	16°19	12°20	18°32	22°23	3°52	2°38	4°28	26° 2	21°34	T 3
W 4	12 50 22	14°30'16	14°53	18°53	11°47	23°26	16°17	12°26	18°34	22°21	3°53	2°34	4°25	26° 8	21°36	W 4
T 5	12 54 18	15°29'08	27°44	20°16	13° 0	24°12	16°16	12°33	18°36	22°20	3°55	2°D33	4°21	26°15	21°38	T 5
F 6	12 58 15	16°27'59	10♊47	21°41	14°13	24°57	16°15	12°39	18°38	22°18	3°56	2°33	4°18	26°22	21°40	F 6
S 7	13 2 11	17°26'47	24° 5	23° 8	15°26	25°43	16°14	12°46	18°40	22°17	3°57	2°34	4°15	26°29	21°41	S 7
S 8	13 6 8	18°25'34	7♋38	24°37	16°39	26°29	16°13	12°52	18°42	22°15	3°59	2°35	4°12	26°35	21°43	S 8
M 9	13 10 4	19°24'17	21°29	26° 7	17°52	27°15	16°12	12°59	18°44	22°14	4° 0	2°R35	4° 9	26°42	21°45	M 9
T 10	13 14 1	20°22'59	5♌36	27°39	19° 4	28° 0	16°12	13° 5	18°47	22°12	4° 1	2°34	4° 6	26°49	21°46	T 10
W11	13 17 58	21°21'38	20° 0	29°13	20°17	28°46	16°11	13°11	18°49	22°11	4° 3	2°32	4° 2	26°55	21°47	W11
T 12	13 21 54	22°20'15	4♍37	0♈48	21°30	29°32	16°D11	13°18	18°51	22°10	4° 4	2°27	3°59	27° 2	21°49	T 12
F 13	13 25 51	23°18'50	19°21	2°25	22°42	0♓17	16°12	13°24	18°54	22° 8	4° 5	2°22	3°56	27° 9	21°50	F 13
S 14	13 29 47	24°17'22	4♎ 7	4° 4	23°55	1° 3	16°12	13°30	18°56	22° 7	4° 7	2°16	3°53	27°16	21°51	S 14
S 15	13 33 44	25°15'53	18°45	5°44	25° 7	1°49	16°12	13°36	18°58	22° 5	4° 8	2°11	3°50	27°22	21°52	S 15
M16	13 37 40	26°14'21	3♏ 9	7°26	26°20	2°34	16°13	13°42	19° 1	22° 4	4° 9	2° 6	3°46	27°29	21°53	M16
T 17	13 41 37	27°12'48	17°13	9°10	27°32	3°20	16°14	13°48	19° 3	22° 3	4°11	2° 4	3°43	27°36	21°54	T 17
W18	13 45 33	28°11'13	0♐54	10°55	28°44	4° 6	16°15	13°54	19° 6	22° 2	4°12	2°D 3	3°40	27°42	21°55	W18
T 19	13 49 30	29° 9'36	14°10	12°42	29°56	4°51	16°16	14° 0	19° 8	22° 0	4°14	2° 3	3°37	27°49	21°55	T 19
F 20	13 53 26	0♑ 7'58	27° 3	14°31	1♊ 8	5°37	16°18	14° 6	19°11	21°59	4°15	2° 5	3°34	27°56	21°56	F 20
S 21	13 57 23	1° 6'18	9♒35	16°21	2°20	6°23	16°19	14°12	19°14	21°58	4°16	2° 7	3°31	28° 3	21°57	S 21
S 22	14 1 20	2° 4'37	21°50	18°14	3°33	7° 8	16°21	14°18	19°16	21°57	4°18	2° 8	3°27	28° 9	21°57	S 22
M23	14 5 16	3° 2'54	3♒52	20° 7	4°44	7°54	16°23	14°23	19°19	21°55	4°19	2°R 8	3°24	28°16	21°58	M23
T 24	14 9 13	4° 1'09	15°48	22° 3	5°56	8°40	16°25	14°29	19°22	21°54	4°20	2° 8	3°21	28°23	21°58	T 24
W25	14 13 9	4°59'23	27°40	24° 0	7° 8	9°25	16°27	14°35	19°24	21°53	4°22	2° 6	3°18	28°30	21°58	W25
T 26	14 17 6	5°57'35	9♓34	25°59	8°20	10°11	16°30	14°40	19°27	21°52	4°23	2° 3	3°15	28°36	21°58	T 26
F 27	14 21 2	6°55'46	21°33	28° 0	9°32	10°56	16°32	14°46	19°30	21°51	4°24	1°59	3°12	28°43	21°59	F 27
S 28	14 24 59	7°53'55	3♈41	0♉ 2	10°43	11°42	16°35	14°51	19°33	21°50	4°26	1°55	3° 8	28°50	21°R59	S 28
S 29	14 28 55	8°52'03	16° 0	2° 6	11°55	12°27	16°38	14°56	19°36	21°49	4°27	1°51	3° 5	28°56	21°59	S 29
M30	14 32 52	9♉50'09	28♈31	4♉11	13♊ 6	13♓13	16♌41	15♓ 2	19♊39	21♏48	4♉29	1♊48	3♊ 2	29♒ 3	21♑58	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n35	0s54	4s12	8s 2	2s15	14n21	0n 6	15s41	1s16	17n 2	1n 8	8s38	1s44	23n 7	0n 7	4n14	1n20	2s14	15s58	20n47	21n 6	17s43	15s 3	6n48
M 2	4 58	4n31	3 29	7 35	2 19	14 47	0 9	15 26	1 16	17 3	1 8	8 36	1 44	23 7	0 7	4 15	1 20	2 13	15 58	20 45	21 5	17 41	15 2	6 49
T 3	5 21	9 50	2 36	7 8	2 23	15 13	0 12	15 12	1 17	17 3	1 7	8 33	1 44	23 7	0 7	4 15	1 20	2 13	15 57	20 44	21 5	17 39	15 1	6 50
W 4	5 44	14 51	1 34	6 39	2 26	15 38	0 15	14 57	1 18	17 4	1 7	8 31	1 45	23 7	0 7	4 16	1 20	2 12	15 57	20 43	21 4	17 37	15 0	6 50
T 5	6 7	19 17	0 26	6 8	2 29	16 3	0 17	14 43	1 18	17 4	1 7	8 29	1 45	23 7	0 7	4 16	1 20	2 12	15 57	20 43	21 4	17 35	14 59	6 51
F 6	6 29	22 51	0n44	5 37	2 31	16 28	0 20	14 28	1 19	17 4	1 7	8 26	1 45	23 8	0 7	4 17	1 20	2 11	15 57	20 43	21 3	17 32	14 58	6 51
S 7	6 52	25 15	1 54	5 4	2 32	16 52	0 23	14 13	1 19	17 4	1 7	8 24	1 45	23 8	0 7	4 17	1 20	2 10	15 57	20 43	21 2	17 30	14 58	6 52
S 8	7 14	26 14	2 58	4 29	2 33	17 16	0 26	13 58	1 20	17 4	1 7	8 22	1 45	23 8	0 7	4 18	1 20	2 10	15 57	20 43	21 2	17 28	14 57	6 52
M 9	7 37	25 37	3 54	3 54	2 34	17 39	0 29	13 43	1 21	17 5	1 7	8 19	1 45	23 8	0 7	4 19	1 20	2 9	15 57	20 43	21 1	17 26	14 56	6 53
T 10	7 59	23 22	4 36	3 17	2 34	18 2	0 32	13 28	1 21	17 5	1 7	8 17	1 45	23 8	0 7	4 19	1 20	2 9	15 57	20 43	21 1	17 24	14 55	6 53
W11	8 21	19 37	5 2	2 40	2 33	18 25	0 35	13 12	1 22	17 5	1 7	8 15	1 46	23 8	0 7	4 20	1 20	2 8	15 57	20 43	21 0	17 21	14 54	6 54
T 12	8 43	14 38	5 9	2 1	2 32	18 47	0 38	12 57	1 22	17 4	1 6	8 12	1 46	23 9	0 7	4 20	1 20	2 8	15 56	20 42	20 59	17 19	14 54	6 55
F 13	9 5	8 45	4 56	1 21	2 31	19 9	0 41	12 41	1 23	17 4	1 6	8 10	1 46	23 9	0 7	4 21	1 20	2 7	15 56	20 41	20 59	17 17	14 53	6 55
S 14	9 26	2 23	4 23	0 39	2 29	19 30	0 43	12 25	1 23	17 4	1 6	8 8	1 46	23 9	0 7	4 21	1 20	2 7	15 56	20 40	20 58	17 15	14 52	6 56
S 15	9 48	4s 4	3 34	0n 3	2 26	19 50	0 46	12 10	1 24	17 4	1 6	8 6	1 46	23 9	0 7	4 22	1 20	2 6	15 56	20 38	20 58	17 12	14 52	6 56
M16	10 9	10 14	2 31	0 46	2 23	20 10	0 49	11 54	1 24	17 4	1 6	8 3	1 46	23 9	0 7	4 22	1 20	2 6	15 56	20 38	20 57	17 10	14 51	6 57
T 17	10 30	15 44	1 20	1 30	2 19	20 30	0 52	11 38	1 25	17 3	1 6	8 1	1 46	23 10	0 7	4 23	1 20	2 5	15 56	20 37	20 56	17 8	14 50	6 57
W18	10 51	20 17	0 6	2 15	2 15	20 49	0 55	11 21	1 26	17 3	1 6	7 59	1 47	23 10	0 7	4 23	1 20	2 5	15 56	20 37	20 56	17 6	14 49	6 58
T 19	11 12	23 38	1s 6	3 1	2 11	21 7	0 58	11 5	1 26	17 2	1 6	7 57	1 47	23 10	0 7	4 24	1 20	2 4	15 56	20 37	20 55	17 3	14 49	6 59
F 20	11 33	25 40	2 12	3 48	2 6	21 25	1 0	10 49	1 27	17 2	1 5	7 55	1 47	23 10	0 7	4 24	1 20	2 4	15 56	20 37	20 55	17 1	14 48	6 59
S 21	11 53	26 19	3 11	4 36	2 0	21 42	1 3	10 32	1 27	17 1	1 5	7 53	1 47	23 11	0 7	4 25	1 20	2 3	15 56	20 38	20 54	16 59	14 47	7 0
S 22	12 13	25 39	3 59	5 25	1 54	21 59	1 6	10 16	1 28	17 0	1 5	7 51	1 47	23 11	0 7	4 25	1 20	2 3	15 56	20 38	20 53	16 56	14 47	7 0
M23	12 33	23 48	4 36	6 14	1 47	22 15	1 9	9 59	1 28	17 0	1 5	7 49	1 48	23 11	0 7	4 26	1 20	2 3	15 56	20 38	20 53	16 54	14 46	7 1
T 24	12 53	20 55	5 0	7 4	1 40	22 31	1 11	9 43	1 29	16 59	1 5	7 47	1 48	23 11	0 7	4 26	1 19	2 2	15 56	20 38	20 52	16 52	14 46	7 1
W25	13 13	17 11	5 12	7 54	1 32	22 46	1 14	9 26	1 29	16 58	1 5	7 45	1 48	23 11	0 7	4 26	1 19	2 2	15 56	20 38	20 52	16 49	14 45	7 2
T 26	13 32	12 47	5 10	8 45	1 24	23 0	1 17	9 9	1 30	16 57	1 5	7 43	1 48	23 12	0 7	4 27	1 19	2 1	15 56	20 37	20 51	16 47	14 44	7 3
F 27	13 51	7 53	4 55	9 36	1 16	23 14	1 19	8 52	1 30	16 56	1 5	7 41	1 48	23 12	0 7	4 27	1 19	2 1	15 56	20 36	20 50	16 45	14 44	7 3
S 28	14 10	2 37	4 27	10 28	1 7	23 27	1 22	8 35	1 31	16 55	1 4	7 39	1 48	23 12	0 7	4 28	1 19	2 0	15 56	20 35	20 50	16 43	14 43	7 4
S 29	14 29	2n50	3 45	11 20	0 58	23 39	1 24	8 18	1 31	16 54	1 4	7 37	1 49	23 12	0 7	4 28	1 19	2 0	15 56	20 35	20 49	16 40	14 43	7 4
M30	14n48	8n17	2s53	12n11	0s48	23n51	1n27	8s 1	1s31	16n53	1n 4	7s35	1s49	23n13	0n 7	4n28	1n19	1s59	15s56	20n34	20n49	16s38	14s42	7n 5

Julian Day Number = 2309921.5, Delta T = 74.23 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'43, Lahiri = 18°26'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

MAY 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 49	10♉48'13	11♉17	6♉17	14♊18	13♓58	16♌45	15♓ 7	19♊42	21°R47	4♉30	1°R46	2♊59	29♒10	21°R58	T 1
W 2	14 40 45	11°46'16	24°16	8°25	15°29	14°44	16°48	15°12	19°45	21♍46	4°31	1♊45	2°56	29°17	21♂58	W 2
T 3	14 44 42	12°44'17	7♊28	10°34	16°41	15°29	16°52	15°17	19°48	21°45	4°33	1°D45	2°52	29°23	21°58	T 3
F 4	14 48 38	13°42'17	20°54	12°43	17°52	16°15	16°56	15°22	19°51	21°44	4°34	1°45	2°49	29°30	21°57	F 4
S 5	14 52 35	14°40'15	4♋32	14°54	19° 3	17° 0	17° 0	15°27	19°54	21°43	4°35	1°46	2°46	29°37	21°57	S 5
S 6	14 56 31	15°38'11	18°21	17° 4	20°14	17°45	17° 4	15°32	19°57	21°43	4°37	1°48	2°43	29°44	21°56	S 6
M 7	15 0 28	16°36'05	2♌20	19°15	21°25	18°31	17° 8	15°37	20° 0	21°42	4°38	1°49	2°40	29°50	21°55	M 7
T 8	15 4 24	17°33'57	16°28	21°26	22°36	19°16	17°13	15°41	20° 3	21°41	4°39	1°R49	2°37	29°57	21°55	T 8
W 9	15 8 21	18°31'48	0♍43	23°36	23°47	20° 1	17°18	15°46	20° 6	21°40	4°41	1°49	2°33	0♓ 4	21°54	W 9
T 10	15 12 18	19°29'36	15° 2	25°46	24°58	20°47	17°22	15°50	20° 9	21°39	4°42	1°48	2°30	0°10	21°53	T 10
F 11	15 16 14	20°27'23	29°22	27°55	26° 9	21°32	17°27	15°55	20°12	21°39	4°43	1°47	2°27	0°17	21°52	F 11
S 12	15 20 11	21°25'08	13♎39	0♊ 2	27°19	22°17	17°33	15°59	20°16	21°38	4°45	1°45	2°24	0°24	21°51	S 12
S 13	15 24 7	22°22'52	27°50	2° 8	28°30	23° 2	17°38	16° 4	20°19	21°37	4°46	1°44	2°21	0°31	21°50	S 13
M14	15 28 4	23°20'34	11♏48	4°13	29°40	23°47	17°43	16° 8	20°22	21°37	4°47	1°44	2°18	0°37	21°49	M14
T 15	15 32 0	24°18'15	25°32	6°15	0♋51	24°32	17°49	16°12	20°26	21°36	4°49	1°D43	2°14	0°44	21°47	T 15
W16	15 35 57	25°15'55	8♐59	8°16	2° 1	25°17	17°55	16°16	20°29	21°36	4°50	1°43	2°11	0°51	21°46	W16
T 17	15 39 53	26°13'33	22° 6	10°14	3°11	26° 2	18° 1	16°20	20°32	21°35	4°51	1°43	2° 8	0°57	21°45	T 17
F 18	15 43 50	27°11'10	4♑55	12° 9	4°21	26°47	18° 7	16°24	20°35	21°35	4°53	1°44	2° 5	1° 4	21°43	F 18
S 19	15 47 47	28° 8'46	17°26	14° 2	5°31	27°32	18°13	16°28	20°39	21°34	4°54	1°44	2° 2	1°11	21°42	S 19
S 20	15 51 43	29° 6'21	29°42	15°53	6°41	28°17	18°19	16°32	20°42	21°34	4°55	1°45	1°58	1°18	21°40	S 20
M21	15 55 40	0♊ 3'55	11♒47	17°40	7°51	29° 2	18°26	16°36	20°46	21°33	4°56	1°45	1°55	1°24	21°39	M21
T 22	15 59 36	1° 1'28	23°44	19°25	9° 1	29°47	18°32	16°39	20°49	21°33	4°58	1°45	1°52	1°31	21°37	T 22
W23	16 3 33	1°59'01	5♓37	21° 7	10°10	0♈32	18°39	16°43	20°52	21°33	4°59	1°45	1°49	1°38	21°35	W23
T 24	16 7 29	2°56'32	17°32	22°46	11°20	1°16	18°46	16°46	20°56	21°32	5° 0	1°45	1°46	1°45	21°33	T 24
F 25	16 11 26	3°54'02	29°33	24°22	12°29	2° 1	18°53	16°49	20°59	21°32	5° 1	1°45	1°43	1°51	21°31	F 25
S 26	16 15 22	4°51'32	11♈44	25°55	13°39	2°46	19° 0	16°53	21° 3	21°32	5° 3	1°45	1°39	1°58	21°29	S 26
S 27	16 19 19	5°49'01	24° 8	27°26	14°48	3°30	19° 7	16°56	21° 6	21°32	5° 4	1°46	1°36	2° 5	21°27	S 27
M28	16 23 16	6°46'29	6♉49	28°53	15°57	4°15	19°14	16°59	21°10	21°32	5° 5	1°46	1°33	2°11	21°25	M28
T 29	16 27 12	7°43'56	19°48	0♋17	17° 6	4°59	19°22	17° 2	21°13	21°31	5° 6	1°47	1°30	2°18	21°23	T 29
W30	16 31 9	8°41'23	3♊ 6	1°38	18°15	5°44	19°30	17° 5	21°17	21°31	5° 7	1°R47	1°27	2°25	21°21	W30
T 31	16 35 5	9♊38'49	16♊42	2♋56	19♋24	6♈28	19♌37	17♓ 8	21♊20	21♍31	5♉ 8	1♊46	1♊23	2♓32	21♂18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 6	13n30	1s50	13n 3	0s38	24n 2	1n29	7s44	1s32	16n52	1n 4	7s33	1s49	23n13	0n 7	4n29	1n19	1s59	15s56	20n34	20n48	16s36	14s42	7n 5
W 2	15 24	18 13	0 41	13 54	0 28	24 13	1 31	7 27	1 32	16 51	1 4	7 31	1 49	23 13	0 7	4 29	1 19	1 59	15 56	20 33	20 47	16 33	14 41	7 6
T 3	15 42	22 7	0n32	14 45	0 18	24 23	1 34	7 9	1 33	16 50	1 4	7 30	1 49	23 13	0 7	4 29	1 19	1 58	15 56	20 33	20 47	16 31	14 41	7 7
F 4	15 59	24 54	1 44	15 35	0 7	24 32	1 36	6 52	1 33	16 48	1 4	7 28	1 50	23 13	0 7	4 30	1 19	1 58	15 56	20 33	20 46	16 29	14 40	7 7
S 5	16 16	26 16	2 51	16 24	0n 3	24 40	1 38	6 35	1 34	16 47	1 4	7 26	1 50	23 14	0 7	4 30	1 19	1 57	15 56	20 34	20 45	16 26	14 40	7 8
S 6	16 33	26 1	3 50	17 11	0 14	24 48	1 40	6 17	1 34	16 46	1 3	7 24	1 50	23 14	0 7	4 30	1 19	1 57	15 56	20 34	20 45	16 24	14 39	7 8
M 7	16 50	24 9	4 35	17 58	0 24	24 55	1 43	6 0	1 34	16 44	1 3	7 23	1 50	23 14	0 7	4 31	1 19	1 57	15 56	20 34	20 44	16 21	14 39	7 9
T 8	17 7	20 46	5 5	18 43	0 35	25 1	1 45	5 43	1 35	16 43	1 3	7 21	1 50	23 14	0 7	4 31	1 19	1 56	15 56	20 34	20 44	16 19	14 38	7 9
W 9	17 23	16 9	5 16	19 26	0 45	25 7	1 47	5 25	1 35	16 41	1 3	7 19	1 51	23 15	0 7	4 31	1 19	1 56	15 56	20 34	20 43	16 17	14 38	7 10
T 10	17 39	10 38	5 7	20 8	0 55	25 12	1 49	5 8	1 35	16 40	1 3	7 18	1 51	23 15	0 7	4 32	1 19	1 56	15 56	20 34	20 42	16 14	14 37	7 10
F 11	17 54	4 32	4 40	20 47	1 4	25 16	1 50	4 50	1 36	16 38	1 3	7 16	1 51	23 15	0 7	4 32	1 19	1 55	15 56	20 34	20 42	16 12	14 37	7 11
S 12	18 9	1s47	3 55	21 24	1 14	25 20	1 52	4 32	1 36	16 36	1 3	7 15	1 51	23 15	0 7	4 32	1 19	1 55	15 56	20 33	20 41	16 10	14 37	7 11
S 13	18 24	7 58	2 57	21 59	1 22	25 23	1 54	4 15	1 37	16 35	1 3	7 13	1 52	23 16	0 8	4 32	1 19	1 54	15 56	20 33	20 40	16 7	14 36	7 12
M14	18 39	13 42	1 48	22 31	1 30	25 25	1 56	3 57	1 37	16 33	1 3	7 12	1 52	23 16	0 8	4 32	1 19	1 54	15 56	20 33	20 40	16 5	14 36	7 12
T 15	18 53	18 38	0 34	23 0	1 38	25 27	1 57	3 40	1 37	16 31	1 2	7 10	1 52	23 16	0 8	4 33	1 19	1 54	15 57	20 33	20 39	16 2	14 36	7 13
W16	19 7	22 30	0s40	23 27	1 45	25 27	1 59	3 22	1 37	16 29	1 2	7 9	1 52	23 16	0 8	4 33	1 19	1 54	15 57	20 33	20 39	16 0	14 35	7 14
T 17	19 21	25 6	1 51	23 51	1 51	25 27	2 0	3 4	1 38	16 27	1 2	7 8	1 52	23 17	0 8	4 33	1 19	1 53	15 57	20 33	20 38	15 58	14 35	7 14
F 18	19 34	26 18	2 54	24 13	1 56	25 27	2 2	2 47	1 38	16 25	1 2	7 6	1 53	23 17	0 8	4 33	1 19	1 53	15 57	20 33	20 37	15 55	14 35	7 15
S 19	19 47	26 6	3 47	24 32	2 1	25 25	2 3	2 29	1 38	16 23	1 2	7 5	1 53	23 17	0 8	4 33	1 19	1 53	15 57	20 33	20 37	15 53	14 35	7 15
S 20	20 0	24 38	4 29	24 49	2 5	25 23	2 4	2 12	1 39	16 21	1 2	7 4	1 53	23 17	0 8	4 33	1 19	1 52	15 57	20 33	20 36	15 50	14 34	7 16
M21	20 12	22 3	4 58	25 3	2 8	25 21	2 5	1 54	1 39	16 19	1 2	7 3	1 53	23 18	0 8	4 34	1 19	1 52	15 57	20 33	20 35	15 48	14 34	7 16
T 22	20 24	18 34	5 14	25 14	2 11	25 17	2 6	1 36	1 39	16 17	1 2	7 1	1 54	23 18	0 8	4 34	1 19	1 52	15 57	20 33	20 35	15 45	14 34	7 17
W23	20 36	14 22	5 16	25 23	2 12	25 13	2 7	1 19	1 39	16 15	1 2	7 0	1 54	23 18	0 8	4 34	1 19	1 51	15 57	20 33	20 34	15 43	14 34	7 17
T 24	20 48	9 37	5 5	25 30	2 13	25 8	2 8	1 1	1 40	16 12	1 1	6 59	1 54	23 18	0 8	4 34	1 19	1 51	15 58	20 33	20 34	15 41	14 33	7 17
F 25	20 58	4 28	4 40	25 35	2 13	25 3	2 9	0 43	1 40	16 10	1 1	6 58	1 54	23 19	0 8	4 34	1 19	1 51	15 58	20 33	20 33	15 38	14 33	7 18
S 26	21 9	0n55	4 3	25 38	2 12	24 56	2 10	0 26	1 40	16 8	1 1	6 57	1 54	23 19	0 8	4 34	1 19	1 51	15 58	20 33	20 32	15 36	14 33	7 18
S 27	21 19	6 23	3 14	25 39	2 11	24 50	2 10	0 8	1 40	16 5	1 1	6 56	1 55	23 19	0 8	4 34	1 19	1 50	15 58	20 34	20 32	15 33	14 33	7 19
M28	21 29	11 43	2 14	25 38	2 8	24 42	2 11	0n 9	1 41	16 3	1 1	6 55	1 55	23 19	0 8	4 34	1 18	1 50	15 58	20 34	20 31	15 31	14 33	7 19
T 29	21 39	16 40	1 6	25 35	2 5	24 34	2 11	0 27	1 41	16 1	1 1	6 54	1 55	23 20	0 8	4 34	1 18	1 50	15 58	20 34	20 30	15 28	14 33	7 20
W30	21 48	20 57	0n 7	25 30	2 1	24 25	2 12	0 44	1 41	15 58	1 1	6 53	1 55	23 20	0 8	4 34	1 18	1 50	15 58	20 34	20 30	15 26	14 33	7 20
T 31	21n57	24n11	1n22	25n24	1n57	24n16	2n12	1n 2	1s41	15n56	1n 1	6s52	1s56	23n20	0n 8	4n34	1n18	1s50	15s59	20n34	20n29	15s23	14s33	7n21

Julian Day Number = 2309951.5, Delta T = 74.15 sec
Ecliptic obliquity = 23°29'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'47, Lahiri = 18°26'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

JUNE 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 39 2	10♊36'13	0♋34	4♋10	20♋33	7♈12	19♌45	17♓10	21♊24	21°R31	5♉10	1°R46	1♊20	2♓38	21°R16	F 1
S 2	16 42 58	11°33'37	14°39	5°22	21°41	7°57	19°53	17°13	21°27	21°D31	5°11	1♊45	1°17	2°45	21♂14	S 2
S 3	16 46 55	12°31'00	28°53	6°30	22°50	8°41	20° 1	17°16	21°31	21♍31	5°12	1°44	1°14	2°52	21°11	S 3
M 4	16 50 52	13°28'22	13♌11	7°35	23°58	9°25	20°10	17°18	21°34	21°31	5°13	1°42	1°11	2°59	21° 9	M 4
T 5	16 54 48	14°25'43	27°31	8°36	25° 6	10° 9	20°18	17°20	21°38	21°31	5°14	1°41	1° 8	3° 5	21° 6	T 5
W 6	16 58 45	15°23'02	11♍48	9°34	26°14	10°53	20°26	17°23	21°42	21°32	5°15	1°D41	1° 4	3°12	21° 3	W 6
T 7	17 2 41	16°20'21	25°59	10°28	27°22	11°37	20°35	17°25	21°45	21°32	5°16	1°41	1° 1	3°19	21° 1	T 7
F 8	17 6 38	17°17'38	10♎ 2	11°19	28°30	12°21	20°44	17°27	21°49	21°32	5°17	1°42	0°58	3°25	20°58	F 8
S 9	17 10 34	18°14'55	23°56	12° 5	29°38	13° 5	20°53	17°29	21°52	21°32	5°18	1°43	0°55	3°32	20°55	S 9
S 10	17 14 31	19°12'11	7♏40	12°48	0♌45	13°49	21° 1	17°31	21°56	21°32	5°19	1°44	0°52	3°39	20°52	S 10
M11	17 18 27	20° 9'26	21°12	13°27	1°53	14°32	21°10	17°33	21°59	21°33	5°21	1°45	0°49	3°46	20°49	M11
T 12	17 22 24	21° 6'40	4♐31	14° 2	3° 0	15°16	21°20	17°34	22° 3	21°33	5°22	1°R45	0°45	3°52	20°46	T 12
W13	17 26 21	22° 3'54	17°36	14°33	4° 7	16° 0	21°29	17°36	22° 7	21°33	5°23	1°45	0°42	3°59	20°43	W13
T 14	17 30 17	23° 1'08	0♑28	14°59	5°14	16°43	21°38	17°37	22°10	21°34	5°24	1°43	0°39	4° 6	20°40	T 14
F 15	17 34 14	23°58'21	13° 6	15°21	6°21	17°27	21°48	17°39	22°14	21°34	5°24	1°40	0°36	4°12	20°37	F 15
S 16	17 38 10	24°55'33	25°30	15°39	7°27	18°10	21°57	17°40	22°17	21°34	5°25	1°37	0°33	4°19	20°34	S 16
S 17	17 42 7	25°52'46	7♒43	15°52	8°34	18°53	22° 7	17°41	22°21	21°35	5°26	1°33	0°30	4°26	20°31	S 17
M18	17 46 3	26°49'58	19°46	16° 0	9°40	19°36	22°16	17°42	22°25	21°35	5°27	1°29	0°26	4°33	20°28	M18
T 19	17 50 0	27°47'10	1♓42	16°R 4	10°46	20°20	22°26	17°43	22°28	21°36	5°28	1°26	0°23	4°39	20°25	T 19
W20	17 53 56	28°44'22	13°35	16° 4	11°52	21° 3	22°36	17°44	22°32	21°37	5°29	1°24	0°20	4°46	20°22	W20
T 21	17 57 53	29°41'34	25°29	15°59	12°58	21°46	22°46	17°45	22°35	21°37	5°30	1°D23	0°17	4°53	20°18	T 21
F 22	18 1 50	0♋38'46	7♈29	15°49	14° 4	22°29	22°56	17°46	22°39	21°38	5°31	1°23	0°14	5° 0	20°15	F 22
S 23	18 5 46	1°35'58	19°39	15°35	15° 9	23°11	23° 6	17°46	22°42	21°38	5°32	1°24	0°10	5° 6	20°12	S 23
S 24	18 9 43	2°33'10	2♉ 4	15°17	16°14	23°54	23°17	17°47	22°46	21°39	5°33	1°25	0° 7	5°13	20° 8	S 24
M25	18 13 39	3°30'22	14°49	14°55	17°19	24°37	23°27	17°47	22°49	21°40	5°33	1°27	0° 4	5°20	20° 5	M25
T 26	18 17 36	4°27'35	27°55	14°29	18°24	25°19	23°37	17°48	22°53	21°41	5°34	1°R28	0° 1	5°26	20° 1	T 26
W27	18 21 32	5°24'48	11♊25	14° 0	19°29	26° 2	23°48	17°48	22°56	21°41	5°35	1°28	29♉58	5°33	19°58	W27
T 28	18 25 29	6°22'00	25°19	13°29	20°33	26°44	23°58	17°48	23° 0	21°42	5°36	1°26	29°55	5°40	19°55	T 28
F 29	18 29 25	7°19'13	9♋34	12°54	21°37	27°27	24° 9	17°R48	23° 4	21°43	5°36	1°22	29°51	5°47	19°51	F 29
S 30	18 33 22	8♋16'26	24♋ 6	12♋19	22♌41	28♈ 9	24♌20	17♓48	23♊ 7	21♍44	5♉37	1♊17	29♉48	5♓53	19♂48	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 5	26n 2	2n33	25n17	1n51	24n 6	2n12	1n19	1s41	15n53	1n 1	6s51	1s56	23n20	0n 8	4n34	1n18	1s49	15s59	20n34	20n28	15s21	14s32	7n21
S 2	22 13	26 15	3 35	25 8	1 45	23 55	2 12	1 36	1 41	15 50	1 1	6 50	1 56	23 21	0 8	4 34	1 18	1 49	15 59	20 33	20 28	15 18	14 32	7 21
S 3	22 21	24 45	4 26	24 58	1 38	23 44	2 12	1 54	1 41	15 48	1 0	6 50	1 56	23 21	0 8	4 34	1 18	1 49	15 59	20 33	20 27	15 16	14 32	7 22
M 4	22 28	21 40	5 0	24 47	1 30	23 32	2 12	2 11	1 42	15 45	1 0	6 49	1 57	23 21	0 8	4 34	1 18	1 49	15 59	20 33	20 26	15 13	14 32	7 22
T 5	22 35	17 17	5 15	24 34	1 22	23 19	2 12	2 28	1 42	15 42	1 0	6 48	1 57	23 21	0 8	4 34	1 18	1 49	15 59	20 33	20 26	15 11	14 32	7 23
W 6	22 41	11 56	5 11	24 21	1 13	23 6	2 11	2 45	1 42	15 39	1 0	6 48	1 57	23 21	0 8	4 34	1 18	1 48	16 0	20 33	20 25	15 8	14 32	7 23
T 7	22 47	6 0	4 48	24 7	1 3	22 52	2 11	3 3	1 42	15 37	1 0	6 47	1 57	23 22	0 8	4 34	1 18	1 48	16 0	20 33	20 24	15 6	14 32	7 23
F 8	22 53	0s11	4 8	23 52	0 52	22 38	2 10	3 20	1 42	15 34	1 0	6 46	1 58	23 22	0 8	4 34	1 18	1 48	16 0	20 33	20 24	15 3	14 32	7 24
S 9	22 58	6 18	3 14	23 37	0 41	22 23	2 10	3 37	1 42	15 31	1 0	6 46	1 58	23 22	0 8	4 34	1 18	1 48	16 0	20 33	20 23	15 1	14 32	7 24
S 10	23 3	12 4	2 9	23 21	0 29	22 8	2 9	3 54	1 42	15 28	1 0	6 45	1 58	23 22	0 8	4 33	1 18	1 48	16 0	20 33	20 22	14 58	14 33	7 24
M11	23 7	17 10	0 58	23 5	0 16	21 52	2 8	4 10	1 42	15 25	1 0	6 45	1 58	23 23	0 8	4 33	1 18	1 48	16 1	20 33	20 22	14 56	14 33	7 25
T 12	23 12	21 20	0s15	22 48	0 3	21 35	2 7	4 27	1 42	15 22	1 0	6 45	1 59	23 23	0 8	4 33	1 18	1 48	16 1	20 33	20 21	14 53	14 33	7 25
W13	23 15	24 20	1 26	22 31	0s11	21 18	2 6	4 44	1 42	15 19	1 0	6 44	1 59	23 23	0 8	4 33	1 18	1 47	16 1	20 33	20 21	14 51	14 33	7 25
T 14	23 18	26 1	2 31	22 14	0 25	21 1	2 5	5 1	1 42	15 16	1 0	6 44	1 59	23 23	0 8	4 33	1 18	1 47	16 1	20 33	20 20	14 48	14 33	7 26
F 15	23 21	26 18	3 28	21 57	0 39	20 43	2 3	5 17	1 42	15 13	0 59	6 43	2 0	23 23	0 8	4 33	1 18	1 47	16 1	20 32	20 19	14 46	14 33	7 26
S 16	23 24	25 14	4 14	21 40	0 55	20 24	2 2	5 34	1 42	15 9	0 59	6 43	2 0	23 24	0 8	4 32	1 18	1 47	16 2	20 32	20 19	14 43	14 33	7 26
S 17	23 26	23 0	4 47	21 23	1 10	20 6	2 0	5 50	1 42	15 6	0 59	6 43	2 0	23 24	0 8	4 32	1 18	1 47	16 2	20 31	20 18	14 41	14 33	7 27
M18	23 27	19 46	5 7	21 6	1 26	19 46	1 58	6 7	1 42	15 3	0 59	6 43	2 0	23 24	0 8	4 32	1 18	1 47	16 2	20 30	20 17	14 38	14 34	7 27
T 19	23 28	15 46	5 13	20 50	1 42	19 26	1 57	6 23	1 42	15 0	0 59	6 43	2 1	23 24	0 8	4 32	1 18	1 47	16 2	20 30	20 17	14 36	14 34	7 27
W20	23 29	11 10	5 6	20 34	1 58	19 6	1 55	6 39	1 42	14 56	0 59	6 43	2 1	23 25	0 8	4 31	1 18	1 47	16 3	20 29	20 16	14 33	14 34	7 27
T 21	23 29	6 10	4 46	20 19	2 14	18 45	1 53	6 55	1 42	14 53	0 59	6 42	2 1	23 25	0 8	4 31	1 18	1 47	16 3	20 29	20 15	14 30	14 34	7 28
F 22	23 29	0 54	4 13	20 4	2 30	18 24	1 50	7 11	1 42	14 50	0 59	6 42	2 1	23 25	0 8	4 31	1 18	1 47	16 3	20 29	20 15	14 28	14 35	7 28
S 23	23 29	4n29	3 29	19 50	2 46	18 3	1 48	7 27	1 42	14 46	0 59	6 42	2 2	23 25	0 8	4 31	1 18	1 47	16 3	20 29	20 14	14 25	14 35	7 28
S 24	23 28	9 49	2 34	19 36	3 2	17 41	1 46	7 43	1 42	14 43	0 59	6 42	2 2	23 25	0 8	4 30	1 18	1 47	16 4	20 29	20 13	14 23	14 35	7 28
M25	23 27	14 53	1 30	19 24	3 17	17 19	1 43	7 59	1 42	14 39	0 59	6 43	2 2	23 26	0 8	4 30	1 18	1 47	16 4	20 30	20 13	14 20	14 35	7 28
T 26	23 25	19 25	0 19	19 12	3 31	16 56	1 40	8 14	1 42	14 36	0 59	6 43	2 2	23 26	0 8	4 30	1 17	1 47	16 4	20 30	20 12	14 18	14 36	7 29
W27	23 23	23 5	0n54	19 2	3 45	16 33	1 38	8 30	1 41	14 32	0 59	6 43	2 3	23 26	0 8	4 29	1 17	1 47	16 4	20 30	20 11	14 15	14 36	7 29
T 28	23 20	25 31	2 6	18 52	3 57	16 10	1 35	8 45	1 41	14 29	0 59	6 43	2 3	23 26	0 8	4 29	1 17	1 47	16 5	20 29	20 10	14 12	14 36	7 29
F 29	23 17	26 21	3 12	18 44	4 9	15 46	1 32	9 1	1 41	14 25	0 59	6 43	2 3	23 26	0 8	4 29	1 17	1 47	16 5	20 29	20 10	14 10	14 37	7 29
S 30	23n14	25n24	4n 7	18n37	4s19	15n22	1n28	9n16	1s41	14n22	0n58	6s44	2s 3	23n27	0n 8	4n28	1n17	1s47	16s 5	20n28	20n 9	14s 7	14s37	7n29

Julian Day Number = 2309982.5, Delta T = 74.06 sec
Ecliptic obliquity = 23°29'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'51, Lahiri = 18°26'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

JULY 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 37 19	9♋13'39	8♌47	11°R42	23♌45	28♈51	24♌31	17°R48	23♊11	21♍45	5♉38	1°R12	29♉45	6♓ 0	19°R44	S 1
M 2	18 41 15	10°10'52	23°31	11♋ 4	24°48	29°33	24°41	17♓47	23°14	21°46	5°39	1♊ 6	29°42	6° 7	19♂40	M 2
T 3	18 45 12	11° 8'04	8♍10	10°26	25°52	0♉15	24°52	17°47	23°17	21°47	5°39	1° 2	29°39	6°14	19°37	T 3
W 4	18 49 8	12° 5'17	22°38	9°49	26°54	0°57	25° 3	17°46	23°21	21°48	5°40	0°59	29°36	6°20	19°33	W 4
T 5	18 53 5	13° 2'29	6♎52	9°13	27°57	1°38	25°15	17°46	23°24	21°49	5°41	0°D57	29°32	6°27	19°30	T 5
F 6	18 57 1	13°59'41	20°50	8°40	29° 0	2°20	25°26	17°45	23°28	21°50	5°41	0°57	29°29	6°34	19°26	F 6
S 7	19 0 58	14°56'53	4♏30	8° 9	0♍ 2	3° 1	25°37	17°44	23°31	21°51	5°42	0°58	29°26	6°40	19°23	S 7
S 8	19 4 54	15°54'06	17°55	7°40	1° 4	3°43	25°48	17°43	23°35	21°52	5°42	0°59	29°23	6°47	19°19	S 8
M 9	19 8 51	16°51'18	1♐ 5	7°16	2° 5	4°24	26° 0	17°42	23°38	21°53	5°43	1°R 0	29°20	6°54	19°15	M 9
T 10	19 12 48	17°48'31	14° 2	6°56	3° 7	5° 5	26°11	17°41	23°41	21°54	5°43	0°59	29°16	7° 1	19°12	T 10
W11	19 16 44	18°45'44	26°47	6°40	4° 7	5°46	26°23	17°40	23°45	21°56	5°44	0°56	29°13	7° 7	19° 8	W11
T 12	19 20 41	19°42'57	9♑21	6°29	5° 8	6°27	26°34	17°39	23°48	21°57	5°45	0°51	29°10	7°14	19° 5	T 12
F 13	19 24 37	20°40'10	21°44	6°23	6° 8	7° 8	26°46	17°37	23°51	21°58	5°45	0°44	29° 7	7°21	19° 1	F 13
S 14	19 28 34	21°37'24	3♒59	6°D23	7° 8	7°49	26°57	17°36	23°54	21°59	5°45	0°36	29° 4	7°27	18°57	S 14
S 15	19 32 30	22°34'39	16° 5	6°28	8° 8	8°29	27° 9	17°34	23°58	22° 1	5°46	0°26	29° 1	7°34	18°54	S 15
M16	19 36 27	23°31'54	28° 4	6°39	9° 7	9°10	27°21	17°33	24° 1	22° 2	5°46	0°17	28°57	7°41	18°50	M16
T 17	19 40 24	24°29'10	9♓58	6°56	10° 6	9°50	27°33	17°31	24° 4	22° 3	5°47	0° 8	28°54	7°48	18°47	T 17
W18	19 44 20	25°26'27	21°49	7°18	11° 4	10°31	27°45	17°29	24° 7	22° 5	5°47	0° 1	28°51	7°54	18°43	W18
T 19	19 48 17	26°23'44	3♈42	7°47	12° 3	11°11	27°56	17°27	24°11	22° 6	5°47	29♉56	28°48	8° 1	18°39	T 19
F 20	19 52 13	27°21'03	15°40	8°21	13° 0	11°51	28° 8	17°25	24°14	22° 8	5°48	29°53	28°45	8° 8	18°36	F 20
S 21	19 56 10	28°18'22	27°47	9° 1	13°57	12°31	28°21	17°23	24°17	22° 9	5°48	29°D53	28°41	8°15	18°32	S 21
S 22	20 0 6	29°15'42	10♉10	9°47	14°54	13°10	28°33	17°21	24°20	22°10	5°48	29°53	28°38	8°21	18°29	S 22
M23	20 4 3	0♌13'04	22°52	10°39	15°51	13°50	28°45	17°18	24°23	22°12	5°49	29°54	28°35	8°28	18°25	M23
T 24	20 7 59	1°10'27	5♊58	11°37	16°46	14°29	28°57	17°16	24°26	22°14	5°49	29°R54	28°32	8°35	18°22	T 24
W25	20 11 56	2° 7'50	19°31	12°39	17°42	15° 9	29° 9	17°14	24°29	22°15	5°49	29°52	28°29	8°41	18°18	W25
T 26	20 15 53	3° 5'15	3♋33	13°48	18°37	15°48	29°21	17°11	24°32	22°17	5°49	29°48	28°26	8°48	18°15	T 26
F 27	20 19 49	4° 2'41	18° 1	15° 2	19°31	16°27	29°34	17° 8	24°35	22°18	5°50	29°42	28°22	8°55	18°11	F 27
S 28	20 23 46	5° 0'08	2♌50	16°21	20°25	17° 6	29°46	17° 6	24°38	22°20	5°50	29°34	28°19	9° 2	18° 8	S 28
S 29	20 27 42	5°57'36	17°53	17°44	21°18	17°44	29°58	17° 3	24°41	22°22	5°50	29°24	28°16	9° 8	18° 5	S 29
M30	20 31 39	6°55'05	3♍ 0	19°13	22°11	18°23	0♍11	17° 0	24°44	22°23	5°50	29°15	28°13	9°15	18° 1	M30
T 31	20 35 35	7♌52'34	18♍ 0	20♋46	23♍ 3	19♉ 1	0♍23	16♓57	24♊47	22♍25	5♉50	29♉ 6	28♉10	9♓22	17♂58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n10	22n42	4n47	18n31	4s28	14n58	1n25	9n31	1s41	14n18	0n58	6s44	2s 4	23n27	0n 8	4n28	1n17	1s47	16s 6	20n27	20n 8	14s 5	14s37	7n29
M 2	23 6	18 32	5 7	18 27	4 36	14 34	1 22	9 46	1 41	14 14	0 58	6 44	2 4	23 27	0 8	4 27	1 17	1 47	16 6	20 26	20 8	14 2	14 38	7 30
T 3	23 1	13 16	5 7	18 24	4 42	14 9	1 18	10 1	1 40	14 10	0 58	6 45	2 4	23 27	0 8	4 27	1 17	1 47	16 6	20 25	20 7	13 59	14 38	7 30
W 4	22 56	7 20	4 48	18 22	4 46	13 44	1 14	10 16	1 40	14 7	0 58	6 45	2 4	23 27	0 8	4 27	1 17	1 47	16 6	20 24	20 6	13 57	14 38	7 30
T 5	22 51	1 7	4 11	18 22	4 49	13 19	1 10	10 30	1 40	14 3	0 58	6 46	2 5	23 28	0 8	4 26	1 17	1 47	16 7	20 24	20 6	13 54	14 39	7 30
F 6	22 45	5s 3	3 20	18 23	4 50	12 53	1 6	10 45	1 40	13 59	0 58	6 46	2 5	23 28	0 8	4 26	1 17	1 47	16 7	20 24	20 5	13 52	14 39	7 30
S 7	22 39	10 53	2 18	18 25	4 50	12 27	1 2	10 59	1 39	13 55	0 58	6 47	2 5	23 28	0 8	4 25	1 17	1 47	16 7	20 24	20 4	13 49	14 40	7 30
S 8	22 32	16 5	1 10	18 28	4 48	12 1	0 58	11 14	1 39	13 51	0 58	6 47	2 5	23 28	0 8	4 25	1 17	1 47	16 7	20 24	20 4	13 46	14 40	7 30
M 9	22 26	20 26	0s 0	18 33	4 45	11 35	0 54	11 28	1 39	13 47	0 58	6 48	2 6	23 28	0 8	4 24	1 17	1 47	16 8	20 24	20 3	13 44	14 41	7 30
T 10	22 18	23 41	1 10	18 39	4 40	11 9	0 49	11 42	1 38	13 44	0 58	6 48	2 6	23 28	0 8	4 24	1 17	1 48	16 8	20 24	20 2	13 41	14 41	7 30
W11	22 10	25 41	2 14	18 47	4 33	10 42	0 44	11 56	1 38	13 40	0 58	6 49	2 6	23 29	0 8	4 23	1 17	1 48	16 8	20 23	20 2	13 38	14 41	7 30
T 12	22 2	26 20	3 11	18 55	4 25	10 16	0 40	12 10	1 38	13 36	0 58	6 50	2 6	23 29	0 8	4 23	1 17	1 48	16 9	20 22	20 1	13 36	14 42	7 30
F 13	21 54	25 39	3 58	19 4	4 17	9 49	0 35	12 23	1 38	13 32	0 58	6 51	2 7	23 29	0 8	4 22	1 17	1 48	16 9	20 21	20 0	13 33	14 42	7 30
S 14	21 45	23 44	4 33	19 14	4 7	9 22	0 30	12 37	1 37	13 28	0 58	6 51	2 7	23 29	0 8	4 22	1 17	1 48	16 9	20 19	20 0	13 30	14 43	7 30
S 15	21 36	20 45	4 56	19 25	3 56	8 55	0 25	12 50	1 37	13 24	0 58	6 52	2 7	23 29	0 8	4 21	1 17	1 48	16 10	20 17	19 59	13 28	14 43	7 30
M16	21 26	16 56	5 5	19 36	3 44	8 28	0 19	13 3	1 36	13 19	0 58	6 53	2 7	23 29	0 8	4 21	1 17	1 48	16 10	20 15	19 58	13 25	14 44	7 30
T 17	21 16	12 29	5 1	19 48	3 31	8 1	0 14	13 17	1 36	13 15	0 58	6 54	2 8	23 30	0 8	4 20	1 17	1 49	16 10	20 13	19 57	13 22	14 44	7 30
W18	21 6	7 36	4 44	20 0	3 18	7 33	0 8	13 29	1 36	13 11	0 58	6 55	2 8	23 30	0 8	4 19	1 17	1 49	16 10	20 12	19 57	13 20	14 45	7 30
T 19	20 55	2 25	4 14	20 12	3 4	7 6	0 2	13 42	1 35	13 7	0 58	6 56	2 8	23 30	0 8	4 19	1 17	1 49	16 11	20 11	19 56	13 17	14 45	7 30
F 20	20 44	2n53	3 34	20 24	2 50	6 38	0s 3	13 55	1 35	13 3	0 58	6 57	2 8	23 30	0 8	4 18	1 17	1 49	16 11	20 10	19 55	13 14	14 46	7 30
S 21	20 33	8 10	2 43	20 36	2 35	6 11	0 9	14 8	1 34	12 59	0 58	6 58	2 9	23 30	0 8	4 18	1 17	1 49	16 11	20 10	19 55	13 12	14 47	7 30
S 22	20 21	13 16	1 43	20 48	2 20	5 43	0 15	14 20	1 34	12 54	0 58	6 59	2 9	23 30	0 8	4 17	1 17	1 49	16 12	20 10	19 54	13 9	14 47	7 30
M23	20 9	17 55	0 38	20 59	2 5	5 16	0 22	14 32	1 33	12 50	0 58	7 0	2 9	23 30	0 8	4 16	1 17	1 50	16 12	20 10	19 53	13 6	14 48	7 30
T 24	19 56	21 53	0n32	21 9	1 50	4 48	0 28	14 44	1 33	12 46	0 58	7 1	2 9	23 31	0 8	4 16	1 17	1 50	16 12	20 10	19 53	13 4	14 48	7 29
W25	19 44	24 47	1 43	21 19	1 35	4 20	0 35	14 56	1 32	12 42	0 58	7 3	2 10	23 31	0 8	4 15	1 17	1 50	16 13	20 10	19 52	13 1	14 49	7 29
T 26	19 31	26 16	2 49	21 27	1 20	3 53	0 41	15 8	1 32	12 37	0 58	7 4	2 10	23 31	0 8	4 15	1 17	1 50	16 13	20 9	19 51	12 58	14 49	7 29
F 27	19 17	26 1	3 47	21 34	1 5	3 25	0 48	15 20	1 31	12 33	0 58	7 5	2 10	23 31	0 8	4 14	1 17	1 51	16 13	20 8	19 50	12 56	14 50	7 29
S 28	19 3	23 57	4 31	21 39	0 50	2 58	0 55	15 31	1 31	12 29	0 58	7 6	2 10	23 31	0 8	4 13	1 17	1 51	16 14	20 6	19 50	12 53	14 51	7 29
S 29	18 49	20 12	4 56	21 43	0 36	2 30	1 2	15 43	1 30	12 24	0 58	7 8	2 10	23 31	0 8	4 13	1 17	1 51	16 14	20 4	19 49	12 50	14 51	7 29
M30	18 35	15 7	5 2	21 45	0 22	2 3	1 9	15 54	1 30	12 20	0 58	7 9	2 11	23 31	0 8	4 12	1 16	1 51	16 14	20 2	19 48	12 48	14 52	7 28
T 31	18n20	9n 8	4n46	21n44	0s 9	1n35	1s17	16n 5	1s29	12n15	0n58	7s10	2s11	23n32	0n 8	4n11	1n16	1s52	16s15	20n 0	19n48	12s45	14s52	7n28

Julian Day Number = 2310012.5, Delta T = 73.97 sec
Ecliptic obliquity = 23°29'27, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°19'55, Lahiri = 18°26'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

AUGUST 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 39 32	8♌50'04	2♎46	22♋24	23♍55	19♉40	0♍36	16°R54	24♊49	22♍27	5♉50	29°R 0	28♉ 7	9♓28	17°R55	W 1
T 2	20 43 28	9°47'35	17°11	24° 5	24°46	20°18	0°48	16♓51	24°52	22°28	5°50	28♉56	28° 3	9°35	17♉52	T 2
F 3	20 47 25	10°45'07	1♏13	25°50	25°36	20°56	1° 1	16°48	24°55	22°30	5°50	28°54	28° 0	9°42	17°48	F 3
S 4	20 51 22	11°42'40	14°51	27°39	26°26	21°33	1°14	16°44	24°58	22°32	5°51	28°D53	27°57	9°49	17°45	S 4
S 5	20 55 18	12°40'13	28° 7	29°30	27°14	22°11	1°26	16°41	25° 0	22°34	5°R51	28°R54	27°54	9°55	17°42	S 5
M 6	20 59 15	13°37'48	11♐ 5	1♌24	28° 3	22°48	1°39	16°37	25° 3	22°35	5°51	28°53	27°51	10° 2	17°39	M 6
T 7	21 3 11	14°35'23	23°46	3°20	28°50	23°26	1°52	16°34	25° 6	22°37	5°50	28°51	27°47	10° 9	17°36	T 7
W 8	21 7 8	15°33'00	6♑16	5°18	29°36	24° 3	2° 4	16°30	25° 8	22°39	5°50	28°46	27°44	10°16	17°33	W 8
T 9	21 11 4	16°30'37	18°35	7°17	0♎22	24°40	2°17	16°27	25°11	22°41	5°50	28°38	27°41	10°22	17°30	T 9
F 10	21 15 1	17°28'16	0♒46	9°18	1° 7	25°16	2°30	16°23	25°13	22°43	5°50	28°28	27°38	10°29	17°27	F 10
S 11	21 18 57	18°25'56	12°50	11°19	1°51	25°53	2°43	16°19	25°16	22°45	5°50	28°16	27°35	10°36	17°24	S 11
S 12	21 22 54	19°23'37	24°49	13°20	2°34	26°29	2°55	16°16	25°18	22°47	5°50	28° 2	27°32	10°42	17°22	S 12
M13	21 26 51	20°21'20	6♓44	15°22	3°16	27° 5	3° 8	16°12	25°21	22°49	5°50	27°48	27°28	10°49	17°19	M13
T 14	21 30 47	21°19'04	18°36	17°23	3°57	27°41	3°21	16° 8	25°23	22°51	5°50	27°36	27°25	10°56	17°16	T 14
W15	21 34 44	22°16'49	0♈27	19°24	4°36	28°17	3°34	16° 4	25°25	22°53	5°50	27°25	27°22	11° 3	17°13	W15
T 16	21 38 40	23°14'36	12°20	21°25	5°15	28°53	3°47	16° 0	25°28	22°55	5°49	27°17	27°19	11° 9	17°11	T 16
F 17	21 42 37	24°12'25	24°17	23°25	5°53	29°28	4° 0	15°56	25°30	22°57	5°49	27°12	27°16	11°16	17° 8	F 17
S 18	21 46 33	25°10'15	6♉24	25°24	6°29	0♊ 3	4°13	15°52	25°32	22°59	5°49	27°10	27°13	11°23	17° 6	S 18
S 19	21 50 30	26° 8'07	18°44	27°22	7° 5	0°38	4°26	15°47	25°34	23° 1	5°49	27° 9	27° 9	11°29	17° 3	S 19
M20	21 54 26	27° 6'01	1♊22	29°19	7°39	1°13	4°39	15°43	25°36	23° 3	5°48	27° 9	27° 6	11°36	17° 1	M20
T 21	21 58 23	28° 3'57	14°24	1♍14	8°12	1°47	4°51	15°39	25°38	23° 5	5°48	27° 8	27° 3	11°43	16°59	T 21
W22	22 2 20	29° 1'55	27°52	3° 9	8°43	2°22	5° 4	15°35	25°40	23° 7	5°48	27° 6	27° 0	11°50	16°56	W22
T 23	22 6 16	29°59'55	11♋50	5° 3	9°13	2°56	5°17	15°30	25°42	23° 9	5°47	27° 2	26°57	11°56	16°54	T 23
F 24	22 10 13	0♍57'56	26°18	6°55	9°41	3°29	5°30	15°26	25°44	23°11	5°47	26°55	26°53	12° 3	16°52	F 24
S 25	22 14 9	1°55'59	11♌11	8°46	10° 8	4° 3	5°43	15°21	25°46	23°13	5°46	26°46	26°50	12°10	16°50	S 25
S 26	22 18 6	2°54'04	26°22	10°36	10°34	4°36	5°56	15°17	25°48	23°15	5°46	26°35	26°47	12°16	16°48	S 26
M27	22 22 2	3°52'11	11♍41	12°24	10°57	5° 9	6° 9	15°13	25°50	23°17	5°46	26°24	26°44	12°23	16°46	M27
T 28	22 25 59	4°50'19	26°56	14°11	11°20	5°42	6°23	15° 8	25°52	23°19	5°45	26°14	26°41	12°30	16°44	T 28
W29	22 29 55	5°48'29	11♎57	15°57	11°40	6°15	6°36	15° 4	25°54	23°22	5°45	26° 7	26°38	12°37	16°42	W29
T 30	22 33 52	6°46'40	26°35	17°42	11°58	6°47	6°49	14°59	25°55	23°24	5°44	26° 2	26°34	12°43	16°40	T 30
F 31	22 37 49	7♍44'53	10♏47	19♍26	12♎15	7♊19	7♍ 2	14♓54	25♊57	23♍26	5♉44	25♉59	26♉31	12♓50	16♑39	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n 5	2n45	4n12	21n42	0n 4	1n 8	1s24	16n16	1s29	12n11	0n58	7s12	2s11	23n32	0n 8	4n10	1n16	1s52	16s15	19n59	19n47	12s42	14s53	7n28
T 2	17 50	3s39	3 22	21 37	0 17	0 41	1 32	16 27	1 28	12 6	0 58	7 13	2 11	23 32	0 8	4 10	1 16	1 52	16 15	19 58	19 46	12 39	14 54	7 28
F 3	17 35	9 43	2 21	21 29	0 28	0 14	1 39	16 37	1 27	12 2	0 58	7 15	2 11	23 32	0 8	4 9	1 16	1 52	16 16	19 57	19 45	12 37	14 54	7 28
S 4	17 19	15 9	1 14	21 19	0 39	0s13	1 47	16 48	1 27	11 57	0 58	7 16	2 12	23 32	0 8	4 8	1 16	1 53	16 16	19 57	19 45	12 34	14 55	7 27
S 5	17 3	19 43	0 4	21 6	0 49	0 40	1 55	16 58	1 26	11 53	0 58	7 18	2 12	23 32	0 8	4 8	1 16	1 53	16 16	19 57	19 44	12 31	14 56	7 27
M 6	16 46	23 13	1s 4	20 51	0 59	1 6	2 3	17 8	1 26	11 48	0 58	7 19	2 12	23 32	0 8	4 7	1 16	1 53	16 16	19 57	19 43	12 28	14 56	7 27
T 7	16 29	25 28	2 8	20 33	1 7	1 33	2 12	17 18	1 25	11 44	0 58	7 21	2 12	23 32	0 8	4 6	1 16	1 54	16 17	19 57	19 43	12 26	14 57	7 27
W 8	16 13	26 24	3 4	20 12	1 15	1 59	2 20	17 28	1 24	11 39	0 58	7 22	2 12	23 32	0 8	4 5	1 16	1 54	16 17	19 56	19 42	12 23	14 57	7 26
T 9	15 55	26 0	3 50	19 48	1 22	2 25	2 28	17 38	1 23	11 35	0 58	7 24	2 13	23 33	0 8	4 5	1 16	1 54	16 17	19 54	19 41	12 20	14 58	7 26
F 10	15 38	24 21	4 26	19 23	1 28	2 51	2 37	17 47	1 23	11 30	0 58	7 25	2 13	23 33	0 8	4 4	1 16	1 55	16 18	19 52	19 40	12 17	14 59	7 26
S 11	15 20	21 37	4 49	18 54	1 33	3 16	2 46	17 56	1 22	11 26	0 58	7 27	2 13	23 33	0 8	4 3	1 16	1 55	16 18	19 49	19 40	12 15	14 59	7 25
S 12	15 2	17 58	4 59	18 24	1 37	3 41	2 55	18 6	1 21	11 21	0 58	7 29	2 13	23 33	0 8	4 2	1 16	1 55	16 18	19 46	19 39	12 12	15 0	7 25
M13	14 44	13 38	4 56	17 52	1 40	4 6	3 3	18 15	1 21	11 16	0 58	7 30	2 13	23 33	0 8	4 2	1 16	1 56	16 19	19 43	19 38	12 9	15 1	7 25
T 14	14 26	8 49	4 40	17 17	1 43	4 31	3 13	18 24	1 20	11 12	0 58	7 32	2 13	23 33	0 8	4 1	1 16	1 56	16 19	19 40	19 38	12 6	15 1	7 25
W15	14 7	3 40	4 12	16 41	1 45	4 55	3 22	18 32	1 19	11 7	0 58	7 34	2 14	23 33	0 9	4 0	1 16	1 56	16 19	19 38	19 37	12 4	15 2	7 24
T 16	13 48	1n37	3 33	16 4	1 46	5 19	3 31	18 41	1 18	11 2	0 58	7 35	2 14	23 33	0 9	3 59	1 16	1 57	16 20	19 36	19 36	12 1	15 3	7 24
F 17	13 29	6 54	2 44	15 25	1 46	5 43	3 40	18 49	1 17	10 58	0 58	7 37	2 14	23 33	0 9	3 58	1 16	1 57	16 20	19 35	19 35	11 58	15 3	7 23
S 18	13 10	12 0	1 47	14 45	1 46	6 6	3 50	18 58	1 17	10 53	0 58	7 39	2 14	23 33	0 9	3 58	1 16	1 57	16 20	19 34	19 35	11 55	15 4	7 23
S 19	12 50	16 43	0 44	14 3	1 45	6 29	3 59	19 6	1 16	10 48	0 58	7 41	2 14	23 34	0 9	3 57	1 16	1 58	16 20	19 34	19 34	11 52	15 5	7 23
M20	12 30	20 51	0n22	13 21	1 43	6 51	4 9	19 14	1 15	10 44	0 58	7 42	2 14	23 34	0 9	3 56	1 16	1 58	16 21	19 34	19 33	11 50	15 5	7 22
T 21	12 10	24 4	1 30	12 38	1 41	7 13	4 19	19 21	1 14	10 39	0 58	7 44	2 15	23 34	0 9	3 55	1 16	1 58	16 21	19 34	19 32	11 47	15 6	7 22
W22	11 50	26 3	2 35	11 54	1 38	7 34	4 28	19 29	1 13	10 34	0 58	7 46	2 15	23 34	0 9	3 54	1 16	1 59	16 21	19 33	19 32	11 44	15 7	7 22
T 23	11 30	26 29	3 33	11 10	1 35	7 55	4 38	19 37	1 12	10 29	0 58	7 48	2 15	23 34	0 9	3 53	1 16	1 59	16 22	19 32	19 31	11 41	15 7	7 21
F 24	11 9	25 10	4 19	10 25	1 32	8 16	4 48	19 44	1 11	10 25	0 58	7 50	2 15	23 34	0 9	3 53	1 16	2 0	16 22	19 31	19 30	11 38	15 8	7 21
S 25	10 49	22 5	4 49	9 39	1 28	8 35	4 58	19 51	1 10	10 20	0 58	7 51	2 15	23 34	0 9	3 52	1 16	2 0	16 22	19 29	19 30	11 36	15 9	7 20
S 26	10 28	17 27	5 0	8 54	1 23	8 55	5 8	19 58	1 9	10 15	0 58	7 53	2 15	23 34	0 9	3 51	1 16	2 0	16 23	19 26	19 29	11 33	15 9	7 20
M27	10 7	11 40	4 50	8 8	1 19	9 13	5 18	20 5	1 8	10 10	0 58	7 55	2 15	23 34	0 9	3 50	1 16	2 1	16 23	19 23	19 28	11 30	15 10	7 20
T 28	9 45	5 11	4 19	7 22	1 13	9 31	5 28	20 12	1 7	10 5	0 58	7 57	2 15	23 34	0 9	3 49	1 16	2 1	16 23	19 21	19 27	11 27	15 11	7 19
W29	9 24	1s30	3 30	6 36	1 8	9 48	5 38	20 19	1 6	10 1	0 58	7 59	2 15	23 34	0 9	3 48	1 16	2 2	16 23	19 19	19 27	11 24	15 11	7 19
T 30	9 3	7 58	2 29	5 50	1 2	10 5	5 48	20 25	1 5	9 56	0 58	8 1	2 16	23 34	0 9	3 48	1 16	2 2	16 24	19 18	19 26	11 22	15 12	7 18
F 31	8n41	13s50	1n20	5n 3	0n56	10s20	5s58	20n31	1s 4	9n51	0n58	8s 2	2s16	23n34	0n 9	3n47	1n16	2s 2	16s24	19n18	19n25	11s19	15s13	7n18

Julian Day Number = 2310043.5, Delta T = 73.88 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'00, Lahiri = 18°27'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

SEPTEMBER 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 41 45	8♍43'08	24♏31	21♍ 8	12♎29	7♊51	7♍15	14°R50	25♊58	23♍28	5°R43	25°D58	26♉28	12♓57	16°R37	S 1
S 2	22 45 42	9°41'24	7♐49	22°49	12°42	8°22	7°28	14♓45	26° 0	23°30	5♉43	25°R59	26°25	13° 4	16♑35	S 2
M 3	22 49 38	10°39'41	20°43	24°30	12°53	8°53	7°41	14°41	26° 2	23°32	5°42	25♉58	26°22	13°10	16°34	M 3
T 4	22 53 35	11°38'00	3♑19	26° 8	13° 1	9°24	7°54	14°36	26° 3	23°35	5°41	25°56	26°19	13°17	16°32	T 4
W 5	22 57 31	12°36'21	15°40	27°46	13° 7	9°55	8° 7	14°31	26° 4	23°37	5°41	25°52	26°15	13°24	16°31	W 5
T 6	23 1 28	13°34'43	27°51	29°23	13°11	10°25	8°20	14°27	26° 6	23°39	5°40	25°45	26°12	13°30	16°30	T 6
F 7	23 5 24	14°33'07	9♒53	0♎58	13°R13	10°55	8°33	14°22	26° 7	23°41	5°40	25°36	26° 9	13°37	16°29	F 7
S 8	23 9 21	15°31'32	21°50	2°33	13°12	11°25	8°46	14°18	26° 8	23°43	5°39	25°24	26° 6	13°44	16°27	S 8
S 9	23 13 18	16°30'00	3♓44	4° 6	13° 9	11°54	8°59	14°13	26°10	23°46	5°38	25°11	26° 3	13°51	16°26	S 9
M10	23 17 14	17°28'29	15°36	5°39	13° 4	12°23	9°12	14° 8	26°11	23°48	5°38	24°58	25°59	13°57	16°25	M10
T 11	23 21 11	18°27'00	27°29	7°10	12°56	12°52	9°24	14° 4	26°12	23°50	5°37	24°47	25°56	14° 4	16°24	T 11
W12	23 25 7	19°25'33	9♈23	8°40	12°46	13°20	9°37	13°59	26°13	23°52	5°36	24°37	25°53	14°11	16°24	W12
T 13	23 29 4	20°24'08	21°20	10° 9	12°33	13°48	9°50	13°55	26°14	23°54	5°35	24°29	25°50	14°17	16°23	T 13
F 14	23 33 0	21°22'45	3♉22	11°37	12°18	14°16	10° 3	13°50	26°15	23°57	5°35	24°25	25°47	14°24	16°22	F 14
S 15	23 36 57	22°21'24	15°33	13° 4	12° 1	14°43	10°16	13°45	26°16	23°59	5°34	24°22	25°44	14°31	16°22	S 15
S 16	23 40 53	23°20'05	27°55	14°30	11°41	15°10	10°29	13°41	26°17	24° 1	5°33	24°D22	25°40	14°38	16°21	S 16
M17	23 44 50	24°18'49	10♊34	15°55	11°20	15°37	10°42	13°36	26°17	24° 3	5°32	24°23	25°37	14°44	16°20	M17
T 18	23 48 46	25°17'35	23°32	17°18	10°56	16° 3	10°55	13°32	26°18	24° 6	5°32	24°R23	25°34	14°51	16°20	T 18
W19	23 52 43	26°16'24	6♋55	18°41	10°30	16°29	11° 7	13°27	26°19	24° 8	5°31	24°23	25°31	14°58	16°20	W19
T 20	23 56 40	27°15'14	20°44	20° 2	10° 2	16°55	11°20	13°23	26°19	24°10	5°30	24°20	25°28	15° 4	16°20	T 20
F 21	0 0 36	28°14'07	5♌ 0	21°22	9°32	17°20	11°33	13°19	26°20	24°12	5°29	24°16	25°25	15°11	16°19	F 21
S 22	0 4 33	29°13'02	19°42	22°40	9° 1	17°44	11°46	13°14	26°21	24°15	5°28	24° 9	25°21	15°18	16°19	S 22
S 23	0 8 29	0♎12'00	4♍44	23°58	8°29	18° 8	11°58	13°10	26°21	24°17	5°27	24° 1	25°18	15°25	16°D19	S 23
M24	0 12 26	1°10'59	19°58	25°14	7°55	18°32	12°11	13° 6	26°22	24°19	5°26	23°53	25°15	15°31	16°19	M24
T 25	0 16 22	2°10'01	5♎13	26°28	7°20	18°55	12°24	13° 1	26°22	24°21	5°25	23°46	25°12	15°38	16°19	T 25
W26	0 20 19	3° 9'04	20°18	27°41	6°44	19°18	12°36	12°57	26°22	24°23	5°25	23°40	25° 9	15°45	16°20	W26
T 27	0 24 15	4° 8'10	5♏ 4	28°52	6° 8	19°41	12°49	12°53	26°23	24°26	5°24	23°36	25° 5	15°51	16°20	T 27
F 28	0 28 12	5° 7'18	19°25	0♏ 2	5°31	20° 2	13° 1	12°49	26°23	24°28	5°23	23°D35	25° 2	15°58	16°20	F 28
S 29	0 32 9	6° 6'27	3♐18	1° 9	4°55	20°24	13°14	12°45	26°23	24°30	5°22	23°35	24°59	16° 5	16°21	S 29
S 30	0 36 5	7♎ 5'38	16♐43	2♏15	4♎18	20♊45	13♍26	12♓41	26♊23	24♍32	5♉21	23♉36	24♉56	16♓12	16♑21	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n19	18s49	0n 8	4n17	0n50	10s35	6s 8	20n38	1s 3	9n46	0n58	8s 4	2s16	23n35	0n 9	3n46	1n16	2s 3	16s24	19n17	19n24	11s16	15s13	7n17
S 2	7 57	22 41	1s 2	3 31	0 44	10 49	6 18	20 44	1 2	9 41	0 58	8 6	2 16	23 35	0 9	3 45	1 16	2 3	16 24	19 17	19 24	11 13	15 14	7 17
M 3	7 35	25 17	2 7	2 46	0 37	11 2	6 28	20 50	1 1	9 37	0 58	8 8	2 16	23 35	0 9	3 44	1 16	2 4	16 25	19 17	19 23	11 10	15 14	7 16
T 4	7 13	26 31	3 4	2 0	0 30	11 14	6 37	20 55	1 0	9 32	0 58	8 10	2 16	23 35	0 9	3 43	1 16	2 4	16 25	19 17	19 22	11 7	15 15	7 16
W 5	6 51	26 24	3 51	1 15	0 23	11 26	6 47	21 1	0 59	9 27	0 58	8 12	2 16	23 35	0 9	3 42	1 16	2 5	16 25	19 16	19 21	11 5	15 16	7 15
T 6	6 28	25 0	4 27	0 30	0 16	11 36	6 56	21 7	0 57	9 22	0 59	8 14	2 16	23 35	0 9	3 41	1 16	2 5	16 25	19 14	19 21	11 2	15 16	7 15
F 7	6 6	22 28	4 50	0s15	0 9	11 45	7 5	21 12	0 56	9 17	0 59	8 15	2 16	23 35	0 9	3 41	1 16	2 5	16 26	19 12	19 20	10 59	15 17	7 14
S 8	5 43	19 0	5 1	1 0	0 2	11 52	7 14	21 17	0 55	9 13	0 59	8 17	2 16	23 35	0 9	3 40	1 16	2 6	16 26	19 9	19 19	10 56	15 18	7 14
S 9	5 20	14 47	4 58	1 44	0s 6	11 59	7 22	21 23	0 54	9 8	0 59	8 19	2 16	23 35	0 9	3 39	1 16	2 6	16 26	19 6	19 18	10 53	15 18	7 13
M10	4 58	10 1	4 42	2 27	0 13	12 5	7 31	21 28	0 53	9 3	0 59	8 21	2 16	23 35	0 9	3 38	1 16	2 7	16 26	19 3	19 18	10 50	15 19	7 13
T 11	4 35	4 54	4 14	3 10	0 21	12 9	7 39	21 33	0 51	8 58	0 59	8 23	2 16	23 35	0 9	3 37	1 16	2 7	16 27	19 0	19 17	10 47	15 19	7 13
W12	4 12	0n25	3 35	3 53	0 29	12 11	7 46	21 37	0 50	8 53	0 59	8 25	2 16	23 35	0 9	3 36	1 16	2 8	16 27	18 58	19 16	10 45	15 20	7 12
T 13	3 49	5 46	2 46	4 35	0 36	12 13	7 53	21 42	0 49	8 48	0 59	8 26	2 16	23 35	0 9	3 35	1 16	2 8	16 27	18 56	19 15	10 42	15 21	7 11
F 14	3 26	10 57	1 50	5 17	0 44	12 13	7 59	21 47	0 47	8 44	0 59	8 28	2 16	23 35	0 9	3 34	1 16	2 9	16 27	18 55	19 15	10 39	15 21	7 11
S 15	3 2	15 47	0 47	5 58	0 52	12 12	8 5	21 51	0 46	8 39	0 59	8 30	2 16	23 35	0 9	3 34	1 16	2 9	16 28	18 54	19 14	10 36	15 22	7 10
S 16	2 39	20 3	0n19	6 38	1 0	12 9	8 11	21 55	0 45	8 34	0 59	8 32	2 16	23 35	0 9	3 33	1 16	2 9	16 28	18 54	19 13	10 33	15 22	7 10
M17	2 16	23 29	1 26	7 18	1 7	12 4	8 15	22 0	0 43	8 29	0 59	8 33	2 16	23 35	0 9	3 32	1 16	2 10	16 28	18 54	19 12	10 30	15 23	7 9
T 18	1 52	25 49	2 29	7 58	1 15	11 59	8 19	22 4	0 42	8 24	0 59	8 35	2 16	23 35	0 9	3 31	1 16	2 10	16 28	18 55	19 12	10 27	15 23	7 9
W19	1 29	26 46	3 27	8 36	1 23	11 51	8 23	22 8	0 40	8 20	0 59	8 37	2 16	23 35	0 9	3 30	1 16	2 11	16 28	18 54	19 11	10 24	15 24	7 8
T 20	1 6	26 5	4 15	9 14	1 30	11 43	8 25	22 12	0 39	8 15	1 0	8 39	2 16	23 36	0 9	3 29	1 16	2 11	16 29	18 54	19 10	10 22	15 25	7 8
F 21	0 42	23 43	4 49	9 51	1 38	11 33	8 27	22 16	0 37	8 10	1 0	8 40	2 16	23 36	0 9	3 28	1 16	2 12	16 29	18 53	19 9	10 19	15 25	7 7
S 22	0 19	19 45	5 5	10 28	1 45	11 21	8 28	22 20	0 36	8 5	1 0	8 42	2 16	23 36	0 9	3 27	1 16	2 12	16 29	18 51	19 9	10 16	15 26	7 7
S 23	0s 5	14 27	5 0	11 3	1 52	11 8	8 28	22 23	0 34	8 0	1 0	8 44	2 16	23 36	0 9	3 27	1 16	2 13	16 29	18 49	19 8	10 13	15 26	7 6
M24	0 28	8 11	4 35	11 38	1 59	10 54	8 27	22 27	0 33	7 56	1 0	8 45	2 16	23 36	0 9	3 26	1 16	2 13	16 29	18 47	19 7	10 10	15 27	7 6
T 25	0 52	1 26	3 50	12 12	2 7	10 38	8 25	22 31	0 31	7 51	1 0	8 47	2 16	23 36	0 9	3 25	1 16	2 13	16 30	18 45	19 6	10 7	15 27	7 5
W26	1 15	5s20	2 49	12 45	2 13	10 22	8 23	22 34	0 30	7 46	1 0	8 48	2 16	23 36	0 9	3 24	1 16	2 14	16 30	18 44	19 6	10 4	15 28	7 5
T 27	1 39	11 42	1 38	13 17	2 20	10 4	8 19	22 37	0 28	7 41	1 0	8 50	2 16	23 36	0 9	3 23	1 16	2 14	16 30	18 43	19 5	10 1	15 28	7 4
F 28	2 2	17 16	0 22	13 47	2 27	9 45	8 15	22 41	0 26	7 37	1 0	8 51	2 16	23 36	0 9	3 22	1 16	2 15	16 30	18 43	19 4	9 58	15 29	7 4
S 29	2 26	21 43	0s52	14 17	2 33	9 26	8 9	22 44	0 25	7 32	1 0	8 53	2 16	23 36	0 9	3 21	1 16	2 15	16 30	18 43	19 3	9 55	15 29	7 3
S 30	2s49	24s51	2s 2	14s46	2s39	9s 5	8s 3	22n47	0s23	7n27	1n 1	8s54	2s16	23n36	0n 9	3n20	1n16	2s16	16s30	18n43	19n 2	9s52	15s30	7n 3

Julian Day Number = 2310074.5, Delta T = 73.79 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'04, Lahiri = 18°27'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

OCTOBER 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 40 2	8♎ 4'51	29♐42	3♏18	3°R42	21♊ 5	13♍39	12°R37	26♊23	24♍34	5°R20	23♉37	24♉53	16♓18	16♑22	M 1
T 2	0 43 58	9° 4'06	12♑20	4°19	3♎ 6	21°25	13°51	12♓33	26°R23	24°37	5♉19	23°R38	24°50	16°25	16°23	T 2
W 3	0 47 55	10° 3'23	24°40	5°17	2°31	21°44	14° 3	12°29	26°23	24°39	5°18	23°36	24°46	16°32	16°23	W 3
T 4	0 51 51	11° 2'41	6♒47	6°12	1°57	22° 3	14°16	12°25	26°23	24°41	5°17	23°33	24°43	16°38	16°24	T 4
F 5	0 55 48	12° 2'01	18°46	7° 4	1°25	22°21	14°28	12°22	26°23	24°43	5°16	23°28	24°40	16°45	16°25	F 5
S 6	0 59 44	13° 1'23	0♓40	7°53	0°53	22°39	14°40	12°18	26°23	24°45	5°15	23°22	24°37	16°52	16°26	S 6
S 7	1 3 41	14° 0'47	12°31	8°38	0°24	22°56	14°52	12°14	26°22	24°47	5°14	23°14	24°34	16°59	16°27	S 7
M 8	1 7 38	15° 0'13	24°24	9°18	29♍56	23°13	15° 4	12°11	26°22	24°50	5°13	23° 7	24°30	17° 5	16°28	M 8
T 9	1 11 34	15°59'40	6♈19	9°55	29°31	23°29	15°17	12° 7	26°22	24°52	5°12	23° 0	24°27	17°12	16°29	T 9
W10	1 15 31	16°59'10	18°19	10°26	29° 7	23°44	15°29	12° 4	26°21	24°54	5°11	22°54	24°24	17°19	16°31	W10
T 11	1 19 27	17°58'42	0♉25	10°52	28°46	23°59	15°41	12° 1	26°21	24°56	5° 9	22°50	24°21	17°25	16°32	T 11
F 12	1 23 24	18°58'16	12°39	11°12	28°27	24°13	15°52	11°58	26°20	24°58	5° 8	22°48	24°18	17°32	16°33	F 12
S 13	1 27 20	19°57'52	25° 1	11°25	28°10	24°26	16° 4	11°54	26°20	25° 0	5° 7	22°D48	24°15	17°39	16°35	S 13
S 14	1 31 17	20°57'30	7♊35	11°R31	27°56	24°39	16°16	11°51	26°19	25° 2	5° 6	22°49	24°11	17°46	16°37	S 14
M15	1 35 13	21°57'10	20°23	11°30	27°44	24°52	16°28	11°48	26°19	25° 4	5° 5	22°50	24° 8	17°52	16°38	M15
T 16	1 39 10	22°56'53	3♋26	11°20	27°34	25° 3	16°39	11°45	26°18	25° 6	5° 4	22°52	24° 5	17°59	16°40	T 16
W17	1 43 7	23°56'38	16°49	11° 2	27°27	25°14	16°51	11°43	26°17	25° 8	5° 3	22°53	24° 2	18° 6	16°42	W17
T 18	1 47 3	24°56'26	0♌31	10°35	27°23	25°24	17° 3	11°40	26°16	25°10	5° 2	22°R53	23°59	18°12	16°44	T 18
F 19	1 51 0	25°56'15	14°36	10° 0	27°D21	25°33	17°14	11°37	26°15	25°12	5° 1	22°52	23°56	18°19	16°46	F 19
S 20	1 54 56	26°56'07	29° 0	9°15	27°21	25°42	17°26	11°35	26°15	25°14	5° 0	22°49	23°52	18°26	16°48	S 20
S 21	1 58 53	27°56'01	13♍41	8°21	27°24	25°50	17°37	11°32	26°14	25°16	4°58	22°46	23°49	18°32	16°50	S 21
M22	2 2 49	28°55'57	28°34	7°20	27°29	25°57	17°48	11°30	26°13	25°18	4°57	22°43	23°46	18°39	16°52	M22
T 23	2 6 46	29°55'55	13♎31	6°12	27°37	26° 3	17°59	11°28	26°11	25°20	4°56	22°40	23°43	18°46	16°54	T 23
W24	2 10 42	0♏55'56	28°24	4°58	27°47	26° 9	18°10	11°25	26°10	25°22	4°55	22°37	23°40	18°53	16°56	W24
T 25	2 14 39	1°55'58	13♏ 4	3°42	27°58	26°14	18°22	11°23	26° 9	25°24	4°54	22°36	23°36	18°59	16°59	T 25
F 26	2 18 36	2°56'02	27°24	2°24	28°12	26°17	18°33	11°21	26° 8	25°26	4°53	22°D36	23°33	19° 6	17° 1	F 26
S 27	2 22 32	3°56'08	11♐20	1° 8	28°29	26°21	18°43	11°19	26° 7	25°27	4°52	22°37	23°30	19°13	17° 4	S 27
S 28	2 26 29	4°56'16	24°51	29♎55	28°47	26°23	18°54	11°18	26° 5	25°29	4°51	22°38	23°27	19°19	17° 6	S 28
M29	2 30 25	5°56'25	7♑57	28°49	29° 7	26°24	19° 5	11°16	26° 4	25°31	4°49	22°39	23°24	19°26	17° 9	M29
T 30	2 34 22	6°56'36	20°40	27°50	29°29	26°R25	19°16	11°14	26° 3	25°33	4°48	22°40	23°21	19°33	17°12	T 30
W31	2 38 18	7♏56'48	3♒ 4	27♎ 1	29♍52	26♊25	19♍26	11♓13	26♊ 1	25♍35	4♉47	22°R41	23♉17	19♓40	17♑14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	3s13	26s32	3s 3	15s13	2s45	8s44	7s56	22n50	0s21	7n23	1n 1	8s56	2s16	23n36	0n 9	3n20	1n16	2s16	16s30	18n43	19n 2	9s50	15s30	7n 2	
T 2	3 36	26 47	3 53	15 39	2 50	8 23	7 47	22 53	0 19	7 18	1 1	8 57	2 16	23 36	0 9	3 19	1 16	2 17	16 31	18 43	19 1	9 47	15 31	7 2	
W 3	3 59	25 41	4 31	16 3	2 55	8 1	7 39	22 56	0 18	7 13	1 1	8 59	2 16	23 36	0 9	3 18	1 16	2 17	16 31	18 43	19 0	9 44	15 31	7 1	
T 4	4 23	23 23	4 56	16 26	3 0	7 38	7 29	22 59	0 16	7 9	1 1	9 0	2 16	23 36	0 9	3 17	1 16	2 17	16 31	18 42	18 59	9 41	15 31	7 0	
F 5	4 46	20 6	5 8	16 48	3 4	7 16	7 19	23 2	0 14	7 4	1 1	9 2	2 16	23 36	0 9	3 16	1 16	2 18	16 31	18 41	18 59	9 38	15 32	7 0	
S 6	5 9	16 2	5 7	17 7	3 7	6 54	7 8	23 5	0 12	6 59	1 1	9 3	2 16	23 36	0 9	3 15	1 16	2 18	16 31	18 39	18 58	9 35	15 32	6 59	
S 7	5 32	11 22	4 52	17 25	3 10	6 31	6 56	23 8	0 10	6 55	1 1	9 4	2 16	23 36	0 9	3 15	1 16	2 19	16 31	18 37	18 57	9 32	15 33	6 59	
M 8	5 55	6 17	4 25	17 40	3 13	6 9	6 44	23 11	0 8	6 50	1 1	9 5	2 15	23 36	0 9	3 14	1 16	2 19	16 31	18 36	18 56	9 29	15 33	6 58	
T 9	6 18	0 56	3 46	17 54	3 15	5 48	6 32	23 14	0 6	6 46	1 2	9 7	2 15	23 36	0 9	3 13	1 16	2 20	16 31	18 34	18 56	9 26	15 33	6 58	
W10	6 41	4n28	2 57	18 5	3 16	5 26	6 19	23 16	0 4	6 41	1 2	9 8	2 15	23 36	0 9	3 12	1 16	2 20	16 31	18 32	18 55	9 23	15 34	6 57	
T 11	7 4	9 47	1 59	18 13	3 16	5 6	6 6	23 19	0 2	6 37	1 2	9 9	2 15	23 36	0 9	3 11	1 17	2 20	16 32	18 31	18 54	9 20	15 34	6 57	
F 12	7 27	14 47	0 55	18 18	3 15	4 46	5 52	23 22	0n 0	6 32	1 2	9 10	2 15	23 36	0 9	3 11	1 17	2 21	16 32	18 31	18 53	9 17	15 35	6 56	
S 13	7 49	19 16	0n12	18 21	3 13	4 26	5 38	23 25	0 2	6 28	1 2	9 11	2 15	23 36	0 10	3 10	1 17	2 21	16 32	18 31	18 52	9 14	15 35	6 56	
S 14	8 12	22 56	1 20	18 20	3 10	4 8	5 25	23 27	0 4	6 23	1 2	9 12	2 15	23 36	0 10	3 9	1 17	2 22	16 32	18 31	18 52	9 11	15 35	6 55	
M15	8 34	25 33	2 25	18 15	3 6	3 50	5 11	23 30	0 7	6 19	1 2	9 13	2 15	23 36	0 10	3 8	1 17	2 22	16 32	18 31	18 51	9 8	15 36	6 55	
T 16	8 56	26 51	3 24	18 7	3 0	3 34	4 56	23 33	0 9	6 14	1 2	9 14	2 15	23 36	0 10	3 7	1 17	2 22	16 32	18 32	18 50	9 5	15 36	6 54	
W17	9 19	26 38	4 14	17 54	2 53	3 18	4 42	23 35	0 11	6 10	1 3	9 15	2 14	23 36	0 10	3 7	1 17	2 23	16 32	18 32	18 49	9 2	15 36	6 54	
T 18	9 41	24 48	4 50	17 37	2 44	3 3	4 28	23 38	0 13	6 5	1 3	9 16	2 14	23 36	0 10	3 6	1 17	2 23	16 32	18 32	18 48	8 59	15 36	6 53	
F 19	10 2	21 26	5 11	17 16	2 33	2 50	4 14	23 41	0 16	6 1	1 3	9 17	2 14	23 36	0 10	3 5	1 17	2 24	16 32	18 32	18 48	8 56	15 37	6 53	
S 20	10 24	16 43	5 12	16 49	2 20	2 37	4 0	23 43	0 18	5 57	1 3	9 18	2 14	23 36	0 10	3 4	1 17	2 24	16 32	18 31	18 47	8 53	15 37	6 52	
S 21	10 46	10 56	4 53	16 19	2 6	2 25	3 46	23 46	0 20	5 52	1 3	9 19	2 14	23 36	0 10	3 4	1 17	2 24	16 32	18 30	18 46	8 50	15 37	6 52	
M22	11 7	4 28	4 15	15 43	1 50	2 15	3 33	23 48	0 23	5 48	1 3	9 20	2 14	23 36	0 10	3 3	1 17	2 25	16 32	18 29	18 45	8 47	15 37	6 51	
T 23	11 28	2s18	3 19	15 4	1 33	2 5	3 19	23 51	0 25	5 44	1 3	9 20	2 14	23 36	0 10	3 2	1 17	2 25	16 32	18 29	18 45	8 44	15 38	6 51	
W24	11 49	8 55	2 9	14 22	1 14	1 57	3 6	23 54	0 28	5 40	1 4	9 21	2 14	23 36	0 10	3 1	1 17	2 25	16 32	18 28	18 44	8 41	15 38	6 50	
T 25	12 10	14 58	0 52	13 37	0 54	1 50	2 52	23 56	0 30	5 35	1 4	9 22	2 13	23 36	0 10	3 1	1 17	2 26	16 32	18 28	18 43	8 38	15 38	6 50	
F 26	12 31	20 3	0s26	12 51	0 34	1 43	2 40	23 59	0 33	5 31	1 4	9 22	2 13	23 36	0 10	3 0	1 17	2 26	16 32	18 28	18 42	8 35	15 38	6 49	
S 27	12 51	23 52	1 42	12 6	0 13	1 38	2 27	24 2	0 35	5 27	1 4	9 23	2 13	23 36	0 10	2 59	1 17	2 27	16 32	18 28	18 41	8 32	15 38	6 49	
S 28	13 12	26 12	2 49	11 21	0n 8	1 34	2 14	24 4	0 38	5 23	1 4	9 24	2 13	23 36	0 10	2 58	1 17	2 27	16 32	18 28	18 41	8 29	15 39	6 48	
M29	13 32	27 0	3 45	10 39	0 27	1 31	2 2	24 7	0 41	5 19	1 4	9 24	2 13	23 36	0 10	2 58	1 17	2 27	16 32	18 29	18 40	8 26	15 39	6 48	
T 30	13 52	26 19	4 28	10 0	0 46	1 28	1 50	24 10	0 43	5 15	1 5	9 25	2 13	23 36	0 10	2 57	1 17	2 28	16 32	18 29	18 39	8 23	15 39	6 47	
W31	14s11	24s21	4s58	9s27	1n 4	1s27	1s38	24n12	0n46	5n11	1n 5	9s25	2s13	23n36	0n10	2n56	1n17	2s28	16s32	18n29	18n38	8s20	15s39	6n47	

Julian Day Number = 2310104.5, Delta T = 73.71 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'08, Lahiri = 18°27'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1612
geocentric

NOVEMBER 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 42 15	8♏57'02	15♒13	26°R23	0♎18	26°R24	19♍37	11°R11	26°R 0	25♍36	4°R46	22°R41	23♉14	19♓46	17♑17	T 1
F 2	2 46 11	9°57'18	27°11	25♎57	0°45	26♊22	19°47	11♓10	25♊58	25°38	4♉45	22♉40	23°11	19°53	17°20	F 2
S 3	2 50 8	10°57'34	9♓ 4	25°42	1°14	26°19	19°57	11° 9	25°57	25°40	4°44	22°39	23° 8	20° 0	17°23	S 3
S 4	2 54 5	11°57'53	20°56	25°D38	1°45	26°15	20° 8	11° 8	25°55	25°41	4°43	22°38	23° 5	20° 6	17°26	S 4
M 5	2 58 1	12°58'12	2♈49	25°46	2°17	26°11	20°18	11° 7	25°53	25°43	4°42	22°36	23° 2	20°13	17°29	M 5
T 6	3 1 58	13°58'34	14°49	26° 4	2°50	26° 5	20°28	11° 6	25°52	25°45	4°40	22°35	22°58	20°20	17°32	T 6
W 7	3 5 54	14°58'57	26°56	26°32	3°25	25°59	20°38	11° 5	25°50	25°46	4°39	22°34	22°55	20°27	17°36	W 7
T 8	3 9 51	15°59'21	9♉14	27° 8	4° 1	25°52	20°48	11° 4	25°48	25°48	4°38	22°33	22°52	20°33	17°39	T 8
F 9	3 13 47	16°59'47	21°42	27°53	4°39	25°44	20°57	11° 4	25°46	25°50	4°37	22°D33	22°49	20°40	17°42	F 9
S 10	3 17 44	18° 0'15	4♊24	28°44	5°18	25°35	21° 7	11° 3	25°45	25°51	4°36	22°33	22°46	20°47	17°46	S 10
S 11	3 21 40	19° 0'45	17°18	29°42	5°58	25°25	21°17	11° 3	25°43	25°53	4°35	22°33	22°42	20°53	17°49	S 11
M12	3 25 37	20° 1'16	0♋25	0♏45	6°40	25°14	21°26	11° 2	25°41	25°54	4°34	22°34	22°39	21° 0	17°53	M12
T 13	3 29 34	21° 1'49	13°46	1°53	7°22	25° 3	21°35	11° 2	25°39	25°56	4°33	22°34	22°36	21° 7	17°56	T 13
W14	3 33 30	22° 2'24	27°20	3° 4	8° 6	24°51	21°44	11°D 2	25°37	25°57	4°32	22°34	22°33	21°13	18° 0	W14
T 15	3 37 27	23° 3'00	11♌ 7	4°19	8°50	24°37	21°54	11° 2	25°35	25°58	4°31	22°R34	22°30	21°20	18° 4	T 15
F 16	3 41 23	24° 3'39	25° 6	5°37	9°36	24°23	22° 3	11° 2	25°33	26° 0	4°30	22°D34	22°27	21°27	18° 7	F 16
S 17	3 45 20	25° 4'19	9♍17	6°58	10°23	24° 9	22°11	11° 3	25°31	26° 1	4°29	22°34	22°23	21°34	18°11	S 17
S 18	3 49 16	26° 5'00	23°38	8°21	11°10	23°53	22°20	11° 3	25°29	26° 2	4°28	22°34	22°20	21°40	18°15	S 18
M19	3 53 13	27° 5'43	8♎ 4	9°45	11°59	23°37	22°29	11° 4	25°26	26° 4	4°26	22°35	22°17	21°47	18°19	M19
T 20	3 57 9	28° 6'28	22°33	11°11	12°48	23°20	22°37	11° 4	25°24	26° 5	4°25	22°35	22°14	21°54	18°23	T 20
W21	4 1 6	29° 7'15	6♏59	12°38	13°39	23° 2	22°46	11° 5	25°22	26° 6	4°24	22°36	22°11	22° 0	18°27	W21
T 22	4 5 3	0♐ 8'03	21°17	14° 7	14°30	22°44	22°54	11° 6	25°20	26° 7	4°23	22°R36	22° 7	22° 7	18°31	T 22
F 23	4 8 59	1° 8'52	5♐22	15°36	15°21	22°25	23° 2	11° 6	25°17	26° 9	4°22	22°36	22° 4	22°14	18°35	F 23
S 24	4 12 56	2° 9'42	19°10	17° 6	16°14	22° 5	23°10	11° 7	25°15	26°10	4°21	22°35	22° 1	22°21	18°39	S 24
S 25	4 16 52	3°10'34	2♑38	18°36	17° 7	21°45	23°18	11° 9	25°13	26°11	4°20	22°34	21°58	22°27	18°43	S 25
M26	4 20 49	4°11'27	15°45	20° 7	18° 1	21°24	23°26	11°10	25°11	26°12	4°20	22°32	21°55	22°34	18°48	M26
T 27	4 24 45	5°12'20	28°30	21°38	18°56	21° 3	23°34	11°11	25° 8	26°13	4°19	22°30	21°52	22°41	18°52	T 27
W28	4 28 42	6°13'15	10♒57	23°10	19°51	20°41	23°41	11°13	25° 6	26°14	4°18	22°29	21°48	22°47	18°56	W28
T 29	4 32 38	7°14'10	23° 9	24°42	20°47	20°19	23°49	11°14	25° 3	26°15	4°17	22°28	21°45	22°54	19° 1	T 29
F 30	4 36 35	8♐15'06	5♓ 9	26♏14	21♎43	19♊56	23♍56	11♓16	25♊ 1	26♍16	4♉16	22°D27	21♉42	23♓ 1	19♑ 5	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s31	21s18	5s14	8s58	1n19	1s27	1s27	24n15	0n49	5n 7	1n 5	9s25	2s12	23n36	0n10	2n56	1n17	2s28	16s32	18n29	18n37	8s17	15s39	6n46
F 2	14 50	17 24	5 15	8 36	1 33	1 27	1 16	24 18	0 51	5 3	1 5	9 26	2 12	23 36	0 10	2 55	1 17	2 28	16 32	18 29	18 37	8 14	15 39	6 46
S 3	15 9	12 52	5 3	8 19	1 45	1 29	1 5	24 21	0 54	4 59	1 5	9 26	2 12	23 36	0 10	2 54	1 17	2 29	16 32	18 28	18 36	8 11	15 39	6 45
S 4	15 28	7 52	4 39	8 9	1 55	1 31	0 54	24 23	0 57	4 55	1 5	9 26	2 12	23 36	0 10	2 54	1 17	2 29	16 32	18 28	18 35	8 8	15 39	6 45
M 5	15 46	2 34	4 2	8 4	2 3	1 35	0 44	24 26	1 0	4 52	1 6	9 27	2 12	23 36	0 10	2 53	1 17	2 29	16 32	18 28	18 34	8 5	15 39	6 44
T 6	16 4	2n52	3 14	8 4	2 10	1 39	0 34	24 29	1 3	4 48	1 6	9 27	2 12	23 35	0 10	2 53	1 17	2 30	16 32	18 27	18 33	8 2	15 40	6 44
W 7	16 22	8 16	2 17	8 10	2 15	1 44	0 24	24 31	1 6	4 44	1 6	9 27	2 11	23 35	0 10	2 52	1 17	2 30	16 32	18 27	18 33	7 59	15 40	6 44
T 8	16 40	13 27	1 13	8 20	2 18	1 49	0 14	24 34	1 9	4 40	1 6	9 27	2 11	23 35	0 10	2 51	1 17	2 30	16 32	18 27	18 32	7 56	15 40	6 43
F 9	16 57	18 9	0 5	8 34	2 20	1 56	0 5	24 37	1 12	4 37	1 6	9 27	2 11	23 35	0 10	2 51	1 17	2 30	16 31	18 27	18 31	7 53	15 40	6 43
S 10	17 14	22 8	1n 5	8 51	2 21	2 3	0n 4	24 40	1 15	4 33	1 7	9 27	2 11	23 35	0 10	2 50	1 18	2 31	16 31	18 27	18 30	7 50	15 40	6 42
S 11	17 31	25 5	2 13	9 12	2 21	2 11	0 13	24 42	1 18	4 29	1 7	9 27	2 11	23 35	0 10	2 50	1 18	2 31	16 31	18 27	18 29	7 47	15 40	6 42
M12	17 47	26 44	3 15	9 35	2 19	2 20	0 21	24 45	1 20	4 26	1 7	9 27	2 11	23 35	0 10	2 49	1 18	2 31	16 31	18 27	18 28	7 44	15 40	6 41
T 13	18 3	26 53	4 7	10 0	2 17	2 29	0 29	24 47	1 23	4 22	1 7	9 27	2 10	23 35	0 10	2 49	1 18	2 31	16 31	18 27	18 28	7 41	15 39	6 41
W14	18 19	25 26	4 47	10 28	2 14	2 39	0 37	24 50	1 26	4 19	1 7	9 27	2 10	23 35	0 10	2 48	1 18	2 32	16 31	18 27	18 27	7 38	15 39	6 41
T 15	18 35	22 27	5 11	10 56	2 11	2 50	0 45	24 52	1 29	4 15	1 8	9 27	2 10	23 35	0 10	2 48	1 18	2 32	16 31	18 27	18 26	7 35	15 39	6 40
F 16	18 50	18 9	5 17	11 26	2 6	3 1	0 52	24 55	1 32	4 12	1 8	9 26	2 10	23 35	0 10	2 47	1 18	2 32	16 31	18 27	18 25	7 32	15 39	6 40
S 17	19 4	12 47	5 4	11 57	2 2	3 12	0 59	24 57	1 35	4 9	1 8	9 26	2 10	23 35	0 10	2 47	1 18	2 32	16 31	18 27	18 24	7 29	15 39	6 40
S 18	19 19	6 42	4 32	12 29	1 56	3 25	1 6	24 59	1 38	4 5	1 8	9 26	2 9	23 35	0 10	2 46	1 18	2 32	16 30	18 27	18 24	7 26	15 39	6 39
M19	19 33	0 12	3 43	13 1	1 51	3 38	1 13	25 2	1 41	4 2	1 8	9 26	2 9	23 35	0 10	2 46	1 18	2 33	16 30	18 27	18 23	7 23	15 39	6 39
T 20	19 47	6s20	2 39	13 33	1 45	3 51	1 19	25 4	1 44	3 59	1 9	9 25	2 9	23 35	0 10	2 45	1 18	2 33	16 30	18 27	18 22	7 20	15 39	6 38
W21	20 0	12 32	1 26	14 6	1 39	4 5	1 26	25 6	1 47	3 56	1 9	9 25	2 9	23 35	0 10	2 45	1 18	2 33	16 30	18 28	18 21	7 17	15 39	6 38
T 22	20 13	18 0	0 7	14 38	1 32	4 19	1 31	25 8	1 50	3 53	1 9	9 24	2 9	23 35	0 10	2 44	1 18	2 33	16 30	18 28	18 20	7 14	15 38	6 38
F 23	20 26	22 24	1s10	15 11	1 26	4 34	1 37	25 9	1 53	3 50	1 9	9 24	2 9	23 35	0 10	2 44	1 18	2 33	16 30	18 28	18 20	7 11	15 38	6 37
S 24	20 38	25 24	2 22	15 43	1 19	4 49	1 43	25 11	1 56	3 47	1 10	9 23	2 8	23 35	0 10	2 43	1 18	2 33	16 29	18 27	18 19	7 7	15 38	6 37
S 25	20 50	26 52	3 24	16 15	1 12	5 5	1 48	25 13	1 59	3 44	1 10	9 23	2 8	23 34	0 10	2 43	1 18	2 34	16 29	18 27	18 18	7 4	15 38	6 37
M26	21 2	26 45	4 13	16 46	1 5	5 21	1 53	25 14	2 2	3 41	1 10	9 22	2 8	23 34	0 10	2 43	1 18	2 34	16 29	18 27	18 17	7 1	15 38	6 36
T 27	21 13	25 13	4 49	17 17	0 58	5 37	1 58	25 15	2 5	3 38	1 10	9 21	2 8	23 34	0 10	2 42	1 18	2 34	16 29	18 26	18 16	6 58	15 37	6 36
W28	21 24	22 29	5 10	17 47	0 51	5 53	2 2	25 17	2 7	3 35	1 10	9 21	2 8	23 34	0 10	2 42	1 18	2 34	16 29	18 26	18 15	6 55	15 37	6 36
T 29	21 34	18 48	5 16	18 17	0 44	6 10	2 7	25 18	2 10	3 33	1 11	9 20	2 8	23 34	0 10	2 41	1 18	2 34	16 28	18 26	18 15	6 52	15 37	6 35
F 30	21s44	14s25	5s 8	18s46	0n37	6s27	2n11	25n19	2n13	3n30	1n11	9s19	2s 7	23n34	0n10	2n41	1n18	2s34	16s28	18n25	18n14	6s49	15s36	6n35

Julian Day Number = 2310135.5, Delta T = 73.62 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'12, Lahiri = 18°27'13Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1612
geocentric

DECEMBER 1612 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 32	9♐16'03	17♓ 2	27♏47	22♎40	19°R34	24♍ 3	11♓18	24°R59	26♍17	4°R15	22♉27	21♉39	23♓ 7	19♑ 9	S 1
S 2	4 44 28	10°17'00	28°54	29°19	23°38	19♊11	24°10	11°19	24♊56	26°18	4♉14	22°28	21°36	23°14	19°14	S 2
M 3	4 48 25	11°17'58	10♈48	0♐52	24°36	18°48	24°17	11°21	24°54	26°19	4°13	22°30	21°33	23°21	19°18	M 3
T 4	4 52 21	12°18'57	22°49	2°25	25°34	18°24	24°23	11°23	24°51	26°20	4°12	22°31	21°29	23°28	19°23	T 4
W 5	4 56 18	13°19'56	5♉ 1	3°57	26°33	18° 1	24°30	11°26	24°49	26°20	4°11	22°33	21°26	23°34	19°28	W 5
T 6	5 0 14	14°20'56	17°28	5°30	27°33	17°37	24°36	11°28	24°46	26°21	4°11	22°R34	21°23	23°41	19°32	T 6
F 7	5 4 11	15°21'57	0♊12	7° 4	28°33	17°14	24°42	11°30	24°44	26°22	4°10	22°33	21°20	23°48	19°37	F 7
S 8	5 8 7	16°22'59	13°13	8°37	29°33	16°50	24°48	11°33	24°41	26°23	4° 9	22°32	21°17	23°54	19°42	S 8
S 9	5 12 4	17°24'01	26°32	10°10	0♏34	16°27	24°54	11°35	24°39	26°23	4° 8	22°30	21°13	24° 1	19°46	S 9
M10	5 16 1	18°25'04	10♋ 6	11°44	1°36	16° 4	25° 0	11°38	24°36	26°24	4° 7	22°26	21°10	24° 8	19°51	M10
T 11	5 19 57	19°26'08	23°54	13°17	2°37	15°41	25° 6	11°41	24°33	26°25	4° 7	22°22	21° 7	24°14	19°56	T 11
W12	5 23 54	20°27'13	7♌52	14°51	3°40	15°18	25°11	11°43	24°31	26°25	4° 6	22°17	21° 4	24°21	20° 1	W12
T 13	5 27 50	21°28'19	21°57	16°25	4°42	14°56	25°16	11°46	24°28	26°26	4° 5	22°14	21° 1	24°28	20° 6	T 13
F 14	5 31 47	22°29'25	6♍ 6	17°59	5°45	14°33	25°22	11°49	24°26	26°26	4° 4	22°11	20°58	24°35	20°11	F 14
S 15	5 35 43	23°30'32	20°16	19°33	6°48	14°12	25°27	11°53	24°23	26°27	4° 4	22°D10	20°54	24°41	20°16	S 15
S 16	5 39 40	24°31'40	4♎25	21° 7	7°52	13°50	25°31	11°56	24°21	26°27	4° 3	22°11	20°51	24°48	20°21	S 16
M17	5 43 36	25°32'48	18°31	22°42	8°56	13°29	25°36	11°59	24°18	26°28	4° 2	22°12	20°48	24°55	20°26	M17
T 18	5 47 33	26°33'57	2♏34	24°16	10° 0	13° 9	25°40	12° 3	24°15	26°28	4° 2	22°13	20°45	25° 1	20°31	T 18
W19	5 51 30	27°35'07	16°30	25°51	11° 5	12°49	25°45	12° 6	24°13	26°28	4° 1	22°R14	20°42	25° 8	20°36	W19
T 20	5 55 26	28°36'18	0♐20	27°27	12° 9	12°30	25°49	12°10	24°10	26°29	4° 1	22°14	20°39	25°15	20°41	T 20
F 21	5 59 23	29°37'29	13°59	29° 2	13°15	12°11	25°53	12°13	24° 8	26°29	4° 0	22°12	20°35	25°21	20°46	F 21
S 22	6 3 19	0♑38'40	27°27	0♑38	14°20	11°53	25°57	12°17	24° 5	26°29	3°59	22° 8	20°32	25°28	20°51	S 22
S 23	6 7 16	1°39'52	10♑40	2°14	15°26	11°35	26° 0	12°21	24° 3	26°29	3°59	22° 3	20°29	25°35	20°56	S 23
M24	6 11 12	2°41'04	23°38	3°50	16°31	11°18	26° 4	12°25	24° 0	26°29	3°58	21°55	20°26	25°42	21° 1	M24
T 25	6 15 9	3°42'15	6♒19	5°27	17°38	11° 2	26° 7	12°29	23°57	26°30	3°58	21°47	20°23	25°48	21° 6	T 25
W26	6 19 6	4°43'27	18°45	7° 4	18°44	10°47	26°10	12°33	23°55	26°30	3°57	21°40	20°20	25°55	21°11	W26
T 27	6 23 2	5°44'38	0♓56	8°41	19°51	10°32	26°13	12°38	23°52	26°30	3°57	21°33	20°16	26° 2	21°17	T 27
F 28	6 26 59	6°45'50	12°56	10°19	20°57	10°19	26°15	12°42	23°50	26°R30	3°56	21°28	20°13	26° 8	21°22	F 28
S 29	6 30 55	7°47'00	24°49	11°56	22° 4	10° 6	26°18	12°46	23°47	26°30	3°56	21°25	20°10	26°15	21°27	S 29
S 30	6 34 52	8°48'11	6♈39	13°35	23°12	9°53	26°20	12°51	23°45	26°30	3°56	21°D24	20° 7	26°22	21°32	S 30
M31	6 38 48	9♑49'21	18♈32	15♑13	24♏19	9♊42	26♍22	12♓55	23♊43	26♍30	3♉55	21♉24	20♉ 4	26♓28	21♑38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s53	9s32	4s48	19s14	0n29	6s45	2n15	25n19	2n15	3n27	1n11	9s18	2s 7	23n34	0n10	2n41	1n18	2s34	16s28	18n25	18n13	6s46	15s36	6n35
S 2	22 2	4 20	4 15	19 41	0 22	7 3	2 19	25 20	2 18	3 25	1 11	9 17	2 7	23 34	0 10	2 41	1 19	2 34	16 28	18 26	18 12	6 43	15 36	6 34
M 3	22 11	1n 3	3 30	20 8	0 15	7 21	2 22	25 21	2 20	3 22	1 12	9 16	2 7	23 34	0 10	2 40	1 19	2 34	16 28	18 26	18 11	6 40	15 36	6 34
T 4	22 19	6 28	2 37	20 33	0 8	7 39	2 26	25 21	2 23	3 20	1 12	9 16	2 7	23 34	0 10	2 40	1 19	2 34	16 27	18 26	18 10	6 37	15 35	6 34
W 5	22 27	11 44	1 35	20 58	0 1	7 57	2 29	25 21	2 25	3 18	1 12	9 15	2 6	23 34	0 10	2 40	1 19	2 34	16 27	18 27	18 10	6 34	15 35	6 34
T 6	22 34	16 38	0 28	21 22	0s 6	8 16	2 32	25 21	2 27	3 15	1 12	9 14	2 6	23 34	0 10	2 39	1 19	2 35	16 27	18 27	18 9	6 30	15 34	6 33
F 7	22 41	20 55	0n42	21 44	0 12	8 34	2 35	25 21	2 29	3 13	1 13	9 12	2 6	23 33	0 10	2 39	1 19	2 35	16 27	18 27	18 8	6 27	15 34	6 33
S 8	22 48	24 16	1 51	22 6	0 19	8 53	2 37	25 21	2 31	3 11	1 13	9 11	2 6	23 33	0 10	2 39	1 19	2 35	16 26	18 27	18 7	6 24	15 34	6 33
S 9	22 54	26 23	2 56	22 27	0 26	9 12	2 40	25 21	2 33	3 9	1 13	9 10	2 6	23 33	0 10	2 39	1 19	2 35	16 26	18 26	18 6	6 21	15 33	6 33
M10	22 59	26 57	3 52	22 46	0 32	9 31	2 42	25 20	2 35	3 7	1 13	9 9	2 6	23 33	0 10	2 38	1 19	2 35	16 26	18 25	18 5	6 18	15 33	6 32
T 11	23 4	25 53	4 35	23 5	0 39	9 51	2 44	25 20	2 37	3 5	1 14	9 8	2 5	23 33	0 10	2 38	1 19	2 35	16 26	18 24	18 5	6 15	15 32	6 32
W12	23 9	23 13	5 3	23 22	0 45	10 10	2 46	25 19	2 39	3 3	1 14	9 7	2 5	23 33	0 10	2 38	1 19	2 35	16 25	18 23	18 4	6 12	15 32	6 32
T 13	23 13	19 9	5 13	23 39	0 51	10 29	2 47	25 18	2 41	3 1	1 14	9 5	2 5	23 33	0 10	2 38	1 19	2 35	16 25	18 22	18 3	6 9	15 31	6 32
F 14	23 17	14 0	5 4	23 54	0 57	10 49	2 49	25 17	2 42	2 59	1 14	9 4	2 5	23 33	0 10	2 38	1 19	2 34	16 25	18 21	18 2	6 6	15 31	6 31
S 15	23 20	8 6	4 36	24 7	1 3	11 8	2 50	25 16	2 44	2 57	1 15	9 3	2 5	23 33	0 10	2 38	1 19	2 34	16 25	18 21	18 1	6 2	15 30	6 31
S 16	23 23	1 47	3 52	24 20	1 8	11 27	2 52	25 15	2 45	2 56	1 15	9 1	2 5	23 33	0 10	2 37	1 19	2 34	16 24	18 21	18 0	5 59	15 30	6 31
M17	23 25	4s36	2 54	24 31	1 14	11 47	2 53	25 14	2 47	2 54	1 15	9 0	2 4	23 33	0 10	2 37	1 19	2 34	16 24	18 21	18 0	5 56	15 29	6 31
T 18	23 27	10 44	1 45	24 41	1 19	12 6	2 54	25 12	2 48	2 53	1 15	8 58	2 4	23 32	0 10	2 37	1 19	2 34	16 24	18 22	17 59	5 53	15 29	6 31
W19	23 28	16 19	0 31	24 50	1 24	12 25	2 54	25 11	2 49	2 51	1 16	8 57	2 4	23 32	0 10	2 37	1 19	2 34	16 23	18 22	17 58	5 50	15 28	6 31
T 20	23 29	20 59	0s44	24 57	1 29	12 44	2 55	25 10	2 50	2 50	1 16	8 55	2 4	23 32	0 10	2 37	1 19	2 34	16 23	18 22	17 57	5 47	15 28	6 30
F 21	23 29	24 26	1 56	25 3	1 33	13 4	2 55	25 8	2 52	2 48	1 16	8 54	2 4	23 32	0 10	2 37	1 20	2 34	16 23	18 22	17 56	5 44	15 27	6 30
S 22	23 29	26 27	3 0	25 7	1 38	13 23	2 56	25 7	2 53	2 47	1 17	8 52	2 4	23 32	0 11	2 37	1 20	2 34	16 22	18 21	17 55	5 41	15 27	6 30
S 23	23 29	26 55	3 52	25 10	1 42	13 41	2 56	25 5	2 53	2 46	1 17	8 50	2 3	23 32	0 11	2 37	1 20	2 34	16 22	18 19	17 55	5 37	15 26	6 30
M24	23 28	25 53	4 32	25 12	1 46	14 0	2 56	25 4	2 54	2 45	1 17	8 49	2 3	23 32	0 11	2 37	1 20	2 34	16 22	18 17	17 54	5 34	15 25	6 30
T 25	23 26	23 32	4 58	25 12	1 49	14 19	2 56	25 2	2 55	2 44	1 17	8 47	2 3	23 32	0 11	2 37	1 20	2 33	16 22	18 15	17 53	5 31	15 25	6 30
W26	23 24	20 7	5 8	25 11	1 53	14 37	2 56	25 0	2 56	2 43	1 18	8 45	2 3	23 32	0 11	2 37	1 20	2 33	16 21	18 13	17 52	5 28	15 24	6 29
T 27	23 22	15 54	5 4	25 8	1 56	14 55	2 55	24 59	2 56	2 42	1 18	8 44	2 3	23 31	0 11	2 37	1 20	2 33	16 21	18 11	17 51	5 25	15 23	6 29
F 28	23 19	11 8	4 47	25 3	1 58	15 14	2 55	24 57	2 57	2 41	1 18	8 42	2 3	23 31	0 11	2 37	1 20	2 33	16 21	18 10	17 50	5 22	15 23	6 29
S 29	23 16	6 1	4 18	24 57	2 1	15 31	2 54	24 56	2 57	2 40	1 19	8 40	2 3	23 31	0 11	2 37	1 20	2 33	16 20	18 9	17 49	5 19	15 22	6 29
S 30	23 12	0 41	3 38	24 50	2 3	15 49	2 53	24 54	2 58	2 40	1 19	8 38	2 2	23 31	0 11	2 37	1 20	2 33	16 20	18 9	17 49	5 15	15 21	6 29
M31	23s 8	4n41	2s48	24s41	2s 4	16s 6	2n52	24n53	2n58	2n39	1n19	8s36	2s 2	23n31	0n11	2n37	1n20	2s33	16s20	18n 9	17n48	5s12	15s21	6n29

Julian Day Number = 2310165.5, Delta T = 73.53 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'16, Lahiri = 18°27'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

JANUARY 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 42 45	10♑50'31	0♉32	16♑52	25♏27	9°R31	26♍24	13♓ 0	23°R40	26°R30	3°R55	21♉25	20♉ 0	26♓35	21♑43	T 1
W 2	6 46 41	11°51'41	12°44	18°31	26°35	9♊22	26°26	13° 5	23♊38	26♍29	3♉55	21°26	19°57	26°42	21°48	W 2
T 3	6 50 38	12°52'50	25°15	20°11	27°43	9°13	26°28	13°10	23°35	26°29	3°54	21°R27	19°54	26°49	21°53	T 3
F 4	6 54 35	13°53'58	8♊ 6	21°51	28°51	9° 4	26°29	13°14	23°33	26°29	3°54	21°25	19°51	26°55	21°59	F 4
S 5	6 58 31	14°55'07	21°21	23°31	29°59	8°57	26°30	13°19	23°31	26°29	3°54	21°21	19°48	27° 2	22° 4	S 5
S 6	7 2 28	15°56'14	4♋59	25°11	1♐ 8	8°51	26°31	13°24	23°28	26°29	3°53	21°15	19°45	27° 9	22° 9	S 6
M 7	7 6 24	16°57'22	18°58	26°51	2°16	8°45	26°32	13°29	23°26	26°28	3°53	21° 7	19°41	27°15	22°15	M 7
T 8	7 10 21	17°58'29	3♌15	28°32	3°25	8°40	26°33	13°35	23°24	26°28	3°53	20°57	19°38	27°22	22°20	T 8
W 9	7 14 17	18°59'35	17°43	0♒12	4°34	8°36	26°33	13°40	23°21	26°27	3°53	20°48	19°35	27°29	22°25	W 9
T 10	7 18 14	20° 0'42	2♍16	1°52	5°43	8°33	26°33	13°45	23°19	26°27	3°53	20°39	19°32	27°35	22°31	T 10
F 11	7 22 10	21° 1'47	16°47	3°32	6°53	8°30	26°R33	13°51	23°17	26°27	3°52	20°32	19°29	27°42	22°36	F 11
S 12	7 26 7	22° 2'53	1♎10	5°12	8° 2	8°29	26°33	13°56	23°15	26°26	3°52	20°28	19°26	27°49	22°41	S 12
S 13	7 30 4	23° 3'58	15°23	6°51	9°12	8°28	26°33	14° 2	23°13	26°26	3°52	20°26	19°22	27°56	22°47	S 13
M14	7 34 0	24° 5'03	29°24	8°29	10°21	8°D28	26°32	14° 7	23°10	26°25	3°52	20°D26	19°19	28° 2	22°52	M14
T 15	7 37 57	25° 6'08	13♏12	10° 6	11°31	8°28	26°32	14°13	23° 8	26°24	3°52	20°R26	19°16	28° 9	22°57	T 15
W16	7 41 53	26° 7'12	26°48	11°41	12°41	8°30	26°31	14°19	23° 6	26°24	3°52	20°26	19°13	28°16	23° 3	W16
T 17	7 45 50	27° 8'16	10♐13	13°15	13°51	8°32	26°30	14°24	23° 4	26°23	3°D52	20°25	19°10	28°22	23° 8	T 17
F 18	7 49 46	28° 9'19	23°27	14°46	15° 1	8°34	26°28	14°30	23° 2	26°23	3°52	20°20	19° 6	28°29	23°13	F 18
S 19	7 53 43	29°10'22	6♑31	16°15	16°12	8°38	26°27	14°36	23° 0	26°22	3°52	20°13	19° 3	28°36	23°18	S 19
S 20	7 57 40	0♒11'24	19°23	17°41	17°22	8°42	26°25	14°42	22°59	26°21	3°52	20° 3	19° 0	28°42	23°24	S 20
M21	8 1 36	1°12'25	2♒ 4	19° 2	18°33	8°47	26°23	14°48	22°57	26°20	3°52	19°50	18°57	28°49	23°29	M21
T 22	8 5 33	2°13'26	14°34	20°20	19°43	8°53	26°21	14°54	22°55	26°20	3°52	19°37	18°54	28°56	23°34	T 22
W23	8 9 29	3°14'25	26°51	21°32	20°54	8°59	26°19	15° 0	22°53	26°19	3°52	19°23	18°51	29° 2	23°40	W23
T 24	8 13 26	4°15'23	8♓58	22°38	22° 5	9° 6	26°17	15° 6	22°51	26°18	3°53	19°11	18°47	29° 9	23°45	T 24
F 25	8 17 22	5°16'20	20°56	23°38	23°15	9°14	26°14	15°13	22°50	26°17	3°53	19° 1	18°44	29°16	23°50	F 25
S 26	8 21 19	6°17'15	2♈47	24°30	24°26	9°22	26°11	15°19	22°48	26°16	3°53	18°53	18°41	29°23	23°55	S 26
S 27	8 25 15	7°18'10	14°35	25°13	25°37	9°31	26° 8	15°25	22°46	26°15	3°53	18°49	18°38	29°29	24° 1	S 27
M28	8 29 12	8°19'03	26°25	25°48	26°48	9°41	26° 5	15°32	22°45	26°14	3°53	18°46	18°35	29°36	24° 6	M28
T 29	8 33 8	9°19'54	8♉22	26°13	28° 0	9°51	26° 2	15°38	22°43	26°13	3°54	18°D46	18°31	29°43	24°11	T 29
W30	8 37 5	10°20'44	20°32	26°27	29°11	10° 2	25°58	15°45	22°42	26°12	3°54	18°R46	18°28	29°49	24°16	W30
T 31	8 41 2	11♒21'33	2♊59	26°R30	0♑22	10♊13	25♍54	15♓51	22♊40	26♍11	3♉54	18♉45	18♉25	29♓56	24♑21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 3	9n57	1s50	24s30	2s 6	16s23	2n51	24n52	2n58	2n39	1n19	8s34	2s 2	23n31	0n11	2n37	1n20	2s32	16s19	18n 9	17n47	5s 9	15s20	6n29
W 2	22 58	14 57	0 47	24 18	2 7	16 40	2 50	24 50	2 58	2 38	1 20	8 32	2 2	23 31	0 11	2 37	1 20	2 32	16 19	18 10	17 46	5 6	15 19	6 29
T 3	22 52	19 27	0n20	24 4	2 7	16 57	2 49	24 49	2 58	2 38	1 20	8 30	2 2	23 31	0 11	2 38	1 20	2 32	16 19	18 10	17 45	5 3	15 19	6 29
F 4	22 46	23 9	1 28	23 48	2 7	17 13	2 48	24 48	2 59	2 38	1 20	8 28	2 2	23 31	0 11	2 38	1 20	2 32	16 18	18 9	17 44	5 0	15 18	6 29
S 5	22 39	25 45	2 33	23 31	2 7	17 29	2 46	24 47	2 59	2 37	1 20	8 26	2 2	23 30	0 11	2 38	1 20	2 31	16 18	18 8	17 43	4 57	15 17	6 29
S 6	22 32	26 55	3 31	23 12	2 6	17 45	2 45	24 46	2 59	2 37	1 21	8 24	2 1	23 30	0 11	2 38	1 20	2 31	16 18	18 7	17 43	4 53	15 16	6 29
M 7	22 25	26 24	4 18	22 52	2 4	18 0	2 43	24 45	2 59	2 37	1 21	8 22	2 1	23 30	0 11	2 38	1 20	2 31	16 17	18 5	17 42	4 50	15 15	6 29
T 8	22 17	24 10	4 50	22 30	2 2	18 15	2 41	24 44	2 58	2 37	1 21	8 20	2 1	23 30	0 11	2 38	1 20	2 31	16 17	18 2	17 41	4 47	15 15	6 29
W 9	22 9	20 22	5 4	22 6	2 0	18 29	2 39	24 43	2 58	2 37	1 22	8 18	2 1	23 30	0 11	2 39	1 21	2 30	16 17	17 59	17 40	4 44	15 14	6 29
T 10	22 0	15 19	4 58	21 41	1 57	18 43	2 38	24 42	2 58	2 37	1 22	8 16	2 1	23 30	0 11	2 39	1 21	2 30	16 16	17 57	17 39	4 41	15 13	6 28
F 11	21 51	9 25	4 33	21 14	1 53	18 57	2 35	24 42	2 58	2 38	1 22	8 14	2 1	23 30	0 11	2 39	1 21	2 30	16 16	17 55	17 38	4 38	15 12	6 28
S 12	21 41	3 4	3 51	20 46	1 48	19 10	2 33	24 41	2 58	2 38	1 22	8 11	2 1	23 30	0 11	2 39	1 21	2 30	16 16	17 54	17 37	4 34	15 11	6 28
S 13	21 31	3s22	2 55	20 16	1 43	19 23	2 31	24 41	2 57	2 38	1 23	8 9	2 1	23 30	0 11	2 39	1 21	2 29	16 15	17 54	17 37	4 31	15 10	6 28
M14	21 20	9 34	1 50	19 45	1 37	19 36	2 29	24 40	2 57	2 39	1 23	8 7	2 0	23 30	0 11	2 40	1 21	2 29	16 15	17 54	17 36	4 28	15 10	6 28
T 15	21 10	15 13	0 39	19 13	1 31	19 48	2 27	24 40	2 57	2 39	1 23	8 5	2 0	23 29	0 11	2 40	1 21	2 29	16 14	17 54	17 35	4 25	15 9	6 29
W16	20 58	20 2	0s34	18 39	1 24	19 59	2 24	24 40	2 56	2 40	1 24	8 2	2 0	23 29	0 11	2 40	1 21	2 28	16 14	17 54	17 34	4 22	15 8	6 29
T 17	20 47	23 44	1 43	18 5	1 15	20 10	2 22	24 40	2 56	2 41	1 24	8 0	2 0	23 29	0 11	2 41	1 21	2 28	16 14	17 53	17 33	4 19	15 7	6 29
F 18	20 35	26 5	2 46	17 30	1 6	20 21	2 19	24 40	2 55	2 41	1 24	7 58	2 0	23 29	0 11	2 41	1 21	2 28	16 13	17 52	17 32	4 15	15 6	6 29
S 19	20 22	26 58	3 39	16 54	0 57	20 31	2 16	24 40	2 55	2 42	1 24	7 55	2 0	23 29	0 11	2 41	1 21	2 27	16 13	17 50	17 31	4 12	15 5	6 29
S 20	20 9	26 22	4 19	16 18	0 46	20 40	2 14	24 40	2 54	2 43	1 25	7 53	2 0	23 29	0 11	2 42	1 21	2 27	16 13	17 47	17 30	4 9	15 4	6 29
M21	19 56	24 24	4 47	15 41	0 34	20 49	2 11	24 40	2 54	2 44	1 25	7 50	2 0	23 29	0 11	2 42	1 21	2 27	16 12	17 44	17 30	4 6	15 3	6 29
T 22	19 42	21 16	5 0	15 5	0 22	20 58	2 8	24 41	2 53	2 45	1 25	7 48	2 0	23 29	0 11	2 42	1 21	2 26	16 12	17 40	17 29	4 3	15 2	6 29
W23	19 28	17 15	4 58	14 29	0 8	21 6	2 5	24 41	2 53	2 46	1 26	7 45	2 0	23 29	0 11	2 43	1 21	2 26	16 12	17 37	17 28	3 59	15 1	6 29
T 24	19 14	12 36	4 43	13 54	0n 6	21 13	2 2	24 42	2 52	2 48	1 26	7 43	1 59	23 29	0 11	2 43	1 21	2 26	16 11	17 33	17 27	3 56	15 0	6 29
F 25	19 0	7 31	4 16	13 21	0 21	21 20	1 59	24 42	2 51	2 49	1 26	7 40	1 59	23 28	0 11	2 43	1 21	2 25	16 11	17 31	17 26	3 53	15 0	6 29
S 26	18 45	2 13	3 38	12 49	0 36	21 27	1 56	24 43	2 51	2 50	1 26	7 38	1 59	23 28	0 11	2 44	1 21	2 25	16 11	17 29	17 25	3 50	14 59	6 29
S 27	18 29	3n 8	2 50	12 19	0 53	21 32	1 53	24 44	2 50	2 52	1 27	7 35	1 59	23 28	0 11	2 44	1 21	2 24	16 10	17 27	17 24	3 47	14 58	6 29
M28	18 13	8 25	1 55	11 51	1 9	21 37	1 50	24 45	2 50	2 53	1 27	7 33	1 59	23 28	0 11	2 45	1 21	2 24	16 10	17 27	17 23	3 43	14 57	6 29
T 29	17 57	13 28	0 55	11 27	1 27	21 42	1 47	24 46	2 49	2 55	1 27	7 30	1 59	23 28	0 11	2 45	1 21	2 24	16 10	17 27	17 23	3 40	14 56	6 30
W30	17 41	18 4	0n 9	11 6	1 44	21 46	1 43	24 47	2 48	2 56	1 27	7 28	1 59	23 28	0 11	2 46	1 22	2 23	16 9	17 27	17 22	3 37	14 55	6 30
T 31	17s25	22n 1	1n15	10s49	2n 1	21s49	1n40	24n48	2n48	2n58	1n28	7s25	1s59	23n28	0n11	2n46	1n22	2s23	16s 9	17n26	17n21	3s34	14s54	6n30

Julian Day Number = 2310196.5, Delta T = 73.44 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'21, Lahiri = 18°27'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

FEBRUARY 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 44 58	12♒22'20	15♊49	26°R23	1♉34	10♊25	25°R51	15♓58	22°R39	26°R10	3♉54	18°R43	18♉22	0♈ 3	24♉26	F 1
S 2	8 48 55	13°23'06	29° 6	26♒ 5	2°45	10°38	25♍47	16° 4	22♊37	26♍ 9	3°55	18♉38	18°19	0° 9	24°31	S 2
S 3	8 52 51	14°23'51	12♋52	25°36	3°56	10°51	25°42	16°11	22°36	26° 8	3°55	18°31	18°16	0°16	24°37	S 3
M 4	8 56 48	15°24'33	27° 5	24°57	5° 8	11° 4	25°38	16°18	22°35	26° 7	3°55	18°20	18°12	0°23	24°42	M 4
T 5	9 0 44	16°25'15	11♌41	24° 9	6°20	11°18	25°33	16°25	22°33	26° 6	3°56	18° 9	18° 9	0°29	24°47	T 5
W 6	9 4 41	17°25'55	26°34	23°13	7°31	11°33	25°29	16°31	22°32	26° 4	3°56	17°57	18° 6	0°36	24°52	W 6
T 7	9 8 38	18°26'33	11♍33	22°12	8°43	11°48	25°24	16°38	22°31	26° 3	3°57	17°46	18° 3	0°43	24°57	T 7
F 8	9 12 34	19°27'10	26°31	21° 6	9°55	12° 3	25°19	16°45	22°30	26° 2	3°57	17°37	18° 0	0°49	25° 2	F 8
S 9	9 16 31	20°27'46	11♎17	19°57	11° 7	12°19	25°14	16°52	22°29	26° 1	3°58	17°31	17°57	0°56	25° 7	S 9
S 10	9 20 27	21°28'21	25°46	18°48	12°19	12°36	25° 8	16°59	22°28	25°59	3°58	17°27	17°53	1° 3	25°11	S 10
M11	9 24 24	22°28'54	9♏56	17°40	13°31	12°53	25° 3	17° 6	22°27	25°58	3°59	17°26	17°50	1°10	25°16	M11
T 12	9 28 20	23°29'26	23°45	16°35	14°43	13°10	24°57	17°13	22°26	25°57	3°59	17°26	17°47	1°16	25°21	T 12
W13	9 32 17	24°29'57	7♐14	15°33	15°55	13°28	24°52	17°20	22°25	25°55	4° 0	17°26	17°44	1°23	25°26	W13
T 14	9 36 13	25°30'27	20°26	14°37	17° 7	13°46	24°46	17°27	22°25	25°54	4° 0	17°24	17°41	1°30	25°31	T 14
F 15	9 40 10	26°30'56	3♑24	13°48	18°19	14° 4	24°40	17°34	22°24	25°53	4° 1	17°19	17°37	1°36	25°36	F 15
S 16	9 44 7	27°31'23	16° 8	13° 5	19°31	14°23	24°33	17°41	22°23	25°51	4° 2	17°12	17°34	1°43	25°40	S 16
S 17	9 48 3	28°31'48	28°42	12°29	20°44	14°42	24°27	17°48	22°22	25°50	4° 2	17° 1	17°31	1°50	25°45	S 17
M18	9 52 0	29°32'12	11♒ 6	12° 1	21°56	15° 2	24°21	17°56	22°22	25°48	4° 3	16°49	17°28	1°56	25°50	M18
T 19	9 55 56	0♓32'35	23°21	11°40	23° 8	15°22	24°14	18° 3	22°21	25°47	4° 4	16°35	17°25	2° 3	25°54	T 19
W20	9 59 53	1°32'55	5♓28	11°26	24°21	15°43	24° 8	18°10	22°21	25°46	4° 4	16°20	17°22	2°10	25°59	W20
T 21	10 3 49	2°33'14	17°27	11°D19	25°33	16° 3	24° 1	18°17	22°20	25°44	4° 5	16° 8	17°18	2°16	26° 3	T 21
F 22	10 7 46	3°33'31	29°20	11°19	26°46	16°25	23°54	18°25	22°20	25°43	4° 6	15°57	17°15	2°23	26° 8	F 22
S 23	10 11 42	4°33'46	11♈ 9	11°26	27°58	16°46	23°47	18°32	22°20	25°41	4° 7	15°49	17°12	2°30	26°12	S 23
S 24	10 15 39	5°33'59	22°56	11°39	29°11	17° 8	23°40	18°39	22°19	25°40	4° 7	15°44	17° 9	2°36	26°17	S 24
M25	10 19 35	6°34'10	4♉46	11°57	0♒23	17°30	23°33	18°46	22°19	25°38	4° 8	15°41	17° 6	2°43	26°21	M25
T 26	10 23 32	7°34'19	16°42	12°21	1°36	17°52	23°26	18°54	22°19	25°36	4° 9	15°D40	17° 3	2°50	26°25	T 26
W27	10 27 29	8°34'26	28°49	12°49	2°48	18°15	23°18	19° 1	22°19	25°35	4°10	15°41	16°59	2°56	26°30	W27
T 28	10 31 25	9♓34'31	11♊13	13♒23	4♒ 1	18♊38	23♍11	19♓ 8	22°D19	25♍33	4♉11	15°R41	16♉56	3♈ 3	26♉34	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s 8	25n 1	2n18	10s36	2n17	21s52	1n37	24n49	2n47	3n 0	1n28	7s22	1s59	23n28	0n11	2n46	1n22	2s22	16s 8	17n26	17n20	3s31	14s53	6n30
S 2	16 50	26 45	3 16	10 27	2 33	21 54	1 33	24 50	2 46	3 2	1 28	7 20	1 59	23 28	0 11	2 47	1 22	2 22	16 8	17 24	17 19	3 27	14 52	6 30
S 3	16 33	26 55	4 5	10 22	2 48	21 56	1 30	24 51	2 45	3 4	1 28	7 17	1 59	23 28	0 11	2 47	1 22	2 21	16 8	17 22	17 18	3 24	14 51	6 30
M 4	16 15	25 22	4 40	10 22	3 2	21 57	1 27	24 52	2 45	3 6	1 29	7 14	1 59	23 28	0 11	2 48	1 22	2 21	16 7	17 20	17 17	3 21	14 50	6 30
T 5	15 57	22 5	4 58	10 26	3 15	21 57	1 23	24 53	2 44	3 8	1 29	7 12	1 59	23 28	0 11	2 48	1 22	2 20	16 7	17 16	17 16	3 18	14 48	6 31
W 6	15 39	17 20	4 57	10 35	3 25	21 57	1 20	24 55	2 43	3 10	1 29	7 9	1 59	23 28	0 11	2 49	1 22	2 20	16 7	17 13	17 16	3 15	14 47	6 31
T 7	15 20	11 29	4 35	10 47	3 33	21 56	1 16	24 56	2 43	3 12	1 29	7 6	1 59	23 27	0 11	2 49	1 22	2 20	16 6	17 10	17 15	3 11	14 46	6 31
F 8	15 1	4 58	3 54	11 2	3 39	21 54	1 13	24 58	2 42	3 14	1 30	7 4	1 58	23 27	0 11	2 50	1 22	2 19	16 6	17 7	17 14	3 8	14 45	6 31
S 9	14 42	1s44	2 58	11 20	3 43	21 52	1 9	24 59	2 41	3 16	1 30	7 1	1 58	23 27	0 11	2 50	1 22	2 19	16 6	17 6	17 13	3 5	14 44	6 31
S 10	14 23	8 15	1 52	11 40	3 44	21 50	1 6	25 0	2 40	3 19	1 30	6 58	1 58	23 27	0 11	2 51	1 22	2 18	16 5	17 5	17 12	3 2	14 43	6 32
M11	14 3	14 12	0 40	12 2	3 43	21 46	1 2	25 2	2 40	3 21	1 30	6 55	1 58	23 27	0 11	2 52	1 22	2 18	16 5	17 4	17 11	2 59	14 42	6 32
T 12	13 43	19 17	0s33	12 24	3 40	21 42	0 59	25 3	2 39	3 23	1 30	6 53	1 58	23 27	0 11	2 52	1 22	2 17	16 5	17 4	17 10	2 55	14 41	6 32
W13	13 23	23 15	1 43	12 47	3 35	21 37	0 55	25 5	2 38	3 26	1 31	6 50	1 58	23 27	0 11	2 53	1 22	2 17	16 4	17 4	17 9	2 52	14 40	6 32
T 14	13 3	25 53	2 45	13 10	3 28	21 32	0 52	25 6	2 37	3 28	1 31	6 47	1 58	23 27	0 11	2 53	1 22	2 16	16 4	17 4	17 8	2 49	14 39	6 33
F 15	12 42	27 4	3 37	13 32	3 19	21 26	0 48	25 8	2 37	3 31	1 31	6 44	1 58	23 27	0 11	2 54	1 22	2 16	16 4	17 2	17 8	2 46	14 38	6 33
S 16	12 22	26 47	4 18	13 54	3 9	21 20	0 45	25 9	2 36	3 34	1 31	6 41	1 58	23 27	0 11	2 54	1 22	2 15	16 3	17 0	17 7	2 42	14 37	6 33
S 17	12 1	25 7	4 45	14 14	2 58	21 12	0 41	25 11	2 35	3 36	1 31	6 38	1 58	23 27	0 11	2 55	1 22	2 15	16 3	16 57	17 6	2 39	14 36	6 33
M18	11 40	22 16	4 59	14 34	2 47	21 5	0 38	25 12	2 34	3 39	1 32	6 36	1 58	23 27	0 11	2 56	1 22	2 14	16 3	16 54	17 5	2 36	14 35	6 34
T 19	11 18	18 27	4 58	14 51	2 34	20 56	0 34	25 14	2 34	3 42	1 32	6 33	1 58	23 27	0 11	2 56	1 22	2 14	16 2	16 50	17 4	2 33	14 34	6 34
W20	10 57	13 56	4 44	15 7	2 21	20 47	0 31	25 15	2 33	3 45	1 32	6 30	1 58	23 27	0 11	2 57	1 22	2 13	16 2	16 46	17 3	2 29	14 32	6 34
T 21	10 35	8 55	4 17	15 22	2 8	20 38	0 27	25 17	2 32	3 47	1 32	6 27	1 58	23 27	0 11	2 57	1 22	2 13	16 2	16 42	17 2	2 26	14 31	6 34
F 22	10 13	3 37	3 40	15 35	1 55	20 27	0 24	25 18	2 31	3 50	1 32	6 24	1 58	23 27	0 11	2 58	1 22	2 12	16 2	16 39	17 1	2 23	14 30	6 35
S 23	9 52	1n47	2 52	15 46	1 41	20 17	0 21	25 20	2 31	3 53	1 32	6 21	1 58	23 27	0 11	2 59	1 22	2 12	16 1	16 36	17 0	2 20	14 29	6 35
S 24	9 29	7 7	1 58	15 55	1 28	20 5	0 17	25 21	2 30	3 56	1 32	6 18	1 58	23 27	0 11	2 59	1 22	2 11	16 1	16 35	16 59	2 17	14 28	6 35
M25	9 7	12 14	0 58	16 3	1 15	19 53	0 14	25 23	2 29	3 59	1 33	6 16	1 58	23 27	0 11	3 0	1 22	2 10	16 1	16 34	16 59	2 13	14 27	6 36
T 26	8 45	16 57	0n 5	16 9	1 2	19 41	0 10	25 24	2 28	4 2	1 33	6 13	1 58	23 27	0 11	3 1	1 22	2 10	16 0	16 34	16 58	2 10	14 26	6 36
W27	8 22	21 4	1 9	16 13	0 49	19 28	0 7	25 25	2 28	4 5	1 33	6 10	1 58	23 27	0 11	3 1	1 22	2 9	16 0	16 34	16 57	2 7	14 25	6 36
T 28	8s 0	24n21	2n12	16s15	0n37	19s14	0n 4	25n27	2n27	4n 8	1n33	6s 7	1s58	23n27	0n11	3n 2	1n22	2s 9	16s 0	16n34	16n56	2s 4	14s24	6n37

Julian Day Number = 2310227.5, Delta T = 73.35 sec
Ecliptic obliquity = 23°29'28, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'25, Lahiri = 18°27'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

MARCH 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 35 22	10♓34'34	23♊58	14♒ 1	5♒14	19♊ 1	23°R 4	19♓16	22♊19	25°R32	4♉11	15°R40	16♉53	3♈10	26♏38	F 1
S 2	10 39 18	11°34'35	7♋10	14°42	6°26	19°25	22♍56	19°23	22°19	25♍30	4°12	15♉37	16°50	3°17	26°42	S 2
S 3	10 43 15	12°34'33	20°51	15°28	7°39	19°49	22°49	19°31	22°19	25°29	4°13	15°32	16°47	3°23	26°46	S 3
M 4	10 47 11	13°34'29	5♌ 2	16°17	8°52	20°13	22°41	19°38	22°19	25°27	4°14	15°25	16°43	3°30	26°51	M 4
T 5	10 51 8	14°34'23	19°41	17° 9	10° 4	20°38	22°34	19°45	22°19	25°25	4°15	15°16	16°40	3°37	26°55	T 5
W 6	10 55 4	15°34'15	4♍42	18° 5	11°17	21° 2	22°26	19°53	22°20	25°24	4°16	15° 6	16°37	3°43	26°59	W 6
T 7	10 59 1	16°34'05	19°55	19° 3	12°30	21°27	22°18	20° 0	22°20	25°22	4°17	14°57	16°34	3°50	27° 2	T 7
F 8	11 2 58	17°33'53	5♎10	20° 4	13°43	21°52	22°10	20° 8	22°20	25°20	4°18	14°50	16°31	3°57	27° 6	F 8
S 9	11 6 54	18°33'39	20°16	21° 7	14°55	22°18	22° 3	20°15	22°21	25°19	4°19	14°46	16°28	4° 3	27°10	S 9
S 10	11 10 51	19°33'23	5♏ 5	22°13	16° 8	22°43	21°55	20°23	22°21	25°17	4°20	14°43	16°24	4°10	27°14	S 10
M11	11 14 47	20°33'05	19°32	23°22	17°21	23° 9	21°47	20°30	22°22	25°15	4°21	14°D43	16°21	4°17	27°18	M11
T 12	11 18 44	21°32'46	3♐32	24°32	18°34	23°35	21°39	20°37	22°22	25°14	4°22	14°44	16°18	4°23	27°21	T 12
W13	11 22 40	22°32'25	17° 8	25°44	19°47	24° 1	21°32	20°45	22°23	25°12	4°23	14°R45	16°15	4°30	27°25	W13
T 14	11 26 37	23°32'03	0♑21	26°59	21° 0	24°28	21°24	20°52	22°24	25°10	4°24	14°45	16°12	4°37	27°28	T 14
F 15	11 30 33	24°31'38	13°13	28°15	22°13	24°55	21°16	21° 0	22°25	25° 9	4°25	14°43	16° 9	4°43	27°32	F 15
S 16	11 34 30	25°31'12	25°49	29°33	23°26	25°21	21° 8	21° 7	22°25	25° 7	4°26	14°39	16° 5	4°50	27°35	S 16
S 17	11 38 27	26°30'44	8♒11	0♓53	24°39	25°49	21° 1	21°15	22°26	25° 6	4°27	14°33	16° 2	4°57	27°39	S 17
M18	11 42 23	27°30'14	20°23	2°15	25°52	26°16	20°53	21°22	22°27	25° 4	4°29	14°25	15°59	5° 3	27°42	M18
T 19	11 46 20	28°29'43	2♓26	3°38	27° 5	26°43	20°45	21°29	22°28	25° 2	4°30	14°16	15°56	5°10	27°45	T 19
W20	11 50 16	29°29'09	14°23	5° 3	28°18	27°11	20°38	21°37	22°29	25° 1	4°31	14° 7	15°53	5°17	27°49	W20
T 21	11 54 13	0♈28'33	26°15	6°29	29°31	27°39	20°30	21°44	22°30	24°59	4°32	13°59	15°49	5°23	27°52	T 21
F 22	11 58 9	1°27'55	8♈ 5	7°57	0♓44	28° 7	20°22	21°52	22°31	24°57	4°33	13°52	15°46	5°30	27°55	F 22
S 23	12 2 6	2°27'15	19°53	9°26	1°57	28°35	20°15	21°59	22°32	24°56	4°34	13°47	15°43	5°37	27°58	S 23
S 24	12 6 2	3°26'33	1♉43	10°57	3°10	29° 3	20° 7	22° 6	22°34	24°54	4°35	13°44	15°40	5°43	28° 1	S 24
M25	12 9 59	4°25'49	13°36	12°29	4°23	29°32	20° 0	22°14	22°35	24°52	4°37	13°D43	15°37	5°50	28° 4	M25
T 26	12 13 56	5°25'02	25°36	14° 3	5°36	0♋ 1	19°53	22°21	22°36	24°51	4°38	13°44	15°34	5°57	28° 7	T 26
W27	12 17 52	6°24'14	7♊46	15°38	6°49	0°30	19°45	22°28	22°38	24°49	4°39	13°46	15°30	6° 4	28° 9	W27
T 28	12 21 49	7°23'23	20°11	17°15	8° 2	0°59	19°38	22°36	22°39	24°47	4°40	13°47	15°27	6°10	28°12	T 28
F 29	12 25 45	8°22'30	2♋54	18°53	9°16	1°28	19°31	22°43	22°40	24°46	4°42	13°R48	15°24	6°17	28°15	F 29
S 30	12 29 42	9°21'34	16° 1	20°32	10°29	1°57	19°24	22°50	22°42	24°44	4°43	13°48	15°21	6°24	28°17	S 30
S 31	12 33 38	10♈20'36	29♋34	22♓13	11♓42	2♋27	19♍17	22♓57	22♊44	24♍43	4♉44	13♉47	15♉18	6♈30	28♏20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s37	26n30	3n 9	16s16	0n25	19s 0	0n 0	25n28	2n26	4n11	1n33	6s 4	1s58	23n27	0n11	3n 3	1n23	2s 8	15s59	16n34	16n55	2s 0	14s23	6n37
S 2	7 14	27 16	3 59	16 15	0 13	18 45	0s 3	25 29	2 25	4 14	1 33	6 1	1 58	23 27	0 11	3 3	1 23	2 8	15 59	16 33	16 54	1 57	14 21	6 37
S 3	6 51	26 26	4 37	16 13	0 2	18 30	0 6	25 30	2 25	4 17	1 33	5 58	1 58	23 27	0 11	3 4	1 23	2 7	15 59	16 32	16 53	1 54	14 20	6 38
M 4	6 28	23 53	4 59	16 8	0s 9	18 14	0 9	25 31	2 24	4 20	1 33	5 55	1 58	23 27	0 11	3 5	1 23	2 7	15 59	16 29	16 52	1 51	14 19	6 38
T 5	6 5	19 44	5 3	16 3	0 20	17 58	0 12	25 32	2 23	4 23	1 34	5 52	1 58	23 27	0 11	3 5	1 23	2 6	15 58	16 27	16 51	1 47	14 18	6 38
W 6	5 42	14 15	4 47	15 55	0 30	17 41	0 15	25 33	2 22	4 27	1 34	5 49	1 58	23 27	0 11	3 6	1 23	2 6	15 58	16 24	16 50	1 44	14 17	6 39
T 7	5 19	7 50	4 10	15 47	0 40	17 23	0 19	25 34	2 22	4 30	1 34	5 47	1 58	23 27	0 11	3 7	1 23	2 5	15 58	16 21	16 50	1 41	14 16	6 39
F 8	4 55	0 56	3 15	15 36	0 49	17 5	0 22	25 35	2 21	4 33	1 34	5 44	1 58	23 27	0 11	3 7	1 23	2 4	15 58	16 19	16 49	1 38	14 15	6 39
S 9	4 32	5s59	2 7	15 24	0 58	16 47	0 25	25 36	2 20	4 36	1 34	5 41	1 58	23 27	0 11	3 8	1 23	2 4	15 57	16 18	16 48	1 34	14 14	6 40
S 10	4 9	12 26	0 51	15 11	1 7	16 28	0 27	25 37	2 19	4 39	1 34	5 38	1 58	23 27	0 11	3 9	1 23	2 3	15 57	16 17	16 47	1 31	14 13	6 40
M11	3 45	18 4	0s26	14 56	1 15	16 9	0 30	25 37	2 19	4 42	1 34	5 35	1 58	23 27	0 11	3 9	1 23	2 3	15 57	16 17	16 46	1 28	14 12	6 41
T 12	3 22	22 32	1 39	14 40	1 22	15 49	0 33	25 38	2 18	4 45	1 34	5 32	1 58	23 27	0 11	3 10	1 23	2 2	15 57	16 18	16 45	1 25	14 11	6 41
W13	2 58	25 36	2 45	14 22	1 30	15 29	0 36	25 39	2 17	4 48	1 34	5 29	1 58	23 27	0 11	3 11	1 23	2 2	15 56	16 18	16 44	1 21	14 10	6 41
T 14	2 34	27 10	3 40	14 3	1 36	15 8	0 39	25 39	2 17	4 51	1 34	5 26	1 58	23 27	0 11	3 11	1 23	2 1	15 56	16 18	16 43	1 18	14 8	6 42
F 15	2 11	27 11	4 22	13 43	1 43	14 47	0 41	25 39	2 16	4 55	1 34	5 23	1 58	23 27	0 11	3 12	1 23	2 1	15 56	16 17	16 42	1 15	14 7	6 42
S 16	1 47	25 47	4 51	13 21	1 49	14 26	0 44	25 40	2 15	4 58	1 34	5 20	1 58	23 27	0 11	3 13	1 23	2 0	15 56	16 16	16 41	1 12	14 6	6 43
S 17	1 23	23 10	5 5	12 58	1 54	14 4	0 47	25 40	2 14	5 1	1 34	5 18	1 59	23 27	0 11	3 13	1 23	1 59	15 55	16 14	16 40	1 8	14 5	6 43
M18	1 0	19 33	5 6	12 33	1 59	13 42	0 49	25 40	2 14	5 4	1 34	5 15	1 59	23 27	0 11	3 14	1 23	1 59	15 55	16 12	16 39	1 5	14 4	6 43
T 19	0 36	15 10	4 52	12 7	2 4	13 19	0 52	25 40	2 13	5 7	1 34	5 12	1 59	23 27	0 11	3 15	1 23	1 58	15 55	16 9	16 39	1 2	14 3	6 44
W20	0 12	10 15	4 26	11 40	2 8	12 56	0 54	25 40	2 12	5 10	1 34	5 9	1 59	23 27	0 11	3 15	1 23	1 58	15 55	16 7	16 38	0 59	14 2	6 44
T 21	0n11	4 59	3 48	11 11	2 11	12 33	0 56	25 40	2 12	5 13	1 34	5 6	1 59	23 27	0 11	3 16	1 23	1 57	15 55	16 4	16 37	0 55	14 1	6 45
F 22	0 35	0n26	3 1	10 41	2 14	12 9	0 59	25 40	2 11	5 16	1 34	5 3	1 59	23 28	0 11	3 17	1 23	1 57	15 54	16 2	16 36	0 52	14 0	6 45
S 23	0 59	5 51	2 6	10 10	2 17	11 45	1 1	25 39	2 10	5 19	1 34	5 0	1 59	23 28	0 11	3 17	1 23	1 56	15 54	16 1	16 35	0 49	13 59	6 46
S 24	1 22	11 5	1 5	9 37	2 19	11 21	1 3	25 39	2 10	5 22	1 34	4 58	1 59	23 28	0 11	3 18	1 23	1 56	15 54	16 0	16 34	0 45	13 58	6 46
M25	1 46	15 57	0 1	9 4	2 21	10 56	1 5	25 38	2 9	5 24	1 34	4 55	1 59	23 28	0 11	3 18	1 23	1 55	15 54	16 0	16 33	0 42	13 57	6 47
T 26	2 9	20 14	1n 4	8 29	2 22	10 31	1 7	25 38	2 8	5 27	1 34	4 52	1 59	23 28	0 11	3 19	1 23	1 54	15 54	16 0	16 32	0 39	13 56	6 47
W27	2 33	23 45	2 7	7 52	2 23	10 6	1 9	25 37	2 7	5 30	1 34	4 49	1 59	23 28	0 11	3 20	1 23	1 54	15 53	16 0	16 31	0 36	13 55	6 47
T 28	2 56	26 13	3 6	7 15	2 24	9 40	1 11	25 36	2 7	5 33	1 34	4 46	1 59	23 28	0 11	3 20	1 23	1 53	15 53	16 1	16 30	0 32	13 54	6 48
F 29	3 20	27 24	3 57	6 36	2 23	9 14	1 13	25 35	2 6	5 36	1 34	4 43	1 59	23 28	0 11	3 21	1 23	1 53	15 53	16 1	16 29	0 29	13 53	6 48
S 30	3 43	27 6	4 37	5 57	2 23	8 48	1 15	25 34	2 5	5 38	1 34	4 41	1 59	23 28	0 11	3 22	1 23	1 52	15 53	16 1	16 28	0 26	13 52	6 49
S 31	4n 6	25n13	5n 3	5s16	2s22	8s22	1s16	25n33	2n 5	5n41	1n34	4s38	2s 0	23n28	0n11	3n22	1n23	1s52	15s53	16n 1	16n27	0s23	13s51	6n49

Julian Day Number = 2310255.5, Delta T = 73.27 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'29, Lahiri = 18°27'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

APRIL 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 37 35	11♈19'36	13♌35	23♓56	12♓55	2♋56	19°R11	23♓ 5	22♊45	24°R41	4♉45	13°R44	15♉14	6♈37	28♑22	M 1
T 2	12 41 31	12°18'33	28° 3	25°40	14° 8	3°26	19♍ 4	23°12	22°47	24♍39	4°47	13♉40	15°11	6°44	28°25	T 2
W 3	12 45 28	13°17'28	12♍54	27°25	15°21	3°56	18°57	23°19	22°48	24°38	4°48	13°36	15° 8	6°50	28°27	W 3
T 4	12 49 25	14°16'21	28° 2	29°12	16°34	4°26	18°51	23°26	22°50	24°36	4°49	13°31	15° 5	6°57	28°29	T 4
F 5	12 53 21	15°15'12	13♎18	1♈ 1	17°47	4°56	18°45	23°33	22°52	24°35	4°50	13°28	15° 2	7° 4	28°32	F 5
S 6	12 57 18	16°14'00	28°30	2°50	19° 1	5°26	18°38	23°40	22°54	24°33	4°52	13°26	14°59	7°10	28°34	S 6
S 7	13 1 14	17°12'47	13♏29	4°42	20°14	5°57	18°32	23°47	22°56	24°32	4°53	13°D25	14°55	7°17	28°36	S 7
M 8	13 5 11	18°11'32	28° 9	6°35	21°27	6°27	18°26	23°54	22°58	24°30	4°54	13°26	14°52	7°24	28°38	M 8
T 9	13 9 7	19°10'15	12♐23	8°29	22°40	6°58	18°20	24° 1	23° 0	24°29	4°56	13°27	14°49	7°30	28°40	T 9
W10	13 13 4	20° 8'57	26°10	10°25	23°53	7°28	18°15	24° 8	23° 2	24°27	4°57	13°29	14°46	7°37	28°41	W10
T 11	13 17 0	21° 7'36	9♑31	12°23	25° 7	7°59	18° 9	24°15	23° 4	24°26	4°58	13°30	14°43	7°44	28°43	T 11
F 12	13 20 57	22° 6'15	22°27	14°22	26°20	8°30	18° 4	24°22	23° 6	24°25	5° 0	13°R30	14°40	7°50	28°45	F 12
S 13	13 24 54	23° 4'51	5♒ 3	16°22	27°33	9° 1	17°58	24°29	23° 8	24°23	5° 1	13°30	14°36	7°57	28°47	S 13
S 14	13 28 50	24° 3'26	17°22	18°24	28°46	9°32	17°53	24°36	23°10	24°22	5° 2	13°28	14°33	8° 4	28°48	S 14
M15	13 32 47	25° 1'58	29°28	20°27	29°59	10° 4	17°48	24°43	23°12	24°20	5° 4	13°26	14°30	8°10	28°50	M15
T 16	13 36 43	26° 0'30	11♓25	22°31	1♈13	10°35	17°43	24°49	23°15	24°19	5° 5	13°24	14°27	8°17	28°51	T 16
W17	13 40 40	26°58'59	23°17	24°37	2°26	11° 7	17°38	24°56	23°17	24°18	5° 6	13°21	14°24	8°24	28°52	W17
T 18	13 44 36	27°57'27	5♈ 5	26°44	3°39	11°38	17°34	25° 3	23°19	24°16	5° 8	13°18	14°20	8°30	28°54	T 18
F 19	13 48 33	28°55'53	16°54	28°51	4°52	12°10	17°29	25° 9	23°22	24°15	5° 9	13°17	14°17	8°37	28°55	F 19
S 20	13 52 29	29°54'17	28°45	0♉59	6° 6	12°42	17°25	25°16	23°24	24°14	5°10	13°15	14°14	8°44	28°56	S 20
S 21	13 56 26	0♉52'39	10♉40	3° 8	7°19	13°14	17°21	25°23	23°27	24°12	5°12	13°D15	14°11	8°50	28°57	S 21
M22	14 0 22	1°50'59	22°41	5°17	8°32	13°46	17°17	25°29	23°29	24°11	5°13	13°15	14° 8	8°57	28°58	M22
T 23	14 4 19	2°49'18	4♊51	7°26	9°45	14°18	17°13	25°35	23°32	24°10	5°15	13°16	14° 5	9° 4	28°59	T 23
W24	14 8 16	3°47'35	17°12	9°34	10°58	14°50	17°10	25°42	23°34	24° 9	5°16	13°17	14° 1	9°10	29° 0	W24
T 25	14 12 12	4°45'49	29°46	11°42	12°12	15°22	17° 7	25°48	23°37	24° 8	5°17	13°17	13°58	9°17	29° 1	T 25
F 26	14 16 9	5°44'02	12♋36	13°49	13°25	15°55	17° 3	25°55	23°39	24° 6	5°19	13°18	13°55	9°24	29° 1	F 26
S 27	14 20 5	6°42'13	25°44	15°55	14°38	16°27	17° 0	26° 1	23°42	24° 5	5°20	13°19	13°52	9°30	29° 2	S 27
S 28	14 24 2	7°40'21	9♌13	18° 0	15°51	17° 0	16°57	26° 7	23°45	24° 4	5°21	13°R19	13°49	9°37	29° 2	S 28
M29	14 27 58	8°38'28	23° 5	20° 3	17° 5	17°32	16°55	26°13	23°48	24° 3	5°23	13°19	13°46	9°44	29° 3	M29
T 30	14 31 55	9♉36'33	7♍18	22♉ 3	18♈18	18♋ 5	16♍52	26♓19	23♊50	24♍ 2	5♉24	13♉18	13♉42	9♈50	29♑ 3	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n29	21n46	5n13	4s33	2s20	7s55	1s18	25n32	2n 4	5n43	1n33	4s35	2s 0	23n28	0n11	3n23	1n23	1s51	15s53	16n 0	16n27	0s19	13s50	6n50
T 2	4 52	16 54	5 3	3 50	2 18	7 29	1 20	25 30	2 3	5 46	1 33	4 32	2 0	23 28	0 11	3 24	1 23	1 51	15 52	15 59	16 26	0 16	13 49	6 50
W 3	5 15	10 56	4 33	3 6	2 15	7 2	1 21	25 29	2 3	5 49	1 33	4 30	2 0	23 28	0 11	3 24	1 23	1 50	15 52	15 57	16 25	0 13	13 48	6 51
T 4	5 38	4 12	3 43	2 20	2 12	6 35	1 22	25 27	2 2	5 51	1 33	4 27	2 0	23 29	0 11	3 25	1 23	1 50	15 52	15 56	16 24	0 10	13 47	6 51
F 5	6 1	2s50	2 38	1 34	2 9	6 7	1 24	25 25	2 1	5 53	1 33	4 24	2 0	23 29	0 11	3 25	1 23	1 49	15 52	15 55	16 23	0 6	13 47	6 52
S 6	6 24	9 42	1 21	0 46	2 4	5 40	1 25	25 23	2 1	5 56	1 33	4 21	2 0	23 29	0 11	3 26	1 23	1 49	15 52	15 54	16 22	0 3	13 46	6 52
S 7	6 46	15 56	0s 0	0n 2	2 0	5 12	1 26	25 21	2 0	5 58	1 33	4 19	2 0	23 29	0 11	3 27	1 23	1 48	15 52	15 54	16 21	0n 0	13 45	6 53
M 8	7 9	21 5	1 20	0 52	1 55	4 44	1 27	25 19	1 59	6 0	1 33	4 16	2 0	23 29	0 11	3 27	1 23	1 47	15 52	15 54	16 20	0 4	13 44	6 53
T 9	7 31	24 51	2 33	1 42	1 49	4 16	1 28	25 17	1 59	6 2	1 33	4 13	2 0	23 29	0 11	3 28	1 23	1 47	15 52	15 55	16 19	0 7	13 43	6 54
W10	7 54	27 0	3 34	2 33	1 43	3 48	1 29	25 15	1 58	6 5	1 32	4 11	2 1	23 29	0 11	3 28	1 23	1 46	15 52	15 55	16 18	0 10	13 42	6 54
T 11	8 16	27 30	4 22	3 26	1 36	3 20	1 30	25 12	1 57	6 7	1 32	4 8	2 1	23 29	0 11	3 29	1 23	1 46	15 51	15 55	16 17	0 13	13 41	6 55
F 12	8 38	26 27	4 54	4 18	1 29	2 51	1 31	25 10	1 57	6 9	1 32	4 5	2 1	23 29	0 11	3 29	1 23	1 45	15 51	15 56	16 16	0 17	13 40	6 55
S 13	8 59	24 5	5 12	5 12	1 21	2 23	1 32	25 7	1 56	6 11	1 32	4 3	2 1	23 30	0 11	3 30	1 23	1 45	15 51	15 55	16 15	0 20	13 40	6 56
S 14	9 21	20 39	5 14	6 6	1 13	1 54	1 33	25 4	1 55	6 12	1 32	4 0	2 1	23 30	0 11	3 30	1 23	1 44	15 51	15 55	16 14	0 23	13 39	6 56
M15	9 43	16 24	5 3	7 0	1 5	1 26	1 33	25 1	1 55	6 14	1 32	3 58	2 1	23 30	0 11	3 31	1 23	1 44	15 51	15 54	16 13	0 27	13 38	6 57
T 16	10 4	11 35	4 39	7 55	0 56	0 57	1 34	24 58	1 54	6 16	1 31	3 55	2 1	23 30	0 11	3 32	1 23	1 43	15 51	15 54	16 12	0 30	13 37	6 57
W17	10 25	6 23	4 2	8 50	0 46	0 28	1 34	24 55	1 54	6 18	1 31	3 52	2 1	23 30	0 11	3 32	1 23	1 43	15 51	15 53	16 12	0 33	13 36	6 58
T 18	10 46	0 58	3 16	9 45	0 37	0n 0	1 35	24 51	1 53	6 19	1 31	3 50	2 2	23 30	0 11	3 33	1 23	1 42	15 51	15 52	16 11	0 36	13 36	6 58
F 19	11 7	4n29	2 21	10 40	0 27	0 29	1 35	24 48	1 52	6 21	1 31	3 47	2 2	23 30	0 11	3 33	1 23	1 42	15 51	15 51	16 10	0 40	13 35	6 59
S 20	11 28	9 49	1 19	11 35	0 16	0 58	1 35	24 44	1 52	6 22	1 31	3 45	2 2	23 30	0 11	3 34	1 23	1 41	15 51	15 51	16 9	0 43	13 34	7 0
S 21	11 48	14 50	0 14	12 29	0 6	1 27	1 36	24 40	1 51	6 24	1 31	3 42	2 2	23 30	0 11	3 34	1 22	1 41	15 51	15 51	16 8	0 46	13 33	7 0
M22	12 9	19 19	0n52	13 23	0n 5	1 56	1 36	24 37	1 50	6 25	1 30	3 40	2 2	23 31	0 11	3 35	1 22	1 41	15 51	15 51	16 7	0 50	13 33	7 1
T 23	12 29	23 4	1 57	14 16	0 15	2 24	1 36	24 33	1 50	6 26	1 30	3 38	2 2	23 31	0 11	3 35	1 22	1 40	15 51	15 51	16 6	0 53	13 32	7 1
W24	12 49	25 49	2 57	15 7	0 26	2 53	1 36	24 28	1 49	6 28	1 30	3 35	2 2	23 31	0 11	3 35	1 22	1 40	15 51	15 51	16 5	0 56	13 31	7 2
T 25	13 8	27 20	3 50	15 58	0 37	3 22	1 36	24 24	1 49	6 29	1 30	3 33	2 3	23 31	0 11	3 36	1 22	1 39	15 51	15 52	16 4	0 59	13 31	7 2
F 26	13 28	27 25	4 33	16 46	0 47	3 51	1 35	24 20	1 48	6 30	1 30	3 30	2 3	23 31	0 11	3 36	1 22	1 39	15 51	15 52	16 3	1 3	13 30	7 3
S 27	13 47	26 0	5 3	17 34	0 58	4 19	1 35	24 15	1 47	6 31	1 29	3 28	2 3	23 31	0 11	3 37	1 22	1 38	15 51	15 52	16 2	1 6	13 29	7 3
S 28	14 6	23 4	5 17	18 19	1 8	4 48	1 35	24 10	1 47	6 32	1 29	3 26	2 3	23 31	0 11	3 37	1 22	1 38	15 51	15 52	16 1	1 9	13 29	7 4
M29	14 25	18 46	5 13	19 2	1 17	5 16	1 34	24 6	1 46	6 33	1 29	3 23	2 3	23 31	0 11	3 38	1 22	1 37	15 50	15 52	16 0	1 13	13 28	7 4
T 30	14n43	13n20	4n50	19n43	1n26	5n44	1s34	24n 1	1n45	6n34	1n29	3s21	2s 3	23n32	0n11	3n38	1n22	1s37	15s50	15n52	15n59	1n16	13s28	7n 5

Julian Day Number = 2310286.5, Delta T = 73.19 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'33, Lahiri = 18°27'33Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1613
geocentric

MAY 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 35 52	10♉34'35	21♍52	24♉ 2	19♈31	18♋38	16°R50	26♓25	23♊53	24°R 1	5♉25	13°R18	13♉39	9♈57	29♑ 4	W 1
T 2	14 39 48	11°32'36	6♎42	25°58	20°44	19°10	16♍48	26°31	23°56	24♍ 0	5°27	13♉18	13°36	10° 4	29° 4	T 2
F 3	14 43 45	12°30'34	21°41	27°51	21°58	19°43	16°46	26°37	23°59	23°59	5°28	13°18	13°33	10°10	29° 4	F 3
S 4	14 47 41	13°28'31	6♏42	29°42	23°11	20°16	16°44	26°43	24° 2	23°58	5°30	13°18	13°30	10°17	29° 4	S 4
S 5	14 51 38	14°26'27	21°36	1♊29	24°24	20°49	16°42	26°49	24° 5	23°57	5°31	13°18	13°26	10°24	29°R 4	S 5
M 6	14 55 34	15°24'21	6♐15	3°13	25°37	21°23	16°41	26°55	24° 8	23°56	5°32	13°17	13°23	10°30	29° 4	M 6
T 7	14 59 31	16°22'14	20°34	4°54	26°51	21°56	16°40	27° 1	24°11	23°55	5°34	13°17	13°20	10°37	29° 4	T 7
W 8	15 3 27	17°20'05	4♑28	6°31	28° 4	22°29	16°38	27° 6	24°14	23°54	5°35	13°17	13°17	10°44	29° 4	W 8
T 9	15 7 24	18°17'55	17°57	8° 6	29°17	23° 2	16°38	27°12	24°17	23°54	5°36	13°16	13°14	10°50	29° 3	T 9
F 10	15 11 21	19°15'44	1♒ 0	9°36	0♉30	23°36	16°37	27°17	24°20	23°53	5°38	13°16	13°11	10°57	29° 3	F 10
S 11	15 15 17	20°13'31	13°40	11° 3	1°44	24° 9	16°36	27°23	24°23	23°52	5°39	13°16	13° 7	11° 4	29° 3	S 11
S 12	15 19 14	21°11'18	26° 1	12°27	2°57	24°43	16°36	27°28	24°26	23°51	5°40	13°D16	13° 4	11°10	29° 2	S 12
M13	15 23 10	22° 9'03	8♓ 7	13°46	4°10	25°17	16°D36	27°34	24°29	23°51	5°42	13°16	13° 1	11°17	29° 2	M13
T 14	15 27 7	23° 6'47	20° 2	15° 2	5°24	25°50	16°36	27°39	24°32	23°50	5°43	13°17	12°58	11°24	29° 1	T 14
W15	15 31 3	24° 4'30	1♈52	16°15	6°37	26°24	16°36	27°44	24°35	23°49	5°44	13°18	12°55	11°30	29° 0	W15
T 16	15 35 0	25° 2'11	13°40	17°23	7°50	26°58	16°36	27°49	24°39	23°49	5°46	13°19	12°52	11°37	28°59	T 16
F 17	15 38 56	25°59'52	25°31	18°28	9° 4	27°32	16°37	27°54	24°42	23°48	5°47	13°20	12°48	11°44	28°59	F 17
S 18	15 42 53	26°57'31	7♉26	19°29	10°17	28° 6	16°38	27°59	24°45	23°48	5°48	13°R20	12°45	11°50	28°58	S 18
S 19	15 46 49	27°55'10	19°30	20°25	11°30	28°40	16°39	28° 4	24°48	23°47	5°49	13°20	12°42	11°57	28°57	S 19
M20	15 50 46	28°52'47	1♊43	21°18	12°43	29°14	16°40	28° 9	24°52	23°46	5°51	13°20	12°39	12° 4	28°56	M20
T 21	15 54 43	29°50'23	14° 8	22° 6	13°57	29°48	16°41	28°14	24°55	23°46	5°52	13°18	12°36	12°10	28°54	T 21
W22	15 58 39	0♊47'58	26°46	22°50	15°10	0♌22	16°42	28°19	24°58	23°46	5°53	13°16	12°32	12°17	28°53	W22
T 23	16 2 36	1°45'31	9♋37	23°30	16°23	0°56	16°44	28°23	25° 2	23°45	5°55	13°13	12°29	12°24	28°52	T 23
F 24	16 6 32	2°43'03	22°43	24° 6	17°37	1°31	16°46	28°28	25° 5	23°45	5°56	13°10	12°26	12°30	28°51	F 24
S 25	16 10 29	3°40'34	6♌ 3	24°37	18°50	2° 5	16°48	28°32	25° 9	23°44	5°57	13° 8	12°23	12°37	28°49	S 25
S 26	16 14 25	4°38'04	19°38	25° 4	20° 3	2°40	16°50	28°37	25°12	23°44	5°58	13° 7	12°20	12°44	28°48	S 26
M27	16 18 22	5°35'32	3♍28	25°26	21°17	3°14	16°52	28°41	25°15	23°44	5°59	13°D 6	12°17	12°50	28°46	M27
T 28	16 22 19	6°32'59	17°32	25°43	22°30	3°49	16°55	28°45	25°19	23°44	6° 1	13° 6	12°13	12°57	28°45	T 28
W29	16 26 15	7°30'24	1♎49	25°56	23°43	4°23	16°58	28°50	25°22	23°43	6° 2	13° 7	12°10	13° 4	28°43	W29
T 30	16 30 12	8°27'48	16°17	26° 4	24°57	4°58	17° 0	28°54	25°26	23°43	6° 3	13° 9	12° 7	13°10	28°41	T 30
F 31	16 34 8	9♊25'11	0♏52	26°R 7	26♉10	5♌33	17♍ 3	28♓58	25♊29	23♍43	6♉ 4	13♉10	12♉ 4	13♈17	28♑39	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15n 2	7n 2	4n 8	20n21	1n35	6n13	1s34	23n55	1n45	6n34	1n29	3s19	2s 4	23n32	0n11	3n38	1n22	1s37	15s51	15n52	15n58	1n19	13s27	7n 5
T 2	15 20	0 14	3 10	20 58	1 43	6 41	1 33	23 50	1 44	6 35	1 28	3 17	2 4	23 32	0 11	3 39	1 22	1 36	15 51	15 52	15 57	1 22	13 26	7 6
F 3	15 38	6s39	1 57	21 31	1 51	7 9	1 32	23 45	1 44	6 36	1 28	3 14	2 4	23 32	0 11	3 39	1 22	1 36	15 51	15 52	15 56	1 26	13 26	7 6
S 4	15 55	13 12	0 37	22 3	1 58	7 37	1 32	23 39	1 43	6 36	1 28	3 12	2 4	23 32	0 11	3 39	1 22	1 35	15 51	15 52	15 55	1 29	13 25	7 7
S 5	16 12	18 57	0s46	22 31	2 4	8 4	1 31	23 34	1 42	6 36	1 28	3 10	2 4	23 32	0 11	3 40	1 22	1 35	15 51	15 52	15 54	1 32	13 25	7 7
M 6	16 29	23 26	2 4	22 58	2 9	8 32	1 30	23 28	1 42	6 37	1 28	3 8	2 5	23 32	0 11	3 40	1 22	1 35	15 51	15 52	15 54	1 36	13 24	7 8
T 7	16 46	26 21	3 13	23 21	2 14	8 59	1 29	23 22	1 41	6 37	1 27	3 6	2 5	23 33	0 11	3 40	1 22	1 34	15 51	15 52	15 53	1 39	13 24	7 9
W 8	17 3	27 32	4 8	23 42	2 18	9 26	1 28	23 16	1 41	6 37	1 27	3 4	2 5	23 33	0 11	3 41	1 22	1 34	15 51	15 52	15 52	1 42	13 23	7 9
T 9	17 19	27 1	4 47	24 1	2 21	9 53	1 27	23 10	1 40	6 37	1 27	3 2	2 5	23 33	0 11	3 41	1 22	1 33	15 51	15 51	15 51	1 46	13 23	7 10
F 10	17 35	25 1	5 10	24 18	2 23	10 20	1 26	23 3	1 39	6 38	1 27	3 0	2 5	23 33	0 11	3 41	1 22	1 33	15 51	15 51	15 50	1 49	13 22	7 10
S 11	17 50	21 49	5 17	24 32	2 24	10 46	1 25	22 57	1 39	6 38	1 26	2 58	2 6	23 33	0 11	3 42	1 22	1 33	15 51	15 51	15 49	1 52	13 22	7 11
S 12	18 6	17 43	5 10	24 44	2 25	11 13	1 24	22 50	1 38	6 37	1 26	2 56	2 6	23 33	0 11	3 42	1 22	1 32	15 51	15 51	15 48	1 55	13 22	7 11
M13	18 21	13 0	4 48	24 53	2 24	11 39	1 22	22 44	1 38	6 37	1 26	2 54	2 6	23 33	0 11	3 42	1 22	1 32	15 51	15 51	15 47	1 59	13 21	7 12
T 14	18 35	7 51	4 14	25 1	2 23	12 4	1 21	22 37	1 37	6 37	1 26	2 52	2 6	23 34	0 11	3 42	1 22	1 32	15 51	15 51	15 46	2 2	13 21	7 12
W15	18 50	2 28	3 30	25 7	2 21	12 30	1 20	22 30	1 36	6 37	1 26	2 50	2 6	23 34	0 11	3 43	1 22	1 31	15 51	15 52	15 45	2 5	13 20	7 13
T 16	19 4	3n 0	2 37	25 10	2 18	12 55	1 18	22 23	1 36	6 36	1 25	2 48	2 7	23 34	0 11	3 43	1 22	1 31	15 51	15 52	15 44	2 9	13 20	7 13
F 17	19 18	8 23	1 37	25 12	2 14	13 20	1 17	22 15	1 35	6 36	1 25	2 46	2 7	23 34	0 11	3 43	1 22	1 31	15 51	15 52	15 43	2 12	13 20	7 14
S 18	19 31	13 31	0 33	25 13	2 9	13 45	1 15	22 8	1 35	6 36	1 25	2 44	2 7	23 34	0 11	3 43	1 22	1 30	15 51	15 53	15 42	2 15	13 19	7 14
S 19	19 44	18 11	0n34	25 11	2 3	14 9	1 14	22 1	1 34	6 35	1 25	2 43	2 7	23 34	0 11	3 43	1 22	1 30	15 51	15 53	15 41	2 19	13 19	7 15
M20	19 57	22 11	1 40	25 8	1 56	14 33	1 12	21 53	1 34	6 34	1 24	2 41	2 7	23 34	0 11	3 44	1 22	1 30	15 52	15 52	15 40	2 22	13 19	7 15
T 21	20 10	25 14	2 42	25 4	1 49	14 56	1 10	21 45	1 33	6 34	1 24	2 39	2 8	23 34	0 11	3 44	1 22	1 29	15 52	15 52	15 39	2 25	13 19	7 16
W22	20 22	27 4	3 37	24 58	1 40	15 19	1 9	21 37	1 32	6 33	1 24	2 38	2 8	23 35	0 11	3 44	1 22	1 29	15 52	15 51	15 38	2 28	13 18	7 16
T 23	20 34	27 31	4 23	24 50	1 31	15 42	1 7	21 29	1 32	6 32	1 24	2 36	2 8	23 35	0 11	3 44	1 22	1 29	15 52	15 50	15 37	2 32	13 18	7 17
F 24	20 45	26 25	4 55	24 42	1 20	16 5	1 5	21 21	1 31	6 31	1 24	2 34	2 8	23 35	0 11	3 44	1 22	1 29	15 52	15 50	15 36	2 35	13 18	7 17
S 25	20 56	23 51	5 13	24 32	1 9	16 27	1 3	21 13	1 31	6 30	1 23	2 33	2 9	23 35	0 11	3 44	1 22	1 28	15 52	15 49	15 35	2 38	13 18	7 18
S 26	21 7	19 54	5 13	24 21	0 57	16 48	1 1	21 4	1 30	6 29	1 23	2 31	2 9	23 35	0 11	3 44	1 21	1 28	15 52	15 48	15 34	2 42	13 18	7 18
M27	21 17	14 51	4 55	24 9	0 44	17 10	1 0	20 56	1 29	6 28	1 23	2 30	2 9	23 35	0 11	3 44	1 21	1 28	15 52	15 48	15 33	2 45	13 18	7 18
T 28	21 27	8 56	4 20	23 56	0 31	17 30	0 58	20 47	1 29	6 27	1 23	2 28	2 9	23 35	0 11	3 45	1 21	1 28	15 53	15 48	15 32	2 48	13 17	7 19
W29	21 37	2 28	3 28	23 42	0 17	17 51	0 56	20 38	1 28	6 25	1 22	2 27	2 9	23 36	0 11	3 45	1 21	1 27	15 53	15 49	15 31	2 52	13 17	7 19
T 30	21 46	4s13	2 23	23 28	0 2	18 11	0 54	20 29	1 28	6 24	1 22	2 25	2 10	23 36	0 11	3 45	1 21	1 27	15 53	15 49	15 30	2 55	13 17	7 20
F 31	21n55	10s45	1n 7	23n12	0s14	18n30	0s51	20n20	1n27	6n23	1n22	2s24	2s10	23n36	0n11	3n45	1n21	1s27	15s53	15n49	15n29	2n58	13s17	7n20

Julian Day Number = 2310316.5, Delta T = 73.10 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'37, Lahiri = 18°27'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

JUNE 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 5	10♊22'33	15♏30	26°R 6	27♉24	6♌ 7	17♍ 7	29♓ 2	25♊33	23°R43	6♉ 5	13°R10	12♉ 1	13♈24	28°R38	S 1
S 2	16 42 1	11°19'55	0♐ 5	26♊ 1	28°37	6°42	17°10	29° 6	25°36	23♍43	6° 7	13♉ 9	11°58	13°30	28♑36	S 2
M 3	16 45 58	12°17'15	14°31	25°51	29°50	7°17	17°13	29° 9	25°40	23°43	6° 8	13° 7	11°54	13°37	28°34	M 3
T 4	16 49 54	13°14'34	28°41	25°37	1♊ 4	7°52	17°17	29°13	25°43	23°D43	6° 9	13° 3	11°51	13°44	28°32	T 4
W 5	16 53 51	14°11'53	12♑32	25°20	2°17	8°27	17°21	29°17	25°47	23°43	6°10	12°59	11°48	13°50	28°30	W 5
T 6	16 57 48	15° 9'11	26° 0	24°58	3°30	9° 2	17°25	29°20	25°50	23°43	6°11	12°54	11°45	13°57	28°27	T 6
F 7	17 1 44	16° 6'29	9♒ 5	24°34	4°44	9°37	17°29	29°24	25°54	23°43	6°12	12°50	11°42	14° 4	28°25	F 7
S 8	17 5 41	17° 3'46	21°47	24° 6	5°57	10°12	17°34	29°27	25°57	23°43	6°13	12°46	11°38	14°10	28°23	S 8
S 9	17 9 37	18° 1'03	4♓11	23°36	7°11	10°47	17°38	29°30	26° 1	23°43	6°14	12°43	11°35	14°17	28°21	S 9
M10	17 13 34	18°58'19	16°18	23° 4	8°24	11°23	17°43	29°33	26° 5	23°43	6°15	12°D42	11°32	14°24	28°18	M10
T 11	17 17 30	19°55'35	28°14	22°31	9°38	11°58	17°47	29°36	26° 8	23°43	6°16	12°43	11°29	14°30	28°16	T 11
W12	17 21 27	20°52'51	10♈ 4	21°57	10°51	12°33	17°52	29°39	26°12	23°44	6°17	12°44	11°26	14°37	28°13	W12
T 13	17 25 23	21°50'06	21°53	21°23	12° 5	13° 9	17°57	29°42	26°15	23°44	6°18	12°45	11°23	14°44	28°11	T 13
F 14	17 29 20	22°47'21	3♉46	20°49	13°18	13°44	18° 3	29°45	26°19	23°44	6°19	12°47	11°19	14°50	28° 8	F 14
S 15	17 33 17	23°44'36	15°47	20°16	14°32	14°19	18° 8	29°48	26°23	23°45	6°20	12°R47	11°16	14°57	28° 6	S 15
S 16	17 37 13	24°41'51	27°59	19°45	15°45	14°55	18°14	29°51	26°26	23°45	6°21	12°46	11°13	15° 4	28° 3	S 16
M17	17 41 10	25°39'05	10♊26	19°15	16°59	15°31	18°19	29°53	26°30	23°45	6°22	12°43	11°10	15°10	28° 0	M17
T 18	17 45 6	26°36'20	23° 8	18°48	18°12	16° 6	18°25	29°55	26°33	23°46	6°23	12°38	11° 7	15°17	27°58	T 18
W19	17 49 3	27°33'34	6♋ 6	18°24	19°26	16°42	18°31	29°58	26°37	23°46	6°24	12°31	11° 4	15°24	27°55	W19
T 20	17 52 59	28°30'47	19°21	18° 4	20°39	17°18	18°37	0♈ 0	26°40	23°47	6°25	12°24	11° 0	15°30	27°52	T 20
F 21	17 56 56	29°28'01	2♌49	17°47	21°53	17°53	18°44	0° 2	26°44	23°47	6°26	12°16	10°57	15°37	27°49	F 21
S 22	18 0 53	0♋25'13	16°30	17°34	23° 6	18°29	18°50	0° 4	26°48	23°48	6°27	12° 9	10°54	15°44	27°46	S 22
S 23	18 4 49	1°22'26	0♍20	17°26	24°20	19° 5	18°56	0° 6	26°51	23°48	6°28	12° 4	10°51	15°50	27°43	S 23
M24	18 8 46	2°19'37	14°19	17°D22	25°34	19°41	19° 3	0° 8	26°55	23°49	6°29	12° 0	10°48	15°57	27°40	M24
T 25	18 12 42	3°16'49	28°23	17°23	26°47	20°17	19°10	0°10	26°58	23°50	6°30	11°D59	10°44	16° 4	27°37	T 25
W26	18 16 39	4°14'00	12♎32	17°29	28° 1	20°53	19°17	0°11	27° 2	23°50	6°30	11°59	10°41	16°10	27°34	W26
T 27	18 20 35	5°11'10	26°45	17°39	29°14	21°29	19°24	0°13	27° 6	23°51	6°31	12° 0	10°38	16°17	27°31	T 27
F 28	18 24 32	6° 8'21	10♏58	17°55	0♋28	22° 5	19°31	0°15	27° 9	23°52	6°32	12°R 0	10°35	16°24	27°28	F 28
S 29	18 28 28	7° 5'31	25°11	18°16	1°42	22°41	19°38	0°16	27°13	23°53	6°33	12° 0	10°32	16°30	27°25	S 29
S 30	18 32 25	8♋ 2'41	9♐20	18♊41	2♋55	23♌17	19♍46	0♈17	27♊16	23♍53	6♉33	11♉57	10♉29	16♈37	27♑21	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 3	16s43	0s13	22n56	0s30	18n49	0s49	20n11	1n27	6n21	1n22	2s23	2s10	23n36	0n11	3n45	1n21	1s27	15s53	15n50	15n28	3n 1	13s17	7n21
S 2	22 11	21 42	1 32	22 40	0 46	19 8	0 47	20 2	1 26	6 20	1 21	2 21	2 10	23 36	0 11	3 45	1 21	1 26	15 53	15 49	15 27	3 5	13 17	7 21
M 3	22 19	25 18	2 43	22 22	1 3	19 26	0 45	19 52	1 25	6 18	1 21	2 20	2 11	23 36	0 11	3 45	1 21	1 26	15 54	15 49	15 26	3 8	13 17	7 22
T 4	22 26	27 13	3 44	22 5	1 20	19 43	0 43	19 42	1 25	6 17	1 21	2 19	2 11	23 36	0 11	3 45	1 21	1 26	15 54	15 48	15 25	3 11	13 17	7 22
W 5	22 33	27 22	4 29	21 47	1 37	20 0	0 41	19 33	1 24	6 15	1 21	2 18	2 11	23 36	0 11	3 45	1 21	1 26	15 54	15 46	15 24	3 15	13 17	7 22
T 6	22 40	25 53	4 59	21 29	1 54	20 16	0 38	19 23	1 24	6 13	1 21	2 16	2 11	23 36	0 11	3 45	1 21	1 26	15 54	15 45	15 23	3 18	13 17	7 23
F 7	22 46	23 2	5 11	21 12	2 11	20 32	0 36	19 13	1 23	6 11	1 20	2 15	2 12	23 37	0 11	3 44	1 21	1 26	15 54	15 43	15 23	3 21	13 17	7 23
S 8	22 52	19 8	5 8	20 54	2 28	20 47	0 34	19 3	1 23	6 9	1 20	2 14	2 12	23 37	0 11	3 44	1 21	1 25	15 54	15 42	15 22	3 25	13 17	7 24
S 9	22 57	14 30	4 51	20 37	2 44	21 2	0 32	18 53	1 22	6 7	1 20	2 13	2 12	23 37	0 11	3 44	1 21	1 25	15 55	15 41	15 21	3 28	13 17	7 24
M10	23 2	9 25	4 20	20 20	2 59	21 16	0 29	18 43	1 22	6 5	1 20	2 12	2 12	23 37	0 11	3 44	1 21	1 25	15 55	15 41	15 20	3 31	13 17	7 24
T 11	23 6	4 3	3 39	20 3	3 14	21 30	0 27	18 32	1 21	6 3	1 20	2 11	2 13	23 37	0 11	3 44	1 21	1 25	15 55	15 41	15 19	3 34	13 17	7 25
W12	23 11	1n25	2 49	19 48	3 28	21 43	0 25	18 22	1 20	6 1	1 19	2 10	2 13	23 37	0 11	3 44	1 21	1 25	15 55	15 42	15 18	3 38	13 17	7 25
T 13	23 14	6 50	1 51	19 33	3 40	21 55	0 22	18 11	1 20	5 59	1 19	2 9	2 13	23 37	0 11	3 44	1 21	1 25	15 55	15 42	15 17	3 41	13 18	7 25
F 14	23 18	12 2	0 49	19 19	3 52	22 7	0 20	18 0	1 19	5 57	1 19	2 8	2 13	23 37	0 11	3 44	1 21	1 25	15 56	15 42	15 16	3 44	13 18	7 26
S 15	23 21	16 52	0n16	19 7	4 2	22 18	0 17	17 49	1 19	5 54	1 19	2 7	2 14	23 38	0 11	3 43	1 21	1 25	15 56	15 43	15 15	3 48	13 18	7 26
S 16	23 23	21 5	1 22	18 56	4 11	22 29	0 15	17 38	1 18	5 52	1 18	2 7	2 14	23 38	0 11	3 43	1 21	1 24	15 56	15 42	15 14	3 51	13 18	7 26
M17	23 25	24 26	2 24	18 46	4 18	22 39	0 13	17 27	1 18	5 50	1 18	2 6	2 14	23 38	0 11	3 43	1 21	1 24	15 56	15 41	15 13	3 54	13 18	7 27
T 18	23 27	26 39	3 21	18 38	4 24	22 48	0 10	17 16	1 17	5 47	1 18	2 5	2 15	23 38	0 11	3 43	1 21	1 24	15 57	15 40	15 12	3 58	13 19	7 27
W19	23 28	27 29	4 8	18 31	4 29	22 56	0 8	17 5	1 16	5 45	1 18	2 5	2 15	23 38	0 11	3 43	1 21	1 24	15 57	15 38	15 11	4 1	13 19	7 27
T 20	23 29	26 46	4 43	18 27	4 32	23 4	0 5	16 53	1 16	5 42	1 18	2 4	2 15	23 38	0 11	3 42	1 21	1 24	15 57	15 35	15 10	4 4	13 19	7 28
F 21	23 29	24 29	5 3	18 23	4 33	23 11	0 3	16 42	1 15	5 39	1 17	2 3	2 15	23 38	0 11	3 42	1 21	1 24	15 57	15 33	15 9	4 7	13 19	7 28
S 22	23 29	20 48	5 7	18 22	4 34	23 18	0 1	16 30	1 15	5 37	1 17	2 3	2 16	23 38	0 11	3 42	1 20	1 24	15 57	15 31	15 8	4 11	13 20	7 28
S 23	23 29	15 56	4 52	18 22	4 32	23 24	0n 2	16 18	1 14	5 34	1 17	2 2	2 16	23 38	0 11	3 42	1 20	1 24	15 58	15 29	15 7	4 14	13 20	7 28
M24	23 28	10 11	4 20	18 25	4 30	23 29	0 4	16 7	1 14	5 31	1 17	2 2	2 16	23 38	0 11	3 41	1 20	1 24	15 58	15 28	15 6	4 17	13 20	7 29
T 25	23 27	3 53	3 33	18 28	4 26	23 34	0 7	15 55	1 13	5 28	1 17	2 1	2 16	23 39	0 11	3 41	1 20	1 24	15 58	15 28	15 5	4 21	13 21	7 29
W26	23 25	2s38	2 32	18 34	4 22	23 38	0 9	15 43	1 13	5 25	1 16	2 1	2 17	23 39	0 11	3 41	1 20	1 24	15 58	15 28	15 4	4 24	13 21	7 29
T 27	23 23	9 4	1 21	18 40	4 16	23 41	0 11	15 30	1 12	5 22	1 16	2 0	2 17	23 39	0 11	3 41	1 20	1 24	15 59	15 28	15 3	4 27	13 21	7 29
F 28	23 21	15 4	0 6	18 49	4 9	23 43	0 14	15 18	1 11	5 19	1 16	2 0	2 17	23 39	0 11	3 40	1 20	1 24	15 59	15 28	15 2	4 31	13 22	7 30
S 29	23 18	20 14	1s10	18 58	4 1	23 45	0 16	15 6	1 11	5 16	1 16	2 0	2 18	23 39	0 11	3 40	1 20	1 24	15 59	15 28	15 1	4 34	13 22	7 30
S 30	23n15	24s13	2s21	19n 9	3s52	23n46	0n18	14n53	1n10	5n13	1n16	2s 0	2s18	23n39	0n11	3n40	1n20	1s24	16s 0	15n27	15n 0	4n37	13s22	7n30

Julian Day Number = 2310347.5, Delta T = 73.01 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'41, Lahiri = 18°27'42Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

JULY 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 36 22	8♋59'51	23♐22	19♊12	4♋ 9	23♌54	19♍53	0♈18	27♊20	23♍54	6♉34	11°R52	10♉25	16♈44	27°R18	M 1
T 2	18 40 18	9°57'01	7♑13	19°47	5°23	24°30	20° 1	0°19	27°23	23°55	6°35	11♉44	10°22	16°50	27♑15	T 2
W 3	18 44 15	10°54'11	20°49	20°28	6°36	25° 6	20° 9	0°20	27°27	23°56	6°36	11°35	10°19	16°57	27°12	W 3
T 4	18 48 11	11°51'21	4♒ 8	21°13	7°50	25°43	20°17	0°21	27°30	23°57	6°36	11°25	10°16	17° 4	27° 8	T 4
F 5	18 52 8	12°48'31	17° 7	22° 3	9° 4	26°19	20°25	0°22	27°34	23°58	6°37	11°16	10°13	17°10	27° 5	F 5
S 6	18 56 4	13°45'42	29°46	22°58	10°17	26°55	20°33	0°23	27°37	23°59	6°38	11° 7	10°10	17°17	27° 2	S 6
S 7	19 0 1	14°42'53	12♓ 8	23°58	11°31	27°32	20°41	0°23	27°41	24° 0	6°38	11° 0	10° 6	17°24	26°58	S 7
M 8	19 3 57	15°40'05	24°15	25° 3	12°45	28° 8	20°50	0°24	27°44	24° 1	6°39	10°56	10° 3	17°30	26°55	M 8
T 9	19 7 54	16°37'17	6♈11	26°12	13°59	28°45	20°58	0°24	27°48	24° 2	6°39	10°53	10° 0	17°37	26°51	T 9
W10	19 11 51	17°34'30	18° 1	27°25	15°13	29°22	21° 7	0°24	27°51	24° 3	6°40	10°D53	9°57	17°43	26°48	W10
T 11	19 15 47	18°31'44	29°50	28°43	16°26	29°58	21°16	0°24	27°55	24° 4	6°40	10°53	9°54	17°50	26°45	T 11
F 12	19 19 44	19°28'58	11♉44	0♋ 6	17°40	0♍35	21°24	0°R24	27°58	24° 5	6°41	10°R53	9°50	17°57	26°41	F 12
S 13	19 23 40	20°26'13	23°48	1°32	18°54	1°12	21°33	0°24	28° 1	24° 7	6°42	10°53	9°47	18° 3	26°38	S 13
S 14	19 27 37	21°23'29	6♊ 7	3° 3	20° 8	1°49	21°42	0°24	28° 5	24° 8	6°42	10°50	9°44	18°10	26°34	S 14
M15	19 31 33	22°20'45	18°43	4°38	21°22	2°25	21°52	0°24	28° 8	24° 9	6°42	10°45	9°41	18°17	26°31	M15
T 16	19 35 30	23°18'03	1♋40	6°17	22°36	3° 2	22° 1	0°24	28°12	24°10	6°43	10°37	9°38	18°23	26°27	T 16
W17	19 39 26	24°15'20	14°58	7°59	23°49	3°39	22°10	0°23	28°15	24°12	6°43	10°28	9°35	18°30	26°24	W17
T 18	19 43 23	25°12'39	28°35	9°45	25° 3	4°16	22°20	0°23	28°18	24°13	6°44	10°16	9°31	18°37	26°20	T 18
F 19	19 47 20	26° 9'58	12♌29	11°34	26°17	4°53	22°29	0°22	28°22	24°14	6°44	10° 5	9°28	18°43	26°17	F 19
S 20	19 51 16	27° 7'18	26°36	13°27	27°31	5°30	22°39	0°21	28°25	24°16	6°45	9°55	9°25	18°50	26°13	S 20
S 21	19 55 13	28° 4'38	10♍49	15°22	28°45	6° 7	22°49	0°20	28°28	24°17	6°45	9°46	9°22	18°57	26°10	S 21
M22	19 59 9	29° 1'59	25° 6	17°19	29°59	6°45	22°58	0°19	28°31	24°18	6°45	9°40	9°19	19° 3	26° 6	M22
T 23	20 3 6	29°59'20	9♎22	19°19	1♌13	7°22	23° 8	0°18	28°34	24°20	6°46	9°37	9°16	19°10	26° 3	T 23
W24	20 7 2	0♌56'41	23°33	21°20	2°27	7°59	23°18	0°17	28°38	24°21	6°46	9°36	9°12	19°17	25°59	W24
T 25	20 10 59	1°54'04	7♏40	23°23	3°41	8°36	23°28	0°16	28°41	24°23	6°46	9°36	9° 9	19°23	25°56	T 25
F 26	20 14 55	2°51'26	21°40	25°27	4°55	9°14	23°39	0°15	28°44	24°24	6°46	9°36	9° 6	19°30	25°52	F 26
S 27	20 18 52	3°48'50	5♐34	27°32	6° 9	9°51	23°49	0°13	28°47	24°26	6°47	9°34	9° 3	19°37	25°49	S 27
S 28	20 22 49	4°46'14	19°20	29°37	7°23	10°29	23°59	0°12	28°50	24°27	6°47	9°30	9° 0	19°43	25°46	S 28
M29	20 26 45	5°43'39	2♑57	1♌42	8°37	11° 6	24°10	0°10	28°53	24°29	6°47	9°23	8°56	19°50	25°42	M29
T 30	20 30 42	6°41'04	16°24	3°47	9°51	11°44	24°20	0° 8	28°56	24°31	6°47	9°13	8°53	19°57	25°39	T 30
W31	20 34 38	7♌38'31	29♑39	5♌52	11♌ 5	12♍21	24♍31	0♈ 6	28♊59	24♍32	6♉47	9♉ 2	8♉50	20♈ 3	25♑35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n11	26s42	3s23	19n21	3s43	23n46	0n21	14n41	1n10	5n10	1n15	1s59	2s18	23n39	0n11	3n39	1n20	1s24	16s 0	15n26	14n59	4n40	13s23	7n30
T 2	23 7	27 29	4 11	19 34	3 32	23 46	0 23	14 28	1 9	5 7	1 15	1 59	2 18	23 39	0 11	3 39	1 20	1 24	16 0	15 23	14 58	4 44	13 23	7 30
W 3	23 3	26 34	4 45	19 48	3 22	23 45	0 25	14 16	1 9	5 4	1 15	1 59	2 19	23 39	0 11	3 38	1 20	1 24	16 0	15 21	14 57	4 47	13 24	7 30
T 4	22 58	24 9	5 2	20 2	3 10	23 43	0 27	14 3	1 8	5 0	1 15	1 59	2 19	23 39	0 11	3 38	1 20	1 24	16 1	15 17	14 56	4 50	13 24	7 31
F 5	22 52	20 32	5 3	20 17	2 58	23 41	0 30	13 50	1 7	4 57	1 15	1 59	2 19	23 39	0 11	3 38	1 20	1 24	16 1	15 14	14 55	4 54	13 25	7 31
S 6	22 47	16 4	4 48	20 33	2 46	23 37	0 32	13 37	1 7	4 54	1 15	1 59	2 20	23 39	0 11	3 37	1 20	1 24	16 1	15 12	14 54	4 57	13 25	7 31
S 7	22 41	11 2	4 21	20 48	2 33	23 33	0 34	13 24	1 6	4 50	1 14	1 59	2 20	23 40	0 11	3 37	1 20	1 24	16 1	15 10	14 53	5 0	13 26	7 31
M 8	22 34	5 41	3 42	21 4	2 20	23 29	0 36	13 10	1 6	4 47	1 14	1 59	2 20	23 40	0 11	3 36	1 20	1 24	16 2	15 8	14 52	5 3	13 26	7 31
T 9	22 27	0 12	2 54	21 20	2 7	23 24	0 38	12 57	1 5	4 43	1 14	1 59	2 20	23 40	0 11	3 36	1 20	1 25	16 2	15 8	14 51	5 7	13 27	7 31
W10	22 20	5n15	1 59	21 35	1 53	23 18	0 41	12 44	1 5	4 40	1 14	1 59	2 21	23 40	0 11	3 35	1 20	1 25	16 2	15 7	14 50	5 10	13 27	7 31
T 11	22 12	10 31	0 59	21 50	1 40	23 11	0 43	12 30	1 4	4 36	1 14	1 59	2 21	23 40	0 11	3 35	1 20	1 25	16 3	15 7	14 49	5 13	13 28	7 31
F 12	22 4	15 28	0n 5	22 4	1 26	23 4	0 45	12 17	1 4	4 32	1 14	2 0	2 21	23 40	0 11	3 34	1 20	1 25	16 3	15 8	14 48	5 17	13 28	7 32
S 13	21 56	19 52	1 8	22 17	1 12	22 55	0 47	12 3	1 3	4 29	1 13	2 0	2 21	23 40	0 11	3 34	1 20	1 25	16 3	15 7	14 47	5 20	13 29	7 32
S 14	21 47	23 30	2 10	22 29	0 59	22 47	0 49	11 50	1 2	4 25	1 13	2 0	2 22	23 40	0 11	3 33	1 20	1 25	16 3	15 6	14 46	5 23	13 30	7 32
M15	21 38	26 7	3 7	22 39	0 45	22 37	0 50	11 36	1 2	4 21	1 13	2 1	2 22	23 40	0 11	3 33	1 20	1 25	16 4	15 5	14 45	5 27	13 30	7 32
T 16	21 29	27 24	3 55	22 49	0 32	22 27	0 52	11 22	1 1	4 17	1 13	2 1	2 22	23 40	0 11	3 32	1 20	1 25	16 4	15 3	14 44	5 30	13 31	7 32
W17	21 19	27 10	4 32	22 56	0 19	22 17	0 54	11 8	1 1	4 14	1 13	2 2	2 23	23 40	0 11	3 32	1 20	1 26	16 4	14 59	14 43	5 33	13 31	7 32
T 18	21 8	25 18	4 55	23 1	0 7	22 5	0 56	10 54	1 0	4 10	1 13	2 2	2 23	23 40	0 11	3 31	1 20	1 26	16 5	14 56	14 42	5 36	13 32	7 32
F 19	20 58	21 54	5 1	23 5	0n 6	21 53	0 58	10 40	1 0	4 6	1 12	2 2	2 23	23 40	0 11	3 31	1 20	1 26	16 5	14 52	14 41	5 40	13 33	7 32
S 20	20 47	17 12	4 49	23 6	0 17	21 40	1 0	10 26	0 59	4 2	1 12	2 3	2 23	23 40	0 11	3 30	1 20	1 26	16 5	14 49	14 40	5 43	13 33	7 32
S 21	20 35	11 30	4 19	23 4	0 28	21 27	1 1	10 12	0 59	3 58	1 12	2 4	2 24	23 40	0 11	3 30	1 20	1 26	16 6	14 46	14 39	5 46	13 34	7 32
M22	20 24	5 12	3 32	23 1	0 39	21 13	1 3	9 57	0 58	3 54	1 12	2 4	2 24	23 40	0 11	3 29	1 19	1 26	16 6	14 45	14 38	5 50	13 34	7 32
T 23	20 12	1s23	2 33	22 54	0 49	20 59	1 4	9 43	0 57	3 50	1 12	2 5	2 24	23 40	0 11	3 28	1 19	1 27	16 6	14 43	14 37	5 53	13 35	7 32
W24	19 59	7 52	1 24	22 45	0 58	20 44	1 6	9 28	0 57	3 46	1 12	2 6	2 24	23 41	0 11	3 28	1 19	1 27	16 7	14 43	14 36	5 56	13 36	7 32
T 25	19 47	13 56	0 10	22 33	1 6	20 28	1 7	9 14	0 56	3 42	1 12	2 6	2 25	23 41	0 11	3 27	1 19	1 27	16 7	14 43	14 35	5 59	13 37	7 31
F 26	19 34	19 14	1s 3	22 18	1 14	20 11	1 9	8 59	0 56	3 37	1 12	2 7	2 25	23 41	0 11	3 26	1 19	1 27	16 7	14 43	14 34	6 3	13 37	7 31
S 27	19 20	23 27	2 13	22 1	1 21	19 55	1 10	8 45	0 55	3 33	1 11	2 8	2 25	23 41	0 12	3 26	1 19	1 27	16 7	14 42	14 33	6 6	13 38	7 31
S 28	19 7	26 16	3 13	21 41	1 27	19 37	1 12	8 30	0 55	3 29	1 11	2 9	2 26	23 41	0 12	3 25	1 19	1 28	16 8	14 41	14 32	6 9	13 39	7 31
M29	18 53	27 30	4 2	21 19	1 32	19 19	1 13	8 15	0 54	3 25	1 11	2 10	2 26	23 41	0 12	3 25	1 19	1 28	16 8	14 39	14 31	6 13	13 39	7 31
T 30	18 39	27 4	4 37	20 54	1 36	19 0	1 14	8 0	0 54	3 20	1 11	2 11	2 26	23 41	0 12	3 24	1 19	1 28	16 8	14 36	14 30	6 16	13 40	7 31
W31	18n24	25s 6	4s56	20n27	1n40	18n41	1n15	7n45	0n53	3n16	1n11	2s12	2s26	23n41	0n12	3n23	1n19	1s28	16s 9	14n32	14n29	6n19	13s41	7n31

Julian Day Number = 2310377.5, Delta T = 72.93 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'46, Lahiri = 18°27'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

AUGUST 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 38 35	8♌35'58	12♒40	7♌56	12♌19	12♍59	24♍41	0°R 4	29♊ 2	24♍34	6♉47	8°R49	8♉47	20♈10	25°R32	T 1
F 2	20 42 31	9°33'27	25°25	10° 0	13°34	13°36	24°52	0♈ 2	29° 5	24°36	6°47	8♉36	8°44	20°17	25♋29	F 2
S 3	20 46 28	10°30'57	7♓55	12° 2	14°48	14°14	25° 3	0° 0	29° 8	24°37	6°48	8°25	8°41	20°23	25°25	S 3
S 4	20 50 24	11°28'27	20°11	14° 4	16° 2	14°52	25°14	29♓58	29°11	24°39	6°48	8°16	8°37	20°30	25°22	S 4
M 5	20 54 21	12°26'00	2♈14	16° 4	17°16	15°30	25°25	29°56	29°14	24°41	6°48	8° 9	8°34	20°36	25°19	M 5
T 6	20 58 18	13°23'33	14° 8	18° 3	18°30	16° 7	25°36	29°53	29°17	24°43	6°R48	8° 5	8°31	20°43	25°16	T 6
W 7	21 2 14	14°21'08	25°57	20° 1	19°44	16°45	25°47	29°51	29°19	24°44	6°48	8° 3	8°28	20°50	25°12	W 7
T 8	21 6 11	15°18'44	7♉45	21°58	20°58	17°23	25°58	29°48	29°22	24°46	6°48	8°D 3	8°25	20°56	25° 9	T 8
F 9	21 10 7	16°16'22	19°39	23°53	22°12	18° 1	26° 9	29°46	29°25	24°48	6°48	8°R 3	8°21	21° 3	25° 6	F 9
S 10	21 14 4	17°14'02	1♊43	25°46	23°27	18°39	26°21	29°43	29°28	24°50	6°48	8° 2	8°18	21°10	25° 3	S 10
S 11	21 18 0	18°11'43	14° 3	27°39	24°41	19°17	26°32	29°40	29°30	24°52	6°47	8° 0	8°15	21°16	25° 0	S 11
M12	21 21 57	19° 9'26	26°44	29°30	25°55	19°55	26°44	29°37	29°33	24°53	6°47	7°55	8°12	21°23	24°57	M12
T 13	21 25 53	20° 7'10	9♋48	1♍19	27° 9	20°33	26°55	29°34	29°35	24°55	6°47	7°48	8° 9	21°30	24°54	T 13
W14	21 29 50	21° 4'56	23°17	3° 7	28°23	21°12	27° 7	29°31	29°38	24°57	6°47	7°39	8° 6	21°36	24°51	W14
T 15	21 33 47	22° 2'44	7♌11	4°54	29°38	21°50	27°18	29°28	29°41	24°59	6°47	7°28	8° 2	21°43	24°48	T 15
F 16	21 37 43	23° 0'33	21°27	6°39	0♍52	22°28	27°30	29°25	29°43	25° 1	6°47	7°16	7°59	21°50	24°45	F 16
S 17	21 41 40	23°58'23	5♍57	8°23	2° 6	23° 7	27°42	29°21	29°45	25° 3	6°46	7° 6	7°56	21°56	24°42	S 17
S 18	21 45 36	24°56'15	20°37	10° 5	3°20	23°45	27°54	29°18	29°48	25° 5	6°46	6°58	7°53	22° 3	24°39	S 18
M19	21 49 33	25°54'08	5♎17	11°46	4°35	24°23	28° 5	29°15	29°50	25° 7	6°46	6°52	7°50	22°10	24°37	M19
T 20	21 53 29	26°52'02	19°52	13°26	5°49	25° 2	28°17	29°11	29°53	25° 9	6°46	6°49	7°47	22°16	24°34	T 20
W21	21 57 26	27°49'58	4♏17	15° 4	7° 3	25°40	28°29	29° 8	29°55	25°11	6°45	6°D48	7°43	22°23	24°31	W21
T 22	22 1 22	28°47'55	18°29	16°41	8°18	26°19	28°41	29° 4	29°57	25°13	6°45	6°48	7°40	22°30	24°29	T 22
F 23	22 5 19	29°45'53	2♐28	18°17	9°32	26°58	28°53	29° 0	29°59	25°15	6°45	6°R48	7°37	22°36	24°26	F 23
S 24	22 9 16	0♍43'53	16°12	19°52	10°46	27°36	29° 5	28°56	0♋ 2	25°17	6°44	6°47	7°34	22°43	24°23	S 24
S 25	22 13 12	1°41'54	29°42	21°25	12° 0	28°15	29°18	28°53	0° 4	25°19	6°44	6°44	7°31	22°50	24°21	S 25
M26	22 17 9	2°39'56	13♑ 0	22°57	13°15	28°54	29°30	28°49	0° 6	25°21	6°44	6°38	7°27	22°56	24°19	M26
T 27	22 21 5	3°38'00	26° 6	24°27	14°29	29°32	29°42	28°45	0° 8	25°24	6°43	6°30	7°24	23° 3	24°16	T 27
W28	22 25 2	4°36'05	8♒59	25°57	15°43	0♎11	29°54	28°41	0°10	25°26	6°43	6°21	7°21	23° 9	24°14	W28
T 29	22 28 58	5°34'12	21°40	27°25	16°58	0°50	0♎ 7	28°37	0°12	25°28	6°42	6°10	7°18	23°16	24°12	T 29
F 30	22 32 55	6°32'21	4♓ 9	28°51	18°12	1°29	0°19	28°32	0°14	25°30	6°42	5°59	7°15	23°23	24° 9	F 30
S 31	22 36 51	7♍30'31	16♓27	0♎17	19♍26	2♎ 8	0♎31	28♓28	0♋16	25♍32	6♉41	5♉49	7♉12	23♈29	24♋ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 9	21s50	4s59	19n58	1n42	18n22	1n16	7n30	0n52	3n12	1n11	2s13	2s27	23n41	0n12	3n23	1n19	1s29	16s 9	14n28	14n27	6n22	13s41	7n31
F 2	17 54	17 35	4 48	19 27	1 44	18 1	1 17	7 15	0 52	3 7	1 11	2 14	2 27	23 41	0 12	3 22	1 19	1 29	16 9	14 24	14 26	6 26	13 42	7 31
S 3	17 38	12 40	4 22	18 55	1 46	17 41	1 18	7 0	0 51	3 3	1 10	2 15	2 27	23 41	0 12	3 21	1 19	1 29	16 10	14 20	14 25	6 29	13 43	7 30
S 4	17 23	7 20	3 44	18 20	1 46	17 20	1 19	6 45	0 51	2 58	1 10	2 16	2 27	23 41	0 12	3 20	1 19	1 30	16 10	14 17	14 24	6 32	13 44	7 30
M 5	17 7	1 49	2 57	17 44	1 46	16 58	1 20	6 30	0 50	2 54	1 10	2 17	2 28	23 41	0 12	3 20	1 19	1 30	16 10	14 15	14 23	6 35	13 44	7 30
T 6	16 50	3n42	2 3	17 7	1 45	16 36	1 21	6 15	0 50	2 50	1 10	2 18	2 28	23 41	0 12	3 19	1 19	1 30	16 11	14 14	14 22	6 39	13 45	7 30
W 7	16 34	9 3	1 4	16 29	1 44	16 13	1 22	6 0	0 49	2 45	1 10	2 19	2 28	23 41	0 12	3 18	1 19	1 30	16 11	14 13	14 21	6 42	13 46	7 30
T 8	16 17	14 6	0 2	15 50	1 42	15 50	1 22	5 44	0 49	2 40	1 10	2 21	2 28	23 41	0 12	3 18	1 19	1 31	16 11	14 13	14 20	6 45	13 47	7 29
F 9	16 0	18 40	1n 1	15 9	1 40	15 27	1 23	5 29	0 48	2 36	1 10	2 22	2 28	23 41	0 12	3 17	1 19	1 31	16 12	14 13	14 19	6 49	13 47	7 29
S 10	15 42	22 33	2 2	14 28	1 37	15 3	1 24	5 13	0 47	2 31	1 10	2 23	2 29	23 41	0 12	3 16	1 19	1 31	16 12	14 13	14 18	6 52	13 48	7 29
S 11	15 25	25 29	2 59	13 46	1 33	14 39	1 24	4 58	0 47	2 27	1 10	2 25	2 29	23 41	0 12	3 15	1 19	1 32	16 12	14 12	14 17	6 55	13 49	7 29
M12	15 7	27 15	3 48	13 4	1 29	14 14	1 25	4 43	0 46	2 22	1 10	2 26	2 29	23 41	0 12	3 15	1 19	1 32	16 12	14 11	14 16	6 58	13 50	7 29
T 13	14 49	27 34	4 27	12 21	1 25	13 49	1 25	4 27	0 46	2 17	1 9	2 27	2 29	23 41	0 12	3 14	1 19	1 32	16 13	14 8	14 15	7 2	13 51	7 28
W14	14 30	26 17	4 52	11 38	1 20	13 23	1 25	4 11	0 45	2 13	1 9	2 29	2 30	23 41	0 12	3 13	1 19	1 33	16 13	14 5	14 14	7 5	13 51	7 28
T 15	14 11	23 22	5 2	10 54	1 15	12 58	1 25	3 56	0 45	2 8	1 9	2 30	2 30	23 41	0 12	3 12	1 19	1 33	16 13	14 2	14 13	7 8	13 52	7 28
F 16	13 53	19 0	4 53	10 10	1 10	12 31	1 26	3 40	0 44	2 3	1 9	2 32	2 30	23 41	0 12	3 11	1 19	1 33	16 14	13 58	14 12	7 11	13 53	7 27
S 17	13 34	13 27	4 25	9 26	1 4	12 5	1 26	3 24	0 43	1 58	1 9	2 33	2 30	23 41	0 12	3 11	1 19	1 34	16 14	13 55	14 11	7 15	13 54	7 27
S 18	13 14	7 5	3 39	8 42	0 58	11 38	1 26	3 9	0 43	1 54	1 9	2 35	2 30	23 41	0 12	3 10	1 19	1 34	16 14	13 52	14 10	7 18	13 54	7 27
M19	12 55	0 20	2 39	7 57	0 51	11 11	1 26	2 53	0 42	1 49	1 9	2 36	2 31	23 41	0 12	3 9	1 19	1 34	16 15	13 50	14 9	7 21	13 55	7 27
T 20	12 35	6s25	1 29	7 13	0 45	10 44	1 26	2 37	0 42	1 44	1 9	2 38	2 31	23 41	0 12	3 8	1 19	1 35	16 15	13 49	14 8	7 25	13 56	7 26
W21	12 15	12 46	0 13	6 28	0 38	10 16	1 26	2 21	0 41	1 39	1 9	2 39	2 31	23 41	0 12	3 7	1 19	1 35	16 15	13 49	14 7	7 28	13 57	7 26
T 22	11 55	18 22	1s 2	5 44	0 31	9 48	1 25	2 5	0 41	1 34	1 9	2 41	2 31	23 41	0 12	3 7	1 19	1 36	16 15	13 49	14 6	7 31	13 57	7 26
F 23	11 35	22 51	2 12	5 0	0 24	9 20	1 25	1 49	0 40	1 29	1 9	2 43	2 31	23 41	0 12	3 6	1 19	1 36	16 16	13 49	14 5	7 34	13 58	7 25
S 24	11 14	25 59	3 14	4 16	0 16	8 51	1 25	1 33	0 39	1 25	1 8	2 44	2 32	23 41	0 12	3 5	1 19	1 36	16 16	13 49	14 4	7 38	13 59	7 25
S 25	10 54	27 33	4 3	3 32	0 8	8 22	1 24	1 18	0 39	1 20	1 8	2 46	2 32	23 41	0 12	3 4	1 19	1 37	16 16	13 48	14 3	7 41	14 0	7 25
M26	10 33	27 28	4 39	2 49	0 1	7 53	1 24	1 2	0 38	1 15	1 8	2 48	2 32	23 42	0 12	3 3	1 19	1 37	16 17	13 46	14 2	7 44	14 1	7 24
T 27	10 12	25 52	4 59	2 6	0s 7	7 24	1 23	0 46	0 38	1 10	1 8	2 49	2 32	23 42	0 12	3 2	1 19	1 37	16 17	13 43	14 1	7 47	14 1	7 24
W28	9 51	22 55	5 3	1 23	0 15	6 55	1 23	0 30	0 37	1 5	1 8	2 51	2 32	23 42	0 12	3 2	1 19	1 38	16 17	13 40	14 0	7 51	14 2	7 23
T 29	9 29	18 56	4 53	0 40	0 23	6 25	1 22	0 14	0 37	1 0	1 8	2 53	2 32	23 42	0 12	3 1	1 19	1 38	16 17	13 36	13 59	7 54	14 3	7 23
F 30	9 8	14 10	4 28	0s 2	0 32	5 55	1 21	0s 2	0 36	0 55	1 8	2 55	2 32	23 42	0 12	3 0	1 19	1 39	16 18	13 33	13 58	7 57	14 4	7 23
S 31	8n46	8s55	3s52	0s43	0s40	5n25	1n21	0s19	0n35	0n50	1n 8	2s57	2s33	23n42	0n12	2n59	1n19	1s39	16s18	13n29	13n57	8n 0	14s 4	7n22

Julian Day Number = 2310408.5, Delta T = 72.84 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'50, Lahiri = 18°27'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

SEPTEMBER 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 48	8♍28'43	28♓33	1♎40	20♍41	2♎47	0♎44	28°R24	0♋17	25♍34	6°R41	5°R41	7♉ 8	23♈36	24°R 5	S 1
M 2	22 44 45	9°26'56	10♈30	3° 3	21°55	3°26	0°56	28♓20	0°19	25°36	6♉40	5♉36	7° 5	23°43	24♊ 3	M 2
T 3	22 48 41	10°25'12	22°21	4°24	23° 9	4° 5	1° 9	28°16	0°21	25°38	6°40	5°33	7° 2	23°49	24° 1	T 3
W 4	22 52 38	11°23'30	4♉ 8	5°44	24°24	4°45	1°21	28°11	0°23	25°41	6°39	5°D32	6°59	23°56	23°59	W 4
T 5	22 56 34	12°21'50	15°55	7° 2	25°38	5°24	1°34	28° 7	0°24	25°43	6°39	5°32	6°56	24° 3	23°57	T 5
F 6	23 0 31	13°20'12	27°48	8°19	26°52	6° 3	1°47	28° 2	0°26	25°45	6°38	5°33	6°53	24° 9	23°56	F 6
S 7	23 4 27	14°18'36	9♊50	9°34	28° 7	6°42	1°59	27°58	0°27	25°47	6°37	5°R34	6°49	24°16	23°54	S 7
S 8	23 8 24	15°17'02	22° 9	10°47	29°21	7°22	2°12	27°53	0°29	25°49	6°37	5°34	6°46	24°23	23°52	S 8
M 9	23 12 20	16°15'31	4♋47	11°59	0♎35	8° 1	2°25	27°49	0°30	25°52	6°36	5°32	6°43	24°29	23°51	M 9
T 10	23 16 17	17°14'02	17°51	13° 9	1°50	8°41	2°37	27°44	0°32	25°54	6°36	5°28	6°40	24°36	23°49	T 10
W11	23 20 14	18°12'34	1♌22	14°16	3° 4	9°20	2°50	27°40	0°33	25°56	6°35	5°23	6°37	24°43	23°48	W11
T 12	23 24 10	19°11'09	15°21	15°22	4°18	10° 0	3° 3	27°35	0°34	25°58	6°34	5°16	6°33	24°49	23°46	T 12
F 13	23 28 7	20° 9'46	29°45	16°26	5°33	10°39	3°16	27°31	0°36	26° 0	6°33	5° 9	6°30	24°56	23°45	F 13
S 14	23 32 3	21° 8'25	14♍30	17°27	6°47	11°19	3°28	27°26	0°37	26° 3	6°33	5° 2	6°27	25° 2	23°44	S 14
S 15	23 36 0	22° 7'06	29°28	18°26	8° 1	11°59	3°41	27°21	0°38	26° 5	6°32	4°57	6°24	25° 9	23°42	S 15
M16	23 39 56	23° 5'49	14♎30	19°22	9°16	12°39	3°54	27°17	0°39	26° 7	6°31	4°53	6°21	25°16	23°41	M16
T 17	23 43 53	24° 4'34	29°27	20°15	10°30	13°18	4° 7	27°12	0°40	26° 9	6°30	4°D52	6°18	25°22	23°40	T 17
W18	23 47 49	25° 3'21	14♏12	21° 5	11°44	13°58	4°20	27° 7	0°41	26°12	6°30	4°52	6°14	25°29	23°39	W18
T 19	23 51 46	26° 2'09	28°40	21°52	12°59	14°38	4°33	27° 3	0°42	26°14	6°29	4°53	6°11	25°36	23°38	T 19
F 20	23 55 43	27° 1'00	12♐47	22°35	14°13	15°18	4°46	26°58	0°43	26°16	6°28	4°54	6° 8	25°42	23°38	F 20
S 21	23 59 39	27°59'52	26°33	23°14	15°27	15°58	4°59	26°53	0°44	26°18	6°27	4°R55	6° 5	25°49	23°37	S 21
S 22	0 3 36	28°58'45	9♑59	23°48	16°42	16°38	5°12	26°48	0°45	26°21	6°26	4°54	6° 2	25°56	23°36	S 22
M23	0 7 32	29°57'41	23° 7	24°19	17°56	17°18	5°25	26°44	0°45	26°23	6°25	4°52	5°59	26° 2	23°35	M23
T 24	0 11 29	0♒56'38	5♒58	24°44	19°10	17°59	5°38	26°39	0°46	26°25	6°25	4°49	5°55	26° 9	23°35	T 24
W25	0 15 25	1°55'37	18°34	25° 3	20°25	18°39	5°51	26°34	0°47	26°27	6°24	4°44	5°52	26°16	23°34	W25
T 26	0 19 22	2°54'38	0♓59	25°17	21°39	19°19	6° 4	26°30	0°47	26°29	6°23	4°38	5°49	26°22	23°34	T 26
F 27	0 23 18	3°53'41	13°12	25°24	22°53	19°59	6°17	26°25	0°48	26°32	6°22	4°33	5°46	26°29	23°34	F 27
S 28	0 27 15	4°52'45	25°17	25°R25	24° 8	20°40	6°30	26°21	0°48	26°34	6°21	4°28	5°43	26°36	23°33	S 28
S 29	0 31 12	5°51'52	7♈14	25°18	25°22	21°20	6°43	26°16	0°49	26°36	6°20	4°24	5°39	26°42	23°33	S 29
M30	0 35 8	6♎51'00	19♈ 6	25♎ 4	26♎36	22♎ 1	6♎56	26♓11	0♋49	26♍38	6♉19	4♉21	5♉36	26♈49	23♊33	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n25	3s24	3s 5	1s24	0s48	4n55	1n20	0s35	0n35	0n45	1n 8	2s58	2s33	23n42	0n12	2n58	1n19	1s39	16s18	13n27	13n56	8n 4	14s 5	7n22
M 2	8 3	2n10	2 10	2 5	0 57	4 25	1 19	0 51	0 34	0 40	1 8	3 0	2 33	23 42	0 12	2 57	1 19	1 40	16 19	13 25	13 55	8 7	14 6	7 21
T 3	7 41	7 38	1 10	2 45	1 5	3 55	1 18	1 7	0 34	0 35	1 8	3 2	2 33	23 42	0 12	2 56	1 19	1 40	16 19	13 24	13 53	8 10	14 7	7 21
W 4	7 18	12 48	0 8	3 24	1 13	3 24	1 17	1 23	0 33	0 30	1 8	3 4	2 33	23 42	0 12	2 56	1 19	1 41	16 19	13 24	13 52	8 13	14 7	7 21
T 5	6 56	17 32	0n56	4 3	1 22	2 54	1 16	1 39	0 33	0 25	1 8	3 6	2 33	23 42	0 12	2 55	1 19	1 41	16 19	13 24	13 51	8 17	14 8	7 20
F 6	6 34	21 37	1 57	4 41	1 30	2 23	1 14	1 55	0 32	0 20	1 8	3 8	2 33	23 42	0 12	2 54	1 19	1 42	16 20	13 24	13 50	8 20	14 9	7 20
S 7	6 11	24 51	2 54	5 18	1 39	1 52	1 13	2 11	0 31	0 15	1 8	3 9	2 33	23 42	0 12	2 53	1 19	1 42	16 20	13 24	13 49	8 23	14 10	7 19
S 8	5 49	27 0	3 45	5 55	1 47	1 22	1 12	2 27	0 31	0 9	1 8	3 11	2 34	23 42	0 12	2 52	1 19	1 42	16 20	13 24	13 48	8 26	14 10	7 19
M 9	5 26	27 50	4 26	6 31	1 55	0 51	1 11	2 43	0 30	0 4	1 8	3 13	2 34	23 42	0 12	2 51	1 19	1 43	16 20	13 24	13 47	8 30	14 11	7 18
T 10	5 3	27 9	4 54	7 6	2 3	0 20	1 9	3 0	0 30	0s 1	1 7	3 15	2 34	23 42	0 12	2 50	1 19	1 43	16 21	13 23	13 46	8 33	14 12	7 18
W11	4 40	24 54	5 8	7 39	2 11	0s11	1 8	3 16	0 29	0 6	1 7	3 17	2 34	23 42	0 12	2 49	1 19	1 44	16 21	13 21	13 45	8 36	14 12	7 17
T 12	4 17	21 6	5 4	8 12	2 19	0 42	1 6	3 32	0 29	0 11	1 7	3 19	2 34	23 42	0 12	2 49	1 19	1 44	16 21	13 18	13 44	8 39	14 13	7 17
F 13	3 54	15 58	4 41	8 44	2 27	1 13	1 5	3 48	0 28	0 16	1 7	3 21	2 34	23 42	0 12	2 48	1 19	1 45	16 21	13 16	13 43	8 43	14 14	7 16
S 14	3 31	9 47	3 59	9 15	2 35	1 44	1 3	4 4	0 27	0 21	1 7	3 23	2 34	23 42	0 12	2 47	1 19	1 45	16 22	13 14	13 42	8 46	14 14	7 16
S 15	3 8	2 58	3 0	9 44	2 42	2 15	1 1	4 20	0 27	0 26	1 7	3 25	2 34	23 42	0 12	2 46	1 19	1 45	16 22	13 12	13 41	8 49	14 15	7 16
M16	2 45	4s 4	1 48	10 12	2 49	2 46	0 59	4 36	0 26	0 32	1 7	3 27	2 34	23 42	0 12	2 45	1 19	1 46	16 22	13 11	13 40	8 52	14 16	7 15
T 17	2 21	10 51	0 29	10 39	2 56	3 17	0 58	4 52	0 26	0 37	1 7	3 28	2 34	23 42	0 12	2 44	1 19	1 46	16 22	13 10	13 39	8 56	14 16	7 15
W18	1 58	16 57	0s51	11 4	3 2	3 48	0 56	5 8	0 25	0 42	1 7	3 30	2 34	23 42	0 12	2 43	1 19	1 47	16 22	13 10	13 38	8 59	14 17	7 14
T 19	1 35	21 57	2 6	11 27	3 9	4 19	0 54	5 24	0 24	0 47	1 7	3 32	2 34	23 42	0 12	2 42	1 19	1 47	16 23	13 11	13 37	9 2	14 18	7 14
F 20	1 11	25 33	3 12	11 48	3 14	4 49	0 52	5 40	0 24	0 52	1 7	3 34	2 34	23 42	0 13	2 42	1 19	1 48	16 23	13 11	13 36	9 5	14 18	7 13
S 21	0 48	27 32	4 5	12 8	3 20	5 20	0 50	5 56	0 23	0 57	1 7	3 36	2 34	23 42	0 13	2 41	1 19	1 48	16 23	13 11	13 35	9 8	14 19	7 13
S 22	0 24	27 49	4 43	12 25	3 24	5 50	0 48	6 12	0 23	1 2	1 7	3 38	2 34	23 42	0 13	2 40	1 19	1 49	16 23	13 11	13 34	9 12	14 20	7 12
M23	0 1	26 31	5 5	12 40	3 29	6 21	0 46	6 28	0 22	1 8	1 7	3 40	2 34	23 42	0 13	2 39	1 19	1 49	16 23	13 10	13 33	9 15	14 20	7 12
T 24	0s23	23 51	5 12	12 53	3 32	6 51	0 44	6 44	0 22	1 13	1 7	3 42	2 34	23 42	0 13	2 38	1 19	1 49	16 24	13 9	13 31	9 18	14 21	7 11
W25	0 46	20 5	5 3	13 3	3 35	7 21	0 42	7 0	0 21	1 18	1 7	3 44	2 35	23 42	0 13	2 37	1 19	1 50	16 24	13 8	13 30	9 21	14 21	7 11
T 26	1 10	15 30	4 40	13 9	3 36	7 51	0 39	7 16	0 20	1 23	1 7	3 45	2 35	23 42	0 13	2 36	1 19	1 50	16 24	13 6	13 29	9 25	14 22	7 10
F 27	1 33	10 22	4 4	13 13	3 37	8 21	0 37	7 32	0 20	1 28	1 7	3 47	2 35	23 42	0 13	2 35	1 19	1 51	16 24	13 4	13 28	9 28	14 22	7 9
S 28	1 57	4 54	3 18	13 13	3 37	8 50	0 35	7 47	0 19	1 33	1 7	3 49	2 34	23 42	0 13	2 34	1 19	1 51	16 24	13 2	13 27	9 31	14 23	7 9
S 29	2 20	0n41	2 23	13 9	3 36	9 20	0 32	8 3	0 19	1 39	1 7	3 51	2 34	23 42	0 13	2 34	1 19	1 52	16 24	13 1	13 26	9 34	14 24	7 8
M30	2s44	6n13	1s23	13s 1	3s33	9s49	0n30	8s19	0n18	1s44	1n 7	3s53	2s34	23n42	0n13	2n33	1n19	1s52	16s25	13n 0	13n25	9n37	14s24	7n 8

Julian Day Number = 2310439.5, Delta T = 72.75 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'54, Lahiri = 18°27'54Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1613
geocentric

OCTOBER 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 39 5	7♎50'11	0♉54	24°R42	27♎51	22♎41	7♎ 9	26°R 7	0♋49	26♍40	6°R18	4°D20	5♉33	26♈55	23°D33	T 1
W 2	0 43 1	8°49'24	12°40	24♎12	29° 5	23°22	7°22	26♓ 2	0°50	26°43	6♉17	4♉21	5°30	27° 2	23♊33	W 2
T 3	0 46 58	9°48'40	24°29	23°34	0♏19	24° 2	7°35	25°58	0°50	26°45	6°16	4°22	5°27	27° 9	23°33	T 3
F 4	0 50 54	10°47'57	6♊23	22°48	1°34	24°43	7°48	25°53	0°50	26°47	6°15	4°23	5°24	27°15	23°33	F 4
S 5	0 54 51	11°47'17	18°27	21°55	2°48	25°24	8° 1	25°49	0°50	26°49	6°14	4°25	5°20	27°22	23°34	S 5
S 6	0 58 47	12°46'39	0♋44	20°55	4° 2	26° 4	8°14	25°45	0°50	26°51	6°13	4°26	5°17	27°29	23°34	S 6
M 7	1 2 44	13°46'04	13°20	19°50	5°16	26°45	8°27	25°40	0°R50	26°54	6°12	4°R27	5°14	27°35	23°34	M 7
T 8	1 6 41	14°45'31	26°18	18°40	6°31	27°26	8°40	25°36	0°50	26°56	6°11	4°26	5°11	27°42	23°35	T 8
W 9	1 10 37	15°45'00	9♌42	17°27	7°45	28° 7	8°53	25°32	0°50	26°58	6°10	4°25	5° 8	27°49	23°35	W 9
T 10	1 14 34	16°44'31	23°33	16°14	8°59	28°48	9° 6	25°27	0°50	27° 0	6° 9	4°23	5° 4	27°55	23°36	T 10
F 11	1 18 30	17°44'05	7♍53	15° 3	10°13	29°29	9°19	25°23	0°50	27° 2	6° 8	4°21	5° 1	28° 2	23°37	F 11
S 12	1 22 27	18°43'41	22°36	13°55	11°28	0♏10	9°32	25°19	0°49	27° 4	6° 7	4°19	4°58	28° 9	23°37	S 12
S 13	1 26 23	19°43'19	7♎38	12°52	12°42	0°51	9°44	25°15	0°49	27° 6	6° 6	4°17	4°55	28°15	23°38	S 13
M14	1 30 20	20°42'59	22°49	11°57	13°56	1°33	9°57	25°11	0°49	27° 8	6° 5	4°16	4°52	28°22	23°39	M14
T 15	1 34 16	21°42'42	8♏ 1	11°11	15°10	2°14	10°10	25° 7	0°48	27°11	6° 4	4°D16	4°49	28°28	23°40	T 15
W16	1 38 13	22°42'26	23° 3	10°35	16°25	2°55	10°23	25° 3	0°48	27°13	6° 2	4°17	4°45	28°35	23°41	W16
T 17	1 42 9	23°42'12	7♐49	10°10	17°39	3°37	10°36	25° 0	0°47	27°15	6° 1	4°17	4°42	28°42	23°42	T 17
F 18	1 46 6	24°42'00	22°11	9°56	18°53	4°18	10°49	24°56	0°47	27°17	6° 0	4°18	4°39	28°48	23°44	F 18
S 19	1 50 3	25°41'50	6♑ 9	9°D54	20° 7	4°59	11° 2	24°52	0°46	27°19	5°59	4°19	4°36	28°55	23°45	S 19
S 20	1 53 59	26°41'41	19°40	10° 2	21°22	5°41	11°15	24°48	0°46	27°21	5°58	4°19	4°33	29° 2	23°46	S 20
M21	1 57 56	27°41'34	2♒47	10°22	22°36	6°22	11°27	24°45	0°45	27°23	5°57	4°R19	4°30	29° 8	23°48	M21
T 22	2 1 52	28°41'29	15°33	10°51	23°50	7° 4	11°40	24°41	0°44	27°25	5°56	4°19	4°26	29°15	23°49	T 22
W23	2 5 49	29°41'25	28° 1	11°29	25° 4	7°46	11°53	24°38	0°43	27°27	5°55	4°19	4°23	29°22	23°51	W23
T 24	2 9 45	0♏41'23	10♓15	12°16	26°18	8°27	12° 5	24°35	0°42	27°29	5°54	4°18	4°20	29°28	23°52	T 24
F 25	2 13 42	1°41'22	22°18	13°10	27°32	9° 9	12°18	24°31	0°41	27°31	5°52	4°18	4°17	29°35	23°54	F 25
S 26	2 17 38	2°41'24	4♈13	14°11	28°47	9°51	12°31	24°28	0°40	27°32	5°51	4°17	4°14	29°42	23°56	S 26
S 27	2 21 35	3°41'27	16° 3	15°17	0♐ 1	10°33	12°43	24°25	0°39	27°34	5°50	4°17	4°10	29°48	23°58	S 27
M28	2 25 32	4°41'32	27°51	16°29	1°15	11°15	12°56	24°22	0°38	27°36	5°49	4°17	4° 7	29°55	24° 0	M28
T 29	2 29 28	5°41'38	9♉39	17°45	2°29	11°57	13° 8	24°19	0°37	27°38	5°48	4°17	4° 4	0♉ 2	24° 2	T 29
W30	2 33 25	6°41'47	21°30	19° 4	3°43	12°39	13°21	24°16	0°36	27°40	5°47	4°17	4° 1	0° 8	24° 4	W30
T 31	2 37 21	7♏41'58	3♊24	20♎27	4♐57	13♏21	13♎33	24♓14	0♋35	27♍42	5♉46	4♉17	3♉58	0♉15	24♑ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s 7	11n31	0s19	12s49	3s28	10s18	0n28	8s34	0n17	1s49	1n 7	3s55	2s34	23n42	0n13	2n32	1n19	1s53	16s25	13n 0	13n24	9n41	14s25	7n 7
W 2	3 30	16 24	0n46	12 32	3 22	10 47	0 25	8 50	0 17	1 54	1 7	3 56	2 34	23 42	0 13	2 31	1 19	1 53	16 25	13 0	13 23	9 44	14 25	7 7
T 3	3 54	20 41	1 49	12 11	3 15	11 15	0 23	9 6	0 16	1 59	1 7	3 58	2 34	23 42	0 13	2 30	1 19	1 53	16 25	13 0	13 22	9 47	14 26	7 6
F 4	4 17	24 10	2 48	11 45	3 5	11 43	0 20	9 21	0 16	2 4	1 7	4 0	2 34	23 42	0 13	2 29	1 19	1 54	16 25	13 1	13 21	9 50	14 26	7 6
S 5	4 40	26 38	3 40	11 15	2 54	12 11	0 18	9 37	0 15	2 9	1 7	4 2	2 34	23 42	0 13	2 28	1 19	1 54	16 25	13 1	13 20	9 53	14 27	7 5
S 6	5 3	27 53	4 23	10 40	2 41	12 39	0 15	9 52	0 14	2 15	1 7	4 3	2 34	23 42	0 13	2 28	1 19	1 55	16 25	13 2	13 19	9 57	14 27	7 5
M 7	5 27	27 43	4 55	10 1	2 26	13 7	0 13	10 7	0 14	2 20	1 7	4 5	2 34	23 42	0 13	2 27	1 19	1 55	16 25	13 2	13 18	10 0	14 28	7 4
T 8	5 50	26 3	5 13	9 19	2 9	13 34	0 10	10 23	0 13	2 25	1 7	4 7	2 34	23 42	0 13	2 26	1 19	1 56	16 26	13 2	13 17	10 3	14 28	7 4
W 9	6 13	22 55	5 15	8 34	1 51	14 0	0 7	10 38	0 13	2 30	1 7	4 8	2 34	23 42	0 13	2 25	1 19	1 56	16 26	13 1	13 16	10 6	14 28	7 3
T 10	6 36	18 23	4 59	7 48	1 32	14 27	0 5	10 53	0 12	2 35	1 7	4 10	2 34	23 42	0 13	2 24	1 19	1 56	16 26	13 1	13 15	10 9	14 29	7 3
F 11	6 58	12 43	4 24	7 2	1 11	14 53	0 2	11 8	0 12	2 40	1 7	4 11	2 34	23 42	0 13	2 23	1 19	1 57	16 26	13 0	13 13	10 13	14 29	7 2
S 12	7 21	6 10	3 31	6 17	0 51	15 19	0s 0	11 23	0 11	2 45	1 7	4 13	2 34	23 42	0 13	2 23	1 19	1 57	16 26	12 59	13 12	10 16	14 30	7 2
S 13	7 44	0s51	2 22	5 33	0 30	15 44	0 3	11 38	0 10	2 50	1 7	4 14	2 34	23 42	0 13	2 22	1 19	1 58	16 26	12 59	13 11	10 19	14 30	7 1
M14	8 6	7 55	1 3	4 53	0 10	16 9	0 6	11 53	0 10	2 55	1 7	4 16	2 34	23 42	0 13	2 21	1 19	1 58	16 26	12 58	13 10	10 22	14 30	7 1
T 15	8 29	14 32	0s21	4 17	0n10	16 34	0 9	12 8	0 9	3 0	1 7	4 17	2 34	23 42	0 13	2 20	1 19	1 58	16 26	12 58	13 9	10 25	14 31	7 0
W16	8 51	20 14	1 42	3 46	0 28	16 58	0 11	12 23	0 9	3 5	1 7	4 19	2 33	23 42	0 13	2 19	1 19	1 59	16 26	12 58	13 8	10 29	14 31	6 59
T 17	9 13	24 33	2 56	3 20	0 45	17 21	0 14	12 37	0 8	3 10	1 7	4 20	2 33	23 42	0 13	2 19	1 19	1 59	16 26	12 59	13 7	10 32	14 31	6 59
F 18	9 35	27 11	3 56	3 1	1 1	17 45	0 17	12 52	0 7	3 15	1 7	4 22	2 33	23 42	0 13	2 18	1 19	2 0	16 26	12 59	13 6	10 35	14 32	6 58
S 19	9 57	28 1	4 40	2 47	1 15	18 7	0 19	13 6	0 7	3 20	1 8	4 23	2 33	23 42	0 13	2 17	1 19	2 0	16 26	12 59	13 5	10 38	14 32	6 58
S 20	10 19	27 7	5 7	2 39	1 27	18 30	0 22	13 21	0 6	3 25	1 8	4 24	2 33	23 42	0 13	2 16	1 19	2 0	16 26	12 59	13 4	10 41	14 32	6 57
M21	10 41	24 43	5 18	2 37	1 38	18 52	0 25	13 35	0 6	3 30	1 8	4 26	2 33	23 43	0 13	2 15	1 19	2 1	16 26	12 59	13 3	10 45	14 33	6 57
T 22	11 2	21 10	5 12	2 40	1 47	19 13	0 28	13 49	0 5	3 35	1 8	4 27	2 33	23 43	0 13	2 15	1 19	2 1	16 26	12 59	13 2	10 48	14 33	6 56
W23	11 23	16 44	4 51	2 48	1 54	19 34	0 30	14 4	0 4	3 40	1 8	4 28	2 33	23 43	0 13	2 14	1 19	2 1	16 26	12 59	13 1	10 51	14 33	6 56
T 24	11 44	11 42	4 17	3 1	2 0	19 54	0 33	14 18	0 4	3 45	1 8	4 29	2 32	23 43	0 13	2 13	1 19	2 2	16 27	12 59	13 0	10 54	14 33	6 55
F 25	12 5	6 19	3 33	3 18	2 5	20 14	0 36	14 32	0 3	3 50	1 8	4 31	2 32	23 43	0 13	2 12	1 20	2 2	16 27	12 59	12 58	10 57	14 34	6 55
S 26	12 26	0 46	2 40	3 38	2 8	20 33	0 38	14 46	0 3	3 55	1 8	4 32	2 32	23 43	0 13	2 12	1 20	2 3	16 27	12 59	12 57	11 0	14 34	6 54
S 27	12 46	4n48	1 40	4 2	2 10	20 52	0 41	14 59	0 2	4 0	1 8	4 33	2 32	23 43	0 13	2 11	1 20	2 3	16 27	12 59	12 56	11 4	14 34	6 54
M28	13 7	10 11	0 36	4 29	2 11	21 10	0 44	15 13	0 1	4 4	1 8	4 34	2 32	23 43	0 13	2 10	1 20	2 3	16 27	12 59	12 55	11 7	14 34	6 53
T 29	13 27	15 13	0n30	4 58	2 11	21 28	0 46	15 27	0 1	4 9	1 8	4 35	2 32	23 43	0 13	2 10	1 20	2 4	16 26	12 59	12 54	11 10	14 34	6 53
W30	13 47	19 41	1 34	5 29	2 10	21 45	0 49	15 40	0 0	4 14	1 8	4 36	2 32	23 43	0 13	2 9	1 20	2 4	16 26	12 59	12 53	11 13	14 34	6 52
T 31	14s 7	23n25	2n35	6s 2	2n 8	22s 1	0s52	15s53	0s 0	4s19	1n 8	4s37	2s31	23n43	0n13	2n 8	1n20	2s 4	16s26	12n59	12n52	11n16	14s35	6n52

Julian Day Number = 2310469.5, Delta T = 72.67 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°20'58, Lahiri = 18°27'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

NOVEMBER 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 41 18	8♏42'10	15♊25	21♎53	6♐11	14♏ 3	13♎46	24°R11	0°R33	27♍44	5°R45	4°R16	3♉55	0♉21	24♂ 8	F 1
S 2	2 45 14	9°42'25	27°35	23°20	7°25	14°45	13°58	24♓ 8	0♋32	27°45	5♉43	4♉16	3°51	0°28	24°10	S 2
S 3	2 49 11	10°42'41	9♋57	24°49	8°39	15°27	14°10	24° 6	0°31	27°47	5°42	4°15	3°48	0°35	24°12	S 3
M 4	2 53 7	11°43'00	22°35	26°20	9°53	16°10	14°23	24° 4	0°29	27°49	5°41	4°14	3°45	0°41	24°15	M 4
T 5	2 57 4	12°43'20	5♌30	27°52	11° 7	16°52	14°35	24° 1	0°28	27°51	5°40	4°14	3°42	0°48	24°17	T 5
W 6	3 1 1	13°43'42	18°47	29°25	12°22	17°34	14°47	23°59	0°26	27°52	5°39	4°D14	3°39	0°55	24°20	W 6
T 7	3 4 57	14°44'07	2♍27	0♏59	13°36	18°17	14°59	23°57	0°25	27°54	5°38	4°14	3°36	1° 1	24°22	T 7
F 8	3 8 54	15°44'33	16°31	2°33	14°50	18°59	15°11	23°55	0°23	27°56	5°37	4°15	3°32	1° 8	24°25	F 8
S 9	3 12 50	16°45'01	0♎59	4° 8	16° 4	19°42	15°23	23°53	0°22	27°57	5°36	4°16	3°29	1°15	24°28	S 9
S 10	3 16 47	17°45'31	15°47	5°43	17°18	20°25	15°35	23°51	0°20	27°59	5°35	4°17	3°26	1°21	24°30	S 10
M11	3 20 43	18°46'03	0♏50	7°18	18°31	21° 7	15°47	23°49	0°18	28° 0	5°33	4°R18	3°23	1°28	24°33	M11
T 12	3 24 40	19°46'36	16° 0	8°54	19°45	21°50	15°59	23°48	0°17	28° 2	5°32	4°17	3°20	1°35	24°36	T 12
W13	3 28 36	20°47'12	1♐ 7	10°29	20°59	22°33	16°11	23°46	0°15	28° 3	5°31	4°16	3°16	1°41	24°39	W13
T 14	3 32 33	21°47'48	16° 1	12° 5	22°13	23°16	16°23	23°45	0°13	28° 5	5°30	4°14	3°13	1°48	24°42	T 14
F 15	3 36 30	22°48'26	0♑36	13°40	23°27	23°58	16°35	23°44	0°11	28° 6	5°29	4°12	3°10	1°54	24°45	F 15
S 16	3 40 26	23°49'06	14°46	15°16	24°41	24°41	16°46	23°42	0° 9	28° 8	5°28	4° 9	3° 7	2° 1	24°48	S 16
S 17	3 44 23	24°49'46	28°28	16°51	25°55	25°24	16°58	23°41	0° 7	28° 9	5°27	4° 7	3° 4	2° 8	24°51	S 17
M18	3 48 19	25°50'28	11♒42	18°27	27° 9	26° 7	17° 9	23°40	0° 5	28°11	5°26	4° 5	3° 1	2°14	24°55	M18
T 19	3 52 16	26°51'10	24°31	20° 2	28°23	26°50	17°21	23°40	0° 3	28°12	5°25	4°D 4	2°57	2°21	24°58	T 19
W20	3 56 12	27°51'54	6♓58	21°37	29°37	27°33	17°32	23°39	0° 1	28°13	5°24	4° 5	2°54	2°28	25° 1	W20
T 21	4 0 9	28°52'39	19° 8	23°12	0♑50	28°17	17°43	23°38	29♊59	28°15	5°23	4° 6	2°51	2°34	25° 5	T 21
F 22	4 4 6	29°53'25	1♈ 6	24°47	2° 4	29° 0	17°55	23°38	29°57	28°16	5°22	4° 8	2°48	2°41	25° 8	F 22
S 23	4 8 2	0♐54'11	12°57	26°21	3°18	29°43	18° 6	23°37	29°55	28°17	5°21	4° 9	2°45	2°48	25°12	S 23
S 24	4 11 59	1°54'59	24°44	27°56	4°32	0♐26	18°17	23°37	29°53	28°18	5°20	4°11	2°42	2°54	25°15	S 24
M25	4 15 55	2°55'48	6♉31	29°30	5°45	1°10	18°28	23°36	29°50	28°20	5°19	4°R11	2°38	3° 1	25°19	M25
T 26	4 19 52	3°56'38	18°22	1♐ 5	6°59	1°53	18°39	23°36	29°48	28°21	5°18	4°10	2°35	3° 8	25°23	T 26
W27	4 23 48	4°57'29	0♊18	2°39	8°13	2°37	18°50	23°D36	29°46	28°22	5°17	4° 7	2°32	3°14	25°26	W27
T 28	4 27 45	5°58'22	12°23	4°13	9°26	3°20	19° 0	23°36	29°44	28°23	5°16	4° 3	2°29	3°21	25°30	T 28
F 29	4 31 41	6°59'15	24°37	5°48	10°40	4° 4	19°11	23°37	29°41	28°24	5°15	3°58	2°26	3°28	25°34	F 29
S 30	4 35 38	8♐ 0'10	7♋ 1	7♐22	11♑53	4♐47	19♎22	23♓37	29♊39	28♍25	5♉14	3♉52	2♉22	3♉34	25♂38	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s26	26n10	3n29	6s36	2n 5	22s17	0s54	16s 6	0s 1	4s24	1n 8	4s38	2s31	23n43	0n13	2n 8	1n20	2s 5	16s26	12n58	12n51	11n19	14s35	6n51
S 2	14 45	27 43	4 15	7 12	2 2	22 32	0 57	16 20	0 2	4 28	1 8	4 39	2 31	23 43	0 13	2 7	1 20	2 5	16 26	12 58	12 50	11 23	14 35	6 51
S 3	15 4	27 56	4 50	7 48	1 58	22 46	0 59	16 33	0 2	4 33	1 8	4 39	2 31	23 43	0 13	2 6	1 20	2 5	16 26	12 58	12 49	11 26	14 35	6 50
M 4	15 23	26 42	5 11	8 25	1 54	23 0	1 2	16 45	0 3	4 38	1 8	4 40	2 31	23 43	0 13	2 6	1 20	2 5	16 26	12 58	12 48	11 29	14 35	6 50
T 5	15 41	24 4	5 17	9 2	1 49	23 13	1 4	16 58	0 4	4 42	1 9	4 41	2 31	23 43	0 13	2 5	1 20	2 6	16 26	12 57	12 47	11 32	14 35	6 49
W 6	16 0	20 5	5 7	9 40	1 44	23 26	1 7	17 11	0 4	4 47	1 9	4 42	2 30	23 43	0 13	2 4	1 20	2 6	16 26	12 57	12 46	11 35	14 35	6 49
T 7	16 18	14 59	4 40	10 18	1 39	23 38	1 9	17 23	0 5	4 52	1 9	4 42	2 30	23 43	0 13	2 4	1 20	2 6	16 26	12 58	12 44	11 38	14 35	6 49
F 8	16 35	8 56	3 55	10 56	1 33	23 49	1 12	17 35	0 5	4 56	1 9	4 43	2 30	23 43	0 13	2 3	1 20	2 7	16 26	12 58	12 43	11 41	14 35	6 48
S 9	16 53	2 17	2 54	11 33	1 27	23 59	1 14	17 48	0 6	5 1	1 9	4 43	2 30	23 43	0 14	2 2	1 20	2 7	16 26	12 58	12 42	11 45	14 35	6 48
S 10	17 10	4s40	1 41	12 11	1 21	24 9	1 16	18 0	0 7	5 5	1 9	4 44	2 30	23 43	0 14	2 2	1 20	2 7	16 26	12 59	12 41	11 48	14 35	6 47
M11	17 27	11 29	0 19	12 48	1 15	24 18	1 19	18 12	0 7	5 10	1 9	4 45	2 29	23 43	0 14	2 1	1 20	2 7	16 26	12 59	12 40	11 51	14 35	6 47
T 12	17 43	17 41	1s 4	13 25	1 8	24 26	1 21	18 23	0 8	5 14	1 9	4 45	2 29	23 43	0 14	2 1	1 20	2 8	16 26	12 59	12 39	11 54	14 35	6 46
W13	17 59	22 46	2 23	14 1	1 2	24 34	1 23	18 35	0 8	5 19	1 9	4 45	2 29	23 43	0 14	2 0	1 20	2 8	16 26	12 58	12 38	11 57	14 35	6 46
T 14	18 15	26 15	3 31	14 37	0 55	24 41	1 25	18 46	0 9	5 23	1 9	4 46	2 29	23 43	0 14	2 0	1 20	2 8	16 25	12 58	12 37	12 0	14 35	6 45
F 15	18 31	27 53	4 23	15 13	0 48	24 47	1 27	18 58	0 10	5 28	1 9	4 46	2 29	23 43	0 14	1 59	1 20	2 8	16 25	12 57	12 36	12 3	14 35	6 45
S 16	18 46	27 36	4 58	15 47	0 42	24 52	1 29	19 9	0 10	5 32	1 10	4 46	2 28	23 43	0 14	1 58	1 20	2 9	16 25	12 56	12 35	12 7	14 35	6 44
S 17	19 1	25 38	5 14	16 21	0 35	24 57	1 31	19 20	0 11	5 36	1 10	4 47	2 28	23 43	0 14	1 58	1 20	2 9	16 25	12 55	12 34	12 10	14 34	6 44
M18	19 16	22 19	5 13	16 55	0 28	25 1	1 33	19 31	0 11	5 41	1 10	4 47	2 28	23 43	0 14	1 57	1 20	2 9	16 25	12 54	12 33	12 13	14 34	6 44
T 19	19 30	18 1	4 56	17 27	0 21	25 4	1 35	19 41	0 12	5 45	1 10	4 47	2 28	23 43	0 14	1 57	1 21	2 9	16 25	12 54	12 31	12 16	14 34	6 43
W20	19 44	13 4	4 25	17 59	0 14	25 6	1 37	19 52	0 13	5 49	1 10	4 47	2 27	23 43	0 14	1 56	1 21	2 9	16 25	12 54	12 30	12 19	14 34	6 43
T 21	19 57	7 44	3 43	18 30	0 7	25 8	1 39	20 2	0 13	5 53	1 10	4 47	2 27	23 43	0 14	1 56	1 21	2 9	16 24	12 55	12 29	12 22	14 34	6 42
F 22	20 10	2 12	2 52	19 0	0 0	25 9	1 40	20 12	0 14	5 58	1 10	4 47	2 27	23 43	0 14	1 55	1 21	2 10	16 24	12 55	12 28	12 25	14 34	6 42
S 23	20 23	3n22	1 54	19 29	0s 6	25 9	1 42	20 22	0 14	6 2	1 10	4 47	2 27	23 43	0 14	1 55	1 21	2 10	16 24	12 56	12 27	12 28	14 33	6 42
S 24	20 35	8 48	0 52	19 57	0 13	25 8	1 44	20 32	0 15	6 6	1 10	4 47	2 27	23 43	0 14	1 55	1 21	2 10	16 24	12 56	12 26	12 31	14 33	6 41
M25	20 47	13 55	0n13	20 25	0 20	25 7	1 45	20 42	0 16	6 10	1 11	4 47	2 26	23 43	0 14	1 54	1 21	2 10	16 24	12 57	12 25	12 35	14 33	6 41
T 26	20 59	18 34	1 17	20 51	0 26	25 5	1 47	20 51	0 16	6 14	1 11	4 47	2 26	23 43	0 14	1 54	1 21	2 10	16 24	12 56	12 24	12 38	14 33	6 40
W27	21 10	22 31	2 18	21 16	0 33	25 2	1 48	21 0	0 17	6 18	1 11	4 47	2 26	23 43	0 14	1 53	1 21	2 10	16 23	12 55	12 23	12 41	14 32	6 40
T 28	21 21	25 32	3 14	21 40	0 39	24 58	1 49	21 9	0 17	6 22	1 11	4 46	2 26	23 43	0 14	1 53	1 21	2 10	16 23	12 54	12 22	12 44	14 32	6 40
F 29	21 31	27 24	4 1	22 4	0 45	24 54	1 51	21 18	0 18	6 26	1 11	4 46	2 26	23 43	0 14	1 52	1 21	2 11	16 23	12 52	12 21	12 47	14 32	6 39
S 30	21s41	27n56	4n38	22s26	0s51	24s49	1s52	21s27	0s19	6s30	1n11	4s46	2s25	23n43	0n14	1n52	1n21	2s11	16s23	12n50	12n19	12n50	14s31	6n39

Julian Day Number = 2310500.5, Delta T = 72.58 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'02, Lahiri = 18°28'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1613
geocentric

DECEMBER 1613 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 35	9♐ 1'05	19♋37	8♐56	13♑ 7	5♐31	19♎32	23♓37	29°R37	28♍26	5°R13	3°R45	2♉19	3♉41	25♑42	S 1
M 2	4 43 31	10° 2'02	2♌25	10°30	14°20	6°15	19°43	23°38	29♊34	28°27	5♉12	3♉40	2°16	3°47	25°45	M 2
T 3	4 47 28	11° 3'00	15°27	12° 5	15°34	6°59	19°53	23°38	29°32	28°28	5°11	3°35	2°13	3°54	25°49	T 3
W 4	4 51 24	12° 3'59	28°45	13°39	16°47	7°42	20° 3	23°39	29°30	28°29	5°10	3°33	2°10	4° 1	25°54	W 4
T 5	4 55 21	13° 5'00	12♍18	15°13	18° 1	8°26	20°13	23°40	29°27	28°30	5°10	3°D32	2° 7	4° 7	25°58	T 5
F 6	4 59 17	14° 6'01	26°10	16°48	19°14	9°10	20°24	23°41	29°25	28°31	5° 9	3°32	2° 3	4°14	26° 2	F 6
S 7	5 3 14	15° 7'03	10♎19	18°22	20°27	9°54	20°34	23°42	29°22	28°32	5° 8	3°34	2° 0	4°21	26° 6	S 7
S 8	5 7 10	16° 8'07	24°45	19°57	21°41	10°38	20°43	23°43	29°20	28°32	5° 7	3°35	1°57	4°27	26°10	S 8
M 9	5 11 7	17° 9'12	9♏26	21°32	22°54	11°22	20°53	23°45	29°17	28°33	5° 6	3°R35	1°54	4°34	26°14	M 9
T 10	5 15 4	18°10'17	24°16	23° 6	24° 7	12° 6	21° 3	23°46	29°15	28°34	5° 5	3°33	1°51	4°41	26°19	T 10
W11	5 19 0	19°11'24	9♐ 9	24°41	25°20	12°51	21°12	23°47	29°12	28°35	5° 5	3°29	1°48	4°47	26°23	W11
T 12	5 22 57	20°12'31	23°56	26°16	26°34	13°35	21°22	23°49	29°10	28°35	5° 4	3°23	1°44	4°54	26°27	T 12
F 13	5 26 53	21°13'39	8♑29	27°52	27°47	14°19	21°31	23°51	29° 7	28°36	5° 3	3°15	1°41	5° 1	26°32	F 13
S 14	5 30 50	22°14'47	22°42	29°27	29° 0	15° 3	21°40	23°53	29° 5	28°36	5° 2	3° 7	1°38	5° 7	26°36	S 14
S 15	5 34 46	23°15'56	6♒29	1♑ 2	0♒13	15°48	21°50	23°54	29° 2	28°37	5° 2	2°59	1°35	5°14	26°41	S 15
M16	5 38 43	24°17'05	19°49	2°38	1°26	16°32	21°59	23°57	28°59	28°38	5° 1	2°52	1°32	5°21	26°45	M16
T 17	5 42 39	25°18'14	2♓44	4°14	2°39	17°17	22° 7	23°59	28°57	28°38	5° 0	2°47	1°28	5°27	26°50	T 17
W18	5 46 36	26°19'23	15°15	5°50	3°51	18° 1	22°16	24° 1	28°54	28°38	5° 0	2°44	1°25	5°34	26°54	W18
T 19	5 50 33	27°20'32	27°27	7°25	5° 4	18°46	22°25	24° 3	28°52	28°39	4°59	2°D44	1°22	5°40	26°59	T 19
F 20	5 54 29	28°21'41	9♈25	9° 1	6°17	19°30	22°33	24° 6	28°49	28°39	4°58	2°44	1°19	5°47	27° 3	F 20
S 21	5 58 26	29°22'50	21°14	10°37	7°30	20°15	22°42	24° 8	28°46	28°40	4°58	2°45	1°16	5°54	27° 8	S 21
S 22	6 2 22	0♑23'59	3♉ 1	12°13	8°42	20°59	22°50	24°11	28°44	28°40	4°57	2°R46	1°13	6° 0	27°13	S 22
M23	6 6 19	1°25'09	14°49	13°49	9°55	21°44	22°58	24°14	28°41	28°40	4°57	2°45	1° 9	6° 7	27°17	M23
T 24	6 10 15	2°26'18	26°44	15°24	11° 7	22°29	23° 6	24°16	28°39	28°40	4°56	2°42	1° 6	6°14	27°22	T 24
W25	6 14 12	3°27'27	8♊48	16°59	12°20	23°14	23°14	24°19	28°36	28°41	4°56	2°36	1° 3	6°20	27°27	W25
T 26	6 18 8	4°28'37	21° 4	18°34	13°32	23°59	23°22	24°22	28°34	28°41	4°55	2°28	1° 0	6°27	27°32	T 26
F 27	6 22 5	5°29'46	3♋34	20° 9	14°44	24°43	23°30	24°26	28°31	28°41	4°55	2°17	0°57	6°34	27°36	F 27
S 28	6 26 2	6°30'56	16°17	21°42	15°57	25°28	23°37	24°29	28°28	28°41	4°54	2° 5	0°54	6°40	27°41	S 28
S 29	6 29 58	7°32'05	29°14	23°15	17° 9	26°13	23°45	24°32	28°26	28°41	4°54	1°53	0°50	6°47	27°46	S 29
M30	6 33 55	8°33'15	12♌23	24°46	18°21	26°58	23°52	24°36	28°23	28°41	4°53	1°42	0°47	6°54	27°51	M30
T 31	6 37 51	9♑34'24	25♌43	26♑17	19♒33	27♐43	23♎59	24♓39	28♊21	28°R41	4♉53	1♉33	0♉44	7♉ 0	27♑56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s51	27n 2	5n 2	22s47	0s57	24s43	1s53	21s35	0s19	6s34	1n11	4s45	2s25	23n43	0n14	1n52	1n21	2s11	16s23	12n48	12n18	12n53	14s31	6n39
M 2	22 0	24 42	5 11	23 7	1 3	24 36	1 54	21 43	0 20	6 37	1 12	4 45	2 25	23 43	0 14	1 51	1 21	2 11	16 22	12 46	12 17	12 56	14 31	6 38
T 3	22 9	21 5	5 4	23 25	1 9	24 29	1 55	21 51	0 20	6 41	1 12	4 45	2 25	23 43	0 14	1 51	1 21	2 11	16 22	12 44	12 16	12 59	14 30	6 38
W 4	22 17	16 20	4 42	23 43	1 14	24 21	1 56	21 59	0 21	6 45	1 12	4 44	2 24	23 43	0 14	1 51	1 21	2 11	16 22	12 43	12 15	13 2	14 30	6 38
T 5	22 25	10 42	4 3	23 59	1 20	24 12	1 57	22 7	0 22	6 49	1 12	4 43	2 24	23 43	0 14	1 50	1 21	2 11	16 22	12 43	12 14	13 6	14 29	6 37
F 6	22 33	4 25	3 9	24 14	1 25	24 3	1 57	22 14	0 22	6 52	1 12	4 43	2 24	23 43	0 14	1 50	1 21	2 11	16 22	12 43	12 13	13 9	14 29	6 37
S 7	22 40	2s13	2 3	24 28	1 30	23 52	1 58	22 22	0 23	6 56	1 12	4 42	2 24	23 43	0 14	1 50	1 21	2 11	16 21	12 44	12 12	13 12	14 29	6 37
S 8	22 46	8 52	0 48	24 41	1 34	23 41	1 58	22 29	0 23	6 59	1 12	4 42	2 23	23 43	0 14	1 50	1 21	2 11	16 21	12 44	12 11	13 15	14 28	6 36
M 9	22 52	15 10	0s32	24 52	1 39	23 30	1 59	22 35	0 24	7 3	1 13	4 41	2 23	23 43	0 14	1 49	1 22	2 11	16 21	12 44	12 10	13 18	14 28	6 36
T 10	22 58	20 39	1 50	25 2	1 43	23 18	1 59	22 42	0 25	7 6	1 13	4 40	2 23	23 43	0 14	1 49	1 22	2 11	16 21	12 44	12 8	13 21	14 27	6 36
W11	23 3	24 50	3 0	25 10	1 47	23 5	2 0	22 48	0 25	7 10	1 13	4 39	2 23	23 43	0 14	1 49	1 22	2 11	16 20	12 42	12 7	13 24	14 27	6 36
T 12	23 8	27 19	3 58	25 17	1 51	22 51	2 0	22 54	0 26	7 13	1 13	4 38	2 23	23 43	0 14	1 49	1 22	2 11	16 20	12 40	12 6	13 27	14 26	6 35
F 13	23 12	27 52	4 39	25 23	1 55	22 37	2 0	23 0	0 26	7 17	1 13	4 38	2 22	23 43	0 14	1 48	1 22	2 11	16 20	12 38	12 5	13 30	14 26	6 35
S 14	23 16	26 33	5 2	25 27	1 58	22 22	2 0	23 6	0 27	7 20	1 13	4 37	2 22	23 43	0 14	1 48	1 22	2 11	16 19	12 35	12 4	13 33	14 25	6 35
S 15	23 19	23 38	5 7	25 30	2 1	22 6	2 0	23 11	0 28	7 23	1 14	4 36	2 22	23 43	0 14	1 48	1 22	2 11	16 19	12 32	12 3	13 36	14 25	6 34
M16	23 22	19 33	4 54	25 31	2 3	21 50	2 0	23 17	0 28	7 26	1 14	4 35	2 22	23 43	0 14	1 48	1 22	2 11	16 19	12 30	12 2	13 39	14 24	6 34
T 17	23 24	14 40	4 27	25 31	2 5	21 33	2 0	23 22	0 29	7 30	1 14	4 34	2 21	23 43	0 14	1 48	1 22	2 11	16 19	12 28	12 1	13 42	14 23	6 34
W18	23 26	9 19	3 47	25 29	2 7	21 16	1 59	23 26	0 29	7 33	1 14	4 33	2 21	23 43	0 14	1 48	1 22	2 11	16 18	12 27	12 0	13 45	14 23	6 34
T 19	23 28	3 45	2 58	25 26	2 9	20 58	1 59	23 31	0 30	7 36	1 14	4 31	2 21	23 43	0 14	1 48	1 22	2 11	16 18	12 27	11 59	13 48	14 22	6 33
F 20	23 29	1n52	2 2	25 21	2 10	20 39	1 58	23 35	0 31	7 39	1 14	4 30	2 21	23 43	0 14	1 47	1 22	2 11	16 18	12 27	11 57	13 51	14 21	6 33
S 21	23 29	7 21	1 2	25 14	2 11	20 20	1 58	23 39	0 31	7 42	1 15	4 29	2 21	23 43	0 14	1 47	1 22	2 11	16 17	12 27	11 56	13 55	14 21	6 33
S 22	23 29	12 34	0n 1	25 6	2 11	20 0	1 57	23 43	0 32	7 45	1 15	4 28	2 20	23 43	0 14	1 47	1 22	2 11	16 17	12 27	11 55	13 58	14 20	6 33
M23	23 29	17 20	1 4	24 56	2 11	19 40	1 56	23 46	0 32	7 47	1 15	4 26	2 20	23 43	0 14	1 47	1 22	2 11	16 17	12 27	11 54	14 1	14 20	6 33
T 24	23 28	21 29	2 5	24 45	2 10	19 19	1 55	23 50	0 33	7 50	1 15	4 25	2 20	23 43	0 14	1 47	1 22	2 10	16 17	12 26	11 53	14 4	14 19	6 32
W25	23 27	24 47	3 0	24 32	2 9	18 58	1 54	23 53	0 33	7 53	1 15	4 24	2 20	23 43	0 14	1 47	1 22	2 10	16 16	12 24	11 52	14 7	14 18	6 32
T 26	23 25	26 59	3 48	24 18	2 7	18 36	1 53	23 55	0 34	7 56	1 16	4 22	2 19	23 43	0 14	1 47	1 22	2 10	16 16	12 21	11 51	14 10	14 17	6 32
F 27	23 23	27 52	4 26	24 2	2 4	18 14	1 52	23 58	0 35	7 58	1 16	4 21	2 19	23 43	0 14	1 47	1 22	2 10	16 16	12 18	11 50	14 13	14 17	6 32
S 28	23 20	27 19	4 51	23 44	2 1	17 51	1 51	24 0	0 35	8 1	1 16	4 19	2 19	23 43	0 14	1 47	1 23	2 10	16 15	12 14	11 49	14 16	14 16	6 32
S 29	23 17	25 17	5 2	23 25	1 58	17 28	1 49	24 2	0 36	8 3	1 16	4 18	2 19	23 43	0 14	1 47	1 23	2 10	16 15	12 9	11 47	14 19	14 15	6 32
M30	23 13	21 52	4 57	23 5	1 53	17 4	1 48	24 4	0 36	8 6	1 16	4 16	2 19	23 43	0 14	1 47	1 23	2 10	16 15	12 5	11 46	14 22	14 14	6 31
T 31	23s 9	17n18	4n36	22s43	1s48	16s40	1s46	24s 5	0s37	8s 8	1n16	4s15	2s18	23n43	0n14	1n47	1n23	2s 9	16s14	12n 2	11n45	14n25	14s14	6n31

Julian Day Number = 2310530.5, Delta T = 72.49 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'07, Lahiri = 18°28'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

JANUARY 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 41 48	10♉35'34	9♍14	27♉45	20♒45	28♐29	24♎ 6	24♓43	28°R18	28°R41	4°R53	1°R26	0♌41	7♌ 7	28♉ 1	W 1
T 2	6 45 44	11°36'43	22°54	29°12	21°56	29°14	24°13	24°46	28♊16	28♍41	4♌52	1♌22	0°38	7°13	28° 6	T 2
F 3	6 49 41	12°37'53	6♎44	0♒36	23° 8	29°59	24°19	24°50	28°13	28°41	4°52	1°21	0°34	7°20	28°10	F 3
S 4	6 53 38	13°39'03	20°43	1°57	24°20	0♉44	24°26	24°54	28°11	28°41	4°51	1°D21	0°31	7°27	28°15	S 4
S 5	6 57 34	14°40'12	4♏52	3°14	25°31	1°29	24°32	24°58	28° 8	28°41	4°51	1°R21	0°28	7°33	28°20	S 5
M 6	7 1 31	15°41'22	19°10	4°27	26°43	2°15	24°39	25° 2	28° 6	28°41	4°51	1°20	0°25	7°40	28°25	M 6
T 7	7 5 27	16°42'32	3♐33	5°36	27°54	3° 0	24°45	25° 6	28° 4	28°40	4°51	1°16	0°22	7°47	28°30	T 7
W 8	7 9 24	17°43'42	18° 0	6°39	29° 5	3°46	24°51	25°10	28° 1	28°40	4°50	1°10	0°19	7°53	28°35	W 8
T 9	7 13 20	18°44'51	2♉23	7°36	0♓16	4°31	24°56	25°15	27°59	28°40	4°50	1° 1	0°15	8° 0	28°40	T 9
F 10	7 17 17	19°46'00	16°38	8°26	1°27	5°16	25° 2	25°19	27°56	28°39	4°50	0°49	0°12	8° 7	28°45	F 10
S 11	7 21 13	20°47'09	0♒38	9° 7	2°38	6° 2	25° 7	25°24	27°54	28°39	4°50	0°36	0° 9	8°13	28°50	S 11
S 12	7 25 10	21°48'17	14°18	9°39	3°49	6°48	25°13	25°28	27°52	28°39	4°50	0°24	0° 6	8°20	28°55	S 12
M13	7 29 7	22°49'24	27°36	10° 2	5° 0	7°33	25°18	25°33	27°49	28°38	4°50	0°13	0° 3	8°27	29° 0	M13
T 14	7 33 3	23°50'30	10♓31	10°14	6°11	8°19	25°23	25°38	27°47	28°38	4°49	0° 4	29♈59	8°33	29° 5	T 14
W15	7 37 0	24°51'36	23° 3	10°R15	7°21	9° 4	25°28	25°42	27°45	28°37	4°49	29♈58	29°56	8°40	29°10	W15
T 16	7 40 56	25°52'40	5♈17	10° 5	8°31	9°50	25°32	25°47	27°43	28°37	4°49	29°54	29°53	8°47	29°16	T 16
F 17	7 44 53	26°53'44	17°17	9°43	9°42	10°36	25°37	25°52	27°41	28°36	4°49	29°53	29°50	8°53	29°21	F 17
S 18	7 48 49	27°54'46	29° 8	9° 9	10°52	11°22	25°41	25°57	27°38	28°36	4°D49	29°53	29°47	9° 0	29°26	S 18
S 19	7 52 46	28°55'48	10♌55	8°25	12° 2	12° 7	25°45	26° 3	27°36	28°35	4°49	29°53	29°44	9° 6	29°31	S 19
M20	7 56 42	29°56'48	22°45	7°31	13°11	12°53	25°49	26° 8	27°34	28°34	4°49	29°51	29°40	9°13	29°36	M20
T 21	8 0 39	0♒57'47	4♊42	6°29	14°21	13°39	25°53	26°13	27°32	28°34	4°49	29°48	29°37	9°20	29°41	T 21
W22	8 4 36	1°58'46	16°51	5°20	15°30	14°25	25°57	26°18	27°30	28°33	4°49	29°41	29°34	9°26	29°46	W22
T 23	8 8 32	2°59'43	29°15	4° 8	16°40	15°11	26° 0	26°24	27°28	28°32	4°49	29°32	29°31	9°33	29°51	T 23
F 24	8 12 29	4° 0'39	11♋58	2°53	17°49	15°57	26° 3	26°29	27°26	28°31	4°50	29°21	29°28	9°40	29°56	F 24
S 25	8 16 25	5° 1'34	24°59	1°38	18°58	16°43	26° 6	26°35	27°24	28°31	4°50	29° 8	29°25	9°46	0♒ 1	S 25
S 26	8 20 22	6° 2'27	8♌17	0°25	20° 7	17°29	26° 9	26°40	27°23	28°30	4°50	28°54	29°21	9°53	0° 6	S 26
M27	8 24 18	7° 3'20	21°51	29♉17	21°15	18°15	26°12	26°46	27°21	28°29	4°50	28°42	29°18	10° 0	0°11	M27
T 28	8 28 15	8° 4'12	5♍37	28°14	22°24	19° 1	26°15	26°52	27°19	28°28	4°50	28°31	29°15	10° 6	0°16	T 28
W29	8 32 11	9° 5'02	19°32	27°18	23°32	19°47	26°17	26°58	27°17	28°27	4°50	28°24	29°12	10°13	0°21	W29
T 30	8 36 8	10° 5'52	3♎33	26°29	24°40	20°33	26°19	27° 4	27°15	28°26	4°51	28°19	29° 9	10°20	0°26	T 30
F 31	8 40 5	11♒ 6'40	17♎36	25♉48	25♓48	21♉19	26♎21	27♓ 9	27♊14	28♍25	4♌51	28♈17	29♈ 6	10♌26	0♒31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 4	11n50	4n 0	22s20	1s42	16s16	1s44	24s 6	0s38	8s11	1n17	4s13	2s18	23n43	0n14	1n47	1n23	2s 9	16s14	12n 0	11n44	14n28	14s13	6n31
T 2	22 59	5 43	3 9	21 55	1 35	15 51	1 43	24 7	0 38	8 13	1 17	4 12	2 18	23 43	0 14	1 47	1 23	2 9	16 14	11 59	11 43	14 31	14 12	6 31
F 3	22 53	0s44	2 7	21 30	1 28	15 25	1 41	24 8	0 39	8 15	1 17	4 10	2 18	23 43	0 14	1 47	1 23	2 9	16 13	11 58	11 42	14 34	14 11	6 31
S 4	22 47	7 15	0 56	21 3	1 19	15 0	1 39	24 9	0 39	8 17	1 17	4 8	2 18	23 43	0 14	1 48	1 23	2 9	16 13	11 58	11 41	14 37	14 10	6 31
S 5	22 41	13 28	0s19	20 36	1 10	14 34	1 37	24 9	0 40	8 20	1 18	4 6	2 17	23 43	0 14	1 48	1 23	2 8	16 13	11 58	11 40	14 40	14 10	6 31
M 6	22 34	19 3	1 33	20 9	0 59	14 7	1 35	24 9	0 40	8 22	1 18	4 5	2 17	23 43	0 14	1 48	1 23	2 8	16 12	11 58	11 39	14 43	14 9	6 30
T 7	22 27	23 33	2 42	19 41	0 48	13 40	1 32	24 8	0 41	8 24	1 18	4 3	2 17	23 43	0 14	1 48	1 23	2 8	16 12	11 57	11 37	14 46	14 8	6 30
W 8	22 19	26 36	3 40	19 13	0 35	13 13	1 30	24 8	0 41	8 26	1 18	4 1	2 17	23 43	0 14	1 48	1 23	2 8	16 12	11 54	11 36	14 49	14 7	6 30
T 9	22 11	27 53	4 24	18 46	0 22	12 46	1 27	24 7	0 42	8 28	1 18	3 59	2 17	23 43	0 14	1 48	1 23	2 7	16 11	11 51	11 35	14 52	14 6	6 30
F 10	22 2	27 16	4 52	18 19	0 7	12 18	1 25	24 6	0 43	8 29	1 19	3 57	2 16	23 43	0 14	1 48	1 23	2 7	16 11	11 47	11 34	14 55	14 5	6 30
S 11	21 53	24 57	5 1	17 53	0n 8	11 50	1 22	24 4	0 43	8 31	1 19	3 55	2 16	23 43	0 14	1 49	1 23	2 7	16 11	11 43	11 33	14 58	14 4	6 30
S 12	21 43	21 13	4 52	17 29	0 25	11 22	1 19	24 3	0 44	8 33	1 19	3 53	2 16	23 43	0 14	1 49	1 23	2 7	16 10	11 38	11 32	15 1	14 3	6 30
M13	21 33	16 31	4 27	17 6	0 42	10 53	1 17	24 1	0 44	8 35	1 19	3 51	2 16	23 43	0 14	1 49	1 23	2 6	16 10	11 34	11 31	15 4	14 2	6 30
T 14	21 23	11 11	3 50	16 46	1 0	10 24	1 14	23 58	0 45	8 36	1 19	3 49	2 16	23 43	0 14	1 49	1 23	2 6	16 10	11 31	11 30	15 7	14 1	6 30
W15	21 12	5 33	3 2	16 28	1 18	9 55	1 11	23 56	0 45	8 38	1 20	3 47	2 16	23 43	0 14	1 50	1 23	2 6	16 9	11 29	11 29	15 10	14 0	6 30
T 16	21 1	0n10	2 6	16 13	1 36	9 26	1 7	23 53	0 46	8 39	1 20	3 45	2 15	23 43	0 14	1 50	1 24	2 5	16 9	11 28	11 27	15 13	13 59	6 30
F 17	20 49	5 47	1 6	16 1	1 54	8 56	1 4	23 50	0 46	8 41	1 20	3 43	2 15	23 43	0 14	1 50	1 24	2 5	16 9	11 27	11 26	15 16	13 58	6 30
S 18	20 37	11 8	0 4	15 53	2 12	8 27	1 1	23 47	0 47	8 42	1 20	3 41	2 15	23 43	0 14	1 50	1 24	2 5	16 8	11 27	11 25	15 19	13 57	6 30
S 19	20 25	16 3	0n58	15 48	2 29	7 57	0 57	23 43	0 47	8 43	1 21	3 38	2 15	23 42	0 14	1 51	1 24	2 4	16 8	11 27	11 24	15 22	13 56	6 30
M20	20 12	20 24	1 58	15 46	2 45	7 27	0 54	23 40	0 48	8 45	1 21	3 36	2 15	23 42	0 14	1 51	1 24	2 4	16 8	11 27	11 23	15 25	13 55	6 30
T 21	19 59	23 57	2 53	15 48	2 59	6 57	0 50	23 36	0 48	8 46	1 21	3 34	2 15	23 42	0 14	1 51	1 24	2 4	16 7	11 25	11 22	15 27	13 54	6 30
W22	19 46	26 30	3 41	15 53	3 12	6 26	0 46	23 31	0 49	8 47	1 21	3 32	2 14	23 42	0 14	1 52	1 24	2 3	16 7	11 23	11 21	15 30	13 53	6 30
T 23	19 32	27 49	4 20	16 0	3 22	5 56	0 43	23 27	0 49	8 48	1 22	3 29	2 14	23 42	0 14	1 52	1 24	2 3	16 6	11 20	11 20	15 33	13 52	6 30
F 24	19 18	27 43	4 47	16 9	3 30	5 25	0 39	23 22	0 50	8 49	1 22	3 27	2 14	23 42	0 14	1 52	1 24	2 3	16 6	11 16	11 18	15 36	13 51	6 30
S 25	19 3	26 5	4 59	16 21	3 35	4 55	0 35	23 17	0 50	8 50	1 22	3 25	2 14	23 42	0 14	1 53	1 24	2 2	16 6	11 11	11 17	15 39	13 50	6 30
S 26	18 48	23 0	4 56	16 34	3 38	4 24	0 31	23 11	0 51	8 51	1 22	3 22	2 14	23 42	0 14	1 53	1 24	2 2	16 5	11 7	11 16	15 42	13 49	6 30
M27	18 33	18 36	4 36	16 47	3 38	3 53	0 26	23 6	0 51	8 51	1 22	3 20	2 14	23 42	0 14	1 53	1 24	2 1	16 5	11 2	11 15	15 45	13 48	6 30
T 28	18 17	13 11	4 0	17 2	3 36	3 22	0 22	23 0	0 52	8 52	1 23	3 17	2 14	23 42	0 14	1 54	1 24	2 1	16 5	10 58	11 14	15 48	13 47	6 30
W29	18 1	7 3	3 10	17 16	3 32	2 51	0 18	22 54	0 52	8 53	1 23	3 15	2 13	23 42	0 14	1 54	1 24	2 1	16 4	10 56	11 13	15 51	13 46	6 30
T 30	17 45	0 32	2 7	17 31	3 27	2 20	0 14	22 47	0 53	8 53	1 23	3 13	2 13	23 42	0 14	1 55	1 24	2 0	16 4	10 54	11 12	15 54	13 45	6 30
F 31	17s29	6s 3	0n56	17s46	3n19	1s49	0s 9	22s41	0s53	8s54	1n23	3s10	2s13	23n42	0n14	1n55	1n24	2s 0	16s 4	10n53	11n11	15n57	13s44	6n30

Julian Day Number = 2310561.5, Delta T = 72.41 sec
Ecliptic obliquity = 23°29'29, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'11, Lahiri = 18°28'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

FEBRUARY 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 44 1	12♒ 7'28	1♏41	25°R16	26♓56	22♑ 6	26♎23	27♓15	27°R12	28°R24	4♉51	28°D17	29♈ 2	10♉33	0♒36	S 1
S 2	8 47 58	13° 8'15	15°46	24♑53	28° 3	22°52	26°25	27°22	27♊11	28♍23	4°52	28°R17	28°59	10°40	0°41	S 2
M 3	8 51 54	14° 9'01	29°51	24°37	29°10	23°38	26°26	27°28	27° 9	28°22	4°52	28♈16	28°56	10°46	0°46	M 3
T 4	8 55 51	15° 9'46	13♐54	24°29	0♈17	24°24	26°27	27°34	27° 8	28°21	4°52	28°13	28°53	10°53	0°51	T 4
W 5	8 59 47	16°10'30	27°55	24°D29	1°24	25°11	26°28	27°40	27° 6	28°20	4°53	28° 7	28°50	11° 0	0°56	W 5
T 6	9 3 44	17°11'12	11♑50	24°36	2°31	25°57	26°29	27°46	27° 5	28°19	4°53	27°59	28°46	11° 6	1° 1	T 6
F 7	9 7 41	18°11'54	25°38	24°50	3°37	26°44	26°30	27°53	27° 3	28°18	4°53	27°48	28°43	11°13	1° 5	F 7
S 8	9 11 37	19°12'34	9♒13	25° 9	4°43	27°30	26°30	27°59	27° 2	28°16	4°54	27°36	28°40	11°19	1°10	S 8
S 9	9 15 34	20°13'13	22°34	25°35	5°49	28°16	26°31	28° 6	27° 1	28°15	4°54	27°24	28°37	11°26	1°15	S 9
M10	9 19 30	21°13'50	5♓38	26° 5	6°55	29° 3	26°R31	28°12	27° 0	28°14	4°55	27°13	28°34	11°33	1°20	M10
T 11	9 23 27	22°14'26	18°23	26°41	8° 0	29°49	26°31	28°19	26°58	28°13	4°55	27° 5	28°31	11°39	1°25	T 11
W12	9 27 23	23°14'59	0♈51	27°20	9° 5	0♒36	26°30	28°25	26°57	28°11	4°56	26°59	28°27	11°46	1°30	W12
T 13	9 31 20	24°15'31	13° 3	28° 4	10°10	1°22	26°30	28°32	26°56	28°10	4°56	26°56	28°24	11°53	1°34	T 13
F 14	9 35 16	25°16'02	25° 2	28°52	11°14	2° 9	26°29	28°38	26°55	28° 9	4°57	26°D54	28°21	11°59	1°39	F 14
S 15	9 39 13	26°16'30	6♉53	29°44	12°19	2°55	26°28	28°45	26°54	28° 7	4°57	26°55	28°18	12° 6	1°44	S 15
S 16	9 43 9	27°16'57	18°41	0♒38	13°22	3°42	26°27	28°52	26°53	28° 6	4°58	26°56	28°15	12°13	1°48	S 16
M17	9 47 6	28°17'22	0♊31	1°35	14°26	4°28	26°26	28°59	26°52	28° 5	4°59	26°R56	28°12	12°19	1°53	M17
T 18	9 51 3	29°17'45	12°28	2°36	15°29	5°15	26°25	29° 6	26°52	28° 3	4°59	26°55	28° 8	12°26	1°58	T 18
W19	9 54 59	0♓18'06	24°38	3°38	16°32	6° 2	26°23	29°12	26°51	28° 2	5° 0	26°52	28° 5	12°33	2° 2	W19
T 20	9 58 56	1°18'25	7♋ 6	4°44	17°35	6°48	26°21	29°19	26°50	28° 1	5° 1	26°46	28° 2	12°39	2° 7	T 20
F 21	10 2 52	2°18'42	19°54	5°51	18°37	7°35	26°19	29°26	26°49	27°59	5° 1	26°39	27°59	12°46	2°11	F 21
S 22	10 6 49	3°18'57	3♌ 4	7° 1	19°39	8°22	26°17	29°33	26°49	27°58	5° 2	26°30	27°56	12°53	2°16	S 22
S 23	10 10 45	4°19'10	16°37	8°12	20°40	9° 8	26°15	29°40	26°48	27°56	5° 3	26°21	27°52	12°59	2°20	S 23
M24	10 14 42	5°19'21	0♍31	9°25	21°41	9°55	26°12	29°47	26°48	27°55	5° 4	26°12	27°49	13° 6	2°25	M24
T 25	10 18 38	6°19'30	14°42	10°41	22°42	10°42	26°10	29°55	26°47	27°53	5° 4	26° 5	27°46	13°12	2°29	T 25
W26	10 22 35	7°19'38	29° 4	11°57	23°42	11°28	26° 7	0♈ 2	26°47	27°52	5° 5	26° 0	27°43	13°19	2°33	W26
T 27	10 26 32	8°19'44	13♎32	13°16	24°41	12°15	26° 4	0° 9	26°46	27°50	5° 6	25°57	27°40	13°26	2°38	T 27
F 28	10 30 28	9♓19'48	27♎59	14♒36	25♈41	13♒ 2	26♎ 1	0♈16	26♊46	27♍49	5♉ 7	25°D56	27♈37	13♉32	2♒42	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s12	12s22	0s18	18s 0	3n11	1s18	0s 4	22s34	0s54	8s54	1n24	3s 8	2s13	23n42	0n14	1n56	1n24	1s59	16s 3	10n53	11n 9	16n 0	13s43	6n30
S 2	16 55	18 3	1 31	18 14	3 1	0 47	0n 0	22 27	0 54	8 55	1 24	3 5	2 13	23 42	0 14	1 56	1 24	1 59	16 3	10 53	11 8	16 3	13 42	6 30
M 3	16 37	22 45	2 39	18 27	2 51	0 15	0 5	22 19	0 55	8 55	1 24	3 2	2 13	23 42	0 14	1 56	1 24	1 59	16 3	10 53	11 7	16 6	13 40	6 30
T 4	16 19	26 6	3 37	18 39	2 40	0n16	0 10	22 11	0 55	8 55	1 24	3 0	2 13	23 42	0 14	1 57	1 24	1 58	16 2	10 52	11 6	16 8	13 39	6 30
W 5	16 1	27 50	4 21	18 50	2 29	0 47	0 15	22 4	0 56	8 55	1 25	2 57	2 12	23 42	0 14	1 57	1 24	1 58	16 2	10 50	11 5	16 11	13 38	6 31
T 6	15 43	27 47	4 50	19 0	2 17	1 18	0 19	21 55	0 56	8 55	1 25	2 55	2 12	23 42	0 14	1 58	1 25	1 57	16 2	10 47	11 4	16 14	13 37	6 31
F 7	15 25	26 0	5 2	19 10	2 5	1 49	0 24	21 47	0 57	8 55	1 25	2 52	2 12	23 42	0 14	1 58	1 25	1 57	16 1	10 43	11 3	16 17	13 36	6 31
S 8	15 6	22 44	4 56	19 18	1 53	2 20	0 30	21 38	0 57	8 55	1 25	2 49	2 12	23 42	0 14	1 59	1 25	1 56	16 1	10 39	11 1	16 20	13 35	6 31
S 9	14 47	18 20	4 34	19 25	1 41	2 51	0 35	21 30	0 58	8 55	1 26	2 47	2 12	23 42	0 14	1 59	1 25	1 56	16 1	10 34	11 0	16 23	13 34	6 31
M10	14 27	13 9	3 58	19 31	1 29	3 22	0 40	21 20	0 58	8 55	1 26	2 44	2 12	23 42	0 14	2 0	1 25	1 55	16 0	10 30	10 59	16 26	13 33	6 31
T 11	14 8	7 31	3 10	19 36	1 17	3 52	0 45	21 11	0 58	8 55	1 26	2 41	2 12	23 42	0 14	2 0	1 25	1 55	16 0	10 27	10 58	16 29	13 31	6 31
W12	13 48	1 43	2 14	19 40	1 5	4 23	0 51	21 2	0 59	8 54	1 26	2 39	2 12	23 42	0 14	2 1	1 25	1 54	16 0	10 25	10 57	16 32	13 30	6 31
T 13	13 28	4n 2	1 13	19 43	0 54	4 53	0 56	20 52	0 59	8 54	1 26	2 36	2 12	23 42	0 14	2 2	1 25	1 54	15 59	10 24	10 56	16 35	13 29	6 32
F 14	13 8	9 33	0 10	19 44	0 42	5 24	1 1	20 42	1 0	8 54	1 27	2 33	2 11	23 42	0 14	2 2	1 25	1 53	15 59	10 24	10 55	16 37	13 28	6 32
S 15	12 47	14 41	0n53	19 44	0 31	5 54	1 7	20 31	1 0	8 53	1 27	2 30	2 11	23 42	0 14	2 3	1 25	1 53	15 59	10 24	10 54	16 40	13 27	6 32
S 16	12 27	19 15	1 54	19 43	0 21	6 24	1 12	20 21	1 1	8 53	1 27	2 28	2 11	23 42	0 14	2 3	1 25	1 52	15 58	10 24	10 52	16 43	13 25	6 32
M17	12 6	23 4	2 50	19 41	0 10	6 54	1 18	20 10	1 1	8 52	1 27	2 25	2 11	23 42	0 14	2 4	1 25	1 52	15 58	10 24	10 51	16 46	13 24	6 32
T 18	11 45	25 58	3 39	19 37	0 0	7 24	1 24	19 59	1 1	8 51	1 28	2 22	2 11	23 42	0 14	2 4	1 25	1 51	15 58	10 24	10 50	16 49	13 23	6 33
W19	11 23	27 42	4 19	19 32	0s10	7 53	1 29	19 48	1 2	8 50	1 28	2 19	2 11	23 42	0 14	2 5	1 25	1 51	15 57	10 23	10 49	16 52	13 22	6 33
T 20	11 2	28 6	4 48	19 26	0 19	8 23	1 35	19 37	1 2	8 50	1 28	2 16	2 11	23 42	0 14	2 6	1 25	1 50	15 57	10 21	10 48	16 55	13 21	6 33
F 21	10 40	27 1	5 4	19 18	0 28	8 52	1 41	19 25	1 3	8 49	1 28	2 13	2 11	23 41	0 14	2 6	1 25	1 50	15 57	10 18	10 47	16 57	13 20	6 33
S 22	10 19	24 26	5 4	19 9	0 37	9 21	1 47	19 14	1 3	8 48	1 28	2 11	2 11	23 41	0 14	2 7	1 25	1 49	15 56	10 15	10 46	17 0	13 18	6 33
S 23	9 57	20 27	4 47	18 59	0 45	9 50	1 53	19 2	1 3	8 47	1 29	2 8	2 11	23 41	0 14	2 7	1 25	1 49	15 56	10 11	10 44	17 3	13 17	6 34
M24	9 35	15 16	4 13	18 48	0 54	10 18	1 58	18 50	1 4	8 46	1 29	2 5	2 11	23 41	0 14	2 8	1 25	1 48	15 56	10 8	10 43	17 6	13 16	6 34
T 25	9 13	9 10	3 23	18 35	1 1	10 46	2 4	18 37	1 4	8 44	1 29	2 2	2 11	23 41	0 14	2 9	1 25	1 48	15 55	10 6	10 42	17 9	13 15	6 34
W26	8 50	2 31	2 20	18 21	1 9	11 14	2 10	18 25	1 4	8 43	1 29	1 59	2 11	23 41	0 14	2 9	1 25	1 47	15 55	10 4	10 41	17 12	13 14	6 34
T 27	8 28	4s20	1 7	18 5	1 16	11 42	2 16	18 12	1 5	8 42	1 30	1 56	2 11	23 41	0 14	2 10	1 25	1 47	15 55	10 3	10 40	17 14	13 12	6 35
F 28	8s 5	10s57	0s11	17s48	1s23	12n 9	2n22	17s59	1s 5	8s40	1n30	1s53	2s10	23n41	0n14	2n11	1n25	1s46	15s55	10n 3	10n39	17n17	13s11	6n35

Julian Day Number = 2310592.5, Delta T = 72.32 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'15, Lahiri = 18°28'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

MARCH 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 34 25	10♓19'50	12♏23	15♒57	26♈39	13♒49	25°R57	0♈23	26°R46	27°R47	5♉ 8	25♈57	27♈33	13♉39	2♒46	S 1
S 2	10 38 21	11°19'51	26°40	17°20	27°38	14°35	25♎54	0°30	26♊46	27♍45	5° 8	25°58	27°30	13°46	2°51	S 2
M 3	10 42 18	12°19'50	10♐47	18°45	28°36	15°22	25°50	0°38	26°46	27°44	5° 9	25°R59	27°27	13°52	2°55	M 3
T 4	10 46 14	13°19'48	24°44	20°10	29°33	16° 9	25°46	0°45	26°45	27°42	5°10	25°59	27°24	13°59	2°59	T 4
W 5	10 50 11	14°19'44	8♑29	21°37	0♉30	16°56	25°42	0°52	26°D45	27°41	5°11	25°56	27°21	14° 6	3° 3	W 5
T 6	10 54 7	15°19'39	22° 4	23° 6	1°26	17°43	25°38	1° 0	26°45	27°39	5°12	25°52	27°17	14°12	3° 7	T 6
F 7	10 58 4	16°19'32	5♒26	24°35	2°22	18°29	25°33	1° 7	26°46	27°37	5°13	25°46	27°14	14°19	3°11	F 7
S 8	11 2 1	17°19'23	18°36	26° 6	3°17	19°16	25°29	1°14	26°46	27°36	5°14	25°39	27°11	14°26	3°15	S 8
S 9	11 5 57	18°19'12	1♓33	27°38	4°11	20° 3	25°24	1°22	26°46	27°34	5°15	25°33	27° 8	14°32	3°19	S 9
M10	11 9 54	19°18'59	14°16	29°12	5° 5	20°50	25°19	1°29	26°46	27°33	5°16	25°27	27° 5	14°39	3°23	M10
T 11	11 13 50	20°18'44	26°45	0♈47	5°58	21°37	25°14	1°37	26°46	27°31	5°17	25°22	27° 2	14°46	3°27	T 11
W12	11 17 47	21°18'27	9♈ 2	2°22	6°51	22°24	25° 9	1°44	26°47	27°29	5°18	25°19	26°58	14°52	3°31	W12
T 13	11 21 43	22°18'08	21° 7	4° 0	7°42	23°10	25° 3	1°51	26°47	27°28	5°19	25°D17	26°55	14°59	3°34	T 13
F 14	11 25 40	23°17'46	3♉ 3	5°38	8°34	23°57	24°58	1°59	26°48	27°26	5°20	25°18	26°52	15° 6	3°38	F 14
S 15	11 29 36	24°17'23	14°52	7°18	9°24	24°44	24°52	2° 6	26°48	27°24	5°21	25°19	26°49	15°12	3°42	S 15
S 16	11 33 33	25°16'57	26°40	8°59	10°13	25°31	24°47	2°14	26°49	27°23	5°22	25°21	26°46	15°19	3°45	S 16
M17	11 37 30	26°16'29	8♊30	10°41	11° 2	26°18	24°41	2°21	26°49	27°21	5°23	25°22	26°43	15°26	3°49	M17
T 18	11 41 26	27°15'59	20°26	12°24	11°50	27° 5	24°35	2°29	26°50	27°19	5°24	25°24	26°39	15°32	3°52	T 18
W19	11 45 23	28°15'27	2♋35	14° 9	12°37	27°51	24°29	2°36	26°51	27°18	5°25	25°R24	26°36	15°39	3°56	W19
T 20	11 49 19	29°14'52	15° 0	15°55	13°23	28°38	24°22	2°44	26°51	27°16	5°27	25°23	26°33	15°45	3°59	T 20
F 21	11 53 16	0♈14'15	27°47	17°42	14° 8	29°25	24°16	2°51	26°52	27°14	5°28	25°20	26°30	15°52	4° 2	F 21
S 22	11 57 12	1°13'36	10♌57	19°31	14°52	0♓12	24°10	2°59	26°53	27°13	5°29	25°17	26°27	15°59	4° 6	S 22
S 23	12 1 9	2°12'54	24°34	21°21	15°35	0°59	24° 3	3° 7	26°54	27°11	5°30	25°14	26°23	16° 5	4° 9	S 23
M24	12 5 5	3°12'10	8♍35	23°12	16°17	1°45	23°56	3°14	26°55	27° 9	5°31	25°11	26°20	16°12	4°12	M24
T 25	12 9 2	4°11'24	22°59	25° 5	16°58	2°32	23°49	3°22	26°56	27° 8	5°32	25° 8	26°17	16°19	4°15	T 25
W26	12 12 59	5°10'35	7♎41	26°59	17°38	3°19	23°43	3°29	26°57	27° 6	5°34	25° 6	26°14	16°25	4°18	W26
T 27	12 16 55	6° 9'45	22°32	28°55	18°17	4° 6	23°36	3°37	26°58	27° 5	5°35	25°D 6	26°11	16°32	4°21	T 27
F 28	12 20 52	7° 8'52	7♏26	0♈51	18°54	4°53	23°29	3°44	26°59	27° 3	5°36	25° 6	26° 8	16°39	4°24	F 28
S 29	12 24 48	8° 7'58	22°15	2°49	19°30	5°39	23°22	3°52	27° 1	27° 1	5°37	25° 7	26° 4	16°45	4°27	S 29
S 30	12 28 45	9° 7'02	6♐52	4°49	20° 5	6°26	23°14	3°59	27° 2	27° 0	5°38	25° 8	26° 1	16°52	4°30	S 30
M31	12 32 41	10♈ 6'04	21♐14	6♈49	20♉38	7♓13	23♎ 7	4♈ 7	27♊ 3	26♍58	5♉40	25♈ 9	25♈58	16♉59	4♒33	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s43	16s59	1s28	17s30	1s29	12n36	2n28	17s46	1s 6	8s39	1n30	1s50	2s10	23n41	0n14	2n11	1n25	1s46	15s54	10n 3	10n38	17n20	13s10	6n35
S 2	7 20	22 1	2 38	17 11	1 35	13 3	2 34	17 32	1 6	8 38	1 30	1 47	2 10	23 41	0 14	2 12	1 25	1 45	15 54	10 3	10 36	17 23	13 9	6 35
M 3	6 57	25 43	3 39	16 50	1 40	13 30	2 40	17 19	1 6	8 36	1 30	1 44	2 10	23 41	0 14	2 12	1 25	1 45	15 54	10 4	10 35	17 26	13 8	6 36
T 4	6 34	27 48	4 25	16 28	1 46	13 56	2 46	17 5	1 6	8 34	1 30	1 42	2 10	23 41	0 14	2 13	1 25	1 44	15 53	10 3	10 34	17 29	13 6	6 36
W 5	6 11	28 8	4 56	16 4	1 50	14 22	2 53	16 51	1 7	8 33	1 31	1 39	2 10	23 41	0 14	2 14	1 25	1 44	15 53	10 2	10 33	17 31	13 5	6 36
T 6	5 48	26 46	5 9	15 39	1 55	14 47	2 59	16 37	1 7	8 31	1 31	1 36	2 10	23 41	0 14	2 14	1 25	1 43	15 53	10 1	10 32	17 34	13 4	6 36
F 7	5 24	23 53	5 5	15 13	1 59	15 12	3 5	16 23	1 7	8 29	1 31	1 33	2 10	23 41	0 14	2 15	1 25	1 42	15 53	9 59	10 31	17 37	13 3	6 37
S 8	5 1	19 48	4 46	14 46	2 2	15 37	3 11	16 9	1 8	8 27	1 31	1 30	2 10	23 41	0 14	2 16	1 25	1 42	15 52	9 56	10 30	17 40	13 2	6 37
S 9	4 38	14 51	4 11	14 17	2 6	16 2	3 17	15 54	1 8	8 26	1 31	1 27	2 10	23 41	0 14	2 16	1 25	1 41	15 52	9 54	10 28	17 43	13 1	6 37
M10	4 14	9 21	3 25	13 47	2 8	16 26	3 23	15 40	1 8	8 24	1 32	1 24	2 10	23 41	0 14	2 17	1 25	1 41	15 52	9 52	10 27	17 45	12 59	6 38
T 11	3 51	3 35	2 29	13 15	2 11	16 49	3 29	15 25	1 9	8 22	1 32	1 21	2 10	23 41	0 14	2 18	1 25	1 40	15 52	9 50	10 26	17 48	12 58	6 38
W12	3 27	2n15	1 28	12 43	2 13	17 13	3 35	15 10	1 9	8 20	1 32	1 18	2 10	23 41	0 14	2 18	1 25	1 40	15 51	9 49	10 25	17 51	12 57	6 38
T 13	3 4	7 54	0 23	12 9	2 14	17 35	3 41	14 55	1 9	8 18	1 32	1 15	2 10	23 41	0 14	2 19	1 25	1 39	15 51	9 48	10 24	17 54	12 56	6 39
F 14	2 40	13 13	0n42	11 34	2 15	17 58	3 47	14 39	1 9	8 15	1 32	1 12	2 10	23 41	0 14	2 20	1 25	1 39	15 51	9 48	10 23	17 56	12 55	6 39
S 15	2 16	18 1	1 45	10 57	2 16	18 20	3 53	14 24	1 10	8 13	1 32	1 9	2 10	23 41	0 14	2 20	1 26	1 38	15 51	9 49	10 22	17 59	12 54	6 39
S 16	1 53	22 6	2 44	10 19	2 16	18 41	3 59	14 8	1 10	8 11	1 32	1 6	2 10	23 41	0 14	2 21	1 26	1 37	15 50	9 49	10 20	18 2	12 52	6 40
M17	1 29	25 19	3 35	9 40	2 16	19 3	4 5	13 53	1 10	8 9	1 33	1 3	2 10	23 41	0 14	2 22	1 26	1 37	15 50	9 50	10 19	18 5	12 51	6 40
T 18	1 5	27 26	4 18	9 0	2 15	19 23	4 11	13 37	1 10	8 6	1 33	1 0	2 10	23 41	0 14	2 22	1 26	1 36	15 50	9 51	10 18	18 7	12 50	6 40
W19	0 42	28 18	4 50	8 18	2 14	19 43	4 16	13 21	1 11	8 4	1 33	0 57	2 10	23 41	0 14	2 23	1 26	1 36	15 50	9 51	10 17	18 10	12 49	6 41
T 20	0 18	27 46	5 9	7 35	2 12	20 3	4 22	13 5	1 11	8 2	1 33	0 54	2 10	23 41	0 14	2 24	1 26	1 35	15 49	9 50	10 16	18 13	12 48	6 41
F 21	0n 6	25 47	5 14	6 51	2 10	20 22	4 28	12 49	1 11	7 59	1 33	0 51	2 10	23 41	0 14	2 24	1 26	1 35	15 49	9 49	10 15	18 16	12 47	6 42
S 22	0 29	22 22	5 3	6 6	2 7	20 41	4 33	12 32	1 11	7 57	1 33	0 48	2 10	23 41	0 14	2 25	1 26	1 34	15 49	9 48	10 14	18 18	12 46	6 42
S 23	0 53	17 40	4 34	5 20	2 4	20 59	4 39	12 16	1 11	7 54	1 33	0 45	2 10	23 42	0 14	2 26	1 26	1 34	15 49	9 47	10 12	18 21	12 44	6 42
M24	1 17	11 54	3 49	4 32	2 0	21 17	4 44	11 59	1 12	7 52	1 33	0 42	2 10	23 42	0 14	2 26	1 26	1 33	15 49	9 46	10 11	18 24	12 43	6 43
T 25	1 40	5 22	2 48	3 44	1 56	21 34	4 50	11 43	1 12	7 49	1 33	0 39	2 10	23 42	0 14	2 27	1 26	1 32	15 48	9 45	10 10	18 27	12 42	6 43
W26	2 4	1s36	1 35	2 54	1 51	21 50	4 55	11 26	1 12	7 46	1 34	0 36	2 10	23 42	0 14	2 28	1 26	1 32	15 48	9 44	10 9	18 29	12 41	6 43
T 27	2 27	8 34	0 14	2 3	1 46	22 6	5 0	11 9	1 12	7 44	1 34	0 33	2 10	23 42	0 14	2 28	1 26	1 31	15 48	9 44	10 8	18 32	12 40	6 44
F 28	2 51	15 5	1s 8	1 11	1 40	22 22	5 5	10 52	1 12	7 41	1 34	0 30	2 10	23 42	0 14	2 29	1 26	1 31	15 48	9 44	10 7	18 35	12 39	6 44
S 29	3 14	20 42	2 25	0 18	1 34	22 37	5 10	10 35	1 12	7 38	1 34	0 27	2 10	23 42	0 14	2 30	1 26	1 30	15 48	9 44	10 5	18 38	12 38	6 45
S 30	3 37	24 58	3 31	0n35	1 27	22 51	5 15	10 18	1 13	7 36	1 34	0 24	2 10	23 42	0 14	2 30	1 26	1 30	15 48	9 45	10 4	18 40	12 37	6 45
M31	4n 1	27s34	4s23	1n30	1s19	23n 5	5n19	10s 0	1s13	7s33	1n34	0s21	2s10	23n42	0n14	2n31	1n26	1s29	15s47	9n45	10n 3	18n43	12s36	6n46

Julian Day Number = 2310620.5, Delta T = 72.24 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'19, Lahiri = 18°28'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

APRIL 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 36 38	11♈ 5'05	5♉17	8♈51	21♉10	8♓ 0	23°R 0	4♈14	27♊ 5	26°R56	5♉41	25°R10	25♈55	17♉ 5	4♒36	T 1
W 2	12 40 34	12° 4'04	19° 1	10°54	21°40	8°46	22♎52	4°22	27° 6	26♍55	5°42	25♈10	25°52	17°12	4°38	W 2
T 3	12 44 31	13° 3'01	2♒26	12°58	22° 9	9°33	22°45	4°29	27° 7	26°53	5°43	25° 9	25°49	17°19	4°41	T 3
F 4	12 48 28	14° 1'56	15°33	15° 2	22°37	10°20	22°37	4°37	27° 9	26°52	5°45	25° 8	25°45	17°25	4°43	F 4
S 5	12 52 24	15° 0'49	28°24	17° 7	23° 2	11° 7	22°30	4°44	27°11	26°50	5°46	25° 7	25°42	17°32	4°46	S 5
S 6	12 56 21	15°59'41	11♓ 0	19°13	23°26	11°53	22°22	4°52	27°12	26°49	5°47	25° 5	25°39	17°39	4°48	S 6
M 7	13 0 17	16°58'30	23°24	21°19	23°48	12°40	22°15	4°59	27°14	26°47	5°49	25° 4	25°36	17°45	4°51	M 7
T 8	13 4 14	17°57'18	5♈37	23°25	24° 9	13°26	22° 7	5° 6	27°16	26°46	5°50	25° 3	25°33	17°52	4°53	T 8
W 9	13 8 10	18°56'04	17°41	25°31	24°27	14°13	21°59	5°14	27°17	26°44	5°51	25° 3	25°29	17°59	4°55	W 9
T 10	13 12 7	19°54'48	29°37	27°37	24°43	15° 0	21°52	5°21	27°19	26°43	5°53	25°D 3	25°26	18° 5	4°57	T 10
F 11	13 16 3	20°53'30	11♉28	29°41	24°58	15°46	21°44	5°29	27°21	26°41	5°54	25° 3	25°23	18°12	5° 0	F 11
S 12	13 20 0	21°52'09	23°16	1♉45	25°10	16°33	21°36	5°36	27°23	26°40	5°55	25° 4	25°20	18°19	5° 2	S 12
S 13	13 23 56	22°50'47	5♊ 4	3°47	25°20	17°19	21°29	5°43	27°25	26°38	5°56	25° 4	25°17	18°25	5° 4	S 13
M14	13 27 53	23°49'23	16°55	5°47	25°28	18° 6	21°21	5°50	27°27	26°37	5°58	25° 4	25°14	18°32	5° 5	M14
T 15	13 31 50	24°47'56	28°53	7°45	25°34	18°52	21°13	5°58	27°29	26°35	5°59	25°R 4	25°10	18°38	5° 7	T 15
W16	13 35 46	25°46'28	11♋ 1	9°41	25°38	19°39	21° 6	6° 5	27°31	26°34	6° 1	25° 4	25° 7	18°45	5° 9	W16
T 17	13 39 43	26°44'57	23°24	11°33	25°R39	20°25	20°58	6°12	27°33	26°32	6° 2	25°D 4	25° 4	18°52	5°11	T 17
F 18	13 43 39	27°43'24	6♌ 6	13°23	25°37	21°12	20°50	6°19	27°35	26°31	6° 3	25° 4	25° 1	18°58	5°12	F 18
S 19	13 47 36	28°41'49	19°11	15°10	25°33	21°58	20°43	6°27	27°37	26°30	6° 5	25° 4	24°58	19° 5	5°14	S 19
S 20	13 51 32	29°40'11	2♍42	16°53	25°27	22°45	20°35	6°34	27°40	26°28	6° 6	25° 5	24°55	19°12	5°16	S 20
M21	13 55 29	0♉38'32	16°39	18°33	25°19	23°31	20°28	6°41	27°42	26°27	6° 7	25° 5	24°51	19°18	5°17	M21
T 22	13 59 25	1°36'50	1♎ 3	20° 8	25° 7	24°17	20°20	6°48	27°44	26°26	6° 9	25° 6	24°48	19°25	5°18	T 22
W23	14 3 22	2°35'06	15°49	21°40	24°54	25° 3	20°13	6°55	27°47	26°24	6°10	25° 6	24°45	19°32	5°20	W23
T 24	14 7 19	3°33'21	0♏51	23° 7	24°38	25°50	20° 6	7° 2	27°49	26°23	6°11	25°R 6	24°42	19°38	5°21	T 24
F 25	14 11 15	4°31'33	16° 1	24°30	24°19	26°36	19°58	7° 9	27°51	26°22	6°13	25° 6	24°39	19°45	5°22	F 25
S 26	14 15 12	5°29'44	1♐10	25°49	23°58	27°22	19°51	7°16	27°54	26°21	6°14	25° 5	24°35	19°52	5°23	S 26
S 27	14 19 8	6°27'54	16° 8	27° 4	23°35	28° 8	19°44	7°23	27°56	26°20	6°15	25° 4	24°32	19°58	5°24	S 27
M28	14 23 5	7°26'02	0♑48	28°14	23°10	28°54	19°37	7°30	27°59	26°18	6°17	25° 2	24°29	20° 5	5°25	M28
T 29	14 27 1	8°24'09	15° 5	29°19	22°43	29°41	19°30	7°37	28° 2	26°17	6°18	25° 1	24°26	20°12	5°26	T 29
W30	14 30 58	9♑22'14	28♑56	0♊20	22♉14	0♈27	19♎23	7♈44	28♊ 4	26♍16	6♉20	25♈ 0	24♈23	20♉18	5♒27	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n24	28 s21	4 s58	2n25	1 s12	23n18	5n24	9 s43	1 s13	7 s30	1n34	0 s18	2 s10	23n42	0n14	2n32	1n26	1 s29	15 s47	9n45	10n 2	18n46	12 s35	6n46
W 2	4 47	27 20	5 15	3 21	1 3	23 30	5 28	9 26	1 13	7 28	1 34	0 15	2 10	23 42	0 14	2 32	1 26	1 28	15 47	9 45	10 1	18 48	12 34	6 46
T 3	5 10	24 45	5 14	4 18	0 55	23 42	5 32	9 8	1 13	7 25	1 34	0 12	2 10	23 42	0 14	2 33	1 26	1 28	15 47	9 45	10 0	18 51	12 33	6 47
F 4	5 33	20 56	4 57	5 14	0 45	23 53	5 36	8 50	1 13	7 22	1 34	0 10	2 10	23 42	0 14	2 33	1 26	1 27	15 47	9 45	9 58	18 54	12 32	6 47
S 5	5 56	16 12	4 25	6 11	0 36	24 3	5 40	8 33	1 13	7 19	1 34	0 7	2 10	23 42	0 14	2 34	1 26	1 27	15 47	9 44	9 57	18 56	12 31	6 48
S 6	6 18	10 51	3 41	7 9	0 26	24 13	5 44	8 15	1 13	7 16	1 34	0 4	2 11	23 42	0 14	2 35	1 26	1 26	15 47	9 44	9 56	18 59	12 30	6 48
M 7	6 41	5 11	2 47	8 6	0 15	24 22	5 47	7 57	1 13	7 13	1 34	0 1	2 11	23 42	0 14	2 35	1 26	1 25	15 46	9 43	9 55	19 2	12 29	6 49
T 8	7 4	0n37	1 46	9 3	0 5	24 30	5 50	7 39	1 14	7 11	1 34	0n 2	2 11	23 42	0 14	2 36	1 26	1 25	15 46	9 43	9 54	19 4	12 28	6 49
W 9	7 26	6 19	0 41	9 59	0n 6	24 37	5 53	7 21	1 14	7 8	1 34	0 5	2 11	23 42	0 14	2 37	1 26	1 24	15 46	9 43	9 53	19 7	12 27	6 49
T 10	7 48	11 45	0n25	10 55	0 17	24 44	5 55	7 3	1 14	7 5	1 34	0 8	2 11	23 42	0 14	2 37	1 25	1 24	15 46	9 43	9 52	19 10	12 26	6 50
F 11	8 10	16 44	1 30	11 49	0 28	24 49	5 57	6 45	1 14	7 2	1 34	0 11	2 11	23 42	0 14	2 38	1 25	1 23	15 46	9 43	9 50	19 12	12 25	6 50
S 12	8 32	21 4	2 30	12 43	0 39	24 54	5 59	6 27	1 14	6 59	1 34	0 13	2 11	23 42	0 14	2 38	1 25	1 23	15 46	9 43	9 49	19 15	12 24	6 51
S 13	8 54	24 33	3 25	13 35	0 50	24 58	6 1	6 9	1 14	6 56	1 34	0 16	2 11	23 42	0 14	2 39	1 25	1 22	15 46	9 43	9 48	19 18	12 23	6 51
M14	9 16	27 0	4 10	14 26	1 1	25 1	6 2	5 51	1 14	6 54	1 34	0 19	2 11	23 42	0 14	2 39	1 25	1 22	15 46	9 43	9 47	19 20	12 22	6 52
T 15	9 37	28 14	4 45	15 15	1 12	25 4	6 3	5 33	1 14	6 51	1 34	0 22	2 11	23 42	0 14	2 40	1 25	1 21	15 46	9 43	9 46	19 23	12 21	6 52
W16	9 59	28 9	5 8	16 2	1 22	25 5	6 3	5 14	1 14	6 48	1 34	0 25	2 11	23 42	0 14	2 40	1 25	1 21	15 46	9 43	9 45	19 26	12 21	6 53
T 17	10 20	26 40	5 18	16 47	1 32	25 5	6 3	4 56	1 14	6 45	1 34	0 28	2 11	23 42	0 14	2 41	1 25	1 20	15 45	9 43	9 43	19 28	12 20	6 53
F 18	10 41	23 49	5 12	17 30	1 41	25 4	6 3	4 38	1 14	6 42	1 34	0 30	2 11	23 42	0 14	2 42	1 25	1 20	15 45	9 43	9 42	19 31	12 19	6 54
S 19	11 2	19 41	4 50	18 11	1 50	25 2	6 2	4 19	1 14	6 40	1 34	0 33	2 12	23 42	0 14	2 42	1 25	1 19	15 45	9 43	9 41	19 33	12 18	6 54
S 20	11 23	14 27	4 12	18 49	1 59	24 59	6 0	4 1	1 14	6 37	1 34	0 36	2 12	23 42	0 14	2 43	1 25	1 19	15 45	9 44	9 40	19 36	12 17	6 55
M21	11 43	8 19	3 18	19 24	2 6	24 55	5 58	3 43	1 14	6 34	1 33	0 39	2 12	23 42	0 14	2 43	1 25	1 19	15 45	9 44	9 39	19 39	12 16	6 55
T 22	12 4	1 34	2 10	19 57	2 13	24 50	5 55	3 24	1 14	6 31	1 33	0 41	2 12	23 42	0 14	2 44	1 25	1 18	15 45	9 44	9 38	19 41	12 16	6 56
W23	12 24	5 s27	0 51	20 28	2 20	24 43	5 52	3 6	1 14	6 29	1 33	0 44	2 12	23 43	0 14	2 44	1 25	1 18	15 45	9 44	9 36	19 44	12 15	6 56
T 24	12 44	12 17	0 s32	20 56	2 25	24 35	5 48	2 47	1 14	6 26	1 33	0 47	2 12	23 43	0 14	2 45	1 25	1 17	15 45	9 44	9 35	19 46	12 14	6 57
F 25	13 3	18 29	1 54	21 21	2 30	24 26	5 44	2 29	1 14	6 23	1 33	0 49	2 12	23 43	0 14	2 45	1 25	1 17	15 45	9 44	9 34	19 49	12 13	6 57
S 26	13 23	23 29	3 7	21 44	2 33	24 16	5 39	2 10	1 14	6 21	1 33	0 52	2 12	23 43	0 14	2 46	1 25	1 16	15 45	9 44	9 33	19 52	12 13	6 58
S 27	13 42	26 51	4 7	22 5	2 36	24 5	5 33	1 52	1 13	6 18	1 33	0 55	2 12	23 43	0 14	2 46	1 25	1 16	15 45	9 43	9 32	19 54	12 12	6 58
M28	14 1	28 18	4 49	22 22	2 38	23 52	5 26	1 33	1 13	6 16	1 33	0 57	2 13	23 43	0 14	2 46	1 25	1 15	15 45	9 43	9 31	19 57	12 11	6 58
T 29	14 20	27 48	5 12	22 38	2 39	23 38	5 19	1 15	1 13	6 13	1 33	1 0	2 13	23 43	0 14	2 47	1 25	1 15	15 45	9 42	9 29	19 59	12 10	6 59
W30	14n39	25 s34	5 s16	22n51	2n39	23n23	5n12	0 s56	1 s13	6 s11	1n32	1n 2	2 s13	23n43	0n14	2n47	1n25	1 s14	15 s45	9n42	9n28	20n 2	12 s10	6n59

Julian Day Number = 2310651.5, Delta T = 72.15 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'23, Lahiri = 18°28'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

MAY 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 34 55	10♉20'18	12♒22	1♊16	21°R43	1♈13	19°R16	7♈50	28♊ 7	26°R15	6♉21	25°D 0	24♈20	20♉25	5♒28	T 1
F 2	14 38 51	11°18'20	25°24	2° 7	21♉10	1°59	19♎10	7°57	28°10	26♍14	6°22	25♈ 0	24°16	20°32	5°28	F 2
S 3	14 42 48	12°16'21	8♓ 6	2°54	20°37	2°45	19° 3	8° 4	28°12	26°13	6°24	25° 1	24°13	20°38	5°29	S 3
S 4	14 46 44	13°14'20	20°30	3°35	20° 1	3°31	18°57	8°10	28°15	26°12	6°25	25° 3	24°10	20°45	5°29	S 4
M 5	14 50 41	14°12'18	2♈41	4°12	19°25	4°16	18°50	8°17	28°18	26°11	6°26	25° 4	24° 7	20°52	5°30	M 5
T 6	14 54 37	15°10'15	14°42	4°43	18°49	5° 2	18°44	8°24	28°21	26°10	6°28	25° 5	24° 4	20°58	5°30	T 6
W 7	14 58 34	16° 8'10	26°36	5°10	18°11	5°48	18°38	8°30	28°24	26° 9	6°29	25°R 6	24° 0	21° 5	5°30	W 7
T 8	15 2 30	17° 6'04	8♉26	5°32	17°33	6°34	18°32	8°37	28°26	26° 8	6°30	25° 5	23°57	21°12	5°31	T 8
F 9	15 6 27	18° 3'56	20°14	5°48	16°56	7°20	18°26	8°43	28°29	26° 7	6°32	25° 3	23°54	21°18	5°31	F 9
S 10	15 10 23	19° 1'47	2♊ 2	6° 0	16°18	8° 5	18°20	8°49	28°32	26° 6	6°33	25° 0	23°51	21°25	5°31	S 10
S 11	15 14 20	19°59'37	13°53	6° 6	15°41	8°51	18°14	8°56	28°35	26° 6	6°34	24°56	23°48	21°32	5°R31	S 11
M12	15 18 17	20°57'25	25°49	6°R 8	15° 5	9°37	18° 9	9° 2	28°38	26° 5	6°36	24°52	23°45	21°38	5°31	M12
T 13	15 22 13	21°55'11	7♋51	6° 5	14°29	10°22	18° 3	9° 8	28°41	26° 4	6°37	24°48	23°41	21°45	5°31	T 13
W14	15 26 10	22°52'56	20° 3	5°57	13°55	11° 8	17°58	9°14	28°44	26° 3	6°38	24°44	23°38	21°52	5°31	W14
T 15	15 30 6	23°50'39	2♌28	5°45	13°22	11°53	17°53	9°20	28°47	26° 2	6°40	24°41	23°35	21°58	5°30	T 15
F 16	15 34 3	24°48'21	15° 9	5°29	12°50	12°39	17°48	9°27	28°51	26° 2	6°41	24°39	23°32	22° 5	5°30	F 16
S 17	15 37 59	25°46'01	28° 9	5° 9	12°20	13°24	17°43	9°33	28°54	26° 1	6°42	24°D39	23°29	22°12	5°30	S 17
S 18	15 41 56	26°43'39	11♍32	4°46	11°52	14° 9	17°39	9°38	28°57	26° 0	6°44	24°39	23°26	22°18	5°29	S 18
M19	15 45 53	27°41'16	25°19	4°19	11°26	14°55	17°34	9°44	29° 0	26° 0	6°45	24°41	23°22	22°25	5°29	M19
T 20	15 49 49	28°38'51	9♎32	3°50	11° 1	15°40	17°30	9°50	29° 3	25°59	6°46	24°42	23°19	22°32	5°28	T 20
W21	15 53 46	29°36'25	24° 9	3°19	10°39	16°25	17°26	9°56	29° 7	25°59	6°47	24°R43	23°16	22°38	5°28	W21
T 22	15 57 42	0♊33'57	9♏ 6	2°47	10°20	17°10	17°22	10° 2	29°10	25°58	6°49	24°42	23°13	22°45	5°27	T 22
F 23	16 1 39	1°31'28	24°17	2°13	10° 2	17°55	17°18	10° 7	29°13	25°58	6°50	24°40	23°10	22°52	5°26	F 23
S 24	16 5 35	2°28'58	9♐31	1°39	9°47	18°40	17°14	10°13	29°16	25°57	6°51	24°36	23° 6	22°58	5°25	S 24
S 25	16 9 32	3°26'27	24°39	1° 6	9°35	19°25	17°10	10°18	29°20	25°57	6°53	24°30	23° 3	23° 5	5°24	S 25
M26	16 13 28	4°23'56	9♑32	0°33	9°25	20°10	17° 7	10°24	29°23	25°56	6°54	24°25	23° 0	23°12	5°23	M26
T 27	16 17 25	5°21'23	24° 1	0° 1	9°17	20°55	17° 4	10°29	29°26	25°56	6°55	24°19	22°57	23°18	5°22	T 27
W28	16 21 22	6°18'50	8♒ 2	29♉32	9°12	21°40	17° 1	10°35	29°30	25°56	6°56	24°15	22°54	23°25	5°21	W28
T 29	16 25 18	7°16'15	21°34	29° 5	9° 9	22°25	16°58	10°40	29°33	25°56	6°57	24°12	22°51	23°32	5°20	T 29
F 30	16 29 15	8°13'40	4♓39	28°40	9°D 8	23°10	16°55	10°45	29°37	25°55	6°59	24°D10	22°47	23°38	5°19	F 30
S 31	16 33 11	9♊11'04	17♓19	28♉19	9♉10	23♈54	16♎53	10♈50	29♊40	25♍55	7♉ 0	24♈11	22♈44	23♉45	5♒17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n57	21s58	5s 2	23n 2	2n38	23n 6	5n 3	0s38	1s13	6s 8	1n32	1n 5	2s13	23n43	0n14	2n48	1n25	1s14	15s45	9n42	9n27	20n 5	12s 9	7n 0
F 2	15 15	17 22	4 33	23 10	2 36	22 49	4 54	0 20	1 13	6 6	1 32	1 7	2 13	23 43	0 14	2 48	1 25	1 14	15 45	9 42	9 26	20 7	12 9	7 0
S 3	15 33	12 8	3 52	23 16	2 32	22 30	4 44	0 1	1 13	6 3	1 32	1 10	2 13	23 43	0 14	2 48	1 25	1 13	15 45	9 42	9 25	20 10	12 8	7 1
S 4	15 51	6 31	3 0	23 20	2 28	22 11	4 34	0n17	1 13	6 1	1 32	1 12	2 13	23 43	0 14	2 49	1 25	1 13	15 45	9 43	9 24	20 12	12 7	7 1
M 5	16 8	0 47	2 1	23 22	2 23	21 50	4 23	0 36	1 12	5 59	1 32	1 15	2 14	23 43	0 14	2 49	1 25	1 12	15 45	9 43	9 22	20 15	12 7	7 2
T 6	16 25	4n56	0 57	23 22	2 16	21 29	4 12	0 54	1 12	5 57	1 31	1 17	2 14	23 43	0 14	2 50	1 25	1 12	15 45	9 44	9 21	20 17	12 6	7 2
W 7	16 42	10 25	0n 8	23 19	2 9	21 7	4 0	1 12	1 12	5 54	1 31	1 20	2 14	23 43	0 14	2 50	1 25	1 12	15 45	9 44	9 20	20 20	12 6	7 3
T 8	16 59	15 30	1 13	23 15	2 0	20 44	3 47	1 31	1 12	5 52	1 31	1 22	2 14	23 43	0 14	2 50	1 25	1 11	15 45	9 44	9 19	20 22	12 5	7 3
F 9	17 15	20 0	2 14	23 8	1 51	20 21	3 34	1 49	1 12	5 50	1 31	1 25	2 14	23 43	0 14	2 51	1 25	1 11	15 45	9 43	9 18	20 25	12 5	7 4
S 10	17 31	23 42	3 10	23 0	1 40	19 57	3 21	2 7	1 12	5 48	1 31	1 27	2 14	23 43	0 14	2 51	1 25	1 11	15 45	9 42	9 16	20 27	12 4	7 4
S 11	17 47	26 26	3 57	22 49	1 28	19 34	3 7	2 25	1 11	5 46	1 31	1 29	2 14	23 43	0 14	2 51	1 25	1 10	15 45	9 41	9 15	20 30	12 4	7 5
M12	18 2	28 0	4 34	22 37	1 16	19 9	2 54	2 44	1 11	5 44	1 30	1 32	2 15	23 43	0 14	2 51	1 25	1 10	15 45	9 39	9 14	20 32	12 3	7 5
T 13	18 17	28 15	5 0	22 23	1 2	18 45	2 39	3 2	1 11	5 42	1 30	1 34	2 15	23 43	0 14	2 52	1 25	1 9	15 45	9 37	9 13	20 35	12 3	7 6
W14	18 32	27 8	5 12	22 8	0 48	18 21	2 25	3 20	1 11	5 41	1 30	1 36	2 15	23 43	0 14	2 52	1 25	1 9	15 45	9 36	9 12	20 37	12 2	7 6
T 15	18 46	24 41	5 10	21 51	0 32	17 58	2 11	3 38	1 11	5 39	1 30	1 38	2 15	23 43	0 14	2 52	1 25	1 9	15 45	9 35	9 11	20 40	12 2	7 7
F 16	19 1	21 0	4 54	21 32	0 16	17 34	1 57	3 56	1 10	5 37	1 30	1 41	2 15	23 43	0 14	2 53	1 25	1 8	15 46	9 34	9 9	20 42	12 1	7 7
S 17	19 15	16 14	4 21	21 12	0s 0	17 12	1 42	4 14	1 10	5 36	1 29	1 43	2 15	23 43	0 14	2 53	1 25	1 8	15 46	9 34	9 8	20 45	12 1	7 8
S 18	19 28	10 33	3 34	20 51	0 17	16 49	1 28	4 31	1 10	5 34	1 29	1 45	2 16	23 43	0 14	2 53	1 25	1 8	15 46	9 34	9 7	20 47	12 1	7 8
M19	19 41	4 13	2 34	20 29	0 34	16 28	1 14	4 49	1 9	5 33	1 29	1 47	2 16	23 43	0 14	2 53	1 25	1 7	15 46	9 35	9 6	20 50	12 0	7 9
T 20	19 54	2s32	1 22	20 7	0 52	16 7	1 0	5 7	1 9	5 31	1 29	1 49	2 16	23 43	0 14	2 53	1 25	1 7	15 46	9 35	9 5	20 52	12 0	7 9
W21	20 7	9 20	0 3	19 44	1 9	15 47	0 46	5 25	1 9	5 30	1 28	1 51	2 16	23 43	0 14	2 54	1 24	1 7	15 46	9 36	9 4	20 55	12 0	7 10
T 22	20 19	15 47	1s18	19 20	1 27	15 28	0 33	5 42	1 9	5 28	1 28	1 53	2 16	23 43	0 14	2 54	1 24	1 7	15 46	9 35	9 2	20 57	11 59	7 10
F 23	20 31	21 22	2 34	18 57	1 44	15 10	0 19	6 0	1 8	5 27	1 28	1 55	2 17	23 44	0 14	2 54	1 24	1 6	15 46	9 34	9 1	21 0	11 59	7 11
S 24	20 42	25 33	3 40	18 34	2 1	14 53	0 7	6 17	1 8	5 26	1 28	1 57	2 17	23 44	0 14	2 54	1 24	1 6	15 46	9 33	9 0	21 2	11 59	7 11
S 25	20 53	27 52	4 29	18 12	2 17	14 37	0s 6	6 34	1 8	5 25	1 27	1 59	2 17	23 44	0 14	2 54	1 24	1 6	15 46	9 31	8 59	21 5	11 59	7 11
M26	21 4	28 8	5 0	17 50	2 32	14 22	0 18	6 52	1 7	5 24	1 27	2 1	2 17	23 44	0 14	2 54	1 24	1 5	15 47	9 29	8 58	21 7	11 58	7 12
T 27	21 15	26 26	5 10	17 29	2 46	14 9	0 30	7 9	1 7	5 23	1 27	2 3	2 17	23 44	0 14	2 54	1 24	1 5	15 47	9 27	8 56	21 10	11 58	7 12
W28	21 25	23 9	5 1	17 10	3 0	13 56	0 42	7 26	1 7	5 22	1 27	2 5	2 18	23 44	0 14	2 55	1 24	1 5	15 47	9 25	8 55	21 12	11 58	7 13
T 29	21 34	18 41	4 36	16 52	3 12	13 45	0 53	7 43	1 6	5 21	1 26	2 7	2 18	23 44	0 14	2 55	1 24	1 5	15 47	9 24	8 54	21 14	11 58	7 13
F 30	21 44	13 30	3 56	16 36	3 23	13 34	1 3	8 0	1 6	5 20	1 26	2 9	2 18	23 44	0 14	2 55	1 24	1 4	15 47	9 24	8 53	21 17	11 58	7 14
S 31	21n53	7s53	3s 6	16n22	3s33	13n25	1s14	8n17	1s 6	5s19	1n26	2n11	2s18	23n44	0n14	2n55	1n24	1s 4	15s47	9n24	8n52	21n19	11s58	7n14

Julian Day Number = 2310681.5, Delta T = 72.07 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'27, Lahiri = 18°28'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

JUNE 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 37 8	10♊ 8'28	29♓39	28°R 2	9♉14	24♈39	16°R50	10♈55	29♊43	25°R55	7♉ 1	24♈12	22♈41	23♉52	5°R16	S 1
M 2	16 41 4	11° 5'51	11♈45	27♉48	9°20	25°24	16♎48	11° 0	29°47	25♍55	7° 2	24°13	22°38	23°58	5♒14	M 2
T 3	16 45 1	12° 3'14	23°40	27°39	9°29	26° 8	16°46	11° 5	29°50	25°54	7° 3	24°R14	22°35	24° 5	5°13	T 3
W 4	16 48 57	13° 0'35	5♉29	27°33	9°40	26°53	16°45	11°10	29°54	25°54	7° 4	24°13	22°32	24°12	5°11	W 4
T 5	16 52 54	13°57'57	17°16	27°D32	9°52	27°37	16°43	11°15	29°57	25°54	7° 6	24°10	22°28	24°18	5°10	T 5
F 6	16 56 51	14°55'17	29° 4	27°36	10° 7	28°21	16°41	11°19	0♋ 1	25°54	7° 7	24° 5	22°25	24°25	5° 8	F 6
S 7	17 0 47	15°52'38	10♊56	27°44	10°24	29° 6	16°40	11°24	0° 4	25°D54	7° 8	23°58	22°22	24°32	5° 6	S 7
S 8	17 4 44	16°49'57	22°53	27°56	10°42	29°50	16°39	11°29	0° 8	25°54	7° 9	23°49	22°19	24°38	5° 4	S 8
M 9	17 8 40	17°47'16	4♋57	28°13	11° 3	0♉34	16°38	11°33	0°11	25°54	7°10	23°40	22°16	24°45	5° 3	M 9
T 10	17 12 37	18°44'34	17° 9	28°35	11°25	1°18	16°37	11°37	0°15	25°54	7°11	23°30	22°12	24°52	5° 1	T 10
W11	17 16 33	19°41'51	29°31	29° 1	11°49	2° 2	16°37	11°42	0°18	25°55	7°12	23°20	22° 9	24°58	4°59	W11
T 12	17 20 30	20°39'08	12♌ 5	29°32	12°14	2°46	16°37	11°46	0°22	25°55	7°13	23°13	22° 6	25° 5	4°57	T 12
F 13	17 24 26	21°36'24	24°51	0♊ 7	12°41	3°30	16°D36	11°50	0°26	25°55	7°14	23° 7	22° 3	25°12	4°55	F 13
S 14	17 28 23	22°33'39	7♍53	0°46	13° 9	4°14	16°36	11°54	0°29	25°55	7°15	23° 4	22° 0	25°18	4°52	S 14
S 15	17 32 20	23°30'53	21°12	1°29	13°39	4°58	16°37	11°58	0°33	25°55	7°16	23°D 3	21°57	25°25	4°50	S 15
M16	17 36 16	24°28'06	4♎51	2°17	14°11	5°41	16°37	12° 2	0°36	25°56	7°17	23° 4	21°53	25°32	4°48	M16
T 17	17 40 13	25°25'19	18°52	3° 9	14°44	6°25	16°37	12° 6	0°40	25°56	7°18	23°R 4	21°50	25°38	4°46	T 17
W18	17 44 9	26°22'31	3♏15	4° 5	15°18	7° 9	16°38	12°10	0°44	25°56	7°19	23° 4	21°47	25°45	4°43	W18
T 19	17 48 6	27°19'43	17°56	5° 4	15°53	7°52	16°39	12°13	0°47	25°57	7°20	23° 2	21°44	25°52	4°41	T 19
F 20	17 52 2	28°16'54	2♐53	6° 8	16°29	8°35	16°40	12°17	0°51	25°57	7°21	22°57	21°41	25°58	4°38	F 20
S 21	17 55 59	29°14'05	17°57	7°16	17° 7	9°19	16°41	12°20	0°54	25°58	7°22	22°50	21°38	26° 5	4°36	S 21
S 22	17 59 55	0♋11'16	3♑ 0	8°27	17°46	10° 2	16°43	12°24	0°58	25°58	7°23	22°41	21°34	26°12	4°33	S 22
M23	18 3 52	1° 8'26	17°51	9°42	18°26	10°45	16°44	12°27	1° 2	25°58	7°24	22°31	21°31	26°18	4°31	M23
T 24	18 7 49	2° 5'36	2♒22	11° 1	19° 7	11°29	16°46	12°30	1° 5	25°59	7°25	22°22	21°28	26°25	4°28	T 24
W25	18 11 45	3° 2'46	16°27	12°23	19°49	12°12	16°48	12°33	1° 9	26° 0	7°26	22°13	21°25	26°32	4°25	W25
T 26	18 15 42	3°59'57	0♓ 4	13°49	20°32	12°55	16°50	12°36	1°12	26° 0	7°26	22° 7	21°22	26°38	4°23	T 26
F 27	18 19 38	4°57'07	13°13	15°19	21°16	13°38	16°53	12°39	1°16	26° 1	7°27	22° 3	21°18	26°45	4°20	F 27
S 28	18 23 35	5°54'17	25°55	16°52	22° 1	14°21	16°55	12°42	1°20	26° 1	7°28	22° 1	21°15	26°52	4°17	S 28
S 29	18 27 31	6°51'28	8♈17	18°29	22°46	15° 3	16°58	12°45	1°23	26° 2	7°29	22°D 0	21°12	26°58	4°14	S 29
M30	18 31 28	7♋48'39	20♈22	20♊ 9	23♉33	15♉46	17♎ 1	12♈47	1♋27	26♍ 3	7♉30	22°R 1	21♈ 9	27♉ 5	4♒11	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 1	2s 7	2s 9	16n 9	3s42	13n17	1s24	8n33	1s 5	5s19	1n26	2n13	2s18	23n44	0n14	2n55	1n24	1s 4	15s47	9n24	8n51	21n22	11s58	7n15
M 2	22 9	3n38	1 7	15 59	3 50	13 10	1 33	8 50	1 5	5 18	1 25	2 14	2 19	23 44	0 14	2 55	1 24	1 4	15 48	9 25	8 49	21 24	11 58	7 15
T 3	22 17	9 10	0 3	15 51	3 56	13 4	1 42	9 7	1 4	5 18	1 25	2 16	2 19	23 44	0 14	2 55	1 24	1 4	15 48	9 25	8 48	21 27	11 58	7 15
W 4	22 25	14 20	1n 0	15 45	4 1	12 59	1 51	9 23	1 4	5 17	1 25	2 18	2 19	23 44	0 14	2 55	1 24	1 3	15 48	9 25	8 47	21 29	11 57	7 16
T 5	22 32	18 58	2 1	15 41	4 5	12 55	1 59	9 39	1 4	5 17	1 25	2 19	2 19	23 44	0 14	2 55	1 24	1 3	15 48	9 24	8 46	21 31	11 57	7 16
F 6	22 38	22 52	2 56	15 39	4 7	12 53	2 7	9 56	1 3	5 17	1 24	2 21	2 20	23 44	0 14	2 55	1 24	1 3	15 48	9 22	8 45	21 34	11 57	7 17
S 7	22 44	25 50	3 44	15 40	4 9	12 51	2 14	10 12	1 3	5 16	1 24	2 23	2 20	23 44	0 14	2 55	1 24	1 3	15 48	9 19	8 43	21 36	11 57	7 17
S 8	22 50	27 40	4 22	15 42	4 9	12 50	2 21	10 28	1 2	5 16	1 24	2 24	2 20	23 44	0 14	2 55	1 24	1 3	15 49	9 16	8 42	21 39	11 58	7 17
M 9	22 56	28 13	4 49	15 47	4 8	12 49	2 28	10 44	1 2	5 16	1 24	2 26	2 20	23 44	0 14	2 55	1 24	1 3	15 49	9 12	8 41	21 41	11 58	7 18
T 10	23 1	27 24	5 3	15 53	4 6	12 50	2 35	10 59	1 1	5 16	1 23	2 27	2 20	23 44	0 14	2 55	1 24	1 2	15 49	9 9	8 40	21 43	11 58	7 18
W11	23 5	25 14	5 3	16 1	4 3	12 52	2 41	11 15	1 1	5 16	1 23	2 29	2 21	23 44	0 14	2 55	1 24	1 2	15 49	9 5	8 39	21 46	11 58	7 19
T 12	23 10	21 50	4 49	16 12	4 0	12 54	2 46	11 31	1 1	5 16	1 23	2 30	2 21	23 44	0 14	2 54	1 24	1 2	15 49	9 2	8 38	21 48	11 58	7 19
F 13	23 14	17 21	4 20	16 23	3 55	12 57	2 52	11 46	1 0	5 16	1 22	2 31	2 21	23 44	0 14	2 54	1 24	1 2	15 50	9 0	8 36	21 50	11 58	7 19
S 14	23 17	11 59	3 37	16 37	3 49	13 1	2 57	12 1	1 0	5 17	1 22	2 33	2 21	23 44	0 14	2 54	1 24	1 2	15 50	8 59	8 35	21 53	11 58	7 20
S 15	23 20	5 58	2 42	16 52	3 43	13 5	3 2	12 17	0 59	5 17	1 22	2 34	2 22	23 44	0 14	2 54	1 24	1 2	15 50	8 59	8 34	21 55	11 58	7 20
M16	23 23	0s28	1 36	17 8	3 36	13 10	3 6	12 32	0 59	5 17	1 22	2 35	2 22	23 44	0 14	2 54	1 23	1 2	15 50	8 59	8 33	21 57	11 59	7 20
T 17	23 25	7 4	0 22	17 25	3 28	13 16	3 10	12 46	0 58	5 18	1 21	2 37	2 22	23 44	0 14	2 54	1 23	1 2	15 50	8 59	8 32	22 0	11 59	7 21
W18	23 27	13 28	0s54	17 44	3 20	13 22	3 14	13 1	0 58	5 18	1 21	2 38	2 22	23 44	0 14	2 54	1 23	1 2	15 51	8 59	8 30	22 2	11 59	7 21
T 19	23 28	19 16	2 9	18 4	3 11	13 29	3 17	13 16	0 57	5 19	1 21	2 39	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 58	8 29	22 4	11 59	7 21
F 20	23 29	23 58	3 15	18 24	3 1	13 36	3 21	13 30	0 57	5 20	1 20	2 40	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 57	8 28	22 7	11 59	7 22
S 21	23 29	27 5	4 9	18 45	2 51	13 44	3 24	13 45	0 56	5 20	1 20	2 41	2 23	23 44	0 14	2 53	1 23	1 1	15 51	8 54	8 27	22 9	12 0	7 22
S 22	23 29	28 13	4 45	19 7	2 41	13 52	3 26	13 59	0 55	5 21	1 20	2 42	2 23	23 44	0 14	2 53	1 23	1 1	15 52	8 51	8 26	22 11	12 0	7 22
M23	23 29	27 17	5 2	19 29	2 30	14 0	3 29	14 13	0 55	5 22	1 20	2 43	2 24	23 44	0 14	2 53	1 23	1 1	15 52	8 47	8 24	22 14	12 0	7 23
T 24	23 28	24 31	4 58	19 51	2 19	14 9	3 31	14 27	0 54	5 23	1 19	2 44	2 24	23 44	0 14	2 52	1 23	1 1	15 52	8 43	8 23	22 16	12 1	7 23
W25	23 27	20 20	4 36	20 14	2 7	14 18	3 33	14 41	0 54	5 24	1 19	2 45	2 24	23 44	0 14	2 52	1 23	1 1	15 52	8 40	8 22	22 18	12 1	7 23
T 26	23 26	15 12	3 59	20 36	1 55	14 28	3 35	14 54	0 53	5 25	1 19	2 46	2 25	23 44	0 14	2 52	1 23	1 1	15 53	8 38	8 21	22 20	12 1	7 23
F 27	23 24	9 33	3 11	20 58	1 43	14 38	3 36	15 8	0 53	5 26	1 19	2 47	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 36	8 20	22 23	12 2	7 24
S 28	23 22	3 40	2 14	21 20	1 31	14 48	3 38	15 21	0 52	5 27	1 18	2 48	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 36	8 19	22 25	12 2	7 24
S 29	23 19	2n11	1 12	21 41	1 18	14 58	3 39	15 34	0 51	5 29	1 18	2 49	2 25	23 43	0 14	2 51	1 23	1 1	15 53	8 35	8 17	22 27	12 3	7 24
M30	23n16	7n50	0s 9	22n 2	1s 6	15n 9	3s40	15n47	0s51	5s30	1n18	2n50	2s26	23n43	0n14	2n51	1n23	1s 1	15s54	8n36	8n16	22n30	12s 3	7n24

Julian Day Number = 2310712.5, Delta T = 71.98 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'32, Lahiri = 18°28'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

JULY 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 35 25	8♋45'51	2♉16	21♊52	24♉20	16♉29	17♎ 4	12♈50	1♋30	26♍ 4	7♉30	22°R 0	21♈ 6	27♉12	4°R 8	T 1
W 2	18 39 21	9°43'03	14° 5	23°39	25° 8	17°11	17° 7	12°52	1°34	26° 4	7°31	21♈58	21° 3	27°18	4♒ 6	W 2
T 3	18 43 18	10°40'15	25°53	25°29	25°57	17°54	17°10	12°55	1°38	26° 5	7°32	21°54	20°59	27°25	4° 3	T 3
F 4	18 47 14	11°37'27	7♊43	27°21	26°46	18°36	17°14	12°57	1°41	26° 6	7°32	21°47	20°56	27°32	4° 0	F 4
S 5	18 51 11	12°34'40	19°40	29°17	27°36	19°19	17°17	12°59	1°45	26° 7	7°33	21°38	20°53	27°38	3°56	S 5
S 6	18 55 7	13°31'54	1♋46	1♋14	28°27	20° 1	17°21	13° 1	1°48	26° 8	7°34	21°26	20°50	27°45	3°53	S 6
M 7	18 59 4	14°29'07	14° 2	3°15	29°19	20°43	17°25	13° 3	1°52	26° 9	7°34	21°13	20°47	27°52	3°50	M 7
T 8	19 3 0	15°26'21	26°28	5°17	0♊11	21°25	17°29	13° 5	1°55	26°10	7°35	21° 0	20°44	27°58	3°47	T 8
W 9	19 6 57	16°23'35	9♌ 6	7°21	1° 4	22° 7	17°33	13° 7	1°59	26°11	7°36	20°48	20°40	28° 5	3°44	W 9
T 10	19 10 54	17°20'49	21°54	9°26	1°57	22°49	17°38	13° 8	2° 2	26°12	7°36	20°37	20°37	28°12	3°41	T 10
F 11	19 14 50	18°18'04	4♍55	11°33	2°51	23°31	17°43	13°10	2° 6	26°13	7°37	20°30	20°34	28°18	3°38	F 11
S 12	19 18 47	19°15'18	18° 7	13°40	3°45	24°13	17°47	13°11	2° 9	26°14	7°37	20°25	20°31	28°25	3°34	S 12
S 13	19 22 43	20°12'33	1♎32	15°48	4°40	24°55	17°52	13°13	2°13	26°15	7°38	20°22	20°28	28°32	3°31	S 13
M14	19 26 40	21° 9'48	15°12	17°56	5°35	25°36	17°57	13°14	2°16	26°16	7°38	20°22	20°24	28°38	3°28	M14
T 15	19 30 36	22° 7'03	29° 6	20° 5	6°31	26°18	18° 3	13°15	2°20	26°17	7°39	20°22	20°21	28°45	3°25	T 15
W16	19 34 33	23° 4'19	13♏16	22°13	7°27	26°59	18° 8	13°16	2°23	26°19	7°39	20°21	20°18	28°52	3°21	W16
T 17	19 38 29	24° 1'34	27°41	24°20	8°24	27°41	18°13	13°17	2°27	26°20	7°40	20°18	20°15	28°58	3°18	T 17
F 18	19 42 26	24°58'51	12♐17	26°27	9°21	28°22	18°19	13°18	2°30	26°21	7°40	20°13	20°12	29° 5	3°15	F 18
S 19	19 46 23	25°56'07	27° 1	28°32	10°18	29° 3	18°25	13°19	2°33	26°22	7°41	20° 5	20° 9	29°12	3°11	S 19
S 20	19 50 19	26°53'24	11♑44	0♌37	11°16	29°44	18°31	13°20	2°37	26°24	7°41	19°55	20° 5	29°19	3° 8	S 20
M21	19 54 16	27°50'42	26°19	2°40	12°15	0♊25	18°37	13°20	2°40	26°25	7°41	19°44	20° 2	29°25	3° 5	M21
T 22	19 58 12	28°48'01	10♒38	4°42	13°14	1° 6	18°43	13°21	2°44	26°26	7°42	19°33	19°59	29°32	3° 1	T 22
W23	20 2 9	29°45'20	24°37	6°43	14°13	1°47	18°50	13°21	2°47	26°28	7°42	19°23	19°56	29°39	2°58	W23
T 24	20 6 5	0♌42'40	8♓10	8°42	15°12	2°28	18°56	13°21	2°50	26°29	7°42	19°16	19°53	29°45	2°55	T 24
F 25	20 10 2	1°40'01	21°18	10°40	16°12	3° 8	19° 3	13°21	2°53	26°31	7°43	19°11	19°50	29°52	2°51	F 25
S 26	20 13 58	2°37'23	4♈ 2	12°36	17°13	3°49	19°10	13°R21	2°57	26°32	7°43	19° 8	19°46	29°59	2°48	S 26
S 27	20 17 55	3°34'46	16°25	14°30	18°13	4°29	19°17	13°21	3° 0	26°34	7°43	19°D 7	19°43	0♊ 5	2°44	S 27
M28	20 21 52	4°32'10	28°32	16°23	19°14	5°10	19°24	13°21	3° 3	26°35	7°43	19°R 7	19°40	0°12	2°41	M28
T 29	20 25 48	5°29'36	10♉27	18°15	20°15	5°50	19°31	13°21	3° 6	26°37	7°44	19° 7	19°37	0°19	2°38	T 29
W30	20 29 45	6°27'03	22°18	20° 4	21°17	6°30	19°38	13°20	3°10	26°38	7°44	19° 6	19°34	0°25	2°34	W30
T 31	20 33 41	7♌24'31	4♊ 7	21♌52	22♊19	7♊10	19♎46	13♈20	3♋13	26♍40	7♉44	19♈ 3	19♈30	0♊32	2♒31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n12	13n 8	0n54	22n21	0s54	15n20	3s41	16n 0	0s50	5s31	1n17	2n50	2s26	23n43	0n14	2n50	1n23	1s 1	15s54	8n35	8n15	22n32	12s 3	7n25
W 2	23 8	17 55	1 54	22 39	0 41	15 31	3 41	16 13	0 50	5 33	1 17	2 51	2 26	23 43	0 14	2 50	1 23	1 1	15 54	8 35	8 14	22 34	12 4	7 25
T 3	23 4	22 0	2 49	22 56	0 29	15 42	3 41	16 25	0 49	5 34	1 17	2 52	2 26	23 43	0 14	2 49	1 23	1 1	15 54	8 33	8 13	22 36	12 4	7 25
F 4	22 59	25 13	3 37	23 11	0 17	15 53	3 42	16 37	0 48	5 36	1 17	2 52	2 27	23 43	0 14	2 49	1 23	1 1	15 55	8 31	8 11	22 39	12 5	7 25
S 5	22 54	27 20	4 15	23 25	0 5	16 4	3 42	16 50	0 48	5 38	1 16	2 53	2 27	23 43	0 14	2 49	1 23	1 1	15 55	8 27	8 10	22 41	12 5	7 25
S 6	22 48	28 12	4 43	23 36	0n 7	16 16	3 41	17 2	0 47	5 39	1 16	2 53	2 27	23 43	0 14	2 48	1 23	1 1	15 55	8 23	8 9	22 43	12 6	7 26
M 7	22 42	27 41	4 58	23 45	0 18	16 27	3 41	17 14	0 46	5 41	1 16	2 54	2 28	23 43	0 14	2 48	1 23	1 1	15 55	8 18	8 8	22 45	12 6	7 26
T 8	22 36	25 47	4 59	23 52	0 29	16 38	3 40	17 25	0 46	5 43	1 16	2 54	2 28	23 43	0 14	2 48	1 23	1 2	15 56	8 13	8 7	22 47	12 7	7 26
W 9	22 29	22 36	4 45	23 56	0 39	16 50	3 40	17 37	0 45	5 45	1 15	2 55	2 28	23 43	0 14	2 47	1 23	1 2	15 56	8 8	8 5	22 50	12 7	7 26
T 10	22 22	18 17	4 17	23 58	0 48	17 1	3 39	17 48	0 44	5 47	1 15	2 55	2 28	23 43	0 15	2 47	1 23	1 2	15 56	8 4	8 4	22 52	12 8	7 26
F 11	22 14	13 4	3 35	23 56	0 57	17 13	3 38	17 59	0 44	5 49	1 15	2 56	2 29	23 43	0 15	2 46	1 23	1 2	15 57	8 1	8 3	22 54	12 9	7 26
S 12	22 6	7 11	2 41	23 53	1 6	17 24	3 37	18 10	0 43	5 51	1 15	2 56	2 29	23 43	0 15	2 46	1 23	1 2	15 57	7 59	8 2	22 56	12 9	7 26
S 13	21 58	0 53	1 38	23 46	1 13	17 35	3 36	18 21	0 42	5 53	1 14	2 56	2 29	23 43	0 15	2 45	1 22	1 2	15 57	7 59	8 1	22 58	12 10	7 27
M14	21 49	5s35	0 27	23 37	1 20	17 46	3 34	18 32	0 42	5 55	1 14	2 56	2 29	23 43	0 15	2 45	1 22	1 2	15 57	7 58	7 59	23 1	12 11	7 27
T 15	21 40	11 54	0s46	23 24	1 26	17 57	3 33	18 42	0 41	5 57	1 14	2 57	2 30	23 43	0 15	2 44	1 22	1 2	15 58	7 58	7 58	23 3	12 11	7 27
W16	21 31	17 44	1 58	23 10	1 31	18 8	3 31	18 53	0 40	6 0	1 14	2 57	2 30	23 43	0 15	2 44	1 22	1 2	15 58	7 58	7 57	23 5	12 12	7 27
T 17	21 21	22 40	3 3	22 52	1 36	18 19	3 29	19 3	0 39	6 2	1 13	2 57	2 30	23 43	0 15	2 43	1 22	1 3	15 58	7 57	7 56	23 7	12 12	7 27
F 18	21 11	26 15	3 58	22 33	1 40	18 29	3 27	19 13	0 39	6 4	1 13	2 57	2 31	23 43	0 15	2 43	1 22	1 3	15 59	7 55	7 55	23 9	12 13	7 27
S 19	21 0	28 4	4 37	22 11	1 43	18 39	3 25	19 22	0 38	6 7	1 13	2 57	2 31	23 43	0 15	2 42	1 22	1 3	15 59	7 52	7 53	23 11	12 14	7 27
S 20	20 49	27 55	4 58	21 46	1 45	18 49	3 23	19 32	0 37	6 9	1 13	2 57	2 31	23 43	0 15	2 42	1 22	1 3	15 59	7 48	7 52	23 14	12 15	7 27
M21	20 38	25 49	4 59	21 20	1 47	18 59	3 21	19 41	0 36	6 12	1 12	2 57	2 31	23 43	0 15	2 41	1 22	1 3	16 0	7 44	7 51	23 16	12 15	7 27
T 22	20 27	22 6	4 41	20 52	1 47	19 9	3 19	19 51	0 36	6 14	1 12	2 57	2 32	23 42	0 15	2 41	1 22	1 3	16 0	7 40	7 50	23 18	12 16	7 27
W23	20 15	17 13	4 6	20 22	1 48	19 18	3 16	20 0	0 35	6 17	1 12	2 57	2 32	23 42	0 15	2 40	1 22	1 4	16 0	7 36	7 49	23 20	12 17	7 27
T 24	20 3	11 36	3 19	19 51	1 47	19 28	3 14	20 8	0 34	6 20	1 12	2 57	2 32	23 42	0 15	2 39	1 22	1 4	16 0	7 33	7 47	23 22	12 17	7 27
F 25	19 50	5 38	2 22	19 18	1 46	19 36	3 11	20 17	0 33	6 22	1 11	2 56	2 33	23 42	0 15	2 39	1 22	1 4	16 1	7 31	7 46	23 24	12 18	7 27
S 26	19 37	0n24	1 19	18 44	1 44	19 45	3 8	20 26	0 33	6 25	1 11	2 56	2 33	23 42	0 15	2 38	1 22	1 4	16 1	7 30	7 45	23 26	12 19	7 27
S 27	19 24	6 15	0 14	18 8	1 42	19 53	3 6	20 34	0 32	6 28	1 11	2 56	2 33	23 42	0 15	2 38	1 22	1 4	16 1	7 30	7 44	23 28	12 20	7 27
M28	19 10	11 45	0n50	17 32	1 39	20 1	3 3	20 42	0 31	6 31	1 11	2 55	2 33	23 42	0 15	2 37	1 22	1 5	16 2	7 30	7 43	23 31	12 20	7 27
T 29	18 56	16 45	1 51	16 55	1 36	20 9	3 0	20 50	0 30	6 34	1 10	2 55	2 34	23 42	0 15	2 36	1 22	1 5	16 2	7 30	7 41	23 33	12 21	7 27
W30	18 42	21 4	2 46	16 16	1 32	20 16	2 57	20 58	0 29	6 37	1 10	2 55	2 34	23 42	0 15	2 36	1 22	1 5	16 2	7 30	7 40	23 35	12 22	7 27
T 31	18n28	24n32	3n35	15n38	1n27	20n23	2s54	21n 5	0s28	6s40	1n10	2n54	2s34	23n42	0n15	2n35	1n22	1s 5	16s 3	7n29	7n39	23n37	12s23	7n27

Julian Day Number = 2310742.5, Delta T = 71.90 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'36, Lahiri = 18°28'36Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1614
geocentric

AUGUST 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 37 38	8♌22'00	16♊ 1	23♌39	23♊21	7♊50	19♎53	13°R19	3♋16	26♍41	7♉44	18°R58	19♈27	0♊39	2°R28	F 1
S 2	20 41 34	9°19'31	28° 4	25°24	24°23	8°30	20° 1	13♈19	3°19	26°43	7°44	18♈50	19°24	0°45	2♒24	S 2
S 3	20 45 31	10°17'03	10♋18	27° 7	25°26	9°10	20° 9	13°18	3°22	26°45	7°44	18°39	19°21	0°52	2°21	S 3
M 4	20 49 27	11°14'36	22°45	28°49	26°29	9°49	20°17	13°17	3°25	26°46	7°45	18°28	19°18	0°59	2°18	M 4
T 5	20 53 24	12°12'10	5♌27	0♍29	27°32	10°29	20°25	13°16	3°28	26°48	7°45	18°16	19°15	1° 5	2°14	T 5
W 6	20 57 21	13° 9'46	18°23	2° 8	28°36	11° 9	20°33	13°15	3°31	26°50	7°45	18° 6	19°11	1°12	2°11	W 6
T 7	21 1 17	14° 7'22	1♍32	3°45	29°39	11°48	20°41	13°14	3°34	26°51	7°R45	17°57	19° 8	1°19	2° 8	T 7
F 8	21 5 14	15° 5'00	14°53	5°21	0♋43	12°27	20°50	13°12	3°37	26°53	7°45	17°50	19° 5	1°25	2° 4	F 8
S 9	21 9 10	16° 2'39	28°26	6°55	1°48	13° 6	20°58	13°11	3°40	26°55	7°45	17°46	19° 2	1°32	2° 1	S 9
S 10	21 13 7	17° 0'19	12♎ 7	8°28	2°52	13°45	21° 7	13° 9	3°43	26°57	7°45	17°D44	18°59	1°39	1°58	S 10
M11	21 17 3	17°58'00	25°58	9°59	3°57	14°24	21°16	13° 8	3°45	26°58	7°45	17°45	18°56	1°45	1°55	M11
T 12	21 21 0	18°55'42	9♏56	11°28	5° 2	15° 3	21°25	13° 6	3°48	27° 0	7°44	17°45	18°52	1°52	1°52	T 12
W13	21 24 56	19°53'25	24° 3	12°56	6° 7	15°42	21°34	13° 4	3°51	27° 2	7°44	17°R45	18°49	1°59	1°49	W13
T 14	21 28 53	20°51'09	8♐16	14°23	7°12	16°20	21°43	13° 2	3°54	27° 4	7°44	17°44	18°46	2° 6	1°45	T 14
F 15	21 32 50	21°48'55	22°33	15°48	8°17	16°59	21°52	13° 0	3°56	27° 6	7°44	17°41	18°43	2°12	1°42	F 15
S 16	21 36 46	22°46'41	6♑53	17°11	9°23	17°37	22° 1	12°58	3°59	27° 8	7°44	17°35	18°40	2°19	1°39	S 16
S 17	21 40 43	23°44'29	21°10	18°32	10°29	18°15	22°11	12°56	4° 2	27°10	7°44	17°28	18°36	2°26	1°36	S 17
M18	21 44 39	24°42'18	5♒19	19°52	11°35	18°53	22°20	12°54	4° 4	27°12	7°44	17°19	18°33	2°32	1°33	M18
T 19	21 48 36	25°40'08	19°16	21°11	12°41	19°31	22°30	12°52	4° 7	27°14	7°43	17°11	18°30	2°39	1°30	T 19
W20	21 52 32	26°38'00	2♓56	22°27	13°48	20° 9	22°39	12°49	4° 9	27°16	7°43	17° 4	18°27	2°46	1°27	W20
T 21	21 56 29	27°35'53	16°17	23°42	14°55	20°47	22°49	12°47	4°12	27°18	7°43	16°58	18°24	2°52	1°24	T 21
F 22	22 0 25	28°33'48	29°17	24°54	16° 2	21°25	22°59	12°44	4°14	27°20	7°42	16°54	18°21	2°59	1°22	F 22
S 23	22 4 22	29°31'45	11♈57	26° 5	17° 9	22° 2	23° 9	12°41	4°17	27°22	7°42	16°D53	18°17	3° 6	1°19	S 23
S 24	22 8 19	0♍29'43	24°18	27°14	18°16	22°40	23°19	12°38	4°19	27°24	7°42	16°53	18°14	3°12	1°16	S 24
M25	22 12 15	1°27'44	6♉25	28°20	19°23	23°17	23°29	12°36	4°21	27°26	7°41	16°54	18°11	3°19	1°13	M25
T 26	22 16 12	2°25'46	18°22	29°25	20°31	23°54	23°40	12°33	4°24	27°28	7°41	16°55	18° 8	3°26	1°11	T 26
W27	22 20 8	3°23'50	0♊13	0♎27	21°39	24°31	23°50	12°30	4°26	27°30	7°41	16°R56	18° 5	3°32	1° 8	W27
T 28	22 24 5	4°21'56	12° 4	1°26	22°46	25° 8	24° 0	12°26	4°28	27°32	7°40	16°56	18° 2	3°39	1° 5	T 28
F 29	22 28 1	5°20'04	24° 0	2°23	23°55	25°45	24°11	12°23	4°30	27°34	7°40	16°54	17°58	3°46	1° 3	F 29
S 30	22 31 58	6°18'15	6♋ 5	3°17	25° 3	26°21	24°22	12°20	4°33	27°36	7°39	16°50	17°55	3°52	1° 0	S 30
S 31	22 35 54	7♍16'27	18♋24	4♎ 8	26♋11	26♊58	24♎32	12♈17	4♋35	27♍38	7♉39	16♈45	17♈52	3♊59	0♒58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n13	26n58	4n14	14n58	1n23	20n29	2s50	21n13	0s28	6s43	1n10	2n54	2s35	23n42	0n15	2n34	1n22	1s 6	16s 3	7n26	7n38	23n39	12s24	7n27	F 1
S 2	17 58	28 12	4 43	14 18	1 18	20 35	2 47	21 20	0 27	6 46	1 10	2 53	2 35	23 42	0 15	2 34	1 22	1 6	16 3	7 23	7 37	23 41	12 24	7 27	S 2
S 3	17 42	28 4	4 59	13 37	1 12	20 41	2 44	21 27	0 26	6 49	1 9	2 53	2 35	23 42	0 15	2 33	1 22	1 6	16 4	7 20	7 35	23 43	12 25	7 27	S 3
M 4	17 26	26 31	5 1	12 57	1 6	20 46	2 40	21 34	0 25	6 52	1 9	2 52	2 35	23 42	0 15	2 32	1 22	1 6	16 4	7 15	7 34	23 45	12 26	7 27	M 4
T 5	17 10	23 37	4 49	12 15	1 0	20 51	2 37	21 40	0 24	6 56	1 9	2 51	2 36	23 42	0 15	2 32	1 22	1 7	16 4	7 11	7 33	23 47	12 27	7 26	T 5
W 6	16 54	19 30	4 22	11 34	0 53	20 56	2 34	21 47	0 23	6 59	1 9	2 51	2 36	23 42	0 15	2 31	1 22	1 7	16 4	7 7	7 32	23 49	12 28	7 26	W 6
T 7	16 38	14 23	3 40	10 52	0 46	21 0	2 30	21 53	0 22	7 2	1 8	2 50	2 36	23 42	0 15	2 30	1 22	1 7	16 5	7 3	7 31	23 51	12 29	7 26	T 7
F 8	16 21	8 31	2 46	10 11	0 39	21 3	2 26	21 59	0 22	7 6	1 8	2 49	2 36	23 41	0 15	2 29	1 22	1 8	16 5	7 1	7 29	23 53	12 29	7 26	F 8
S 9	16 4	2 10	1 41	9 29	0 32	21 6	2 23	22 5	0 21	7 9	1 8	2 49	2 37	23 41	0 15	2 29	1 22	1 8	16 5	6 59	7 28	23 55	12 30	7 26	S 9
S 10	15 46	4s20	0 30	8 47	0 24	21 9	2 19	22 10	0 20	7 13	1 8	2 48	2 37	23 41	0 15	2 28	1 22	1 8	16 6	6 59	7 27	23 57	12 31	7 26	S 10
M11	15 29	10 44	0s44	8 6	0 16	21 11	2 15	22 16	0 19	7 16	1 8	2 47	2 37	23 41	0 15	2 27	1 22	1 8	16 6	6 59	7 26	23 59	12 32	7 26	M11
T 12	15 11	16 40	1 56	7 24	0 8	21 12	2 12	22 21	0 18	7 20	1 7	2 46	2 38	23 41	0 15	2 26	1 22	1 9	16 6	6 59	7 24	24 1	12 33	7 25	T 12
W13	14 53	21 45	3 2	6 43	0s 0	21 13	2 8	22 26	0 17	7 23	1 7	2 45	2 38	23 41	0 15	2 26	1 22	1 9	16 7	6 59	7 23	24 3	12 34	7 25	W13
T 14	14 35	25 37	3 57	6 2	0 9	21 14	2 4	22 31	0 16	7 27	1 7	2 44	2 38	23 41	0 15	2 25	1 22	1 9	16 7	6 58	7 22	24 5	12 35	7 25	T 14
F 15	14 16	27 54	4 37	5 21	0 17	21 14	2 0	22 36	0 15	7 30	1 7	2 43	2 38	23 41	0 15	2 24	1 22	1 10	16 7	6 57	7 21	24 7	12 35	7 25	F 15
S 16	13 57	28 19	5 0	4 40	0 26	21 14	1 56	22 41	0 14	7 34	1 7	2 42	2 39	23 41	0 15	2 23	1 22	1 10	16 8	6 55	7 20	24 9	12 36	7 25	S 16
S 17	13 38	26 51	5 5	4 0	0 35	21 13	1 52	22 45	0 13	7 38	1 6	2 41	2 39	23 41	0 15	2 23	1 22	1 10	16 8	6 52	7 18	24 11	12 37	7 24	S 17
M18	13 19	23 41	4 51	3 20	0 44	21 11	1 48	22 49	0 12	7 41	1 6	2 40	2 39	23 41	0 15	2 22	1 22	1 11	16 8	6 49	7 17	24 13	12 38	7 24	M18
T 19	12 59	19 11	4 20	2 41	0 53	21 9	1 44	22 53	0 11	7 45	1 6	2 39	2 39	23 41	0 15	2 21	1 22	1 11	16 8	6 46	7 16	24 15	12 39	7 24	T 19
W20	12 40	13 46	3 34	2 3	1 3	21 7	1 40	22 57	0 10	7 49	1 6	2 38	2 39	23 41	0 15	2 20	1 21	1 11	16 9	6 43	7 15	24 17	12 40	7 24	W20
T 21	12 20	7 50	2 37	1 25	1 12	21 4	1 36	23 1	0 9	7 53	1 6	2 36	2 40	23 41	0 15	2 19	1 21	1 12	16 9	6 41	7 14	24 19	12 41	7 23	T 21
F 22	12 0	1 43	1 33	0 47	1 21	21 0	1 32	23 5	0 8	7 56	1 6	2 35	2 40	23 41	0 15	2 19	1 21	1 12	16 9	6 39	7 12	24 21	12 41	7 23	F 22
S 23	11 40	4n19	0 27	0 10	1 31	20 56	1 28	23 8	0 7	8 0	1 5	2 34	2 40	23 41	0 15	2 18	1 21	1 13	16 10	6 39	7 11	24 23	12 42	7 23	S 23
S 24	11 19	10 4	0n40	0s26	1 40	20 51	1 24	23 11	0 6	8 4	1 5	2 33	2 40	23 40	0 15	2 17	1 21	1 13	16 10	6 39	7 10	24 25	12 43	7 22	S 24
M25	10 59	15 19	1 44	1 1	1 49	20 46	1 20	23 14	0 5	8 8	1 5	2 31	2 41	23 40	0 15	2 16	1 21	1 13	16 10	6 39	7 9	24 27	12 44	7 22	M25
T 26	10 38	19 56	2 42	1 35	1 59	20 40	1 16	23 17	0 4	8 12	1 5	2 30	2 41	23 40	0 15	2 15	1 21	1 14	16 10	6 40	7 8	24 29	12 45	7 22	T 26
W27	10 17	23 43	3 33	2 8	2 8	20 33	1 12	23 20	0 3	8 16	1 5	2 28	2 41	23 40	0 15	2 15	1 21	1 14	16 11	6 40	7 6	24 31	12 46	7 22	W27
T 28	9 56	26 30	4 15	2 40	2 17	20 26	1 8	23 22	0 2	8 20	1 4	2 27	2 41	23 40	0 15	2 14	1 21	1 14	16 11	6 40	7 5	24 33	12 47	7 21	T 28
F 29	9 35	28 7	4 46	3 11	2 26	20 19	1 4	23 24	0 1	8 24	1 4	2 26	2 41	23 40	0 15	2 13	1 21	1 15	16 11	6 39	7 4	24 34	12 48	7 21	F 29
S 30	9 13	28 25	5 5	3 41	2 35	20 11	1 0	23 27	0n 0	8 28	1 4	2 24	2 42	23 40	0 15	2 12	1 21	1 15	16 12	6 38	7 3	24 36	12 48	7 21	S 30
S 31	8n52	27n20	5n10	4s 9	2s44	20n 2	0s56	23n29	0n 1	8s32	1n 4	2n23	2s42	23n40	0n15	2n11	1n21	1s16	16s12	6n36	7n 1	24n38	12s49	7n20	S 31

Julian Day Number = 2310773.5, Delta T = 71.81 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'40, Lahiri = 18°28'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

SEPTEMBER 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 39 51	8♍14'41	0♌59	4♎56	27♋20	27♊34	24♎43	12°R13	4♋37	27♍40	7°R39	16°R39	17♈49	4♊ 6	0°R55	M 1
T 2	22 43 48	9°12'57	13°53	5°40	28°28	28°10	24°54	12♈10	4°39	27°42	7♉38	16♈33	17°46	4°13	0♒53	T 2
W 3	22 47 44	10°11'15	27° 5	6°21	29°37	28°46	25° 5	12° 6	4°41	27°45	7°37	16°27	17°42	4°19	0°51	W 3
T 4	22 51 41	11° 9'35	10♍34	6°58	0♌46	29°22	25°16	12° 2	4°43	27°47	7°37	16°22	17°39	4°26	0°48	T 4
F 5	22 55 37	12° 7'56	24°19	7°30	1°55	29°58	25°27	11°59	4°44	27°49	7°36	16°18	17°36	4°33	0°46	F 5
S 6	22 59 34	13° 6'19	8♎17	7°59	3° 4	0♋34	25°38	11°55	4°46	27°51	7°36	16°16	17°33	4°39	0°44	S 6
S 7	23 3 30	14° 4'44	22°24	8°22	4°14	1° 9	25°49	11°51	4°48	27°53	7°35	16°D16	17°30	4°46	0°42	S 7
M 8	23 7 27	15° 3'11	6♏36	8°40	5°23	1°44	26° 1	11°47	4°50	27°55	7°35	16°17	17°27	4°53	0°40	M 8
T 9	23 11 23	16° 1'40	20°50	8°53	6°33	2°19	26°12	11°43	4°51	27°58	7°34	16°19	17°23	4°59	0°38	T 9
W10	23 15 20	17° 0'10	5♐ 5	9° 0	7°43	2°54	26°23	11°39	4°53	28° 0	7°33	16°20	17°20	5° 6	0°36	W10
T 11	23 19 17	17°58'41	19°16	9°R 1	8°53	3°29	26°35	11°35	4°55	28° 2	7°33	16°R21	17°17	5°13	0°34	T 11
F 12	23 23 13	18°57'15	3♑24	8°55	10° 3	4° 4	26°46	11°31	4°56	28° 4	7°32	16°20	17°14	5°19	0°32	F 12
S 13	23 27 10	19°55'50	17°25	8°43	11°13	4°38	26°58	11°27	4°58	28° 6	7°31	16°18	17°11	5°26	0°31	S 13
S 14	23 31 6	20°54'27	1♒17	8°23	12°23	5°13	27°10	11°22	4°59	28° 9	7°31	16°15	17° 8	5°33	0°29	S 14
M15	23 35 3	21°53'05	15° 0	7°57	13°33	5°47	27°22	11°18	5° 1	28°11	7°30	16°11	17° 4	5°39	0°27	M15
T 16	23 38 59	22°51'45	28°30	7°23	14°44	6°21	27°33	11°14	5° 2	28°13	7°29	16° 8	17° 1	5°46	0°26	T 16
W17	23 42 56	23°50'27	11♓45	6°43	15°54	6°55	27°45	11° 9	5° 3	28°15	7°28	16° 5	16°58	5°53	0°24	W17
T 18	23 46 52	24°49'11	24°46	5°55	17° 5	7°28	27°57	11° 5	5° 5	28°18	7°28	16° 2	16°55	6° 0	0°23	T 18
F 19	23 50 49	25°47'57	7♈31	5° 2	18°16	8° 2	28° 9	11° 0	5° 6	28°20	7°27	16° 1	16°52	6° 6	0°21	F 19
S 20	23 54 46	26°46'45	20° 1	4° 4	19°27	8°35	28°21	10°56	5° 7	28°22	7°26	16°D 1	16°48	6°13	0°20	S 20
S 21	23 58 42	27°45'35	2♉16	3° 1	20°38	9° 8	28°33	10°51	5° 8	28°24	7°25	16° 2	16°45	6°20	0°19	S 21
M22	0 2 39	28°44'27	14°21	1°55	21°49	9°41	28°45	10°47	5° 9	28°26	7°24	16° 3	16°42	6°26	0°18	M22
T 23	0 6 35	29°43'21	26°16	0°48	23° 0	10°14	28°58	10°42	5°10	28°29	7°23	16° 4	16°39	6°33	0°16	T 23
W24	0 10 32	0♎42'18	8♊ 8	29♍40	24°12	10°46	29°10	10°38	5°11	28°31	7°23	16° 6	16°36	6°40	0°15	W24
T 25	0 14 28	1°41'17	19°59	28°35	25°23	11°18	29°22	10°33	5°12	28°33	7°22	16° 7	16°33	6°46	0°14	T 25
F 26	0 18 25	2°40'19	1♋54	27°34	26°35	11°50	29°35	10°28	5°13	28°35	7°21	16°R 7	16°29	6°53	0°14	F 26
S 27	0 22 21	3°39'22	13°59	26°37	27°47	12°22	29°47	10°24	5°14	28°38	7°20	16° 7	16°26	7° 0	0°13	S 27
S 28	0 26 18	4°38'29	26°17	25°48	28°58	12°54	29°59	10°19	5°14	28°40	7°19	16° 6	16°23	7° 6	0°12	S 28
M29	0 30 15	5°37'37	8♌53	25° 7	0♍10	13°26	0♏12	10°14	5°15	28°42	7°18	16° 5	16°20	7°13	0°11	M29
T 30	0 34 11	6♎36'47	21♌50	24♍35	1♍22	13♋57	0♏24	10♈ 9	5♋16	28♍44	7♉17	16♈ 4	16♈17	7♊20	0♒11	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n30	24n52	5n 0	4s36	2s53	19n53	0s52	23n30	0n 2	8s36	1n 4	2n21	2s42	23n40	0n15	2n10	1n21	1s16	16s12	6n34	7n 0	24n40	12s50	7n20
T 2	8 8	21 6	4 36	5 2	3 1	19 43	0 48	23 32	0 3	8 40	1 4	2 20	2 42	23 40	0 15	2 9	1 21	1 16	16 12	6 31	6 59	24 42	12 51	7 19
W 3	7 46	16 12	3 56	5 25	3 10	19 33	0 44	23 34	0 4	8 45	1 4	2 18	2 42	23 40	0 15	2 9	1 21	1 17	16 13	6 29	6 58	24 44	12 52	7 19
T 4	7 24	10 26	3 2	5 47	3 17	19 22	0 40	23 35	0 5	8 49	1 3	2 16	2 43	23 40	0 15	2 8	1 21	1 17	16 13	6 27	6 57	24 46	12 53	7 19
F 5	7 2	4 3	1 57	6 7	3 25	19 11	0 36	23 36	0 7	8 53	1 3	2 15	2 43	23 40	0 15	2 7	1 21	1 18	16 13	6 25	6 55	24 48	12 53	7 18
S 6	6 39	2s38	0 44	6 25	3 32	18 59	0 33	23 37	0 8	8 57	1 3	2 13	2 43	23 40	0 15	2 6	1 21	1 18	16 13	6 25	6 54	24 49	12 54	7 18
S 7	6 17	9 15	0s33	6 40	3 38	18 47	0 29	23 38	0 9	9 1	1 3	2 12	2 43	23 40	0 16	2 5	1 21	1 19	16 14	6 25	6 53	24 51	12 55	7 18
M 8	5 54	15 28	1 49	6 52	3 44	18 34	0 25	23 39	0 10	9 6	1 3	2 10	2 43	23 40	0 16	2 4	1 21	1 19	16 14	6 25	6 52	24 53	12 56	7 17
T 9	5 31	20 52	2 58	7 2	3 49	18 20	0 21	23 39	0 11	9 10	1 3	2 8	2 43	23 40	0 16	2 3	1 21	1 19	16 14	6 26	6 51	24 55	12 57	7 17
W10	5 9	25 4	3 56	7 9	3 53	18 6	0 17	23 40	0 12	9 14	1 2	2 6	2 44	23 40	0 16	2 2	1 21	1 20	16 14	6 26	6 49	24 57	12 58	7 16
T 11	4 46	27 42	4 39	7 12	3 57	17 52	0 13	23 40	0 14	9 18	1 2	2 5	2 44	23 40	0 16	2 2	1 21	1 20	16 15	6 26	6 48	24 59	12 58	7 16
F 12	4 23	28 32	5 6	7 12	3 59	17 37	0 10	23 40	0 15	9 23	1 2	2 3	2 44	23 40	0 16	2 1	1 21	1 21	16 15	6 26	6 47	25 0	12 59	7 16
S 13	4 0	27 32	5 13	7 8	4 0	17 21	0 6	23 40	0 16	9 27	1 2	2 1	2 44	23 40	0 16	2 0	1 21	1 21	16 15	6 25	6 46	25 2	13 0	7 15
S 14	3 37	24 50	5 3	7 1	4 0	17 5	0 2	23 40	0 17	9 31	1 2	1 59	2 44	23 40	0 16	1 59	1 21	1 22	16 15	6 24	6 44	25 4	13 1	7 15
M15	3 14	20 45	4 35	6 49	3 59	16 49	0n 1	23 40	0 18	9 36	1 2	1 58	2 44	23 39	0 16	1 58	1 21	1 22	16 16	6 23	6 43	25 6	13 1	7 14
T 16	2 50	15 39	3 52	6 33	3 56	16 32	0 5	23 40	0 20	9 40	1 2	1 56	2 44	23 39	0 16	1 57	1 21	1 22	16 16	6 21	6 42	25 8	13 2	7 14
W17	2 27	9 54	2 58	6 12	3 51	16 14	0 8	23 39	0 21	9 44	1 2	1 54	2 45	23 39	0 16	1 56	1 21	1 23	16 16	6 20	6 41	25 9	13 3	7 13
T 18	2 4	3 50	1 54	5 47	3 44	15 56	0 12	23 39	0 22	9 49	1 1	1 52	2 45	23 39	0 16	1 55	1 21	1 23	16 16	6 19	6 40	25 11	13 4	7 13
F 19	1 40	2n16	0 47	5 18	3 36	15 38	0 15	23 38	0 23	9 53	1 1	1 50	2 45	23 39	0 16	1 55	1 21	1 24	16 16	6 19	6 38	25 13	13 4	7 12
S 20	1 17	8 11	0n22	4 45	3 25	15 19	0 19	23 37	0 25	9 58	1 1	1 48	2 45	23 39	0 16	1 54	1 21	1 24	16 17	6 19	6 37	25 15	13 5	7 12
S 21	0 54	13 40	1 29	4 9	3 13	14 59	0 22	23 36	0 26	10 2	1 1	1 47	2 45	23 39	0 16	1 53	1 21	1 25	16 17	6 19	6 36	25 16	13 6	7 11
M22	0 30	18 34	2 30	3 30	2 58	14 40	0 25	23 35	0 27	10 6	1 1	1 45	2 45	23 39	0 16	1 52	1 21	1 25	16 17	6 20	6 35	25 18	13 7	7 11
T 23	0 7	22 40	3 24	2 48	2 43	14 19	0 28	23 34	0 28	10 11	1 1	1 43	2 45	23 39	0 16	1 51	1 21	1 25	16 17	6 20	6 33	25 20	13 7	7 11
W24	0s17	25 49	4 10	2 5	2 25	13 59	0 32	23 33	0 30	10 15	1 1	1 41	2 45	23 39	0 16	1 50	1 21	1 26	16 17	6 21	6 32	25 22	13 8	7 10
T 25	0 40	27 50	4 44	1 22	2 6	13 38	0 35	23 32	0 31	10 20	1 1	1 39	2 45	23 39	0 16	1 49	1 21	1 26	16 18	6 21	6 31	25 23	13 9	7 10
F 26	1 4	28 36	5 7	0 40	1 47	13 16	0 38	23 30	0 32	10 24	1 0	1 37	2 45	23 39	0 16	1 48	1 21	1 27	16 18	6 21	6 30	25 25	13 9	7 9
S 27	1 27	28 0	5 16	0n 1	1 27	12 54	0 41	23 29	0 34	10 29	1 0	1 35	2 45	23 39	0 16	1 48	1 21	1 27	16 18	6 21	6 29	25 27	13 10	7 9
S 28	1 51	26 2	5 12	0 40	1 6	12 32	0 44	23 27	0 35	10 33	1 0	1 33	2 45	23 39	0 16	1 47	1 21	1 28	16 18	6 21	6 27	25 28	13 11	7 8
M29	2 14	22 46	4 52	1 15	0 46	12 10	0 46	23 25	0 37	10 38	1 0	1 32	2 45	23 39	0 16	1 46	1 21	1 28	16 18	6 20	6 26	25 30	13 11	7 8
T 30	2s38	18n19	4n17	1n45	0s26	11n47	0n49	23n23	0n38	10s42	1n 0	1n30	2s45	23n39	0n16	1n45	1n21	1s29	16s18	6n20	6n25	25n32	13s12	7n 7

Julian Day Number = 2310804.5, Delta T = 71.73 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'44, Lahiri = 18°28'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

OCTOBER 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 38 8	7♎36'00	5♍10	24°R14	2♍34	14♋28	0♏37	10°R 5	5♋16	28♍46	7°R16	16°R 2	16♈13	7♊26	0°R10	W 1
T 2	0 42 4	8°35'15	18°53	24♍ 3	3°47	14°59	0°50	10♈ 0	5°17	28°49	7♉15	16♈ 1	16°10	7°33	0♒ 9	T 2
F 3	0 46 1	9°34'33	2♎57	24°D 2	4°59	15°29	1° 2	9°55	5°17	28°51	7°14	16° 1	16° 7	7°40	0° 9	F 3
S 4	0 49 57	10°33'52	17°18	24°13	6°11	16° 0	1°15	9°50	5°18	28°53	7°13	16°D 1	16° 4	7°47	0° 9	S 4
S 5	0 53 54	11°33'13	1♏52	24°33	7°24	16°30	1°28	9°46	5°18	28°55	7°12	16° 1	16° 1	7°53	0° 8	S 5
M 6	0 57 50	12°32'36	16°32	25° 4	8°36	17° 0	1°40	9°41	5°18	28°57	7°11	16° 1	15°58	8° 0	0° 8	M 6
T 7	1 1 47	13°32'02	1♐11	25°44	9°49	17°29	1°53	9°36	5°19	29° 0	7°10	16° 2	15°54	8° 7	0° 8	T 7
W 8	1 5 44	14°31'29	15°45	26°32	11° 1	17°58	2° 6	9°31	5°19	29° 2	7° 9	16° 2	15°51	8°13	0° 8	W 8
T 9	1 9 40	15°30'58	0♑ 7	27°28	12°14	18°28	2°19	9°27	5°19	29° 4	7° 8	16° 2	15°48	8°20	0°D 8	T 9
F 10	1 13 37	16°30'29	14°16	28°32	13°27	18°56	2°32	9°22	5°19	29° 6	7° 7	16° 2	15°45	8°27	0° 8	F 10
S 11	1 17 33	17°30'01	28° 9	29°41	14°40	19°25	2°45	9°17	5°R19	29° 8	7° 6	16° 2	15°42	8°33	0° 8	S 11
S 12	1 21 30	18°29'35	11♒46	0♎56	15°53	19°53	2°58	9°13	5°19	29°10	7° 5	16° 2	15°39	8°40	0° 8	S 12
M13	1 25 26	19°29'11	25° 7	2°16	17° 6	20°21	3°11	9° 8	5°19	29°13	7° 4	16° 2	15°35	8°47	0° 8	M13
T 14	1 29 23	20°28'49	8♓13	3°39	18°19	20°49	3°24	9° 3	5°19	29°15	7° 3	16° 3	15°32	8°54	0° 9	T 14
W15	1 33 19	21°28'28	21° 5	5° 6	19°32	21°16	3°37	8°59	5°19	29°17	7° 2	16° 3	15°29	9° 0	0° 9	W15
T 16	1 37 16	22°28'09	3♈44	6°36	20°45	21°44	3°50	8°54	5°18	29°19	7° 1	16° 4	15°26	9° 7	0°10	T 16
F 17	1 41 12	23°27'52	16°11	8° 9	21°59	22°10	4° 3	8°50	5°18	29°21	7° 0	16°R 4	15°23	9°14	0°10	F 17
S 18	1 45 9	24°27'37	28°28	9°43	23°12	22°37	4°16	8°45	5°18	29°23	6°59	16° 4	15°19	9°20	0°11	S 18
S 19	1 49 6	25°27'24	10♉35	11°19	24°26	23° 3	4°29	8°41	5°17	29°25	6°58	16° 3	15°16	9°27	0°12	S 19
M20	1 53 2	26°27'14	22°34	12°56	25°39	23°29	4°42	8°36	5°17	29°27	6°56	16° 2	15°13	9°34	0°12	M20
T 21	1 56 59	27°27'05	4♊27	14°33	26°53	23°55	4°55	8°32	5°17	29°29	6°55	16° 0	15°10	9°40	0°13	T 21
W22	2 0 55	28°26'59	16°18	16°12	28° 6	24°20	5° 8	8°28	5°16	29°31	6°54	15°58	15° 7	9°47	0°14	W22
T 23	2 4 52	29°26'54	28° 9	17°51	29°20	24°45	5°21	8°23	5°15	29°33	6°53	15°56	15° 4	9°54	0°15	T 23
F 24	2 8 48	0♏26'52	10♋ 3	19°31	0♎34	25°10	5°34	8°19	5°15	29°35	6°52	15°55	15° 0	10° 0	0°16	F 24
S 25	2 12 45	1°26'52	22° 5	21°10	1°48	25°34	5°48	8°15	5°14	29°37	6°51	15°54	14°57	10° 7	0°17	S 25
S 26	2 16 41	2°26'54	4♌20	22°50	3° 2	25°58	6° 1	8°11	5°13	29°39	6°50	15°D54	14°54	10°14	0°18	S 26
M27	2 20 38	3°26'58	16°52	24°30	4°15	26°21	6°14	8° 7	5°13	29°41	6°49	15°54	14°51	10°21	0°20	M27
T 28	2 24 35	4°27'05	29°44	26° 9	5°29	26°45	6°27	8° 3	5°12	29°43	6°47	15°55	14°48	10°27	0°21	T 28
W29	2 28 31	5°27'13	13♍ 1	27°49	6°44	27° 7	6°40	7°59	5°11	29°45	6°46	15°57	14°45	10°34	0°22	W29
T 30	2 32 28	6°27'24	26°44	29°28	7°58	27°30	6°54	7°55	5°10	29°47	6°45	15°58	14°41	10°41	0°24	T 30
F 31	2 36 24	7♏27'36	10♎54	1♏ 7	9♎12	27♋52	7♏ 7	7♈51	5♋ 9	29♍49	6♉44	15°R59	14♈38	10♊47	0♒25	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3s 1	12n51	3n28	2n11	0s 7	11n23	0n52	23n21	0n39	10s47	1n 0	1n28	2s45	23n39	0n16	1n44	1n21	1s29	16s19	6n19	6n24	25n34	13s12	7n 7
T 2	3 25	6 38	2 25	2 32	0n11	11 0	0 55	23 19	0 41	10 51	1 0	1 26	2 46	23 39	0 16	1 43	1 21	1 29	16 19	6 19	6 22	25 35	13 13	7 6
F 3	3 48	0s 4	1 12	2 48	0 28	10 36	0 57	23 17	0 42	10 56	1 0	1 24	2 46	23 39	0 16	1 42	1 21	1 30	16 19	6 19	6 21	25 37	13 14	7 6
S 4	4 11	6 55	0s 7	2 58	0 44	10 11	1 0	23 15	0 44	11 0	1 0	1 22	2 46	23 39	0 16	1 41	1 22	1 30	16 19	6 19	6 20	25 39	13 14	7 5
S 5	4 35	13 30	1 27	3 3	0 58	9 47	1 2	23 13	0 45	11 5	1 0	1 20	2 46	23 39	0 16	1 41	1 22	1 31	16 19	6 19	6 19	25 40	13 15	7 5
M 6	4 58	19 23	2 41	3 3	1 10	9 22	1 5	23 11	0 47	11 9	0 59	1 18	2 46	23 39	0 16	1 40	1 22	1 31	16 19	6 19	6 18	25 42	13 15	7 4
T 7	5 21	24 7	3 45	2 57	1 22	8 56	1 7	23 8	0 48	11 14	0 59	1 17	2 46	23 39	0 16	1 39	1 22	1 32	16 19	6 19	6 16	25 43	13 16	7 4
W 8	5 44	27 16	4 34	2 47	1 31	8 31	1 9	23 6	0 49	11 18	0 59	1 15	2 46	23 39	0 16	1 38	1 22	1 32	16 20	6 19	6 15	25 45	13 16	7 3
T 9	6 7	28 35	5 5	2 32	1 40	8 5	1 11	23 4	0 51	11 23	0 59	1 13	2 46	23 39	0 16	1 37	1 22	1 32	16 20	6 19	6 14	25 47	13 17	7 3
F 10	6 30	27 59	5 17	2 13	1 46	7 39	1 14	23 1	0 53	11 27	0 59	1 11	2 45	23 39	0 16	1 36	1 22	1 33	16 20	6 19	6 13	25 48	13 17	7 2
S 11	6 53	25 38	5 10	1 50	1 52	7 13	1 16	22 59	0 54	11 32	0 59	1 9	2 45	23 39	0 16	1 35	1 22	1 33	16 20	6 19	6 11	25 50	13 18	7 2
S 12	7 16	21 52	4 46	1 24	1 56	6 46	1 18	22 56	0 56	11 36	0 59	1 7	2 45	23 39	0 16	1 35	1 22	1 34	16 20	6 19	6 10	25 52	13 18	7 1
M13	7 38	17 2	4 7	0 55	1 59	6 20	1 19	22 53	0 57	11 41	0 59	1 6	2 45	23 39	0 16	1 34	1 22	1 34	16 20	6 19	6 9	25 53	13 19	7 0
T 14	8 1	11 31	3 15	0 24	2 1	5 53	1 21	22 51	0 59	11 45	0 59	1 4	2 45	23 39	0 16	1 33	1 22	1 34	16 20	6 20	6 8	25 55	13 19	7 0
W15	8 23	5 36	2 14	0s10	2 2	5 25	1 23	22 48	1 0	11 50	0 59	1 2	2 45	23 39	0 16	1 32	1 22	1 35	16 20	6 20	6 7	25 56	13 20	6 59
T 16	8 46	0n27	1 8	0 45	2 2	4 58	1 25	22 45	1 2	11 54	0 59	1 0	2 45	23 40	0 16	1 31	1 22	1 35	16 20	6 20	6 5	25 58	13 20	6 59
F 17	9 8	6 24	0n 1	1 22	2 2	4 30	1 26	22 43	1 4	11 59	0 59	0 59	2 45	23 40	0 16	1 31	1 22	1 36	16 20	6 20	6 4	25 59	13 20	6 58
S 18	9 30	12 1	1 8	2 1	2 0	4 3	1 28	22 40	1 5	12 3	0 59	0 57	2 45	23 40	0 16	1 30	1 22	1 36	16 20	6 20	6 3	26 1	13 21	6 58
S 19	9 52	17 7	2 12	2 40	1 58	3 35	1 29	22 37	1 7	12 7	0 58	0 55	2 45	23 40	0 17	1 29	1 22	1 36	16 20	6 20	6 2	26 3	13 21	6 57
M20	10 14	21 29	3 9	3 21	1 55	3 7	1 30	22 34	1 9	12 12	0 58	0 54	2 45	23 40	0 17	1 28	1 22	1 37	16 20	6 19	6 0	26 4	13 21	6 57
T 21	10 35	24 57	3 57	4 2	1 52	2 39	1 32	22 32	1 10	12 16	0 58	0 52	2 45	23 40	0 17	1 27	1 22	1 37	16 21	6 18	5 59	26 6	13 22	6 56
W22	10 57	27 20	4 35	4 43	1 48	2 10	1 33	22 29	1 12	12 21	0 58	0 50	2 45	23 40	0 17	1 27	1 22	1 38	16 21	6 18	5 58	26 7	13 22	6 56
T 23	11 18	28 30	5 1	5 25	1 44	1 42	1 34	22 26	1 14	12 25	0 58	0 49	2 45	23 40	0 17	1 26	1 22	1 38	16 21	6 17	5 57	26 9	13 22	6 55
F 24	11 39	28 20	5 14	6 7	1 39	1 14	1 35	22 23	1 16	12 30	0 58	0 47	2 45	23 40	0 17	1 25	1 22	1 38	16 21	6 16	5 55	26 10	13 23	6 55
S 25	12 0	26 50	5 14	6 49	1 34	0 45	1 36	22 21	1 18	12 34	0 58	0 46	2 44	23 40	0 17	1 24	1 22	1 39	16 21	6 16	5 54	26 12	13 23	6 54
S 26	12 21	24 4	5 0	7 31	1 29	0 16	1 37	22 18	1 19	12 39	0 58	0 44	2 44	23 40	0 17	1 24	1 22	1 39	16 21	6 16	5 53	26 13	13 23	6 54
M27	12 42	20 7	4 31	8 13	1 24	0s12	1 37	22 15	1 21	12 43	0 58	0 43	2 44	23 40	0 17	1 23	1 22	1 39	16 21	6 16	5 52	26 15	13 23	6 53
T 28	13 2	15 9	3 48	8 55	1 18	0 41	1 38	22 13	1 23	12 47	0 58	0 41	2 44	23 40	0 17	1 22	1 22	1 40	16 21	6 17	5 51	26 16	13 24	6 53
W29	13 22	9 20	2 52	9 36	1 12	1 10	1 39	22 10	1 25	12 52	0 58	0 40	2 44	23 40	0 17	1 21	1 22	1 40	16 21	6 17	5 49	26 18	13 24	6 52
T 30	13 42	2 53	1 44	10 17	1 6	1 39	1 39	22 7	1 27	12 56	0 58	0 38	2 44	23 40	0 17	1 21	1 22	1 40	16 21	6 18	5 48	26 19	13 24	6 52
F 31	14s 2	3s54	0n28	10s57	0n59	2s 7	1n40	22n 5	1n29	13s 0	0n58	0n37	2s44	23n40	0n17	1n20	1n22	1s41	16s21	6n18	5n47	26n21	13s24	6n51

Julian Day Number = 2310834.5, Delta T = 71.64 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'48, Lahiri = 18°28'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

NOVEMBER 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 40 21	8♏27'51	25♎28	2♏45	10♎26	28♋13	7♏20	7°R47	5°R 8	29♍51	6°R43	15°R59	14♈35	10♊54	0♒27	S 1
S 2	2 44 17	9°28'07	10♏21	4°24	11°40	28°35	7°33	7♈44	5♋ 7	29°52	6♉42	15♈57	14°32	11° 1	0°29	S 2
M 3	2 48 14	10°28'26	25°25	6° 1	12°55	28°55	7°46	7°40	5° 6	29°54	6°41	15°55	14°29	11° 7	0°30	M 3
T 4	2 52 10	11°28'46	10♐31	7°39	14° 9	29°16	8° 0	7°37	5° 4	29°56	6°40	15°51	14°25	11°14	0°32	T 4
W 5	2 56 7	12°29'07	25°28	9°16	15°23	29°35	8°13	7°33	5° 3	29°58	6°38	15°47	14°22	11°21	0°34	W 5
T 6	3 0 4	13°29'30	10♑11	10°53	16°38	29°55	8°26	7°30	5° 2	29°59	6°37	15°44	14°19	11°28	0°36	T 6
F 7	3 4 0	14°29'55	24°32	12°30	17°52	0♌14	8°39	7°27	5° 1	0♎ 1	6°36	15°41	14°16	11°34	0°38	F 7
S 8	3 7 57	15°30'21	8♒30	14° 6	19° 7	0°32	8°52	7°23	4°59	0° 3	6°35	15°40	14°13	11°41	0°40	S 8
S 9	3 11 53	16°30'48	22° 4	15°43	20°21	0°50	9° 6	7°20	4°58	0° 5	6°34	15°D40	14°10	11°48	0°42	S 9
M10	3 15 50	17°31'16	5♓15	17°18	21°36	1° 8	9°19	7°17	4°56	0° 6	6°33	15°41	14° 6	11°54	0°44	M10
T 11	3 19 46	18°31'46	18° 6	18°54	22°50	1°25	9°32	7°14	4°55	0° 8	6°32	15°42	14° 3	12° 1	0°47	T 11
W12	3 23 43	19°32'17	0♈41	20°29	24° 5	1°41	9°45	7°11	4°53	0° 9	6°31	15°44	14° 0	12° 8	0°49	W12
T 13	3 27 39	20°32'49	13° 3	22° 4	25°20	1°57	9°58	7° 8	4°52	0°11	6°30	15°R45	13°57	12°14	0°51	T 13
F 14	3 31 36	21°33'23	25°14	23°39	26°34	2°13	10°11	7° 6	4°50	0°13	6°28	15°45	13°54	12°21	0°54	F 14
S 15	3 35 33	22°33'58	7♉18	25°13	27°49	2°27	10°24	7° 3	4°48	0°14	6°27	15°42	13°50	12°28	0°56	S 15
S 16	3 39 29	23°34'34	19°16	26°47	29° 4	2°42	10°37	7° 1	4°46	0°16	6°26	15°38	13°47	12°35	0°59	S 16
M17	3 43 26	24°35'12	1♊10	28°21	0♏19	2°56	10°50	6°58	4°45	0°17	6°25	15°32	13°44	12°41	1° 1	M17
T 18	3 47 22	25°35'52	13° 2	29°55	1°34	3° 9	11° 3	6°56	4°43	0°19	6°24	15°25	13°41	12°48	1° 4	T 18
W19	3 51 19	26°36'33	24°53	1♐29	2°48	3°21	11°16	6°54	4°41	0°20	6°23	15°17	13°38	12°55	1° 7	W19
T 20	3 55 15	27°37'15	6♋45	3° 3	4° 3	3°33	11°29	6°52	4°39	0°21	6°22	15° 8	13°35	13° 1	1°10	T 20
F 21	3 59 12	28°37'59	18°41	4°36	5°18	3°45	11°42	6°49	4°37	0°23	6°21	15° 1	13°31	13° 8	1°13	F 21
S 22	4 3 9	29°38'45	0♌44	6°10	6°33	3°56	11°55	6°48	4°35	0°24	6°20	14°55	13°28	13°15	1°15	S 22
S 23	4 7 5	0♐39'32	12°57	7°43	7°48	4° 6	12° 8	6°46	4°33	0°25	6°19	14°51	13°25	13°22	1°18	S 23
M24	4 11 2	1°40'20	25°23	9°16	9° 3	4°15	12°21	6°44	4°31	0°27	6°18	14°49	13°22	13°28	1°21	M24
T 25	4 14 58	2°41'10	8♏ 9	10°49	10°18	4°24	12°34	6°42	4°29	0°28	6°17	14°D49	13°19	13°35	1°25	T 25
W26	4 18 55	3°42'01	21°16	12°22	11°33	4°32	12°47	6°41	4°27	0°29	6°16	14°50	13°16	13°42	1°28	W26
T 27	4 22 51	4°42'54	4♎50	13°55	12°48	4°40	12°59	6°39	4°25	0°31	6°15	14°51	13°12	13°48	1°31	T 27
F 28	4 26 48	5°43'48	18°52	15°28	14° 3	4°47	13°12	6°38	4°23	0°32	6°14	14°R52	13° 9	13°55	1°34	F 28
S 29	4 30 44	6°44'44	3♏22	17° 1	15°18	4°53	13°25	6°37	4°21	0°33	6°13	14°50	13° 6	14° 2	1°37	S 29
S 30	4 34 41	7♐45'40	18♏17	18♐34	16♏34	4♌58	13♏37	6♈36	4♋18	0♎34	6♉12	14♈46	13♈ 3	14♊ 8	1♒41	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s21	10s41	0s52	11s38	0n53	2s36	1n40	22n 2	1n31	13s 5	0n58	0n36	2s43	23n40	0n17	1n19	1n22	1s41	16s21	6n18	5n46	26n22	13s24	6n51
S 2	14 41	17 1	2 10	12 17	0 46	3 5	1 40	22 0	1 33	13 9	0 58	0 34	2 43	23 40	0 17	1 19	1 22	1 41	16 21	6 17	5 44	26 24	13 25	6 50
M 3	15 0	22 24	3 20	12 56	0 40	3 34	1 41	21 58	1 35	13 13	0 58	0 33	2 43	23 40	0 17	1 18	1 22	1 42	16 20	6 16	5 43	26 25	13 25	6 50
T 4	15 19	26 18	4 16	13 34	0 33	4 3	1 41	21 55	1 37	13 18	0 58	0 32	2 43	23 41	0 17	1 17	1 22	1 42	16 20	6 15	5 42	26 26	13 25	6 49
W 5	15 37	28 19	4 54	14 12	0 26	4 31	1 41	21 53	1 39	13 22	0 58	0 31	2 43	23 41	0 17	1 16	1 22	1 42	16 20	6 14	5 41	26 28	13 25	6 49
T 6	15 55	28 17	5 12	14 49	0 20	5 0	1 41	21 51	1 41	13 26	0 58	0 29	2 43	23 41	0 17	1 16	1 22	1 42	16 20	6 12	5 39	26 29	13 25	6 48
F 7	16 13	26 20	5 10	15 25	0 13	5 28	1 41	21 49	1 43	13 30	0 58	0 28	2 42	23 41	0 17	1 15	1 22	1 43	16 20	6 11	5 38	26 31	13 25	6 48
S 8	16 31	22 49	4 49	16 0	0 6	5 57	1 41	21 47	1 45	13 35	0 58	0 27	2 42	23 41	0 17	1 15	1 23	1 43	16 20	6 11	5 37	26 32	13 25	6 47
S 9	16 49	18 10	4 12	16 35	0s 0	6 25	1 40	21 45	1 47	13 39	0 58	0 26	2 42	23 41	0 17	1 14	1 23	1 43	16 20	6 11	5 36	26 34	13 25	6 47
M10	17 6	12 46	3 24	17 9	0 7	6 54	1 40	21 43	1 49	13 43	0 57	0 25	2 42	23 41	0 17	1 13	1 23	1 44	16 20	6 11	5 35	26 35	13 25	6 46
T 11	17 23	6 57	2 25	17 42	0 14	7 22	1 40	21 42	1 51	13 47	0 57	0 24	2 42	23 41	0 17	1 13	1 23	1 44	16 20	6 12	5 33	26 36	13 25	6 46
W12	17 39	0 58	1 21	18 14	0 20	7 50	1 39	21 40	1 53	13 52	0 57	0 23	2 42	23 41	0 17	1 12	1 23	1 44	16 20	6 12	5 32	26 38	13 25	6 46
T 13	17 56	4n56	0 15	18 45	0 27	8 17	1 39	21 39	1 56	13 56	0 57	0 22	2 41	23 41	0 17	1 11	1 23	1 44	16 20	6 13	5 31	26 39	13 25	6 45
F 14	18 12	10 35	0n52	19 16	0 33	8 45	1 38	21 37	1 58	14 0	0 57	0 21	2 41	23 41	0 17	1 11	1 23	1 45	16 20	6 13	5 30	26 40	13 25	6 45
S 15	18 27	15 47	1 55	19 45	0 40	9 12	1 37	21 36	2 0	14 4	0 57	0 21	2 41	23 41	0 17	1 10	1 23	1 45	16 20	6 12	5 28	26 42	13 25	6 44
S 16	18 42	20 20	2 52	20 14	0 46	9 40	1 36	21 35	2 2	14 8	0 57	0 20	2 41	23 41	0 17	1 10	1 23	1 45	16 19	6 10	5 27	26 43	13 25	6 44
M17	18 57	24 3	3 41	20 41	0 52	10 7	1 36	21 34	2 5	14 12	0 57	0 19	2 40	23 42	0 17	1 9	1 23	1 45	16 19	6 8	5 26	26 45	13 25	6 43
T 18	19 12	26 44	4 21	21 8	0 58	10 34	1 35	21 33	2 7	14 16	0 57	0 18	2 40	23 42	0 17	1 9	1 23	1 45	16 19	6 5	5 25	26 46	13 24	6 43
W19	19 26	28 13	4 49	21 33	1 4	11 0	1 34	21 33	2 9	14 20	0 57	0 18	2 40	23 42	0 17	1 8	1 23	1 46	16 19	6 2	5 23	26 47	13 24	6 42
T 20	19 40	28 24	5 5	21 57	1 10	11 27	1 33	21 32	2 12	14 24	0 57	0 17	2 40	23 42	0 17	1 8	1 23	1 46	16 19	5 59	5 22	26 49	13 24	6 42
F 21	19 54	27 16	5 8	22 21	1 16	11 53	1 32	21 32	2 14	14 28	0 57	0 16	2 40	23 42	0 17	1 7	1 23	1 46	16 19	5 56	5 21	26 50	13 24	6 42
S 22	20 7	24 52	4 57	22 43	1 21	12 19	1 30	21 31	2 16	14 32	0 57	0 16	2 39	23 42	0 17	1 7	1 23	1 46	16 19	5 53	5 20	26 51	13 24	6 41
S 23	20 20	21 19	4 32	23 4	1 26	12 44	1 29	21 31	2 19	14 36	0 57	0 15	2 39	23 42	0 17	1 6	1 23	1 46	16 18	5 52	5 18	26 52	13 24	6 41
M24	20 32	16 46	3 55	23 24	1 32	13 9	1 28	21 31	2 21	14 40	0 57	0 15	2 39	23 42	0 17	1 6	1 23	1 46	16 18	5 51	5 17	26 54	13 23	6 40
T 25	20 45	11 23	3 5	23 43	1 37	13 34	1 27	21 32	2 24	14 44	0 57	0 14	2 39	23 42	0 17	1 5	1 23	1 47	16 18	5 51	5 16	26 55	13 23	6 40
W26	20 56	5 22	2 4	24 0	1 41	13 59	1 25	21 32	2 26	14 48	0 57	0 14	2 38	23 42	0 17	1 5	1 23	1 47	16 18	5 52	5 15	26 56	13 23	6 39
T 27	21 8	1s 6	0 54	24 16	1 46	14 23	1 24	21 33	2 29	14 52	0 57	0 14	2 38	23 42	0 17	1 4	1 23	1 47	16 18	5 52	5 13	26 58	13 22	6 39
F 28	21 18	7 44	0s22	24 31	1 50	14 47	1 22	21 34	2 31	14 55	0 57	0 13	2 38	23 42	0 17	1 4	1 23	1 47	16 18	5 52	5 12	26 59	13 22	6 39
S 29	21 29	14 12	1 38	24 45	1 54	15 11	1 21	21 35	2 34	14 59	0 57	0 13	2 38	23 43	0 17	1 3	1 23	1 47	16 17	5 52	5 11	27 0	13 22	6 38
S 30	21s39	20s 1	2s49	24s57	1s58	15s34	1n19	21n36	2n37	15s 3	0n57	0n13	2s37	23n43	0n17	1n 3	1n24	1s47	16s17	5n50	5n10	27n 1	13s22	6n38

Julian Day Number = 2310865.5, Delta T = 71.56 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'53, Lahiri = 18°28'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1614
geocentric

DECEMBER 1614 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 38 38	8♐46'38	3♐29	20♐ 6	17♏49	5♌ 3	13♏50	6°R35	4°R16	0♎35	6°R11	14°R40	13♈ 0	14♊15	1♒44	M 1
T 2	4 42 34	9°47'37	18°49	21°39	19° 4	5° 6	14° 3	6♈34	4♋14	0°36	6♉10	14♈32	12°56	14°22	1°48	T 2
W 3	4 46 31	10°48'38	4♑ 5	23°11	20°19	5° 9	14°15	6°33	4°12	0°37	6° 9	14°23	12°53	14°29	1°51	W 3
T 4	4 50 27	11°49'38	19° 7	24°43	21°34	5°12	14°28	6°32	4° 9	0°38	6° 9	14°14	12°50	14°35	1°55	T 4
F 5	4 54 24	12°50'40	3♒45	26°15	22°49	5°13	14°40	6°32	4° 7	0°39	6° 8	14° 7	12°47	14°42	1°58	F 5
S 6	4 58 20	13°51'42	17°56	27°47	24° 5	5°R14	14°53	6°31	4° 5	0°40	6° 7	14° 1	12°44	14°49	2° 2	S 6
S 7	5 2 17	14°52'44	1♓36	29°19	25°20	5°14	15° 5	6°31	4° 2	0°41	6° 6	13°58	12°41	14°55	2° 5	S 7
M 8	5 6 13	15°53'47	14°49	0♑50	26°35	5°13	15°17	6°31	4° 0	0°42	6° 5	13°D58	12°37	15° 2	2° 9	M 8
T 9	5 10 10	16°54'51	27°38	2°20	27°50	5°12	15°29	6°31	3°57	0°43	6° 4	13°58	12°34	15° 9	2°13	T 9
W10	5 14 7	17°55'54	10♈ 6	3°50	29° 6	5° 9	15°42	6°D31	3°55	0°43	6° 3	13°R59	12°31	15°16	2°17	W10
T 11	5 18 3	18°56'58	22°19	5°20	0♗21	5° 6	15°54	6°31	3°52	0°44	6° 3	13°58	12°28	15°22	2°21	T 11
F 12	5 22 0	19°58'03	4♉21	6°48	1°36	5° 2	16° 6	6°31	3°50	0°45	6° 2	13°56	12°25	15°29	2°24	F 12
S 13	5 25 56	20°59'08	16°16	8°16	2°51	4°57	16°18	6°31	3°47	0°46	6° 1	13°51	12°22	15°36	2°28	S 13
S 14	5 29 53	22° 0'14	28° 8	9°42	4° 7	4°51	16°30	6°32	3°45	0°46	6° 0	13°44	12°18	15°42	2°32	S 14
M15	5 33 49	23° 1'20	9♊59	11° 7	5°22	4°45	16°42	6°32	3°42	0°47	6° 0	13°33	12°15	15°49	2°36	M15
T 16	5 37 46	24° 2'26	21°51	12°30	6°37	4°37	16°53	6°33	3°40	0°48	5°59	13°20	12°12	15°56	2°40	T 16
W17	5 41 42	25° 3'33	3♋45	13°51	7°53	4°29	17° 5	6°34	3°37	0°48	5°58	13° 6	12° 9	16° 3	2°44	W17
T 18	5 45 39	26° 4'40	15°42	15°10	9° 8	4°20	17°17	6°35	3°35	0°49	5°58	12°52	12° 6	16° 9	2°49	T 18
F 19	5 49 36	27° 5'48	27°45	16°26	10°23	4°10	17°29	6°36	3°32	0°49	5°57	12°39	12° 3	16°16	2°53	F 19
S 20	5 53 32	28° 6'56	9♌54	17°39	11°38	4° 0	17°40	6°37	3°30	0°50	5°56	12°28	11°59	16°23	2°57	S 20
S 21	5 57 29	29° 8'05	22°11	18°48	12°54	3°48	17°52	6°38	3°27	0°50	5°56	12°20	11°56	16°29	3° 1	S 21
M22	6 1 25	0♑ 9'14	4♍40	19°52	14° 9	3°36	18° 3	6°39	3°25	0°51	5°55	12°15	11°53	16°36	3° 5	M22
T 23	6 5 22	1°10'24	17°23	20°51	15°25	3°23	18°14	6°41	3°22	0°51	5°54	12°13	11°50	16°43	3°10	T 23
W24	6 9 18	2°11'34	0♎25	21°45	16°40	3° 9	18°26	6°42	3°19	0°51	5°54	12°D12	11°47	16°49	3°14	W24
T 25	6 13 15	3°12'44	13°49	22°31	17°55	2°54	18°37	6°44	3°17	0°51	5°53	12°R12	11°43	16°56	3°18	T 25
F 26	6 17 11	4°13'55	27°37	23°10	19°11	2°39	18°48	6°46	3°14	0°52	5°53	12°11	11°40	17° 3	3°23	F 26
S 27	6 21 8	5°15'07	11♏52	23°41	20°26	2°22	18°59	6°47	3°12	0°52	5°52	12° 9	11°37	17°10	3°27	S 27
S 28	6 25 5	6°16'18	26°33	24° 2	21°41	2° 5	19°10	6°49	3° 9	0°52	5°52	12° 4	11°34	17°16	3°32	S 28
M29	6 29 1	7°17'30	11♐34	24°R12	22°57	1°48	19°21	6°51	3° 6	0°52	5°51	11°56	11°31	17°23	3°36	M29
T 30	6 32 58	8°18'42	26°48	24°12	24°12	1°30	19°32	6°54	3° 4	0°52	5°51	11°45	11°28	17°30	3°41	T 30
W31	6 36 54	9♑19'55	12♑ 4	24♑ 0	25♐27	1♌11	19♏43	6♈56	3♋ 1	0♎53	5♉50	11♈33	11♈24	17♊36	3♒45	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21 s49	24 s40	3 s50	25 s 8	2 s 1	15 s56	1 n17	21 n37	2 n39	15 s 7	0 n57	0 n13	2 s37	23 n43	0 n17	1 n 3	1 n24	1 s47	16 s17	5 n48	5 n 9	27 n 3	13 s21	6 n38
T 2	21 58	27 35	4 35	25 18	2 4	16 19	1 16	21 39	2 42	15 11	0 57	0 13	2 37	23 43	0 17	1 2	1 24	1 47	16 17	5 44	5 7	27 4	13 21	6 37
W 3	22 7	28 26	5 0	25 26	2 7	16 41	1 14	21 41	2 44	15 14	0 57	0 13	2 37	23 43	0 17	1 2	1 24	1 48	16 17	5 41	5 6	27 5	13 20	6 37
T 4	22 15	27 8	5 4	25 33	2 10	17 2	1 12	21 43	2 47	15 18	0 57	0 13	2 36	23 43	0 17	1 2	1 24	1 48	16 16	5 38	5 5	27 6	13 20	6 36
F 5	22 23	24 0	4 47	25 38	2 12	17 23	1 10	21 45	2 50	15 22	0 57	0 13	2 36	23 43	0 17	1 1	1 24	1 48	16 16	5 35	5 4	27 7	13 20	6 36
S 6	22 31	19 31	4 14	25 42	2 14	17 44	1 8	21 47	2 52	15 25	0 57	0 13	2 36	23 43	0 17	1 1	1 24	1 48	16 16	5 33	5 2	27 9	13 19	6 36
S 7	22 38	14 8	3 26	25 45	2 15	18 4	1 6	21 50	2 55	15 29	0 57	0 13	2 36	23 43	0 17	1 1	1 24	1 48	16 16	5 31	5 1	27 10	13 19	6 35
M 8	22 45	8 17	2 29	25 45	2 16	18 24	1 4	21 53	2 58	15 32	0 57	0 13	2 35	23 43	0 18	1 0	1 24	1 48	16 15	5 31	5 0	27 11	13 18	6 35
T 9	22 51	2 16	1 26	25 45	2 17	18 43	1 2	21 56	3 1	15 36	0 58	0 13	2 35	23 43	0 18	1 0	1 24	1 48	16 15	5 31	4 59	27 12	13 18	6 35
W10	22 57	3 n41	0 21	25 43	2 17	19 1	1 0	21 59	3 3	15 39	0 58	0 13	2 35	23 44	0 18	1 0	1 24	1 48	16 15	5 31	4 57	27 13	13 17	6 34
T 11	23 2	9 23	0 n44	25 39	2 16	19 19	0 58	22 2	3 6	15 43	0 58	0 14	2 35	23 44	0 18	0 59	1 24	1 48	16 15	5 31	4 56	27 15	13 17	6 34
F 12	23 7	14 40	1 46	25 34	2 15	19 37	0 56	22 6	3 9	15 46	0 58	0 14	2 34	23 44	0 18	0 59	1 24	1 48	16 14	5 31	4 55	27 16	13 16	6 34
S 13	23 11	19 20	2 43	25 27	2 13	19 54	0 54	22 10	3 11	15 50	0 58	0 14	2 34	23 44	0 18	0 59	1 24	1 48	16 14	5 29	4 54	27 17	13 16	6 33
S 14	23 15	23 14	3 32	25 19	2 11	20 10	0 51	22 14	3 14	15 53	0 58	0 15	2 34	23 44	0 18	0 59	1 24	1 48	16 14	5 26	4 52	27 18	13 15	6 33
M15	23 18	26 8	4 11	25 9	2 8	20 26	0 49	22 18	3 17	15 56	0 58	0 15	2 34	23 44	0 18	0 59	1 24	1 48	16 14	5 22	4 51	27 19	13 14	6 33
T 16	23 21	27 54	4 40	24 58	2 4	20 41	0 47	22 23	3 20	16 0	0 58	0 16	2 33	23 44	0 18	0 58	1 24	1 48	16 13	5 17	4 50	27 20	13 14	6 32
W17	23 24	28 23	4 56	24 45	2 0	20 56	0 45	22 27	3 22	16 3	0 58	0 16	2 33	23 44	0 18	0 58	1 24	1 48	16 13	5 11	4 49	27 21	13 13	6 32
T 18	23 26	27 32	5 0	24 31	1 55	21 10	0 42	22 32	3 25	16 6	0 58	0 17	2 33	23 44	0 18	0 58	1 24	1 48	16 13	5 6	4 47	27 22	13 13	6 32
F 19	23 28	25 24	4 50	24 16	1 48	21 24	0 40	22 37	3 28	16 10	0 58	0 17	2 32	23 44	0 18	0 58	1 25	1 48	16 13	5 1	4 46	27 24	13 12	6 32
S 20	23 29	22 6	4 27	24 0	1 41	21 37	0 38	22 42	3 30	16 13	0 58	0 18	2 32	23 44	0 18	0 58	1 25	1 48	16 12	4 56	4 45	27 25	13 11	6 31
S 21	23 29	17 48	3 52	23 42	1 33	21 49	0 35	22 47	3 33	16 16	0 58	0 19	2 32	23 44	0 18	0 58	1 25	1 47	16 12	4 53	4 44	27 26	13 11	6 31
M22	23 29	12 41	3 4	23 24	1 24	22 0	0 33	22 53	3 35	16 19	0 58	0 20	2 32	23 45	0 18	0 58	1 25	1 47	16 12	4 51	4 42	27 27	13 10	6 31
T 23	23 29	6 57	2 7	23 5	1 14	22 11	0 30	22 58	3 38	16 22	0 58	0 20	2 31	23 45	0 18	0 57	1 25	1 47	16 11	4 50	4 41	27 28	13 9	6 31
W24	23 28	0 47	1 2	22 46	1 3	22 22	0 28	23 4	3 40	16 25	0 58	0 21	2 31	23 45	0 18	0 57	1 25	1 47	16 11	4 50	4 40	27 29	13 9	6 30
T 25	23 27	5 s35	0 s 9	22 26	0 50	22 31	0 25	23 10	3 43	16 28	0 58	0 22	2 31	23 45	0 18	0 57	1 25	1 47	16 11	4 50	4 39	27 30	13 8	6 30
F 26	23 25	11 54	1 21	22 6	0 36	22 40	0 23	23 16	3 45	16 31	0 58	0 23	2 31	23 45	0 18	0 57	1 25	1 47	16 10	4 50	4 38	27 31	13 7	6 30
S 27	23 23	17 48	2 30	21 46	0 22	22 48	0 20	23 22	3 48	16 34	0 58	0 24	2 30	23 45	0 18	0 57	1 25	1 47	16 10	4 49	4 36	27 32	13 6	6 30
S 28	23 21	22 51	3 31	21 27	0 6	22 56	0 18	23 28	3 50	16 37	0 58	0 25	2 30	23 45	0 18	0 57	1 25	1 47	16 10	4 47	4 35	27 33	13 5	6 29
M29	23 17	26 30	4 19	21 8	0 n11	23 3	0 16	23 34	3 52	16 40	0 58	0 26	2 30	23 45	0 18	0 57	1 25	1 46	16 10	4 43	4 34	27 34	13 5	6 29
T 30	23 14	28 17	4 50	20 51	0 29	23 9	0 13	23 41	3 55	16 43	0 58	0 27	2 30	23 45	0 18	0 57	1 25	1 46	16 9	4 39	4 33	27 35	13 4	6 29
W31	23 s10	27 s55	5 s 0	20 s34	0 n48	23 s14	0 n11	23 n47	3 n57	16 s46	0 n59	0 n28	2 s29	23 n45	0 n18	0 n57	1 n25	1 s46	16 s 9	4 n35	4 n31	27 n36	13 s 3	6 n29

Julian Day Number = 2310895.5, Delta T = 71.47 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°21'57, Lahiri = 18°28'57Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1615
geocentric

JANUARY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 51	10♑21'06	27♑11	23°R37	26♐43	0°R51	19♏53	6♈58	2°R59	0♎53	5°R50	11°R21	11♈21	17♊43	3♒50	T 1
F 2	6 44 47	11°22'18	11♒58	23♑ 1	27°58	0♌31	20° 4	7° 1	2♋56	0°R53	5♉50	11♈11	11°18	17°50	3°54	F 2
S 3	6 48 44	12°23'29	26°19	22°14	29°14	0°10	20°14	7° 3	2°54	0°53	5°49	11° 3	11°15	17°57	3°59	S 3
S 4	6 52 41	13°24'40	10♓10	21°17	0♑29	29♋49	20°24	7° 6	2°51	0°53	5°49	10°58	11°12	18° 3	4° 3	S 4
M 5	6 56 37	14°25'50	23°31	20°11	1°44	29°27	20°35	7° 9	2°48	0°53	5°49	10°55	11° 9	18°10	4° 8	M 5
T 6	7 0 34	15°27'00	6♈25	18°59	3° 0	29° 5	20°45	7°12	2°46	0°52	5°48	10°54	11° 5	18°17	4°13	T 6
W 7	7 4 30	16°28'09	18°55	17°41	4°15	28°43	20°55	7°15	2°43	0°52	5°48	10°54	11° 2	18°23	4°17	W 7
T 8	7 8 27	17°29'17	1♉ 8	16°22	5°30	28°20	21° 5	7°18	2°41	0°52	5°48	10°54	10°59	18°30	4°22	T 8
F 9	7 12 23	18°30'24	13° 8	15° 3	6°46	27°57	21°15	7°21	2°38	0°52	5°47	10°51	10°56	18°37	4°27	F 9
S 10	7 16 20	19°31'31	25° 1	13°47	8° 1	27°33	21°24	7°24	2°36	0°52	5°47	10°47	10°53	18°44	4°31	S 10
S 11	7 20 16	20°32'37	6♊51	12°36	9°17	27°10	21°34	7°28	2°34	0°51	5°47	10°39	10°49	18°50	4°36	S 11
M12	7 24 13	21°33'43	18°41	11°32	10°32	26°46	21°44	7°31	2°31	0°51	5°47	10°28	10°46	18°57	4°41	M12
T 13	7 28 10	22°34'48	0♋35	10°35	11°47	26°22	21°53	7°35	2°29	0°51	5°47	10°16	10°43	19° 4	4°45	T 13
W14	7 32 6	23°35'52	12°34	9°47	13° 3	25°58	22° 2	7°38	2°26	0°50	5°47	10° 1	10°40	19°10	4°50	W14
T 15	7 36 3	24°36'55	24°40	9° 9	14°18	25°34	22°12	7°42	2°24	0°50	5°46	9°47	10°37	19°17	4°55	T 15
F 16	7 39 59	25°37'58	6♌53	8°39	15°33	25°10	22°21	7°46	2°22	0°49	5°46	9°34	10°34	19°24	5° 0	F 16
S 17	7 43 56	26°39'00	19°15	8°19	16°49	24°46	22°30	7°50	2°19	0°49	5°46	9°23	10°30	19°31	5° 4	S 17
S 18	7 47 52	27°40'01	1♍45	8° 8	18° 4	24°22	22°38	7°54	2°17	0°48	5°46	9°14	10°27	19°37	5° 9	S 18
M19	7 51 49	28°41'02	14°26	8°D 6	19°19	23°58	22°47	7°58	2°15	0°48	5°46	9° 9	10°24	19°44	5°14	M19
T 20	7 55 45	29°42'02	27°18	8°11	20°34	23°35	22°56	8° 2	2°13	0°47	5°D46	9° 6	10°21	19°51	5°19	T 20
W21	7 59 42	0♒43'01	10♎25	8°24	21°50	23°11	23° 4	8° 7	2°10	0°47	5°46	9°D 5	10°18	19°57	5°24	W21
T 22	8 3 39	1°44'00	23°48	8°43	23° 5	22°48	23°13	8°11	2° 8	0°46	5°46	9° 6	10°15	20° 4	5°28	T 22
F 23	8 7 35	2°44'58	7♏29	9° 9	24°20	22°26	23°21	8°15	2° 6	0°45	5°46	9°R 6	10°11	20°11	5°33	F 23
S 24	8 11 32	3°45'56	21°31	9°41	25°36	22° 3	23°29	8°20	2° 4	0°45	5°46	9° 5	10° 8	20°18	5°38	S 24
S 25	8 15 28	4°46'53	5♐52	10°17	26°51	21°42	23°37	8°25	2° 2	0°44	5°47	9° 1	10° 5	20°24	5°43	S 25
M26	8 19 25	5°47'49	20°32	10°59	28° 6	21°20	23°45	8°29	2° 0	0°43	5°47	8°55	10° 2	20°31	5°48	M26
T 27	8 23 21	6°48'45	5♑23	11°44	29°22	20°59	23°53	8°34	1°58	0°42	5°47	8°46	9°59	20°38	5°53	T 27
W28	8 27 18	7°49'39	20°20	12°34	0♒37	20°39	24° 0	8°39	1°56	0°42	5°47	8°37	9°55	20°44	5°57	W28
T 29	8 31 15	8°50'33	5♒12	13°27	1°52	20°19	24° 8	8°44	1°54	0°41	5°47	8°27	9°52	20°51	6° 2	T 29
F 30	8 35 11	9°51'25	19°51	14°24	3° 7	20° 0	24°15	8°49	1°52	0°40	5°47	8°18	9°49	20°58	6° 7	F 30
S 31	8 39 8	10♒52'16	4♓ 9	15♑23	4♒23	19♋41	24♏22	8♈54	1♋50	0♎39	5♉48	8♈11	9♈46	21♊ 5	6♒12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 5	25s29	4s49	20s20	1n 7	23s19	0n 8	23n54	3n59	16s48	0n59	0n29	2s29	23n45	0n18	0n57	1n25	1s46	16s 9	4n30	4n30	27n37	13s 2	6n29
F 2	23 0	21 22	4 18	20 7	1 26	23 23	0 6	24 0	4 1	16 51	0 59	0 31	2 29	23 45	0 18	0 57	1 25	1 46	16 8	4 26	4 29	27 38	13 1	6 28
S 3	22 55	16 5	3 32	19 55	1 45	23 26	0 3	24 7	4 3	16 54	0 59	0 32	2 29	23 45	0 18	0 57	1 25	1 46	16 8	4 23	4 28	27 39	13 0	6 28
S 4	22 49	10 9	2 35	19 46	2 4	23 29	0 1	24 13	4 5	16 57	0 59	0 33	2 28	23 45	0 18	0 57	1 25	1 45	16 8	4 21	4 26	27 40	13 0	6 28
M 5	22 42	3 58	1 30	19 38	2 21	23 31	0s 2	24 19	4 6	16 59	0 59	0 35	2 28	23 46	0 18	0 57	1 25	1 45	16 7	4 20	4 25	27 41	12 59	6 28
T 6	22 36	2n11	0 24	19 33	2 37	23 32	0 4	24 26	4 8	17 2	0 59	0 36	2 28	23 46	0 18	0 58	1 26	1 45	16 7	4 19	4 24	27 42	12 58	6 28
W 7	22 28	8 5	0n42	19 29	2 52	23 32	0 7	24 32	4 10	17 4	0 59	0 37	2 28	23 46	0 18	0 58	1 26	1 45	16 7	4 19	4 23	27 43	12 57	6 28
T 8	22 21	13 32	1 45	19 27	3 4	23 32	0 9	24 38	4 11	17 7	0 59	0 39	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 19	4 21	27 44	12 56	6 27
F 9	22 13	18 23	2 41	19 26	3 13	23 31	0 12	24 44	4 13	17 10	0 59	0 40	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 18	4 20	27 45	12 55	6 27
S 10	22 4	22 28	3 30	19 27	3 20	23 29	0 14	24 50	4 14	17 12	0 59	0 42	2 27	23 46	0 18	0 58	1 26	1 44	16 6	4 16	4 19	27 46	12 54	6 27
S 11	21 55	25 36	4 10	19 30	3 25	23 26	0 17	24 56	4 15	17 14	0 59	0 43	2 27	23 46	0 18	0 58	1 26	1 44	16 5	4 13	4 18	27 47	12 53	6 27
M12	21 46	27 38	4 39	19 33	3 27	23 23	0 19	25 2	4 16	17 17	0 59	0 45	2 26	23 46	0 18	0 58	1 26	1 43	16 5	4 9	4 16	27 48	12 52	6 27
T 13	21 36	28 25	4 56	19 38	3 27	23 19	0 21	25 8	4 17	17 19	1 0	0 47	2 26	23 46	0 18	0 59	1 26	1 43	16 5	4 4	4 15	27 48	12 51	6 27
W14	21 25	27 52	5 0	19 44	3 25	23 15	0 24	25 13	4 18	17 21	1 0	0 48	2 26	23 46	0 18	0 59	1 26	1 43	16 4	3 59	4 14	27 49	12 50	6 27
T 15	21 15	26 0	4 50	19 50	3 21	23 9	0 26	25 19	4 19	17 24	1 0	0 50	2 26	23 46	0 18	0 59	1 26	1 43	16 4	3 53	4 13	27 50	12 49	6 27
F 16	21 4	22 54	4 27	19 58	3 15	23 3	0 28	25 24	4 20	17 26	1 0	0 52	2 25	23 46	0 18	0 59	1 26	1 42	16 3	3 48	4 11	27 51	12 48	6 27
S 17	20 52	18 45	3 51	20 6	3 8	22 56	0 31	25 29	4 20	17 28	1 0	0 53	2 25	23 46	0 18	0 59	1 26	1 42	16 3	3 43	4 10	27 52	12 47	6 26
S 18	20 40	13 44	3 4	20 14	3 0	22 49	0 33	25 34	4 21	17 30	1 0	0 55	2 25	23 46	0 18	1 0	1 26	1 42	16 3	3 40	4 9	27 53	12 46	6 26
M19	20 28	8 5	2 7	20 23	2 52	22 40	0 35	25 38	4 21	17 32	1 0	0 57	2 25	23 46	0 18	1 0	1 26	1 41	16 2	3 38	4 8	27 54	12 45	6 26
T 20	20 15	2 1	1 2	20 32	2 42	22 32	0 37	25 43	4 21	17 35	1 0	0 59	2 24	23 46	0 18	1 0	1 26	1 41	16 2	3 37	4 6	27 55	12 44	6 26
W21	20 2	4s14	0s 7	20 41	2 33	22 22	0 39	25 47	4 21	17 37	1 0	1 1	2 24	23 46	0 18	1 1	1 26	1 41	16 2	3 37	4 5	27 55	12 43	6 26
T 22	19 49	10 27	1 17	20 50	2 22	22 12	0 41	25 51	4 21	17 39	1 0	1 3	2 24	23 46	0 18	1 1	1 26	1 40	16 1	3 37	4 4	27 56	12 42	6 26
F 23	19 35	16 19	2 25	20 59	2 12	22 1	0 44	25 55	4 21	17 41	1 0	1 5	2 24	23 46	0 18	1 1	1 26	1 40	16 1	3 37	4 3	27 57	12 41	6 26
S 24	19 21	21 29	3 25	21 7	2 1	21 49	0 46	25 58	4 21	17 42	1 1	1 7	2 24	23 46	0 18	1 2	1 26	1 40	16 1	3 36	4 1	27 58	12 40	6 26
S 25	19 7	25 30	4 15	21 15	1 50	21 37	0 48	26 2	4 21	17 44	1 1	1 9	2 23	23 46	0 18	1 2	1 27	1 39	16 0	3 35	4 0	27 59	12 38	6 26
M26	18 52	27 56	4 48	21 23	1 40	21 24	0 50	26 5	4 20	17 46	1 1	1 11	2 23	23 46	0 18	1 2	1 27	1 39	16 0	3 32	3 59	27 59	12 37	6 26
T 27	18 37	28 25	5 3	21 30	1 29	21 10	0 51	26 8	4 20	17 48	1 1	1 13	2 23	23 46	0 18	1 3	1 27	1 39	16 0	3 29	3 58	28 0	12 36	6 26
W28	18 21	26 51	4 57	21 36	1 18	20 56	0 53	26 10	4 19	17 50	1 1	1 15	2 23	23 47	0 18	1 3	1 27	1 38	15 59	3 25	3 56	28 1	12 35	6 26
T 29	18 5	23 24	4 31	21 41	1 8	20 41	0 55	26 13	4 19	17 52	1 1	1 17	2 23	23 47	0 18	1 3	1 27	1 38	15 59	3 21	3 55	28 2	12 34	6 26
F 30	17 49	18 30	3 48	21 46	0 57	20 26	0 57	26 15	4 18	17 53	1 1	1 19	2 22	23 47	0 18	1 4	1 27	1 37	15 59	3 18	3 54	28 3	12 33	6 26
S 31	17s33	12s39	2s51	21s49	0n47	20s10	0s59	26n17	4n17	17s55	1n 1	1n22	2s22	23n47	0n18	1n 4	1n27	1s37	15s58	3n15	3n53	28n 3	12s32	6n26

Julian Day Number = 2310926.5, Delta T = 71.39 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'01, Lahiri = 18°29'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

FEBRUARY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 43 4	11♒53'05	18♓ 2	16♑25	5♒38	19°R23	24♏29	8♈59	1°R48	0°R38	5♉48	8°R 7	9♈43	21♊11	6♒17	S 1
M 2	8 47 1	12°53'53	1♈28	17°30	6°53	19♋ 6	24°36	9° 5	1♋47	0♎37	5°48	8♈ 5	9°40	21°18	6°21	M 2
T 3	8 50 57	13°54'40	14°27	18°36	8° 8	18°49	24°43	9°10	1°45	0°36	5°49	8°D 5	9°36	21°25	6°26	T 3
W 4	8 54 54	14°55'25	27° 3	19°45	9°24	18°33	24°49	9°15	1°43	0°35	5°49	8° 6	9°33	21°31	6°31	W 4
T 5	8 58 50	15°56'08	9♉21	20°56	10°39	18°18	24°56	9°21	1°42	0°34	5°49	8° 7	9°30	21°38	6°36	T 5
F 6	9 2 47	16°56'50	21°24	22° 9	11°54	18° 3	25° 2	9°26	1°40	0°33	5°50	8°R 7	9°27	21°45	6°40	F 6
S 7	9 6 44	17°57'30	3♊18	23°23	13° 9	17°50	25° 8	9°32	1°38	0°32	5°50	8° 5	9°24	21°52	6°45	S 7
S 8	9 10 40	18°58'09	15° 9	24°39	14°24	17°37	25°14	9°38	1°37	0°31	5°50	8° 2	9°20	21°58	6°50	S 8
M 9	9 14 37	19°58'46	27° 1	25°57	15°40	17°25	25°20	9°43	1°35	0°29	5°51	7°56	9°17	22° 5	6°55	M 9
T 10	9 18 33	20°59'21	8♋57	27°16	16°55	17°13	25°26	9°49	1°34	0°28	5°51	7°49	9°14	22°12	6°59	T 10
W11	9 22 30	21°59'54	21° 1	28°36	18°10	17° 3	25°31	9°55	1°33	0°27	5°52	7°40	9°11	22°19	7° 4	W11
T 12	9 26 26	23° 0'26	3♌15	29°58	19°25	16°53	25°36	10° 1	1°31	0°26	5°52	7°31	9° 8	22°25	7° 9	T 12
F 13	9 30 23	24° 0'56	15°41	1♒21	20°40	16°44	25°42	10° 7	1°30	0°25	5°53	7°23	9° 5	22°32	7°13	F 13
S 14	9 34 19	25° 1'25	28°18	2°45	21°55	16°36	25°47	10°13	1°29	0°23	5°53	7°16	9° 1	22°39	7°18	S 14
S 15	9 38 16	26° 1'52	11♍ 8	4°10	23°10	16°28	25°51	10°19	1°27	0°22	5°54	7°11	8°58	22°45	7°23	S 15
M16	9 42 13	27° 2'17	24° 9	5°37	24°25	16°22	25°56	10°25	1°26	0°21	5°54	7° 8	8°55	22°52	7°27	M16
T 17	9 46 9	28° 2'40	7♎21	7° 4	25°40	16°16	26° 1	10°32	1°25	0°19	5°55	7°D 7	8°52	22°59	7°32	T 17
W18	9 50 6	29° 3'03	20°46	8°33	26°55	16°11	26° 5	10°38	1°24	0°18	5°56	7° 8	8°49	23° 6	7°36	W18
T 19	9 54 2	0♓ 3'23	4♏22	10° 3	28°10	16° 7	26° 9	10°44	1°23	0°17	5°56	7°10	8°46	23°12	7°41	T 19
F 20	9 57 59	1° 3'43	18° 9	11°33	29°25	16° 3	26°13	10°51	1°22	0°15	5°57	7°11	8°42	23°19	7°45	F 20
S 21	10 1 55	2° 4'01	2♐ 9	13° 5	0♓41	16° 0	26°17	10°57	1°21	0°14	5°58	7°R12	8°39	23°26	7°50	S 21
S 22	10 5 52	3° 4'18	16°20	14°38	1°56	15°58	26°21	11° 4	1°20	0°13	5°58	7°11	8°36	23°32	7°54	S 22
M23	10 9 48	4° 4'33	0♑40	16°12	3°11	15°57	26°24	11°10	1°20	0°11	5°59	7° 9	8°33	23°39	7°59	M23
T 24	10 13 45	5° 4'47	15° 6	17°47	4°26	15°D57	26°28	11°17	1°19	0°10	6° 0	7° 5	8°30	23°46	8° 3	T 24
W25	10 17 42	6° 4'59	29°34	19°23	5°40	15°57	26°31	11°24	1°18	0° 8	6° 0	7° 0	8°26	23°53	8° 7	W25
T 26	10 21 38	7° 5'09	13♒58	21° 0	6°55	15°58	26°34	11°30	1°17	0° 7	6° 1	6°56	8°23	23°59	8°12	T 26
F 27	10 25 35	8° 5'18	28°13	22°38	8°10	16° 0	26°37	11°37	1°17	0° 5	6° 2	6°51	8°20	24° 6	8°16	F 27
S 28	10 29 31	9♓ 5'25	12♓13	24♒18	9♓25	16♋ 2	26♏39	11♈44	1♋16	0♎ 4	6♉ 3	6♈48	8♈17	24♊13	8♒20	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s16	6s21	1s45	21s52	0n37	19s53	1s 0	26n19	4n16	17s56	1n 1	1n24	2s22	23n47	0n18	1n 5	1n27	1s37	15s58	3n14	3n51	28n 4	12s30	6n26
M 2	16 59	0n 3	0 35	21 54	0 27	19 36	1 2	26 20	4 15	17 58	1 1	1 26	2 22	23 47	0 18	1 5	1 27	1 36	15 58	3 13	3 50	28 5	12 29	6 26
T 3	16 41	6 14	0n34	21 54	0 18	19 18	1 4	26 22	4 14	18 0	1 2	1 28	2 22	23 47	0 18	1 5	1 27	1 36	15 57	3 13	3 49	28 6	12 28	6 26
W 4	16 24	12 0	1 40	21 54	0 8	18 59	1 5	26 23	4 13	18 1	1 2	1 31	2 21	23 47	0 18	1 6	1 27	1 35	15 57	3 13	3 48	28 6	12 27	6 26
T 5	16 6	17 10	2 40	21 52	0s 1	18 41	1 7	26 24	4 12	18 2	1 2	1 33	2 21	23 47	0 18	1 6	1 27	1 35	15 56	3 14	3 46	28 7	12 26	6 26
F 6	15 47	21 33	3 31	21 50	0 10	18 21	1 8	26 25	4 11	18 4	1 2	1 35	2 21	23 47	0 18	1 7	1 27	1 34	15 56	3 14	3 45	28 8	12 25	6 26
S 7	15 29	25 0	4 13	21 46	0 18	18 1	1 10	26 25	4 9	18 5	1 2	1 38	2 21	23 47	0 18	1 7	1 27	1 34	15 56	3 13	3 44	28 8	12 23	6 26
S 8	15 10	27 21	4 43	21 41	0 27	17 41	1 11	26 26	4 8	18 7	1 2	1 40	2 21	23 47	0 18	1 8	1 27	1 33	15 55	3 11	3 43	28 9	12 22	6 26
M 9	14 51	28 29	5 2	21 34	0 35	17 20	1 12	26 26	4 7	18 8	1 2	1 43	2 20	23 47	0 18	1 8	1 27	1 33	15 55	3 9	3 41	28 10	12 21	6 26
T 10	14 32	28 18	5 7	21 27	0 43	16 58	1 14	26 26	4 5	18 9	1 2	1 45	2 20	23 47	0 18	1 9	1 27	1 33	15 55	3 6	3 40	28 10	12 20	6 26
W11	14 12	26 46	4 59	21 18	0 50	16 36	1 15	26 26	4 4	18 10	1 3	1 47	2 20	23 47	0 18	1 9	1 27	1 32	15 54	3 3	3 39	28 11	12 18	6 27
T 12	13 53	23 58	4 37	21 8	0 57	16 14	1 16	26 25	4 2	18 11	1 3	1 50	2 20	23 47	0 18	1 10	1 27	1 32	15 54	2 59	3 38	28 12	12 17	6 27
F 13	13 33	20 1	4 2	20 57	1 4	15 51	1 17	26 25	4 0	18 12	1 3	1 52	2 20	23 47	0 18	1 10	1 27	1 31	15 54	2 56	3 36	28 12	12 16	6 27
S 14	13 13	15 7	3 14	20 44	1 11	15 28	1 18	26 24	3 59	18 14	1 3	1 55	2 20	23 47	0 18	1 11	1 27	1 31	15 53	2 53	3 35	28 13	12 15	6 27
S 15	12 52	9 30	2 16	20 30	1 17	15 4	1 19	26 24	3 57	18 15	1 3	1 57	2 19	23 47	0 18	1 11	1 27	1 30	15 53	2 51	3 34	28 14	12 14	6 27
M16	12 32	3 24	1 10	20 15	1 23	14 40	1 20	26 23	3 55	18 16	1 3	2 0	2 19	23 47	0 18	1 12	1 27	1 30	15 53	2 50	3 33	28 14	12 12	6 27
T 17	12 11	2s57	0s 1	19 59	1 29	14 15	1 21	26 22	3 54	18 17	1 3	2 3	2 19	23 47	0 18	1 12	1 28	1 29	15 52	2 50	3 31	28 15	12 11	6 27
W18	11 50	9 15	1 13	19 41	1 34	13 50	1 22	26 21	3 52	18 17	1 3	2 5	2 19	23 47	0 18	1 13	1 28	1 29	15 52	2 50	3 30	28 15	12 10	6 27
T 19	11 29	15 14	2 23	19 22	1 39	13 25	1 22	26 20	3 50	18 18	1 4	2 8	2 19	23 47	0 18	1 14	1 28	1 28	15 52	2 51	3 29	28 16	12 9	6 27
F 20	11 7	20 33	3 25	19 1	1 44	13 0	1 23	26 18	3 48	18 19	1 4	2 11	2 19	23 47	0 18	1 14	1 28	1 28	15 52	2 51	3 28	28 17	12 7	6 28
S 21	10 46	24 48	4 15	18 39	1 48	12 34	1 24	26 17	3 47	18 20	1 4	2 13	2 19	23 47	0 18	1 15	1 28	1 27	15 51	2 52	3 26	28 17	12 6	6 28
S 22	10 24	27 37	4 51	18 16	1 52	12 7	1 24	26 15	3 45	18 21	1 4	2 16	2 18	23 47	0 18	1 15	1 28	1 27	15 51	2 51	3 25	28 18	12 5	6 28
M23	10 2	28 39	5 10	17 51	1 56	11 41	1 25	26 14	3 43	18 21	1 4	2 19	2 18	23 47	0 18	1 16	1 28	1 26	15 51	2 50	3 24	28 18	12 3	6 28
T 24	9 40	27 45	5 9	17 25	1 59	11 14	1 25	26 12	3 41	18 22	1 4	2 21	2 18	23 47	0 18	1 17	1 28	1 26	15 50	2 49	3 23	28 19	12 2	6 28
W25	9 18	24 58	4 48	16 58	2 2	10 46	1 25	26 10	3 39	18 23	1 4	2 24	2 18	23 47	0 18	1 17	1 28	1 25	15 50	2 47	3 21	28 20	12 1	6 28
T 26	8 56	20 39	4 9	16 29	2 4	10 19	1 26	26 8	3 38	18 23	1 4	2 27	2 18	23 47	0 18	1 18	1 28	1 25	15 50	2 45	3 20	28 20	12 0	6 29
F 27	8 33	15 10	3 15	15 59	2 6	9 51	1 26	26 6	3 36	18 24	1 5	2 29	2 18	23 47	0 18	1 18	1 28	1 24	15 49	2 44	3 19	28 21	11 58	6 29
S 28	8s11	9s 0	2s10	15s28	2s 8	9s23	1s26	26n 4	3n34	18s24	1n 5	2n32	2s18	23n47	0n18	1n19	1n28	1s24	15s49	2n42	3n18	28n21	11s57	6n29

Julian Day Number = 2310957.5, Delta T = 71.30 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'05, Lahiri = 18°29'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

MARCH 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 33 28	10♓ 5'30	25♓53	25♒58	10♓40	16♋ 6	26♏42	11♈51	1°R16	0°R 2	6♉ 4	6°R46	8♈14	24♊19	8♒25	S 1
M 2	10 37 24	11° 5'33	9♈13	27°39	11°55	16° 9	26°44	11°58	1♋15	0♎ 1	6° 4	6°D46	8°11	24°26	8°29	M 2
T 3	10 41 21	12° 5'34	22°11	29°22	13°10	16°14	26°46	12° 4	1°15	29♍59	6° 5	6♈47	8° 7	24°33	8°33	T 3
W 4	10 45 17	13° 5'32	4♉49	1♓ 5	14°25	16°19	26°48	12°11	1°15	29°58	6° 6	6°48	8° 4	24°40	8°37	W 4
T 5	10 49 14	14° 5'29	17° 9	2°50	15°40	16°25	26°49	12°18	1°14	29°56	6° 7	6°50	8° 1	24°46	8°41	T 5
F 6	10 53 10	15° 5'24	29°16	4°36	16°55	16°32	26°51	12°25	1°14	29°54	6° 8	6°51	7°58	24°53	8°46	F 6
S 7	10 57 7	16° 5'16	11♊13	6°23	18° 9	16°39	26°52	12°33	1°14	29°53	6° 9	6°R52	7°55	25° 0	8°50	S 7
S 8	11 1 4	17° 5'06	23° 6	8°11	19°24	16°47	26°53	12°40	1°14	29°51	6°10	6°52	7°52	25° 6	8°54	S 8
M 9	11 5 0	18° 4'54	4♋59	10° 1	20°39	16°55	26°54	12°47	1°14	29°50	6°11	6°51	7°48	25°13	8°58	M 9
T 10	11 8 57	19° 4'40	16°57	11°51	21°54	17° 4	26°55	12°54	1°D14	29°48	6°12	6°49	7°45	25°20	9° 2	T 10
W11	11 12 53	20° 4'23	29° 3	13°43	23° 8	17°14	26°56	13° 1	1°14	29°46	6°13	6°47	7°42	25°27	9° 6	W11
T 12	11 16 50	21° 4'04	11♌23	15°36	24°23	17°24	26°56	13° 8	1°14	29°45	6°14	6°45	7°39	25°33	9° 9	T 12
F 13	11 20 46	22° 3'43	23°57	17°30	25°38	17°35	26°56	13°16	1°14	29°43	6°15	6°42	7°36	25°40	9°13	F 13
S 14	11 24 43	23° 3'20	6♍48	19°25	26°52	17°46	26°R56	13°23	1°14	29°41	6°16	6°41	7°32	25°47	9°17	S 14
S 15	11 28 39	24° 2'55	19°55	21°21	28° 7	17°58	26°56	13°30	1°14	29°40	6°17	6°39	7°29	25°54	9°21	S 15
M16	11 32 36	25° 2'27	3♎19	23°19	29°22	18°10	26°56	13°38	1°15	29°38	6°18	6°D39	7°26	26° 0	9°24	M16
T 17	11 36 33	26° 1'58	16°58	25°17	0♈36	18°23	26°55	13°45	1°15	29°37	6°19	6°39	7°23	26° 7	9°28	T 17
W18	11 40 29	27° 1'26	0♏49	27°17	1°51	18°36	26°54	13°52	1°15	29°35	6°20	6°40	7°20	26°14	9°32	W18
T 19	11 44 26	28° 0'53	14°49	29°17	3° 5	18°50	26°53	14° 0	1°16	29°33	6°21	6°40	7°17	26°20	9°35	T 19
F 20	11 48 22	29° 0'18	28°57	1♈18	4°20	19° 5	26°52	14° 7	1°16	29°32	6°22	6°41	7°13	26°27	9°39	F 20
S 21	11 52 19	29°59'42	13♐ 9	3°20	5°35	19°19	26°51	14°15	1°17	29°30	6°23	6°42	7°10	26°34	9°42	S 21
S 22	11 56 15	0♈59'03	27°22	5°22	6°49	19°35	26°49	14°22	1°18	29°28	6°24	6°R42	7° 7	26°41	9°46	S 22
M23	12 0 12	1°58'23	11♑35	7°25	8° 4	19°50	26°48	14°30	1°18	29°27	6°26	6°42	7° 4	26°47	9°49	M23
T 24	12 4 8	2°57'41	25°44	9°27	9°18	20° 7	26°46	14°37	1°19	29°25	6°27	6°42	7° 1	26°54	9°53	T 24
W25	12 8 5	3°56'57	9♒47	11°30	10°33	20°23	26°44	14°45	1°20	29°23	6°28	6°41	6°58	27° 1	9°56	W25
T 26	12 12 2	4°56'12	23°43	13°31	11°47	20°40	26°42	14°52	1°21	29°22	6°29	6°41	6°54	27° 7	9°59	T 26
F 27	12 15 58	5°55'24	7♓28	15°33	13° 1	20°58	26°39	15° 0	1°22	29°20	6°30	6°41	6°51	27°14	10° 2	F 27
S 28	12 19 55	6°54'35	21° 1	17°32	14°16	21°15	26°37	15° 7	1°22	29°18	6°32	6°D41	6°48	27°21	10° 5	S 28
S 29	12 23 51	7°53'43	4♈19	19°31	15°30	21°34	26°34	15°15	1°23	29°17	6°33	6°R41	6°45	27°28	10° 9	S 29
M30	12 27 48	8°52'50	17°22	21°28	16°45	21°52	26°31	15°22	1°25	29°15	6°34	6°41	6°42	27°34	10°12	M30
T 31	12 31 44	9♈51'54	0♉ 9	23♈22	17♈59	22♋11	26♏28	15♈30	1♋26	29♍13	6♉35	6♈41	6♈38	27♊41	10♒15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s48	2s33	0s59	14s55	2s 9	8s54	1s26	26n 2	3n32	18s25	1n 5	2n35	2s18	23n47	0n18	1n20	1n28	1s23	15s49	2n42	3n16	28n22	11s56	6n29
M 2	7 25	3n52	0n13	14 21	2 10	8 26	1 26	25 59	3 30	18 25	1 5	2 38	2 17	23 47	0 18	1 20	1 28	1 23	15 48	2 42	3 15	28 22	11 55	6 29
T 3	7 2	9 57	1 24	13 45	2 10	7 57	1 26	25 57	3 28	18 25	1 5	2 41	2 17	23 47	0 18	1 21	1 28	1 22	15 48	2 42	3 14	28 23	11 53	6 30
W 4	6 39	15 29	2 28	13 8	2 10	7 28	1 26	25 54	3 26	18 26	1 5	2 43	2 17	23 47	0 18	1 22	1 28	1 21	15 48	2 42	3 12	28 23	11 52	6 30
T 5	6 16	20 15	3 24	12 30	2 10	6 59	1 26	25 52	3 25	18 26	1 5	2 46	2 17	23 47	0 18	1 22	1 28	1 21	15 48	2 43	3 11	28 24	11 51	6 30
F 6	5 53	24 6	4 10	11 51	2 9	6 30	1 26	25 49	3 23	18 26	1 5	2 49	2 17	23 47	0 18	1 23	1 28	1 20	15 47	2 44	3 10	28 24	11 50	6 30
S 7	5 30	26 52	4 44	11 10	2 7	6 0	1 25	25 46	3 21	18 26	1 6	2 52	2 17	23 47	0 18	1 24	1 28	1 20	15 47	2 44	3 9	28 25	11 48	6 31
S 8	5 7	28 24	5 6	10 28	2 6	5 30	1 25	25 44	3 19	18 26	1 6	2 55	2 17	23 47	0 18	1 24	1 28	1 19	15 47	2 44	3 7	28 25	11 47	6 31
M 9	4 43	28 38	5 15	9 44	2 3	5 0	1 24	25 41	3 17	18 27	1 6	2 58	2 17	23 47	0 18	1 25	1 28	1 19	15 47	2 44	3 6	28 25	11 46	6 31
T 10	4 20	27 33	5 10	8 59	2 0	4 30	1 24	25 38	3 15	18 27	1 6	3 0	2 17	23 47	0 18	1 26	1 28	1 18	15 46	2 43	3 5	28 26	11 45	6 31
W11	3 56	25 9	4 52	8 13	1 57	4 0	1 23	25 35	3 14	18 27	1 6	3 3	2 17	23 47	0 18	1 26	1 28	1 18	15 46	2 42	3 4	28 26	11 43	6 32
T 12	3 33	21 33	4 20	7 26	1 53	3 30	1 23	25 32	3 12	18 27	1 6	3 6	2 16	23 47	0 18	1 27	1 28	1 17	15 46	2 41	3 2	28 27	11 42	6 32
F 13	3 9	16 56	3 34	6 37	1 49	3 0	1 22	25 28	3 10	18 26	1 6	3 9	2 16	23 47	0 18	1 28	1 28	1 17	15 46	2 40	3 1	28 27	11 41	6 32
S 14	2 46	11 28	2 38	5 47	1 44	2 29	1 21	25 25	3 8	18 26	1 6	3 12	2 16	23 47	0 18	1 28	1 28	1 16	15 45	2 39	3 0	28 28	11 40	6 32
S 15	2 22	5 24	1 31	4 56	1 38	1 59	1 21	25 22	3 6	18 26	1 7	3 15	2 16	23 47	0 18	1 29	1 28	1 15	15 45	2 39	2 59	28 28	11 38	6 33
M16	1 58	1s 2	0 18	4 4	1 32	1 28	1 20	25 18	3 5	18 26	1 7	3 18	2 16	23 47	0 18	1 30	1 28	1 15	15 45	2 39	2 57	28 28	11 37	6 33
T 17	1 35	7 33	0s57	3 11	1 26	0 58	1 19	25 15	3 3	18 26	1 7	3 21	2 16	23 47	0 18	1 30	1 28	1 14	15 45	2 39	2 56	28 29	11 36	6 33
W18	1 11	13 48	2 10	2 17	1 18	0 27	1 18	25 11	3 1	18 25	1 7	3 24	2 16	23 47	0 18	1 31	1 28	1 14	15 44	2 39	2 55	28 29	11 35	6 33
T 19	0 47	19 26	3 16	1 22	1 11	0n 3	1 17	25 8	2 59	18 25	1 7	3 27	2 16	23 47	0 18	1 32	1 28	1 13	15 44	2 39	2 54	28 29	11 33	6 34
F 20	0 24	24 3	4 11	0 26	1 3	0 34	1 16	25 4	2 58	18 25	1 7	3 30	2 16	23 47	0 18	1 32	1 28	1 13	15 44	2 40	2 52	28 30	11 32	6 34
S 21	0 0	27 14	4 50	0n30	0 54	1 5	1 15	25 0	2 56	18 24	1 7	3 32	2 16	23 47	0 18	1 33	1 28	1 12	15 44	2 40	2 51	28 30	11 31	6 34
S 22	0n24	28 40	5 13	1 27	0 45	1 35	1 13	24 56	2 54	18 24	1 7	3 35	2 16	23 47	0 18	1 34	1 28	1 12	15 44	2 40	2 50	28 31	11 30	6 35
M23	0 47	28 13	5 16	2 25	0 35	2 6	1 12	24 52	2 53	18 23	1 7	3 38	2 16	23 47	0 18	1 34	1 28	1 11	15 43	2 40	2 49	28 31	11 29	6 35
T 24	1 11	25 57	4 59	3 22	0 25	2 37	1 11	24 48	2 51	18 23	1 8	3 41	2 16	23 47	0 18	1 35	1 28	1 11	15 43	2 40	2 47	28 31	11 27	6 35
W25	1 34	22 6	4 26	4 20	0 14	3 7	1 9	24 44	2 49	18 22	1 8	3 44	2 16	23 47	0 18	1 36	1 28	1 10	15 43	2 40	2 46	28 32	11 26	6 36
T 26	1 58	17 3	3 36	5 18	0 4	3 38	1 8	24 40	2 48	18 22	1 8	3 47	2 16	23 47	0 18	1 36	1 28	1 9	15 43	2 40	2 45	28 32	11 25	6 36
F 27	2 21	11 11	2 35	6 15	0n 8	4 8	1 7	24 35	2 46	18 21	1 8	3 50	2 16	23 47	0 18	1 37	1 28	1 9	15 43	2 39	2 44	28 32	11 24	6 36
S 28	2 45	4 53	1 26	7 12	0 19	4 38	1 5	24 31	2 45	18 20	1 8	3 53	2 16	23 47	0 18	1 38	1 28	1 8	15 42	2 39	2 42	28 32	11 23	6 37
S 29	3 8	1n31	0 13	8 7	0 31	5 8	1 3	24 27	2 43	18 20	1 8	3 56	2 16	23 47	0 18	1 38	1 28	1 8	15 42	2 39	2 41	28 33	11 22	6 37
M30	3 32	7 44	0n59	9 2	0 42	5 39	1 2	24 22	2 41	18 19	1 8	3 59	2 16	23 47	0 18	1 39	1 28	1 7	15 42	2 39	2 40	28 33	11 21	6 37
T 31	3n55	13n31	2n 6	9n56	0n54	6n 9	1s 0	24n17	2n40	18s18	1n 8	4n 2	2s16	23n47	0n18	1n39	1n28	1s 7	15s42	2n39	2n39	28n33	11s19	6n38

Julian Day Number = 2310985.5, Delta T = 71.23 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'09, Lahiri = 18°29'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

APRIL 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 35 41	10♈50'57	12♉41	25♈14	19♈13	22♋31	26°R24	15♈38	1♋27	29°R12	6♉36	6°R40	6♈35	27♊48	10♒17	W 1
T 2	12 39 37	11°49'57	24°59	27° 3	20°28	22°51	26♏21	15°45	1°28	29♍10	6°38	6♈40	6°32	27°54	10°20	T 2
F 3	12 43 34	12°48'55	7♊ 5	28°48	21°42	23°11	26°17	15°53	1°29	29° 9	6°39	6°39	6°29	28° 1	10°23	F 3
S 4	12 47 31	13°47'51	19° 3	0♉30	22°56	23°31	26°14	16° 0	1°31	29° 7	6°40	6°38	6°26	28° 8	10°26	S 4
S 5	12 51 27	14°46'44	0♋57	2° 7	24°10	23°52	26°10	16° 8	1°32	29° 5	6°41	6°38	6°23	28°15	10°29	S 5
M 6	12 55 24	15°45'36	12°50	3°41	25°25	24°13	26° 5	16°16	1°33	29° 4	6°43	6°D37	6°19	28°21	10°31	M 6
T 7	12 59 20	16°44'25	24°47	5°10	26°39	24°35	26° 1	16°23	1°35	29° 2	6°44	6°37	6°16	28°28	10°34	T 7
W 8	13 3 17	17°43'11	6♌54	6°34	27°53	24°56	25°57	16°31	1°36	29° 1	6°45	6°38	6°13	28°35	10°36	W 8
T 9	13 7 13	18°41'56	19°14	7°53	29° 7	25°18	25°52	16°38	1°38	28°59	6°47	6°39	6°10	28°42	10°39	T 9
F 10	13 11 10	19°40'38	1♍51	9° 7	0♉21	25°41	25°47	16°46	1°39	28°58	6°48	6°40	6° 7	28°48	10°41	F 10
S 11	13 15 6	20°39'18	14°48	10°16	1°35	26° 4	25°42	16°54	1°41	28°56	6°49	6°41	6° 3	28°55	10°44	S 11
S 12	13 19 3	21°37'56	28° 8	11°19	2°49	26°27	25°37	17° 1	1°43	28°55	6°51	6°42	6° 0	29° 2	10°46	S 12
M13	13 23 0	22°36'31	11♎49	12°17	4° 3	26°50	25°32	17° 9	1°44	28°53	6°52	6°R42	5°57	29° 8	10°48	M13
T 14	13 26 56	23°35'05	25°51	13° 9	5°17	27°13	25°27	17°16	1°46	28°52	6°53	6°41	5°54	29°15	10°50	T 14
W15	13 30 53	24°33'37	10♏ 9	13°56	6°31	27°37	25°21	17°24	1°48	28°50	6°55	6°40	5°51	29°22	10°53	W15
T 16	13 34 49	25°32'07	24°39	14°36	7°45	28° 1	25°16	17°32	1°50	28°49	6°56	6°37	5°48	29°29	10°55	T 16
F 17	13 38 46	26°30'35	9♐14	15°11	8°59	28°25	25°10	17°39	1°52	28°47	6°57	6°35	5°44	29°35	10°57	F 17
S 18	13 42 42	27°29'02	23°48	15°40	10°13	28°50	25° 4	17°47	1°54	28°46	6°59	6°32	5°41	29°42	10°59	S 18
S 19	13 46 39	28°27'27	8♑16	16° 3	11°27	29°15	24°58	17°54	1°56	28°44	7° 0	6°30	5°38	29°49	11° 0	S 19
M20	13 50 35	29°25'50	22°34	16°20	12°41	29°40	24°52	18° 2	1°58	28°43	7° 1	6°29	5°35	29°56	11° 2	M20
T 21	13 54 32	0♉24'12	6♒38	16°31	13°55	0♌ 5	24°45	18° 9	2° 0	28°42	7° 3	6°D29	5°32	0♋ 2	11° 4	T 21
W22	13 58 29	1°22'33	20°28	16°37	15° 8	0°31	24°39	18°17	2° 2	28°40	7° 4	6°30	5°29	0° 9	11° 6	W22
T 23	14 2 25	2°20'51	4♓ 3	16°R37	16°22	0°57	24°33	18°24	2° 4	28°39	7° 5	6°32	5°25	0°16	11° 7	T 23
F 24	14 6 22	3°19'09	17°24	16°32	17°36	1°22	24°26	18°32	2° 6	28°38	7° 7	6°33	5°22	0°22	11° 9	F 24
S 25	14 10 18	4°17'24	0♈32	16°22	18°50	1°49	24°19	18°39	2° 9	28°36	7° 8	6°R34	5°19	0°29	11°10	S 25
S 26	14 14 15	5°15'38	13°27	16° 6	20° 4	2°15	24°13	18°47	2°11	28°35	7° 9	6°34	5°16	0°36	11°12	S 26
M27	14 18 11	6°13'50	26° 9	15°47	21°17	2°42	24° 6	18°54	2°13	28°34	7°11	6°33	5°13	0°43	11°13	M27
T 28	14 22 8	7°12'01	8♉41	15°23	22°31	3° 9	23°59	19° 1	2°16	28°33	7°12	6°30	5° 9	0°49	11°15	T 28
W29	14 26 4	8°10'10	21° 1	14°56	23°45	3°36	23°52	19° 9	2°18	28°32	7°14	6°25	5° 6	0°56	11°16	W29
T 30	14 30 1	9♉ 8'17	3♊12	14♉25	24♉58	4♌ 3	23♏45	19♈16	2♋21	28♍30	7♉15	6♈20	5♈ 3	1♋ 3	11♒17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n18	18n38	3n 6	10n48	1n 5	6n38	0s58	24n13	2n38	18s17	1n 8	4n 5	2s15	23n47	0n18	1n40	1n28	1s 6	15s42	2n39	2n37	28n33	11s18	6n38
T 2	4 41	22 53	3 57	11 38	1 17	7 8	0 57	24 8	2 37	18 16	1 8	4 8	2 15	23 47	0 18	1 41	1 28	1 6	15 42	2 39	2 36	28 34	11 17	6 39
F 3	5 4	26 4	4 35	12 26	1 28	7 38	0 55	24 3	2 35	18 15	1 8	4 11	2 15	23 47	0 18	1 41	1 28	1 5	15 41	2 39	2 35	28 34	11 16	6 39
S 4	5 27	28 3	5 2	13 13	1 39	8 7	0 53	23 58	2 34	18 14	1 9	4 14	2 15	23 47	0 18	1 42	1 28	1 5	15 41	2 38	2 33	28 34	11 15	6 39
S 5	5 50	28 44	5 15	13 57	1 49	8 36	0 51	23 53	2 32	18 13	1 9	4 17	2 15	23 47	0 18	1 43	1 28	1 4	15 41	2 38	2 32	28 34	11 14	6 40
M 6	6 13	28 5	5 15	14 38	1 59	9 5	0 49	23 47	2 31	18 12	1 9	4 19	2 15	23 46	0 18	1 43	1 28	1 4	15 41	2 38	2 31	28 35	11 13	6 40
T 7	6 36	26 9	5 1	15 17	2 8	9 34	0 47	23 42	2 29	18 11	1 9	4 22	2 15	23 46	0 18	1 44	1 28	1 3	15 41	2 38	2 30	28 35	11 12	6 40
W 8	6 58	23 0	4 33	15 54	2 17	10 2	0 45	23 37	2 28	18 10	1 9	4 25	2 15	23 46	0 18	1 45	1 28	1 2	15 41	2 38	2 28	28 35	11 11	6 41
T 9	7 21	18 47	3 53	16 27	2 25	10 31	0 43	23 31	2 26	18 9	1 9	4 28	2 15	23 46	0 18	1 45	1 28	1 2	15 41	2 39	2 27	28 35	11 10	6 41
F 10	7 43	13 39	3 1	16 58	2 32	10 59	0 41	23 26	2 25	18 8	1 9	4 31	2 15	23 46	0 17	1 46	1 28	1 1	15 40	2 39	2 26	28 35	11 9	6 42
S 11	8 5	7 49	1 58	17 26	2 39	11 27	0 39	23 20	2 24	18 7	1 9	4 34	2 15	23 46	0 17	1 46	1 28	1 1	15 40	2 40	2 25	28 36	11 8	6 42
S 12	8 27	1 28	0 47	17 51	2 44	11 54	0 37	23 14	2 22	18 5	1 9	4 37	2 16	23 46	0 17	1 47	1 28	1 0	15 40	2 40	2 23	28 36	11 7	6 42
M13	8 49	5s 7	0s28	18 14	2 48	12 21	0 34	23 8	2 21	18 4	1 9	4 40	2 16	23 46	0 17	1 48	1 28	1 0	15 40	2 40	2 22	28 36	11 6	6 43
T 14	9 11	11 37	1 44	18 33	2 52	12 48	0 32	23 2	2 19	18 3	1 9	4 43	2 16	23 46	0 17	1 48	1 28	0 59	15 40	2 40	2 21	28 36	11 5	6 43
W15	9 32	17 39	2 54	18 49	2 54	13 15	0 30	22 56	2 18	18 1	1 9	4 46	2 16	23 46	0 17	1 49	1 28	0 59	15 40	2 39	2 20	28 36	11 4	6 44
T 16	9 54	22 45	3 54	19 3	2 55	13 41	0 28	22 50	2 17	18 0	1 9	4 48	2 16	23 46	0 17	1 49	1 28	0 58	15 40	2 38	2 18	28 36	11 3	6 44
F 17	10 15	26 29	4 40	19 13	2 56	14 7	0 25	22 44	2 15	17 59	1 9	4 51	2 16	23 46	0 17	1 50	1 28	0 58	15 40	2 37	2 17	28 36	11 2	6 44
S 18	10 36	28 27	5 7	19 21	2 54	14 33	0 23	22 37	2 14	17 57	1 9	4 54	2 16	23 46	0 17	1 50	1 28	0 57	15 40	2 36	2 16	28 37	11 1	6 45
S 19	10 57	28 28	5 14	19 25	2 52	14 58	0 21	22 31	2 13	17 56	1 9	4 57	2 16	23 46	0 17	1 51	1 28	0 57	15 40	2 35	2 15	28 37	11 0	6 45
M20	11 18	26 34	5 2	19 27	2 49	15 23	0 18	22 24	2 11	17 54	1 9	5 0	2 16	23 46	0 17	1 51	1 28	0 57	15 40	2 35	2 13	28 37	10 59	6 46
T 21	11 38	23 2	4 32	19 26	2 44	15 48	0 16	22 18	2 10	17 53	1 9	5 3	2 16	23 46	0 17	1 52	1 28	0 56	15 39	2 35	2 12	28 37	10 58	6 46
W22	11 59	18 17	3 47	19 21	2 38	16 12	0 13	22 11	2 9	17 51	1 9	5 5	2 16	23 46	0 17	1 52	1 28	0 56	15 39	2 35	2 11	28 37	10 57	6 47
T 23	12 19	12 40	2 49	19 14	2 30	16 36	0 11	22 4	2 7	17 50	1 9	5 8	2 16	23 46	0 17	1 53	1 28	0 55	15 39	2 36	2 10	28 37	10 57	6 47
F 24	12 39	6 34	1 43	19 4	2 21	16 59	0 8	21 57	2 6	17 48	1 9	5 11	2 16	23 46	0 17	1 53	1 28	0 55	15 39	2 36	2 8	28 37	10 56	6 47
S 25	12 59	0 18	0 33	18 52	2 11	17 22	0 6	21 50	2 5	17 46	1 9	5 14	2 16	23 46	0 17	1 54	1 28	0 54	15 39	2 37	2 7	28 37	10 55	6 48
S 26	13 18	5n54	0n38	18 37	2 0	17 44	0 3	21 43	2 4	17 45	1 9	5 16	2 16	23 46	0 17	1 54	1 28	0 54	15 39	2 37	2 6	28 37	10 54	6 48
M27	13 38	11 45	1 45	18 19	1 48	18 6	0 1	21 35	2 2	17 43	1 9	5 19	2 16	23 46	0 17	1 55	1 28	0 53	15 39	2 36	2 4	28 37	10 53	6 49
T 28	13 57	17 3	2 46	17 59	1 34	18 28	0n 2	21 28	2 1	17 41	1 9	5 22	2 16	23 46	0 17	1 55	1 28	0 53	15 39	2 35	2 3	28 37	10 53	6 49
W29	14 16	21 34	3 39	17 37	1 20	18 49	0 4	21 20	2 0	17 40	1 9	5 25	2 16	23 46	0 17	1 56	1 28	0 52	15 39	2 33	2 2	28 37	10 52	6 50
T 30	14n34	25n 6	4n21	17n14	1n 5	19n10	0n 7	21n13	1n59	17s38	1n 9	5n27	2s16	23n46	0n17	1n56	1n28	0s52	15s39	2n31	2n 1	28n37	10s51	6n50

Julian Day Number = 2311016.5, Delta T = 71.14 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'13, Lahiri = 18°29'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

MAY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 33 58	10♉ 6'23	15♊14	13°R52	26♉12	4♌30	23°R37	19♈23	2♋23	28°R29	7♉16	6°R14	5♈ 0	1♋ 9	11♒18	F 1
S 2	14 37 54	11° 4'26	27°10	13♉17	27°26	4°58	23♏30	19°31	2°26	28♍28	7°18	6♈ 8	4°57	1°16	11°19	S 2
S 3	14 41 51	12° 2'28	9♋ 3	12°41	28°39	5°26	23°23	19°38	2°28	28°27	7°19	6° 3	4°54	1°23	11°20	S 3
M 4	14 45 47	13° 0'28	20°55	12° 4	29°53	5°54	23°15	19°45	2°31	28°26	7°20	5°59	4°50	1°30	11°21	M 4
T 5	14 49 44	13°58'27	2♌51	11°28	1♊ 6	6°22	23° 8	19°52	2°33	28°25	7°22	5°56	4°47	1°36	11°22	T 5
W 6	14 53 40	14°56'23	14°55	10°52	2°20	6°51	23° 1	20° 0	2°36	28°24	7°23	5°D56	4°44	1°43	11°23	W 6
T 7	14 57 37	15°54'17	27°12	10°17	3°33	7°19	22°53	20° 7	2°39	28°23	7°24	5°56	4°41	1°50	11°23	T 7
F 8	15 1 33	16°52'10	9♍47	9°44	4°47	7°48	22°46	20°14	2°42	28°22	7°26	5°58	4°38	1°57	11°24	F 8
S 9	15 5 30	17°50'01	22°44	9°13	6° 0	8°17	22°38	20°21	2°44	28°21	7°27	5°59	4°35	2° 3	11°24	S 9
S 10	15 9 27	18°47'50	6♎ 6	8°46	7°13	8°46	22°30	20°28	2°47	28°20	7°28	6°R 0	4°31	2°10	11°25	S 10
M11	15 13 23	19°45'37	19°55	8°21	8°27	9°15	22°23	20°35	2°50	28°19	7°30	5°59	4°28	2°17	11°25	M11
T 12	15 17 20	20°43'23	4♏10	8° 1	9°40	9°44	22°15	20°42	2°53	28°18	7°31	5°56	4°25	2°23	11°26	T 12
W13	15 21 16	21°41'07	18°47	7°44	10°53	10°14	22° 7	20°49	2°56	28°17	7°32	5°51	4°22	2°30	11°26	W13
T 14	15 25 13	22°38'50	3♐40	7°31	12° 7	10°44	22° 0	20°56	2°59	28°17	7°34	5°45	4°19	2°37	11°26	T 14
F 15	15 29 9	23°36'32	18°41	7°23	13°20	11°13	21°52	21° 3	3° 2	28°16	7°35	5°38	4°15	2°44	11°26	F 15
S 16	15 33 6	24°34'13	3♑40	7°D19	14°33	11°43	21°45	21° 9	3° 5	28°15	7°36	5°31	4°12	2°50	11°26	S 16
S 17	15 37 2	25°31'52	18°29	7°20	15°46	12°13	21°37	21°16	3° 8	28°14	7°38	5°25	4° 9	2°57	11°R26	S 17
M18	15 40 59	26°29'31	3♒ 0	7°25	16°59	12°44	21°29	21°23	3°11	28°14	7°39	5°21	4° 6	3° 4	11°26	M18
T 19	15 44 56	27°27'08	17°11	7°35	18°13	13°14	21°22	21°30	3°14	28°13	7°40	5°19	4° 3	3°11	11°26	T 19
W20	15 48 52	28°24'44	0♓59	7°49	19°26	13°45	21°14	21°36	3°17	28°12	7°42	5°D18	4° 0	3°17	11°26	W20
T 21	15 52 49	29°22'20	14°25	8° 8	20°39	14°15	21° 7	21°43	3°20	28°12	7°43	5°19	3°56	3°24	11°26	T 21
F 22	15 56 45	0♈19'54	27°33	8°31	21°52	14°46	20°59	21°49	3°23	28°11	7°44	5°20	3°53	3°31	11°26	F 22
S 23	16 0 42	1°17'28	10♈23	8°58	23° 5	15°17	20°52	21°56	3°26	28°10	7°45	5°R20	3°50	3°37	11°25	S 23
S 24	16 4 38	2°15'01	23° 0	9°30	24°18	15°48	20°44	22° 2	3°29	28°10	7°47	5°18	3°47	3°44	11°25	S 24
M25	16 8 35	3°12'32	5♉26	10° 5	25°31	16°19	20°37	22° 9	3°33	28° 9	7°48	5°14	3°44	3°51	11°24	M25
T 26	16 12 31	4°10'03	17°42	10°45	26°44	16°51	20°30	22°15	3°36	28° 9	7°49	5° 8	3°41	3°58	11°24	T 26
W27	16 16 28	5° 7'33	29°50	11°28	27°57	17°22	20°23	22°21	3°39	28° 8	7°50	4°59	3°37	4° 4	11°23	W27
T 28	16 20 25	6° 5'02	11♊52	12°15	29°10	17°54	20°15	22°28	3°42	28° 8	7°52	4°49	3°34	4°11	11°22	T 28
F 29	16 24 21	7° 2'30	23°49	13° 6	0♋23	18°25	20° 8	22°34	3°46	28° 8	7°53	4°37	3°31	4°18	11°22	F 29
S 30	16 28 18	7°59'57	5♋42	14° 1	1°36	18°57	20° 1	22°40	3°49	28° 7	7°54	4°25	3°28	4°24	11°21	S 30
S 31	16 32 14	8♊57'23	17♋34	14♉59	2♋49	19♌29	19♏54	22♈46	3♋52	28♍ 7	7♉55	4♈15	3♈25	4♋31	11♒20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n53	27n29	4n50	16n49	0n49	19n30	0n 9	21n 5	1n58	17s36	1n 9	5n30	2s16	23n46	0n17	1n57	1n28	0s52	15s39	2n29	1n59	28n37	10s50	6n51
S 2	15 11	28 34	5 7	16 22	0 32	19 49	0 12	20 57	1 56	17 34	1 9	5 33	2 17	23 46	0 17	1 57	1 28	0 51	15 39	2 26	1 58	28 37	10 50	6 51
S 3	15 29	28 20	5 10	15 55	0 15	20 8	0 14	20 49	1 55	17 33	1 9	5 35	2 17	23 46	0 17	1 58	1 28	0 51	15 39	2 24	1 57	28 37	10 49	6 51
M 4	15 47	26 48	5 0	15 27	0s 2	20 27	0 17	20 41	1 54	17 31	1 9	5 38	2 17	23 45	0 17	1 58	1 28	0 50	15 39	2 23	1 56	28 37	10 48	6 52
T 5	16 4	24 4	4 37	14 59	0 20	20 44	0 19	20 33	1 53	17 29	1 9	5 41	2 17	23 45	0 17	1 58	1 28	0 50	15 39	2 22	1 54	28 37	10 48	6 52
W 6	16 21	20 15	4 2	14 32	0 37	21 2	0 22	20 24	1 52	17 27	1 9	5 43	2 17	23 45	0 17	1 59	1 28	0 50	15 39	2 22	1 53	28 37	10 47	6 53
T 7	16 38	15 31	3 15	14 5	0 54	21 18	0 24	20 16	1 51	17 25	1 9	5 46	2 17	23 45	0 17	1 59	1 28	0 49	15 39	2 22	1 52	28 37	10 46	6 53
F 8	16 55	10 2	2 17	13 38	1 11	21 35	0 27	20 7	1 49	17 23	1 9	5 48	2 17	23 45	0 17	1 59	1 28	0 49	15 39	2 22	1 51	28 37	10 46	6 54
S 9	17 11	3 59	1 11	13 13	1 27	21 50	0 29	19 59	1 48	17 22	1 9	5 51	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 49	28 37	10 45	6 54
S 10	17 27	2s26	0s 1	12 50	1 43	22 5	0 32	19 50	1 47	17 20	1 9	5 54	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 48	28 37	10 45	6 55
M11	17 43	8 57	1 15	12 28	1 58	22 20	0 34	19 41	1 46	17 18	1 9	5 56	2 17	23 45	0 17	2 0	1 28	0 48	15 39	2 23	1 47	28 37	10 44	6 55
T 12	17 58	15 13	2 26	12 8	2 12	22 33	0 37	19 32	1 45	17 16	1 9	5 59	2 17	23 45	0 17	2 1	1 27	0 47	15 39	2 22	1 46	28 37	10 44	6 56
W13	18 14	20 49	3 30	11 50	2 25	22 46	0 39	19 23	1 44	17 14	1 9	6 1	2 18	23 45	0 17	2 1	1 27	0 47	15 39	2 20	1 44	28 37	10 43	6 56
T 14	18 28	25 12	4 21	11 35	2 37	22 59	0 42	19 14	1 43	17 12	1 8	6 4	2 18	23 45	0 17	2 1	1 27	0 47	15 39	2 17	1 43	28 36	10 43	6 56
F 15	18 43	27 53	4 54	11 21	2 48	23 11	0 44	19 5	1 42	17 10	1 8	6 6	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 15	1 42	28 36	10 42	6 57
S 16	18 57	28 33	5 7	11 11	2 58	23 22	0 46	18 55	1 41	17 9	1 8	6 8	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 12	1 40	28 36	10 42	6 57
S 17	19 11	27 9	4 59	11 2	3 7	23 32	0 49	18 46	1 40	17 7	1 8	6 11	2 18	23 45	0 17	2 2	1 27	0 46	15 40	2 9	1 39	28 36	10 41	6 58
M18	19 25	23 56	4 32	10 57	3 15	23 42	0 51	18 36	1 39	17 5	1 8	6 13	2 18	23 45	0 17	2 2	1 27	0 45	15 40	2 8	1 38	28 36	10 41	6 58
T 19	19 38	19 21	3 49	10 53	3 22	23 51	0 53	18 26	1 38	17 3	1 8	6 16	2 18	23 44	0 17	2 3	1 27	0 45	15 40	2 7	1 37	28 36	10 40	6 59
W20	19 51	13 51	2 54	10 52	3 28	24 0	0 56	18 17	1 36	17 1	1 8	6 18	2 18	23 44	0 17	2 3	1 27	0 45	15 40	2 7	1 35	28 36	10 40	6 59
T 21	20 4	7 50	1 50	10 54	3 32	24 8	0 58	18 7	1 35	16 59	1 8	6 20	2 19	23 44	0 17	2 3	1 27	0 44	15 40	2 7	1 34	28 35	10 40	7 0
F 22	20 16	1 37	0 42	10 57	3 36	24 15	1 0	17 57	1 34	16 57	1 8	6 23	2 19	23 44	0 17	2 3	1 27	0 44	15 40	2 7	1 33	28 35	10 39	7 0
S 23	20 28	4n32	0n27	11 3	3 39	24 21	1 2	17 46	1 33	16 56	1 7	6 25	2 19	23 44	0 17	2 4	1 27	0 44	15 40	2 7	1 32	28 35	10 39	7 0
S 24	20 39	10 24	1 33	11 12	3 41	24 27	1 5	17 36	1 32	16 54	1 7	6 27	2 19	23 44	0 17	2 4	1 27	0 43	15 40	2 7	1 30	28 35	10 39	7 1
M25	20 51	15 46	2 34	11 22	3 42	24 32	1 7	17 26	1 31	16 52	1 7	6 29	2 19	23 44	0 17	2 4	1 27	0 43	15 40	2 5	1 29	28 35	10 38	7 1
T 26	21 2	20 26	3 26	11 34	3 42	24 36	1 9	17 15	1 30	16 50	1 7	6 32	2 19	23 44	0 17	2 4	1 27	0 43	15 41	2 3	1 28	28 35	10 38	7 2
W27	21 12	24 12	4 8	11 48	3 41	24 39	1 11	17 5	1 29	16 48	1 7	6 34	2 19	23 44	0 17	2 4	1 27	0 43	15 41	1 59	1 27	28 34	10 38	7 2
T 28	21 22	26 52	4 39	12 4	3 39	24 42	1 13	16 54	1 28	16 47	1 7	6 36	2 20	23 44	0 17	2 4	1 27	0 42	15 41	1 55	1 25	28 34	10 38	7 3
F 29	21 32	28 18	4 57	12 21	3 37	24 44	1 15	16 43	1 27	16 45	1 7	6 38	2 20	23 44	0 17	2 4	1 27	0 42	15 41	1 50	1 24	28 34	10 37	7 3
S 30	21 41	28 24	5 2	12 41	3 34	24 45	1 17	16 33	1 26	16 43	1 6	6 40	2 20	23 44	0 17	2 5	1 27	0 42	15 41	1 46	1 23	28 34	10 37	7 3
S 31	21n50	27n12	4n55	13n 1	3s30	24n46	1n18	16n22	1n25	16s42	1n 6	6n42	2s20	23n43	0n17	2n 5	1n27	0s42	15s41	1n41	1n22	28n33	10s37	7n 4

Julian Day Number = 2311046.5, Delta T = 71.06 sec
Ecliptic obliquity = 23°29'31, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'17, Lahiri = 18°29'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

JUNE 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 36 11	9♊54'48	29♋25	16♉ 0	4♋ 1	20♌ 1	19°R48	22♈52	3♋56	28°R 7	7♉57	4°R 6	3♈21	4♋38	11°R19	M 1
T 2	16 40 7	10°52'12	11♌21	17° 5	5°14	20°33	19♏41	22°58	3°59	28♍ 7	7°58	4♈ 0	3°18	4°45	11♒18	T 2
W 3	16 44 4	11°49'34	23°24	18°13	6°27	21° 6	19°34	23° 4	4° 3	28° 6	7°59	3°56	3°15	4°51	11°17	W 3
T 4	16 48 0	12°46'56	5♍38	19°24	7°40	21°38	19°28	23°10	4° 6	28° 6	8° 0	3°54	3°12	4°58	11°16	T 4
F 5	16 51 57	13°44'16	18° 9	20°38	8°52	22°11	19°21	23°16	4°10	28° 6	8° 1	3°D54	3° 9	5° 5	11°14	F 5
S 6	16 55 54	14°41'36	1♎ 2	21°56	10° 5	22°43	19°15	23°21	4°13	28° 6	8° 2	3°R55	3° 6	5°12	11°13	S 6
S 7	16 59 50	15°38'54	14°20	23°16	11°18	23°16	19° 9	23°27	4°16	28° 6	8° 3	3°54	3° 2	5°18	11°12	S 7
M 8	17 3 47	16°36'11	28° 7	24°40	12°30	23°49	19° 3	23°32	4°20	28° 6	8° 5	3°52	2°59	5°25	11°10	M 8
T 9	17 7 43	17°33'28	12♏22	26° 6	13°43	24°22	18°57	23°38	4°23	28°D 6	8° 6	3°48	2°56	5°32	11° 9	T 9
W10	17 11 40	18°30'44	27° 5	27°36	14°55	24°55	18°51	23°43	4°27	28° 6	8° 7	3°41	2°53	5°38	11° 7	W10
T 11	17 15 36	19°27'59	12♐ 9	29° 8	16° 8	25°28	18°45	23°49	4°30	28° 6	8° 8	3°32	2°50	5°45	11° 6	T 11
F 12	17 19 33	20°25'14	27°25	0♊44	17°20	26° 1	18°40	23°54	4°34	28° 6	8° 9	3°22	2°47	5°52	11° 4	F 12
S 13	17 23 30	21°22'28	12♑41	2°22	18°33	26°34	18°34	23°59	4°37	28° 6	8°10	3°12	2°43	5°59	11° 2	S 13
S 14	17 27 26	22°19'41	27°48	4° 4	19°45	27° 8	18°29	24° 5	4°41	28° 6	8°11	3° 3	2°40	6° 5	11° 1	S 14
M15	17 31 23	23°16'55	12♒35	5°48	20°57	27°41	18°24	24°10	4°45	28° 6	8°12	2°56	2°37	6°12	10°59	M15
T 16	17 35 19	24°14'08	26°57	7°35	22°10	28°15	18°19	24°15	4°48	28° 6	8°13	2°51	2°34	6°19	10°57	T 16
W17	17 39 16	25°11'21	10♓51	9°25	23°22	28°49	18°14	24°20	4°52	28° 7	8°14	2°49	2°31	6°26	10°55	W17
T 18	17 43 12	26° 8'34	24°19	11°17	24°34	29°23	18° 9	24°25	4°55	28° 7	8°15	2°49	2°27	6°32	10°53	T 18
F 19	17 47 9	27° 5'46	7♈23	13°12	25°46	29°56	18° 4	24°30	4°59	28° 7	8°16	2°49	2°24	6°39	10°51	F 19
S 20	17 51 5	28° 2'59	20° 7	15°10	26°59	0♍30	18° 0	24°34	5° 3	28° 7	8°17	2°48	2°21	6°46	10°49	S 20
S 21	17 55 2	29° 0'12	2♉34	17° 9	28°11	1° 5	17°56	24°39	5° 6	28° 8	8°18	2°46	2°18	6°52	10°47	S 21
M22	17 58 59	29°57'25	14°49	19°11	29°23	1°39	17°52	24°44	5°10	28° 8	8°19	2°41	2°15	6°59	10°45	M22
T 23	18 2 55	0♋54'37	26°54	21°15	0♌35	2°13	17°48	24°48	5°13	28° 9	8°20	2°33	2°12	7° 6	10°42	T 23
W24	18 6 52	1°51'50	8♊54	23°21	1°47	2°47	17°44	24°53	5°17	28° 9	8°21	2°22	2° 8	7°13	10°40	W24
T 25	18 10 48	2°49'03	20°49	25°28	2°59	3°22	17°40	24°57	5°21	28°10	8°21	2° 9	2° 5	7°19	10°38	T 25
F 26	18 14 45	3°46'15	2♋42	27°36	4°11	3°56	17°37	25° 1	5°24	28°10	8°22	1°55	2° 2	7°26	10°35	F 26
S 27	18 18 41	4°43'28	14°34	29°46	5°23	4°31	17°33	25° 5	5°28	28°11	8°23	1°41	1°59	7°33	10°33	S 27
S 28	18 22 38	5°40'41	26°26	1♋56	6°35	5° 6	17°30	25°10	5°31	28°11	8°24	1°29	1°56	7°39	10°31	S 28
M29	18 26 34	6°37'53	8♌20	4° 6	7°47	5°40	17°27	25°14	5°35	28°12	8°25	1°18	1°53	7°46	10°28	M29
T 30	18 30 31	7♋35'05	20♌19	6♋16	8♌58	6♍15	17♏25	25♈18	5♋39	28♍13	8♉26	1♈10	1♈49	7♋53	10♒25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n59	24n47	4n34	13n23	3s25	24n46	1n20	16n11	1n24	16s40	1n 6	6n44	2s20	23n43	0n17	2n 5	1n27	0s41	15s41	1n38	1n20	28n33	10s37	7n 4
T 2	22 7	21 16	4 1	13 46	3 20	24 45	1 22	15 59	1 24	16 38	1 6	6 46	2 20	23 43	0 17	2 5	1 27	0 41	15 42	1 36	1 19	28 33	10 37	7 5
W 3	22 15	16 51	3 18	14 11	3 14	24 44	1 24	15 48	1 23	16 37	1 6	6 48	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 34	1 18	28 33	10 37	7 5
T 4	22 23	11 42	2 24	14 37	3 7	24 41	1 25	15 37	1 22	16 35	1 5	6 50	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 33	1 16	28 32	10 37	7 6
F 5	22 30	5 58	1 23	15 3	3 0	24 38	1 27	15 25	1 21	16 33	1 5	6 52	2 21	23 43	0 17	2 5	1 27	0 41	15 42	1 33	1 15	28 32	10 37	7 6
S 6	22 37	0s11	0 15	15 31	2 53	24 35	1 28	15 14	1 20	16 32	1 5	6 54	2 21	23 43	0 17	2 5	1 27	0 40	15 42	1 33	1 14	28 32	10 37	7 6
S 7	22 43	6 30	0s55	15 59	2 44	24 30	1 30	15 2	1 19	16 30	1 5	6 56	2 21	23 43	0 17	2 5	1 27	0 40	15 42	1 33	1 13	28 31	10 36	7 7
M 8	22 49	12 46	2 5	16 28	2 36	24 25	1 31	14 50	1 18	16 29	1 5	6 58	2 22	23 43	0 17	2 5	1 26	0 40	15 43	1 33	1 11	28 31	10 36	7 7
T 9	22 54	18 34	3 9	16 57	2 27	24 19	1 33	14 38	1 17	16 28	1 5	7 0	2 22	23 43	0 17	2 5	1 26	0 40	15 43	1 31	1 10	28 31	10 36	7 8
W10	23 0	23 29	4 2	17 27	2 17	24 13	1 34	14 26	1 16	16 26	1 4	7 2	2 22	23 42	0 17	2 5	1 26	0 40	15 43	1 28	1 9	28 30	10 37	7 8
T 11	23 4	26 56	4 40	17 57	2 7	24 5	1 35	14 14	1 15	16 25	1 4	7 4	2 22	23 42	0 17	2 5	1 26	0 40	15 43	1 24	1 8	28 30	10 37	7 8
F 12	23 9	28 27	4 59	18 27	1 57	23 58	1 36	14 2	1 14	16 23	1 4	7 5	2 22	23 42	0 17	2 5	1 26	0 39	15 43	1 20	1 6	28 30	10 37	7 9
S 13	23 13	27 48	4 57	18 57	1 46	23 49	1 38	13 50	1 13	16 22	1 4	7 7	2 23	23 42	0 17	2 5	1 26	0 39	15 43	1 16	1 5	28 29	10 37	7 9
S 14	23 16	25 7	4 34	19 27	1 35	23 40	1 39	13 38	1 12	16 21	1 3	7 9	2 23	23 42	0 17	2 5	1 26	0 39	15 44	1 13	1 4	28 29	10 37	7 9
M15	23 19	20 47	3 52	19 57	1 24	23 30	1 40	13 25	1 12	16 20	1 3	7 11	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 10	1 3	28 29	10 37	7 10
T 16	23 22	15 20	2 57	20 26	1 12	23 19	1 40	13 13	1 11	16 18	1 3	7 12	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 8	1 1	28 28	10 37	7 10
W17	23 24	9 15	1 53	20 54	1 1	23 8	1 41	13 0	1 10	16 17	1 3	7 14	2 23	23 42	0 17	2 4	1 26	0 39	15 44	1 7	1 0	28 28	10 37	7 10
T 18	23 26	2 57	0 45	21 22	0 49	22 56	1 42	12 47	1 9	16 16	1 3	7 15	2 24	23 41	0 17	2 4	1 26	0 39	15 44	1 7	0 59	28 27	10 38	7 11
F 19	23 28	3n18	0n24	21 49	0 38	22 43	1 43	12 35	1 8	16 15	1 2	7 17	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 7	0 58	28 27	10 38	7 11
S 20	23 29	9 16	1 30	22 14	0 26	22 30	1 43	12 22	1 7	16 14	1 2	7 19	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 7	0 56	28 27	10 38	7 11
S 21	23 29	14 44	2 30	22 38	0 15	22 16	1 44	12 9	1 6	16 13	1 2	7 20	2 24	23 41	0 17	2 4	1 26	0 39	15 45	1 6	0 55	28 26	10 38	7 12
M22	23 30	19 32	3 22	23 0	0 3	22 2	1 44	11 56	1 5	16 12	1 2	7 21	2 24	23 41	0 17	2 3	1 26	0 39	15 45	1 4	0 54	28 26	10 39	7 12
T 23	23 29	23 28	4 4	23 20	0n 8	21 46	1 45	11 43	1 5	16 11	1 1	7 23	2 25	23 41	0 17	2 3	1 26	0 38	15 46	1 1	0 52	28 25	10 39	7 12
W24	23 29	26 22	4 35	23 38	0 19	21 31	1 45	11 29	1 4	16 11	1 1	7 24	2 25	23 41	0 17	2 3	1 26	0 38	15 46	0 57	0 51	28 25	10 39	7 13
T 25	23 28	28 3	4 54	23 54	0 29	21 14	1 45	11 16	1 3	16 10	1 1	7 26	2 25	23 40	0 18	2 3	1 26	0 38	15 46	0 52	0 50	28 24	10 39	7 13
F 26	23 26	28 27	4 59	24 7	0 39	20 58	1 45	11 3	1 2	16 9	1 1	7 27	2 25	23 40	0 18	2 2	1 26	0 38	15 46	0 46	0 49	28 24	10 40	7 13
S 27	23 24	27 32	4 52	24 18	0 49	20 40	1 46	10 49	1 1	16 8	1 0	7 28	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 40	0 47	28 23	10 40	7 14
S 28	23 22	25 22	4 32	24 26	0 57	20 22	1 45	10 36	1 0	16 8	1 0	7 30	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 35	0 46	28 23	10 41	7 14
M29	23 20	22 5	4 0	24 31	1 6	20 4	1 45	10 22	0 59	16 7	1 0	7 31	2 26	23 40	0 18	2 2	1 26	0 38	15 47	0 31	0 45	28 22	10 41	7 14
T 30	23n16	17n52	3n17	24n34	1n13	19n45	1n45	10n 9	0n59	16s 7	1n 0	7n32	2s26	23n40	0n18	2n 1	1n26	0s38	15s47	0n28	0n44	28n22	10s41	7n14

Julian Day Number = 2311077.5, Delta T = 70.97 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'22, Lahiri = 18°29'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

JULY 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 34 28	8♋32'17	2♍24	8♋27	10♌10	6♍50	17°R22	25♈21	5♋42	28♍13	8♉26	1°R 5	1♈46	8♋ 0	10°R23	W 1
T 2	18 38 24	9°29'29	14°40	10°36	11°22	7°25	17♏20	25°25	5°46	28°14	8°27	1♈ 2	1°43	8° 6	10♒20	T 2
F 3	18 42 21	10°26'40	27°11	12°45	12°34	8° 0	17°17	25°29	5°50	28°15	8°28	1°D 1	1°40	8°13	10°18	F 3
S 4	18 46 17	11°23'52	10♎ 1	14°54	13°45	8°36	17°15	25°33	5°53	28°15	8°28	1°R 1	1°37	8°20	10°15	S 4
S 5	18 50 14	12°21'03	23°14	17° 1	14°57	9°11	17°13	25°36	5°57	28°16	8°29	1° 1	1°33	8°27	10°12	S 5
M 6	18 54 10	13°18'15	6♏54	19° 7	16° 8	9°46	17°12	25°39	6° 0	28°17	8°30	0°59	1°30	8°33	10° 9	M 6
T 7	18 58 7	14°15'26	21° 2	21°11	17°20	10°22	17°10	25°43	6° 4	28°18	8°31	0°55	1°27	8°40	10° 6	T 7
W 8	19 2 3	15°12'38	5♐38	23°14	18°31	10°57	17° 9	25°46	6° 8	28°19	8°31	0°49	1°24	8°47	10° 4	W 8
T 9	19 6 0	16° 9'49	20°37	25°15	19°43	11°33	17° 8	25°49	6°11	28°20	8°32	0°40	1°21	8°53	10° 1	T 9
F 10	19 9 57	17° 7'01	5♑51	27°15	20°54	12° 9	17° 7	25°52	6°15	28°21	8°32	0°31	1°18	9° 0	9°58	F 10
S 11	19 13 53	18° 4'13	21°10	29°13	22° 5	12°44	17° 6	25°55	6°18	28°22	8°33	0°21	1°14	9° 7	9°55	S 11
S 12	19 17 50	19° 1'26	6♒23	1♌ 9	23°16	13°20	17° 5	25°58	6°22	28°23	8°34	0°12	1°11	9°14	9°52	S 12
M13	19 21 46	19°58'39	21°19	3° 4	24°28	13°56	17° 5	26° 1	6°25	28°24	8°34	0° 5	1° 8	9°20	9°49	M13
T 14	19 25 43	20°55'52	5♓50	4°57	25°39	14°32	17° 5	26° 4	6°29	28°25	8°35	0° 0	1° 5	9°27	9°46	T 14
W15	19 29 39	21°53'06	19°54	6°48	26°50	15° 8	17°D 4	26° 6	6°33	28°26	8°35	29♓58	1° 2	9°34	9°43	W15
T 16	19 33 36	22°50'21	3♈28	8°37	28° 1	15°44	17° 5	26° 9	6°36	28°27	8°36	29°D58	0°59	9°41	9°40	T 16
F 17	19 37 32	23°47'37	16°35	10°24	29°12	16°21	17° 5	26°11	6°40	28°28	8°36	29°58	0°55	9°47	9°37	F 17
S 18	19 41 29	24°44'54	29°20	12°10	0♍23	16°57	17° 5	26°13	6°43	28°29	8°37	29°R59	0°52	9°54	9°33	S 18
S 19	19 45 26	25°42'11	11♉45	13°53	1°33	17°33	17° 6	26°16	6°47	28°31	8°37	29°57	0°49	10° 1	9°30	S 19
M20	19 49 22	26°39'30	23°57	15°35	2°44	18°10	17° 7	26°18	6°50	28°32	8°37	29°54	0°46	10° 7	9°27	M20
T 21	19 53 19	27°36'50	5♊58	17°16	3°55	18°46	17° 8	26°20	6°53	28°33	8°38	29°48	0°43	10°14	9°24	T 21
W22	19 57 15	28°34'10	17°53	18°54	5° 6	19°23	17° 9	26°22	6°57	28°34	8°38	29°40	0°39	10°21	9°21	W22
T 23	20 1 12	29°31'32	29°45	20°31	6°16	19°59	17°10	26°24	7° 0	28°36	8°39	29°30	0°36	10°28	9°18	T 23
F 24	20 5 8	0♌28'54	11♋37	22° 6	7°27	20°36	17°12	26°25	7° 4	28°37	8°39	29°19	0°33	10°34	9°14	F 24
S 25	20 9 5	1°26'17	23°30	23°39	8°37	21°13	17°14	26°27	7° 7	28°38	8°39	29° 8	0°30	10°41	9°11	S 25
S 26	20 13 2	2°23'41	5♌26	25°10	9°48	21°50	17°16	26°28	7°10	28°40	8°40	28°58	0°27	10°48	9° 8	S 26
M27	20 16 58	3°21'06	17°26	26°40	10°58	22°27	17°18	26°30	7°14	28°41	8°40	28°49	0°24	10°54	9° 5	M27
T 28	20 20 55	4°18'32	29°33	28° 8	12° 8	23° 4	17°20	26°31	7°17	28°43	8°40	28°43	0°20	11° 1	9° 1	T 28
W29	20 24 51	5°15'58	11♍47	29°34	13°19	23°41	17°22	26°32	7°20	28°44	8°40	28°39	0°17	11° 8	8°58	W29
T 30	20 28 48	6°13'25	24°12	0♍58	14°29	24°18	17°25	26°33	7°24	28°46	8°41	28°D38	0°14	11°15	8°55	T 30
F 31	20 32 44	7♌10'53	6♎49	2♍20	15♍39	24♍55	17♏28	26♈34	7♋27	28♍47	8♉41	28♓38	0♈11	11♋21	8♒52	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n13	12n54	2n25	24n34	1n20	19n25	1n45	9n55	0n58	16s 6	0n59	7n33	2s27	23n40	0n18	2n 1	1n26	0s38	15s48	0n26	0n42	28n21	10s42	7n15
T 2	23 9	7 22	1 25	24 30	1 27	19 5	1 45	9 41	0 57	16 6	0 59	7 34	2 27	23 39	0 18	2 1	1 26	0 38	15 48	0 25	0 41	28 21	10 42	7 15
F 3	23 5	1 26	0 20	24 25	1 32	18 44	1 44	9 27	0 56	16 5	0 59	7 36	2 27	23 39	0 18	2 0	1 25	0 38	15 48	0 24	0 40	28 20	10 43	7 15
S 4	23 0	4s42	0s47	24 16	1 37	18 23	1 44	9 13	0 55	16 5	0 59	7 37	2 27	23 39	0 18	2 0	1 25	0 38	15 48	0 24	0 39	28 20	10 43	7 15
S 5	22 55	10 49	1 55	24 5	1 41	18 2	1 43	8 59	0 54	16 5	0 58	7 38	2 27	23 39	0 18	2 0	1 25	0 38	15 49	0 24	0 37	28 19	10 44	7 15
M 6	22 49	16 38	2 58	23 51	1 44	17 40	1 42	8 45	0 54	16 4	0 58	7 39	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 24	0 36	28 19	10 44	7 16
T 7	22 44	21 47	3 52	23 35	1 47	17 17	1 42	8 31	0 53	16 4	0 58	7 40	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 22	0 35	28 18	10 45	7 16
W 8	22 37	25 46	4 33	23 16	1 49	16 54	1 41	8 16	0 52	16 4	0 58	7 41	2 28	23 39	0 18	1 59	1 25	0 39	15 49	0 19	0 33	28 17	10 45	7 16
T 9	22 31	28 5	4 57	22 56	1 50	16 31	1 40	8 2	0 51	16 4	0 57	7 42	2 29	23 38	0 18	1 58	1 25	0 39	15 50	0 16	0 32	28 17	10 46	7 16
F 10	22 24	28 21	5 0	22 33	1 50	16 7	1 39	7 48	0 50	16 4	0 57	7 42	2 29	23 38	0 18	1 58	1 25	0 39	15 50	0 12	0 31	28 16	10 46	7 16
S 11	22 16	26 28	4 42	22 9	1 50	15 43	1 38	7 33	0 50	16 4	0 57	7 43	2 29	23 38	0 18	1 57	1 25	0 39	15 50	0 8	0 30	28 16	10 47	7 17
S 12	22 8	22 39	4 4	21 43	1 49	15 19	1 37	7 19	0 49	16 4	0 57	7 44	2 29	23 38	0 18	1 57	1 25	0 39	15 51	0 5	0 28	28 15	10 48	7 17
M13	22 0	17 25	3 10	21 16	1 48	14 54	1 35	7 4	0 48	16 4	0 56	7 45	2 30	23 38	0 18	1 56	1 25	0 39	15 51	0 2	0 27	28 15	10 48	7 17
T 14	21 51	11 19	2 4	20 47	1 45	14 28	1 34	6 50	0 47	16 4	0 56	7 46	2 30	23 38	0 18	1 56	1 25	0 39	15 51	0 0	0 26	28 14	10 49	7 17
W15	21 43	4 50	0 53	20 16	1 43	14 3	1 33	6 35	0 46	16 5	0 56	7 46	2 30	23 37	0 18	1 55	1 25	0 39	15 51	0s 1	0 25	28 13	10 50	7 17
T 16	21 33	1n40	0n19	19 45	1 39	13 37	1 31	6 20	0 46	16 5	0 56	7 47	2 30	23 37	0 18	1 55	1 25	0 39	15 52	0 1	0 23	28 13	10 50	7 17
F 17	21 23	7 53	1 27	19 12	1 36	13 11	1 30	6 5	0 45	16 5	0 55	7 48	2 31	23 37	0 18	1 54	1 25	0 40	15 52	0 1	0 22	28 12	10 51	7 17
S 18	21 13	13 35	2 30	18 39	1 31	12 44	1 28	5 50	0 44	16 6	0 55	7 48	2 31	23 37	0 18	1 54	1 25	0 40	15 52	0 1	0 21	28 11	10 52	7 18
S 19	21 3	18 37	3 23	18 4	1 26	12 17	1 26	5 36	0 43	16 6	0 55	7 49	2 31	23 37	0 18	1 53	1 25	0 40	15 53	0 1	0 20	28 11	10 52	7 18
M20	20 52	22 46	4 6	17 29	1 21	11 50	1 24	5 21	0 42	16 6	0 55	7 49	2 31	23 37	0 18	1 53	1 25	0 40	15 53	0 2	0 18	28 10	10 53	7 18
T 21	20 41	25 54	4 38	16 54	1 15	11 22	1 22	5 5	0 42	16 7	0 54	7 50	2 32	23 36	0 18	1 52	1 25	0 40	15 53	0 5	0 17	28 9	10 54	7 18
W22	20 30	27 52	4 57	16 17	1 9	10 54	1 20	4 50	0 41	16 8	0 54	7 50	2 32	23 36	0 18	1 52	1 25	0 40	15 53	0 8	0 16	28 9	10 55	7 18
T 23	20 18	28 33	5 3	15 40	1 3	10 26	1 18	4 35	0 40	16 8	0 54	7 50	2 32	23 36	0 18	1 51	1 25	0 41	15 54	0 12	0 14	28 8	10 55	7 18
F 24	20 6	27 54	4 57	15 3	0 56	9 58	1 16	4 20	0 39	16 9	0 54	7 51	2 32	23 36	0 18	1 51	1 25	0 41	15 54	0 16	0 13	28 7	10 56	7 18
S 25	19 53	25 59	4 37	14 26	0 49	9 29	1 14	4 5	0 39	16 10	0 53	7 51	2 33	23 36	0 18	1 50	1 25	0 41	15 54	0 21	0 12	28 7	10 57	7 18
S 26	19 40	22 55	4 5	13 48	0 41	9 1	1 11	3 50	0 38	16 10	0 53	7 51	2 33	23 36	0 18	1 50	1 25	0 41	15 55	0 25	0 11	28 6	10 58	7 18
M27	19 27	18 51	3 22	13 10	0 33	8 32	1 9	3 34	0 37	16 11	0 53	7 52	2 33	23 35	0 18	1 49	1 25	0 41	15 55	0 28	0 9	28 5	10 58	7 18
T 28	19 13	13 59	2 29	12 32	0 25	8 2	1 6	3 19	0 36	16 12	0 53	7 52	2 34	23 35	0 18	1 48	1 25	0 42	15 55	0 31	0 8	28 4	10 59	7 18
W29	19 0	8 32	1 29	11 54	0 16	7 33	1 4	3 3	0 36	16 13	0 52	7 52	2 34	23 35	0 18	1 48	1 25	0 42	15 56	0 32	0 7	28 4	11 0	7 18
T 30	18 45	2 40	0 24	11 16	0 8	7 4	1 1	2 48	0 35	16 14	0 52	7 52	2 34	23 35	0 18	1 47	1 25	0 42	15 56	0 33	0 6	28 3	11 1	7 18
F 31	18n31	3s23	0s44	10n38	0s 1	6n34	0n58	2n33	0n34	16s15	0n52	7n52	2s34	23n35	0n18	1n47	1n24	0s42	15s56	0s33	0n 4	28n 2	11s 2	7n18

Julian Day Number = 2311107.5, Delta T = 70.89 sec
Ecliptic obliquity = 23°29'30, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'26, Lahiri = 18°29'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

AUGUST 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 36 41	8♌ 8'22	19♎43	3♍41	16♍49	25♍33	17♏31	26♈35	7♋30	28♍49	8♉41	28♓39	0♈ 8	11♋28	8°R48	S 1
S 2	20 40 37	9° 5'51	2♏56	4°59	17°59	26°10	17°34	26°36	7°33	28°50	8°41	28°R40	0° 5	11°35	8♒45	S 2
M 3	20 44 34	10° 3'22	16°31	6°16	19° 9	26°48	17°37	26°37	7°37	28°52	8°41	28°40	0° 1	11°42	8°42	M 3
T 4	20 48 30	11° 0'53	0♐30	7°30	20°18	27°25	17°41	26°37	7°40	28°53	8°41	28°38	29♓58	11°48	8°38	T 4
W 5	20 52 27	11°58'25	14°52	8°42	21°28	28° 3	17°44	26°38	7°43	28°55	8°41	28°35	29°55	11°55	8°35	W 5
T 6	20 56 24	12°55'58	29°36	9°52	22°38	28°40	17°48	26°38	7°46	28°57	8°41	28°30	29°52	12° 2	8°32	T 6
F 7	21 0 20	13°53'32	14♑35	11° 0	23°47	29°18	17°52	26°38	7°49	28°58	8°42	28°23	29°49	12° 8	8°29	F 7
S 8	21 4 17	14°51'07	29°40	12° 5	24°57	29°56	17°56	26°38	7°52	29° 0	8°42	28°17	29°45	12°15	8°25	S 8
S 9	21 8 13	15°48'43	14♒44	13° 8	26° 6	0♎34	18° 1	26°R38	7°55	29° 2	8°R42	28°11	29°42	12°22	8°22	S 9
M10	21 12 10	16°46'21	29°35	14° 9	27°15	1°12	18° 5	26°38	7°58	29° 4	8°42	28° 7	29°39	12°29	8°19	M10
T 11	21 16 6	17°43'59	14♓ 7	15° 6	28°24	1°50	18°10	26°38	8° 1	29° 5	8°41	28° 4	29°36	12°35	8°16	T 11
W12	21 20 3	18°41'39	28°13	16° 1	29°33	2°28	18°15	26°38	8° 4	29° 7	8°41	28°D 3	29°33	12°42	8°13	W12
T 13	21 24 0	19°39'21	11♈53	16°53	0♎42	3° 6	18°20	26°38	8° 7	29° 9	8°41	28° 4	29°30	12°49	8° 9	T 13
F 14	21 27 56	20°37'04	25° 6	17°42	1°51	3°44	18°25	26°37	8°10	29°11	8°41	28° 5	29°26	12°55	8° 6	F 14
S 15	21 31 53	21°34'49	7♉54	18°27	3° 0	4°23	18°30	26°37	8°13	29°13	8°41	28° 7	29°23	13° 2	8° 3	S 15
S 16	21 35 49	22°32'35	20°23	19° 9	4° 8	5° 1	18°35	26°36	8°16	29°14	8°41	28°R 8	29°20	13° 9	8° 0	S 16
M17	21 39 46	23°30'23	2♊35	19°47	5°17	5°39	18°41	26°35	8°19	29°16	8°41	28° 7	29°17	13°16	7°57	M17
T 18	21 43 42	24°28'13	14°37	20°21	6°26	6°18	18°47	26°34	8°21	29°18	8°41	28° 5	29°14	13°22	7°54	T 18
W19	21 47 39	25°26'05	26°31	20°51	7°34	6°56	18°53	26°33	8°24	29°20	8°40	28° 2	29°11	13°29	7°51	W19
T 20	21 51 35	26°23'59	8♋23	21°16	8°42	7°35	18°59	26°32	8°27	29°22	8°40	27°58	29° 7	13°36	7°48	T 20
F 21	21 55 32	27°21'54	20°15	21°37	9°50	8°14	19° 5	26°31	8°30	29°24	8°40	27°52	29° 4	13°42	7°45	F 21
S 22	21 59 29	28°19'51	2♌11	21°53	10°58	8°52	19°11	26°30	8°32	29°26	8°40	27°47	29° 1	13°49	7°42	S 22
S 23	22 3 25	29°17'50	14°14	22° 4	12° 6	9°31	19°18	26°28	8°35	29°28	8°39	27°42	28°58	13°56	7°39	S 23
M24	22 7 22	0♍15'50	26°23	22°R 9	13°14	10°10	19°24	26°27	8°37	29°30	8°39	27°38	28°55	14° 3	7°36	M24
T 25	22 11 18	1°13'52	8♍42	22° 8	14°22	10°49	19°31	26°25	8°40	29°32	8°39	27°36	28°51	14° 9	7°33	T 25
W26	22 15 15	2°11'55	21°12	22° 2	15°29	11°28	19°38	26°23	8°42	29°34	8°38	27°34	28°48	14°16	7°30	W26
T 27	22 19 11	3°10'00	3♎53	21°49	16°37	12° 7	19°45	26°21	8°45	29°36	8°38	27°D34	28°45	14°23	7°27	T 27
F 28	22 23 8	4° 8'06	16°46	21°31	17°44	12°47	19°52	26°20	8°47	29°38	8°38	27°35	28°42	14°30	7°24	F 28
S 29	22 27 4	5° 6'14	29°53	21° 5	18°51	13°26	19°59	26°18	8°50	29°40	8°37	27°37	28°39	14°36	7°22	S 29
S 30	22 31 1	6° 4'24	13♏16	20°34	19°58	14° 5	20° 7	26°15	8°52	29°42	8°37	27°38	28°36	14°43	7°19	S 30
M31	22 34 57	7♍ 2'35	26♏54	19♍57	21♎ 5	14♎44	20♏15	26♈13	8♋54	29♍44	8♉36	27♓39	28♓32	14♋50	7♒16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n16	9s26	1s51	10n 1	0s11	6n 4	0n55	2n17	0n33	16s16	0n52	7n52	2s35	23n35	0n18	1n46	1n24	0s42	15s57	0s32	0n 3	28n 1	11s 3	7n18
S 2	18 1	15 14	2 54	9 23	0 20	5 34	0 52	2 1	0 33	16 17	0 51	7 52	2 35	23 34	0 18	1 45	1 24	0 43	15 57	0 32	0 2	28 1	11 3	7 18
M 3	17 46	20 28	3 49	8 46	0 30	5 4	0 49	1 46	0 32	16 18	0 51	7 52	2 35	23 34	0 18	1 45	1 24	0 43	15 57	0 32	0 1	28 0	11 4	7 18
T 4	17 30	24 44	4 32	8 10	0 40	4 33	0 46	1 30	0 31	16 20	0 51	7 52	2 35	23 34	0 18	1 44	1 24	0 43	15 57	0 33	0s 1	27 59	11 5	7 18
W 5	17 14	27 35	4 59	7 33	0 50	4 3	0 43	1 15	0 30	16 21	0 51	7 52	2 36	23 34	0 18	1 43	1 24	0 43	15 58	0 34	0 2	27 58	11 6	7 18
T 6	16 58	28 37	5 8	6 57	1 0	3 32	0 40	0 59	0 30	16 22	0 50	7 52	2 36	23 34	0 18	1 43	1 24	0 44	15 58	0 36	0 3	27 57	11 7	7 18
F 7	16 42	27 36	4 56	6 22	1 10	3 2	0 36	0 43	0 29	16 24	0 50	7 52	2 36	23 34	0 18	1 42	1 24	0 44	15 58	0 39	0 5	27 56	11 8	7 18
S 8	16 25	24 33	4 23	5 48	1 21	2 31	0 33	0 27	0 28	16 25	0 50	7 52	2 37	23 33	0 18	1 41	1 24	0 44	15 59	0 41	0 6	27 56	11 9	7 18
S 9	16 8	19 50	3 33	5 14	1 31	2 0	0 30	0 12	0 27	16 26	0 50	7 52	2 37	23 33	0 18	1 40	1 24	0 45	15 59	0 43	0 7	27 55	11 10	7 18
M10	15 51	13 57	2 28	4 41	1 42	1 30	0 26	0s 4	0 27	16 28	0 49	7 51	2 37	23 33	0 18	1 40	1 24	0 45	15 59	0 45	0 8	27 54	11 11	7 18
T 11	15 33	7 25	1 15	4 9	1 53	0 59	0 23	0 20	0 26	16 29	0 49	7 51	2 37	23 33	0 18	1 39	1 24	0 45	16 0	0 46	0 10	27 53	11 11	7 17
W12	15 15	0 42	0n 1	3 38	2 3	0 28	0 19	0 36	0 25	16 31	0 49	7 51	2 38	23 33	0 18	1 38	1 24	0 46	16 0	0 46	0 11	27 52	11 12	7 17
T 13	14 57	5n51	1 14	3 8	2 14	0s 3	0 15	0 52	0 24	16 32	0 49	7 50	2 38	23 33	0 18	1 38	1 24	0 46	16 0	0 46	0 12	27 51	11 13	7 17
F 14	14 39	11 56	2 22	2 39	2 25	0 34	0 11	1 8	0 24	16 34	0 49	7 50	2 38	23 33	0 18	1 37	1 24	0 46	16 1	0 46	0 13	27 51	11 14	7 17
S 15	14 21	17 19	3 20	2 12	2 35	1 5	0 8	1 23	0 23	16 36	0 48	7 49	2 38	23 32	0 18	1 36	1 24	0 46	16 1	0 45	0 15	27 50	11 15	7 17
S 16	14 2	21 50	4 7	1 46	2 46	1 36	0 4	1 39	0 22	16 38	0 48	7 49	2 39	23 32	0 18	1 35	1 24	0 47	16 1	0 45	0 16	27 49	11 16	7 17
M17	13 43	25 19	4 41	1 22	2 56	2 7	0s 0	1 55	0 22	16 39	0 48	7 48	2 39	23 32	0 18	1 34	1 24	0 47	16 1	0 45	0 17	27 48	11 17	7 16
T 18	13 24	27 37	5 3	0 59	3 6	2 37	0 4	2 11	0 21	16 41	0 48	7 48	2 39	23 32	0 18	1 34	1 24	0 47	16 2	0 46	0 18	27 47	11 18	7 16
W19	13 4	28 38	5 11	0 38	3 16	3 8	0 8	2 27	0 20	16 43	0 47	7 47	2 39	23 32	0 18	1 33	1 24	0 48	16 2	0 47	0 20	27 46	11 19	7 16
T 20	12 45	28 19	5 6	0 19	3 25	3 39	0 13	2 43	0 19	16 45	0 47	7 47	2 40	23 32	0 18	1 32	1 24	0 48	16 2	0 49	0 21	27 45	11 20	7 16
F 21	12 25	26 43	4 48	0 3	3 34	4 10	0 17	2 59	0 19	16 47	0 47	7 46	2 40	23 31	0 18	1 31	1 24	0 49	16 3	0 51	0 22	27 44	11 21	7 16
S 22	12 5	23 54	4 18	0s11	3 43	4 40	0 21	3 15	0 18	16 49	0 47	7 45	2 40	23 31	0 18	1 31	1 24	0 49	16 3	0 53	0 24	27 43	11 22	7 15
S 23	11 45	20 2	3 35	0 23	3 51	5 11	0 25	3 31	0 17	16 51	0 47	7 44	2 40	23 31	0 18	1 30	1 24	0 49	16 3	0 55	0 25	27 42	11 23	7 15
M24	11 24	15 18	2 43	0 32	3 58	5 41	0 30	3 47	0 17	16 53	0 46	7 44	2 41	23 31	0 18	1 29	1 24	0 50	16 3	0 56	0 26	27 41	11 24	7 15
T 25	11 4	9 54	1 42	0 38	4 5	6 12	0 34	4 3	0 16	16 55	0 46	7 43	2 41	23 31	0 18	1 28	1 24	0 50	16 4	0 58	0 27	27 40	11 25	7 15
W26	10 43	4 2	0 35	0 41	4 11	6 42	0 38	4 19	0 15	16 57	0 46	7 42	2 41	23 31	0 18	1 27	1 24	0 50	16 4	0 58	0 29	27 39	11 26	7 15
T 27	10 22	2s 4	0s35	0 40	4 16	7 12	0 43	4 35	0 14	16 59	0 46	7 41	2 41	23 31	0 18	1 26	1 24	0 51	16 4	0 58	0 30	27 38	11 27	7 14
F 28	10 1	8 12	1 44	0 36	4 20	7 42	0 47	4 51	0 14	17 1	0 45	7 40	2 42	23 30	0 18	1 26	1 24	0 51	16 5	0 58	0 31	27 37	11 27	7 14
S 29	9 40	14 5	2 49	0 28	4 22	8 12	0 52	5 7	0 13	17 3	0 45	7 39	2 42	23 30	0 18	1 25	1 24	0 51	16 5	0 57	0 32	27 36	11 28	7 14
S 30	9 18	19 26	3 46	0 17	4 23	8 42	0 57	5 23	0 12	17 5	0 45	7 38	2 42	23 30	0 19	1 24	1 24	0 52	16 5	0 57	0 34	27 35	11 29	7 13
M31	8n57	23s54	4s31	0s 2	4s22	9s11	1s 1	5s39	0n12	17s 7	0n45	7n37	2s42	23n30	0n19	1n23	1n24	0s52	16s 5	0s56	0s35	27n34	11s30	7n13

Julian Day Number = 2311138.5, Delta T = 70.81 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'30, Lahiri = 18°29'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

SEPTEMBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 38 54	8♍ 0'48	10♐49	19°R14	22♎12	15♎24	20♏22	26°R11	8♋57	29♍46	8°R36	27°R39	28♓29	14♋56	7°R14	T 1
W 2	22 42 51	8°59'02	25° 1	18♍25	23°19	16° 3	20°30	26♈ 9	8°59	29°48	8♉36	27♓39	28°26	15° 3	7♒11	W 2
T 3	22 46 47	9°57'17	9♑26	17°33	24°25	16°43	20°38	26° 6	9° 1	29°51	8°35	27°37	28°23	15°10	7° 8	T 3
F 4	22 50 44	10°55'34	24° 2	16°36	25°31	17°23	20°46	26° 3	9° 3	29°53	8°35	27°35	28°20	15°17	7° 6	F 4
S 5	22 54 40	11°53'53	8♒44	15°37	26°37	18° 2	20°54	26° 1	9° 5	29°55	8°34	27°33	28°16	15°23	7° 3	S 5
S 6	22 58 37	12°52'13	23°24	14°36	27°43	18°42	21° 3	25°58	9° 7	29°57	8°33	27°32	28°13	15°30	7° 1	S 6
M 7	23 2 33	13°50'35	7♓56	13°35	28°49	19°22	21°11	25°55	9° 9	29°59	8°33	27°30	28°10	15°37	6°59	M 7
T 8	23 6 30	14°48'59	22°15	12°35	29°55	20° 2	21°20	25°52	9°11	0♎ 1	8°32	27°D30	28° 7	15°43	6°56	T 8
W 9	23 10 26	15°47'24	6♈14	11°38	1♏ 0	20°42	21°28	25°49	9°13	0° 4	8°32	27°30	28° 4	15°50	6°54	W 9
T 10	23 14 23	16°45'52	19°51	10°45	2° 5	21°22	21°37	25°46	9°15	0° 6	8°31	27°30	28° 1	15°57	6°52	T 10
F 11	23 18 20	17°44'22	3♉ 5	9°57	3°10	22° 2	21°46	25°43	9°17	0° 8	8°30	27°31	27°57	16° 4	6°50	F 11
S 12	23 22 16	18°42'54	15°57	9°16	4°15	22°42	21°55	25°40	9°19	0°10	8°30	27°32	27°54	16°10	6°47	S 12
S 13	23 26 13	19°41'28	28°29	8°43	5°20	23°22	22° 4	25°36	9°20	0°12	8°29	27°33	27°51	16°17	6°45	S 13
M14	23 30 9	20°40'04	10♊44	8°18	6°24	24° 3	22°14	25°33	9°22	0°14	8°28	27°33	27°48	16°24	6°43	M14
T 15	23 34 6	21°38'43	22°47	8° 2	7°29	24°43	22°23	25°29	9°24	0°17	8°28	27°R33	27°45	16°30	6°41	T 15
W16	23 38 2	22°37'24	4♋43	7°D56	8°33	25°23	22°33	25°26	9°25	0°19	8°27	27°33	27°42	16°37	6°39	W16
T 17	23 41 59	23°36'07	16°35	8° 0	9°36	26° 4	22°42	25°22	9°27	0°21	8°26	27°33	27°38	16°44	6°38	T 17
F 18	23 45 55	24°34'52	28°29	8°13	10°40	26°45	22°52	25°19	9°28	0°23	8°25	27°33	27°35	16°51	6°36	F 18
S 19	23 49 52	25°33'39	10♌28	8°37	11°43	27°25	23° 2	25°15	9°30	0°26	8°25	27°32	27°32	16°57	6°34	S 19
S 20	23 53 49	26°32'29	22°35	9° 9	12°46	28° 6	23°12	25°11	9°31	0°28	8°24	27°32	27°29	17° 4	6°32	S 20
M21	23 57 45	27°31'21	4♍55	9°51	13°49	28°47	23°22	25° 7	9°33	0°30	8°23	27°D32	27°26	17°11	6°31	M21
T 22	0 1 42	28°30'15	17°27	10°41	14°52	29°28	23°32	25° 3	9°34	0°32	8°22	27°32	27°22	17°17	6°29	T 22
W23	0 5 38	29°29'11	0♎15	11°39	15°54	0♏ 8	23°42	24°59	9°35	0°35	8°21	27°R32	27°19	17°24	6°28	W23
T 24	0 9 35	0♎28'08	13°17	12°44	16°56	0°49	23°52	24°55	9°36	0°37	8°21	27°32	27°16	17°31	6°26	T 24
F 25	0 13 31	1°27'08	26°34	13°56	17°58	1°30	24° 3	24°51	9°37	0°39	8°20	27°32	27°13	17°38	6°25	F 25
S 26	0 17 28	2°26'10	10♏ 5	15°13	19° 0	2°12	24°13	24°46	9°39	0°41	8°19	27°31	27°10	17°44	6°23	S 26
S 27	0 21 24	3°25'14	23°48	16°36	20° 1	2°53	24°24	24°42	9°40	0°43	8°18	27°31	27° 7	17°51	6°22	S 27
M28	0 25 21	4°24'20	7♐41	18° 3	21° 2	3°34	24°34	24°38	9°41	0°46	8°17	27°30	27° 3	17°58	6°21	M28
T 29	0 29 18	5°23'27	21°43	19°33	22° 2	4°15	24°45	24°34	9°42	0°48	8°16	27°29	27° 0	18° 4	6°20	T 29
W30	0 33 14	6♎22'37	5♑52	21♍ 7	23♏ 2	4♏57	24♏56	24♈29	9♋42	0♎50	8♉15	27°D29	26♓57	18♋11	6♒19	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n35	27s 6	5s 2	0n17	4s20	9s41	1s 6	5s54	0n11	17s10	0n45	7n36	2s43	23n30	0n19	1n22	1n24	0s53	16s 6	0s56	0s36	27n33	11s31	7n13
W 2	8 13	28 38	5 15	0 40	4 16	10 10	1 10	6 10	0 10	17 12	0 44	7 35	2 43	23 30	0 19	1 21	1 24	0 53	16 6	0 56	0 37	27 32	11 32	7 13
T 3	7 51	28 17	5 9	1 6	4 10	10 39	1 15	6 26	0 10	17 14	0 44	7 34	2 43	23 30	0 19	1 21	1 24	0 53	16 6	0 57	0 39	27 31	11 33	7 12
F 4	7 29	25 59	4 42	1 35	4 2	11 8	1 20	6 42	0 9	17 17	0 44	7 33	2 43	23 30	0 19	1 20	1 24	0 54	16 7	0 58	0 40	27 30	11 34	7 12
S 5	7 7	21 56	3 58	2 7	3 52	11 36	1 25	6 58	0 8	17 19	0 44	7 32	2 44	23 29	0 19	1 19	1 24	0 54	16 7	0 58	0 41	27 29	11 35	7 12
S 6	6 45	16 32	2 57	2 41	3 40	12 5	1 29	7 14	0 8	17 21	0 44	7 31	2 44	23 29	0 19	1 18	1 24	0 55	16 7	0 59	0 43	27 28	11 36	7 11
M 7	6 22	10 15	1 46	3 17	3 27	12 33	1 34	7 29	0 7	17 24	0 43	7 29	2 44	23 29	0 19	1 17	1 24	0 55	16 7	1 0	0 44	27 27	11 37	7 11
T 8	6 0	3 32	0 29	3 54	3 12	13 0	1 39	7 45	0 6	17 26	0 43	7 28	2 44	23 29	0 19	1 16	1 24	0 56	16 8	1 0	0 45	27 26	11 38	7 11
W 9	5 37	3n13	0n48	4 31	2 55	13 28	1 44	8 1	0 5	17 29	0 43	7 27	2 44	23 29	0 19	1 15	1 24	0 56	16 8	1 0	0 46	27 25	11 39	7 10
T 10	5 14	9 38	2 1	5 8	2 37	13 55	1 48	8 17	0 5	17 31	0 43	7 25	2 45	23 29	0 19	1 15	1 24	0 56	16 8	1 0	0 48	27 24	11 39	7 10
F 11	4 51	15 27	3 4	5 43	2 18	14 22	1 53	8 32	0 4	17 34	0 43	7 24	2 45	23 29	0 19	1 14	1 24	0 57	16 8	0 59	0 49	27 23	11 40	7 9
S 12	4 28	20 26	3 57	6 17	1 59	14 49	1 58	8 48	0 3	17 36	0 42	7 23	2 45	23 29	0 19	1 13	1 24	0 57	16 9	0 59	0 50	27 22	11 41	7 9
S 13	4 5	24 22	4 37	6 48	1 39	15 15	2 3	9 3	0 3	17 39	0 42	7 21	2 45	23 29	0 19	1 12	1 24	0 58	16 9	0 59	0 51	27 21	11 42	7 9
M14	3 42	27 6	5 3	7 15	1 19	15 42	2 8	9 19	0 2	17 41	0 42	7 20	2 45	23 28	0 19	1 11	1 24	0 58	16 9	0 58	0 53	27 19	11 43	7 8
T 15	3 19	28 33	5 16	7 39	0 59	16 7	2 13	9 34	0 1	17 44	0 42	7 19	2 45	23 28	0 19	1 10	1 24	0 58	16 9	0 58	0 54	27 18	11 44	7 8
W16	2 56	28 39	5 14	7 59	0 40	16 33	2 17	9 50	0 1	17 46	0 42	7 17	2 46	23 28	0 19	1 9	1 24	0 59	16 9	0 58	0 55	27 17	11 45	7 8
T 17	2 33	27 25	5 0	8 15	0 22	16 58	2 22	10 5	0 0	17 49	0 42	7 16	2 46	23 28	0 19	1 8	1 24	0 59	16 10	0 59	0 56	27 16	11 45	7 7
F 18	2 9	24 57	4 32	8 26	0 4	17 23	2 27	10 21	0s 1	17 52	0 41	7 14	2 46	23 28	0 19	1 8	1 24	1 0	16 10	0 59	0 58	27 15	11 46	7 7
S 19	1 46	21 23	3 52	8 33	0n12	17 47	2 32	10 36	0 1	17 54	0 41	7 13	2 46	23 28	0 19	1 7	1 24	1 0	16 10	0 59	0 59	27 14	11 47	7 6
S 20	1 23	16 53	3 2	8 35	0 28	18 11	2 36	10 51	0 2	17 57	0 41	7 11	2 46	23 28	0 19	1 6	1 24	1 1	16 10	0 59	1 0	27 13	11 48	7 6
M21	0 59	11 38	2 2	8 32	0 42	18 35	2 41	11 6	0 3	18 0	0 41	7 10	2 46	23 28	0 19	1 5	1 24	1 1	16 11	0 59	1 2	27 11	11 49	7 5
T 22	0 36	5 49	0 56	8 25	0 55	18 58	2 46	11 21	0 3	18 2	0 41	7 8	2 47	23 28	0 19	1 4	1 24	1 2	16 11	0 59	1 3	27 10	11 50	7 5
W23	0 12	0s20	0s15	8 14	1 6	19 21	2 50	11 36	0 4	18 5	0 41	7 6	2 47	23 28	0 19	1 3	1 24	1 2	16 11	0 59	1 4	27 9	11 50	7 5
T 24	0s11	6 35	1 26	7 58	1 17	19 44	2 55	11 51	0 5	18 8	0 40	7 5	2 47	23 28	0 19	1 2	1 24	1 2	16 11	0 59	1 5	27 8	11 51	7 4
F 25	0 35	12 40	2 34	7 39	1 26	20 6	3 0	12 6	0 5	18 11	0 40	7 3	2 47	23 28	0 19	1 1	1 24	1 3	16 11	0 59	1 7	27 7	11 52	7 4
S 26	0 58	18 16	3 34	7 16	1 33	20 27	3 4	12 21	0 6	18 13	0 40	7 1	2 47	23 28	0 19	1 0	1 24	1 3	16 11	0 59	1 8	27 5	11 53	7 3
S 27	1 22	23 1	4 24	6 50	1 40	20 49	3 9	12 36	0 6	18 16	0 40	7 0	2 47	23 28	0 19	1 0	1 24	1 4	16 12	1 0	1 9	27 4	11 53	7 3
M28	1 45	26 32	4 58	6 21	1 45	21 9	3 13	12 51	0 7	18 19	0 40	6 58	2 47	23 27	0 19	0 59	1 24	1 4	16 12	1 0	1 10	27 3	11 54	7 2
T 29	2 9	28 28	5 15	5 49	1 49	21 30	3 18	13 5	0 8	18 22	0 40	6 56	2 47	23 27	0 19	0 58	1 24	1 5	16 12	1 0	1 12	27 2	11 55	7 2
W30	2s32	28s35	5s13	5n15	1n52	21s50	3s22	13s20	0s 8	18s24	0n39	6n55	2s48	23n27	0n19	0n57	1n24	1s 5	16s12	1s 0	1s13	27n 0	11s56	7n 1

Julian Day Number = 2311169.5, Delta T = 70.72 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'34, Lahiri = 18°29'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

OCTOBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 37 11	7♎21'48	20♉ 6	22♍44	24♏ 2	5♏38	25♏ 7	24°R25	9♋43	0♎52	8°R14	27♓29	26♓54	18♋18	6°R18	T 1
F 2	0 41 7	8°21'01	4♒21	24°23	25° 1	6°20	25°18	24♈20	9°44	0°55	8♉13	27°30	26°51	18°25	6♒17	F 2
S 3	0 45 4	9°20'15	18°37	26° 4	26° 1	7° 1	25°29	24°16	9°45	0°57	8°12	27°31	26°48	18°31	6°16	S 3
S 4	0 49 0	10°19'31	2♓49	27°45	26°59	7°43	25°40	24°11	9°46	0°59	8°11	27°32	26°44	18°38	6°15	S 4
M 5	0 52 57	11°18'49	16°53	29°28	27°57	8°24	25°52	24° 6	9°46	1° 1	8°10	27°33	26°41	18°45	6°14	M 5
T 6	0 56 53	12°18'09	0♈48	1♎12	28°55	9° 6	26° 3	24° 2	9°47	1° 3	8° 9	27°R33	26°38	18°51	6°14	T 6
W 7	1 0 50	13°17'31	14°29	2°56	29°53	9°48	26°14	23°57	9°47	1° 6	8° 8	27°32	26°35	18°58	6°13	W 7
T 8	1 4 47	14°16'55	27°53	4°41	0♐49	10°30	26°26	23°52	9°48	1° 8	8° 7	27°31	26°32	19° 5	6°12	T 8
F 9	1 8 43	15°16'22	11♉ 0	6°25	1°46	11°12	26°37	23°48	9°48	1°10	8° 6	27°29	26°28	19°12	6°12	F 9
S 10	1 12 40	16°15'50	23°49	8°10	2°42	11°54	26°49	23°43	9°48	1°12	8° 5	27°26	26°25	19°18	6°11	S 10
S 11	1 16 36	17°15'21	6♊20	9°54	3°37	12°36	27° 1	23°38	9°49	1°14	8° 4	27°23	26°22	19°25	6°11	S 11
M12	1 20 33	18°14'54	18°36	11°38	4°32	13°18	27°13	23°34	9°49	1°17	8° 3	27°20	26°19	19°32	6°11	M12
T 13	1 24 29	19°14'29	0♋40	13°22	5°27	14° 0	27°24	23°29	9°49	1°19	8° 2	27°18	26°16	19°38	6°11	T 13
W14	1 28 26	20°14'07	12°36	15° 5	6°20	14°42	27°36	23°24	9°49	1°21	8° 1	27°16	26°13	19°45	6°10	W14
T 15	1 32 22	21°13'47	24°28	16°48	7°13	15°25	27°48	23°19	9°49	1°23	8° 0	27°D16	26° 9	19°52	6°10	T 15
F 16	1 36 19	22°13'29	6♌21	18°30	8° 6	16° 7	28° 0	23°14	9°R50	1°25	7°59	27°17	26° 6	19°59	6°D10	F 16
S 17	1 40 16	23°13'13	18°20	20°12	8°58	16°50	28°12	23°10	9°50	1°27	7°58	27°19	26° 3	20° 5	6°10	S 17
S 18	1 44 12	24°13'00	0♍30	21°53	9°49	17°32	28°25	23° 5	9°49	1°29	7°57	27°20	26° 0	20°12	6°11	S 18
M19	1 48 9	25°12'48	12°54	23°34	10°40	18°15	28°37	23° 0	9°49	1°31	7°56	27°22	25°57	20°19	6°11	M19
T 20	1 52 5	26°12'39	25°37	25°14	11°30	18°57	28°49	22°55	9°49	1°33	7°55	27°R23	25°53	20°25	6°11	T 20
W21	1 56 2	27°12'32	8♎40	26°54	12°19	19°40	29° 2	22°50	9°49	1°36	7°54	27°22	25°50	20°32	6°11	W21
T 22	1 59 58	28°12'27	22° 3	28°33	13° 7	20°23	29°14	22°46	9°49	1°38	7°52	27°20	25°47	20°39	6°12	T 22
F 23	2 3 55	29°12'24	5♏45	0♏12	13°55	21° 6	29°26	22°41	9°48	1°40	7°51	27°16	25°44	20°46	6°12	F 23
S 24	2 7 51	0♏12'23	19°44	1°50	14°42	21°48	29°39	22°36	9°48	1°42	7°50	27°12	25°41	20°52	6°13	S 24
S 25	2 11 48	1°12'24	3♐56	3°28	15°27	22°31	29°52	22°31	9°47	1°44	7°49	27° 6	25°38	20°59	6°13	S 25
M26	2 15 45	2°12'27	18°14	5° 5	16°12	23°14	0♑ 4	22°27	9°47	1°46	7°48	27° 1	25°34	21° 6	6°14	M26
T 27	2 19 41	3°12'31	2♑35	6°42	16°56	23°58	0°17	22°22	9°46	1°48	7°47	26°57	25°31	21°12	6°15	T 27
W28	2 23 38	4°12'37	16°54	8°18	17°39	24°41	0°30	22°17	9°46	1°50	7°46	26°54	25°28	21°19	6°16	W28
T 29	2 27 34	5°12'45	1♒ 8	9°53	18°21	25°24	0°42	22°13	9°45	1°52	7°45	26°D52	25°25	21°26	6°17	T 29
F 30	2 31 31	6°12'54	15°14	11°29	19° 2	26° 7	0°55	22° 8	9°44	1°53	7°44	26°53	25°22	21°32	6°17	F 30
S 31	2 35 27	7♏13'05	29♒11	13♏ 4	19♑42	26♏51	1♑ 8	22♈ 3	9♋44	1♎55	7♉42	26♓54	25♓19	21♋39	6♒18	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2s56	26s48	4s52	4n39	1n55	22s 9	3s26	13s34	0s 9	18s27	0n39	6n53	2s48	23n27	0n19	0n56	1n24	1s 5	16s12	1s 0	1s14	26n59	11s56	7n 1
F 2	3 19	23 19	4 13	4 0	1 56	22 28	3 30	13 49	0 10	18 30	0 39	6 51	2 48	23 27	0 19	0 55	1 24	1 6	16 12	1 0	1 15	26 58	11 57	7 1
S 3	3 43	18 26	3 19	3 21	1 56	22 46	3 35	14 3	0 10	18 33	0 39	6 50	2 48	23 27	0 19	0 54	1 24	1 6	16 13	0 59	1 17	26 57	11 58	7 0
S 4	4 6	12 33	2 13	2 40	1 56	23 4	3 39	14 17	0 11	18 36	0 39	6 48	2 48	23 27	0 19	0 53	1 24	1 7	16 13	0 59	1 18	26 55	11 58	7 0
M 5	4 29	6 5	0 59	1 58	1 55	23 22	3 43	14 31	0 12	18 38	0 39	6 46	2 48	23 27	0 19	0 53	1 24	1 7	16 13	0 59	1 19	26 54	11 59	6 59
T 6	4 52	0n36	0n18	1 15	1 53	23 39	3 47	14 45	0 12	18 41	0 38	6 44	2 48	23 27	0 19	0 52	1 24	1 8	16 13	0 59	1 20	26 53	11 59	6 59
W 7	5 16	7 8	1 32	0 31	1 50	23 55	3 50	14 59	0 13	18 44	0 38	6 43	2 48	23 27	0 19	0 51	1 24	1 8	16 13	0 59	1 22	26 51	12 0	6 58
T 8	5 39	13 14	2 40	0s13	1 47	24 11	3 54	15 13	0 13	18 47	0 38	6 41	2 48	23 27	0 19	0 50	1 24	1 8	16 13	0 59	1 23	26 50	12 1	6 58
F 9	6 2	18 36	3 37	0 58	1 44	24 26	3 58	15 27	0 14	18 50	0 38	6 39	2 48	23 27	0 20	0 49	1 24	1 9	16 13	1 0	1 24	26 49	12 1	6 57
S 10	6 25	23 0	4 22	1 43	1 40	24 41	4 1	15 40	0 15	18 52	0 38	6 37	2 48	23 27	0 20	0 48	1 24	1 9	16 13	1 1	1 26	26 47	12 2	6 57
S 11	6 47	26 14	4 54	2 28	1 36	24 56	4 5	15 54	0 15	18 55	0 38	6 35	2 48	23 27	0 20	0 47	1 24	1 10	16 14	1 3	1 27	26 46	12 2	6 56
M12	7 10	28 10	5 11	3 13	1 31	25 10	4 8	16 7	0 16	18 58	0 38	6 34	2 48	23 27	0 20	0 47	1 24	1 10	16 14	1 4	1 28	26 45	12 3	6 56
T 13	7 33	28 43	5 14	3 58	1 26	25 23	4 12	16 20	0 17	19 1	0 37	6 32	2 48	23 27	0 20	0 46	1 24	1 10	16 14	1 5	1 29	26 43	12 3	6 55
W14	7 55	27 56	5 3	4 43	1 21	25 36	4 15	16 34	0 17	19 4	0 37	6 30	2 48	23 27	0 20	0 45	1 24	1 11	16 14	1 5	1 31	26 42	12 4	6 55
T 15	8 18	25 52	4 40	5 27	1 15	25 48	4 18	16 47	0 18	19 7	0 37	6 28	2 48	23 27	0 20	0 44	1 24	1 11	16 14	1 5	1 32	26 41	12 5	6 54
F 16	8 40	22 40	4 4	6 12	1 10	25 59	4 21	16 59	0 18	19 9	0 37	6 27	2 48	23 27	0 20	0 43	1 24	1 12	16 14	1 5	1 33	26 39	12 5	6 54
S 17	9 3	18 30	3 18	6 56	1 4	26 11	4 23	17 12	0 19	19 12	0 37	6 25	2 48	23 27	0 20	0 42	1 24	1 12	16 14	1 4	1 34	26 38	12 5	6 53
S 18	9 25	13 32	2 22	7 39	0 58	26 21	4 26	17 25	0 20	19 15	0 37	6 23	2 48	23 27	0 20	0 42	1 24	1 12	16 14	1 4	1 36	26 37	12 6	6 53
M19	9 47	7 56	1 19	8 22	0 51	26 31	4 28	17 37	0 20	19 18	0 37	6 21	2 48	23 27	0 20	0 41	1 24	1 13	16 14	1 3	1 37	26 35	12 6	6 52
T 20	10 8	1 54	0 10	9 5	0 45	26 41	4 31	17 50	0 21	19 21	0 36	6 20	2 48	23 27	0 20	0 40	1 24	1 13	16 14	1 3	1 38	26 34	12 7	6 52
W21	10 30	4s23	1s 1	9 47	0 39	26 50	4 33	18 2	0 21	19 24	0 36	6 18	2 48	23 27	0 20	0 39	1 24	1 14	16 14	1 3	1 39	26 32	12 7	6 51
T 22	10 52	10 37	2 11	10 29	0 32	26 58	4 35	18 14	0 22	19 26	0 36	6 16	2 48	23 28	0 20	0 38	1 24	1 14	16 14	1 4	1 41	26 31	12 8	6 51
F 23	11 13	16 31	3 14	11 10	0 26	27 6	4 37	18 26	0 23	19 29	0 36	6 14	2 48	23 28	0 20	0 38	1 24	1 14	16 14	1 5	1 42	26 30	12 8	6 50
S 24	11 34	21 40	4 7	11 51	0 19	27 13	4 38	18 38	0 23	19 32	0 36	6 13	2 48	23 28	0 20	0 37	1 24	1 15	16 14	1 7	1 43	26 28	12 8	6 50
S 25	11 55	25 39	4 46	12 30	0 12	27 20	4 40	18 50	0 24	19 35	0 36	6 11	2 48	23 28	0 20	0 36	1 24	1 15	16 14	1 9	1 45	26 27	12 9	6 49
M26	12 16	28 4	5 7	13 10	0 5	27 26	4 41	19 1	0 24	19 38	0 36	6 9	2 48	23 28	0 20	0 35	1 24	1 15	16 14	1 11	1 46	26 25	12 9	6 49
T 27	12 37	28 37	5 9	13 48	0s 1	27 31	4 42	19 12	0 25	19 40	0 36	6 8	2 48	23 28	0 20	0 35	1 24	1 16	16 14	1 13	1 47	26 24	12 9	6 48
W28	12 57	27 15	4 52	14 26	0 8	27 36	4 43	19 24	0 26	19 43	0 35	6 6	2 48	23 28	0 20	0 34	1 24	1 16	16 14	1 14	1 48	26 22	12 10	6 48
T 29	13 17	24 8	4 17	15 3	0 15	27 41	4 43	19 35	0 26	19 46	0 35	6 4	2 48	23 28	0 20	0 33	1 25	1 16	16 14	1 15	1 50	26 21	12 10	6 47
F 30	13 37	19 36	3 27	15 39	0 21	27 45	4 44	19 46	0 27	19 49	0 35	6 3	2 48	23 28	0 20	0 32	1 25	1 17	16 14	1 15	1 51	26 19	12 10	6 47
S 31	13s57	14s 3	2s25	16s14	0s28	27s48	4s44	19s56	0s27	19s52	0n35	6n 1	2s47	23n28	0n20	0n32	1n25	1s17	16s14	1s14	1s52	26n18	12s10	6n46

Julian Day Number = 2311199.5, Delta T = 70.64 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'38, Lahiri = 18°29'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

NOVEMBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 39 24	8♏13'16	12♓59	14♏38	20♐20	27♏34	1♐21	21°R59	9°R43	1♎57	7°R41	26♓55	25♓15	21♋46	6♒20	S 1
M 2	2 43 20	9°13'30	26°36	16°12	20°58	28°17	1°34	21♈54	9♋42	1°59	7♉40	26°R56	25°12	21°53	6°21	M 2
T 3	2 47 17	10°13'45	10♈ 4	17°46	21°34	29° 1	1°47	21°50	9°41	2° 1	7°39	26°55	25° 9	21°59	6°22	T 3
W 4	2 51 14	11°14'02	23°20	19°19	22° 8	29°44	2° 0	21°46	9°40	2° 3	7°38	26°52	25° 6	22° 6	6°23	W 4
T 5	2 55 10	12°14'20	6♉25	20°52	22°42	0♐28	2°13	21°41	9°39	2° 5	7°37	26°47	25° 3	22°13	6°25	T 5
F 6	2 59 7	13°14'40	19°16	22°25	23°14	1°12	2°26	21°37	9°38	2° 6	7°36	26°40	24°59	22°19	6°26	F 6
S 7	3 3 3	14°15'02	1♊55	23°57	23°44	1°55	2°39	21°33	9°37	2° 8	7°35	26°31	24°56	22°26	6°27	S 7
S 8	3 7 0	15°15'25	14°20	25°30	24°13	2°39	2°52	21°28	9°36	2°10	7°33	26°22	24°53	22°33	6°29	S 8
M 9	3 10 56	16°15'51	26°32	27° 1	24°40	3°23	3° 5	21°24	9°35	2°12	7°32	26°13	24°50	22°40	6°31	M 9
T 10	3 14 53	17°16'18	8♋34	28°33	25° 5	4° 7	3°19	21°20	9°33	2°13	7°31	26° 5	24°47	22°46	6°32	T 10
W11	3 18 49	18°16'47	20°29	0♐ 4	25°29	4°51	3°32	21°16	9°32	2°15	7°30	25°58	24°44	22°53	6°34	W11
T 12	3 22 46	19°17'18	2♌19	1°35	25°51	5°35	3°45	21°12	9°31	2°17	7°29	25°54	24°40	23° 0	6°36	T 12
F 13	3 26 43	20°17'51	14°11	3° 6	26°11	6°19	3°58	21° 8	9°29	2°18	7°28	25°53	24°37	23° 6	6°38	F 13
S 14	3 30 39	21°18'25	26° 7	4°36	26°29	7° 3	4°12	21° 5	9°28	2°20	7°27	25°D52	24°34	23°13	6°40	S 14
S 15	3 34 36	22°19'01	8♍15	6° 6	26°45	7°47	4°25	21° 1	9°26	2°22	7°26	25°53	24°31	23°20	6°42	S 15
M16	3 38 32	23°19'39	20°38	7°36	26°59	8°32	4°38	20°57	9°25	2°23	7°25	25°R54	24°28	23°26	6°44	M16
T 17	3 42 29	24°20'19	3♎23	9° 5	27°11	9°16	4°52	20°53	9°23	2°25	7°24	25°54	24°25	23°33	6°46	T 17
W18	3 46 25	25°21'00	16°31	10°34	27°21	10° 0	5° 5	20°50	9°22	2°26	7°22	25°52	24°21	23°40	6°48	W18
T 19	3 50 22	26°21'43	0♏ 6	12° 3	27°29	10°45	5°19	20°46	9°20	2°28	7°21	25°47	24°18	23°47	6°50	T 19
F 20	3 54 18	27°22'27	14° 7	13°31	27°34	11°29	5°32	20°43	9°18	2°29	7°20	25°40	24°15	23°53	6°53	F 20
S 21	3 58 15	28°23'13	28°30	14°58	27°37	12°14	5°46	20°40	9°16	2°31	7°19	25°31	24°12	24° 0	6°55	S 21
S 22	4 2 12	29°24'00	13♐ 9	16°25	27°R38	12°58	5°59	20°37	9°15	2°32	7°18	25°21	24° 9	24° 7	6°57	S 22
M23	4 6 8	0♐24'49	27°57	17°52	27°36	13°43	6°13	20°33	9°13	2°34	7°17	25°10	24° 5	24°13	7° 0	M23
T 24	4 10 5	1°25'39	12♑45	19°17	27°32	14°28	6°26	20°30	9°11	2°35	7°16	25° 1	24° 2	24°20	7° 2	T 24
W25	4 14 1	2°26'29	27°25	20°42	27°25	15°13	6°40	20°28	9° 9	2°36	7°15	24°54	23°59	24°27	7° 5	W25
T 26	4 17 58	3°27'21	11♒52	22° 6	27°16	15°57	6°53	20°25	9° 7	2°38	7°14	24°50	23°56	24°34	7° 8	T 26
F 27	4 21 54	4°28'13	26° 2	23°28	27° 4	16°42	7° 7	20°22	9° 5	2°39	7°13	24°48	23°53	24°40	7°10	F 27
S 28	4 25 51	5°29'06	9♓54	24°50	26°50	17°27	7°20	20°19	9° 3	2°40	7°12	24°D48	23°50	24°47	7°13	S 28
S 29	4 29 47	6°30'00	23°30	26° 9	26°33	18°12	7°34	20°17	9° 1	2°41	7°11	24°R48	23°46	24°54	7°16	S 29
M30	4 33 44	7♐30'54	6♈50	27♐27	26♐14	18♐57	7♐47	20♈14	8♋59	2♎42	7♉10	24♓48	23♓43	25♋ 0	7♒19	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s17	7s51	1s15	16s49	0s35	27s51	4s44	20s 7	0s28	19s54	0n35	6n 0	2s47	23n28	0n20	0n31	1n25	1s17	16s14	1s14	1s53	26n16	12s11	6n46
M 2	14 36	1 23	0 2	17 23	0 41	27 54	4 43	20 17	0 28	19 57	0 35	5 58	2 47	23 28	0 20	0 30	1 25	1 18	16 14	1 13	1 55	26 15	12 11	6 45
T 3	14 55	5n 4	1n10	17 55	0 47	27 55	4 43	20 27	0 29	20 0	0 35	5 56	2 47	23 28	0 20	0 29	1 25	1 18	16 14	1 14	1 56	26 13	12 11	6 45
W 4	15 14	11 13	2 18	18 28	0 54	27 57	4 42	20 37	0 30	20 2	0 35	5 55	2 47	23 28	0 20	0 29	1 25	1 18	16 14	1 15	1 57	26 12	12 11	6 44
T 5	15 33	16 47	3 17	18 59	1 0	27 57	4 40	20 47	0 30	20 5	0 35	5 53	2 47	23 29	0 20	0 28	1 25	1 19	16 14	1 17	1 58	26 10	12 11	6 44
F 6	15 51	21 30	4 4	19 29	1 6	27 58	4 39	20 57	0 31	20 8	0 34	5 52	2 47	23 29	0 20	0 27	1 25	1 19	16 14	1 20	2 0	26 9	12 11	6 43
S 7	16 9	25 8	4 39	19 58	1 12	27 57	4 37	21 6	0 31	20 10	0 34	5 50	2 47	23 29	0 20	0 27	1 25	1 19	16 14	1 23	2 1	26 7	12 11	6 43
S 8	16 27	27 32	5 0	20 26	1 18	27 56	4 35	21 15	0 32	20 13	0 34	5 49	2 47	23 29	0 20	0 26	1 25	1 19	16 14	1 27	2 2	26 6	12 12	6 42
M 9	16 44	28 33	5 6	20 54	1 24	27 55	4 32	21 24	0 32	20 16	0 34	5 48	2 46	23 29	0 20	0 25	1 25	1 20	16 14	1 31	2 3	26 4	12 12	6 42
T 10	17 2	28 11	4 59	21 20	1 29	27 53	4 29	21 33	0 33	20 18	0 34	5 46	2 46	23 29	0 20	0 25	1 25	1 20	16 14	1 34	2 5	26 3	12 12	6 41
W11	17 19	26 31	4 39	21 45	1 35	27 51	4 26	21 42	0 33	20 21	0 34	5 45	2 46	23 29	0 20	0 24	1 25	1 20	16 14	1 36	2 6	26 1	12 12	6 41
T 12	17 35	23 42	4 7	22 9	1 40	27 48	4 22	21 50	0 34	20 24	0 34	5 44	2 46	23 29	0 20	0 23	1 25	1 21	16 14	1 38	2 7	26 0	12 12	6 41
F 13	17 52	19 52	3 24	22 32	1 45	27 44	4 18	21 59	0 35	20 26	0 34	5 42	2 46	23 29	0 20	0 23	1 25	1 21	16 14	1 39	2 8	25 58	12 12	6 40
S 14	18 8	15 14	2 33	22 54	1 50	27 41	4 14	22 7	0 35	20 29	0 34	5 41	2 46	23 30	0 20	0 22	1 25	1 21	16 14	1 39	2 10	25 56	12 12	6 40
S 15	18 23	9 56	1 33	23 15	1 54	27 36	4 9	22 15	0 36	20 31	0 34	5 40	2 45	23 30	0 20	0 22	1 25	1 21	16 13	1 38	2 11	25 55	12 12	6 39
M16	18 39	4 9	0 28	23 34	1 59	27 31	4 4	22 22	0 36	20 34	0 33	5 39	2 45	23 30	0 20	0 21	1 25	1 21	16 13	1 38	2 12	25 53	12 12	6 39
T 17	18 54	1s57	0s40	23 53	2 3	27 25	3 58	22 30	0 37	20 36	0 33	5 37	2 45	23 30	0 21	0 20	1 25	1 22	16 13	1 38	2 14	25 52	12 12	6 38
W18	19 9	8 10	1 48	24 10	2 6	27 19	3 52	22 37	0 37	20 39	0 33	5 36	2 45	23 30	0 21	0 20	1 25	1 22	16 13	1 39	2 15	25 50	12 11	6 38
T 19	19 23	14 13	2 52	24 26	2 10	27 13	3 45	22 44	0 38	20 41	0 33	5 35	2 45	23 30	0 21	0 19	1 25	1 22	16 13	1 41	2 16	25 48	12 11	6 37
F 20	19 37	19 43	3 47	24 40	2 13	27 6	3 37	22 50	0 38	20 44	0 33	5 34	2 44	23 30	0 21	0 19	1 25	1 22	16 13	1 43	2 17	25 47	12 11	6 37
S 21	19 51	24 15	4 30	24 54	2 16	26 58	3 30	22 57	0 39	20 46	0 33	5 33	2 44	23 31	0 21	0 18	1 25	1 22	16 13	1 47	2 19	25 45	12 11	6 36
S 22	20 4	27 19	4 56	25 6	2 18	26 50	3 21	23 3	0 39	20 49	0 33	5 32	2 44	23 31	0 21	0 18	1 25	1 23	16 13	1 51	2 20	25 44	12 11	6 36
M23	20 17	28 31	5 2	25 16	2 21	26 41	3 13	23 9	0 40	20 51	0 33	5 31	2 44	23 31	0 21	0 17	1 26	1 23	16 12	1 55	2 21	25 42	12 11	6 36
T 24	20 29	27 40	4 48	25 25	2 22	26 31	3 3	23 15	0 40	20 54	0 33	5 30	2 44	23 31	0 21	0 17	1 26	1 23	16 12	1 59	2 22	25 40	12 10	6 35
W25	20 42	24 54	4 16	25 33	2 24	26 21	2 53	23 21	0 41	20 56	0 33	5 29	2 43	23 31	0 21	0 16	1 26	1 23	16 12	2 2	2 24	25 39	12 10	6 35
T 26	20 53	20 35	3 27	25 39	2 24	26 11	2 43	23 26	0 41	20 58	0 32	5 28	2 43	23 31	0 21	0 16	1 26	1 23	16 12	2 3	2 25	25 37	12 10	6 34
F 27	21 5	15 10	2 26	25 44	2 25	25 59	2 32	23 31	0 42	21 1	0 32	5 28	2 43	23 31	0 21	0 15	1 26	1 23	16 12	2 4	2 26	25 35	12 10	6 34
S 28	21 16	9 5	1 18	25 48	2 24	25 48	2 20	23 36	0 42	21 3	0 32	5 27	2 43	23 32	0 21	0 15	1 26	1 24	16 12	2 4	2 27	25 34	12 9	6 33
S 29	21 27	2 42	0 7	25 49	2 23	25 35	2 8	23 41	0 43	21 5	0 32	5 26	2 42	23 32	0 21	0 14	1 26	1 24	16 11	2 4	2 29	25 32	12 9	6 33
M30	21s37	3n41	1n 3	25s50	2s22	25s22	1s56	23s45	0s43	21s 8	0n32	5n25	2s42	23n32	0n21	0n14	1n26	1s24	16s11	2s 4	2s30	25n30	12s 9	6n33

Julian Day Number = 2311230.5, Delta T = 70.55 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'43, Lahiri = 18°29'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1615
geocentric

DECEMBER 1615 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 37 41	8♐31'50	19♈56	28♐43	25°R53	19♐42	8♐ 1	20°R12	8°R57	2♎44	7°R 9	24°R45	23♓40	25♋ 7	7♒22	T 1
W 2	4 41 37	9°32'46	2♉50	29°57	25♐29	20°27	8°14	20♈ 9	8♋55	2°45	7♉ 8	24♓40	23°37	25°14	7°25	W 2
T 3	4 45 34	10°33'43	15°33	1♊ 7	25° 4	21°13	8°28	20° 7	8°53	2°46	7° 7	24°32	23°34	25°20	7°28	T 3
F 4	4 49 30	11°34'41	28° 7	2°15	24°36	21°58	8°42	20° 5	8°50	2°47	7° 7	24°21	23°31	25°27	7°31	F 4
S 5	4 53 27	12°35'40	10♊31	3°19	24° 7	22°43	8°55	20° 3	8°48	2°48	7° 6	24° 7	23°27	25°34	7°34	S 5
S 6	4 57 23	13°36'39	22°45	4°19	23°36	23°28	9° 9	20° 1	8°46	2°49	7° 5	23°53	23°24	25°41	7°37	S 6
M 7	5 1 20	14°37'40	4♋51	5°13	23° 3	24°14	9°22	20° 0	8°44	2°50	7° 4	23°38	23°21	25°47	7°40	M 7
T 8	5 5 16	15°38'41	16°49	6° 3	22°29	24°59	9°36	19°58	8°41	2°51	7° 3	23°26	23°18	25°54	7°43	T 8
W 9	5 9 13	16°39'44	28°41	6°46	21°54	25°45	9°49	19°56	8°39	2°52	7° 2	23°15	23°15	26° 1	7°47	W 9
T 10	5 13 10	17°40'47	10♌30	7°22	21°19	26°30	10° 3	19°55	8°37	2°53	7° 1	23° 7	23°11	26° 7	7°50	T 10
F 11	5 17 6	18°41'51	22°19	7°50	20°42	27°16	10°16	19°54	8°34	2°54	7° 1	23° 2	23° 8	26°14	7°54	F 11
S 12	5 21 3	19°42'56	4♍13	8° 9	20° 6	28° 1	10°30	19°52	8°32	2°54	7° 0	23° 0	23° 5	26°21	7°57	S 12
S 13	5 24 59	20°44'01	16°17	8°R18	19°29	28°47	10°43	19°51	8°29	2°55	6°59	22°59	23° 2	26°27	8° 1	S 13
M14	5 28 56	21°45'08	28°36	8°16	18°53	29°33	10°57	19°50	8°27	2°56	6°58	22°59	22°59	26°34	8° 4	M14
T 15	5 32 52	22°46'15	11♎16	8° 4	18°17	0♏18	11°10	19°49	8°25	2°57	6°58	22°58	22°56	26°41	8° 8	T 15
W16	5 36 49	23°47'23	24°21	7°40	17°42	1° 4	11°24	19°48	8°22	2°57	6°57	22°56	22°52	26°48	8°11	W16
T 17	5 40 46	24°48'32	7♏54	7° 4	17° 8	1°50	11°37	19°48	8°20	2°58	6°56	22°51	22°49	26°54	8°15	T 17
F 18	5 44 42	25°49'42	21°58	6°17	16°35	2°36	11°50	19°47	8°17	2°59	6°55	22°43	22°46	27° 1	8°19	F 18
S 19	5 48 39	26°50'52	6♐31	5°19	16° 3	3°22	12° 4	19°47	8°15	2°59	6°55	22°33	22°43	27° 8	8°22	S 19
S 20	5 52 35	27°52'03	21°25	4°12	15°33	4° 8	12°17	19°46	8°12	3° 0	6°54	22°21	22°40	27°14	8°26	S 20
M21	5 56 32	28°53'14	6♑34	2°57	15° 5	4°54	12°30	19°46	8° 9	3° 0	6°53	22° 9	22°37	27°21	8°30	M21
T 22	6 0 28	29°54'26	21°45	1°38	14°39	5°40	12°44	19°46	8° 7	3° 1	6°53	21°58	22°33	27°28	8°34	T 22
W23	6 4 25	0♑55'37	6♒49	0°16	14°15	6°26	12°57	19°D46	8° 4	3° 1	6°52	21°50	22°30	27°35	8°38	W23
T 24	6 8 21	1°56'49	21°37	28♐54	13°53	7°12	13°10	19°46	8° 2	3° 2	6°52	21°44	22°27	27°41	8°42	T 24
F 25	6 12 18	2°58'00	6♓ 3	27°36	13°33	7°58	13°23	19°46	7°59	3° 2	6°51	21°42	22°24	27°48	8°46	F 25
S 26	6 16 15	3°59'11	20° 4	26°22	13°15	8°45	13°37	19°46	7°57	3° 2	6°50	21°D41	22°21	27°55	8°50	S 26
S 27	6 20 11	5° 0'22	3♈42	25°16	13° 0	9°31	13°50	19°47	7°54	3° 3	6°50	21°R41	22°17	28° 1	8°54	S 27
M28	6 24 8	6° 1'33	16°57	24°19	12°47	10°17	14° 3	19°47	7°51	3° 3	6°49	21°41	22°14	28° 8	8°58	M28
T 29	6 28 4	7° 2'43	29°54	23°31	12°37	11° 4	14°16	19°48	7°49	3° 3	6°49	21°38	22°11	28°15	9° 2	T 29
W30	6 32 1	8° 3'53	12♉35	22°54	12°29	11°50	14°29	19°49	7°46	3° 3	6°48	21°34	22° 8	28°21	9° 6	W30
T 31	6 35 57	9♑ 5'03	25♉ 3	22♐27	12♐24	12♑36	14♐42	19♈49	7♋44	3♎ 4	6♉48	21♓26	22♓ 5	28♋28	9♒10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s46	9n48	2n 9	25 s49	2 s20	25 s 8	1 s43	23 s49	0 s44	21 s10	0n32	5n25	2 s42	23n32	0n21	0n14	1n26	1 s24	16 s11	2 s 5	2 s31	25n28	12 s 9	6n32
W 2	21 56	15 24	3 7	25 46	2 17	24 54	1 29	23 53	0 44	21 12	0 32	5 24	2 42	23 32	0 21	0 13	1 26	1 24	16 11	2 7	2 32	25 27	12 8	6 32
T 3	22 5	20 16	3 54	25 42	2 13	24 39	1 15	23 56	0 45	21 14	0 32	5 23	2 41	23 32	0 21	0 13	1 26	1 24	16 11	2 11	2 34	25 25	12 8	6 31
F 4	22 13	24 9	4 29	25 37	2 8	24 24	1 1	24 0	0 45	21 17	0 32	5 23	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 15	2 35	25 23	12 7	6 31
S 5	22 21	26 53	4 51	25 30	2 3	24 8	0 47	24 3	0 46	21 19	0 32	5 22	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 20	2 36	25 22	12 7	6 31
S 6	22 29	28 17	5 0	25 21	1 56	23 52	0 32	24 6	0 46	21 21	0 32	5 22	2 41	23 33	0 21	0 12	1 26	1 24	16 10	2 26	2 37	25 20	12 7	6 30
M 7	22 36	28 18	4 54	25 12	1 49	23 35	0 16	24 8	0 46	21 23	0 32	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 10	2 32	2 39	25 18	12 6	6 30
T 8	22 43	26 59	4 36	25 1	1 40	23 18	0 1	24 11	0 47	21 25	0 32	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 9	2 37	2 40	25 16	12 6	6 30
W 9	22 49	24 28	4 5	24 49	1 30	23 0	0n15	24 13	0 47	21 27	0 31	5 21	2 40	23 33	0 21	0 11	1 26	1 24	16 9	2 41	2 41	25 15	12 5	6 29
T 10	22 55	20 55	3 24	24 36	1 19	22 42	0 30	24 14	0 48	21 29	0 31	5 20	2 40	23 34	0 21	0 10	1 26	1 24	16 9	2 44	2 43	25 13	12 5	6 29
F 11	23 1	16 32	2 34	24 22	1 7	22 24	0 46	24 16	0 48	21 31	0 31	5 20	2 39	23 34	0 21	0 10	1 26	1 24	16 9	2 46	2 44	25 11	12 4	6 29
S 12	23 6	11 30	1 38	24 7	0 53	22 6	1 1	24 17	0 49	21 33	0 31	5 20	2 39	23 34	0 21	0 10	1 26	1 24	16 9	2 47	2 45	25 9	12 4	6 28
S 13	23 10	5 58	0 35	23 52	0 38	21 48	1 17	24 18	0 49	21 35	0 31	5 20	2 39	23 34	0 21	0 10	1 27	1 24	16 8	2 47	2 46	25 7	12 3	6 28
M14	23 14	0 6	0 s30	23 35	0 22	21 30	1 32	24 19	0 50	21 37	0 31	5 20	2 38	23 34	0 21	0 9	1 27	1 24	16 8	2 47	2 48	25 6	12 3	6 28
T 15	23 18	5 s55	1 35	23 19	0 4	21 12	1 47	24 19	0 50	21 39	0 31	5 20	2 38	23 34	0 21	0 9	1 27	1 24	16 8	2 48	2 49	25 4	12 2	6 27
W16	23 21	11 54	2 38	23 2	0n14	20 54	2 2	24 20	0 50	21 41	0 31	5 20	2 38	23 35	0 21	0 9	1 27	1 24	16 8	2 49	2 50	25 2	12 1	6 27
T 17	23 23	17 32	3 33	22 44	0 34	20 36	2 16	24 19	0 51	21 43	0 31	5 19	2 38	23 35	0 21	0 9	1 27	1 24	16 7	2 51	2 51	25 0	12 1	6 27
F 18	23 26	22 28	4 19	22 27	0 54	20 19	2 30	24 19	0 51	21 45	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 7	2 54	2 53	24 58	12 0	6 26
S 19	23 27	26 11	4 49	22 10	1 13	20 2	2 44	24 18	0 52	21 47	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 7	2 58	2 54	24 57	12 0	6 26
S 20	23 28	28 12	5 0	21 52	1 33	19 46	2 57	24 18	0 52	21 48	0 31	5 20	2 37	23 35	0 21	0 8	1 27	1 24	16 6	3 3	2 55	24 55	11 59	6 26
M21	23 29	28 10	4 51	21 36	1 52	19 31	3 10	24 16	0 52	21 50	0 31	5 20	2 36	23 35	0 21	0 8	1 27	1 24	16 6	3 7	2 56	24 53	11 58	6 25
T 22	23 29	26 1	4 21	21 19	2 10	19 16	3 22	24 15	0 53	21 52	0 31	5 20	2 36	23 36	0 21	0 8	1 27	1 24	16 6	3 12	2 58	24 51	11 58	6 25
W23	23 29	22 3	3 33	21 4	2 25	19 2	3 33	24 13	0 53	21 54	0 31	5 20	2 36	23 36	0 21	0 8	1 27	1 24	16 6	3 15	2 59	24 49	11 57	6 25
T 24	23 29	16 43	2 32	20 50	2 39	18 49	3 44	24 11	0 53	21 56	0 30	5 21	2 36	23 36	0 21	0 8	1 27	1 24	16 5	3 17	3 0	24 47	11 56	6 24
F 25	23 27	10 35	1 22	20 37	2 51	18 36	3 54	24 9	0 54	21 57	0 30	5 21	2 35	23 36	0 21	0 8	1 27	1 24	16 5	3 18	3 1	24 46	11 55	6 24
S 26	23 26	4 4	0 9	20 27	3 0	18 25	4 3	24 6	0 54	21 59	0 30	5 21	2 35	23 36	0 21	0 7	1 27	1 24	16 5	3 18	3 3	24 44	11 55	6 24
S 27	23 24	2n26	1n 3	20 18	3 6	18 14	4 12	24 3	0 55	22 0	0 30	5 22	2 35	23 36	0 21	0 7	1 27	1 24	16 4	3 18	3 4	24 42	11 54	6 24
M28	23 21	8 40	2 10	20 12	3 11	18 4	4 21	24 0	0 55	22 2	0 30	5 22	2 34	23 37	0 21	0 7	1 27	1 23	16 4	3 18	3 5	24 40	11 53	6 23
T 29	23 18	14 23	3 8	20 8	3 13	17 55	4 28	23 57	0 55	22 4	0 30	5 23	2 34	23 37	0 21	0 7	1 27	1 23	16 4	3 19	3 6	24 38	11 52	6 23
W30	23 15	19 22	3 55	20 6	3 12	17 47	4 36	23 53	0 56	22 5	0 30	5 23	2 34	23 37	0 21	0 7	1 28	1 23	16 3	3 21	3 8	24 36	11 51	6 23
T 31	23 s11	23n26	4n30	20 s 6	3n11	17 s40	4n42	23 s49	0 s56	22 s 7	0n30	5n24	2 s34	23n37	0n21	0n 7	1n28	1 s23	16 s 3	3 s24	3 s 9	24n34	11 s51	6n23

Julian Day Number = 2311260.5, Delta T = 70.47 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'47, Lahiri = 18°29'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

JANUARY 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 39 54	10♉ 6'12	7♊22	22°R10	12°R21	13♉23	14♐55	19♈50	7°R41	3♎ 4	6°R48	21°R16	22♓ 2	28♋35	9♒14	F 1
S 2	6 43 50	11° 7'22	19°32	22°D 2	12°D21	14° 9	15° 8	19°52	7♋38	3° 4	6♉47	21♓ 3	21°58	28°41	9°19	S 2
S 3	6 47 47	12° 8'31	1♋35	22♐ 4	12♐23	14°56	15°21	19°53	7°36	3° 4	6°47	20°50	21°55	28°48	9°23	S 3
M 4	6 51 44	13° 9'40	13°33	22°14	12°28	15°42	15°33	19°54	7°33	3° 4	6°46	20°36	21°52	28°55	9°27	M 4
T 5	6 55 40	14°10'48	25°26	22°32	12°35	16°29	15°46	19°55	7°31	3°R 4	6°46	20°24	21°49	29° 2	9°31	T 5
W 6	6 59 37	15°11'56	7♌17	22°57	12°44	17°15	15°59	19°57	7°28	3° 4	6°46	20°14	21°46	29° 8	9°36	W 6
T 7	7 3 33	16°13'04	19° 6	23°28	12°55	18° 2	16°12	19°59	7°26	3° 4	6°45	20° 6	21°43	29°15	9°40	T 7
F 8	7 7 30	17°14'12	0♍57	24° 5	13° 9	18°49	16°24	20° 0	7°23	3° 4	6°45	20° 2	21°39	29°22	9°44	F 8
S 9	7 11 26	18°15'19	12°52	24°47	13°24	19°35	16°37	20° 2	7°20	3° 4	6°45	20° 0	21°36	29°28	9°49	S 9
S 10	7 15 23	19°16'26	24°56	25°34	13°42	20°22	16°49	20° 4	7°18	3° 3	6°45	19°D59	21°33	29°35	9°53	S 10
M11	7 19 19	20°17'33	7♎13	26°25	14° 2	21° 9	17° 2	20° 6	7°15	3° 3	6°44	20° 0	21°30	29°42	9°58	M11
T 12	7 23 16	21°18'40	19°48	27°19	14°24	21°56	17°14	20° 8	7°13	3° 3	6°44	20°R 1	21°27	29°48	10° 2	T 12
W13	7 27 13	22°19'46	2♏46	28°18	14°47	22°42	17°26	20°11	7°10	3° 3	6°44	20° 0	21°23	29°55	10° 6	W13
T 14	7 31 9	23°20'53	16°12	29°19	15°13	23°29	17°39	20°13	7° 8	3° 2	6°44	19°58	21°20	0♌ 2	10°11	T 14
F 15	7 35 6	24°21'59	0♐ 7	0♉23	15°40	24°16	17°51	20°16	7° 5	3° 2	6°44	19°53	21°17	0° 9	10°15	F 15
S 16	7 39 2	25°23'04	14°31	1°29	16° 9	25° 3	18° 3	20°18	7° 3	3° 2	6°43	19°46	21°14	0°15	10°20	S 16
S 17	7 42 59	26°24'09	29°22	2°38	16°39	25°50	18°15	20°21	7° 1	3° 1	6°43	19°38	21°11	0°22	10°24	S 17
M18	7 46 55	27°25'14	14♉32	3°49	17°11	26°37	18°27	20°24	6°58	3° 1	6°43	19°29	21° 8	0°29	10°29	M18
T 19	7 50 52	28°26'18	29°51	5° 1	17°44	27°24	18°39	20°27	6°56	3° 0	6°43	19°21	21° 4	0°35	10°33	T 19
W20	7 54 49	29°27'20	15♒ 8	6°16	18°19	28°11	18°51	20°30	6°53	3° 0	6°43	19°15	21° 1	0°42	10°38	W20
T 21	7 58 45	0♒28'22	0♓12	7°32	18°55	28°58	19° 3	20°33	6°51	2°59	6°D43	19°12	20°58	0°49	10°43	T 21
F 22	8 2 42	1°29'23	14°54	8°49	19°33	29°45	19°15	20°36	6°49	2°59	6°43	19°D10	20°55	0°55	10°47	F 22
S 23	8 6 38	2°30'23	29°11	10° 8	20°11	0♒32	19°26	20°39	6°47	2°58	6°43	19°10	20°52	1° 2	10°52	S 23
S 24	8 10 35	3°31'21	13♈ 1	11°28	20°51	1°19	19°38	20°43	6°44	2°58	6°43	19°12	20°49	1° 9	10°56	S 24
M25	8 14 31	4°32'18	26°24	12°49	21°32	2° 6	19°50	20°46	6°42	2°57	6°43	19°13	20°45	1°15	11° 1	M25
T 26	8 18 28	5°33'14	9♉23	14°11	22°14	2°53	20° 1	20°50	6°40	2°56	6°44	19°R13	20°42	1°22	11° 6	T 26
W27	8 22 24	6°34'08	22° 2	15°35	22°58	3°41	20°12	20°53	6°38	2°55	6°44	19°12	20°39	1°29	11°10	W27
T 28	8 26 21	7°35'02	4♊24	16°59	23°42	4°28	20°24	20°57	6°36	2°55	6°44	19° 8	20°36	1°36	11°15	T 28
F 29	8 30 18	8°35'54	16°35	18°24	24°27	5°15	20°35	21° 1	6°33	2°54	6°44	19° 3	20°33	1°42	11°19	F 29
S 30	8 34 14	9°36'44	28°36	19°51	25°13	6° 2	20°46	21° 5	6°31	2°53	6°44	18°56	20°29	1°49	11°24	S 30
S 31	8 38 11	10♒37'33	10♋32	21♉18	26♐ 0	6♒49	20♐57	21♈ 9	6♋29	2♎52	6♉44	18♓49	20♓26	1♌56	11♒29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s 6	26n23	4n52	20s 9	3n 7	17s34	4n48	23s45	0s56	22s 8	0n30	5n25	2s33	23n37	0n21	0n 7	1n28	1s23	16s 3	3s28	3s10	24n32	11s50	6n22
S 2	23 1	28 5	5 1	20 13	3 2	17 28	4 54	23 41	0 57	22 10	0 30	5 25	2 33	23 37	0 21	0 7	1 28	1 23	16 2	3 33	3 11	24 30	11 49	6 22
S 3	22 56	28 25	4 56	20 19	2 56	17 24	4 58	23 36	0 57	22 11	0 30	5 26	2 33	23 38	0 21	0 7	1 28	1 22	16 2	3 39	3 13	24 28	11 48	6 22
M 4	22 50	27 24	4 38	20 27	2 50	17 20	5 3	23 31	0 57	22 13	0 30	5 27	2 32	23 38	0 21	0 7	1 28	1 22	16 2	3 44	3 14	24 27	11 47	6 22
T 5	22 44	25 9	4 8	20 35	2 42	17 17	5 6	23 25	0 58	22 14	0 30	5 28	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 49	3 15	24 25	11 46	6 22
W 6	22 37	21 49	3 27	20 45	2 34	17 15	5 10	23 20	0 58	22 15	0 30	5 28	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 53	3 16	24 23	11 45	6 21
T 7	22 30	17 37	2 37	20 55	2 25	17 14	5 13	23 14	0 58	22 17	0 30	5 29	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 56	3 18	24 21	11 44	6 21
F 8	22 23	12 43	1 40	21 5	2 16	17 13	5 15	23 8	0 58	22 18	0 30	5 30	2 31	23 38	0 21	0 8	1 28	1 21	16 0	3 57	3 19	24 19	11 43	6 21
S 9	22 15	7 20	0 38	21 16	2 7	17 13	5 17	23 2	0 59	22 20	0 30	5 31	2 31	23 39	0 21	0 8	1 28	1 21	16 0	3 58	3 20	24 17	11 42	6 21
S 10	22 6	1 37	0s26	21 27	1 58	17 13	5 19	22 55	0 59	22 21	0 30	5 32	2 31	23 39	0 21	0 8	1 28	1 21	16 0	3 58	3 21	24 15	11 42	6 21
M11	21 57	4s16	1 31	21 38	1 48	17 14	5 20	22 48	0 59	22 22	0 30	5 33	2 30	23 39	0 21	0 8	1 28	1 21	15 59	3 58	3 23	24 13	11 41	6 21
T 12	21 48	10 7	2 33	21 49	1 39	17 16	5 21	22 41	1 0	22 23	0 30	5 34	2 30	23 39	0 21	0 8	1 28	1 20	15 59	3 58	3 24	24 11	11 40	6 20
W13	21 38	15 43	3 28	22 0	1 29	17 18	5 21	22 34	1 0	22 24	0 29	5 35	2 30	23 39	0 21	0 8	1 28	1 20	15 59	3 58	3 25	24 9	11 39	6 20
T 14	21 28	20 47	4 15	22 10	1 19	17 21	5 21	22 26	1 0	22 26	0 29	5 37	2 30	23 39	0 21	0 8	1 28	1 20	15 58	3 59	3 26	24 7	11 37	6 20
F 15	21 17	24 54	4 48	22 20	1 10	17 24	5 21	22 18	1 0	22 27	0 29	5 38	2 29	23 39	0 21	0 9	1 28	1 20	15 58	4 1	3 28	24 5	11 36	6 20
S 16	21 6	27 38	5 5	22 29	1 0	17 27	5 20	22 10	1 1	22 28	0 29	5 39	2 29	23 40	0 21	0 9	1 28	1 19	15 58	4 4	3 29	24 3	11 35	6 20
S 17	20 55	28 31	5 2	22 37	0 51	17 31	5 20	22 1	1 1	22 29	0 29	5 40	2 29	23 40	0 21	0 9	1 29	1 19	15 57	4 7	3 30	24 1	11 34	6 20
M18	20 43	27 18	4 38	22 44	0 42	17 35	5 19	21 53	1 1	22 30	0 29	5 42	2 28	23 40	0 21	0 9	1 29	1 19	15 57	4 10	3 32	23 59	11 33	6 20
T 19	20 31	24 2	3 53	22 51	0 33	17 40	5 17	21 44	1 1	22 31	0 29	5 43	2 28	23 40	0 21	0 9	1 29	1 18	15 57	4 13	3 33	23 57	11 32	6 19
W20	20 19	19 5	2 53	22 57	0 24	17 44	5 16	21 35	1 2	22 32	0 29	5 44	2 28	23 40	0 21	0 10	1 29	1 18	15 56	4 16	3 34	23 55	11 31	6 19
T 21	20 6	13 0	1 40	23 2	0 15	17 49	5 14	21 25	1 2	22 33	0 29	5 46	2 28	23 40	0 21	0 10	1 29	1 18	15 56	4 17	3 35	23 53	11 30	6 19
F 22	19 52	6 19	0 23	23 5	0 7	17 54	5 12	21 15	1 2	22 34	0 29	5 47	2 27	23 40	0 21	0 10	1 29	1 17	15 56	4 18	3 37	23 51	11 29	6 19
S 23	19 39	0n30	0n54	23 8	0s 2	17 59	5 9	21 6	1 2	22 35	0 29	5 49	2 27	23 40	0 21	0 11	1 29	1 17	15 55	4 18	3 38	23 49	11 28	6 19
S 24	19 25	7 4	2 5	23 10	0 10	18 4	5 7	20 55	1 2	22 36	0 29	5 50	2 27	23 41	0 21	0 11	1 29	1 17	15 55	4 17	3 39	23 47	11 27	6 19
M25	19 10	13 7	3 7	23 10	0 18	18 10	5 4	20 45	1 3	22 37	0 29	5 52	2 27	23 41	0 21	0 11	1 29	1 16	15 55	4 17	3 40	23 44	11 26	6 19
T 26	18 55	18 24	3 58	23 10	0 26	18 15	5 1	20 34	1 3	22 38	0 29	5 53	2 26	23 41	0 21	0 11	1 29	1 16	15 54	4 17	3 42	23 42	11 24	6 19
W27	18 40	22 45	4 36	23 8	0 33	18 20	4 58	20 24	1 3	22 39	0 29	5 55	2 26	23 41	0 21	0 12	1 29	1 16	15 54	4 17	3 43	23 40	11 23	6 19
T 28	18 25	25 58	4 59	23 5	0 41	18 26	4 55	20 13	1 3	22 40	0 29	5 57	2 26	23 41	0 21	0 12	1 29	1 15	15 54	4 19	3 44	23 38	11 22	6 19
F 29	18 9	27 56	5 9	23 1	0 48	18 31	4 52	20 1	1 3	22 41	0 29	5 58	2 25	23 41	0 21	0 12	1 29	1 15	15 53	4 21	3 45	23 36	11 21	6 19
S 30	17 53	28 34	5 5	22 55	0 54	18 36	4 48	19 50	1 3	22 41	0 29	6 0	2 25	23 41	0 21	0 13	1 29	1 14	15 53	4 23	3 47	23 34	11 20	6 19
S 31	17s37	27n51	4n48	22s48	1s 1	18s42	4n44	19s38	1s 4	22s42	0n29	6n 2	2s25	23n41	0n21	0n13	1n29	1s14	15s53	4s26	3s48	23n32	11s18	6n19

Julian Day Number = 2311291.5, Delta T = 70.39 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'51, Lahiri = 18°29'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

FEBRUARY 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 42 7	11♒38'21	22♋24	22♑46	26♐48	7♒36	21♐ 8	21♈13	6°R27	2°R51	6♉45	18°R41	20♓23	2♌ 2	11♒33	M 1
T 2	8 46 4	12°39'08	4♌14	24°15	27°37	8°24	21°19	21°17	6♋25	2♎50	6°45	18♓35	20°20	2° 9	11°38	T 2
W 3	8 50 0	13°39'53	16° 5	25°45	28°27	9°11	21°30	21°22	6°24	2°50	6°45	18°29	20°17	2°16	11°42	W 3
T 4	8 53 57	14°40'36	27°58	27°15	29°17	9°58	21°40	21°26	6°22	2°49	6°45	18°25	20°14	2°22	11°47	T 4
F 5	8 57 53	15°41'19	9♍54	28°47	0♑ 9	10°45	21°51	21°31	6°20	2°48	6°46	18°23	20°10	2°29	11°52	F 5
S 6	9 1 50	16°42'00	21°57	0♒19	1° 0	11°33	22° 1	21°35	6°18	2°47	6°46	18°D23	20° 7	2°36	11°56	S 6
S 7	9 5 47	17°42'40	4♎ 8	1°53	1°53	12°20	22°12	21°40	6°16	2°46	6°46	18°24	20° 4	2°42	12° 1	S 7
M 8	9 9 43	18°43'19	16°31	3°27	2°46	13° 7	22°22	21°45	6°14	2°45	6°47	18°26	20° 1	2°49	12° 5	M 8
T 9	9 13 40	19°43'56	29°10	5° 2	3°40	13°54	22°32	21°49	6°13	2°43	6°47	18°27	19°58	2°56	12°10	T 9
W10	9 17 36	20°44'33	12♏ 7	6°38	4°35	14°42	22°42	21°54	6°11	2°42	6°48	18°29	19°55	3° 2	12°14	W10
T 11	9 21 33	21°45'08	25°27	8°14	5°30	15°29	22°52	21°59	6°10	2°41	6°48	18°R29	19°51	3° 9	12°19	T 11
F 12	9 25 29	22°45'42	9♐11	9°52	6°25	16°16	23° 2	22° 4	6° 8	2°40	6°49	18°28	19°48	3°16	12°24	F 12
S 13	9 29 26	23°46'15	23°21	11°30	7°22	17° 4	23°12	22°10	6° 6	2°39	6°49	18°26	19°45	3°23	12°28	S 13
S 14	9 33 22	24°46'47	7♑54	13°10	8°18	17°51	23°21	22°15	6° 5	2°38	6°50	18°23	19°42	3°29	12°33	S 14
M15	9 37 19	25°47'17	22°48	14°50	9°16	18°38	23°31	22°20	6° 4	2°36	6°50	18°20	19°39	3°36	12°37	M15
T 16	9 41 16	26°47'46	7♒54	16°31	10°13	19°26	23°40	22°25	6° 2	2°35	6°51	18°17	19°35	3°43	12°42	T 16
W17	9 45 12	27°48'13	23° 3	18°13	11°12	20°13	23°50	22°31	6° 1	2°34	6°51	18°14	19°32	3°49	12°46	W17
T 18	9 49 9	28°48'38	8♓ 7	19°56	12°10	21° 0	23°59	22°36	5°59	2°33	6°52	18°13	19°29	3°56	12°51	T 18
F 19	9 53 5	29°49'02	22°55	21°40	13° 9	21°48	24° 8	22°42	5°58	2°31	6°52	18°D13	19°26	4° 3	12°55	F 19
S 20	9 57 2	0♓49'24	7♈22	23°26	14° 9	22°35	24°17	22°48	5°57	2°30	6°53	18°14	19°23	4° 9	13° 0	S 20
S 21	10 0 58	1°49'44	21°22	25°12	15° 9	23°22	24°26	22°53	5°56	2°29	6°54	18°15	19°20	4°16	13° 4	S 21
M22	10 4 55	2°50'02	4♉56	26°59	16° 9	24°10	24°34	22°59	5°55	2°27	6°54	18°16	19°16	4°23	13° 8	M22
T 23	10 8 51	3°50'18	18° 4	28°47	17° 9	24°57	24°43	23° 5	5°54	2°26	6°55	18°17	19°13	4°29	13°13	T 23
W24	10 12 48	4°50'32	0♊48	0♓36	18°10	25°44	24°51	23°11	5°53	2°24	6°56	18°R18	19°10	4°36	13°17	W24
T 25	10 16 45	5°50'43	13°13	2°26	19°12	26°32	25° 0	23°17	5°52	2°23	6°57	18°18	19° 7	4°43	13°21	T 25
F 26	10 20 41	6°50'53	25°23	4°17	20°13	27°19	25° 8	23°23	5°51	2°22	6°57	18°17	19° 4	4°49	13°26	F 26
S 27	10 24 38	7°51'01	7♋21	6° 9	21°15	28° 6	25°16	23°29	5°50	2°20	6°58	18°16	19° 1	4°56	13°30	S 27
S 28	10 28 34	8°51'07	19°14	8° 2	22°18	28°54	25°24	23°35	5°49	2°19	6°59	18°15	18°57	5° 3	13°34	S 28
M29	10 32 31	9♓51'10	1♌ 3	9♓56	23♑20	29♒41	25♐32	23♈41	5♋49	2♎17	7♉ 0	18♓13	18♓54	5♌ 9	13♒39	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s20	25n52	4n18	22s40	1s 7	18s47	4n41	19s26	1s 4	22s43	0n29	6n 4	2s25	23n41	0n21	0n14	1n29	1s14	15s52	4s29	3s49	23n30	11s17	6n18
T 2	17 3	22 45	3 37	22 31	1 13	18 52	4 37	19 14	1 4	22 44	0 29	6 5	2 24	23 41	0 21	0 14	1 29	1 13	15 52	4 32	3 50	23 28	11 16	6 18
W 3	16 46	18 42	2 47	22 20	1 19	18 56	4 33	19 2	1 4	22 44	0 29	6 7	2 24	23 42	0 21	0 14	1 29	1 13	15 51	4 34	3 52	23 26	11 15	6 18
T 4	16 28	13 55	1 49	22 8	1 24	19 1	4 28	18 49	1 4	22 45	0 29	6 9	2 24	23 42	0 21	0 15	1 29	1 12	15 51	4 35	3 53	23 23	11 14	6 18
F 5	16 10	8 35	0 46	21 55	1 30	19 5	4 24	18 36	1 4	22 46	0 29	6 11	2 24	23 42	0 21	0 15	1 29	1 12	15 51	4 36	3 54	23 21	11 12	6 18
S 6	15 52	2 54	0s20	21 40	1 34	19 9	4 20	18 23	1 4	22 46	0 29	6 13	2 23	23 42	0 21	0 16	1 30	1 12	15 50	4 36	3 55	23 19	11 11	6 18
S 7	15 33	2s57	1 25	21 24	1 39	19 13	4 15	18 10	1 5	22 47	0 29	6 15	2 23	23 42	0 21	0 16	1 30	1 11	15 50	4 36	3 57	23 17	11 10	6 18
M 8	15 15	8 47	2 28	21 6	1 43	19 17	4 11	17 57	1 5	22 48	0 29	6 17	2 23	23 42	0 21	0 17	1 30	1 11	15 50	4 35	3 58	23 15	11 9	6 18
T 9	14 56	14 24	3 25	20 47	1 47	19 20	4 6	17 43	1 5	22 48	0 29	6 19	2 23	23 42	0 21	0 17	1 30	1 10	15 49	4 34	3 59	23 13	11 7	6 18
W10	14 37	19 31	4 13	20 27	1 51	19 24	4 1	17 30	1 5	22 49	0 28	6 21	2 23	23 42	0 21	0 18	1 30	1 10	15 49	4 34	4 0	23 11	11 6	6 18
T 11	14 17	23 51	4 49	20 5	1 54	19 26	3 57	17 16	1 5	22 50	0 28	6 23	2 22	23 42	0 21	0 18	1 30	1 9	15 49	4 34	4 2	23 8	11 5	6 19
F 12	13 58	26 59	5 10	19 42	1 57	19 29	3 52	17 2	1 5	22 50	0 28	6 25	2 22	23 42	0 21	0 19	1 30	1 9	15 48	4 34	4 3	23 6	11 4	6 19
S 13	13 38	28 32	5 13	19 17	2 0	19 31	3 47	16 47	1 5	22 51	0 28	6 27	2 22	23 42	0 21	0 19	1 30	1 8	15 48	4 35	4 4	23 4	11 2	6 19
S 14	13 17	28 11	4 56	18 51	2 2	19 32	3 42	16 33	1 5	22 51	0 28	6 29	2 22	23 42	0 21	0 20	1 30	1 8	15 48	4 36	4 5	23 2	11 1	6 19
M15	12 57	25 49	4 20	18 23	2 4	19 34	3 37	16 18	1 5	22 52	0 28	6 31	2 21	23 42	0 21	0 20	1 30	1 7	15 47	4 38	4 7	23 0	11 0	6 19
T 16	12 37	21 37	3 24	17 54	2 5	19 35	3 32	16 3	1 5	22 52	0 28	6 34	2 21	23 42	0 21	0 21	1 30	1 7	15 47	4 39	4 8	22 58	10 58	6 19
W17	12 16	15 59	2 14	17 24	2 6	19 35	3 27	15 48	1 5	22 53	0 28	6 36	2 21	23 43	0 21	0 21	1 30	1 6	15 47	4 40	4 9	22 55	10 57	6 19
T 18	11 55	9 24	0 56	16 52	2 7	19 35	3 21	15 33	1 5	22 53	0 28	6 38	2 21	23 43	0 21	0 22	1 30	1 6	15 46	4 40	4 10	22 53	10 56	6 19
F 19	11 34	2 25	0n26	16 19	2 7	19 35	3 16	15 18	1 5	22 53	0 28	6 40	2 21	23 43	0 21	0 22	1 30	1 5	15 46	4 40	4 12	22 51	10 55	6 19
S 20	11 12	4n31	1 44	15 44	2 7	19 34	3 11	15 3	1 5	22 54	0 28	6 43	2 20	23 43	0 21	0 23	1 30	1 5	15 46	4 40	4 13	22 49	10 53	6 19
S 21	10 51	11 2	2 53	15 8	2 6	19 33	3 6	14 47	1 5	22 54	0 28	6 45	2 20	23 43	0 21	0 23	1 30	1 4	15 45	4 39	4 14	22 46	10 52	6 19
M22	10 29	16 49	3 50	14 30	2 5	19 32	3 0	14 31	1 5	22 55	0 28	6 47	2 20	23 43	0 21	0 24	1 30	1 4	15 45	4 39	4 15	22 44	10 51	6 19
T 23	10 7	21 37	4 34	13 51	2 3	19 30	2 55	14 15	1 5	22 55	0 28	6 50	2 20	23 43	0 21	0 25	1 30	1 3	15 45	4 38	4 17	22 42	10 49	6 19
W24	9 45	25 17	5 2	13 10	2 1	19 27	2 50	13 59	1 5	22 55	0 28	6 52	2 20	23 43	0 21	0 25	1 30	1 3	15 45	4 38	4 18	22 40	10 48	6 20
T 25	9 23	27 39	5 15	12 28	1 58	19 24	2 44	13 43	1 5	22 56	0 28	6 54	2 19	23 43	0 21	0 26	1 30	1 2	15 44	4 38	4 19	22 37	10 47	6 20
F 26	9 1	28 39	5 14	11 45	1 55	19 21	2 39	13 27	1 5	22 56	0 28	6 57	2 19	23 43	0 21	0 26	1 30	1 2	15 44	4 39	4 20	22 35	10 45	6 20
S 27	8 39	28 16	4 59	11 0	1 52	19 17	2 34	13 11	1 5	22 56	0 28	6 59	2 19	23 43	0 21	0 27	1 30	1 1	15 44	4 39	4 22	22 33	10 44	6 20
S 28	8 16	26 35	4 32	10 14	1 47	19 12	2 28	12 54	1 5	22 57	0 28	7 2	2 19	23 43	0 21	0 28	1 30	1 1	15 43	4 40	4 23	22 31	10 43	6 20
M29	7s53	23n45	3n53	9s27	1s43	19s 7	2n23	12s37	1s 5	22s57	0n28	7n 4	2s19	23n43	0n21	0n28	1n30	1s 0	15s43	4s40	4s24	22n28	10s41	6n20

Julian Day Number = 2311322.5, Delta T = 70.30 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'55, Lahiri = 18°29'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

MARCH 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 36 27	10♓51'12	12♌53	11♓51	24♉23	0♓28	25♐39	23♈48	5°R48	2°R16	7♉ 0	18°R12	18♓51	5♌16	13♒43	T 1
W 2	10 40 24	11°51'11	24°46	13°47	25°26	1°15	25°47	23°54	5♋47	2♎14	7° 1	18♓11	18°48	5°23	13°47	W 2
T 3	10 44 20	12°51'08	6♍45	15°43	26°30	2° 3	25°54	24° 0	5°47	2°13	7° 2	18°11	18°45	5°30	13°51	T 3
F 4	10 48 17	13°51'04	18°52	17°40	27°33	2°50	26° 2	24° 7	5°46	2°11	7° 3	18°D11	18°41	5°36	13°55	F 4
S 5	10 52 14	14°50'57	1♎ 7	19°38	28°37	3°37	26° 9	24°13	5°46	2° 9	7° 4	18°11	18°38	5°43	13°59	S 5
S 6	10 56 10	15°50'49	13°34	21°36	29°41	4°24	26°16	24°20	5°45	2° 8	7° 5	18°11	18°35	5°50	14° 3	S 6
M 7	11 0 7	16°50'38	26°12	23°34	0♒46	5°12	26°22	24°27	5°45	2° 6	7° 6	18°11	18°32	5°56	14° 7	M 7
T 8	11 4 3	17°50'26	9♏ 5	25°33	1°51	5°59	26°29	24°33	5°44	2° 5	7° 7	18°R11	18°29	6° 3	14°12	T 8
W 9	11 8 0	18°50'13	22°12	27°31	2°55	6°46	26°36	24°40	5°44	2° 3	7° 8	18°11	18°26	6°10	14°15	W 9
T 10	11 11 56	19°49'57	5♐36	29°28	4° 1	7°33	26°42	24°47	5°44	2° 2	7° 9	18°11	18°22	6°16	14°19	T 10
F 11	11 15 53	20°49'40	19°18	1♈25	5° 6	8°20	26°48	24°53	5°44	2° 0	7°10	18°D11	18°19	6°23	14°23	F 11
S 12	11 19 49	21°49'21	3♑17	3°21	6°11	9° 8	26°54	25° 0	5°44	1°58	7°11	18°11	18°16	6°30	14°27	S 12
S 13	11 23 46	22°49'01	17°33	5°15	7°17	9°55	27° 0	25° 7	5°44	1°57	7°12	18°11	18°13	6°36	14°31	S 13
M14	11 27 43	23°48'39	2♒ 4	7° 7	8°23	10°42	27° 6	25°14	5°D44	1°55	7°13	18°12	18°10	6°43	14°35	M14
T 15	11 31 39	24°48'15	16°45	8°56	9°29	11°29	27°11	25°21	5°44	1°53	7°14	18°12	18° 7	6°50	14°39	T 15
W16	11 35 36	25°47'49	1♓32	10°43	10°36	12°16	27°17	25°28	5°44	1°52	7°15	18°13	18° 3	6°56	14°42	W16
T 17	11 39 32	26°47'21	16°17	12°27	11°42	13° 3	27°22	25°35	5°44	1°50	7°16	18°R13	18° 0	7° 3	14°46	T 17
F 18	11 43 29	27°46'51	0♈53	14° 7	12°49	13°50	27°27	25°42	5°44	1°49	7°17	18°13	17°57	7°10	14°50	F 18
S 19	11 47 25	28°46'19	15°14	15°43	13°55	14°37	27°32	25°49	5°44	1°47	7°18	18°12	17°54	7°16	14°53	S 19
S 20	11 51 22	29°45'44	29°15	17°15	15° 2	15°24	27°37	25°57	5°45	1°45	7°19	18°11	17°51	7°23	14°57	S 20
M21	11 55 18	0♈45'08	12♉53	18°41	16° 9	16°11	27°42	26° 4	5°45	1°44	7°20	18° 9	17°47	7°30	15° 1	M21
T 22	11 59 15	1°44'30	26° 6	20° 2	17°17	16°58	27°46	26°11	5°45	1°42	7°21	18° 8	17°44	7°36	15° 4	T 22
W23	12 3 11	2°43'49	8♊56	21°18	18°24	17°45	27°50	26°18	5°46	1°40	7°22	18° 6	17°41	7°43	15° 7	W23
T 24	12 7 8	3°43'06	21°26	22°27	19°31	18°32	27°54	26°26	5°47	1°39	7°24	18° 5	17°38	7°50	15°11	T 24
F 25	12 11 5	4°42'20	3♋38	23°30	20°39	19°19	27°58	26°33	5°47	1°37	7°25	18°D 5	17°35	7°56	15°14	F 25
S 26	12 15 1	5°41'33	15°38	24°27	21°47	20° 5	28° 2	26°40	5°48	1°35	7°26	18° 5	17°32	8° 3	15°18	S 26
S 27	12 18 58	6°40'42	27°30	25°17	22°55	20°52	28° 5	26°48	5°48	1°34	7°27	18° 6	17°28	8°10	15°21	S 27
M28	12 22 54	7°39'50	9♌20	26° 1	24° 3	21°39	28° 9	26°55	5°49	1°32	7°28	18° 7	17°25	8°16	15°24	M28
T 29	12 26 51	8°38'55	21°11	26°37	25°11	22°26	28°12	27° 2	5°50	1°30	7°29	18° 9	17°22	8°23	15°27	T 29
W30	12 30 47	9°37'58	3♍ 7	27° 7	26°19	23°13	28°15	27°10	5°51	1°29	7°31	18°10	17°19	8°30	15°30	W30
T 31	12 34 44	10♈36'59	15♍13	27♈30	27♒27	23♓59	28♐18	27♈17	5♋52	1♎27	7♉32	18°R11	17♓16	8♌37	15♒34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s31	19n55	3n 4	8s38	1s37	19s 2	2n17	12s21	1s 5	22s57	0n28	7n 7	2s19	23n43	0n21	0n29	1n30	1s 0	15s43	4s41	4s25	22n26	10s40	6n20
W 2	7 8	15 16	2 6	7 48	1 32	18 56	2 12	12 4	1 5	22 57	0 28	7 9	2 18	23 43	0 21	0 29	1 30	0 59	15 42	4 41	4 27	22 24	10 39	6 20
T 3	6 45	10 2	1 3	6 57	1 25	18 50	2 7	11 47	1 5	22 58	0 28	7 12	2 18	23 43	0 21	0 30	1 30	0 59	15 42	4 41	4 28	22 22	10 37	6 21
F 4	6 22	4 21	0s 4	6 5	1 18	18 43	2 1	11 30	1 5	22 58	0 28	7 14	2 18	23 43	0 21	0 31	1 30	0 58	15 42	4 41	4 29	22 19	10 36	6 21
S 5	5 59	1s32	1 11	5 12	1 11	18 35	1 56	11 12	1 5	22 58	0 28	7 17	2 18	23 43	0 21	0 31	1 30	0 58	15 42	4 41	4 30	22 17	10 35	6 21
S 6	5 36	7 27	2 16	4 18	1 2	18 27	1 51	10 55	1 5	22 58	0 28	7 19	2 18	23 43	0 21	0 32	1 31	0 57	15 41	4 41	4 31	22 15	10 33	6 21
M 7	5 12	13 11	3 16	3 23	0 54	18 19	1 45	10 38	1 5	22 59	0 28	7 22	2 18	23 43	0 21	0 33	1 31	0 57	15 41	4 41	4 33	22 12	10 32	6 21
T 8	4 49	18 27	4 7	2 27	0 44	18 10	1 40	10 20	1 4	22 59	0 28	7 24	2 17	23 43	0 21	0 33	1 31	0 56	15 41	4 41	4 34	22 10	10 31	6 22
W 9	4 26	22 57	4 45	1 31	0 35	18 1	1 35	10 3	1 4	22 59	0 28	7 27	2 17	23 43	0 21	0 34	1 31	0 56	15 41	4 41	4 35	22 8	10 30	6 22
T 10	4 2	26 22	5 10	0 35	0 24	17 51	1 30	9 45	1 4	22 59	0 28	7 29	2 17	23 43	0 21	0 35	1 31	0 55	15 40	4 41	4 36	22 5	10 28	6 22
F 11	3 39	28 20	5 17	0n21	0 13	17 40	1 24	9 27	1 4	22 59	0 28	7 32	2 17	23 43	0 21	0 35	1 31	0 54	15 40	4 41	4 38	22 3	10 27	6 22
S 12	3 15	28 33	5 7	1 18	0 2	17 29	1 19	9 9	1 4	23 0	0 28	7 35	2 17	23 43	0 21	0 36	1 31	0 54	15 40	4 41	4 39	22 1	10 26	6 22
S 13	2 51	26 55	4 37	2 14	0n 9	17 18	1 14	8 51	1 4	23 0	0 28	7 37	2 17	23 43	0 21	0 37	1 31	0 53	15 40	4 41	4 40	21 58	10 24	6 23
M14	2 28	23 28	3 49	3 9	0 21	17 6	1 9	8 33	1 4	23 0	0 28	7 40	2 17	23 43	0 21	0 37	1 31	0 53	15 39	4 41	4 41	21 56	10 23	6 23
T 15	2 4	18 29	2 46	4 4	0 34	16 53	1 4	8 15	1 4	23 0	0 28	7 43	2 16	23 43	0 21	0 38	1 31	0 52	15 39	4 40	4 43	21 54	10 22	6 23
W16	1 40	12 22	1 31	4 57	0 46	16 40	0 59	7 57	1 3	23 0	0 28	7 45	2 16	23 43	0 21	0 39	1 31	0 52	15 39	4 40	4 44	21 51	10 20	6 23
T 17	1 17	5 35	0 11	5 50	0 58	16 27	0 54	7 39	1 3	23 0	0 28	7 48	2 16	23 43	0 21	0 39	1 31	0 51	15 39	4 40	4 45	21 49	10 19	6 24
F 18	0 53	1n25	1n10	6 40	1 11	16 13	0 49	7 20	1 3	23 0	0 28	7 51	2 16	23 43	0 21	0 40	1 31	0 51	15 38	4 40	4 46	21 47	10 18	6 24
S 19	0 29	8 14	2 24	7 29	1 23	15 59	0 44	7 2	1 3	23 1	0 28	7 53	2 16	23 43	0 21	0 41	1 31	0 50	15 38	4 40	4 48	21 44	10 17	6 24
S 20	0 6	14 29	3 28	8 15	1 35	15 44	0 39	6 44	1 3	23 1	0 28	7 56	2 16	23 43	0 21	0 41	1 31	0 50	15 38	4 41	4 49	21 42	10 15	6 24
M21	0n18	19 50	4 19	8 59	1 47	15 29	0 35	6 25	1 2	23 1	0 28	7 59	2 16	23 43	0 21	0 42	1 31	0 49	15 38	4 42	4 50	21 39	10 14	6 25
T 22	0 42	24 4	4 53	9 41	1 59	15 13	0 30	6 7	1 2	23 1	0 28	8 1	2 16	23 43	0 21	0 43	1 31	0 48	15 38	4 42	4 51	21 37	10 13	6 25
W23	1 5	26 59	5 12	10 20	2 10	14 57	0 25	5 48	1 2	23 1	0 28	8 4	2 15	23 43	0 21	0 43	1 31	0 48	15 37	4 43	4 53	21 35	10 12	6 25
T 24	1 29	28 28	5 16	10 56	2 20	14 40	0 21	5 30	1 2	23 1	0 27	8 7	2 15	23 43	0 21	0 44	1 31	0 47	15 37	4 43	4 54	21 32	10 10	6 25
F 25	1 52	28 31	5 5	11 28	2 30	14 23	0 16	5 11	1 2	23 1	0 27	8 10	2 15	23 43	0 21	0 45	1 31	0 47	15 37	4 43	4 55	21 30	10 9	6 26
S 26	2 16	27 13	4 41	11 58	2 39	14 6	0 11	4 52	1 1	23 1	0 27	8 12	2 15	23 43	0 21	0 45	1 31	0 46	15 37	4 43	4 56	21 27	10 8	6 26
S 27	2 39	24 42	4 5	12 24	2 47	13 48	0 7	4 34	1 1	23 1	0 27	8 15	2 15	23 43	0 21	0 46	1 31	0 46	15 37	4 43	4 58	21 25	10 7	6 26
M28	3 3	21 9	3 18	12 47	2 55	13 30	0 3	4 15	1 1	23 1	0 27	8 18	2 15	23 43	0 21	0 47	1 31	0 45	15 36	4 42	4 59	21 23	10 5	6 26
T 29	3 26	16 44	2 24	13 6	3 1	13 11	0s 2	3 56	1 1	23 1	0 27	8 21	2 15	23 43	0 21	0 47	1 31	0 45	15 36	4 42	5 0	21 20	10 4	6 27
W30	3 49	11 39	1 22	13 21	3 6	12 52	0 6	3 37	1 0	23 1	0 27	8 23	2 15	23 43	0 21	0 48	1 31	0 44	15 36	4 41	5 1	21 18	10 3	6 27
T 31	4n13	6n 5	0n16	13n33	3n10	12s32	0s10	3s19	1s 0	23s 2	0n27	8n26	2s15	23n43	0n21	0n49	1n31	0s44	15s36	4s41	5s 3	21n15	10s 2	6n27

Julian Day Number = 2311351.5, Delta T = 70.23 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°22'59, Lahiri = 18°30'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

APRIL 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 38 40	11♈35'57	27♍30	27♈45	28♒36	24♓46	28♐21	27♈25	5♋53	1°R25	7♉33	18°R11	17♓12	8♌43	15♒37	F 1
S 2	12 42 37	12°34'54	10♎ 2	27°54	29°44	25°33	28°23	27°32	5°54	1♎24	7°34	18♓ 9	17° 9	8°50	15°40	S 2
S 3	12 46 34	13°33'48	22°47	27°R56	0♓53	26°19	28°25	27°40	5°55	1°22	7°36	18° 7	17° 6	8°57	15°42	S 3
M 4	12 50 30	14°32'41	5♏48	27°51	2° 1	27° 6	28°27	27°47	5°56	1°21	7°37	18° 3	17° 3	9° 3	15°45	M 4
T 5	12 54 27	15°31'31	19° 3	27°41	3°10	27°52	28°29	27°55	5°57	1°19	7°38	17°59	17° 0	9°10	15°48	T 5
W 6	12 58 23	16°30'20	2♐31	27°24	4°19	28°39	28°31	28° 3	5°58	1°17	7°39	17°54	16°57	9°17	15°51	W 6
T 7	13 2 20	17°29'07	16°11	27° 2	5°28	29°25	28°33	28°10	6° 0	1°16	7°41	17°51	16°53	9°23	15°54	T 7
F 8	13 6 16	18°27'52	0♑ 2	26°35	6°37	0♈12	28°34	28°18	6° 1	1°14	7°42	17°48	16°50	9°30	15°56	F 8
S 9	13 10 13	19°26'36	14° 2	26° 3	7°47	0°58	28°35	28°25	6° 2	1°13	7°43	17°D47	16°47	9°37	15°59	S 9
S 10	13 14 9	20°25'18	28° 9	25°28	8°56	1°44	28°36	28°33	6° 4	1°11	7°45	17°47	16°44	9°43	16° 2	S 10
M11	13 18 6	21°23'58	12♒24	24°50	10° 5	2°31	28°37	28°41	6° 5	1°10	7°46	17°48	16°41	9°50	16° 4	M11
T 12	13 22 3	22°22'37	26°42	24° 9	11°15	3°17	28°38	28°48	6° 7	1° 8	7°47	17°49	16°38	9°57	16° 7	T 12
W13	13 25 59	23°21'13	11♓ 2	23°27	12°24	4° 3	28°38	28°56	6° 8	1° 7	7°49	17°R51	16°34	10° 3	16° 9	W13
T 14	13 29 56	24°19'48	25°20	22°45	13°34	4°50	28°39	29° 4	6°10	1° 5	7°50	17°50	16°31	10°10	16°11	T 14
F 15	13 33 52	25°18'21	9♈32	22° 3	14°44	5°36	28°R39	29°11	6°11	1° 4	7°51	17°49	16°28	10°17	16°14	F 15
S 16	13 37 49	26°16'53	23°34	21°21	15°53	6°22	28°38	29°19	6°13	1° 2	7°53	17°45	16°25	10°23	16°16	S 16
S 17	13 41 45	27°15'22	7♉21	20°41	17° 3	7° 8	28°38	29°27	6°15	1° 1	7°54	17°40	16°22	10°30	16°18	S 17
M18	13 45 42	28°13'50	20°51	20° 3	18°13	7°54	28°38	29°34	6°17	0°59	7°55	17°33	16°18	10°37	16°20	M18
T 19	13 49 38	29°12'16	4♊ 0	19°29	19°23	8°40	28°37	29°42	6°18	0°58	7°57	17°26	16°15	10°43	16°22	T 19
W20	13 53 35	0♉10'39	16°50	18°57	20°33	9°26	28°36	29°50	6°20	0°56	7°58	17°19	16°12	10°50	16°24	W20
T 21	13 57 32	1° 9'01	29°20	18°30	21°43	10°12	28°35	29°57	6°22	0°55	7°59	17°14	16° 9	10°57	16°26	T 21
F 22	14 1 28	2° 7'21	11♋33	18° 6	22°53	10°58	28°34	0♉ 5	6°24	0°54	8° 1	17°10	16° 6	11° 3	16°28	F 22
S 23	14 5 25	3° 5'38	23°34	17°47	24° 3	11°44	28°32	0°13	6°26	0°52	8° 2	17° 7	16° 3	11°10	16°30	S 23
S 24	14 9 21	4° 3'54	5♌27	17°32	25°13	12°30	28°31	0°21	6°28	0°51	8° 3	17°D 7	15°59	11°17	16°32	S 24
M25	14 13 18	5° 2'07	17°17	17°23	26°24	13°15	28°29	0°28	6°30	0°50	8° 5	17° 8	15°56	11°23	16°34	M25
T 26	14 17 14	6° 0'18	29° 9	17°18	27°34	14° 1	28°27	0°36	6°33	0°48	8° 6	17° 9	15°53	11°30	16°35	T 26
W27	14 21 11	6°58'28	11♍ 8	17°D18	28°44	14°47	28°25	0°44	6°35	0°47	8° 7	17°R10	15°50	11°37	16°37	W27
T 28	14 25 7	7°56'35	23°18	17°22	29°55	15°32	28°22	0°51	6°37	0°46	8° 9	17°10	15°47	11°43	16°38	T 28
F 29	14 29 4	8°54'40	5♎44	17°32	1♈ 5	16°18	28°20	0°59	6°39	0°45	8°10	17° 8	15°44	11°50	16°40	F 29
S 30	14 33 1	9♉52'44	18♎29	17♈46	2♈16	17♈ 4	28♐17	1♉ 7	6♋42	0♎43	8♉12	17♓ 4	15♓40	11♌57	16♒41	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n36	0n13	0s51	13n41	3n12	12s13	0s14	3s 0	1s 0	23s 2	0n27	8n29	2s15	23n43	0n21	0n49	1n31	0s43	15s36	4s41	5s 4	21n13	10s 1	6n28
S 2	4 59	5s47	1 57	13 45	3 13	11 52	0 18	2 41	1 0	23 2	0 27	8 32	2 15	23 42	0 21	0 50	1 31	0 43	15 36	4 42	5 5	21 10	10 0	6 28
S 3	5 22	11 39	2 59	13 46	3 13	11 32	0 22	2 22	0 59	23 2	0 27	8 34	2 14	23 42	0 21	0 51	1 31	0 42	15 35	4 43	5 6	21 8	9 58	6 28
M 4	5 45	17 8	3 52	13 43	3 11	11 11	0 26	2 4	0 59	23 2	0 27	8 37	2 14	23 42	0 21	0 51	1 31	0 42	15 35	4 44	5 8	21 5	9 57	6 29
T 5	6 7	21 55	4 34	13 36	3 8	10 50	0 30	1 45	0 59	23 2	0 27	8 40	2 14	23 42	0 21	0 52	1 31	0 41	15 35	4 46	5 9	21 3	9 56	6 29
W 6	6 30	25 38	5 2	13 25	3 3	10 28	0 33	1 26	0 58	23 2	0 27	8 43	2 14	23 42	0 21	0 52	1 31	0 40	15 35	4 47	5 10	21 0	9 55	6 29
T 7	6 53	27 57	5 13	13 11	2 57	10 6	0 37	1 7	0 58	23 2	0 27	8 45	2 14	23 42	0 21	0 53	1 31	0 40	15 35	4 49	5 11	20 58	9 54	6 30
F 8	7 15	28 35	5 6	12 54	2 49	9 44	0 41	0 48	0 58	23 2	0 27	8 48	2 14	23 42	0 21	0 54	1 31	0 39	15 35	4 50	5 12	20 55	9 53	6 30
S 9	7 37	27 24	4 41	12 34	2 40	9 21	0 44	0 29	0 57	23 2	0 27	8 51	2 14	23 42	0 21	0 54	1 31	0 39	15 35	4 50	5 14	20 53	9 52	6 30
S 10	8 0	24 28	3 59	12 11	2 30	8 58	0 47	0 11	0 57	23 2	0 27	8 54	2 14	23 42	0 21	0 55	1 31	0 38	15 34	4 50	5 15	20 51	9 51	6 31
M11	8 22	20 1	3 2	11 46	2 18	8 35	0 51	0n 8	0 57	23 2	0 27	8 56	2 14	23 42	0 21	0 55	1 31	0 38	15 34	4 50	5 16	20 48	9 50	6 31
T 12	8 44	14 25	1 53	11 19	2 5	8 12	0 54	0 27	0 56	23 2	0 27	8 59	2 14	23 42	0 21	0 56	1 31	0 37	15 34	4 49	5 17	20 46	9 49	6 31
W13	9 6	8 1	0 37	10 50	1 50	7 48	0 57	0 46	0 56	23 2	0 27	9 2	2 14	23 42	0 21	0 57	1 31	0 37	15 34	4 49	5 19	20 43	9 47	6 32
T 14	9 27	1 14	0n41	10 20	1 35	7 24	1 0	1 4	0 56	23 2	0 27	9 5	2 14	23 42	0 21	0 57	1 31	0 36	15 34	4 49	5 20	20 40	9 46	6 32
F 15	9 49	5n33	1 55	9 50	1 20	7 0	1 3	1 23	0 55	23 2	0 27	9 7	2 14	23 42	0 21	0 58	1 31	0 36	15 34	4 50	5 21	20 38	9 45	6 33
S 16	10 10	11 59	3 2	9 19	1 3	6 36	1 6	1 42	0 55	23 2	0 27	9 10	2 14	23 41	0 21	0 58	1 31	0 35	15 34	4 51	5 22	20 35	9 44	6 33
S 17	10 31	17 43	3 57	8 49	0 46	6 11	1 9	2 0	0 54	23 2	0 27	9 13	2 14	23 41	0 21	0 59	1 31	0 35	15 34	4 53	5 24	20 33	9 43	6 33
M18	10 52	22 27	4 37	8 19	0 29	5 46	1 12	2 19	0 54	23 2	0 27	9 16	2 14	23 41	0 21	1 0	1 31	0 34	15 34	4 56	5 25	20 30	9 42	6 34
T 19	11 13	25 55	5 1	7 50	0 13	5 21	1 14	2 37	0 54	23 2	0 27	9 18	2 14	23 41	0 21	1 0	1 31	0 34	15 34	4 58	5 26	20 28	9 41	6 34
W20	11 34	27 58	5 9	7 22	0s 4	4 56	1 17	2 56	0 53	23 2	0 27	9 21	2 14	23 41	0 21	1 1	1 31	0 34	15 33	5 1	5 27	20 25	9 41	6 34
T 21	11 54	28 32	5 2	6 57	0 21	4 30	1 19	3 14	0 53	23 2	0 27	9 24	2 14	23 41	0 21	1 1	1 31	0 33	15 33	5 3	5 29	20 23	9 40	6 35
F 22	12 14	27 40	4 42	6 33	0 37	4 5	1 22	3 33	0 53	23 2	0 27	9 26	2 14	23 41	0 21	1 2	1 31	0 33	15 33	5 5	5 30	20 20	9 39	6 35
S 23	12 34	25 31	4 9	6 11	0 53	3 39	1 24	3 51	0 52	23 3	0 26	9 29	2 14	23 41	0 21	1 2	1 31	0 32	15 33	5 6	5 31	20 18	9 38	6 36
S 24	12 54	22 17	3 26	5 52	1 8	3 13	1 26	4 9	0 52	23 3	0 26	9 32	2 14	23 41	0 21	1 3	1 31	0 32	15 33	5 6	5 32	20 15	9 37	6 36
M25	13 14	18 8	2 34	5 35	1 22	2 47	1 28	4 27	0 51	23 3	0 26	9 34	2 14	23 41	0 21	1 3	1 31	0 31	15 33	5 6	5 33	20 13	9 36	6 36
T 26	13 33	13 18	1 36	5 20	1 36	2 21	1 30	4 46	0 51	23 3	0 26	9 37	2 14	23 40	0 21	1 4	1 30	0 31	15 33	5 5	5 35	20 10	9 35	6 37
W27	13 52	7 55	0 33	5 8	1 48	1 55	1 32	5 4	0 50	23 3	0 26	9 40	2 14	23 40	0 21	1 4	1 30	0 30	15 33	5 5	5 36	20 7	9 34	6 37
T 28	14 11	2 10	0s33	4 59	2 0	1 28	1 34	5 22	0 50	23 3	0 26	9 42	2 14	23 40	0 21	1 5	1 30	0 30	15 33	5 5	5 37	20 5	9 33	6 38
F 29	14 30	3s47	1 38	4 52	2 11	1 2	1 36	5 40	0 49	23 3	0 26	9 45	2 14	23 40	0 21	1 5	1 30	0 29	15 33	5 6	5 38	20 2	9 33	6 38
S 30	14n48	9s43	2s40	4n48	2s21	0s35	1s37	5n58	0s49	23s 3	0n26	9n48	2s14	23n40	0n21	1n 6	1n30	0s29	15s33	5s 7	5s40	20n 0	9s32	6n38

Julian Day Number = 2311382.5, Delta T = 70.14 sec
Ecliptic obliquity = 23°29'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'04, Lahiri = 18°30'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

MAY 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 36 57	10♉50'46	1♏33	18♈ 4	3♈26	17♈49	28°R14	1♉14	6♋44	0°R42	8♉13	16°R58	15♓37	12♌ 3	16♒43	S 1
M 2	14 40 54	11°48'46	14°56	18°27	4°37	18°34	28♐11	1°22	6°46	0♎41	8°14	16♓50	15°34	12°10	16°44	M 2
T 3	14 44 50	12°46'44	28°36	18°55	5°48	19°20	28° 8	1°29	6°49	0°40	8°16	16°41	15°31	12°17	16°45	T 3
W 4	14 48 47	13°44'42	12♐31	19°26	6°58	20° 5	28° 4	1°37	6°51	0°39	8°17	16°32	15°28	12°23	16°46	W 4
T 5	14 52 43	14°42'37	26°36	20° 2	8° 9	20°50	28° 1	1°45	6°54	0°38	8°18	16°23	15°24	12°30	16°47	T 5
F 6	14 56 40	15°40'32	10♑46	20°41	9°20	21°36	27°57	1°52	6°56	0°37	8°20	16°17	15°21	12°37	16°48	F 6
S 7	15 0 36	16°38'25	24°59	21°24	10°31	22°21	27°53	2° 0	6°59	0°36	8°21	16°13	15°18	12°43	16°49	S 7
S 8	15 4 33	17°36'17	9♒11	22°11	11°42	23° 6	27°49	2° 7	7° 1	0°35	8°22	16°11	15°15	12°50	16°50	S 8
M 9	15 8 30	18°34'07	23°20	23° 1	12°53	23°51	27°45	2°15	7° 4	0°34	8°24	16°D11	15°12	12°57	16°51	M 9
T 10	15 12 26	19°31'56	7♓24	23°55	14° 4	24°36	27°40	2°22	7° 7	0°33	8°25	16°11	15° 9	13° 3	16°52	T 10
W11	15 16 23	20°29'45	21°24	24°52	15°15	25°21	27°36	2°30	7°10	0°32	8°26	16°R11	15° 5	13°10	16°52	W11
T 12	15 20 19	21°27'32	5♈17	25°52	16°26	26° 6	27°31	2°37	7°12	0°31	8°28	16°10	15° 2	13°17	16°53	T 12
F 13	15 24 16	22°25'17	19° 3	26°55	17°37	26°51	27°26	2°45	7°15	0°30	8°29	16° 6	14°59	13°23	16°54	F 13
S 14	15 28 12	23°23'02	2♉40	28° 1	18°48	27°36	27°21	2°52	7°18	0°29	8°30	16° 0	14°56	13°30	16°54	S 14
S 15	15 32 9	24°20'45	16° 6	29°10	19°59	28°21	27°16	2°59	7°21	0°28	8°32	15°51	14°53	13°37	16°55	S 15
M16	15 36 5	25°18'28	29°18	0♉22	21°11	29° 6	27°11	3° 7	7°24	0°27	8°33	15°40	14°50	13°43	16°55	M16
T 17	15 40 2	26°16'09	12♊14	1°36	22°22	29°50	27° 5	3°14	7°27	0°27	8°34	15°28	14°46	13°50	16°55	T 17
W18	15 43 59	27°13'48	24°55	2°53	23°33	0♉35	27° 0	3°21	7°30	0°26	8°36	15°16	14°43	13°57	16°56	W18
T 19	15 47 55	28°11'26	7♋19	4°13	24°44	1°20	26°54	3°28	7°32	0°25	8°37	15° 6	14°40	14° 3	16°56	T 19
F 20	15 51 52	29° 9'03	19°30	5°35	25°56	2° 4	26°48	3°36	7°35	0°24	8°38	14°57	14°37	14°10	16°56	F 20
S 21	15 55 48	0♊ 6'39	1♌29	7° 0	27° 7	2°49	26°42	3°43	7°39	0°24	8°40	14°52	14°34	14°17	16°R56	S 21
S 22	15 59 45	1° 4'12	13°21	8°28	28°19	3°33	26°36	3°50	7°42	0°23	8°41	14°48	14°30	14°23	16°56	S 22
M23	16 3 41	2° 1'45	25°10	9°58	29°30	4°17	26°30	3°57	7°45	0°23	8°42	14°47	14°27	14°30	16°56	M23
T 24	16 7 38	2°59'16	7♍ 1	11°30	0♉42	5° 2	26°23	4° 4	7°48	0°22	8°43	14°D47	14°24	14°37	16°56	T 24
W25	16 11 34	3°56'46	19° 0	13° 5	1°53	5°46	26°17	4°11	7°51	0°21	8°45	14°R47	14°21	14°43	16°55	W25
T 26	16 15 31	4°54'14	1♎12	14°42	3° 5	6°30	26°10	4°18	7°54	0°21	8°46	14°46	14°18	14°50	16°55	T 26
F 27	16 19 28	5°51'41	13°42	16°22	4°16	7°14	26° 3	4°25	7°57	0°20	8°47	14°43	14°15	14°57	16°55	F 27
S 28	16 23 24	6°49'07	26°34	18° 5	5°28	7°58	25°57	4°32	8° 0	0°20	8°48	14°38	14°11	15° 3	16°54	S 28
S 29	16 27 21	7°46'32	9♏50	19°49	6°39	8°42	25°50	4°39	8° 4	0°20	8°50	14°30	14° 8	15°10	16°54	S 29
M30	16 31 17	8°43'56	23°30	21°36	7°51	9°26	25°43	4°46	8° 7	0°19	8°51	14°20	14° 5	15°17	16°53	M30
T 31	16 35 14	9♊41'19	7♐33	23♉26	9♉ 3	10♉10	25♐36	4♉53	8♋10	0♎19	8♉52	14♓ 9	14♓ 2	15♌23	16♒53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 7	15s24	3s35	4n47	2s31	0s 8	1s39	6n15	0s49	23s 3	0n26	9n50	2s14	23n40	0n21	1n 6	1n30	0s29	15s33	5s 9	5s41	19n57	9s31	6n39
M 2	15 25	20 29	4 19	4 48	2 39	0n18	1 40	6 33	0 48	23 3	0 26	9 53	2 14	23 40	0 21	1 6	1 30	0 28	15 33	5 13	5 42	19 54	9 30	6 39
T 3	15 42	24 36	4 50	4 51	2 47	0 45	1 42	6 51	0 48	23 3	0 26	9 56	2 14	23 40	0 21	1 7	1 30	0 28	15 33	5 16	5 43	19 52	9 30	6 40
W 4	16 0	27 22	5 4	4 57	2 53	1 12	1 43	7 8	0 47	23 3	0 26	9 58	2 14	23 39	0 21	1 7	1 30	0 27	15 33	5 20	5 45	19 49	9 29	6 40
T 5	16 17	28 27	5 0	5 5	2 59	1 39	1 44	7 26	0 47	23 3	0 26	10 1	2 14	23 39	0 21	1 8	1 30	0 27	15 33	5 23	5 46	19 47	9 28	6 40
F 6	16 34	27 40	4 38	5 15	3 4	2 6	1 45	7 43	0 46	23 3	0 26	10 3	2 14	23 39	0 21	1 8	1 30	0 27	15 33	5 25	5 47	19 44	9 27	6 41
S 7	16 51	25 5	3 58	5 27	3 8	2 33	1 46	8 1	0 46	23 3	0 26	10 6	2 14	23 39	0 21	1 9	1 30	0 26	15 33	5 27	5 48	19 41	9 27	6 41
S 8	17 7	20 57	3 4	5 41	3 12	2 59	1 47	8 18	0 45	23 3	0 26	10 8	2 14	23 39	0 21	1 9	1 30	0 26	15 33	5 28	5 50	19 39	9 26	6 42
M 9	17 23	15 39	1 59	5 58	3 14	3 26	1 48	8 35	0 45	23 3	0 26	10 11	2 14	23 39	0 21	1 9	1 30	0 25	15 33	5 28	5 51	19 36	9 25	6 42
T 10	17 39	9 32	0 47	6 16	3 16	3 53	1 49	8 52	0 44	23 3	0 25	10 13	2 14	23 39	0 21	1 10	1 30	0 25	15 33	5 28	5 52	19 33	9 25	6 42
W11	17 55	3 0	0n28	6 35	3 17	4 20	1 49	9 9	0 44	23 3	0 25	10 16	2 14	23 38	0 21	1 10	1 30	0 25	15 33	5 28	5 53	19 31	9 24	6 43
T 12	18 10	3n38	1 40	6 57	3 17	4 47	1 50	9 26	0 43	23 3	0 25	10 18	2 14	23 38	0 21	1 10	1 30	0 24	15 33	5 28	5 54	19 28	9 24	6 43
F 13	18 25	10 2	2 45	7 20	3 17	5 14	1 50	9 43	0 43	23 3	0 25	10 21	2 14	23 38	0 21	1 11	1 30	0 24	15 33	5 30	5 56	19 25	9 23	6 44
S 14	18 40	15 53	3 41	7 45	3 16	5 40	1 51	9 59	0 42	23 3	0 25	10 23	2 14	23 38	0 21	1 11	1 30	0 24	15 33	5 32	5 57	19 23	9 23	6 44
S 15	18 54	20 53	4 23	8 11	3 14	6 7	1 51	10 16	0 42	23 3	0 25	10 26	2 14	23 38	0 21	1 11	1 30	0 23	15 33	5 36	5 58	19 20	9 22	6 45
M16	19 8	24 45	4 50	8 38	3 12	6 33	1 51	10 32	0 41	23 3	0 25	10 28	2 14	23 38	0 21	1 12	1 30	0 23	15 34	5 40	5 59	19 18	9 22	6 45
T 17	19 22	27 17	5 1	9 6	3 9	7 0	1 52	10 48	0 40	23 3	0 25	10 31	2 14	23 37	0 21	1 12	1 30	0 23	15 34	5 45	6 1	19 15	9 21	6 45
W18	19 35	28 21	4 58	9 36	3 5	7 26	1 52	11 5	0 40	23 3	0 25	10 33	2 14	23 37	0 21	1 12	1 30	0 22	15 34	5 49	6 2	19 12	9 21	6 46
T 19	19 48	27 57	4 40	10 7	3 1	7 52	1 52	11 21	0 39	23 3	0 25	10 36	2 15	23 37	0 21	1 12	1 30	0 22	15 34	5 53	6 3	19 9	9 20	6 46
F 20	20 1	26 11	4 9	10 39	2 56	8 18	1 51	11 37	0 39	23 2	0 25	10 38	2 15	23 37	0 21	1 13	1 30	0 22	15 34	5 56	6 4	19 7	9 20	6 47
S 21	20 13	23 15	3 28	11 12	2 50	8 44	1 51	11 52	0 38	23 2	0 25	10 40	2 15	23 37	0 21	1 13	1 30	0 21	15 34	5 59	6 5	19 4	9 19	6 47
S 22	20 25	19 23	2 39	11 46	2 44	9 10	1 51	12 8	0 38	23 2	0 25	10 43	2 15	23 37	0 21	1 13	1 30	0 21	15 34	6 0	6 7	19 1	9 19	6 47
M23	20 37	14 46	1 42	12 20	2 38	9 36	1 51	12 24	0 37	23 2	0 24	10 45	2 15	23 36	0 21	1 13	1 30	0 21	15 34	6 0	6 8	18 59	9 19	6 48
T 24	20 48	9 35	0 41	12 56	2 30	10 1	1 50	12 39	0 37	23 2	0 24	10 47	2 15	23 36	0 21	1 13	1 30	0 21	15 34	6 0	6 9	18 56	9 18	6 48
W25	20 59	4 1	0s22	13 32	2 23	10 26	1 50	12 54	0 36	23 2	0 24	10 49	2 15	23 36	0 21	1 14	1 30	0 20	15 34	6 0	6 10	18 53	9 18	6 49
T 26	21 10	1s48	1 26	14 8	2 15	10 51	1 49	13 10	0 35	23 2	0 24	10 52	2 15	23 36	0 21	1 14	1 30	0 20	15 34	6 1	6 12	18 51	9 18	6 49
F 27	21 20	7 40	2 27	14 45	2 6	11 16	1 49	13 25	0 35	23 2	0 24	10 54	2 15	23 36	0 21	1 14	1 29	0 20	15 35	6 2	6 13	18 48	9 17	6 49
S 28	21 30	13 24	3 22	15 22	1 57	11 41	1 48	13 39	0 34	23 2	0 24	10 56	2 15	23 35	0 21	1 14	1 29	0 20	15 35	6 4	6 14	18 45	9 17	6 50
S 29	21 39	18 43	4 8	16 0	1 48	12 5	1 47	13 54	0 34	23 2	0 24	10 58	2 15	23 35	0 21	1 14	1 29	0 19	15 35	6 7	6 15	18 42	9 17	6 50
M30	21 48	23 13	4 41	16 37	1 38	12 29	1 46	14 9	0 33	23 2	0 24	11 1	2 16	23 35	0 21	1 14	1 29	0 19	15 35	6 11	6 17	18 40	9 17	6 51
T 31	21n57	26s31	4s58	17n15	1s28	12n53	1s45	14n23	0s32	23s 2	0n24	11n 3	2s16	23n35	0n21	1n14	1n29	0s19	15s35	6s15	6s18	18n37	9s16	6n51

Julian Day Number = 2311412.5, Delta T = 70.06 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'08, Lahiri = 18°30'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

JUNE 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 39 10	10♊38'41	21♐53	25♉18	10♉14	10♉54	25°R29	5♉ 0	8♋14	0°R18	8♉53	13°R58	13♓59	15♌30	16°R52	W 1
T 2	16 43 7	11°36'02	6♑24	27°12	11°26	11°38	25♐22	5° 6	8°17	0♎18	8°54	13♓47	13°56	15°37	16♒51	T 2
F 3	16 47 4	12°33'22	20°59	29° 9	12°38	12°22	25°14	5°13	8°20	0°18	8°56	13°39	13°52	15°43	16°51	F 3
S 4	16 51 0	13°30'42	5♒33	1♊ 8	13°50	13° 5	25° 7	5°20	8°24	0°18	8°57	13°33	13°49	15°50	16°50	S 4
S 5	16 54 57	14°28'01	19°59	3° 9	15° 1	13°49	25° 0	5°26	8°27	0°17	8°58	13°30	13°46	15°57	16°49	S 5
M 6	16 58 53	15°25'20	4♓14	5°11	16°13	14°33	24°52	5°33	8°30	0°17	8°59	13°29	13°43	16° 3	16°48	M 6
T 7	17 2 50	16°22'39	18°17	7°16	17°25	15°16	24°45	5°39	8°34	0°17	9° 0	13°29	13°40	16°10	16°47	T 7
W 8	17 6 46	17°19'57	2♈ 7	9°23	18°37	16° 0	24°37	5°46	8°37	0°17	9° 1	13°29	13°36	16°17	16°46	W 8
T 9	17 10 43	18°17'14	15°45	11°30	19°49	16°43	24°30	5°52	8°41	0°17	9° 2	13°27	13°33	16°23	16°45	T 9
F 10	17 14 39	19°14'31	29°11	13°40	21° 1	17°26	24°22	5°58	8°44	0°17	9° 3	13°22	13°30	16°30	16°43	F 10
S 11	17 18 36	20°11'48	12♉26	15°50	22°13	18°10	24°14	6° 5	8°48	0°D17	9° 4	13°15	13°27	16°37	16°42	S 11
S 12	17 22 33	21° 9'05	25°29	18° 1	23°25	18°53	24° 7	6°11	8°51	0°17	9° 6	13° 5	13°24	16°43	16°41	S 12
M13	17 26 29	22° 6'21	8♊20	20°12	24°37	19°36	23°59	6°17	8°55	0°17	9° 7	12°53	13°21	16°50	16°39	M13
T 14	17 30 26	23° 3'37	20°59	22°24	25°49	20°19	23°51	6°23	8°58	0°17	9° 8	12°41	13°17	16°57	16°38	T 14
W15	17 34 22	24° 0'53	3♋26	24°36	27° 2	21° 2	23°44	6°29	9° 2	0°17	9° 9	12°28	13°14	17° 3	16°37	W15
T 16	17 38 19	24°58'08	15°41	26°47	28°14	21°45	23°36	6°35	9° 5	0°17	9°10	12°16	13°11	17°10	16°35	T 16
F 17	17 42 15	25°55'22	27°44	28°58	29°26	22°28	23°28	6°41	9° 9	0°18	9°11	12° 7	13° 8	17°17	16°33	F 17
S 18	17 46 12	26°52'36	9♌39	1♋ 8	0♊38	23°11	23°21	6°47	9°12	0°18	9°12	12° 0	13° 5	17°23	16°32	S 18
S 19	17 50 8	27°49'50	21°28	3°16	1°50	23°54	23°13	6°53	9°16	0°18	9°13	11°56	13° 2	17°30	16°30	S 19
M20	17 54 5	28°47'03	3♍16	5°24	3° 3	24°36	23° 6	6°59	9°20	0°18	9°14	11°55	12°58	17°37	16°28	M20
T 21	17 58 2	29°44'15	15° 6	7°30	4°15	25°19	22°58	7° 4	9°23	0°19	9°15	11°D54	12°55	17°43	16°26	T 21
W22	18 1 58	0♋41'27	27° 3	9°35	5°27	26° 2	22°50	7°10	9°27	0°19	9°15	11°R55	12°52	17°50	16°24	W22
T 23	18 5 55	1°38'38	9♎15	11°38	6°40	26°44	22°43	7°15	9°30	0°19	9°16	11°54	12°49	17°57	16°22	T 23
F 24	18 9 51	2°35'49	21°44	13°39	7°52	27°27	22°35	7°21	9°34	0°20	9°17	11°53	12°46	18° 3	16°20	F 24
S 25	18 13 48	3°33'00	4♏37	15°38	9° 4	28° 9	22°28	7°26	9°38	0°20	9°18	11°49	12°42	18°10	16°18	S 25
S 26	18 17 44	4°30'10	17°57	17°36	10°17	28°51	22°21	7°32	9°41	0°21	9°19	11°43	12°39	18°17	16°16	S 26
M27	18 21 41	5°27'20	1♐44	19°31	11°29	29°34	22°13	7°37	9°45	0°21	9°20	11°35	12°36	18°23	16°14	M27
T 28	18 25 37	6°24'30	15°58	21°25	12°42	0♊16	22° 6	7°42	9°48	0°22	9°21	11°26	12°33	18°30	16°12	T 28
W29	18 29 34	7°21'40	0♑34	23°16	13°54	0°58	21°59	7°47	9°52	0°22	9°21	11°16	12°30	18°37	16°10	W29
T 30	18 33 31	8♋18'50	15♑25	25♋ 6	15♊ 7	1♊40	21♐52	7♉52	9♋56	0♎23	9♉22	11♓ 7	12♓27	18♌43	16♒ 8	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 5	28s12	4s58	17n52	1s18	13n16	1s44	14n38	0s32	23s 1	0n23	11n 5	2s16	23n35	0n21	1n15	1n29	0s19	15s35	6s19	6s19	18n34	9s16	6n51
T 2	22 13	27 58	4 38	18 29	1 8	13 40	1 43	14 52	0 31	23 1	0 23	11 7	2 16	23 34	0 21	1 15	1 29	0 18	15 35	6 23	6 20	18 31	9 16	6 52
F 3	22 21	25 48	4 0	19 5	0 57	14 3	1 42	15 6	0 31	23 1	0 23	11 9	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 27	6 21	18 29	9 16	6 52
S 4	22 28	21 56	3 6	19 41	0 46	14 25	1 41	15 20	0 30	23 1	0 23	11 11	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 29	6 23	18 26	9 16	6 53
S 5	22 35	16 46	2 1	20 16	0 35	14 48	1 39	15 33	0 29	23 1	0 23	11 13	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 30	6 24	18 23	9 16	6 53
M 6	22 42	10 44	0 49	20 49	0 24	15 10	1 38	15 47	0 29	23 1	0 23	11 15	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 30	6 25	18 20	9 16	6 53
T 7	22 48	4 15	0n25	21 22	0 13	15 31	1 37	16 0	0 28	23 0	0 23	11 17	2 16	23 33	0 21	1 15	1 29	0 17	15 36	6 30	6 26	18 18	9 15	6 54
W 8	22 53	2n20	1 37	21 53	0 2	15 53	1 35	16 13	0 27	23 0	0 23	11 19	2 17	23 33	0 21	1 15	1 29	0 17	15 36	6 31	6 28	18 15	9 15	6 54
T 9	22 58	8 42	2 42	22 22	0n 9	16 14	1 34	16 26	0 27	23 0	0 23	11 21	2 17	23 33	0 21	1 15	1 29	0 17	15 37	6 31	6 29	18 12	9 15	6 54
F 10	23 3	14 35	3 36	22 49	0 20	16 34	1 32	16 39	0 26	23 0	0 22	11 23	2 17	23 33	0 21	1 15	1 29	0 17	15 37	6 33	6 30	18 9	9 15	6 55
S 11	23 8	19 42	4 19	23 14	0 30	16 54	1 30	16 52	0 25	23 0	0 22	11 25	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 36	6 31	18 7	9 15	6 55
S 12	23 12	23 49	4 47	23 37	0 40	17 14	1 29	17 5	0 25	22 59	0 22	11 27	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 40	6 32	18 4	9 15	6 56
M13	23 15	26 40	4 59	23 57	0 49	17 34	1 27	17 17	0 24	22 59	0 22	11 29	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 44	6 34	18 1	9 16	6 56
T 14	23 19	28 8	4 57	24 14	0 58	17 53	1 25	17 29	0 23	22 59	0 22	11 31	2 17	23 32	0 21	1 15	1 29	0 16	15 37	6 49	6 35	17 58	9 16	6 56
W15	23 21	28 8	4 41	24 29	1 7	18 11	1 23	17 41	0 23	22 59	0 22	11 33	2 18	23 31	0 21	1 15	1 29	0 16	15 38	6 54	6 36	17 55	9 16	6 57
T 16	23 24	26 44	4 12	24 42	1 14	18 29	1 21	17 53	0 22	22 59	0 22	11 35	2 18	23 31	0 21	1 14	1 29	0 16	15 38	6 58	6 37	17 53	9 16	6 57
F 17	23 26	24 7	3 31	24 51	1 22	18 47	1 19	18 5	0 21	22 58	0 21	11 36	2 18	23 31	0 21	1 14	1 29	0 16	15 38	7 2	6 39	17 50	9 16	6 57
S 18	23 27	20 29	2 42	24 57	1 28	19 4	1 17	18 16	0 21	22 58	0 21	11 38	2 18	23 31	0 21	1 14	1 29	0 16	15 38	7 4	6 40	17 47	9 16	6 58
S 19	23 28	16 3	1 46	25 1	1 34	19 21	1 15	18 28	0 20	22 58	0 21	11 40	2 18	23 31	0 21	1 14	1 29	0 16	15 39	7 6	6 41	17 44	9 16	6 58
M20	23 29	11 3	0 46	25 2	1 39	19 37	1 13	18 39	0 19	22 58	0 21	11 42	2 18	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 42	17 41	9 17	6 58
T 21	23 29	5 38	0s17	25 0	1 43	19 52	1 11	18 50	0 19	22 57	0 21	11 43	2 18	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 43	17 39	9 17	6 59
W22	23 29	0s 3	1 20	24 55	1 47	20 8	1 9	19 1	0 18	22 57	0 21	11 45	2 19	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 45	17 36	9 17	6 59
T 23	23 29	5 49	2 20	24 48	1 50	20 22	1 7	19 11	0 17	22 57	0 21	11 47	2 19	23 30	0 21	1 13	1 28	0 16	15 39	7 7	6 46	17 33	9 17	6 59
F 24	23 28	11 30	3 15	24 39	1 52	20 36	1 5	19 22	0 17	22 57	0 20	11 48	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 7	6 47	17 30	9 18	7 0
S 25	23 27	16 53	4 2	24 27	1 54	20 50	1 2	19 32	0 16	22 56	0 20	11 50	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 9	6 48	17 27	9 18	7 0
S 26	23 25	21 40	4 38	24 13	1 54	21 3	1 0	19 42	0 15	22 56	0 20	11 51	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 11	6 50	17 24	9 18	7 0
M27	23 23	25 26	4 59	23 57	1 54	21 15	0 58	19 52	0 15	22 56	0 20	11 53	2 20	23 28	0 21	1 12	1 28	0 16	15 40	7 14	6 51	17 22	9 19	7 0
T 28	23 20	27 46	5 3	23 39	1 54	21 27	0 55	20 1	0 14	22 56	0 20	11 54	2 20	23 28	0 21	1 12	1 28	0 15	15 41	7 18	6 52	17 19	9 19	7 1
W29	23 17	28 16	4 47	23 19	1 52	21 39	0 53	20 11	0 13	22 55	0 20	11 56	2 20	23 28	0 21	1 12	1 28	0 15	15 41	7 21	6 53	17 16	9 19	7 1
T 30	23n14	26s46	4s11	22n58	1n50	21n49	0s50	20n20	0s12	22s55	0n20	11n57	2s20	23n28	0n21	1n12	1n28	0s15	15s41	7s25	6s54	17n13	9s20	7n 1

Julian Day Number = 2311443.5, Delta T = 69.98 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'12, Lahiri = 18°30'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

JULY 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 37 27	9♋16'00	0♒23	26♋53	16♊19	2♊22	21°R45	7♉57	9♋59	0♎23	9♉23	11°R 0	12♓23	18♌50	16°R 5	F 1
S 2	18 41 24	10°13'10	15°18	28°39	17°32	3° 4	21♐38	8° 2	10° 3	0°24	9°24	10♓55	12°20	18°56	16♒ 3	S 2
S 3	18 45 20	11°10'20	0♓ 4	0♌22	18°45	3°46	21°31	8° 7	10° 7	0°25	9°25	10°53	12°17	19° 3	16° 0	S 3
M 4	18 49 17	12° 7'31	14°34	2° 3	19°57	4°28	21°24	8°12	10°10	0°26	9°25	10°D53	12°14	19°10	15°58	M 4
T 5	18 53 13	13° 4'42	28°46	3°43	21°10	5°10	21°17	8°17	10°14	0°26	9°26	10°53	12°11	19°16	15°56	T 5
W 6	18 57 10	14° 1'54	12♈38	5°20	22°23	5°51	21°11	8°21	10°17	0°27	9°27	10°R54	12° 8	19°23	15°53	W 6
T 7	19 1 6	14°59'06	26°11	6°55	23°36	6°33	21° 4	8°26	10°21	0°28	9°27	10°53	12° 4	19°30	15°50	T 7
F 8	19 5 3	15°56'19	9♉27	8°29	24°48	7°15	20°58	8°30	10°25	0°29	9°28	10°51	12° 1	19°36	15°48	F 8
S 9	19 9 0	16°53'32	22°27	10° 0	26° 1	7°56	20°52	8°35	10°28	0°30	9°29	10°46	11°58	19°43	15°45	S 9
S 10	19 12 56	17°50'46	5♊13	11°29	27°14	8°38	20°46	8°39	10°32	0°31	9°29	10°39	11°55	19°50	15°42	S 10
M11	19 16 53	18°48'01	17°46	12°56	28°27	9°19	20°40	8°43	10°36	0°31	9°30	10°31	11°52	19°56	15°40	M11
T 12	19 20 49	19°45'17	0♋ 9	14°21	29°40	10° 0	20°34	8°47	10°39	0°32	9°30	10°22	11°48	20° 3	15°37	T 12
W13	19 24 46	20°42'32	12°21	15°44	0♋53	10°42	20°28	8°51	10°43	0°33	9°31	10°13	11°45	20°10	15°34	W13
T 14	19 28 42	21°39'49	24°24	17° 5	2° 6	11°23	20°22	8°55	10°46	0°34	9°31	10° 5	11°42	20°16	15°31	T 14
F 15	19 32 39	22°37'05	6♌20	18°24	3°19	12° 4	20°17	8°59	10°50	0°36	9°32	9°58	11°39	20°23	15°29	F 15
S 16	19 36 36	23°34'23	18°10	19°40	4°32	12°45	20°12	9° 3	10°54	0°37	9°32	9°53	11°36	20°30	15°26	S 16
S 17	19 40 32	24°31'40	29°57	20°54	5°45	13°26	20° 6	9° 7	10°57	0°38	9°33	9°51	11°33	20°36	15°23	S 17
M18	19 44 29	25°28'58	11♍44	22° 5	6°58	14° 7	20° 1	9°10	11° 1	0°39	9°33	9°D51	11°29	20°43	15°20	M18
T 19	19 48 25	26°26'17	23°34	23°15	8°12	14°48	19°56	9°14	11° 4	0°40	9°34	9°51	11°26	20°50	15°17	T 19
W20	19 52 22	27°23'36	5♎32	24°21	9°25	15°28	19°52	9°17	11° 8	0°41	9°34	9°53	11°23	20°56	15°14	W20
T 21	19 56 18	28°20'55	17°43	25°25	10°38	16° 9	19°47	9°21	11°11	0°42	9°35	9°54	11°20	21° 3	15°11	T 21
F 22	20 0 15	29°18'15	0♏11	26°26	11°51	16°50	19°43	9°24	11°15	0°44	9°35	9°R55	11°17	21°10	15° 8	F 22
S 23	20 4 11	0♌15'36	13° 1	27°25	13° 4	17°30	19°38	9°27	11°18	0°45	9°35	9°54	11°14	21°16	15° 5	S 23
S 24	20 8 8	1°12'57	26°17	28°20	14°18	18°11	19°34	9°30	11°22	0°46	9°36	9°51	11°10	21°23	15° 2	S 24
M25	20 12 5	2°10'18	10♐ 1	29°13	15°31	18°51	19°30	9°33	11°25	0°48	9°36	9°47	11° 7	21°30	14°59	M25
T 26	20 16 1	3° 7'41	24°14	0♍ 2	16°44	19°32	19°27	9°36	11°29	0°49	9°36	9°43	11° 4	21°36	14°56	T 26
W27	20 19 58	4° 5'04	8♑52	0°48	17°58	20°12	19°23	9°39	11°32	0°50	9°37	9°37	11° 1	21°43	14°53	W27
T 28	20 23 54	5° 2'27	23°50	1°30	19°11	20°52	19°19	9°41	11°36	0°52	9°37	9°33	10°58	21°50	14°49	T 28
F 29	20 27 51	5°59'52	9♒ 0	2° 9	20°25	21°32	19°16	9°44	11°39	0°53	9°37	9°29	10°54	21°56	14°46	F 29
S 30	20 31 47	6°57'17	24°11	2°43	21°38	22°12	19°13	9°46	11°42	0°55	9°37	9°26	10°51	22° 3	14°43	S 30
S 31	20 35 44	7♌54'44	9♓14	3♍14	22♋52	22♊52	19♐10	9♉49	11♋46	0♎56	9♉38	9°D26	10♓48	22♌10	14♒40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n10	23s21	3s19	22n35	1n48	21n59	0s48	20n29	0s12	22s55	0n19	11n59	2s20	23n27	0n21	1n11	1n28	0s15	15s41	7s27	6s56	17n10	9s20	7n 1
S 2	23 6	18 23	2 12	22 11	1 44	22 9	0 46	20 38	0 11	22 54	0 19	12 0	2 20	23 27	0 21	1 11	1 28	0 16	15 42	7 29	6 57	17 7	9 21	7 2
S 3	23 1	12 22	0 58	21 45	1 41	22 18	0 43	20 47	0 10	22 54	0 19	12 2	2 21	23 27	0 21	1 11	1 28	0 16	15 42	7 30	6 58	17 5	9 21	7 2
M 4	22 56	5 47	0n20	21 19	1 36	22 26	0 41	20 55	0 10	22 54	0 19	12 3	2 21	23 27	0 21	1 10	1 28	0 16	15 42	7 30	6 59	17 2	9 22	7 2
T 5	22 51	0n57	1 34	20 51	1 31	22 34	0 38	21 4	0 9	22 54	0 19	12 4	2 21	23 26	0 21	1 10	1 28	0 16	15 42	7 30	7 0	16 59	9 22	7 2
W 6	22 45	7 29	2 42	20 22	1 26	22 41	0 36	21 12	0 8	22 53	0 19	12 6	2 21	23 26	0 21	1 10	1 28	0 16	15 43	7 30	7 2	16 56	9 23	7 3
T 7	22 39	13 31	3 38	19 52	1 20	22 47	0 33	21 20	0 7	22 53	0 18	12 7	2 21	23 26	0 21	1 9	1 28	0 16	15 43	7 30	7 3	16 53	9 23	7 3
F 8	22 32	18 48	4 22	19 22	1 14	22 53	0 30	21 27	0 7	22 53	0 18	12 8	2 22	23 26	0 21	1 9	1 28	0 16	15 43	7 31	7 4	16 50	9 24	7 3
S 9	22 25	23 6	4 51	18 51	1 7	22 58	0 28	21 35	0 6	22 53	0 18	12 9	2 22	23 25	0 21	1 9	1 28	0 16	15 43	7 33	7 5	16 47	9 24	7 3
S 10	22 18	26 13	5 5	18 20	0 59	23 3	0 25	21 42	0 5	22 52	0 18	12 10	2 22	23 25	0 21	1 8	1 28	0 16	15 44	7 35	7 7	16 44	9 25	7 4
M11	22 10	27 58	5 4	17 48	0 52	23 6	0 23	21 49	0 4	22 52	0 18	12 12	2 22	23 25	0 21	1 8	1 28	0 16	15 44	7 38	7 8	16 41	9 25	7 4
T 12	22 2	28 18	4 48	17 15	0 44	23 9	0 20	21 56	0 4	22 52	0 18	12 13	2 22	23 24	0 21	1 7	1 28	0 16	15 44	7 42	7 9	16 39	9 26	7 4
W13	21 54	27 14	4 20	16 43	0 35	23 12	0 17	22 3	0 3	22 51	0 17	12 14	2 23	23 24	0 21	1 7	1 28	0 16	15 45	7 45	7 10	16 36	9 27	7 4
T 14	21 45	24 54	3 40	16 10	0 26	23 14	0 15	22 9	0 2	22 51	0 17	12 15	2 23	23 24	0 21	1 7	1 28	0 16	15 45	7 48	7 11	16 33	9 27	7 4
F 15	21 35	21 29	2 51	15 37	0 17	23 15	0 12	22 16	0 1	22 51	0 17	12 16	2 23	23 24	0 21	1 6	1 27	0 16	15 45	7 51	7 13	16 30	9 28	7 4
S 16	21 26	17 14	1 55	15 4	0 7	23 15	0 10	22 22	0 1	22 51	0 17	12 17	2 23	23 23	0 21	1 6	1 27	0 17	15 45	7 53	7 14	16 27	9 29	7 5
S 17	21 16	12 21	0 53	14 31	0s 3	23 15	0 7	22 28	0n 0	22 51	0 17	12 18	2 24	23 23	0 21	1 5	1 27	0 17	15 46	7 54	7 15	16 24	9 29	7 5
M18	21 5	7 1	0s10	13 58	0 13	23 14	0 5	22 33	0 1	22 50	0 17	12 19	2 24	23 23	0 21	1 5	1 27	0 17	15 46	7 54	7 16	16 21	9 30	7 5
T 19	20 55	1 26	1 14	13 26	0 24	23 12	0 2	22 39	0 2	22 50	0 16	12 20	2 24	23 22	0 21	1 4	1 27	0 17	15 46	7 53	7 17	16 18	9 31	7 5
W20	20 44	4s16	2 15	12 53	0 35	23 10	0n 1	22 44	0 2	22 50	0 16	12 20	2 24	23 22	0 21	1 4	1 27	0 17	15 47	7 53	7 19	16 15	9 31	7 5
T 21	20 32	9 55	3 11	12 22	0 46	23 7	0 3	22 49	0 3	22 50	0 16	12 21	2 24	23 22	0 21	1 3	1 27	0 17	15 47	7 52	7 20	16 12	9 32	7 5
F 22	20 20	15 18	4 0	11 50	0 57	23 3	0 6	22 54	0 4	22 50	0 16	12 22	2 25	23 22	0 21	1 3	1 27	0 17	15 47	7 52	7 21	16 9	9 33	7 5
S 23	20 8	20 11	4 38	11 19	1 9	22 59	0 8	22 59	0 5	22 49	0 16	12 23	2 25	23 21	0 21	1 2	1 27	0 18	15 48	7 53	7 22	16 6	9 34	7 5
S 24	19 56	24 16	5 3	10 49	1 20	22 54	0 11	23 3	0 5	22 49	0 16	12 24	2 25	23 21	0 21	1 1	1 27	0 18	15 48	7 53	7 23	16 4	9 35	7 5
M25	19 43	27 8	5 11	10 20	1 32	22 48	0 13	23 8	0 6	22 49	0 15	12 24	2 25	23 21	0 21	1 1	1 27	0 18	15 48	7 55	7 25	16 1	9 35	7 5
T 26	19 30	28 23	5 1	9 52	1 44	22 42	0 16	23 12	0 7	22 49	0 15	12 25	2 26	23 20	0 21	1 0	1 27	0 18	15 48	7 57	7 26	15 58	9 36	7 6
W27	19 17	27 43	4 32	9 24	1 56	22 35	0 18	23 15	0 8	22 49	0 15	12 26	2 26	23 20	0 21	1 0	1 27	0 18	15 49	7 59	7 27	15 55	9 37	7 6
T 28	19 3	25 3	3 43	8 58	2 8	22 27	0 21	23 19	0 9	22 49	0 15	12 26	2 26	23 20	0 21	0 59	1 27	0 19	15 49	8 1	7 28	15 52	9 38	7 6
F 29	18 49	20 36	2 39	8 33	2 21	22 19	0 23	23 23	0 9	22 49	0 15	12 27	2 26	23 20	0 21	0 59	1 27	0 19	15 49	8 2	7 30	15 49	9 39	7 6
S 30	18 34	14 47	1 23	8 9	2 33	22 10	0 25	23 26	0 10	22 49	0 15	12 27	2 27	23 19	0 21	0 58	1 27	0 19	15 50	8 3	7 31	15 46	9 40	7 6
S 31	18n20	8s 9	0s 1	7n47	2s45	22n 0	0n28	23n29	0n11	22s49	0n14	12n28	2s27	23n19	0n21	0n57	1n27	0s19	15s50	8s 3	7s32	15n43	9s40	7n 6

Julian Day Number = 2311473.5, Delta T = 69.90 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'16, Lahiri = 18°30'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

AUGUST 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 39 40	8♌52'11	24♓ 1	3♍40	24♋ 5	23♊32	19°R 7	9♉51	11♋49	0♎58	9♉38	9♓26	10♓45	22♌16	14°R37	M 1
T 2	20 43 37	9°49'40	8♈27	4° 2	25°19	24°12	19♐ 5	9°53	11°52	0°59	9°38	9°28	10°42	22°23	14♒34	T 2
W 3	20 47 34	10°47'11	22°29	4°20	26°33	24°52	19° 3	9°55	11°56	1° 1	9°38	9°29	10°39	22°29	14°30	W 3
T 4	20 51 30	11°44'42	6♉ 7	4°32	27°46	25°32	19° 0	9°57	11°59	1° 2	9°38	9°R30	10°35	22°36	14°27	T 4
F 5	20 55 27	12°42'16	19°21	4°39	29° 0	26°11	18°58	9°59	12° 2	1° 4	9°38	9°30	10°32	22°43	14°24	F 5
S 6	20 59 23	13°39'50	2♊16	4°R41	0♌14	26°51	18°56	10° 1	12° 5	1° 6	9°38	9°29	10°29	22°49	14°21	S 6
S 7	21 3 20	14°37'27	14°52	4°38	1°27	27°30	18°55	10° 3	12° 9	1° 7	9°38	9°26	10°26	22°56	14°18	S 7
M 8	21 7 16	15°35'04	27°14	4°29	2°41	28°10	18°53	10° 4	12°12	1° 9	9°38	9°23	10°23	23° 3	14°15	M 8
T 9	21 11 13	16°32'43	9♋25	4°15	3°55	28°49	18°52	10° 6	12°15	1°11	9°R38	9°19	10°20	23° 9	14°11	T 9
W10	21 15 9	17°30'24	21°26	3°55	5° 9	29°28	18°51	10° 7	12°18	1°12	9°38	9°16	10°16	23°16	14° 8	W10
T 11	21 19 6	18°28'06	3♌20	3°30	6°23	0♋ 8	18°50	10° 8	12°21	1°14	9°38	9°13	10°13	23°23	14° 5	T 11
F 12	21 23 3	19°25'49	15°10	2°59	7°37	0°47	18°49	10° 9	12°24	1°16	9°38	9°10	10°10	23°29	14° 2	F 12
S 13	21 26 59	20°23'34	26°57	2°23	8°51	1°26	18°49	10°10	12°27	1°17	9°38	9° 9	10° 7	23°36	13°59	S 13
S 14	21 30 56	21°21'20	8♍45	1°43	10° 5	2° 5	18°48	10°11	12°30	1°19	9°38	9°D 8	10° 4	23°43	13°56	S 14
M15	21 34 52	22°19'07	20°34	0°58	11°19	2°44	18°D48	10°12	12°33	1°21	9°38	9° 9	10° 0	23°49	13°52	M15
T 16	21 38 49	23°16'55	2♎29	0°10	12°33	3°23	18°48	10°13	12°36	1°23	9°38	9°10	9°57	23°56	13°49	T 16
W17	21 42 45	24°14'45	14°31	29♌18	13°47	4° 1	18°49	10°13	12°39	1°25	9°38	9°11	9°54	24° 3	13°46	W17
T 18	21 46 42	25°12'36	26°45	28°25	15° 1	4°40	18°49	10°14	12°42	1°27	9°38	9°12	9°51	24° 9	13°43	T 18
F 19	21 50 38	26°10'29	9♏14	27°31	16°15	5°18	18°50	10°14	12°45	1°29	9°37	9°13	9°48	24°16	13°40	F 19
S 20	21 54 35	27° 8'22	22° 3	26°37	17°29	5°57	18°50	10°15	12°48	1°30	9°37	9°R14	9°45	24°23	13°37	S 20
S 21	21 58 32	28° 6'17	5♐14	25°45	18°43	6°35	18°51	10°15	12°51	1°32	9°37	9°14	9°41	24°29	13°34	S 21
M22	22 2 28	29° 4'14	18°50	24°54	19°57	7°14	18°53	10°R15	12°54	1°34	9°37	9°13	9°38	24°36	13°31	M22
T 23	22 6 25	0♑ 2'12	2♑53	24° 7	21°12	7°52	18°54	10°15	12°56	1°36	9°36	9°12	9°35	24°42	13°28	T 23
W24	22 10 21	1° 0'11	17°21	23°25	22°26	8°30	18°55	10°15	12°59	1°38	9°36	9°11	9°32	24°49	13°25	W24
T 25	22 14 18	1°58'11	2♒11	22°48	23°40	9° 8	18°57	10°15	13° 2	1°40	9°36	9°10	9°29	24°56	13°22	T 25
F 26	22 18 14	2°56'13	17°16	22°18	24°54	9°46	18°59	10°14	13° 4	1°42	9°35	9°10	9°25	25° 2	13°19	F 26
S 27	22 22 11	3°54'16	2♓28	21°54	26° 9	10°24	19° 1	10°14	13° 7	1°44	9°35	9°D10	9°22	25° 9	13°16	S 27
S 28	22 26 7	4°52'21	17°37	21°39	27°23	11° 2	19° 3	10°13	13°10	1°46	9°35	9°10	9°19	25°16	13°13	S 28
M29	22 30 4	5°50'28	2♈35	21°D31	28°37	11°40	19° 6	10°13	13°12	1°48	9°34	9°10	9°16	25°22	13°10	M29
T 30	22 34 1	6°48'36	17°13	21°33	29°52	12°17	19° 9	10°12	13°15	1°50	9°34	9°10	9°13	25°29	13° 7	T 30
W31	22 37 57	7♍46'47	1♉27	21♌43	1♍ 6	12♋55	19♐11	10♉11	13♋17	1♎52	9♉33	9♓10	9♓10	25♌36	13♒ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n 5	1s10	1n19	7n26	2s57	21n50	0n30	23n32	0n12	22s49	0n14	12n28	2s27	23n19	0n21	0n57	1n27	0s20	15s50	8s 3	7s33	15n40	9s41	7n 6
T 2	17 50	5n41	2 32	7 7	3 9	21 39	0 32	23 34	0 13	22 48	0 14	12 29	2 27	23 19	0 21	0 56	1 27	0 20	15 51	8 2	7 34	15 37	9 42	7 6
W 3	17 34	12 5	3 35	6 50	3 20	21 27	0 35	23 37	0 13	22 48	0 14	12 29	2 28	23 18	0 21	0 55	1 27	0 20	15 51	8 2	7 36	15 34	9 43	7 6
T 4	17 18	17 43	4 23	6 35	3 31	21 15	0 37	23 39	0 14	22 48	0 14	12 30	2 28	23 18	0 21	0 55	1 27	0 20	15 51	8 1	7 37	15 31	9 44	7 6
F 5	17 2	22 20	4 55	6 23	3 42	21 2	0 39	23 41	0 15	22 48	0 14	12 30	2 28	23 18	0 21	0 54	1 27	0 21	15 51	8 2	7 38	15 28	9 45	7 6
S 6	16 46	25 45	5 12	6 12	3 53	20 49	0 41	23 43	0 16	22 48	0 13	12 30	2 28	23 17	0 21	0 53	1 27	0 21	15 52	8 2	7 39	15 25	9 46	7 6
S 7	16 29	27 49	5 13	6 4	4 2	20 35	0 43	23 45	0 17	22 48	0 13	12 31	2 28	23 17	0 21	0 53	1 27	0 21	15 52	8 3	7 40	15 22	9 47	7 6
M 8	16 12	28 27	4 59	5 59	4 11	20 20	0 45	23 46	0 17	22 48	0 13	12 31	2 29	23 17	0 21	0 52	1 27	0 21	15 52	8 4	7 42	15 19	9 48	7 6
T 9	15 55	27 41	4 32	5 57	4 19	20 5	0 47	23 47	0 18	22 49	0 13	12 31	2 29	23 17	0 21	0 51	1 27	0 22	15 53	8 5	7 43	15 16	9 49	7 6
W10	15 37	25 37	3 54	5 57	4 26	19 49	0 49	23 48	0 19	22 49	0 13	12 31	2 29	23 16	0 21	0 51	1 27	0 22	15 53	8 7	7 44	15 13	9 50	7 5
T 11	15 20	22 27	3 5	6 1	4 32	19 33	0 51	23 49	0 20	22 49	0 13	12 31	2 29	23 16	0 21	0 50	1 27	0 22	15 53	8 8	7 45	15 10	9 51	7 5
F 12	15 2	18 22	2 9	6 8	4 37	19 16	0 53	23 50	0 21	22 49	0 12	12 32	2 30	23 16	0 21	0 49	1 27	0 23	15 54	8 9	7 46	15 7	9 52	7 5
S 13	14 43	13 36	1 7	6 17	4 40	18 58	0 55	23 51	0 22	22 49	0 12	12 32	2 30	23 16	0 21	0 48	1 27	0 23	15 54	8 9	7 48	15 4	9 53	7 5
S 14	14 25	8 21	0 2	6 30	4 42	18 40	0 57	23 51	0 22	22 49	0 12	12 32	2 30	23 15	0 21	0 48	1 27	0 23	15 54	8 10	7 49	15 1	9 53	7 5
M15	14 6	2 47	1s 3	6 46	4 42	18 22	0 59	23 51	0 23	22 49	0 12	12 32	2 30	23 15	0 21	0 47	1 26	0 24	15 54	8 10	7 50	14 58	9 54	7 5
T 16	13 47	2s55	2 6	7 4	4 40	18 3	1 0	23 51	0 24	22 49	0 12	12 32	2 31	23 15	0 21	0 46	1 26	0 24	15 55	8 9	7 51	14 55	9 55	7 5
W17	13 28	8 33	3 4	7 26	4 36	17 43	1 2	23 51	0 25	22 50	0 12	12 32	2 31	23 14	0 21	0 45	1 26	0 24	15 55	8 9	7 52	14 52	9 56	7 5
T 18	13 9	13 58	3 54	7 49	4 30	17 23	1 4	23 50	0 26	22 50	0 11	12 32	2 31	23 14	0 21	0 45	1 26	0 25	15 55	8 8	7 54	14 49	9 57	7 5
F 19	12 49	18 57	4 35	8 15	4 23	17 2	1 5	23 50	0 27	22 50	0 11	12 31	2 31	23 14	0 21	0 44	1 26	0 25	15 56	8 8	7 55	14 46	9 58	7 4
S 20	12 29	23 12	5 3	8 42	4 13	16 41	1 7	23 49	0 27	22 50	0 11	12 31	2 32	23 14	0 21	0 43	1 26	0 25	15 56	8 8	7 56	14 43	9 59	7 4
S 21	12 9	26 24	5 16	9 10	4 2	16 20	1 8	23 48	0 28	22 50	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26	15 56	8 8	7 57	14 40	10 0	7 4
M22	11 49	28 13	5 13	9 39	3 49	15 58	1 10	23 47	0 29	22 51	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26	15 57	8 8	7 58	14 37	10 1	7 4
T 23	11 29	28 18	4 51	10 8	3 35	15 35	1 11	23 45	0 30	22 51	0 11	12 31	2 32	23 13	0 21	0 41	1 26	0 26	15 57	8 8	8 0	14 34	10 2	7 4
W24	11 8	26 29	4 10	10 37	3 19	15 12	1 12	23 44	0 31	22 51	0 11	12 30	2 33	23 13	0 21	0 40	1 26	0 27	15 57	8 9	8 1	14 31	10 3	7 4
T 25	10 48	22 49	3 11	11 5	3 2	14 49	1 13	23 42	0 32	22 52	0 10	12 30	2 33	23 12	0 21	0 39	1 26	0 27	15 57	8 9	8 2	14 28	10 4	7 3
F 26	10 27	17 35	1 59	11 31	2 44	14 25	1 15	23 40	0 33	22 52	0 10	12 30	2 33	23 12	0 22	0 38	1 26	0 27	15 58	8 9	8 3	14 25	10 5	7 3
S 27	10 6	11 12	0 37	11 56	2 26	14 1	1 16	23 38	0 33	22 52	0 10	12 29	2 33	23 12	0 22	0 38	1 26	0 28	15 58	8 9	8 4	14 22	10 6	7 3
S 28	9 45	4 11	0n47	12 19	2 7	13 36	1 17	23 36	0 34	22 53	0 10	12 29	2 34	23 12	0 22	0 37	1 26	0 28	15 58	8 9	8 6	14 18	10 7	7 3
M29	9 23	2n58	2 7	12 39	1 48	13 12	1 18	23 34	0 35	22 53	0 10	12 29	2 34	23 12	0 22	0 36	1 26	0 28	15 59	8 9	8 7	14 15	10 8	7 3
T 30	9 2	9 48	3 16	12 56	1 29	12 46	1 19	23 31	0 36	22 53	0 10	12 28	2 34	23 11	0 22	0 35	1 26	0 29	15 59	8 9	8 8	14 12	10 9	7 2
W31	8n40	15n56	4n12	13n11	1s11	12n21	1n20	23n29	0n37	22s54	0n 9	12n28	2s34	23n11	0n22	0n34	1n26	0s29	15s59	8s 9	8s 9	14n 9	10s10	7n 2

Julian Day Number = 2311504.5, Delta T = 69.81 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'20, Lahiri = 18°30'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

SEPTEMBER 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 41 54	8♍44'59	15♉14	22♌ 2	2♍21	13♋33	19♐14	10°R10	13♋20	1♎54	9°R33	9°R10	9♓ 6	25♌42	13°R 2	T 1
F 2	22 45 50	9°43'14	28°35	22°29	3°35	14°10	19°18	10♉ 9	13°22	1°57	9♉33	9♓10	9° 3	25°49	12♒59	F 2
S 3	22 49 47	10°41'31	11♊31	23° 5	4°50	14°47	19°21	10° 8	13°24	1°59	9°32	9°D10	9° 0	25°56	12°56	S 3
S 4	22 53 43	11°39'50	24° 6	23°50	6° 4	15°25	19°24	10° 6	13°27	2° 1	9°32	9°10	8°57	26° 2	12°54	S 4
M 5	22 57 40	12°38'11	6♋23	24°42	7°19	16° 2	19°28	10° 5	13°29	2° 3	9°31	9°10	8°54	26° 9	12°51	M 5
T 6	23 1 36	13°36'34	18°27	25°42	8°33	16°39	19°32	10° 3	13°31	2° 5	9°30	9°11	8°51	26°16	12°49	T 6
W 7	23 5 33	14°34'59	0♌22	26°49	9°48	17°16	19°36	10° 2	13°33	2° 7	9°30	9°11	8°47	26°22	12°46	W 7
T 8	23 9 30	15°33'27	12°11	28° 2	11° 2	17°53	19°40	10° 0	13°35	2° 9	9°29	9°12	8°44	26°29	12°44	T 8
F 9	23 13 26	16°31'56	23°58	29°22	12°17	18°29	19°45	9°58	13°37	2°12	9°29	9°13	8°41	26°36	12°41	F 9
S 10	23 17 23	17°30'27	5♍46	0♍46	13°32	19° 6	19°49	9°56	13°40	2°14	9°28	9°R13	8°38	26°42	12°39	S 10
S 11	23 21 19	18°29'00	17°37	2°16	14°46	19°43	19°54	9°54	13°42	2°16	9°27	9°13	8°35	26°49	12°36	S 11
M12	23 25 16	19°27'35	29°34	3°50	16° 1	20°19	19°59	9°52	13°44	2°18	9°27	9°12	8°31	26°55	12°34	M12
T 13	23 29 12	20°26'12	11♎38	5°27	17°16	20°56	20° 4	9°50	13°45	2°20	9°26	9°11	8°28	27° 2	12°32	T 13
W14	23 33 9	21°24'51	23°51	7° 7	18°31	21°32	20° 9	9°48	13°47	2°22	9°25	9° 9	8°25	27° 9	12°29	W14
T 15	23 37 5	22°23'32	6♏15	8°50	19°45	22° 8	20°15	9°45	13°49	2°25	9°25	9° 8	8°22	27°15	12°27	T 15
F 16	23 41 2	23°22'14	18°53	10°35	21° 0	22°44	20°20	9°43	13°51	2°27	9°24	9° 6	8°19	27°22	12°25	F 16
S 17	23 44 58	24°20'59	1♐47	12°21	22°15	23°20	20°26	9°40	13°53	2°29	9°23	9° 4	8°16	27°29	12°23	S 17
S 18	23 48 55	25°19'45	14°58	14° 9	23°30	23°56	20°32	9°38	13°54	2°31	9°22	9° 3	8°12	27°35	12°21	S 18
M19	23 52 52	26°18'32	28°28	15°58	24°45	24°32	20°38	9°35	13°56	2°33	9°22	9°D 3	8° 9	27°42	12°19	M19
T 20	23 56 48	27°17'22	12♑20	17°47	25°59	25° 8	20°44	9°32	13°58	2°36	9°21	9° 3	8° 6	27°49	12°17	T 20
W21	0 0 45	28°16'13	26°32	19°36	27°14	25°43	20°50	9°29	13°59	2°38	9°20	9° 4	8° 3	27°55	12°15	W21
T 22	0 4 41	29°15'06	11♒ 3	21°26	28°29	26°19	20°57	9°26	14° 1	2°40	9°19	9° 6	8° 0	28° 2	12°13	T 22
F 23	0 8 38	0♎14'01	25°50	23°15	29°44	26°54	21° 3	9°23	14° 2	2°42	9°18	9° 7	7°57	28° 9	12°12	F 23
S 24	0 12 34	1°12'57	10♓47	25° 5	0♎59	27°29	21°10	9°20	14° 3	2°45	9°18	9°R 7	7°53	28°15	12°10	S 24
S 25	0 16 31	2°11'56	25°47	26°53	2°14	28° 4	21°17	9°16	14° 5	2°47	9°17	9° 7	7°50	28°22	12° 8	S 25
M26	0 20 27	3°10'56	10♈41	28°42	3°29	28°39	21°24	9°13	14° 6	2°49	9°16	9° 5	7°47	28°29	12° 7	M26
T 27	0 24 24	4° 9'59	25°21	0♎30	4°43	29°14	21°32	9°10	14° 7	2°51	9°15	9° 2	7°44	28°35	12° 5	T 27
W28	0 28 21	5° 9'03	9♉41	2°17	5°58	29°49	21°39	9° 6	14° 9	2°54	9°14	8°58	7°41	28°42	12° 4	W28
T 29	0 32 17	6° 8'10	23°35	4° 4	7°13	0♌24	21°46	9° 2	14°10	2°56	9°13	8°54	7°37	28°48	12° 2	T 29
F 30	0 36 14	7♎ 7'20	7♊ 2	5♎50	8♎28	0♌59	21♐54	8♉59	14♋11	2♎58	9♉12	8♓51	7♓34	28♌55	12♒ 1	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n18	21n 4	4n51	13n22	0s53	11n55	1n20	23n26	0n38	22s54	0n 9	12n27	2s35	23n11	0n22	0n33	1n26	0s30	15s59	8s 9	8s10	14n 6	10s11	7n 2
F 2	7 56	24 58	5 12	13 30	0 35	11 28	1 21	23 23	0 39	22 54	0 9	12 27	2 35	23 11	0 22	0 33	1 26	0 30	16 0	8 9	8 12	14 3	10 12	7 2
S 3	7 34	27 27	5 18	13 34	0 18	11 2	1 22	23 20	0 40	22 55	0 9	12 26	2 35	23 10	0 22	0 32	1 26	0 30	16 0	8 9	8 13	14 0	10 13	7 1
S 4	7 12	28 28	5 7	13 35	0 2	10 35	1 22	23 16	0 40	22 55	0 9	12 25	2 35	23 10	0 22	0 31	1 26	0 31	16 0	8 9	8 14	13 57	10 14	7 1
M 5	6 50	28 3	4 43	13 31	0n13	10 8	1 23	23 13	0 41	22 56	0 9	12 25	2 35	23 10	0 22	0 30	1 26	0 31	16 0	8 9	8 15	13 54	10 15	7 1
T 6	6 28	26 17	4 6	13 25	0 27	9 40	1 23	23 9	0 42	22 56	0 9	12 24	2 36	23 10	0 22	0 29	1 26	0 32	16 1	8 9	8 16	13 51	10 16	7 0
W 7	6 5	23 22	3 20	13 14	0 40	9 12	1 24	23 5	0 43	22 57	0 8	12 23	2 36	23 10	0 22	0 28	1 26	0 32	16 1	8 8	8 18	13 48	10 17	7 0
T 8	5 42	19 30	2 25	13 0	0 52	8 44	1 24	23 1	0 44	22 57	0 8	12 23	2 36	23 9	0 22	0 27	1 26	0 32	16 1	8 8	8 19	13 45	10 18	7 0
F 9	5 20	14 53	1 24	12 42	1 3	8 16	1 25	22 57	0 45	22 58	0 8	12 22	2 36	23 9	0 22	0 27	1 26	0 33	16 1	8 8	8 20	13 42	10 19	7 0
S 10	4 57	9 43	0 19	12 21	1 13	7 48	1 25	22 53	0 46	22 58	0 8	12 21	2 37	23 9	0 22	0 26	1 26	0 33	16 2	8 8	8 21	13 39	10 20	6 59
S 11	4 34	4 11	0s46	11 57	1 21	7 19	1 25	22 49	0 47	22 59	0 8	12 20	2 37	23 9	0 22	0 25	1 26	0 34	16 2	8 8	8 22	13 35	10 21	6 59
M12	4 11	1s31	1 51	11 30	1 28	6 50	1 25	22 44	0 48	22 59	0 8	12 19	2 37	23 9	0 22	0 24	1 26	0 34	16 2	8 8	8 23	13 32	10 22	6 59
T 13	3 48	7 13	2 50	11 0	1 35	6 21	1 25	22 40	0 49	23 0	0 8	12 18	2 37	23 9	0 22	0 23	1 26	0 35	16 2	8 9	8 25	13 29	10 23	6 58
W14	3 25	12 43	3 43	10 28	1 40	5 51	1 25	22 35	0 50	23 0	0 7	12 18	2 37	23 8	0 22	0 22	1 26	0 35	16 3	8 9	8 26	13 26	10 24	6 58
T 15	3 1	17 49	4 26	9 53	1 44	5 22	1 25	22 30	0 51	23 1	0 7	12 17	2 38	23 8	0 22	0 21	1 26	0 35	16 3	8 10	8 27	13 23	10 25	6 58
F 16	2 38	22 14	4 57	9 16	1 47	4 52	1 25	22 25	0 52	23 1	0 7	12 16	2 38	23 8	0 22	0 20	1 26	0 36	16 3	8 11	8 28	13 20	10 26	6 57
S 17	2 15	25 41	5 14	8 38	1 50	4 23	1 25	22 20	0 52	23 2	0 7	12 15	2 38	23 8	0 22	0 20	1 26	0 36	16 3	8 11	8 29	13 17	10 27	6 57
S 18	1 52	27 51	5 15	7 57	1 51	3 53	1 24	22 15	0 53	23 2	0 7	12 14	2 38	23 8	0 22	0 19	1 26	0 37	16 3	8 12	8 31	13 14	10 28	6 56
M19	1 28	28 27	4 58	7 16	1 51	3 23	1 24	22 9	0 54	23 3	0 7	12 13	2 38	23 8	0 22	0 18	1 26	0 37	16 4	8 12	8 32	13 11	10 29	6 56
T 20	1 5	27 19	4 25	6 33	1 51	2 52	1 24	22 4	0 55	23 3	0 7	12 12	2 38	23 8	0 22	0 17	1 26	0 38	16 4	8 11	8 33	13 7	10 30	6 56
W21	0 41	24 24	3 34	5 49	1 50	2 22	1 23	21 58	0 56	23 4	0 6	12 10	2 39	23 7	0 22	0 16	1 26	0 38	16 4	8 11	8 34	13 4	10 30	6 55
T 22	0 18	19 53	2 29	5 4	1 49	1 52	1 23	21 52	0 57	23 5	0 6	12 9	2 39	23 7	0 22	0 15	1 26	0 38	16 4	8 11	8 35	13 1	10 31	6 55
F 23	0s 6	14 4	1 13	4 19	1 47	1 22	1 22	21 47	0 58	23 5	0 6	12 8	2 39	23 7	0 22	0 14	1 26	0 39	16 4	8 10	8 37	12 58	10 32	6 55
S 24	0 29	7 24	0n 9	3 33	1 44	0 51	1 21	21 41	0 59	23 6	0 6	12 7	2 39	23 7	0 22	0 13	1 26	0 39	16 5	8 10	8 38	12 55	10 33	6 54
S 25	0 53	0 18	1 31	2 47	1 41	0 21	1 21	21 34	1 0	23 6	0 6	12 6	2 39	23 7	0 22	0 13	1 26	0 40	16 5	8 10	8 39	12 52	10 34	6 54
M26	1 16	6n46	2 45	2 1	1 37	0s10	1 20	21 28	1 1	23 7	0 6	12 5	2 39	23 7	0 22	0 12	1 26	0 40	16 5	8 11	8 40	12 49	10 35	6 53
T 27	1 40	13 21	3 48	1 14	1 33	0 41	1 19	21 22	1 2	23 8	0 6	12 3	2 40	23 7	0 22	0 11	1 26	0 41	16 5	8 12	8 41	12 46	10 36	6 53
W28	2 3	19 4	4 34	0 27	1 29	1 11	1 18	21 16	1 3	23 8	0 6	12 2	2 40	23 7	0 22	0 10	1 26	0 41	16 5	8 14	8 43	12 42	10 36	6 53
T 29	2 27	23 35	5 3	0s20	1 24	1 42	1 17	21 9	1 4	23 9	0 5	12 1	2 40	23 6	0 22	0 9	1 26	0 41	16 6	8 15	8 44	12 39	10 37	6 52
F 30	2s50	26n41	5n14	1s 6	1n19	2s12	1n16	21n 3	1n 5	23s 9	0n 5	12n 0	2s40	23n 6	0n22	0n 8	1n26	0s42	16s 6	8s16	8s45	12n36	10s38	6n52

Julian Day Number = 2311535.5, Delta T = 69.73 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'25, Lahiri = 18°30'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

OCTOBER 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 40 10	8♎ 6'31	20♊ 3	7♎35	9♎43	1♌33	22♐ 2	8°R55	14♋12	3♎ 0	9°R11	8°R48	7♓31	29♌ 2	11°R59	S 1
S 2	0 44 7	9° 5'45	2♋41	9°19	10°58	2° 7	22°10	8♉51	14°13	3° 2	9♉10	8♓46	7°28	29° 8	11♒58	S 2
M 3	0 48 3	10° 5'02	14°59	11° 3	12°13	2°42	22°18	8°47	14°14	3° 5	9° 9	8°D46	7°25	29°15	11°57	M 3
T 4	0 52 0	11° 4'20	27° 1	12°46	13°28	3°16	22°26	8°43	14°15	3° 7	9° 9	8°47	7°22	29°22	11°56	T 4
W 5	0 55 56	12° 3'41	8♌54	14°28	14°43	3°50	22°34	8°39	14°16	3° 9	9° 8	8°49	7°18	29°28	11°55	W 5
T 6	0 59 53	13° 3'05	20°42	16°10	15°58	4°24	22°43	8°35	14°16	3°11	9° 7	8°51	7°15	29°35	11°54	T 6
F 7	1 3 50	14° 2'30	2♍29	17°50	17°13	4°57	22°52	8°31	14°17	3°14	9° 6	8°52	7°12	29°42	11°53	F 7
S 8	1 7 46	15° 1'58	14°19	19°30	18°28	5°31	23° 0	8°27	14°18	3°16	9° 5	8°R52	7° 9	29°48	11°52	S 8
S 9	1 11 43	16° 1'28	26°17	21°10	19°43	6° 4	23° 9	8°23	14°18	3°18	9° 4	8°51	7° 6	29°55	11°51	S 9
M10	1 15 39	17° 1'00	8♎23	22°48	20°58	6°38	23°18	8°18	14°19	3°20	9° 2	8°47	7° 2	0♍ 2	11°50	M10
T 11	1 19 36	18° 0'34	20°41	24°26	22°13	7°11	23°27	8°14	14°19	3°22	9° 1	8°42	6°59	0° 8	11°50	T 11
W12	1 23 32	19° 0'10	3♏11	26° 4	23°29	7°44	23°36	8°10	14°20	3°25	9° 0	8°35	6°56	0°15	11°49	W12
T 13	1 27 29	19°59'48	15°54	27°40	24°44	8°17	23°46	8° 5	14°20	3°27	8°59	8°28	6°53	0°21	11°48	T 13
F 14	1 31 25	20°59'28	28°49	29°16	25°59	8°50	23°55	8° 1	14°21	3°29	8°58	8°20	6°50	0°28	11°48	F 14
S 15	1 35 22	21°59'10	11♐57	0♏52	27°14	9°22	24° 5	7°56	14°21	3°31	8°57	8°13	6°47	0°35	11°47	S 15
S 16	1 39 19	22°58'54	25°18	2°26	28°29	9°55	24°15	7°51	14°21	3°33	8°56	8° 8	6°43	0°41	11°47	S 16
M17	1 43 15	23°58'39	8♑52	4° 1	29°44	10°27	24°24	7°47	14°21	3°35	8°55	8° 5	6°40	0°48	11°47	M17
T 18	1 47 12	24°58'27	22°39	5°34	0♏59	10°59	24°34	7°42	14°22	3°37	8°54	8°D 4	6°37	0°55	11°47	T 18
W19	1 51 8	25°58'16	6♒39	7° 7	2°14	11°31	24°44	7°37	14°22	3°39	8°53	8° 5	6°34	1° 1	11°46	W19
T 20	1 55 5	26°58'06	20°52	8°40	3°29	12° 3	24°54	7°33	14°R22	3°42	8°52	8° 6	6°31	1° 8	11°46	T 20
F 21	1 59 1	27°57'58	5♓16	10°12	4°44	12°34	25° 5	7°28	14°22	3°44	8°51	8°R 6	6°28	1°15	11°D46	F 21
S 22	2 2 58	28°57'52	19°49	11°44	6° 0	13° 6	25°15	7°23	14°22	3°46	8°50	8° 6	6°24	1°21	11°46	S 22
S 23	2 6 54	29°57'48	4♈26	13°15	7°15	13°37	25°25	7°18	14°21	3°48	8°48	8° 3	6°21	1°28	11°46	S 23
M24	2 10 51	0♏57'45	19° 1	14°45	8°30	14° 8	25°36	7°14	14°21	3°50	8°47	7°58	6°18	1°35	11°47	M24
T 25	2 14 48	1°57'44	3♉28	16°15	9°45	14°39	25°47	7° 9	14°21	3°52	8°46	7°51	6°15	1°41	11°47	T 25
W26	2 18 44	2°57'45	17°40	17°45	11° 0	15°10	25°57	7° 4	14°21	3°54	8°45	7°42	6°12	1°48	11°47	W26
T 27	2 22 41	3°57'49	1♊31	19°14	12°15	15°41	26° 8	6°59	14°20	3°56	8°44	7°32	6° 8	1°55	11°47	T 27
F 28	2 26 37	4°57'54	14°59	20°42	13°30	16°11	26°19	6°54	14°20	3°58	8°43	7°23	6° 5	2° 1	11°48	F 28
S 29	2 30 34	5°58'01	28° 2	22°10	14°45	16°42	26°30	6°49	14°19	4° 0	8°42	7°15	6° 2	2° 8	11°48	S 29
S 30	2 34 30	6°58'11	10♋42	23°37	16° 1	17°12	26°41	6°44	14°19	4° 2	8°41	7° 9	5°59	2°14	11°49	S 30
M31	2 38 27	7♏58'22	23♋ 2	25♏ 4	17♏16	17♌42	26♐53	6♉40	14♋18	4♎ 4	8♉40	7♓ 6	5♓56	2♍21	11♒50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s13	28n14	5n 8	1s53	1n14	2s43	1n15	20n56	1n 6	23s10	0n 5	11n58	2s40	23n 6	0n22	0n 7	1n26	0s42	16s 6	8s17	8s46	12n33	10s39	6n51
S 2	3 37	28 15	4 47	2 39	1 8	3 13	1 14	20 49	1 7	23 10	0 5	11 57	2 40	23 6	0 22	0 6	1 26	0 43	16 6	8 18	8 47	12 30	10 39	6 51
M 3	4 0	26 51	4 13	3 25	1 3	3 44	1 13	20 42	1 8	23 11	0 5	11 56	2 40	23 6	0 23	0 5	1 26	0 43	16 6	8 18	8 48	12 27	10 40	6 50
T 4	4 23	24 13	3 29	4 11	0 57	4 14	1 11	20 36	1 9	23 12	0 5	11 54	2 41	23 6	0 23	0 5	1 26	0 44	16 6	8 18	8 50	12 24	10 41	6 50
W 5	4 47	20 35	2 37	4 56	0 51	4 44	1 10	20 29	1 10	23 12	0 5	11 53	2 41	23 6	0 23	0 4	1 26	0 44	16 6	8 17	8 51	12 20	10 42	6 49
T 6	5 10	16 10	1 38	5 41	0 44	5 15	1 9	20 22	1 11	23 13	0 5	11 51	2 41	23 6	0 23	0 3	1 26	0 44	16 7	8 16	8 52	12 17	10 42	6 49
F 7	5 33	11 9	0 35	6 26	0 38	5 45	1 7	20 14	1 12	23 13	0 4	11 50	2 41	23 6	0 23	0 2	1 26	0 45	16 7	8 16	8 53	12 14	10 43	6 49
S 8	5 56	5 44	0s30	7 10	0 31	6 15	1 6	20 7	1 13	23 14	0 4	11 49	2 41	23 6	0 23	0 1	1 26	0 45	16 7	8 16	8 54	12 11	10 44	6 48
S 9	6 19	0 3	1 34	7 53	0 25	6 44	1 4	20 0	1 15	23 15	0 4	11 47	2 41	23 6	0 23	0 0	1 26	0 46	16 7	8 16	8 56	12 8	10 44	6 48
M10	6 42	5s41	2 34	8 36	0 18	7 14	1 3	19 53	1 16	23 15	0 4	11 46	2 41	23 6	0 23	0s 1	1 26	0 46	16 7	8 18	8 57	12 5	10 45	6 47
T 11	7 5	11 18	3 28	9 19	0 11	7 44	1 1	19 45	1 17	23 16	0 4	11 44	2 41	23 6	0 23	0 1	1 26	0 46	16 7	8 20	8 58	12 1	10 46	6 47
W12	7 27	16 33	4 12	10 1	0 5	8 13	0 59	19 38	1 18	23 16	0 4	11 43	2 41	23 6	0 23	0 2	1 26	0 47	16 7	8 22	8 59	11 58	10 46	6 46
T 13	7 50	21 11	4 46	10 42	0s 2	8 42	0 58	19 30	1 19	23 17	0 4	11 41	2 41	23 6	0 23	0 3	1 26	0 47	16 7	8 25	9 0	11 55	10 47	6 46
F 14	8 13	24 53	5 5	11 23	0 9	9 11	0 56	19 23	1 20	23 17	0 4	11 40	2 41	23 6	0 23	0 4	1 26	0 48	16 7	8 28	9 1	11 52	10 47	6 45
S 15	8 35	27 22	5 8	12 3	0 16	9 40	0 54	19 15	1 21	23 18	0 4	11 38	2 42	23 6	0 23	0 5	1 26	0 48	16 7	8 30	9 3	11 49	10 48	6 45
S 16	8 57	28 19	4 55	12 42	0 23	10 9	0 52	19 7	1 22	23 19	0 3	11 37	2 42	23 6	0 23	0 6	1 26	0 48	16 8	8 32	9 4	11 46	10 49	6 44
M17	9 19	27 37	4 26	13 21	0 29	10 37	0 50	19 0	1 23	23 19	0 3	11 35	2 42	23 6	0 23	0 6	1 26	0 49	16 8	8 33	9 5	11 42	10 49	6 44
T 18	9 41	25 12	3 40	13 59	0 36	11 5	0 48	18 52	1 24	23 20	0 3	11 34	2 42	23 6	0 23	0 7	1 26	0 49	16 8	8 34	9 6	11 39	10 50	6 43
W19	10 3	21 15	2 41	14 36	0 43	11 33	0 46	18 44	1 25	23 20	0 3	11 32	2 42	23 6	0 23	0 8	1 27	0 50	16 8	8 34	9 7	11 36	10 50	6 43
T 20	10 25	16 1	1 32	15 12	0 49	12 1	0 44	18 36	1 27	23 21	0 3	11 30	2 42	23 6	0 23	0 9	1 27	0 50	16 8	8 33	9 8	11 33	10 51	6 43
F 21	10 46	9 50	0 15	15 48	0 56	12 28	0 42	18 28	1 28	23 21	0 3	11 29	2 42	23 6	0 23	0 10	1 27	0 50	16 8	8 33	9 10	11 30	10 51	6 42
S 22	11 8	3 5	1n 3	16 23	1 3	12 55	0 40	18 20	1 29	23 22	0 3	11 27	2 42	23 6	0 23	0 10	1 27	0 51	16 8	8 33	9 11	11 26	10 51	6 42
S 23	11 29	3n51	2 17	16 57	1 9	13 22	0 38	18 13	1 30	23 22	0 3	11 26	2 42	23 6	0 23	0 11	1 27	0 51	16 8	8 34	9 12	11 23	10 52	6 41
M24	11 50	10 34	3 22	17 30	1 15	13 48	0 36	18 5	1 31	23 23	0 3	11 24	2 42	23 6	0 23	0 12	1 27	0 51	16 8	8 36	9 13	11 20	10 52	6 41
T 25	12 11	16 39	4 13	18 2	1 21	14 14	0 34	17 57	1 32	23 23	0 2	11 23	2 42	23 6	0 23	0 13	1 27	0 52	16 8	8 39	9 14	11 17	10 53	6 40
W26	12 32	21 43	4 47	18 33	1 27	14 40	0 31	17 49	1 34	23 23	0 2	11 21	2 42	23 6	0 23	0 14	1 27	0 52	16 8	8 42	9 16	11 14	10 53	6 40
T 27	12 52	25 28	5 4	19 4	1 33	15 5	0 29	17 41	1 35	23 24	0 2	11 20	2 42	23 6	0 23	0 14	1 27	0 52	16 8	8 46	9 17	11 10	10 53	6 39
F 28	13 12	27 39	5 3	19 34	1 39	15 30	0 27	17 33	1 36	23 24	0 2	11 18	2 42	23 6	0 23	0 15	1 27	0 53	16 8	8 49	9 18	11 7	10 54	6 39
S 29	13 32	28 14	4 46	20 2	1 45	15 54	0 25	17 25	1 37	23 25	0 2	11 16	2 42	23 6	0 23	0 16	1 27	0 53	16 8	8 52	9 19	11 4	10 54	6 38
S 30	13 52	27 18	4 15	20 30	1 50	16 18	0 22	17 17	1 38	23 25	0 2	11 15	2 42	23 6	0 23	0 17	1 27	0 53	16 8	8 54	9 20	11 1	10 54	6 38
M31	14s12	25n 1	3n33	20s56	1s55	16s42	0n20	17n 9	1n40	23s26	0n 2	11n13	2s42	23n 6	0n23	0s17	1n27	0s54	16s 8	8s55	9s21	10n58	10s55	6n37

Julian Day Number = 2311565.5, Delta T = 69.65 sec
Ecliptic obliquity = 23°29'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'29, Lahiri = 18°30'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

NOVEMBER 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 42 23	8♏58'36	5♌ 6	26♏31	18♏31	18♌11	27♐ 4	6°R35	14°R18	4♎ 6	8°R38	7°D 5	5♓53	2♍28	11♒50	T 1
W 2	2 46 20	9°58'51	16°59	27°56	19°46	18°41	27°15	6♉30	14♋17	4° 8	8♉37	7♓ 5	5°49	2°34	11°51	W 2
T 3	2 50 17	10°59'09	28°47	29°21	21° 1	19°10	27°27	6°25	14°16	4° 9	8°36	7° 5	5°46	2°41	11°52	T 3
F 4	2 54 13	11°59'28	10♍35	0♐45	22°16	19°39	27°38	6°20	14°16	4°11	8°35	7°R 6	5°43	2°48	11°53	F 4
S 5	2 58 10	12°59'50	22°28	2° 9	23°31	20° 8	27°50	6°15	14°15	4°13	8°34	7° 4	5°40	2°54	11°54	S 5
S 6	3 2 6	14° 0'13	4♎31	3°31	24°47	20°37	28° 2	6°11	14°14	4°15	8°33	7° 1	5°37	3° 1	11°55	S 6
M 7	3 6 3	15° 0'38	16°47	4°53	26° 2	21° 6	28°13	6° 6	14°13	4°17	8°32	6°55	5°34	3° 8	11°56	M 7
T 8	3 9 59	16° 1'05	29°18	6°13	27°17	21°34	28°25	6° 1	14°12	4°19	8°31	6°46	5°30	3°14	11°57	T 8
W 9	3 13 56	17° 1'34	12♏ 6	7°32	28°32	22° 2	28°37	5°56	14°11	4°20	8°29	6°34	5°27	3°21	11°58	W 9
T 10	3 17 52	18° 2'04	25°11	8°50	29°47	22°30	28°49	5°52	14°10	4°22	8°28	6°22	5°24	3°28	11°59	T 10
F 11	3 21 49	19° 2'37	8♐30	10° 7	1♐ 2	22°57	29° 1	5°47	14° 9	4°24	8°27	6° 9	5°21	3°34	12° 1	F 11
S 12	3 25 46	20° 3'10	22° 2	11°21	2°18	23°24	29°14	5°42	14° 8	4°26	8°26	5°58	5°18	3°41	12° 2	S 12
S 13	3 29 42	21° 3'45	5♑44	12°34	3°33	23°52	29°26	5°38	14° 6	4°27	8°25	5°49	5°14	3°47	12° 4	S 13
M14	3 33 39	22° 4'22	19°34	13°45	4°48	24°18	29°38	5°33	14° 5	4°29	8°24	5°42	5°11	3°54	12° 5	M14
T 15	3 37 35	23° 4'59	3♒29	14°53	6° 3	24°45	29°51	5°29	14° 4	4°30	8°23	5°39	5° 8	4° 1	12° 7	T 15
W16	3 41 32	24° 5'38	17°30	15°59	7°18	25°11	0♑ 3	5°24	14° 2	4°32	8°22	5°38	5° 5	4° 7	12° 9	W16
T 17	3 45 28	25° 6'18	1♓34	17° 1	8°33	25°37	0°16	5°20	14° 1	4°34	8°21	5°37	5° 2	4°14	12°10	T 17
F 18	3 49 25	26° 6'58	15°41	18° 0	9°49	26° 3	0°28	5°15	14° 0	4°35	8°20	5°37	4°59	4°21	12°12	F 18
S 19	3 53 21	27° 7'40	29°51	18°54	11° 4	26°28	0°41	5°11	13°58	4°37	8°19	5°36	4°55	4°27	12°14	S 19
S 20	3 57 18	28° 8'23	14♈ 1	19°44	12°19	26°54	0°54	5° 7	13°57	4°38	8°17	5°31	4°52	4°34	12°16	S 20
M21	4 1 15	29° 9'07	28° 9	20°29	13°34	27°18	1° 6	5° 2	13°55	4°40	8°16	5°24	4°49	4°41	12°18	M21
T 22	4 5 11	0♐ 9'53	12♉11	21° 8	14°49	27°43	1°19	4°58	13°53	4°41	8°15	5°14	4°46	4°47	12°20	T 22
W23	4 9 8	1°10'39	26° 1	21°40	16° 4	28° 7	1°32	4°54	13°52	4°43	8°14	5° 2	4°43	4°54	12°22	W23
T 24	4 13 4	2°11'27	9♊37	22° 4	17°19	28°31	1°45	4°50	13°50	4°44	8°13	4°49	4°40	5° 1	12°24	T 24
F 25	4 17 1	3°12'16	22°55	22°21	18°35	28°55	1°58	4°46	13°48	4°45	8°12	4°36	4°36	5° 7	12°26	F 25
S 26	4 20 57	4°13'06	5♋52	22°R28	19°50	29°19	2°11	4°42	13°46	4°47	8°11	4°24	4°33	5°14	12°28	S 26
S 27	4 24 54	5°13'58	18°30	22°25	21° 5	29°42	2°24	4°38	13°45	4°48	8°10	4°15	4°30	5°21	12°31	S 27
M28	4 28 51	6°14'51	0♌49	22°12	22°20	0♍ 4	2°37	4°35	13°43	4°49	8° 9	4° 9	4°27	5°27	12°33	M28
T 29	4 32 47	7°15'45	12°53	21°47	23°35	0°27	2°50	4°31	13°41	4°51	8° 8	4° 6	4°24	5°34	12°36	T 29
W30	4 36 44	8♐16'40	24♌46	21♐12	24♐50	0♍49	3♑ 4	4♉27	13♋39	4♎52	8♉ 7	4♓ 4	4♓20	5♍40	12♒38	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s31	21n40	2n42	21s22	2s 0	17s 5	0n18	17n 1	1n41	23s26	0n 2	11n12	2s42	23n 7	0n23	0s18	1n27	0s54	16s 8	8s56	9s23	10n54	10s55	6n37
W 2	14 50	17 27	1 45	21 46	2 5	17 28	0 15	16 53	1 42	23 26	0 2	11 10	2 42	23 7	0 23	0 19	1 27	0 54	16 8	8 56	9 24	10 51	10 55	6 36
T 3	15 9	12 37	0 44	22 10	2 9	17 51	0 13	16 45	1 43	23 27	0 1	11 9	2 42	23 7	0 23	0 20	1 27	0 55	16 8	8 56	9 25	10 48	10 55	6 36
F 4	15 28	7 20	0s19	22 32	2 14	18 12	0 11	16 37	1 45	23 27	0 1	11 7	2 41	23 7	0 23	0 20	1 27	0 55	16 8	8 56	9 26	10 45	10 56	6 35
S 5	15 46	1 45	1 21	22 53	2 17	18 34	0 8	16 29	1 46	23 27	0 1	11 6	2 41	23 7	0 23	0 21	1 27	0 55	16 8	8 56	9 27	10 42	10 56	6 35
S 6	16 5	3s57	2 21	23 13	2 21	18 55	0 6	16 21	1 47	23 27	0 1	11 4	2 41	23 7	0 23	0 22	1 27	0 56	16 8	8 57	9 28	10 38	10 56	6 34
M 7	16 22	9 36	3 15	23 31	2 24	19 15	0 3	16 13	1 49	23 28	0 1	11 3	2 41	23 7	0 24	0 22	1 27	0 56	16 8	9 0	9 30	10 35	10 56	6 34
T 8	16 40	14 59	4 0	23 49	2 27	19 35	0 1	16 5	1 50	23 28	0 1	11 1	2 41	23 7	0 24	0 23	1 27	0 56	16 8	9 3	9 31	10 32	10 56	6 34
W 9	16 57	19 51	4 35	24 5	2 30	19 54	0s 2	15 57	1 51	23 28	0 1	11 0	2 41	23 8	0 24	0 24	1 27	0 56	16 8	9 7	9 32	10 29	10 56	6 33
T 10	17 14	23 53	4 56	24 19	2 32	20 13	0 4	15 49	1 53	23 28	0 1	10 58	2 41	23 8	0 24	0 24	1 27	0 57	16 8	9 12	9 33	10 25	10 57	6 33
F 11	17 31	26 43	5 1	24 32	2 33	20 31	0 7	15 41	1 54	23 29	0 1	10 57	2 41	23 8	0 24	0 25	1 27	0 57	16 7	9 16	9 34	10 22	10 57	6 32
S 12	17 48	28 4	4 50	24 44	2 34	20 49	0 9	15 34	1 55	23 29	0 0	10 55	2 41	23 8	0 24	0 26	1 27	0 57	16 7	9 21	9 35	10 19	10 57	6 32
S 13	18 4	27 43	4 22	24 55	2 35	21 6	0 12	15 26	1 57	23 29	0 0	10 54	2 41	23 8	0 24	0 26	1 27	0 57	16 7	9 24	9 37	10 16	10 57	6 31
M14	18 20	25 40	3 38	25 4	2 35	21 22	0 14	15 18	1 58	23 29	0 0	10 53	2 40	23 8	0 24	0 27	1 27	0 58	16 7	9 26	9 38	10 12	10 57	6 31
T 15	18 35	22 2	2 41	25 11	2 34	21 38	0 16	15 11	1 59	23 29	0 0	10 51	2 40	23 8	0 24	0 27	1 27	0 58	16 7	9 28	9 39	10 9	10 57	6 30
W16	18 50	17 7	1 34	25 17	2 33	21 53	0 19	15 3	2 1	23 29	0 0	10 50	2 40	23 9	0 24	0 28	1 27	0 58	16 7	9 28	9 40	10 6	10 57	6 30
T 17	19 5	11 17	0 22	25 21	2 31	22 8	0 21	14 55	2 2	23 29	0s 0	10 49	2 40	23 9	0 24	0 29	1 28	0 58	16 7	9 28	9 41	10 3	10 57	6 29
F 18	19 19	4 51	0n53	25 24	2 27	22 22	0 24	14 48	2 4	23 30	0 0	10 47	2 40	23 9	0 24	0 29	1 28	0 59	16 7	9 28	9 42	9 59	10 57	6 29
S 19	19 34	1n50	2 4	25 25	2 24	22 35	0 26	14 41	2 5	23 30	0 0	10 46	2 40	23 9	0 24	0 30	1 28	0 59	16 7	9 29	9 44	9 56	10 57	6 28
S 20	19 47	8 26	3 8	25 24	2 19	22 48	0 29	14 33	2 7	23 30	0 0	10 45	2 40	23 9	0 24	0 30	1 28	0 59	16 6	9 30	9 45	9 53	10 57	6 28
M21	20 1	14 34	4 0	25 21	2 13	22 59	0 31	14 26	2 8	23 30	0 0	10 43	2 39	23 10	0 24	0 31	1 28	0 59	16 6	9 33	9 46	9 50	10 56	6 28
T 22	20 14	19 54	4 37	25 17	2 6	23 11	0 33	14 19	2 10	23 30	0 1	10 42	2 39	23 10	0 24	0 31	1 28	0 59	16 6	9 37	9 47	9 46	10 56	6 27
W23	20 26	24 6	4 56	25 11	1 57	23 21	0 36	14 12	2 11	23 30	0 1	10 41	2 39	23 10	0 24	0 32	1 28	0 59	16 6	9 41	9 48	9 43	10 56	6 27
T 24	20 39	26 52	4 59	25 3	1 48	23 31	0 38	14 5	2 13	23 29	0 1	10 40	2 39	23 10	0 24	0 33	1 28	1 0	16 6	9 46	9 49	9 40	10 56	6 26
F 25	20 51	28 3	4 45	24 53	1 37	23 40	0 40	13 58	2 14	23 29	0 1	10 39	2 39	23 10	0 24	0 33	1 28	1 0	16 6	9 51	9 51	9 37	10 56	6 26
S 26	21 2	27 38	4 17	24 41	1 25	23 49	0 43	13 51	2 16	23 29	0 1	10 38	2 39	23 11	0 24	0 33	1 28	1 0	16 6	9 55	9 52	9 33	10 56	6 25
S 27	21 13	25 47	3 36	24 27	1 11	23 56	0 45	13 45	2 17	23 29	0 1	10 37	2 38	23 11	0 24	0 34	1 28	1 0	16 5	9 58	9 53	9 30	10 55	6 25
M28	21 24	22 43	2 46	24 11	0 56	24 3	0 47	13 38	2 19	23 29	0 1	10 35	2 38	23 11	0 24	0 34	1 28	1 0	16 5	10 1	9 54	9 27	10 55	6 25
T 29	21 34	18 44	1 50	23 53	0 39	24 10	0 49	13 31	2 20	23 29	0 1	10 34	2 38	23 11	0 24	0 35	1 28	1 0	16 5	10 2	9 55	9 24	10 55	6 24
W30	21s44	14n 4	0n49	23s33	0s21	24s15	0s52	13n25	2n22	23s29	0s 1	10n33	2s38	23n11	0n24	0s35	1n28	1s 0	16s 5	10s 2	9s56	9n20	10s55	6n24

Julian Day Number = 2311596.5, Delta T = 69.57 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'33, Lahiri = 18°30'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1616
geocentric

DECEMBER 1616 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 40 40	9♐17'37	6♍34	20°R25	26♐ 5	1♍11	3♑17	4°R24	13°R37	4♎53	8°R 6	4°R 4	4♓17	5♍47	12♒41	T 1
F 2	4 44 37	10°18'35	18°22	19♐28	27°20	1°32	3°30	4♉20	13♋35	4°54	8♉ 6	4♓ 4	4°14	5°54	12°43	F 2
S 3	4 48 33	11°19'34	0♎16	18°21	28°35	1°53	3°44	4°17	13°33	4°55	8° 5	4° 3	4°11	6° 0	12°46	S 3
S 4	4 52 30	12°20'34	12°21	17° 7	29°50	2°13	3°57	4°14	13°31	4°57	8° 4	3°59	4° 8	6° 7	12°49	S 4
M 5	4 56 26	13°21'36	24°42	15°47	1♑ 6	2°34	4°11	4°10	13°29	4°58	8° 3	3°53	4° 5	6°14	12°51	M 5
T 6	5 0 23	14°22'38	7♏21	14°24	2°21	2°53	4°24	4° 7	13°26	4°59	8° 2	3°44	4° 1	6°20	12°54	T 6
W 7	5 4 20	15°23'42	20°23	13° 2	3°36	3°13	4°38	4° 4	13°24	5° 0	8° 1	3°33	3°58	6°27	12°57	W 7
T 8	5 8 16	16°24'46	3♐45	11°42	4°51	3°32	4°51	4° 1	13°22	5° 1	8° 0	3°21	3°55	6°34	13° 0	T 8
F 9	5 12 13	17°25'52	17°27	10°27	6° 6	3°50	5° 5	3°58	13°20	5° 2	7°59	3° 8	3°52	6°40	13° 3	F 9
S 10	5 16 9	18°26'58	1♑26	9°20	7°21	4° 8	5°18	3°56	13°17	5° 3	7°59	2°56	3°49	6°47	13° 6	S 10
S 11	5 20 6	19°28'05	15°35	8°22	8°36	4°26	5°32	3°53	13°15	5° 3	7°58	2°47	3°46	6°54	13° 9	S 11
M12	5 24 2	20°29'12	29°51	7°34	9°51	4°43	5°46	3°50	13°13	5° 4	7°57	2°40	3°42	7° 0	13°12	M12
T 13	5 27 59	21°30'19	14♒ 8	6°57	11° 6	5° 0	5°59	3°48	13°10	5° 5	7°56	2°36	3°39	7° 7	13°15	T 13
W14	5 31 55	22°31'27	28°23	6°31	12°21	5°16	6°13	3°46	13° 8	5° 6	7°55	2°D35	3°36	7°13	13°18	W14
T 15	5 35 52	23°32'35	12♓33	6°15	13°36	5°32	6°27	3°43	13° 6	5° 7	7°55	2°35	3°33	7°20	13°22	T 15
F 16	5 39 49	24°33'43	26°37	6°D11	14°51	5°48	6°41	3°41	13° 3	5° 7	7°54	2°R35	3°30	7°27	13°25	F 16
S 17	5 43 45	25°34'51	10♈35	6°15	16° 6	6° 2	6°54	3°39	13° 1	5° 8	7°53	2°34	3°26	7°33	13°28	S 17
S 18	5 47 42	26°36'00	24°26	6°29	17°21	6°17	7° 8	3°37	12°58	5° 9	7°52	2°31	3°23	7°40	13°32	S 18
M19	5 51 38	27°37'08	8♉10	6°51	18°36	6°30	7°22	3°35	12°56	5° 9	7°52	2°25	3°20	7°47	13°35	M19
T 20	5 55 35	28°38'17	21°45	7°20	19°51	6°44	7°36	3°33	12°53	5°10	7°51	2°17	3°17	7°53	13°38	T 20
W21	5 59 31	29°39'26	5♊ 9	7°56	21° 6	6°56	7°50	3°32	12°51	5°11	7°50	2° 6	3°14	8° 0	13°42	W21
T 22	6 3 28	0♑40'35	18°21	8°38	22°21	7° 9	8° 4	3°30	12°48	5°11	7°50	1°55	3°11	8° 7	13°45	T 22
F 23	6 7 24	1°41'44	1♋19	9°26	23°36	7°20	8°18	3°29	12°46	5°12	7°49	1°44	3° 7	8°13	13°49	F 23
S 24	6 11 21	2°42'53	14° 2	10°18	24°51	7°31	8°32	3°28	12°43	5°12	7°49	1°34	3° 4	8°20	13°53	S 24
S 25	6 15 18	3°44'02	26°29	11°14	26° 6	7°42	8°46	3°26	12°41	5°13	7°48	1°26	3° 1	8°27	13°56	S 25
M26	6 19 14	4°45'12	8♌43	12°13	27°20	7°52	8°59	3°25	12°38	5°13	7°47	1°21	2°58	8°33	14° 0	M26
T 27	6 23 11	5°46'22	20°44	13°16	28°35	8° 1	9°13	3°24	12°36	5°13	7°47	1°18	2°55	8°40	14° 4	T 27
W28	6 27 7	6°47'32	2♍36	14°22	29°50	8°10	9°27	3°23	12°33	5°14	7°46	1°D17	2°52	8°47	14° 7	W28
T 29	6 31 4	7°48'42	14°24	15°31	1♒ 5	8°18	9°41	3°23	12°30	5°14	7°46	1°18	2°48	8°53	14°11	T 29
F 30	6 35 0	8°49'52	26°11	16°42	2°20	8°25	9°55	3°22	12°28	5°14	7°45	1°19	2°45	9° 0	14°15	F 30
S 31	6 38 57	9♑51'03	8♎ 4	17♐55	3♒35	8♍32	10♑ 9	3♉21	12♋25	5♎14	7♉45	1°R20	2♓42	9♍ 6	14♒19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s54	8n55	0s13	23s11	0s 2	24s20	0s54	13n19	2n23	23s28	0s 1	10n32	2s38	23n12	0n24	0s36	1n28	1s 0	16s 5	10s 2	9s58	9n17	10s54	6n23
F 2	22 3	3 27	1 15	22 47	0n18	24 24	0 56	13 13	2 25	23 28	0 1	10 31	2 37	23 12	0 24	0 36	1 28	1 1	16 4	10 2	9 59	9 14	10 54	6 23
S 3	22 11	2s 9	2 14	22 21	0 38	24 27	0 58	13 7	2 27	23 28	0 2	10 31	2 37	23 12	0 24	0 37	1 28	1 1	16 4	10 3	10 0	9 11	10 54	6 23
S 4	22 19	7 46	3 8	21 54	0 58	24 30	1 0	13 1	2 28	23 28	0 2	10 30	2 37	23 12	0 24	0 37	1 28	1 1	16 4	10 4	10 1	9 7	10 53	6 22
M 5	22 27	13 13	3 54	21 26	1 18	24 31	1 2	12 55	2 30	23 27	0 2	10 29	2 37	23 13	0 24	0 37	1 28	1 1	16 4	10 6	10 2	9 4	10 53	6 22
T 6	22 34	18 15	4 30	20 58	1 37	24 32	1 4	12 49	2 32	23 27	0 2	10 28	2 36	23 13	0 24	0 38	1 28	1 1	16 4	10 9	10 3	9 1	10 52	6 21
W 7	22 41	22 35	4 53	20 31	1 55	24 33	1 6	12 44	2 33	23 27	0 2	10 27	2 36	23 13	0 24	0 38	1 29	1 1	16 3	10 14	10 4	8 57	10 52	6 21
T 8	22 48	25 52	5 1	20 5	2 10	24 32	1 8	12 39	2 35	23 26	0 2	10 26	2 36	23 13	0 24	0 38	1 29	1 1	16 3	10 18	10 6	8 54	10 52	6 21
F 9	22 54	27 44	4 52	19 42	2 24	24 31	1 10	12 33	2 37	23 26	0 2	10 26	2 36	23 13	0 24	0 39	1 29	1 1	16 3	10 23	10 7	8 51	10 51	6 20
S 10	22 59	27 54	4 25	19 21	2 35	24 29	1 12	12 28	2 39	23 25	0 2	10 25	2 35	23 14	0 24	0 39	1 29	1 1	16 3	10 27	10 8	8 48	10 51	6 20
S 11	23 4	26 15	3 42	19 3	2 44	24 26	1 14	12 24	2 40	23 25	0 2	10 24	2 35	23 14	0 24	0 39	1 29	1 1	16 2	10 30	10 9	8 44	10 50	6 20
M12	23 9	22 54	2 44	18 49	2 50	24 22	1 15	12 19	2 42	23 24	0 2	10 24	2 35	23 14	0 24	0 40	1 29	1 1	16 2	10 33	10 10	8 41	10 50	6 19
T 13	23 13	18 10	1 36	18 39	2 54	24 18	1 17	12 14	2 44	23 24	0 3	10 23	2 35	23 14	0 24	0 40	1 29	1 1	16 2	10 34	10 11	8 38	10 49	6 19
W14	23 17	12 25	0 22	18 33	2 57	24 13	1 19	12 10	2 46	23 23	0 3	10 23	2 34	23 15	0 24	0 40	1 29	1 1	16 2	10 35	10 13	8 34	10 49	6 19
T 15	23 20	6 3	0n53	18 30	2 57	24 7	1 20	12 6	2 48	23 23	0 3	10 22	2 34	23 15	0 24	0 40	1 29	1 1	16 1	10 35	10 14	8 31	10 48	6 18
F 16	23 23	0n33	2 4	18 30	2 56	24 1	1 22	12 2	2 50	23 22	0 3	10 22	2 34	23 15	0 24	0 41	1 29	1 1	16 1	10 34	10 15	8 28	10 47	6 18
S 17	23 25	7 5	3 8	18 33	2 53	23 54	1 23	11 58	2 51	23 22	0 3	10 21	2 34	23 15	0 24	0 41	1 29	1 1	16 1	10 35	10 16	8 25	10 47	6 18
S 18	23 27	13 12	3 59	18 39	2 50	23 46	1 25	11 55	2 53	23 21	0 3	10 21	2 33	23 16	0 24	0 41	1 29	1 1	16 1	10 36	10 17	8 21	10 46	6 17
M19	23 28	18 37	4 37	18 48	2 45	23 37	1 26	11 51	2 55	23 20	0 3	10 20	2 33	23 16	0 24	0 41	1 29	1 1	16 0	10 38	10 18	8 18	10 46	6 17
T 20	23 29	23 2	4 58	18 58	2 39	23 27	1 27	11 48	2 57	23 20	0 3	10 20	2 33	23 16	0 24	0 42	1 29	1 1	16 0	10 41	10 19	8 15	10 45	6 17
W21	23 29	26 10	5 3	19 10	2 33	23 17	1 28	11 45	2 59	23 19	0 3	10 20	2 32	23 17	0 24	0 42	1 29	1 1	16 0	10 45	10 21	8 11	10 44	6 16
T 22	23 29	27 49	4 51	19 23	2 26	23 6	1 30	11 42	3 1	23 18	0 3	10 19	2 32	23 17	0 25	0 42	1 29	1 1	15 59	10 49	10 22	8 8	10 43	6 16
F 23	23 29	27 54	4 24	19 38	2 19	22 55	1 31	11 40	3 3	23 17	0 4	10 19	2 32	23 17	0 25	0 42	1 29	1 1	15 59	10 53	10 23	8 5	10 43	6 16
S 24	23 28	26 29	3 45	19 53	2 11	22 43	1 32	11 37	3 5	23 17	0 4	10 19	2 32	23 17	0 25	0 42	1 29	1 0	15 59	10 56	10 24	8 1	10 42	6 15
S 25	23 26	23 46	2 55	20 9	2 3	22 30	1 33	11 35	3 7	23 16	0 4	10 19	2 31	23 18	0 25	0 42	1 30	1 0	15 59	10 59	10 25	7 58	10 41	6 15
M26	23 24	20 1	1 58	20 25	1 55	22 16	1 34	11 33	3 9	23 15	0 4	10 19	2 31	23 18	0 25	0 42	1 30	1 0	15 58	11 1	10 26	7 55	10 41	6 15
T 27	23 22	15 30	0 56	20 41	1 46	22 2	1 35	11 32	3 11	23 14	0 4	10 19	2 31	23 18	0 25	0 42	1 30	1 0	15 58	11 2	10 27	7 52	10 40	6 14
W28	23 19	10 28	0s 7	20 57	1 38	21 47	1 35	11 30	3 13	23 13	0 4	10 19	2 30	23 18	0 25	0 43	1 30	1 0	15 58	11 2	10 29	7 48	10 39	6 14
T 29	23 16	5 5	1 10	21 14	1 29	21 31	1 36	11 29	3 15	23 12	0 4	10 19	2 30	23 19	0 25	0 43	1 30	1 0	15 57	11 2	10 30	7 45	10 38	6 14
F 30	23 12	0s28	2 10	21 29	1 20	21 15	1 37	11 28	3 17	23 11	0 4	10 19	2 30	23 19	0 25	0 43	1 30	1 0	15 57	11 2	10 31	7 42	10 37	6 14
S 31	23s 7	6s 2	3s 5	21s45	1n12	20s58	1s37	11n28	3n19	23s10	0s 4	10n19	2s30	23n19	0n25	0s43	1n30	1s 0	15s57	11s 1	10s32	7n38	10s37	6n13

Julian Day Number = 2311626.5, Delta T = 69.49 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'37, Lahiri = 18°30'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

JANUARY 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 42 53	10♑52'13	20♎ 8	19♐ 9	4♒49	8♍38	10♑23	3°R21	12°R23	5♎15	7°R45	1°R19	2♓39	9♍13	14♒23	S 1
M 2	6 46 50	11°53'24	2♏27	20°26	6° 4	8°43	10°37	3♉21	12♋20	5°15	7♉44	1♓17	2°36	9°20	14°27	M 2
T 3	6 50 47	12°54'35	15° 8	21°44	7°19	8°48	10°51	3°20	12°17	5°15	7°44	1°13	2°32	9°26	14°31	T 3
W 4	6 54 43	13°55'46	28°12	23° 3	8°33	8°52	11° 5	3°D20	12°15	5°15	7°43	1° 6	2°29	9°33	14°35	W 4
T 5	6 58 40	14°56'57	11♐41	24°23	9°48	8°55	11°19	3°20	12°12	5°15	7°43	0°59	2°26	9°40	14°39	T 5
F 6	7 2 36	15°58'08	25°36	25°45	11° 3	8°58	11°33	3°20	12°10	5°R15	7°43	0°51	2°23	9°46	14°43	F 6
S 7	7 6 33	16°59'18	9♑52	27° 8	12°18	9° 0	11°47	3°21	12° 7	5°15	7°42	0°43	2°20	9°53	14°47	S 7
S 8	7 10 29	18° 0'29	24°25	28°31	13°32	9° 1	12° 1	3°21	12° 4	5°15	7°42	0°37	2°17	10° 0	14°51	S 8
M 9	7 14 26	19° 1'38	9♒ 7	29°56	14°47	9°R 1	12°15	3°21	12° 2	5°15	7°42	0°33	2°13	10° 6	14°55	M 9
T 10	7 18 23	20° 2'47	23°52	1♑21	16° 1	9° 1	12°29	3°22	11°59	5°15	7°42	0°D32	2°10	10°13	14°59	T 10
W11	7 22 19	21° 3'55	8♓32	2°47	17°16	8°59	12°43	3°23	11°57	5°15	7°41	0°32	2° 7	10°20	15° 3	W11
T 12	7 26 16	22° 5'03	23° 2	4°14	18°30	8°57	12°57	3°24	11°54	5°14	7°41	0°33	2° 4	10°26	15° 7	T 12
F 13	7 30 12	23° 6'09	7♈19	5°41	19°45	8°55	13°11	3°24	11°52	5°14	7°41	0°34	2° 1	10°33	15°12	F 13
S 14	7 34 9	24° 7'15	21°20	7° 9	20°59	8°51	13°25	3°26	11°49	5°14	7°41	0°R35	1°58	10°40	15°16	S 14
S 15	7 38 5	25° 8'20	5♉ 6	8°38	22°14	8°47	13°39	3°27	11°47	5°14	7°41	0°35	1°54	10°46	15°20	S 15
M16	7 42 2	26° 9'23	18°36	10° 8	23°28	8°42	13°52	3°28	11°44	5°13	7°40	0°33	1°51	10°53	15°24	M16
T 17	7 45 58	27°10'26	1♊52	11°38	24°43	8°36	14° 6	3°29	11°42	5°13	7°40	0°29	1°48	10°59	15°29	T 17
W18	7 49 55	28°11'28	14°54	13° 9	25°57	8°29	14°20	3°31	11°39	5°13	7°40	0°24	1°45	11° 6	15°33	W18
T 19	7 53 52	29°12'29	27°43	14°41	27°11	8°21	14°34	3°32	11°37	5°12	7°40	0°19	1°42	11°13	15°37	T 19
F 20	7 57 48	0♒13'29	10♋19	16°13	28°25	8°13	14°48	3°34	11°34	5°12	7°40	0°13	1°38	11°19	15°41	F 20
S 21	8 1 45	1°14'28	22°43	17°46	29°40	8° 4	15° 1	3°36	11°32	5°11	7°D40	0° 8	1°35	11°26	15°46	S 21
S 22	8 5 41	2°15'25	4♌57	19°19	0♓54	7°54	15°15	3°38	11°29	5°11	7°40	0° 5	1°32	11°33	15°50	S 22
M23	8 9 38	3°16'22	17° 1	20°53	2° 8	7°44	15°29	3°40	11°27	5°10	7°40	0° 2	1°29	11°39	15°55	M23
T 24	8 13 34	4°17'18	28°56	22°28	3°22	7°32	15°42	3°42	11°25	5° 9	7°40	0°D 2	1°26	11°46	15°59	T 24
W25	8 17 31	5°18'13	10♍46	24° 3	4°36	7°20	15°56	3°44	11°22	5° 9	7°40	0° 2	1°23	11°53	16° 3	W25
T 26	8 21 27	6°19'07	22°34	25°39	5°50	7° 7	16°10	3°47	11°20	5° 8	7°40	0° 3	1°19	11°59	16° 8	T 26
F 27	8 25 24	7°20'00	4♎22	27°16	7° 4	6°53	16°23	3°49	11°18	5° 8	7°41	0° 5	1°16	12° 6	16°12	F 27
S 28	8 29 21	8°20'53	16°15	28°54	8°18	6°39	16°37	3°52	11°16	5° 7	7°41	0° 7	1°13	12°13	16°16	S 28
S 29	8 33 17	9°21'44	28°17	0♒32	9°32	6°23	16°50	3°54	11°13	5° 6	7°41	0° 8	1°10	12°19	16°21	S 29
M30	8 37 14	10°22'35	10♏34	2°11	10°46	6° 8	17° 4	3°57	11°11	5° 5	7°41	0°R 9	1° 7	12°26	16°25	M30
T 31	8 41 10	11♒23'25	23♏ 9	3♒51	11♓59	5♍51	17♑17	4♉ 0	11♋ 9	5♎ 5	7♉41	0♓ 8	1♓ 4	12♍33	16♒30	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 3	11s28	3s53	22s 0	1n 3	20s41	1s38	11n27	3n21	23s 9	0s 4	10n19	2s29	23n19	0n25	0s43	1n30	0s59	15s56	11s 2	10s33	7n35	10s36	6n13
M 2	22 57	16 35	4 30	22 14	0 55	20 23	1 38	11 27	3 23	23 8	0 4	10 19	2 29	23 20	0 25	0 43	1 30	0 59	15 56	11 2	10 34	7 32	10 35	6 13
T 3	22 52	21 7	4 56	22 28	0 46	20 4	1 39	11 27	3 25	23 7	0 5	10 19	2 29	23 20	0 25	0 43	1 30	0 59	15 56	11 4	10 35	7 28	10 34	6 13
W 4	22 46	24 48	5 8	22 41	0 38	19 45	1 39	11 28	3 27	23 6	0 5	10 20	2 28	23 20	0 25	0 43	1 30	0 59	15 55	11 6	10 37	7 25	10 33	6 12
T 5	22 39	27 14	5 3	22 53	0 29	19 26	1 39	11 28	3 29	23 5	0 5	10 20	2 28	23 20	0 25	0 43	1 30	0 59	15 55	11 9	10 38	7 22	10 32	6 12
F 6	22 32	28 5	4 40	23 4	0 21	19 5	1 39	11 29	3 31	23 4	0 5	10 20	2 28	23 21	0 25	0 43	1 30	0 58	15 55	11 12	10 39	7 18	10 31	6 12
S 7	22 25	27 7	4 0	23 15	0 13	18 44	1 40	11 30	3 33	23 3	0 5	10 21	2 27	23 21	0 25	0 43	1 30	0 58	15 54	11 15	10 40	7 15	10 30	6 12
S 8	22 17	24 17	3 3	23 24	0 5	18 23	1 40	11 32	3 35	23 2	0 5	10 21	2 27	23 21	0 25	0 42	1 30	0 58	15 54	11 17	10 41	7 12	10 29	6 12
M 9	22 8	19 50	1 54	23 32	0s 3	18 1	1 39	11 34	3 37	23 1	0 5	10 22	2 27	23 21	0 25	0 42	1 30	0 58	15 54	11 18	10 42	7 8	10 28	6 11
T 10	21 59	14 10	0 36	23 39	0 10	17 39	1 39	11 36	3 39	22 59	0 5	10 22	2 27	23 22	0 25	0 42	1 30	0 57	15 53	11 19	10 43	7 5	10 27	6 11
W11	21 50	7 43	0n43	23 45	0 18	17 16	1 39	11 38	3 41	22 58	0 5	10 23	2 26	23 22	0 25	0 42	1 30	0 57	15 53	11 19	10 45	7 2	10 26	6 11
T 12	21 41	0 57	2 0	23 50	0 25	16 53	1 39	11 41	3 44	22 57	0 5	10 23	2 26	23 22	0 25	0 42	1 31	0 57	15 53	11 18	10 46	6 58	10 25	6 11
F 13	21 31	5n46	3 7	23 54	0 32	16 29	1 39	11 44	3 46	22 56	0 6	10 24	2 26	23 22	0 25	0 42	1 31	0 57	15 52	11 18	10 47	6 55	10 24	6 11
S 14	21 20	12 4	4 2	23 57	0 39	16 5	1 38	11 47	3 48	22 54	0 6	10 24	2 25	23 22	0 25	0 42	1 31	0 56	15 52	11 17	10 48	6 52	10 23	6 10
S 15	21 9	17 40	4 42	23 58	0 46	15 40	1 38	11 50	3 50	22 53	0 6	10 25	2 25	23 23	0 25	0 42	1 31	0 56	15 52	11 18	10 49	6 49	10 22	6 10
M16	20 58	22 17	5 5	23 58	0 52	15 15	1 37	11 54	3 52	22 52	0 6	10 26	2 25	23 23	0 25	0 41	1 31	0 56	15 51	11 18	10 50	6 45	10 21	6 10
T 17	20 46	25 40	5 12	23 57	0 59	14 50	1 36	11 58	3 54	22 50	0 6	10 26	2 24	23 23	0 25	0 41	1 31	0 56	15 51	11 20	10 51	6 42	10 20	6 10
W18	20 34	27 38	5 2	23 55	1 5	14 24	1 36	12 3	3 55	22 49	0 6	10 27	2 24	23 23	0 25	0 41	1 31	0 55	15 51	11 21	10 53	6 39	10 19	6 10
T 19	20 22	28 6	4 37	23 51	1 10	13 57	1 35	12 7	3 57	22 48	0 6	10 28	2 24	23 24	0 25	0 41	1 31	0 55	15 50	11 23	10 54	6 35	10 18	6 10
F 20	20 9	27 4	3 59	23 46	1 16	13 31	1 34	12 12	3 59	22 46	0 6	10 29	2 24	23 24	0 25	0 41	1 31	0 55	15 50	11 25	10 55	6 32	10 17	6 9
S 21	19 56	24 42	3 11	23 39	1 21	13 4	1 33	12 17	4 1	22 45	0 6	10 30	2 23	23 24	0 25	0 40	1 31	0 54	15 50	11 27	10 56	6 29	10 16	6 9
S 22	19 42	21 14	2 13	23 31	1 26	12 37	1 32	12 23	4 3	22 43	0 6	10 31	2 23	23 24	0 25	0 40	1 31	0 54	15 49	11 28	10 57	6 25	10 15	6 9
M23	19 28	16 54	1 11	23 22	1 31	12 9	1 31	12 28	4 5	22 42	0 7	10 32	2 23	23 24	0 25	0 40	1 31	0 54	15 49	11 29	10 58	6 22	10 13	6 9
T 24	19 14	11 58	0 6	23 11	1 36	11 41	1 30	12 34	4 6	22 41	0 7	10 33	2 22	23 25	0 25	0 40	1 31	0 53	15 49	11 29	10 59	6 19	10 12	6 9
W25	18 59	6 38	0s59	22 59	1 40	11 13	1 28	12 40	4 8	22 39	0 7	10 34	2 22	23 25	0 25	0 39	1 31	0 53	15 48	11 29	11 1	6 15	10 11	6 9
T 26	18 44	1 6	2 1	22 45	1 44	10 44	1 27	12 47	4 10	22 38	0 7	10 35	2 22	23 25	0 25	0 39	1 31	0 53	15 48	11 29	11 2	6 12	10 10	6 9
F 27	18 29	4s28	2 58	22 30	1 47	10 15	1 26	12 53	4 11	22 36	0 7	10 36	2 21	23 25	0 25	0 39	1 31	0 52	15 48	11 28	11 3	6 9	10 9	6 9
S 28	18 13	9 55	3 48	22 14	1 51	9 46	1 24	13 0	4 13	22 34	0 7	10 37	2 21	23 25	0 25	0 38	1 31	0 52	15 47	11 27	11 4	6 5	10 8	6 9
S 29	17 57	15 4	4 29	21 56	1 54	9 17	1 22	13 7	4 14	22 33	0 7	10 38	2 21	23 26	0 25	0 38	1 31	0 51	15 47	11 27	11 5	6 2	10 6	6 8
M30	17 41	19 44	4 58	21 36	1 56	8 48	1 21	13 15	4 16	22 31	0 7	10 39	2 21	23 26	0 25	0 38	1 32	0 51	15 47	11 27	11 6	5 58	10 5	6 8
T 31	17s24	23s40	5s14	21s15	1s59	8s18	1s19	13n22	4n17	22s30	0s 7	10n41	2s20	23n26	0n25	0s37	1n32	0s51	15s46	11s27	11s 7	5n55	10s 4	6n 8

Julian Day Number = 2311657.5, Delta T = 69.40 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'41, Lahiri = 18°30'42Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

FEBRUARY 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 45 7	12♒24'13	6♐ 8	5♒31	13♓13	5°R34	17♑30	4♉ 3	11°R 7	5°R 4	7♉42	0°R 7	1♓ 0	12♍39	16♒34	W 1
T 2	8 49 3	13°25'01	19°33	7°13	14°27	5♍16	17°44	4° 6	11♋ 5	5♎ 3	7°42	0♓ 5	0°57	12°46	16°39	T 2
F 3	8 53 0	14°25'48	3♑26	8°55	15°41	4°57	17°57	4° 9	11° 3	5° 2	7°42	0° 3	0°54	12°52	16°43	F 3
S 4	8 56 56	15°26'34	17°45	10°38	16°54	4°38	18°10	4°12	11° 1	5° 1	7°42	0° 1	0°51	12°59	16°47	S 4
S 5	9 0 53	16°27'18	2♒26	12°21	18° 8	4°18	18°23	4°16	10°59	5° 0	7°43	29♒59	0°48	13° 6	16°52	S 5
M 6	9 4 50	17°28'01	17°23	14° 6	19°21	3°58	18°37	4°19	10°57	4°59	7°43	29°58	0°44	13°12	16°56	M 6
T 7	9 8 46	18°28'43	2♓29	15°51	20°35	3°37	18°50	4°23	10°55	4°58	7°43	29°D58	0°41	13°19	17° 1	T 7
W 8	9 12 43	19°29'23	17°33	17°38	21°48	3°15	19° 3	4°26	10°53	4°57	7°44	29°58	0°38	13°26	17° 5	W 8
T 9	9 16 39	20°30'01	2♈27	19°25	23° 1	2°54	19°16	4°30	10°51	4°56	7°44	29°59	0°35	13°32	17°10	T 9
F 10	9 20 36	21°30'38	17° 5	21°12	24°15	2°31	19°29	4°34	10°49	4°55	7°45	29°59	0°32	13°39	17°14	F 10
S 11	9 24 32	22°31'13	1♉22	23° 1	25°28	2° 9	19°42	4°38	10°47	4°54	7°45	0♓ 0	0°29	13°46	17°18	S 11
S 12	9 28 29	23°31'46	15°15	24°51	26°41	1°46	19°54	4°42	10°46	4°53	7°45	0° 1	0°25	13°52	17°23	S 12
M13	9 32 25	24°32'18	28°46	26°41	27°54	1°23	20° 7	4°46	10°44	4°52	7°46	0°R 1	0°22	13°59	17°27	M13
T 14	9 36 22	25°32'47	11♊55	28°32	29° 7	0°59	20°20	4°50	10°42	4°50	7°46	0° 1	0°19	14° 6	17°32	T 14
W15	9 40 19	26°33'15	24°45	0♓24	0♈20	0°36	20°33	4°55	10°41	4°49	7°47	0° 0	0°16	14°12	17°36	W15
T 16	9 44 15	27°33'40	7♋19	2°16	1°33	0°12	20°45	4°59	10°39	4°48	7°48	29♒59	0°13	14°19	17°40	T 16
F 17	9 48 12	28°34'04	19°39	4° 9	2°46	29♌49	20°58	5° 3	10°38	4°47	7°48	29°59	0°10	14°26	17°45	F 17
S 18	9 52 8	29°34'26	1♌48	6° 2	3°59	29°25	21°10	5° 8	10°36	4°46	7°49	29°D59	0° 6	14°32	17°49	S 18
S 19	9 56 5	0♓34'46	13°48	7°55	5°11	29° 1	21°23	5°13	10°35	4°44	7°49	29°59	0° 3	14°39	17°54	S 19
M20	10 0 1	1°35'05	25°42	9°49	6°24	28°37	21°35	5°17	10°34	4°43	7°50	29°R59	29♒59	14°46	17°58	M20
T 21	10 3 58	2°35'21	7♍33	11°42	7°36	28°13	21°47	5°22	10°32	4°42	7°51	29°59	29°57	14°52	18° 2	T 21
W22	10 7 54	3°35'36	19°21	13°35	8°49	27°50	21°59	5°27	10°31	4°40	7°51	29°59	29°54	14°59	18° 6	W22
T 23	10 11 51	4°35'49	1♎ 9	15°28	10° 1	27°26	22°12	5°32	10°30	4°39	7°52	29°59	29°50	15° 5	18°11	T 23
F 24	10 15 48	5°36'00	13° 0	17°20	11°13	27° 3	22°24	5°37	10°28	4°38	7°53	29°58	29°47	15°12	18°15	F 24
S 25	10 19 44	6°36'09	24°57	19°10	12°26	26°40	22°36	5°42	10°27	4°36	7°53	29°57	29°44	15°19	18°19	S 25
S 26	10 23 41	7°36'17	7♏ 2	20°59	13°38	26°18	22°47	5°48	10°26	4°35	7°54	29°56	29°41	15°25	18°24	S 26
M27	10 27 37	8°36'24	19°20	22°46	14°50	25°55	22°59	5°53	10°25	4°33	7°55	29°56	29°38	15°32	18°28	M27
T 28	10 31 34	9♓36'29	1♐53	24♓30	16♈ 2	25♌33	23♑11	5♉58	10♋24	4♎32	7♉56	29♒55	29♒35	15♍39	18♒32	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s 7	26s32	5s15	20s53	2s 1	7s48	1s17	13n30	4n19	22s28	0s 8	10n42	2s20	23n26	0n25	0s37	1n32	0s50	15s46	11s27	11s 8	5n52	10s 3	6n 8
T 2	16 50	28 2	4 58	20 29	2 2	7 18	1 15	13 38	4 20	22 26	0 8	10 43	2 20	23 26	0 25	0 36	1 32	0 50	15 46	11 28	11 10	5 48	10 1	6 8
F 3	16 32	27 51	4 24	20 3	2 4	6 47	1 13	13 45	4 21	22 25	0 8	10 44	2 19	23 26	0 25	0 36	1 32	0 49	15 45	11 29	11 11	5 45	10 0	6 8
S 4	16 14	25 50	3 33	19 36	2 4	6 17	1 11	13 54	4 22	22 23	0 8	10 46	2 19	23 27	0 25	0 36	1 32	0 49	15 45	11 30	11 12	5 42	9 59	6 8
S 5	15 56	22 3	2 27	19 8	2 5	5 46	1 9	14 2	4 23	22 21	0 8	10 47	2 19	23 27	0 25	0 35	1 32	0 49	15 44	11 30	11 13	5 38	9 58	6 8
M 6	15 38	16 45	1 9	18 37	2 5	5 15	1 7	14 10	4 24	22 20	0 8	10 49	2 19	23 27	0 25	0 35	1 32	0 48	15 44	11 30	11 14	5 35	9 56	6 8
T 7	15 19	10 24	0n14	18 6	2 4	4 44	1 5	14 19	4 25	22 18	0 8	10 50	2 18	23 27	0 25	0 34	1 32	0 48	15 44	11 31	11 15	5 32	9 55	6 8
W 8	15 0	3 27	1 36	17 33	2 3	4 13	1 3	14 27	4 25	22 16	0 8	10 52	2 18	23 27	0 25	0 34	1 32	0 47	15 43	11 30	11 16	5 28	9 54	6 8
T 9	14 41	3n35	2 51	16 58	2 2	3 42	1 0	14 36	4 26	22 15	0 8	10 53	2 18	23 27	0 25	0 33	1 32	0 47	15 43	11 30	11 17	5 25	9 53	6 8
F 10	14 22	10 18	3 53	16 21	2 0	3 11	0 58	14 44	4 26	22 13	0 9	10 55	2 18	23 28	0 25	0 33	1 32	0 46	15 43	11 30	11 19	5 22	9 51	6 8
S 11	14 2	16 20	4 39	15 44	1 58	2 39	0 56	14 53	4 27	22 11	0 9	10 56	2 17	23 28	0 25	0 33	1 32	0 46	15 42	11 30	11 20	5 18	9 50	6 8
S 12	13 42	21 20	5 7	15 4	1 55	2 8	0 53	15 1	4 27	22 9	0 9	10 58	2 17	23 28	0 25	0 32	1 32	0 46	15 42	11 30	11 21	5 15	9 49	6 8
M13	13 22	25 5	5 18	14 24	1 52	1 36	0 50	15 10	4 27	22 8	0 9	10 59	2 17	23 28	0 25	0 32	1 32	0 45	15 42	11 30	11 22	5 12	9 47	6 8
T 14	13 2	27 24	5 11	13 41	1 48	1 5	0 48	15 18	4 27	22 6	0 9	11 1	2 16	23 28	0 25	0 31	1 32	0 45	15 41	11 30	11 23	5 8	9 46	6 8
W15	12 41	28 12	4 49	12 58	1 43	0 33	0 45	15 27	4 27	22 4	0 9	11 3	2 16	23 28	0 25	0 31	1 32	0 44	15 41	11 30	11 24	5 5	9 45	6 8
T 16	12 21	27 30	4 13	12 13	1 38	0 2	0 42	15 35	4 27	22 2	0 9	11 4	2 16	23 28	0 25	0 30	1 32	0 44	15 41	11 30	11 25	5 2	9 43	6 8
F 17	12 0	25 27	3 26	11 26	1 32	0n30	0 39	15 44	4 27	22 0	0 9	11 6	2 16	23 28	0 25	0 29	1 32	0 43	15 40	11 30	11 26	4 58	9 42	6 8
S 18	11 39	22 15	2 30	10 39	1 26	1 1	0 37	15 52	4 27	21 59	0 9	11 8	2 15	23 29	0 25	0 29	1 32	0 43	15 40	11 30	11 28	4 55	9 41	6 8
S 19	11 17	18 8	1 29	9 50	1 19	1 33	0 34	16 0	4 26	21 57	0 10	11 10	2 15	23 29	0 25	0 28	1 32	0 42	15 40	11 30	11 29	4 52	9 39	6 8
M20	10 56	13 21	0 24	9 0	1 11	2 5	0 31	16 8	4 26	21 55	0 10	11 12	2 15	23 29	0 25	0 28	1 32	0 42	15 40	11 30	11 30	4 48	9 38	6 8
T 21	10 34	8 7	0s42	8 10	1 3	2 36	0 28	16 15	4 25	21 53	0 10	11 13	2 15	23 29	0 25	0 27	1 32	0 41	15 39	11 30	11 31	4 45	9 37	6 8
W22	10 13	2 36	1 46	7 18	0 54	3 8	0 25	16 23	4 24	21 51	0 10	11 15	2 14	23 29	0 25	0 27	1 33	0 41	15 39	11 30	11 32	4 41	9 35	6 8
T 23	9 51	2s59	2 45	6 26	0 45	3 39	0 21	16 30	4 23	21 49	0 10	11 17	2 14	23 29	0 25	0 26	1 33	0 40	15 39	11 30	11 33	4 38	9 34	6 8
F 24	9 29	8 29	3 37	5 33	0 35	4 10	0 18	16 38	4 23	21 48	0 10	11 19	2 14	23 29	0 25	0 26	1 33	0 40	15 38	11 30	11 34	4 35	9 33	6 8
S 25	9 6	13 43	4 20	4 40	0 24	4 41	0 15	16 45	4 21	21 46	0 10	11 21	2 14	23 29	0 25	0 25	1 33	0 39	15 38	11 31	11 35	4 31	9 31	6 8
S 26	8 44	18 29	4 52	3 47	0 13	5 13	0 12	16 51	4 20	21 44	0 10	11 23	2 14	23 29	0 25	0 24	1 33	0 39	15 38	11 31	11 36	4 28	9 30	6 9
M27	8 22	22 36	5 12	2 54	0 1	5 44	0 8	16 58	4 19	21 42	0 11	11 25	2 13	23 29	0 25	0 24	1 33	0 38	15 37	11 31	11 38	4 25	9 29	6 9
T 28	7s59	25s45	5s17	2s 1	0n11	6n15	0s 5	17n 4	4n18	21s40	0s11	11n27	2s13	23n29	0n25	0s23	1n33	0s38	15s37	11s32	11s39	4n21	9s27	6n 9

Julian Day Number = 2311688.5, Delta T = 69.32 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'46, Lahiri = 18°30'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

MARCH 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 35 30	10♓36'32	14♐46	26♓11	17♈14	25°R12	23♑23	6♉ 4	10°R23	4°R30	7♉56	29°D55	29♒31	15♍45	18♒36	W 1
T 2	10 39 27	11°36'34	28° 2	27°49	18°25	24♌51	23°34	6° 9	10♋22	4♎29	7°57	29♒55	29°28	15°52	18°40	T 2
F 3	10 43 23	12°36'34	11♑44	29°23	19°37	24°30	23°46	6°15	10°22	4°27	7°58	29°56	29°25	15°59	18°44	F 3
S 4	10 47 20	13°36'32	25°52	0♈52	20°49	24°10	23°57	6°20	10°21	4°26	7°59	29°57	29°22	16° 5	18°49	S 4
S 5	10 51 17	14°36'29	10♒26	2°16	22° 0	23°50	24° 9	6°26	10°20	4°24	8° 0	29°58	29°19	16°12	18°53	S 5
M 6	10 55 13	15°36'24	25°20	3°34	23°11	23°31	24°20	6°32	10°19	4°23	8° 1	29°R59	29°16	16°19	18°57	M 6
T 7	10 59 10	16°36'17	10♓29	4°46	24°23	23°13	24°31	6°38	10°19	4°21	8° 2	29°59	29°12	16°25	19° 1	T 7
W 8	11 3 6	17°36'08	25°43	5°52	25°34	22°55	24°42	6°44	10°18	4°20	8° 2	29°58	29° 9	16°32	19° 5	W 8
T 9	11 7 3	18°35'57	10♈53	6°51	26°45	22°38	24°53	6°50	10°18	4°18	8° 3	29°56	29° 6	16°39	19° 9	T 9
F 10	11 10 59	19°35'43	25°48	7°42	27°56	22°22	25° 4	6°56	10°17	4°17	8° 4	29°53	29° 3	16°45	19°13	F 10
S 11	11 14 56	20°35'28	10♉22	8°26	29° 7	22° 6	25°15	7° 2	10°17	4°15	8° 5	29°50	29° 0	16°52	19°17	S 11
S 12	11 18 52	21°35'10	24°30	9° 1	0♉18	21°51	25°25	7° 8	10°16	4°13	8° 6	29°48	28°56	16°59	19°21	S 12
M13	11 22 49	22°34'51	8♊10	9°29	1°29	21°37	25°36	7°14	10°16	4°12	8° 7	29°46	28°53	17° 5	19°25	M13
T 14	11 26 46	23°34'29	21°22	9°48	2°39	21°23	25°46	7°21	10°16	4°10	8° 8	29°D46	28°50	17°12	19°28	T 14
W15	11 30 42	24°34'04	4♋11	9°59	3°50	21°11	25°57	7°27	10°16	4° 9	8° 9	29°46	28°47	17°18	19°32	W15
T 16	11 34 39	25°33'37	16°39	10°R 2	5° 0	20°59	26° 7	7°33	10°15	4° 7	8°10	29°47	28°44	17°25	19°36	T 16
F 17	11 38 35	26°33'08	28°51	9°58	6°10	20°47	26°17	7°40	10°15	4° 5	8°11	29°49	28°41	17°32	19°40	F 17
S 18	11 42 32	27°32'37	10♌51	9°45	7°20	20°37	26°27	7°46	10°D15	4° 4	8°12	29°51	28°37	17°38	19°43	S 18
S 19	11 46 28	28°32'03	22°44	9°25	8°30	20°27	26°37	7°53	10°15	4° 2	8°14	29°52	28°34	17°45	19°47	S 19
M20	11 50 25	29°31'27	4♍32	8°59	9°40	20°19	26°47	7°59	10°15	4° 0	8°15	29°R52	28°31	17°52	19°51	M20
T 21	11 54 21	0♈30'49	16°19	8°26	10°50	20°11	26°57	8° 6	10°15	3°59	8°16	29°51	28°28	17°58	19°54	T 21
W22	11 58 18	1°30'09	28° 8	7°49	11°59	20° 3	27° 6	8°13	10°16	3°57	8°17	29°48	28°25	18° 5	19°58	W22
T 23	12 2 15	2°29'27	10♎ 1	7° 7	13° 9	19°57	27°16	8°20	10°16	3°55	8°18	29°43	28°21	18°12	20° 1	T 23
F 24	12 6 11	3°28'42	21°59	6°21	14°18	19°51	27°25	8°26	10°16	3°54	8°19	29°38	28°18	18°18	20° 5	F 24
S 25	12 10 8	4°27'56	4♏ 4	5°33	15°27	19°46	27°34	8°33	10°16	3°52	8°20	29°31	28°15	18°25	20° 8	S 25
S 26	12 14 4	5°27'08	16°18	4°43	16°36	19°42	27°43	8°40	10°17	3°50	8°21	29°25	28°12	18°32	20°12	S 26
M27	12 18 1	6°26'17	28°43	3°53	17°45	19°39	27°52	8°47	10°17	3°49	8°23	29°19	28° 9	18°38	20°15	M27
T 28	12 21 57	7°25'26	11♐21	3° 4	18°54	19°36	28° 1	8°54	10°18	3°47	8°24	29°15	28° 6	18°45	20°19	T 28
W29	12 25 54	8°24'32	24°15	2°16	20° 2	19°34	28°10	9° 1	10°18	3°45	8°25	29°12	28° 2	18°52	20°22	W29
T 30	12 29 50	9°23'37	7♑27	1°30	21°11	19°33	28°19	9° 8	10°19	3°44	8°26	29°D11	27°59	18°58	20°25	T 30
F 31	12 33 47	10♈22'39	20♑59	0♈48	22♉19	19°D33	28♑27	9♉15	10♋20	3♎42	8♉27	29♒11	27♒56	19♍ 5	20♒28	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s36	27s42	5s 7	1s 9	0n24	6n45	0s 2	17n10	4n16	21s38	0s11	11n29	2s13	23n29	0n25	0s23	1n33	0s37	15s37	11s32	11s40	4n18	9s26	6n 9
T 2	7 13	28 9	4 40	0 18	0 37	7 16	0n 2	17 16	4 15	21 36	0 11	11 31	2 13	23 30	0 24	0 22	1 33	0 37	15 36	11 31	11 41	4 15	9 25	6 9
F 3	6 51	26 54	3 57	0n31	0 50	7 46	0 5	17 21	4 13	21 35	0 11	11 33	2 12	23 30	0 24	0 21	1 33	0 36	15 36	11 31	11 42	4 11	9 23	6 9
S 4	6 28	23 56	2 58	1 19	1 4	8 17	0 9	17 27	4 12	21 33	0 11	11 35	2 12	23 30	0 24	0 21	1 33	0 36	15 36	11 31	11 43	4 8	9 22	6 9
S 5	6 4	19 22	1 46	2 5	1 18	8 47	0 12	17 32	4 10	21 31	0 11	11 37	2 12	23 30	0 24	0 20	1 33	0 35	15 36	11 30	11 44	4 5	9 20	6 9
M 6	5 41	13 30	0 26	2 49	1 31	9 17	0 16	17 36	4 8	21 29	0 11	11 39	2 12	23 30	0 24	0 19	1 33	0 34	15 35	11 30	11 45	4 1	9 19	6 9
T 7	5 18	6 46	0n58	3 30	1 45	9 46	0 19	17 41	4 6	21 27	0 12	11 41	2 12	23 30	0 24	0 19	1 33	0 34	15 35	11 30	11 47	3 58	9 18	6 10
W 8	4 55	0n24	2 18	4 8	1 58	10 16	0 23	17 45	4 4	21 25	0 12	11 43	2 11	23 30	0 24	0 18	1 33	0 33	15 35	11 31	11 48	3 54	9 16	6 10
T 9	4 31	7 29	3 27	4 43	2 11	10 45	0 27	17 49	4 2	21 24	0 12	11 45	2 11	23 30	0 24	0 18	1 33	0 33	15 35	11 31	11 49	3 51	9 15	6 10
F 10	4 8	14 3	4 22	5 15	2 23	11 14	0 30	17 52	4 0	21 22	0 12	11 48	2 11	23 30	0 24	0 17	1 33	0 32	15 34	11 32	11 50	3 48	9 14	6 10
S 11	3 44	19 40	4 58	5 43	2 35	11 43	0 34	17 55	3 58	21 20	0 12	11 50	2 11	23 30	0 24	0 16	1 33	0 32	15 34	11 33	11 51	3 44	9 12	6 10
S 12	3 21	24 0	5 14	6 7	2 45	12 11	0 38	17 58	3 56	21 18	0 12	11 52	2 11	23 30	0 24	0 16	1 33	0 31	15 34	11 34	11 52	3 41	9 11	6 10
M13	2 57	26 51	5 12	6 27	2 55	12 40	0 41	18 1	3 54	21 16	0 12	11 54	2 10	23 30	0 24	0 15	1 33	0 31	15 34	11 35	11 53	3 38	9 10	6 11
T 14	2 33	28 5	4 53	6 43	3 4	13 8	0 45	18 3	3 51	21 14	0 12	11 56	2 10	23 30	0 24	0 14	1 33	0 30	15 33	11 35	11 54	3 34	9 8	6 11
W15	2 10	27 46	4 20	6 54	3 12	13 35	0 49	18 5	3 49	21 13	0 13	11 59	2 10	23 30	0 24	0 14	1 33	0 30	15 33	11 35	11 55	3 31	9 7	6 11
T 16	1 46	26 1	3 36	7 2	3 19	14 3	0 53	18 7	3 47	21 11	0 13	12 1	2 10	23 30	0 24	0 13	1 33	0 29	15 33	11 34	11 56	3 28	9 6	6 11
F 17	1 22	23 5	2 42	7 4	3 24	14 30	0 56	18 8	3 44	21 9	0 13	12 3	2 10	23 30	0 24	0 12	1 33	0 29	15 33	11 34	11 58	3 24	9 4	6 11
S 18	0 59	19 12	1 43	7 3	3 27	14 56	1 0	18 9	3 42	21 7	0 13	12 5	2 9	23 30	0 24	0 12	1 33	0 28	15 32	11 33	11 59	3 21	9 3	6 11
S 19	0 35	14 35	0 39	6 57	3 29	15 22	1 4	18 10	3 40	21 6	0 13	12 8	2 9	23 30	0 24	0 11	1 33	0 28	15 32	11 33	12 0	3 17	9 2	6 12
M20	0 11	9 28	0s26	6 46	3 29	15 48	1 8	18 11	3 37	21 4	0 13	12 10	2 9	23 30	0 24	0 10	1 33	0 27	15 32	11 33	12 1	3 14	9 0	6 12
T 21	0n12	4 2	1 29	6 32	3 28	16 14	1 11	18 11	3 35	21 2	0 13	12 12	2 9	23 30	0 24	0 10	1 33	0 26	15 32	11 33	12 2	3 11	8 59	6 12
W22	0 36	1s32	2 29	6 14	3 24	16 39	1 15	18 11	3 32	21 0	0 14	12 15	2 9	23 30	0 24	0 9	1 33	0 26	15 31	11 34	12 3	3 7	8 58	6 12
T 23	1 0	7 4	3 22	5 52	3 19	17 4	1 19	18 11	3 30	20 59	0 14	12 17	2 9	23 30	0 24	0 8	1 33	0 25	15 31	11 36	12 4	3 4	8 56	6 12
F 24	1 23	12 23	4 7	5 28	3 12	17 29	1 22	18 10	3 27	20 57	0 14	12 19	2 8	23 30	0 24	0 8	1 33	0 25	15 31	11 38	12 5	3 1	8 55	6 13
S 25	1 47	17 18	4 41	5 1	3 4	17 53	1 26	18 9	3 25	20 55	0 14	12 22	2 8	23 30	0 24	0 7	1 33	0 24	15 31	11 40	12 6	2 57	8 54	6 13
S 26	2 10	21 35	5 3	4 32	2 54	18 16	1 30	18 8	3 22	20 54	0 14	12 24	2 8	23 30	0 24	0 6	1 33	0 24	15 31	11 42	12 8	2 54	8 53	6 13
M27	2 34	24 58	5 11	4 2	2 42	18 39	1 33	18 7	3 20	20 52	0 14	12 26	2 8	23 30	0 24	0 6	1 33	0 23	15 30	11 44	12 9	2 51	8 51	6 13
T 28	2 57	27 12	5 4	3 30	2 29	19 2	1 37	18 6	3 17	20 50	0 14	12 29	2 8	23 30	0 24	0 5	1 33	0 23	15 30	11 46	12 10	2 47	8 50	6 14
W29	3 21	28 4	4 42	2 59	2 16	19 24	1 41	18 4	3 15	20 49	0 15	12 31	2 8	23 29	0 24	0 4	1 33	0 22	15 30	11 47	12 11	2 44	8 49	6 14
T 30	3 44	27 21	4 4	2 27	2 1	19 46	1 44	18 2	3 12	20 47	0 15	12 33	2 8	23 29	0 24	0 4	1 33	0 22	15 30	11 47	12 12	2 40	8 48	6 14
F 31	4n 7	25s 1	3s13	1n56	1n46	20n 7	1n48	18n 0	3n10	20s46	0s15	12n36	2s 7	23n29	0n24	0s 3	1n33	0s21	15s30	11s47	12s13	2n37	8s46	6n14

Julian Day Number = 2311716.5, Delta T = 69.25 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'50, Lahiri = 18°30'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

APRIL 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 44	11♈21'40	4♒54	0°R 9	23♉27	19♌33	28♏35	9♉22	10♋20	3°R41	8♉29	29♒13	27♒53	19♍12	20♒32	S 1
S 2	12 41 40	12°20'40	19°12	29♓34	24°35	19°34	28°44	9°30	10°21	3♎39	8°30	29°14	27°50	19°18	20°35	S 2
M 3	12 45 37	13°19'37	3♓50	29° 4	25°43	19°36	28°52	9°37	10°22	3°37	8°31	29°R14	27°47	19°25	20°38	M 3
T 4	12 49 33	14°18'32	18°46	28°39	26°50	19°38	29° 0	9°44	10°23	3°36	8°32	29°13	27°43	19°32	20°41	T 4
W 5	12 53 30	15°17'26	3♈52	28°19	27°58	19°42	29° 8	9°51	10°24	3°34	8°34	29° 9	27°40	19°38	20°44	W 5
T 6	12 57 26	16°16'18	18°59	28° 4	29° 5	19°46	29°15	9°59	10°25	3°32	8°35	29° 3	27°37	19°45	20°47	T 6
F 7	13 1 23	17°15'07	3♉58	27°55	0♊12	19°50	29°23	10° 6	10°26	3°31	8°36	28°56	27°34	19°52	20°50	F 7
S 8	13 5 19	18°13'55	18°39	27°D51	1°19	19°56	29°30	10°13	10°27	3°29	8°37	28°49	27°31	19°58	20°52	S 8
S 9	13 9 16	19°12'40	2♊55	27°52	2°25	20° 1	29°37	10°21	10°28	3°28	8°39	28°41	27°27	20° 5	20°55	S 9
M10	13 13 12	20°11'24	16°43	27°59	3°32	20° 8	29°45	10°28	10°29	3°26	8°40	28°35	27°24	20°11	20°58	M10
T 11	13 17 9	21°10'05	0♋ 3	28°10	4°38	20°15	29°52	10°36	10°30	3°24	8°41	28°31	27°21	20°18	21° 1	T 11
W12	13 21 6	22° 8'44	12°55	28°26	5°44	20°23	29°58	10°43	10°32	3°23	8°43	28°29	27°18	20°25	21° 3	W12
T 13	13 25 2	23° 7'20	25°25	28°47	6°50	20°32	0♒ 5	10°51	10°33	3°21	8°44	28°D28	27°15	20°31	21° 6	T 13
F 14	13 28 59	24° 5'55	7♌36	29°13	7°56	20°41	0°11	10°58	10°34	3°20	8°45	28°29	27°12	20°38	21° 9	F 14
S 15	13 32 55	25° 4'27	19°34	29°43	9° 1	20°50	0°18	11° 6	10°36	3°18	8°47	28°30	27° 8	20°45	21°11	S 15
S 16	13 36 52	26° 2'57	1♍24	0♈17	10° 6	21° 1	0°24	11°13	10°37	3°17	8°48	28°R30	27° 5	20°51	21°13	S 16
M17	13 40 48	27° 1'25	13°11	0°55	11°11	21°12	0°30	11°21	10°39	3°15	8°49	28°29	27° 2	20°58	21°16	M17
T 18	13 44 45	27°59'50	24°58	1°36	12°16	21°23	0°36	11°29	10°40	3°14	8°51	28°25	26°59	21° 5	21°18	T 18
W19	13 48 41	28°58'14	6♎51	2°22	13°20	21°35	0°42	11°36	10°42	3°12	8°52	28°19	26°56	21°11	21°20	W19
T 20	13 52 38	29°56'35	18°50	3°11	14°24	21°47	0°47	11°44	10°43	3°11	8°53	28°11	26°52	21°18	21°23	T 20
F 21	13 56 35	0♉54'55	0♏58	4° 3	15°28	22° 0	0°53	11°52	10°45	3°10	8°55	28° 1	26°49	21°25	21°25	F 21
S 22	14 0 31	1°53'13	13°15	4°58	16°31	22°14	0°58	11°59	10°47	3° 8	8°56	27°49	26°46	21°31	21°27	S 22
S 23	14 4 28	2°51'29	25°44	5°56	17°35	22°28	1° 3	12° 7	10°49	3° 7	8°57	27°38	26°43	21°38	21°29	S 23
M24	14 8 24	3°49'44	8♐24	6°58	18°38	22°42	1° 8	12°15	10°51	3° 5	8°59	27°27	26°40	21°45	21°31	M24
T 25	14 12 21	4°47'57	21°15	8° 2	19°40	22°57	1°13	12°22	10°53	3° 4	9° 0	27°18	26°37	21°51	21°33	T 25
W26	14 16 17	5°46'09	4♑19	9° 9	20°43	23°13	1°17	12°30	10°54	3° 3	9° 1	27°12	26°33	21°58	21°35	W26
T 27	14 20 14	6°44'19	17°36	10°18	21°45	23°29	1°22	12°38	10°56	3° 1	9° 3	27° 8	26°30	22° 5	21°37	T 27
F 28	14 24 10	7°42'27	1♒ 8	11°30	22°47	23°45	1°26	12°45	10°58	3° 0	9° 4	27° 7	26°27	22°11	21°39	F 28
S 29	14 28 7	8°40'34	14°56	12°44	23°48	24° 2	1°30	12°53	11° 1	2°59	9° 5	27°D 7	26°24	22°18	21°40	S 29
S 30	14 32 4	9♉38'40	29♒ 1	14♈ 1	24♊49	24♌19	1♒34	13♉ 1	11♋ 3	2♎57	9♉ 7	27°R 7	26♒21	22♍25	21♒42	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n30	21s 9	2s 8	1n26	1n30	20n28	1n51	17n57	3n 8	20s44	0s15	12n38	2s 7	23n29	0n24	0s 2	1n33	0s21	15s30	11s46	12s14	2n34	8s45	6n15
S 2	4 53	15 58	0 54	0 57	1 14	20 49	1 55	17 54	3 5	20 42	0 15	12 41	2 7	23 29	0 24	0 2	1 33	0 20	15 29	11 46	12 15	2 30	8 44	6 15
M 3	5 16	9 44	0n25	0 30	0 57	21 9	1 58	17 52	3 3	20 41	0 15	12 43	2 7	23 29	0 24	0 1	1 33	0 19	15 29	11 46	12 16	2 27	8 43	6 15
T 4	5 39	2 52	1 44	0 5	0 41	21 28	2 2	17 48	3 0	20 39	0 15	12 45	2 7	23 29	0 24	0 0	1 33	0 19	15 29	11 46	12 17	2 24	8 41	6 15
W 5	6 2	4n14	2 56	0s17	0 25	21 47	2 5	17 45	2 58	20 38	0 16	12 48	2 7	23 29	0 24	0n 0	1 33	0 18	15 29	11 48	12 19	2 20	8 40	6 16
T 6	6 25	11 5	3 56	0 37	0 10	22 5	2 8	17 42	2 55	20 37	0 16	12 50	2 7	23 29	0 24	0 1	1 33	0 18	15 29	11 50	12 20	2 17	8 39	6 16
F 7	6 47	17 14	4 39	0 55	0s 6	22 23	2 12	17 38	2 53	20 35	0 16	12 53	2 7	23 29	0 24	0 2	1 33	0 17	15 29	11 52	12 21	2 14	8 38	6 16
S 8	7 10	22 15	5 3	1 10	0 21	22 40	2 15	17 34	2 51	20 34	0 16	12 55	2 6	23 29	0 24	0 2	1 33	0 17	15 29	11 55	12 22	2 10	8 37	6 17
S 9	7 32	25 48	5 7	1 23	0 35	22 57	2 18	17 30	2 48	20 32	0 16	12 57	2 6	23 29	0 24	0 3	1 33	0 16	15 28	11 57	12 23	2 7	8 36	6 17
M10	7 54	27 41	4 52	1 33	0 49	23 13	2 21	17 25	2 46	20 31	0 16	13 0	2 6	23 28	0 24	0 3	1 33	0 16	15 28	12 0	12 24	2 3	8 34	6 17
T 11	8 17	27 52	4 23	1 40	1 2	23 29	2 24	17 21	2 43	20 30	0 17	13 2	2 6	23 28	0 24	0 4	1 33	0 15	15 28	12 1	12 25	2 0	8 33	6 18
W12	8 39	26 31	3 40	1 45	1 14	23 44	2 27	17 16	2 41	20 28	0 17	13 5	2 6	23 28	0 24	0 5	1 33	0 15	15 28	12 2	12 26	1 57	8 32	6 18
T 13	9 0	23 52	2 48	1 48	1 26	23 58	2 30	17 11	2 39	20 27	0 17	13 7	2 6	23 28	0 24	0 5	1 33	0 14	15 28	12 2	12 27	1 53	8 31	6 18
F 14	9 22	20 11	1 50	1 48	1 37	24 12	2 33	17 6	2 37	20 26	0 17	13 9	2 6	23 28	0 24	0 6	1 33	0 14	15 28	12 2	12 28	1 50	8 30	6 18
S 15	9 44	15 44	0 48	1 45	1 47	24 25	2 36	17 1	2 34	20 25	0 17	13 12	2 6	23 28	0 24	0 6	1 33	0 13	15 28	12 1	12 29	1 47	8 29	6 19
S 16	10 5	10 46	0s16	1 40	1 57	24 38	2 39	16 55	2 32	20 24	0 17	13 14	2 6	23 28	0 24	0 7	1 33	0 13	15 28	12 1	12 31	1 43	8 28	6 19
M17	10 26	5 26	1 18	1 33	2 6	24 50	2 41	16 50	2 30	20 22	0 18	13 17	2 5	23 28	0 24	0 8	1 33	0 12	15 28	12 2	12 32	1 40	8 27	6 19
T 18	10 47	0s 5	2 17	1 24	2 14	25 1	2 44	16 44	2 28	20 21	0 18	13 19	2 5	23 28	0 24	0 8	1 33	0 12	15 27	12 3	12 33	1 37	8 26	6 20
W19	11 8	5 38	3 10	1 13	2 21	25 12	2 46	16 38	2 25	20 20	0 18	13 22	2 5	23 27	0 24	0 9	1 33	0 11	15 27	12 5	12 34	1 33	8 25	6 20
T 20	11 29	11 1	3 55	1 0	2 28	25 22	2 49	16 32	2 23	20 19	0 18	13 24	2 5	23 27	0 24	0 9	1 33	0 11	15 27	12 8	12 35	1 30	8 24	6 20
F 21	11 49	16 3	4 30	0 44	2 34	25 32	2 51	16 26	2 21	20 18	0 18	13 26	2 5	23 27	0 24	0 10	1 33	0 11	15 27	12 11	12 36	1 26	8 23	6 21
S 22	12 9	20 30	4 53	0 27	2 39	25 41	2 53	16 19	2 19	20 17	0 18	13 29	2 5	23 27	0 24	0 10	1 33	0 10	15 27	12 15	12 37	1 23	8 22	6 21
S 23	12 29	24 8	5 3	0 8	2 44	25 49	2 56	16 13	2 17	20 16	0 19	13 31	2 5	23 27	0 24	0 11	1 33	0 10	15 27	12 19	12 38	1 20	8 21	6 21
M24	12 49	26 39	4 57	0n12	2 47	25 57	2 58	16 6	2 15	20 15	0 19	13 34	2 5	23 27	0 24	0 11	1 33	0 9	15 27	12 23	12 39	1 16	8 20	6 22
T 25	13 9	27 49	4 37	0 35	2 51	26 4	3 0	15 59	2 13	20 14	0 19	13 36	2 5	23 26	0 24	0 12	1 33	0 9	15 27	12 26	12 40	1 13	8 19	6 22
W26	13 28	27 27	4 2	0 59	2 53	26 11	3 1	15 52	2 11	20 14	0 19	13 38	2 5	23 26	0 24	0 12	1 33	0 8	15 27	12 28	12 41	1 10	8 18	6 22
T 27	13 48	25 32	3 14	1 24	2 55	26 17	3 3	15 45	2 9	20 13	0 19	13 41	2 5	23 26	0 24	0 13	1 33	0 8	15 27	12 30	12 42	1 6	8 17	6 23
F 28	14 7	22 7	2 13	1 51	2 56	26 22	3 5	15 38	2 7	20 12	0 20	13 43	2 5	23 26	0 24	0 13	1 33	0 7	15 27	12 30	12 44	1 3	8 16	6 23
S 29	14 25	17 25	1 4	2 19	2 57	26 27	3 6	15 30	2 5	20 11	0 20	13 46	2 5	23 26	0 24	0 14	1 33	0 7	15 27	12 30	12 45	1 0	8 15	6 24
S 30	14n44	11s41	0n10	2n49	2s57	26n31	3n 8	15n23	2n 3	20s11	0s20	13n48	2s 5	23n26	0n24	0n14	1n33	0s 7	15s27	12s30	12s46	0n56	8s14	6n24

Julian Day Number = 2311747.5, Delta T = 69.16 sec
Ecliptic obliquity = 23°29'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'54, Lahiri = 18°30'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

MAY 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 36 0	10♉36'44	13♓22	15♈20	25♊50	24♌37	1♒38	13♉ 9	11♋ 5	2°R56	9♉ 8	27°R 6	26♒18	22♍31	21♒44	M 1
T 2	14 39 57	11°34'46	27°58	16°41	26°50	24°55	1°41	13°16	11° 7	2♎55	9°10	27♒ 3	26°14	22°38	21°45	T 2
W 3	14 43 53	12°32'48	12♈44	18° 5	27°51	25°13	1°44	13°24	11° 9	2°54	9°11	26°57	26°11	22°45	21°47	W 3
T 4	14 47 50	13°30'48	27°33	19°31	28°50	25°32	1°48	13°32	11°12	2°53	9°12	26°49	26° 8	22°51	21°48	T 4
F 5	14 51 46	14°28'46	12♉17	20°59	29°49	25°51	1°51	13°40	11°14	2°51	9°14	26°39	26° 5	22°58	21°49	F 5
S 6	14 55 43	15°26'43	26°49	22°29	0♋48	26°11	1°53	13°48	11°16	2°50	9°15	26°28	26° 2	23° 5	21°51	S 6
S 7	14 59 39	16°24'39	11♊ 2	24° 1	1°47	26°31	1°56	13°55	11°19	2°49	9°16	26°17	25°58	23°11	21°52	S 7
M 8	15 3 36	17°22'32	24°49	25°36	2°45	26°52	1°58	14° 3	11°21	2°48	9°18	26° 7	25°55	23°18	21°53	M 8
T 9	15 7 33	18°20'24	8♋10	27°12	3°42	27°13	2° 1	14°11	11°24	2°47	9°19	26° 0	25°52	23°25	21°54	T 9
W10	15 11 29	19°18'15	21° 5	28°51	4°39	27°34	2° 3	14°19	11°26	2°46	9°20	25°55	25°49	23°31	21°55	W10
T 11	15 15 26	20°16'03	3♌37	0♉31	5°36	27°55	2° 5	14°26	11°29	2°45	9°22	25°52	25°46	23°38	21°56	T 11
F 12	15 19 22	21°13'50	15°50	2°14	6°32	28°17	2° 6	14°34	11°31	2°44	9°23	25°52	25°43	23°45	21°57	F 12
S 13	15 23 19	22°11'35	27°49	3°59	7°28	28°39	2° 8	14°42	11°34	2°43	9°24	25°51	25°39	23°51	21°58	S 13
S 14	15 27 15	23° 9'19	9♍40	5°46	8°23	29° 2	2° 9	14°49	11°37	2°42	9°26	25°51	25°36	23°58	21°59	S 14
M15	15 31 12	24° 7'00	21°29	7°35	9°17	29°25	2°10	14°57	11°39	2°41	9°27	25°49	25°33	24° 5	22° 0	M15
T 16	15 35 8	25° 4'41	3♎19	9°26	10°11	29°48	2°11	15° 5	11°42	2°40	9°28	25°45	25°30	24°11	22° 0	T 16
W17	15 39 5	26° 2'19	15°15	11°19	11° 5	0♍11	2°12	15°13	11°45	2°40	9°30	25°38	25°27	24°18	22° 1	W17
T 18	15 43 2	26°59'57	27°21	13°15	11°57	0°35	2°13	15°20	11°48	2°39	9°31	25°29	25°24	24°25	22° 1	T 18
F 19	15 46 58	27°57'33	9♏40	15°12	12°50	0°59	2°13	15°28	11°50	2°38	9°32	25°18	25°20	24°31	22° 2	F 19
S 20	15 50 55	28°55'07	22°12	17°11	13°41	1°23	2°R13	15°35	11°53	2°37	9°34	25° 5	25°17	24°38	22° 2	S 20
S 21	15 54 51	29°52'41	4♐58	19°12	14°32	1°48	2°13	15°43	11°56	2°37	9°35	24°52	25°14	24°45	22° 3	S 21
M22	15 58 48	0♊50'13	17°57	21°15	15°22	2°13	2°13	15°51	11°59	2°36	9°36	24°40	25°11	24°51	22° 3	M22
T 23	16 2 44	1°47'44	1♑ 9	23°20	16°11	2°38	2°13	15°58	12° 2	2°35	9°37	24°30	25° 8	24°58	22° 3	T 23
W24	16 6 41	2°45'15	14°32	25°27	17° 0	3° 4	2°12	16° 6	12° 5	2°34	9°39	24°23	25° 4	25° 5	22° 4	W24
T 25	16 10 38	3°42'44	28° 5	27°34	17°47	3°29	2°11	16°13	12° 8	2°34	9°40	24°18	25° 1	25°11	22° 4	T 25
F 26	16 14 34	4°40'13	11♒47	29°43	18°34	3°55	2°10	16°21	12°11	2°33	9°41	24°16	24°58	25°18	22°R 4	F 26
S 27	16 18 31	5°37'40	25°40	1♊54	19°20	4°21	2° 9	16°28	12°14	2°33	9°42	24°D16	24°55	25°25	22° 4	S 27
S 28	16 22 27	6°35'07	9♓41	4° 5	20° 6	4°48	2° 8	16°36	12°17	2°32	9°44	24°R16	24°52	25°31	22° 4	S 28
M29	16 26 24	7°32'34	23°52	6°16	20°50	5°15	2° 6	16°43	12°20	2°32	9°45	24°15	24°49	25°38	22° 3	M29
T 30	16 30 20	8°29'59	8♈10	8°28	21°34	5°42	2° 5	16°51	12°24	2°31	9°46	24°12	24°45	25°45	22° 3	T 30
W31	16 34 17	9♊27'24	22♈33	10♊40	22♋16	6♍ 9	2♒ 3	16♉58	12♋27	2♎31	9♉47	24♒ 7	24♒42	25♍51	22♒ 3	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 2	5s14	1n25	3n20	2s57	26n34	3n 9	15n15	2n 1	20s10	0s20	13n50	2s 5	23n25	0n24	0n15	1n33	0s 6	15s27	12s30	12s47	0n53	8s14	6n24
T 2	15 20	1n34	2 36	3 52	2 55	26 37	3 10	15 7	1 59	20 9	0 20	13 53	2 5	23 25	0 24	0 15	1 33	0 6	15 27	12 31	12 48	0 49	8 13	6 25
W 3	15 38	8 22	3 37	4 26	2 54	26 40	3 11	14 59	1 57	20 9	0 20	13 55	2 4	23 25	0 24	0 16	1 33	0 5	15 27	12 33	12 49	0 46	8 12	6 25
T 4	15 56	14 43	4 23	5 1	2 51	26 41	3 12	14 51	1 55	20 8	0 21	13 57	2 4	23 25	0 24	0 16	1 33	0 5	15 27	12 36	12 50	0 43	8 11	6 25
F 5	16 13	20 11	4 52	5 36	2 48	26 42	3 13	14 42	1 53	20 8	0 21	14 0	2 4	23 25	0 24	0 17	1 33	0 4	15 27	12 40	12 51	0 39	8 10	6 26
S 6	16 30	24 22	5 1	6 13	2 45	26 43	3 14	14 34	1 52	20 7	0 21	14 2	2 4	23 24	0 24	0 17	1 33	0 4	15 27	12 43	12 52	0 36	8 10	6 26
S 7	16 47	26 57	4 51	6 51	2 41	26 43	3 14	14 25	1 50	20 7	0 21	14 4	2 4	23 24	0 24	0 18	1 33	0 4	15 27	12 47	12 53	0 33	8 9	6 26
M 8	17 3	27 48	4 25	7 29	2 36	26 42	3 14	14 17	1 48	20 7	0 21	14 7	2 4	23 24	0 24	0 18	1 33	0 3	15 27	12 50	12 54	0 29	8 8	6 27
T 9	17 20	26 58	3 44	8 9	2 31	26 41	3 15	14 8	1 46	20 6	0 22	14 9	2 4	23 24	0 24	0 18	1 33	0 3	15 27	12 53	12 55	0 26	8 7	6 27
W10	17 35	24 41	2 53	8 49	2 25	26 39	3 15	13 59	1 45	20 6	0 22	14 11	2 4	23 23	0 24	0 19	1 33	0 3	15 27	12 55	12 56	0 23	8 7	6 28
T 11	17 51	21 15	1 55	9 30	2 19	26 37	3 15	13 50	1 43	20 6	0 22	14 14	2 4	23 23	0 24	0 19	1 33	0 2	15 27	12 55	12 58	0 19	8 6	6 28
F 12	18 6	16 58	0 53	10 12	2 13	26 34	3 14	13 40	1 41	20 6	0 22	14 16	2 4	23 23	0 24	0 19	1 32	0 2	15 27	12 56	12 59	0 16	8 5	6 28
S 13	18 21	12 6	0s10	10 54	2 5	26 30	3 14	13 31	1 39	20 5	0 22	14 18	2 4	23 23	0 24	0 20	1 32	0 1	15 27	12 56	13 0	0 13	8 5	6 29
S 14	18 36	6 50	1 13	11 37	1 58	26 26	3 13	13 22	1 38	20 5	0 23	14 20	2 4	23 23	0 24	0 20	1 32	0 1	15 27	12 56	13 1	0 9	8 4	6 29
M15	18 51	1 23	2 11	12 20	1 50	26 22	3 13	13 12	1 36	20 5	0 23	14 23	2 4	23 22	0 24	0 20	1 32	0 1	15 27	12 56	13 2	0 6	8 4	6 29
T 16	19 5	4s 8	3 4	13 4	1 41	26 17	3 12	13 2	1 34	20 5	0 23	14 25	2 4	23 22	0 24	0 21	1 32	0 0	15 27	12 58	13 3	0 2	8 3	6 30
W17	19 18	9 33	3 50	13 48	1 32	26 12	3 11	12 52	1 33	20 5	0 23	14 27	2 4	23 22	0 24	0 21	1 32	0 0	15 27	13 0	13 4	0s 1	8 2	6 30
T 18	19 32	14 41	4 25	14 32	1 23	26 6	3 9	12 43	1 31	20 5	0 23	14 29	2 4	23 22	0 24	0 21	1 32	0n 0	15 27	13 3	13 5	0 4	8 2	6 31
F 19	19 45	19 18	4 49	15 15	1 14	25 59	3 8	12 32	1 29	20 5	0 24	14 32	2 4	23 21	0 24	0 22	1 32	0 1	15 27	13 7	13 6	0 8	8 1	6 31
S 20	19 58	23 11	5 0	15 59	1 4	25 52	3 6	12 22	1 28	20 6	0 24	14 34	2 4	23 21	0 24	0 22	1 32	0 1	15 27	13 11	13 7	0 11	8 1	6 31
S 21	20 10	26 1	4 56	16 42	0 53	25 45	3 4	12 12	1 26	20 6	0 24	14 36	2 4	23 21	0 24	0 22	1 32	0 1	15 28	13 16	13 8	0 14	8 0	6 32
M22	20 22	27 32	4 36	17 25	0 43	25 37	3 2	12 2	1 25	20 6	0 24	14 38	2 4	23 20	0 24	0 22	1 32	0 1	15 28	13 20	13 9	0 18	8 0	6 32
T 23	20 34	27 31	4 2	18 7	0 33	25 29	3 0	11 51	1 23	20 6	0 24	14 40	2 4	23 20	0 24	0 23	1 32	0 2	15 28	13 23	13 10	0 21	7 59	6 33
W24	20 45	25 54	3 14	18 49	0 22	25 21	2 58	11 40	1 22	20 7	0 25	14 42	2 4	23 20	0 24	0 23	1 32	0 2	15 28	13 25	13 11	0 24	7 59	6 33
T 25	20 56	22 46	2 14	19 29	0 11	25 12	2 55	11 30	1 20	20 7	0 25	14 45	2 4	23 20	0 24	0 23	1 32	0 2	15 28	13 27	13 13	0 28	7 59	6 33
F 26	21 7	18 20	1 6	20 8	0 0	25 2	2 52	11 19	1 19	20 7	0 25	14 47	2 4	23 19	0 24	0 23	1 32	0 3	15 28	13 28	13 14	0 31	7 58	6 34
S 27	21 17	12 53	0n 7	20 45	0n10	24 53	2 49	11 8	1 17	20 8	0 25	14 49	2 4	23 19	0 24	0 23	1 32	0 3	15 28	13 28	13 15	0 34	7 58	6 34
S 28	21 27	6 42	1 21	21 21	0 21	24 43	2 46	10 57	1 16	20 8	0 25	14 51	2 4	23 19	0 24	0 24	1 32	0 3	15 28	13 28	13 16	0 38	7 58	6 34
M29	21 37	0 9	2 30	21 55	0 31	24 32	2 42	10 46	1 14	20 9	0 26	14 53	2 4	23 18	0 24	0 24	1 32	0 3	15 28	13 28	13 17	0 41	7 57	6 35
T 30	21 46	6n28	3 30	22 26	0 41	24 22	2 38	10 34	1 13	20 9	0 26	14 55	2 4	23 18	0 24	0 24	1 32	0 4	15 28	13 29	13 18	0 44	7 57	6 35
W31	21n55	12n46	4n18	22n56	0n50	24n11	2n34	10n23	1n11	20s10	0s26	14n57	2s 4	23n18	0n24	0n24	1n32	0n 4	15s29	13s31	13s19	0s48	7s57	6n36

Julian Day Number = 2311777.5, Delta T = 69.08 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°23'58, Lahiri = 18°30'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

JUNE 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 38 13	10♊24'49	6♉58	12♊52	22♋57	6♍36	2°R 1	17♉ 6	12♋30	2°R30	9♉49	23°R59	24♒39	25♍58	22°R 3	T 1
F 2	16 42 10	11°22'13	21°18	15° 4	23°38	7° 4	1♒58	17°13	12°33	2♎30	9°50	23♒50	24°36	26° 5	22♒ 2	F 2
S 3	16 46 7	12°19'36	5♊28	17°14	24°17	7°32	1°56	17°20	12°36	2°30	9°51	23°39	24°33	26°11	22° 2	S 3
S 4	16 50 3	13°16'58	19°23	19°24	24°55	8° 0	1°53	17°27	12°40	2°29	9°52	23°28	24°30	26°18	22° 1	S 4
M 5	16 54 0	14°14'20	2♋58	21°32	25°32	8°28	1°50	17°35	12°43	2°29	9°53	23°19	24°26	26°25	22° 1	M 5
T 6	16 57 56	15°11'40	16°12	23°40	26° 8	8°57	1°47	17°42	12°46	2°29	9°54	23°11	24°23	26°31	22° 0	T 6
W 7	17 1 53	16° 9'00	29° 3	25°45	26°43	9°25	1°44	17°49	12°50	2°29	9°56	23° 6	24°20	26°38	22° 0	W 7
T 8	17 5 49	17° 6'19	11♌33	27°49	27°16	9°54	1°41	17°56	12°53	2°28	9°57	23° 4	24°17	26°45	21°59	T 8
F 9	17 9 46	18° 3'37	23°46	29°51	27°48	10°24	1°37	18° 3	12°56	2°28	9°58	23°D 3	24°14	26°51	21°58	F 9
S 10	17 13 42	19° 0'54	5♍47	1♋50	28°18	10°53	1°34	18°10	13° 0	2°28	9°59	23° 4	24°10	26°58	21°57	S 10
S 11	17 17 39	19°58'10	17°39	3°48	28°47	11°22	1°30	18°17	13° 3	2°28	10° 0	23°R 4	24° 7	27° 5	21°56	S 11
M12	17 21 36	20°55'26	29°28	5°44	29°15	11°52	1°26	18°24	13° 7	2°28	10° 1	23° 4	24° 4	27°11	21°55	M12
T 13	17 25 32	21°52'40	11♎21	7°37	29°40	12°22	1°21	18°31	13°10	2°D28	10° 2	23° 2	24° 1	27°18	21°54	T 13
W14	17 29 29	22°49'54	23°21	9°28	0♌ 4	12°52	1°17	18°38	13°13	2°28	10° 3	22°58	23°58	27°25	21°53	W14
T 15	17 33 25	23°47'07	5♏32	11°17	0°27	13°22	1°13	18°45	13°17	2°28	10° 4	22°51	23°55	27°31	21°52	T 15
F 16	17 37 22	24°44'20	17°59	13° 4	0°47	13°53	1° 8	18°52	13°20	2°28	10° 5	22°43	23°51	27°38	21°51	F 16
S 17	17 41 18	25°41'32	0♐42	14°48	1° 6	14°24	1° 3	18°59	13°24	2°28	10° 6	22°34	23°48	27°45	21°49	S 17
S 18	17 45 15	26°38'44	13°44	16°30	1°23	14°54	0°58	19° 5	13°27	2°28	10° 7	22°24	23°45	27°51	21°48	S 18
M19	17 49 11	27°35'55	27° 2	18°10	1°38	15°25	0°53	19°12	13°31	2°28	10° 8	22°15	23°42	27°58	21°47	M19
T 20	17 53 8	28°33'06	10♑37	19°48	1°51	15°57	0°48	19°19	13°35	2°29	10° 9	22° 8	23°39	28° 5	21°45	T 20
W21	17 57 5	29°30'17	24°23	21°23	2° 2	16°28	0°42	19°25	13°38	2°29	10°10	22° 3	23°36	28°11	21°44	W21
T 22	18 1 1	0♋27'28	8♒20	22°55	2°11	16°59	0°36	19°32	13°42	2°29	10°11	22° 0	23°32	28°18	21°42	T 22
F 23	18 4 58	1°24'38	22°23	24°26	2°17	17°31	0°31	19°38	13°45	2°29	10°12	21°D59	23°29	28°25	21°41	F 23
S 24	18 8 54	2°21'49	6♓31	25°54	2°22	18° 3	0°25	19°45	13°49	2°30	10°13	22° 0	23°26	28°31	21°39	S 24
S 25	18 12 51	3°18'59	20°41	27°19	2°R24	18°35	0°19	19°51	13°52	2°30	10°14	22° 1	23°23	28°38	21°37	S 25
M26	18 16 47	4°16'10	4♈51	28°42	2°24	19° 7	0°13	19°57	13°56	2°31	10°15	22°R 1	23°20	28°45	21°35	M26
T 27	18 20 44	5°13'21	19° 1	0♌ 3	2°21	19°39	0° 6	20° 4	14° 0	2°31	10°16	22° 0	23°16	28°51	21°34	T 27
W28	18 24 40	6°10'33	3♉ 8	1°21	2°16	20°12	0° 0	20°10	14° 3	2°31	10°16	21°58	23°13	28°58	21°32	W28
T 29	18 28 37	7° 7'45	17°10	2°37	2° 9	20°44	29♑54	20°16	14° 7	2°32	10°17	21°53	23°10	29° 5	21°30	T 29
F 30	18 32 34	8♋ 4'57	1♊ 4	3♌50	1♌59	21♍17	29♑47	20♉22	14♋11	2♎32	10♉18	21♒47	23♒ 7	29♍11	21♒28	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 3	18n24	4n49	23n22	1n 0	24n 0	2n30	10n12	1n10	20s11	0s26	14n59	2s 4	23n18	0n24	0n24	1n32	0n 4	15s29	13s33	13s20	0s51	7s56	6n36
F 2	22 12	22 58	5 1	23 47	1 8	23 48	2 25	10 0	1 9	20 11	0 26	15 1	2 5	23 17	0 24	0 24	1 32	0 4	15 29	13 36	13 21	0 54	7 56	6 36
S 3	22 19	26 6	4 55	24 9	1 16	23 36	2 20	9 48	1 7	20 12	0 27	15 3	2 5	23 17	0 24	0 24	1 32	0 5	15 29	13 40	13 22	0 58	7 56	6 37
S 4	22 27	27 35	4 32	24 27	1 24	23 24	2 15	9 36	1 6	20 13	0 27	15 5	2 5	23 17	0 24	0 25	1 32	0 5	15 29	13 44	13 23	1 1	7 56	6 37
M 5	22 33	27 21	3 53	24 44	1 31	23 12	2 10	9 25	1 5	20 14	0 27	15 7	2 5	23 16	0 24	0 25	1 32	0 5	15 29	13 47	13 24	1 4	7 56	6 37
T 6	22 40	25 32	3 3	24 57	1 37	23 0	2 4	9 13	1 3	20 15	0 27	15 9	2 5	23 16	0 24	0 25	1 32	0 5	15 29	13 49	13 25	1 8	7 55	6 38
W 7	22 46	22 25	2 4	25 8	1 42	22 47	1 58	9 0	1 2	20 16	0 27	15 11	2 5	23 16	0 24	0 25	1 31	0 5	15 30	13 51	13 26	1 11	7 55	6 38
T 8	22 52	18 20	1 1	25 15	1 47	22 35	1 52	8 48	1 1	20 17	0 28	15 13	2 5	23 15	0 24	0 25	1 31	0 5	15 30	13 52	13 27	1 14	7 55	6 38
F 9	22 57	13 34	0s 4	25 21	1 51	22 22	1 45	8 36	0 59	20 18	0 28	15 15	2 5	23 15	0 24	0 25	1 31	0 6	15 30	13 52	13 28	1 18	7 55	6 39
S 10	23 2	8 22	1 7	25 23	1 54	22 9	1 38	8 24	0 58	20 19	0 28	15 17	2 5	23 15	0 24	0 25	1 31	0 6	15 30	13 52	13 30	1 21	7 55	6 39
S 11	23 7	2 56	2 7	25 23	1 57	21 56	1 31	8 11	0 57	20 20	0 28	15 19	2 5	23 14	0 24	0 25	1 31	0 6	15 30	13 51	13 31	1 24	7 55	6 40
M12	23 11	2s34	3 2	25 21	1 59	21 43	1 23	7 59	0 55	20 21	0 28	15 20	2 5	23 14	0 24	0 25	1 31	0 6	15 30	13 52	13 32	1 28	7 55	6 40
T 13	23 14	8 0	3 48	25 16	2 0	21 30	1 15	7 46	0 54	20 22	0 29	15 22	2 5	23 14	0 24	0 25	1 31	0 6	15 31	13 52	13 33	1 31	7 55	6 40
W14	23 18	13 12	4 26	25 9	2 0	21 16	1 7	7 33	0 53	20 23	0 29	15 24	2 5	23 13	0 24	0 25	1 31	0 6	15 31	13 54	13 34	1 34	7 55	6 41
T 15	23 21	17 58	4 51	25 0	2 0	21 3	0 59	7 21	0 52	20 24	0 29	15 26	2 5	23 13	0 24	0 25	1 31	0 6	15 31	13 56	13 35	1 38	7 55	6 41
F 16	23 23	22 5	5 4	24 49	1 59	20 50	0 50	7 8	0 50	20 25	0 29	15 28	2 5	23 13	0 24	0 25	1 31	0 7	15 31	13 58	13 36	1 41	7 55	6 41
S 17	23 25	25 16	5 2	24 36	1 57	20 37	0 41	6 55	0 49	20 27	0 29	15 29	2 6	23 12	0 24	0 24	1 31	0 7	15 31	14 1	13 37	1 44	7 55	6 42
S 18	23 27	27 12	4 44	24 22	1 54	20 24	0 31	6 42	0 48	20 28	0 30	15 31	2 6	23 12	0 24	0 24	1 31	0 7	15 32	14 5	13 38	1 48	7 55	6 42
M19	23 28	27 39	4 11	24 5	1 51	20 11	0 21	6 29	0 47	20 29	0 30	15 33	2 6	23 12	0 24	0 24	1 31	0 7	15 32	14 7	13 39	1 51	7 56	6 42
T 20	23 29	26 27	3 23	23 48	1 47	19 58	0 11	6 15	0 46	20 31	0 30	15 34	2 6	23 11	0 24	0 24	1 31	0 7	15 32	14 10	13 40	1 54	7 56	6 43
W21	23 29	23 38	2 23	23 29	1 43	19 45	0 0	6 2	0 44	20 32	0 30	15 36	2 6	23 11	0 24	0 24	1 31	0 7	15 32	14 11	13 41	1 58	7 56	6 43
T 22	23 29	19 24	1 13	23 9	1 38	19 33	0s11	5 49	0 43	20 33	0 30	15 38	2 6	23 11	0 24	0 24	1 31	0 7	15 33	14 12	13 42	2 1	7 56	6 43
F 23	23 29	14 3	0n 2	22 48	1 32	19 20	0 22	5 35	0 42	20 35	0 31	15 39	2 6	23 10	0 24	0 24	1 31	0 7	15 33	14 13	13 43	2 4	7 56	6 43
S 24	23 28	7 56	1 18	22 25	1 26	19 8	0 34	5 22	0 41	20 36	0 31	15 41	2 6	23 10	0 24	0 24	1 31	0 7	15 33	14 12	13 44	2 8	7 57	6 44
S 25	23 27	1 26	2 28	22 2	1 19	18 56	0 46	5 8	0 40	20 38	0 31	15 43	2 6	23 9	0 24	0 23	1 31	0 7	15 33	14 12	13 45	2 11	7 57	6 44
M26	23 25	5n 9	3 30	21 38	1 12	18 44	0 58	4 54	0 39	20 39	0 31	15 44	2 6	23 9	0 24	0 23	1 31	0 7	15 33	14 12	13 46	2 14	7 57	6 44
T 27	23 23	11 27	4 19	21 14	1 4	18 32	1 11	4 41	0 37	20 41	0 31	15 46	2 6	23 9	0 24	0 23	1 31	0 7	15 34	14 12	13 47	2 18	7 57	6 45
W28	23 21	17 9	4 52	20 48	0 56	18 20	1 23	4 27	0 36	20 42	0 31	15 47	2 7	23 8	0 24	0 23	1 31	0 7	15 34	14 13	13 48	2 21	7 58	6 45
T 29	23 18	21 54	5 7	20 23	0 47	18 9	1 37	4 13	0 35	20 44	0 32	15 49	2 7	23 8	0 24	0 22	1 31	0 7	15 34	14 15	13 49	2 24	7 58	6 45
F 30	23n15	25n23	5n 5	19n57	0n37	17n58	1s50	3n59	0n34	20s46	0s32	15n50	2s 7	23n 8	0n24	0n22	1n30	0n 7	15s34	14s17	13s51	2s28	7s58	6n45

Julian Day Number = 2311808.5, Delta T = 69.00 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'02, Lahiri = 18°31'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

JULY 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 30	9♋ 2'09	14♊48	5♌ 0	1°R47	21♍50	29°R40	20♉28	14♋14	2♎33	10♉19	21°R40	23♒ 4	29♍18	21°R26	S 1
S 2	18 40 27	9°59'22	28°18	6° 8	1♌33	22°23	29♏33	20°34	14°18	2°34	10°20	21♒33	23° 1	29°25	21♒24	S 2
M 3	18 44 23	10°56'34	11♋32	7°12	1°16	22°56	29°27	20°40	14°21	2°34	10°20	21°28	22°57	29°31	21°22	M 3
T 4	18 48 20	11°53'47	24°30	8°14	0°57	23°29	29°20	20°46	14°25	2°35	10°21	21°23	22°54	29°38	21°19	T 4
W 5	18 52 16	12°51'00	7♌ 9	9°13	0°36	24° 3	29°12	20°52	14°29	2°36	10°22	21°20	22°51	29°45	21°17	W 5
T 6	18 56 13	13°48'13	19°33	10° 9	0°13	24°36	29° 5	20°58	14°32	2°36	10°23	21°D19	22°48	29°51	21°15	T 6
F 7	19 0 10	14°45'26	1♍43	11° 1	29♋47	25°10	28°58	21° 3	14°36	2°37	10°23	21°20	22°45	29°58	21°13	F 7
S 8	19 4 6	15°42'40	13°41	11°50	29°20	25°44	28°51	21° 9	14°40	2°38	10°24	21°21	22°42	0♎ 5	21°10	S 8
S 9	19 8 3	16°39'53	25°34	12°36	28°51	26°18	28°43	21°14	14°43	2°39	10°25	21°23	22°38	0°11	21° 8	S 9
M10	19 11 59	17°37'06	7♎24	13°18	28°20	26°52	28°36	21°20	14°47	2°39	10°25	21°24	22°35	0°18	21° 6	M10
T 11	19 15 56	18°34'19	19°16	13°56	27°47	27°26	28°28	21°25	14°51	2°40	10°26	21°R25	22°32	0°25	21° 3	T 11
W12	19 19 52	19°31'33	1♏17	14°30	27°13	28° 1	28°21	21°30	14°54	2°41	10°27	21°24	22°29	0°31	21° 1	W12
T 13	19 23 49	20°28'47	13°30	15° 1	26°38	28°35	28°13	21°36	14°58	2°42	10°27	21°22	22°26	0°38	20°58	T 13
F 14	19 27 45	21°26'01	26° 0	15°27	26° 2	29°10	28° 6	21°41	15° 2	2°43	10°28	21°19	22°22	0°45	20°56	F 14
S 15	19 31 42	22°23'16	8♐49	15°48	25°25	29°45	27°58	21°46	15° 5	2°44	10°28	21°15	22°19	0°51	20°53	S 15
S 16	19 35 39	23°20'30	22° 0	16° 5	24°48	0♎20	27°50	21°51	15° 9	2°45	10°29	21°10	22°16	0°58	20°50	S 16
M17	19 39 35	24°17'46	5♑32	16°18	24°11	0°55	27°42	21°56	15°12	2°46	10°29	21° 6	22°13	1° 5	20°48	M17
T 18	19 43 32	25°15'01	19°25	16°26	23°33	1°30	27°35	22° 1	15°16	2°47	10°30	21° 3	22°10	1°11	20°45	T 18
W19	19 47 28	26°12'18	3♒34	16°R28	22°56	2° 5	27°27	22° 6	15°20	2°48	10°30	21° 1	22° 7	1°18	20°42	W19
T 20	19 51 25	27° 9'35	17°56	16°26	22°19	2°41	27°19	22°10	15°23	2°49	10°31	21°D 0	22° 3	1°25	20°39	T 20
F 21	19 55 21	28° 6'52	2♓26	16°19	21°43	3°16	27°11	22°15	15°27	2°50	10°31	21° 0	22° 0	1°31	20°37	F 21
S 22	19 59 18	29° 4'11	16°57	16° 6	21° 8	3°52	27° 4	22°20	15°30	2°52	10°31	21° 1	21°57	1°38	20°34	S 22
S 23	20 3 14	0♌ 1'31	1♈25	15°49	20°34	4°27	26°56	22°24	15°34	2°53	10°32	21° 3	21°54	1°45	20°31	S 23
M24	20 7 11	0°58'51	15°47	15°27	20° 1	5° 3	26°48	22°28	15°38	2°54	10°32	21° 4	21°51	1°52	20°28	M24
T 25	20 11 8	1°56'13	29°59	15° 0	19°30	5°39	26°40	22°33	15°41	2°55	10°33	21°R 4	21°48	1°58	20°25	T 25
W26	20 15 4	2°53'36	13♉59	14°28	19° 1	6°15	26°33	22°37	15°45	2°57	10°33	21° 4	21°44	2° 5	20°22	W26
T 27	20 19 1	3°51'00	27°46	13°53	18°33	6°51	26°25	22°41	15°48	2°58	10°33	21° 3	21°41	2°12	20°19	T 27
F 28	20 22 57	4°48'26	11♊20	13°14	18° 8	7°28	26°17	22°45	15°52	2°59	10°33	21° 1	21°38	2°18	20°16	F 28
S 29	20 26 54	5°45'52	24°40	12°32	17°44	8° 4	26°10	22°49	15°55	3° 1	10°34	20°59	21°35	2°25	20°13	S 29
S 30	20 30 50	6°43'20	7♋45	11°47	17°23	8°41	26° 2	22°53	15°59	3° 2	10°34	20°57	21°32	2°32	20°10	S 30
M31	20 34 47	7♌40'49	20♋37	11♌ 1	17♋ 4	9♎17	25♑55	22♉57	16♋ 2	3♎ 4	10♉34	20♒56	21♒28	2♎38	20♒ 7	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n11	27n19	4n44	19n30	0n28	17n48	2s 4	3n45	0n33	20s47	0s32	15n52	2s 7	23n 7	0n24	0n22	1n30	0n 7	15s35	14s19	13s52	2s31	7s59	6n46
S 2	23 7	27 37	4 8	19 4	0 17	17 37	2 18	3 31	0 32	20 49	0 32	15 53	2 7	23 7	0 24	0 22	1 30	0 7	15 35	14 21	13 53	2 34	7 59	6 46
M 3	23 2	26 18	3 19	18 37	0 7	17 27	2 31	3 17	0 31	20 50	0 32	15 55	2 7	23 6	0 24	0 21	1 30	0 7	15 35	14 23	13 54	2 38	8 0	6 46
T 4	22 57	23 34	2 21	18 10	0s 5	17 18	2 46	3 3	0 30	20 52	0 33	15 56	2 7	23 6	0 24	0 21	1 30	0 7	15 35	14 24	13 55	2 41	8 0	6 46
W 5	22 52	19 45	1 16	17 44	0 16	17 8	3 0	2 49	0 29	20 54	0 33	15 58	2 7	23 6	0 24	0 21	1 30	0 7	15 36	14 25	13 56	2 44	8 0	6 47
T 6	22 46	15 8	0 10	17 17	0 28	16 59	3 14	2 34	0 28	20 55	0 33	15 59	2 8	23 5	0 24	0 20	1 30	0 7	15 36	14 25	13 57	2 47	8 1	6 47
F 7	22 40	10 1	0s56	16 51	0 40	16 51	3 28	2 20	0 27	20 57	0 33	16 0	2 8	23 5	0 24	0 20	1 30	0 7	15 36	14 25	13 58	2 51	8 1	6 47
S 8	22 34	4 36	1 59	16 26	0 53	16 43	3 42	2 5	0 26	20 59	0 33	16 2	2 8	23 4	0 24	0 20	1 30	0 7	15 36	14 25	13 59	2 54	8 2	6 47
S 9	22 27	0s55	2 56	16 0	1 6	16 35	3 56	1 51	0 25	21 0	0 33	16 3	2 8	23 4	0 24	0 19	1 30	0 7	15 37	14 24	14 0	2 57	8 2	6 48
M10	22 20	6 23	3 45	15 36	1 19	16 27	4 10	1 36	0 24	21 2	0 34	16 4	2 8	23 4	0 24	0 19	1 30	0 7	15 37	14 24	14 1	3 1	8 3	6 48
T 11	22 12	11 39	4 25	15 12	1 33	16 20	4 24	1 22	0 23	21 4	0 34	16 5	2 8	23 3	0 24	0 19	1 30	0 7	15 37	14 24	14 2	3 4	8 4	6 48
W12	22 4	16 32	4 54	14 49	1 46	16 14	4 37	1 7	0 21	21 5	0 34	16 7	2 8	23 3	0 24	0 18	1 30	0 7	15 38	14 24	14 3	3 7	8 4	6 48
T 13	21 56	20 51	5 10	14 27	2 0	16 8	4 50	0 53	0 20	21 7	0 34	16 8	2 9	23 2	0 24	0 18	1 30	0 7	15 38	14 25	14 4	3 11	8 5	6 48
F 14	21 47	24 20	5 12	14 7	2 14	16 2	5 2	0 38	0 19	21 9	0 34	16 9	2 9	23 2	0 24	0 17	1 30	0 7	15 38	14 26	14 5	3 14	8 5	6 49
S 15	21 38	26 44	4 58	13 47	2 27	15 57	5 14	0 23	0 19	21 10	0 34	16 10	2 9	23 2	0 24	0 17	1 30	0 7	15 38	14 27	14 6	3 17	8 6	6 49
S 16	21 28	27 43	4 29	13 29	2 41	15 52	5 26	0 8	0 18	21 12	0 35	16 11	2 9	23 1	0 24	0 17	1 30	0 6	15 39	14 28	14 7	3 20	8 7	6 49
M17	21 18	27 6	3 44	13 12	2 55	15 48	5 37	0s 7	0 17	21 14	0 35	16 13	2 9	23 1	0 24	0 16	1 30	0 6	15 39	14 30	14 8	3 24	8 7	6 49
T 18	21 8	24 48	2 45	12 57	3 8	15 44	5 47	0 22	0 16	21 16	0 35	16 14	2 9	23 0	0 24	0 16	1 30	0 6	15 39	14 31	14 9	3 27	8 8	6 49
W19	20 57	20 56	1 34	12 44	3 22	15 40	5 57	0 36	0 15	21 17	0 35	16 15	2 9	23 0	0 24	0 15	1 30	0 6	15 40	14 31	14 10	3 30	8 9	6 49
T 20	20 46	15 45	0 17	12 32	3 35	15 37	6 6	0 51	0 14	21 19	0 35	16 16	2 10	23 0	0 24	0 15	1 30	0 6	15 40	14 32	14 11	3 34	8 9	6 50
F 21	20 35	9 40	1n 3	12 22	3 47	15 34	6 14	1 6	0 13	21 21	0 35	16 17	2 10	22 59	0 24	0 14	1 30	0 6	15 40	14 32	14 12	3 37	8 10	6 50
S 22	20 23	3 3	2 18	12 15	3 59	15 32	6 22	1 21	0 12	21 22	0 35	16 18	2 10	22 59	0 24	0 14	1 30	0 6	15 40	14 31	14 13	3 40	8 11	6 50
S 23	20 11	3n42	3 25	12 9	4 9	15 31	6 29	1 37	0 11	21 24	0 36	16 19	2 10	22 58	0 24	0 13	1 30	0 5	15 41	14 31	14 14	3 43	8 12	6 50
M24	19 59	10 11	4 18	12 6	4 20	15 29	6 35	1 52	0 10	21 25	0 36	16 20	2 10	22 58	0 24	0 13	1 29	0 5	15 41	14 30	14 15	3 47	8 12	6 50
T 25	19 46	16 5	4 54	12 5	4 29	15 28	6 40	2 7	0 9	21 27	0 36	16 21	2 10	22 58	0 24	0 12	1 29	0 5	15 41	14 30	14 16	3 50	8 13	6 50
W26	19 33	21 3	5 13	12 7	4 36	15 28	6 44	2 22	0 8	21 29	0 36	16 22	2 11	22 57	0 24	0 12	1 29	0 5	15 42	14 30	14 17	3 53	8 14	6 50
T 27	19 20	24 47	5 13	12 11	4 43	15 28	6 48	2 37	0 7	21 30	0 36	16 22	2 11	22 57	0 24	0 11	1 29	0 5	15 42	14 31	14 18	3 57	8 15	6 50
F 28	19 6	27 4	4 56	12 17	4 48	15 28	6 51	2 52	0 6	21 32	0 36	16 23	2 11	22 56	0 24	0 11	1 29	0 4	15 42	14 31	14 19	4 0	8 16	6 50
S 29	18 52	27 46	4 23	12 25	4 51	15 28	6 54	3 7	0 5	21 33	0 36	16 24	2 11	22 56	0 24	0 10	1 29	0 4	15 42	14 32	14 20	4 3	8 17	6 51
S 30	18 38	26 52	3 37	12 35	4 53	15 29	6 56	3 23	0 4	21 35	0 36	16 25	2 11	22 56	0 24	0 9	1 29	0 4	15 43	14 33	14 22	4 6	8 17	6 51
M31	18n23	24n32	2n40	12n48	4s53	15n31	6s57	3s38	0n 4	21s36	0s36	16n26	2s12	22n55	0n24	0n 9	1n29	0n 4	15s43	14s33	14s23	4s10	8s18	6n51

Julian Day Number = 2311838.5, Delta T = 68.92 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'06, Lahiri = 18°31'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

AUGUST 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 38 43	8♌38'19	3♌14	10°R14	16°R47	9♎54	25°R47	23♉ 1	16♋ 6	3♎ 5	10♉34	20°R54	21♒25	2♎45	20°R 4	T 1
W 2	20 42 40	9°35'50	15°39	9♌27	16♋33	10°31	25♏40	23° 4	16° 9	3° 6	10°35	20°D54	21°22	2°52	20♒ 1	W 2
T 3	20 46 37	10°33'22	27°52	8°41	16°21	11° 8	25°33	23° 8	16°12	3° 8	10°35	20♒54	21°19	2°58	19°58	T 3
F 4	20 50 33	11°30'55	9♍55	7°56	16°11	11°45	25°26	23°11	16°16	3° 9	10°35	20°54	21°16	3° 5	19°55	F 4
S 5	20 54 30	12°28'29	21°50	7°14	16° 4	12°22	25°18	23°14	16°19	3°11	10°35	20°55	21°13	3°12	19°52	S 5
S 6	20 58 26	13°26'04	3♎41	6°36	15°59	12°59	25°11	23°18	16°23	3°13	10°35	20°56	21° 9	3°18	19°49	S 6
M 7	21 2 23	14°23'40	15°30	6° 1	15°57	13°37	25° 4	23°21	16°26	3°14	10°35	20°57	21° 6	3°25	19°46	M 7
T 8	21 6 19	15°21'17	27°23	5°32	15°D57	14°14	24°57	23°24	16°29	3°16	10°35	20°57	21° 3	3°32	19°43	T 8
W 9	21 10 16	16°18'55	9♏22	5° 8	15°59	14°52	24°51	23°27	16°32	3°17	10°35	20°57	21° 0	3°38	19°40	W 9
T 10	21 14 12	17°16'34	21°34	4°51	16° 3	15°30	24°44	23°30	16°36	3°19	10°R35	20°R57	20°57	3°45	19°37	T 10
F 11	21 18 9	18°14'15	4♐ 1	4°40	16°10	16° 7	24°38	23°32	16°39	3°21	10°35	20°57	20°54	3°52	19°34	F 11
S 12	21 22 6	19°11'56	16°49	4°D36	16°18	16°45	24°31	23°35	16°42	3°22	10°35	20°57	20°50	3°58	19°30	S 12
S 13	21 26 2	20° 9'38	0♑ 0	4°39	16°29	17°23	24°25	23°38	16°45	3°24	10°35	20°57	20°47	4° 5	19°27	S 13
M14	21 29 59	21° 7'22	13°37	4°50	16°42	18° 1	24°19	23°40	16°49	3°26	10°35	20°D57	20°44	4°12	19°24	M14
T 15	21 33 55	22° 5'07	27°38	5° 9	16°57	18°39	24°13	23°43	16°52	3°28	10°35	20°57	20°41	4°18	19°21	T 15
W16	21 37 52	23° 2'53	12♒ 2	5°35	17°14	19°18	24° 7	23°45	16°55	3°29	10°35	20°57	20°38	4°25	19°18	W16
T 17	21 41 48	24° 0'40	26°44	6° 9	17°33	19°56	24° 1	23°47	16°58	3°31	10°35	20°R57	20°34	4°32	19°15	T 17
F 18	21 45 45	24°58'29	11♓37	6°50	17°54	20°35	23°55	23°49	17° 1	3°33	10°35	20°57	20°31	4°39	19°12	F 18
S 19	21 49 41	25°56'19	26°33	7°39	18°16	21°13	23°50	23°51	17° 4	3°35	10°34	20°57	20°28	4°45	19° 9	S 19
S 20	21 53 38	26°54'11	11♈25	8°34	18°40	21°52	23°44	23°53	17° 7	3°37	10°34	20°56	20°25	4°52	19° 6	S 20
M21	21 57 35	27°52'05	26° 6	9°37	19° 6	22°31	23°39	23°55	17°10	3°39	10°34	20°55	20°22	4°59	19° 3	M21
T 22	22 1 31	28°50'00	10♉30	10°46	19°33	23° 9	23°34	23°56	17°13	3°41	10°34	20°55	20°19	5° 5	19° 0	T 22
W23	22 5 28	29°47'58	24°34	12° 1	20° 2	23°48	23°29	23°58	17°16	3°42	10°34	20°D54	20°15	5°12	18°57	W23
T 24	22 9 24	0♍45'57	8♊16	13°22	20°33	24°27	23°24	23°59	17°19	3°44	10°33	20°54	20°12	5°19	18°53	T 24
F 25	22 13 21	1°43'59	21°39	14°49	21° 5	25° 6	23°20	24° 1	17°22	3°46	10°33	20°55	20° 9	5°25	18°50	F 25
S 26	22 17 17	2°42'02	4♋43	16°20	21°38	25°46	23°15	24° 2	17°25	3°48	10°33	20°56	20° 6	5°32	18°47	S 26
S 27	22 21 14	3°40'08	17°29	17°56	22°13	26°25	23°11	24° 3	17°27	3°50	10°32	20°57	20° 3	5°39	18°45	S 27
M28	22 25 10	4°38'15	0♌ 2	19°36	22°49	27° 4	23° 7	24° 4	17°30	3°52	10°32	20°58	20° 0	5°45	18°42	M28
T 29	22 29 7	5°36'24	12°22	21°19	23°26	27°44	23° 3	24° 5	17°33	3°54	10°32	20°59	19°56	5°52	18°39	T 29
W30	22 33 4	6°34'34	24°32	23° 5	24° 4	28°24	22°59	24° 6	17°36	3°56	10°31	20°R59	19°53	5°59	18°36	W30
T 31	22 37 0	7♍32'47	6♍34	24♌53	24♋44	29♎ 3	22♏56	24♉ 6	17♋38	3♎58	10♉31	20♒58	19♒50	6♎ 5	18♒33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 8	21n 2	1n36	13n 2	4s52	15n32	6s57	3s53	0n 3	21s38	0s37	16n26	2s12	22n55	0n24	0n 8	1n29	0n 4	15s43	14s33	14s24	4s13	8s19	6n51
W 2	17 53	16 38	0 29	13 18	4 48	15 34	6 57	4 9	0 2	21 39	0 37	16 27	2 12	22 54	0 24	0 8	1 29	0 3	15 44	14 34	14 25	4 16	8 20	6 51
T 3	17 38	11 38	0s39	13 35	4 43	15 36	6 56	4 24	0 1	21 41	0 37	16 28	2 12	22 54	0 24	0 7	1 29	0 3	15 44	14 34	14 26	4 20	8 21	6 51
F 4	17 22	6 16	1 44	13 53	4 35	15 38	6 55	4 39	0 0	21 42	0 37	16 29	2 12	22 54	0 24	0 6	1 29	0 3	15 44	14 33	14 27	4 23	8 22	6 51
S 5	17 6	0 45	2 43	14 12	4 26	15 41	6 53	4 55	0s 1	21 44	0 37	16 29	2 12	22 53	0 24	0 6	1 29	0 3	15 45	14 33	14 28	4 26	8 23	6 51
S 6	16 50	4s46	3 36	14 32	4 16	15 44	6 51	5 10	0 2	21 45	0 37	16 30	2 13	22 53	0 24	0 5	1 29	0 2	15 45	14 33	14 29	4 29	8 24	6 51
M 7	16 33	10 6	4 19	14 52	4 4	15 47	6 48	5 25	0 2	21 46	0 37	16 30	2 13	22 53	0 24	0 4	1 29	0 2	15 45	14 33	14 30	4 33	8 25	6 51
T 8	16 16	15 5	4 51	15 12	3 50	15 50	6 45	5 41	0 3	21 48	0 37	16 31	2 13	22 52	0 24	0 4	1 29	0 2	15 45	14 33	14 31	4 36	8 26	6 51
W 9	15 59	19 33	5 11	15 32	3 36	15 53	6 42	5 56	0 4	21 49	0 37	16 31	2 13	22 52	0 24	0 3	1 29	0 2	15 46	14 32	14 32	4 39	8 27	6 51
T 10	15 41	23 18	5 17	15 51	3 21	15 56	6 38	6 11	0 5	21 50	0 37	16 32	2 13	22 51	0 24	0 2	1 29	0 1	15 46	14 32	14 33	4 42	8 28	6 51
F 11	15 24	26 3	5 9	16 9	3 4	16 0	6 34	6 27	0 6	21 52	0 38	16 33	2 14	22 51	0 24	0 2	1 29	0 1	15 46	14 33	14 34	4 46	8 29	6 51
S 12	15 6	27 34	4 46	16 27	2 47	16 3	6 29	6 42	0 7	21 53	0 38	16 33	2 14	22 51	0 24	0 1	1 29	0 1	15 47	14 33	14 35	4 49	8 30	6 51
S 13	14 48	27 36	4 7	16 43	2 30	16 7	6 24	6 57	0 7	21 54	0 38	16 33	2 14	22 50	0 24	0 0	1 29	0 0	15 47	14 33	14 36	4 52	8 31	6 51
M14	14 29	25 59	3 13	16 57	2 13	16 10	6 19	7 13	0 8	21 55	0 38	16 34	2 14	22 50	0 24	0s 1	1 29	0 0	15 47	14 33	14 37	4 55	8 32	6 51
T 15	14 11	22 44	2 6	17 10	1 55	16 13	6 14	7 28	0 9	21 56	0 38	16 34	2 14	22 49	0 24	0 1	1 29	0s 0	15 48	14 33	14 38	4 59	8 33	6 51
W16	13 52	18 1	0 49	17 20	1 37	16 17	6 9	7 43	0 10	21 57	0 38	16 35	2 15	22 49	0 24	0 2	1 29	0 1	15 48	14 33	14 39	5 2	8 34	6 50
T 17	13 33	12 8	0n32	17 29	1 20	16 20	6 3	7 59	0 11	21 59	0 38	16 35	2 15	22 49	0 24	0 3	1 29	0 1	15 48	14 33	14 40	5 5	8 35	6 50
F 18	13 14	5 30	1 52	17 35	1 3	16 23	5 57	8 14	0 11	22 0	0 38	16 35	2 15	22 48	0 24	0 3	1 29	0 1	15 48	14 33	14 41	5 8	8 36	6 50
S 19	12 54	1n27	3 5	17 39	0 46	16 26	5 51	8 29	0 12	22 1	0 38	16 36	2 15	22 48	0 24	0 4	1 29	0 2	15 49	14 33	14 42	5 12	8 37	6 50
S 20	12 34	8 17	4 5	17 40	0 30	16 29	5 45	8 44	0 13	22 2	0 38	16 36	2 15	22 48	0 24	0 5	1 29	0 2	15 49	14 33	14 43	5 15	8 38	6 50
M21	12 14	14 34	4 48	17 39	0 15	16 32	5 39	8 59	0 14	22 3	0 38	16 36	2 16	22 47	0 24	0 6	1 29	0 2	15 49	14 33	14 44	5 18	8 39	6 50
T 22	11 54	19 56	5 12	17 34	0 0	16 35	5 32	9 15	0 15	22 3	0 38	16 36	2 16	22 47	0 24	0 7	1 29	0 3	15 50	14 33	14 45	5 21	8 40	6 50
W23	11 34	24 3	5 16	17 27	0n14	16 37	5 26	9 30	0 15	22 4	0 38	16 36	2 16	22 47	0 24	0 7	1 29	0 3	15 50	14 33	14 46	5 25	8 41	6 50
T 24	11 14	26 43	5 3	17 16	0 27	16 39	5 19	9 45	0 16	22 5	0 38	16 37	2 16	22 46	0 24	0 8	1 29	0 3	15 50	14 33	14 47	5 28	8 42	6 50
F 25	10 53	27 46	4 33	17 3	0 39	16 41	5 12	10 0	0 17	22 6	0 38	16 37	2 16	22 46	0 24	0 9	1 29	0 4	15 50	14 33	14 48	5 31	8 43	6 49
S 26	10 32	27 13	3 49	16 46	0 50	16 43	5 6	10 15	0 18	22 7	0 38	16 37	2 17	22 46	0 24	0 10	1 29	0 4	15 51	14 33	14 49	5 34	8 44	6 49
S 27	10 11	25 14	2 55	16 27	1 0	16 44	4 59	10 30	0 18	22 8	0 38	16 37	2 17	22 45	0 24	0 11	1 29	0 4	15 51	14 33	14 50	5 37	8 45	6 49
M28	9 50	22 2	1 53	16 4	1 9	16 46	4 52	10 45	0 19	22 8	0 38	16 37	2 17	22 45	0 24	0 11	1 29	0 5	15 51	14 32	14 51	5 41	8 46	6 49
T 29	9 29	17 53	0 48	15 39	1 18	16 46	4 45	11 0	0 20	22 9	0 39	16 37	2 17	22 45	0 24	0 12	1 28	0 5	15 52	14 32	14 52	5 44	8 47	6 49
W30	9 7	13 4	0s20	15 11	1 25	16 47	4 38	11 15	0 21	22 10	0 39	16 37	2 17	22 44	0 25	0 13	1 28	0 5	15 52	14 32	14 53	5 47	8 48	6 49
T 31	8n45	7n48	1s25	14n41	1n31	16n47	4s31	11s30	0s21	22s10	0s39	16n37	2s18	22n44	0n25	0s14	1n28	0s 6	15s52	14s32	14s54	5s50	8s49	6n48

Julian Day Number = 2311869.5, Delta T = 68.84 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'11, Lahiri = 18°31'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

SEPTEMBER 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 40 57	8♍31'01	18♍29	26♌43	25♋25	29♎43	22°R52	24♉ 7	17♋41	4♎ 0	10°R30	20°R57	19♒47	6♎12	18°R30	F 1
S 2	22 44 53	9°29'17	0♎21	28°35	26° 6	0♏23	22♏49	24° 7	17°43	4° 2	10♉30	20♒54	19°44	6°19	18♒27	S 2
S 3	22 48 50	10°27'35	12°10	0♍28	26°49	1° 3	22°46	24° 8	17°46	4° 4	10°29	20°51	19°40	6°25	18°24	S 3
M 4	22 52 46	11°25'54	24° 0	2°22	27°33	1°43	22°43	24° 8	17°48	4° 7	10°29	20°48	19°37	6°32	18°22	M 4
T 5	22 56 43	12°24'15	5♏53	4°16	28°17	2°23	22°40	24° 8	17°51	4° 9	10°28	20°45	19°34	6°39	18°19	T 5
W 6	23 0 39	13°22'38	17°53	6°11	29° 3	3° 3	22°38	24°R 8	17°53	4°11	10°28	20°42	19°31	6°46	18°16	W 6
T 7	23 4 36	14°21'03	0♐ 2	8° 5	29°49	3°44	22°36	24° 8	17°56	4°13	10°27	20°40	19°28	6°52	18°13	T 7
F 8	23 8 33	15°19'29	12°26	10° 0	0♌37	4°24	22°33	24° 8	17°58	4°15	10°27	20°D39	19°25	6°59	18°11	F 8
S 9	23 12 29	16°17'56	25° 9	11°54	1°25	5° 5	22°32	24° 8	18° 0	4°17	10°26	20°39	19°21	7° 6	18° 8	S 9
S 10	23 16 26	17°16'26	8♑14	13°47	2°14	5°45	22°30	24° 7	18° 3	4°19	10°26	20°41	19°18	7°12	18° 6	S 10
M11	23 20 22	18°14'57	21°45	15°40	3° 3	6°26	22°28	24° 7	18° 5	4°21	10°25	20°42	19°15	7°19	18° 3	M11
T 12	23 24 19	19°13'29	5♒43	17°32	3°54	7° 7	22°27	24° 6	18° 7	4°24	10°24	20°43	19°12	7°26	18° 0	T 12
W13	23 28 15	20°12'04	20° 7	19°23	4°45	7°47	22°26	24° 5	18° 9	4°26	10°24	20°R44	19° 9	7°32	17°58	W13
T 14	23 32 12	21°10'40	4♓55	21°14	5°37	8°28	22°25	24° 5	18°11	4°28	10°23	20°43	19° 6	7°39	17°56	T 14
F 15	23 36 8	22° 9'17	20° 1	23° 3	6°29	9° 9	22°24	24° 4	18°13	4°30	10°22	20°41	19° 2	7°46	17°53	F 15
S 16	23 40 5	23° 7'57	5♈15	24°52	7°22	9°50	22°24	24° 3	18°15	4°32	10°22	20°38	18°59	7°52	17°51	S 16
S 17	23 44 2	24° 6'39	20°27	26°39	8°16	10°31	22°23	24° 1	18°17	4°35	10°21	20°33	18°56	7°59	17°48	S 17
M18	23 47 58	25° 5'23	5♉28	28°26	9°11	11°13	22°D23	24° 0	18°19	4°37	10°20	20°28	18°53	8° 6	17°46	M18
T 19	23 51 55	26° 4'09	20° 8	0♎12	10° 6	11°54	22°23	23°59	18°21	4°39	10°20	20°24	18°50	8°13	17°44	T 19
W20	23 55 51	27° 2'58	4♊23	1°56	11° 1	12°35	22°23	23°57	18°23	4°41	10°19	20°20	18°46	8°19	17°42	W20
T 21	23 59 48	28° 1'49	18°12	3°40	11°57	13°17	22°24	23°56	18°25	4°43	10°18	20°18	18°43	8°26	17°40	T 21
F 22	0 3 44	29° 0'42	1♋33	5°23	12°54	13°59	22°24	23°54	18°27	4°46	10°17	20°D18	18°40	8°33	17°38	F 22
S 23	0 7 41	29°59'38	14°30	7° 5	13°51	14°40	22°25	23°52	18°28	4°48	10°16	20°19	18°37	8°39	17°36	S 23
S 24	0 11 37	0♎58'36	27° 7	8°46	14°49	15°22	22°26	23°50	18°30	4°50	10°16	20°20	18°34	8°46	17°34	S 24
M25	0 15 34	1°57'36	9♌27	10°27	15°47	16° 4	22°27	23°48	18°31	4°52	10°15	20°22	18°31	8°53	17°32	M25
T 26	0 19 31	2°56'38	21°35	12° 6	16°46	16°46	22°29	23°46	18°33	4°55	10°14	20°R22	18°27	8°59	17°30	T 26
W27	0 23 27	3°55'43	3♍35	13°44	17°45	17°28	22°30	23°44	18°35	4°57	10°13	20°21	18°24	9° 6	17°28	W27
T 28	0 27 24	4°54'49	15°28	15°22	18°45	18°10	22°32	23°42	18°36	4°59	10°12	20°18	18°21	9°13	17°26	T 28
F 29	0 31 20	5°53'58	27°19	16°59	19°45	18°52	22°34	23°39	18°37	5° 1	10°11	20°13	18°18	9°19	17°24	F 29
S 30	0 35 17	6♎53'09	9♎ 9	18♎35	20♌45	19♏34	22♏36	23♉37	18♋39	5♎ 4	10♉10	20♒ 5	18♒15	9♎26	17♒23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n24	2n19	2s26	14n 8	1n36	16n47	4s24	11s44	0s22	22s11	0s39	16n37	2s18	22n44	0n25	0s15	1n28	0s 6	15s52	14s33	14s55	5s54	8s50	6n48
S 2	8 2	3s12	3 20	13 33	1 40	16 46	4 17	11 59	0 23	22 11	0 39	16 37	2 18	22 43	0 25	0 15	1 28	0 7	15 53	14 34	14 56	5 57	8 51	6 48
S 3	7 40	8 36	4 6	12 57	1 43	16 45	4 10	12 14	0 23	22 12	0 39	16 37	2 18	22 43	0 25	0 16	1 28	0 7	15 53	14 34	14 57	6 0	8 52	6 48
M 4	7 18	13 41	4 41	12 18	1 46	16 44	4 3	12 28	0 24	22 13	0 39	16 37	2 18	22 43	0 25	0 17	1 28	0 7	15 53	14 36	14 58	6 3	8 53	6 47
T 5	6 55	18 17	5 4	11 38	1 47	16 42	3 55	12 43	0 25	22 13	0 39	16 36	2 19	22 42	0 25	0 18	1 28	0 8	15 53	14 37	14 59	6 6	8 54	6 47
W 6	6 33	22 13	5 14	10 56	1 48	16 40	3 48	12 57	0 25	22 13	0 39	16 36	2 19	22 42	0 25	0 19	1 28	0 8	15 54	14 37	15 0	6 10	8 56	6 47
T 7	6 10	25 15	5 10	10 14	1 48	16 38	3 41	13 12	0 26	22 14	0 39	16 36	2 19	22 42	0 25	0 20	1 28	0 9	15 54	14 38	15 1	6 13	8 57	6 47
F 8	5 48	27 10	4 52	9 30	1 48	16 35	3 34	13 26	0 27	22 14	0 39	16 36	2 19	22 41	0 25	0 21	1 28	0 9	15 54	14 38	15 2	6 16	8 58	6 47
S 9	5 25	27 43	4 19	8 45	1 46	16 31	3 27	13 40	0 28	22 15	0 39	16 35	2 19	22 41	0 25	0 21	1 28	0 9	15 55	14 38	15 3	6 19	8 59	6 46
S 10	5 2	26 46	3 32	8 0	1 45	16 27	3 20	13 55	0 28	22 15	0 39	16 35	2 20	22 41	0 25	0 22	1 28	0 10	15 55	14 38	15 4	6 22	9 0	6 46
M11	4 39	24 14	2 32	7 14	1 42	16 23	3 13	14 9	0 29	22 15	0 39	16 35	2 20	22 41	0 25	0 23	1 28	0 10	15 55	14 37	15 5	6 26	9 1	6 46
T 12	4 16	20 12	1 22	6 28	1 39	16 18	3 6	14 23	0 30	22 15	0 39	16 35	2 20	22 40	0 25	0 24	1 28	0 11	15 55	14 37	15 6	6 29	9 2	6 45
W13	3 53	14 52	0 3	5 41	1 36	16 13	2 59	14 37	0 30	22 15	0 39	16 34	2 20	22 40	0 25	0 25	1 28	0 11	15 55	14 37	15 7	6 32	9 3	6 45
T 14	3 30	8 32	1n17	4 54	1 32	16 8	2 52	14 51	0 31	22 16	0 39	16 34	2 20	22 40	0 25	0 26	1 28	0 11	15 56	14 37	15 8	6 35	9 4	6 45
F 15	3 7	1 37	2 33	4 7	1 28	16 2	2 45	15 4	0 31	22 16	0 39	16 33	2 21	22 40	0 25	0 27	1 28	0 12	15 56	14 38	15 9	6 38	9 5	6 45
S 16	2 44	5n27	3 39	3 19	1 23	15 55	2 38	15 18	0 32	22 16	0 39	16 33	2 21	22 39	0 25	0 27	1 28	0 12	15 56	14 39	15 10	6 42	9 6	6 44
S 17	2 21	12 10	4 30	2 32	1 19	15 48	2 31	15 32	0 33	22 16	0 39	16 33	2 21	22 39	0 25	0 28	1 28	0 13	15 56	14 40	15 11	6 45	9 7	6 44
M18	1 57	18 5	5 1	1 45	1 13	15 40	2 25	15 45	0 33	22 16	0 39	16 32	2 21	22 39	0 25	0 29	1 28	0 13	15 57	14 42	15 12	6 48	9 8	6 44
T 19	1 34	22 49	5 11	0 58	1 8	15 32	2 18	15 59	0 34	22 16	0 39	16 32	2 21	22 39	0 25	0 30	1 28	0 14	15 57	14 43	15 13	6 51	9 9	6 43
W20	1 11	26 1	5 2	0 11	1 2	15 24	2 11	16 12	0 35	22 16	0 39	16 31	2 21	22 38	0 25	0 31	1 28	0 14	15 57	14 44	15 14	6 54	9 10	6 43
T 21	0 47	27 32	4 35	0s36	0 56	15 15	2 5	16 25	0 35	22 16	0 39	16 30	2 22	22 38	0 25	0 32	1 28	0 14	15 57	14 45	15 15	6 58	9 11	6 43
F 22	0 24	27 23	3 54	1 22	0 50	15 5	1 58	16 38	0 36	22 16	0 39	16 30	2 22	22 38	0 25	0 33	1 28	0 15	15 57	14 45	15 16	7 1	9 11	6 42
S 23	0 0	25 43	3 3	2 9	0 44	14 55	1 51	16 51	0 36	22 16	0 39	16 29	2 22	22 38	0 25	0 34	1 28	0 15	15 58	14 45	15 17	7 4	9 12	6 42
S 24	0s23	22 47	2 3	2 55	0 38	14 45	1 45	17 4	0 37	22 15	0 39	16 29	2 22	22 38	0 25	0 34	1 28	0 16	15 58	14 44	15 18	7 7	9 13	6 42
M25	0 47	18 52	0 59	3 40	0 31	14 34	1 39	17 17	0 38	22 15	0 39	16 28	2 22	22 37	0 25	0 35	1 28	0 16	15 58	14 44	15 19	7 10	9 14	6 41
T 26	1 10	14 14	0s 7	4 25	0 24	14 23	1 32	17 30	0 38	22 15	0 39	16 27	2 23	22 37	0 25	0 36	1 28	0 17	15 58	14 44	15 20	7 13	9 15	6 41
W27	1 34	9 7	1 11	5 10	0 18	14 11	1 26	17 42	0 39	22 15	0 39	16 27	2 23	22 37	0 25	0 37	1 28	0 17	15 58	14 44	15 21	7 17	9 16	6 40
T 28	1 57	3 43	2 12	5 54	0 11	13 59	1 20	17 54	0 39	22 14	0 39	16 26	2 23	22 37	0 25	0 38	1 28	0 17	15 59	14 45	15 22	7 20	9 17	6 40
F 29	2 21	1s47	3 6	6 38	0 4	13 46	1 14	18 7	0 40	22 14	0 39	16 25	2 23	22 37	0 25	0 39	1 28	0 18	15 59	14 47	15 23	7 23	9 18	6 40
S 30	2s44	7s11	3s52	7s21	0s 3	13n32	1s 8	18s19	0s41	22s14	0s39	16n24	2s23	22n37	0n25	0s40	1n28	0s18	15s59	14s49	15s24	7s26	9s19	6n39

Julian Day Number = 2311900.5, Delta T = 68.76 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'15, Lahiri = 18°31'15Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1617
geocentric

OCTOBER 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 39 13	7♎52'22	20♎59	20♎10	21♌46	20♏16	22♑39	23°R34	18♋40	5♎ 6	10°R 9	19°R57	18♒11	9♎33	17°R21	S 1
M 2	0 43 10	8°51'37	2♏52	21°45	22°47	20°59	22°41	23♉32	18°41	5° 8	10♉ 8	19♒47	18° 8	9°39	17♒20	M 2
T 3	0 47 6	9°50'54	14°50	23°18	23°49	21°41	22°44	23°29	18°42	5°10	10° 7	19°37	18° 5	9°46	17°18	T 3
W 4	0 51 3	10°50'13	26°53	24°51	24°50	22°24	22°47	23°26	18°44	5°12	10° 7	19°29	18° 2	9°53	17°17	W 4
T 5	0 54 59	11°49'34	9♐ 5	26°24	25°53	23° 6	22°50	23°23	18°45	5°15	10° 6	19°22	17°59	10° 0	17°15	T 5
F 6	0 58 56	12°48'57	21°29	27°55	26°55	23°49	22°53	23°20	18°46	5°17	10° 5	19°17	17°56	10° 6	17°14	F 6
S 7	1 2 53	13°48'21	4♑ 9	29°26	27°58	24°32	22°57	23°17	18°47	5°19	10° 4	19°15	17°52	10°13	17°13	S 7
S 8	1 6 49	14°47'48	17° 7	0♏56	29° 2	25°15	23° 1	23°14	18°48	5°21	10° 3	19°D14	17°49	10°20	17°11	S 8
M 9	1 10 46	15°47'16	0♒28	2°25	0♍ 5	25°58	23° 4	23°10	18°49	5°24	10° 2	19°15	17°46	10°26	17°10	M 9
T 10	1 14 42	16°46'46	14°15	3°54	1° 9	26°41	23° 8	23° 7	18°49	5°26	10° 1	19°R16	17°43	10°33	17° 9	T 10
W11	1 18 39	17°46'17	28°28	5°22	2°13	27°24	23°13	23° 4	18°50	5°28	10° 0	19°16	17°40	10°40	17° 8	W11
T 12	1 22 35	18°45'51	13♓ 8	6°49	3°18	28° 7	23°17	23° 0	18°51	5°30	9°59	19°13	17°37	10°46	17° 7	T 12
F 13	1 26 32	19°45'26	28° 9	8°15	4°23	28°50	23°22	22°56	18°52	5°32	9°58	19° 9	17°33	10°53	17° 6	F 13
S 14	1 30 28	20°45'03	13♈24	9°40	5°28	29°33	23°26	22°53	18°52	5°35	9°56	19° 2	17°30	11° 0	17° 5	S 14
S 15	1 34 25	21°44'42	28°43	11° 5	6°33	0♐17	23°31	22°49	18°53	5°37	9°55	18°53	17°27	11° 7	17° 5	S 15
M16	1 38 22	22°44'23	13♉54	12°29	7°39	1° 0	23°37	22°45	18°53	5°39	9°54	18°43	17°24	11°13	17° 4	M16
T 17	1 42 18	23°44'06	28°47	13°52	8°45	1°43	23°42	22°41	18°54	5°41	9°53	18°33	17°21	11°20	17° 3	T 17
W18	1 46 15	24°43'52	13♊14	15°14	9°51	2°27	23°47	22°37	18°54	5°43	9°52	18°26	17°17	11°27	17° 3	W18
T 19	1 50 11	25°43'40	27°12	16°35	10°57	3°11	23°53	22°33	18°55	5°45	9°51	18°20	17°14	11°33	17° 2	T 19
F 20	1 54 8	26°43'30	10♋40	17°56	12° 4	3°54	23°59	22°29	18°55	5°47	9°50	18°17	17°11	11°40	17° 1	F 20
S 21	1 58 4	27°43'22	23°40	19°15	13°11	4°38	24° 5	22°25	18°55	5°50	9°49	18°D15	17° 8	11°47	17° 1	S 21
S 22	2 2 1	28°43'16	6♌15	20°32	14°18	5°22	24°11	22°21	18°55	5°52	9°48	18°16	17° 5	11°53	17° 1	S 22
M23	2 5 57	29°43'13	18°32	21°49	15°26	6° 6	24°17	22°16	18°55	5°54	9°47	18°R16	17° 2	12° 0	17° 0	M23
T 24	2 9 54	0♏43'12	0♍35	23° 4	16°33	6°50	24°24	22°12	18°55	5°56	9°46	18°15	16°58	12° 7	17° 0	T 24
W25	2 13 51	1°43'13	12°30	24°18	17°41	7°34	24°30	22° 8	18°R55	5°58	9°45	18°12	16°55	12°13	17° 0	W25
T 26	2 17 47	2°43'16	24°19	25°30	18°49	8°18	24°37	22° 3	18°55	6° 0	9°43	18° 7	16°52	12°20	17° 0	T 26
F 27	2 21 44	3°43'21	6♎ 8	26°40	19°57	9° 2	24°44	21°59	18°55	6° 2	9°42	17°59	16°49	12°27	17°D 0	F 27
S 28	2 25 40	4°43'28	17°58	27°48	21° 5	9°47	24°51	21°54	18°55	6° 4	9°41	17°48	16°46	12°34	17° 0	S 28
S 29	2 29 37	5°43'37	29°53	28°53	22°14	10°31	24°58	21°50	18°55	6° 6	9°40	17°35	16°42	12°40	17° 0	S 29
M30	2 33 33	6°43'48	11♏53	29°56	23°23	11°15	25° 6	21°45	18°55	6° 8	9°39	17°20	16°39	12°47	17° 0	M30
T 31	2 37 30	7♏44'01	23♏59	0♐56	24♍32	12♐ 0	25♑13	21♉40	18♋54	6♎10	9♉38	17♒ 6	16♒36	12♎54	17♒ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s 8	12s21	4s29	8s 3	0s10	13n19	1s 2	18s31	0s41	22s13	0s39	16n24	2s23	22n36	0n25	0s41	1n28	0s19	15s59	14s52	15s25	7s29	9s20	6n39
M 2	3 31	17 5	4 53	8 45	0 17	13 4	0 56	18 43	0 42	22 13	0 39	16 23	2 23	22 36	0 25	0 42	1 28	0 19	15 59	14 55	15 26	7 32	9 20	6 39
T 3	3 55	21 10	5 5	9 27	0 24	12 50	0 50	18 54	0 42	22 12	0 39	16 22	2 24	22 36	0 25	0 42	1 28	0 20	15 59	14 58	15 27	7 35	9 21	6 38
W 4	4 18	24 25	5 4	10 8	0 31	12 35	0 44	19 6	0 43	22 12	0 39	16 21	2 24	22 36	0 26	0 43	1 28	0 20	15 59	15 1	15 28	7 39	9 22	6 38
T 5	4 41	26 37	4 48	10 48	0 38	12 19	0 38	19 17	0 43	22 11	0 39	16 20	2 24	22 36	0 26	0 44	1 28	0 20	16 0	15 3	15 29	7 42	9 23	6 37
F 6	5 4	27 32	4 20	11 28	0 45	12 3	0 33	19 29	0 44	22 11	0 39	16 19	2 24	22 36	0 26	0 45	1 28	0 21	16 0	15 4	15 30	7 45	9 24	6 37
S 7	5 28	27 3	3 38	12 7	0 52	11 47	0 27	19 40	0 44	22 10	0 39	16 18	2 24	22 36	0 26	0 46	1 28	0 21	16 0	15 5	15 30	7 48	9 24	6 37
S 8	5 51	25 6	2 43	12 45	0 59	11 30	0 22	19 51	0 45	22 10	0 39	16 18	2 24	22 36	0 26	0 47	1 28	0 22	16 0	15 5	15 31	7 51	9 25	6 36
M 9	6 14	21 42	1 39	13 22	1 6	11 13	0 16	20 1	0 46	22 9	0 39	16 17	2 24	22 35	0 26	0 48	1 28	0 22	16 0	15 5	15 32	7 54	9 26	6 36
T 10	6 36	17 1	0 27	13 59	1 13	10 55	0 11	20 12	0 46	22 8	0 39	16 16	2 25	22 35	0 26	0 48	1 28	0 22	16 0	15 5	15 33	7 57	9 27	6 35
W11	6 59	11 16	0n49	14 35	1 19	10 37	0 6	20 23	0 47	22 7	0 39	16 15	2 25	22 35	0 26	0 49	1 28	0 23	16 0	15 5	15 34	8 1	9 27	6 35
T 12	7 22	4 44	2 4	15 10	1 26	10 18	0 1	20 33	0 47	22 7	0 39	16 14	2 25	22 35	0 26	0 50	1 29	0 23	16 0	15 5	15 35	8 4	9 28	6 34
F 13	7 45	2n12	3 12	15 45	1 33	9 59	0n 4	20 43	0 48	22 6	0 39	16 13	2 25	22 35	0 26	0 51	1 29	0 24	16 1	15 7	15 36	8 7	9 29	6 34
S 14	8 7	9 5	4 7	16 18	1 39	9 40	0 9	20 53	0 48	22 5	0 39	16 12	2 25	22 35	0 26	0 52	1 29	0 24	16 1	15 9	15 37	8 10	9 29	6 34
S 15	8 30	15 28	4 45	16 51	1 45	9 20	0 14	21 3	0 49	22 4	0 39	16 11	2 25	22 35	0 26	0 53	1 29	0 24	16 1	15 12	15 38	8 13	9 30	6 33
M16	8 52	20 51	5 2	17 23	1 51	9 0	0 19	21 12	0 49	22 3	0 39	16 10	2 25	22 35	0 26	0 54	1 29	0 25	16 1	15 15	15 39	8 16	9 31	6 33
T 17	9 14	24 47	4 58	17 54	1 57	8 40	0 23	21 22	0 49	22 2	0 39	16 9	2 25	22 35	0 26	0 54	1 29	0 25	16 1	15 18	15 40	8 19	9 31	6 32
W18	9 36	27 0	4 36	18 24	2 3	8 19	0 28	21 31	0 50	22 1	0 39	16 7	2 25	22 35	0 26	0 55	1 29	0 26	16 1	15 20	15 41	8 22	9 32	6 32
T 19	9 58	27 24	3 57	18 53	2 8	7 58	0 32	21 40	0 50	22 0	0 39	16 6	2 25	22 35	0 26	0 56	1 29	0 26	16 1	15 22	15 42	8 26	9 32	6 31
F 20	10 20	26 9	3 6	19 21	2 13	7 37	0 37	21 49	0 51	21 59	0 39	16 5	2 25	22 35	0 26	0 57	1 29	0 26	16 1	15 23	15 43	8 29	9 33	6 31
S 21	10 41	23 30	2 7	19 47	2 18	7 15	0 41	21 57	0 51	21 58	0 39	16 4	2 26	22 35	0 26	0 58	1 29	0 27	16 1	15 23	15 44	8 32	9 34	6 30
S 22	11 3	19 46	1 3	20 13	2 23	6 53	0 45	22 6	0 52	21 57	0 39	16 3	2 26	22 35	0 26	0 59	1 29	0 27	16 1	15 23	15 45	8 35	9 34	6 30
M23	11 24	15 17	0s 1	20 38	2 27	6 30	0 49	22 14	0 52	21 56	0 38	16 2	2 26	22 35	0 26	0 59	1 29	0 27	16 1	15 23	15 46	8 38	9 35	6 30
T 24	11 45	10 16	1 5	21 1	2 31	6 8	0 53	22 22	0 53	21 55	0 38	16 1	2 26	22 35	0 26	1 0	1 29	0 28	16 1	15 23	15 47	8 41	9 35	6 29
W25	12 6	4 58	2 5	21 24	2 35	5 45	0 57	22 30	0 53	21 54	0 38	15 59	2 26	22 35	0 26	1 1	1 29	0 28	16 1	15 24	15 48	8 44	9 36	6 29
T 26	12 27	0s28	2 59	21 44	2 39	5 22	1 0	22 37	0 54	21 53	0 38	15 58	2 26	22 35	0 26	1 2	1 29	0 28	16 1	15 26	15 49	8 47	9 36	6 28
F 27	12 47	5 53	3 45	22 4	2 41	4 58	1 4	22 45	0 54	21 51	0 38	15 57	2 26	22 35	0 26	1 2	1 29	0 29	16 1	15 28	15 50	8 50	9 36	6 28
S 28	13 7	11 5	4 21	22 22	2 44	4 34	1 7	22 52	0 54	21 50	0 38	15 56	2 26	22 35	0 26	1 3	1 29	0 29	16 1	15 32	15 51	8 53	9 37	6 27
S 29	13 28	15 54	4 46	22 39	2 46	4 10	1 11	22 59	0 55	21 49	0 38	15 55	2 26	22 35	0 26	1 4	1 29	0 29	16 1	15 36	15 52	8 57	9 37	6 27
M30	13 47	20 9	4 58	22 54	2 47	3 46	1 14	23 5	0 55	21 47	0 38	15 54	2 26	22 35	0 26	1 5	1 29	0 30	16 1	15 40	15 53	9 0	9 38	6 26
T 31	14s 7	23s36	4s58	23s 8	2s48	3n22	1n17	23s12	0s56	21s46	0s38	15n52	2s26	22n35	0n26	1s 6	1n29	0s30	16s 1	15s45	15s54	9s 3	9s38	6n26

Julian Day Number = 2311930.5, Delta T = 68.68 sec
Ecliptic obliquity = 23°29'28, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'19, Lahiri = 18°31'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

NOVEMBER 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 41 26	8♏44'15	6♐12	1♐53	25♍41	12♐44	25♑21	21°R36	18°R54	6♎12	9°R37	16°R53	16♒33	13♎ 0	17♒ 1	W 1
T 2	2 45 23	9°44'32	18°34	2°47	26°50	13°29	25°29	21♉31	18♋54	6°14	9♉36	16♒42	16°30	13° 7	17° 1	T 2
F 3	2 49 20	10°44'50	1♑ 6	3°36	28° 0	14°13	25°37	21°26	18°53	6°16	9°34	16°34	16°27	13°14	17° 1	F 3
S 4	2 53 16	11°45'09	13°50	4°21	29° 9	14°58	25°45	21°21	18°53	6°18	9°33	16°29	16°23	13°20	17° 2	S 4
S 5	2 57 13	12°45'30	26°49	5° 0	0♎19	15°43	25°53	21°17	18°52	6°20	9°32	16°26	16°20	13°27	17° 3	S 5
M 6	3 1 9	13°45'52	10♒ 6	5°34	1°29	16°28	26° 1	21°12	18°52	6°21	9°31	16°26	16°17	13°34	17° 3	M 6
T 7	3 5 6	14°46'16	23°42	6° 2	2°39	17°13	26°10	21° 7	18°51	6°23	9°30	16°26	16°14	13°41	17° 4	T 7
W 8	3 9 2	15°46'41	7♓42	6°22	3°49	17°58	26°19	21° 2	18°50	6°25	9°29	16°25	16°11	13°47	17° 5	W 8
T 9	3 12 59	16°47'07	22° 4	6°35	4°59	18°43	26°28	20°57	18°49	6°27	9°28	16°22	16° 8	13°54	17° 5	T 9
F 10	3 16 55	17°47'35	6♈47	6°R39	6°10	19°28	26°36	20°52	18°48	6°29	9°27	16°16	16° 4	14° 1	17° 6	F 10
S 11	3 20 52	18°48'04	21°46	6°34	7°21	20°13	26°46	20°47	18°48	6°31	9°25	16° 8	16° 1	14° 7	17° 7	S 11
S 12	3 24 49	19°48'34	6♉52	6°19	8°31	20°58	26°55	20°42	18°47	6°32	9°24	15°57	15°58	14°14	17° 8	S 12
M13	3 28 45	20°49'07	21°56	5°54	9°42	21°43	27° 4	20°37	18°46	6°34	9°23	15°46	15°55	14°21	17° 9	M13
T 14	3 32 42	21°49'40	6♊48	5°19	10°53	22°29	27°14	20°33	18°45	6°36	9°22	15°34	15°52	14°28	17°10	T 14
W15	3 36 38	22°50'15	21°18	4°33	12° 4	23°14	27°23	20°28	18°44	6°37	9°21	15°24	15°48	14°34	17°12	W15
T 16	3 40 35	23°50'52	5♋21	3°37	13°16	23°59	27°33	20°23	18°42	6°39	9°20	15°16	15°45	14°41	17°13	T 16
F 17	3 44 31	24°51'31	18°55	2°32	14°27	24°45	27°43	20°18	18°41	6°41	9°19	15°11	15°42	14°48	17°14	F 17
S 18	3 48 28	25°52'11	2♌ 1	1°19	15°38	25°30	27°53	20°13	18°40	6°42	9°18	15° 9	15°39	14°54	17°16	S 18
S 19	3 52 24	26°52'53	14°42	0° 0	16°50	26°16	28° 3	20° 8	18°39	6°44	9°17	15°D 9	15°36	15° 1	17°17	S 19
M20	3 56 21	27°53'36	27° 1	28♏39	18° 2	27° 1	28°13	20° 3	18°37	6°46	9°16	15°R 9	15°33	15° 8	17°18	M20
T 21	4 0 18	28°54'21	9♍ 5	27°17	19°14	27°47	28°23	19°58	18°36	6°47	9°15	15° 8	15°29	15°14	17°20	T 21
W22	4 4 14	29°55'08	21° 0	25°57	20°26	28°33	28°34	19°54	18°35	6°49	9°14	15° 6	15°26	15°21	17°22	W22
T 23	4 8 11	0♐55'56	2♎49	24°42	21°38	29°19	28°44	19°49	18°33	6°50	9°13	15° 2	15°23	15°28	17°23	T 23
F 24	4 12 7	1°56'45	14°39	23°34	22°50	0♑ 5	28°55	19°44	18°32	6°52	9°11	14°55	15°20	15°35	17°25	F 24
S 25	4 16 4	2°57'36	26°31	22°35	24° 2	0°50	29° 6	19°39	18°30	6°53	9°10	14°45	15°17	15°41	17°27	S 25
S 26	4 20 0	3°58'29	8♏31	21°47	25°14	1°36	29°16	19°35	18°28	6°54	9° 9	14°33	15°14	15°48	17°29	S 26
M27	4 23 57	4°59'22	20°39	21°10	26°27	2°22	29°27	19°30	18°27	6°56	9° 8	14°19	15°10	15°55	17°31	M27
T 28	4 27 53	6° 0'17	2♐57	20°44	27°39	3° 8	29°38	19°25	18°25	6°57	9° 7	14° 6	15° 7	16° 1	17°33	T 28
W29	4 31 50	7° 1'13	15°25	20°30	28°52	3°54	29°50	19°21	18°23	6°58	9° 6	13°54	15° 4	16° 8	17°35	W29
T 30	4 35 47	8♐ 2'10	28♐ 4	20°D27	0♏ 4	4♑41	0♒ 1	19♉16	18♋22	7♎ 0	9♉ 5	13♒43	15♒ 1	16♎15	17♒37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s27	26s 2	4s43	23s20	2s48	2n57	1n20	23s18	0s56	21s45	0s38	15n51	2s26	22n35	0n26	1s 6	1n29	0s30	16s 1	15s49	15s55	9s 6	9s38	6n25
T 2	14 46	27 14	4 15	23 30	2 48	2 32	1 23	23 24	0 56	21 43	0 38	15 50	2 26	22 36	0 26	1 7	1 29	0 31	16 1	15 52	15 56	9 9	9 39	6 25
F 3	15 5	27 4	3 35	23 38	2 46	2 7	1 26	23 30	0 57	21 42	0 38	15 49	2 26	22 36	0 26	1 8	1 29	0 31	16 1	15 54	15 57	9 12	9 39	6 25
S 4	15 24	25 28	2 43	23 45	2 44	1 42	1 29	23 35	0 57	21 40	0 38	15 47	2 26	22 36	0 26	1 8	1 29	0 31	16 1	15 56	15 57	9 15	9 39	6 24
S 5	15 42	22 30	1 42	23 49	2 41	1 17	1 32	23 41	0 58	21 39	0 38	15 46	2 26	22 36	0 27	1 9	1 29	0 32	16 1	15 57	15 58	9 18	9 40	6 24
M 6	16 0	18 17	0 33	23 51	2 37	0 51	1 34	23 46	0 58	21 37	0 38	15 45	2 26	22 36	0 27	1 10	1 29	0 32	16 1	15 57	15 59	9 21	9 40	6 23
T 7	16 18	13 3	0n38	23 51	2 31	0 25	1 37	23 50	0 58	21 35	0 38	15 44	2 26	22 36	0 27	1 11	1 29	0 32	16 1	15 57	16 0	9 24	9 40	6 23
W 8	16 36	7 0	1 50	23 48	2 25	0s 0	1 39	23 55	0 59	21 34	0 38	15 42	2 26	22 36	0 27	1 11	1 29	0 33	16 1	15 57	16 1	9 27	9 40	6 22
T 9	16 53	0 27	2 56	23 42	2 17	0 26	1 41	23 59	0 59	21 32	0 38	15 41	2 26	22 36	0 27	1 12	1 29	0 33	16 1	15 58	16 2	9 30	9 41	6 22
F 10	17 10	6n15	3 52	23 34	2 7	0 52	1 43	24 3	0 59	21 30	0 38	15 40	2 26	22 36	0 27	1 13	1 29	0 33	16 1	16 0	16 3	9 33	9 41	6 21
S 11	17 27	12 43	4 34	23 22	1 57	1 18	1 45	24 7	1 0	21 29	0 38	15 39	2 26	22 37	0 27	1 13	1 29	0 33	16 1	16 2	16 4	9 36	9 41	6 21
S 12	17 44	18 30	4 56	23 7	1 44	1 45	1 47	24 11	1 0	21 27	0 38	15 37	2 26	22 37	0 27	1 14	1 29	0 34	16 1	16 5	16 5	9 39	9 41	6 20
M13	18 0	23 5	4 58	22 49	1 30	2 11	1 49	24 14	1 0	21 25	0 38	15 36	2 26	22 37	0 27	1 15	1 29	0 34	16 1	16 9	16 6	9 43	9 41	6 20
T 14	18 16	26 5	4 40	22 27	1 15	2 37	1 51	24 17	1 1	21 23	0 38	15 35	2 26	22 37	0 27	1 15	1 29	0 34	16 1	16 12	16 7	9 46	9 41	6 20
W15	18 31	27 16	4 4	22 2	0 58	3 3	1 52	24 20	1 1	21 21	0 38	15 34	2 26	22 37	0 27	1 16	1 30	0 34	16 0	16 15	16 8	9 49	9 41	6 19
T 16	18 46	26 36	3 14	21 34	0 39	3 30	1 54	24 22	1 1	21 19	0 38	15 33	2 25	22 37	0 27	1 17	1 30	0 35	16 0	16 17	16 9	9 52	9 41	6 19
F 17	19 1	24 22	2 14	21 2	0 20	3 56	1 55	24 25	1 1	21 17	0 38	15 31	2 25	22 38	0 27	1 17	1 30	0 35	16 0	16 19	16 10	9 55	9 41	6 18
S 18	19 16	20 52	1 9	20 28	0n 0	4 23	1 56	24 27	1 2	21 15	0 38	15 30	2 25	22 38	0 27	1 18	1 30	0 35	16 0	16 20	16 11	9 58	9 41	6 18
S 19	19 30	16 30	0 2	19 51	0 21	4 49	1 58	24 28	1 2	21 13	0 38	15 29	2 25	22 38	0 27	1 18	1 30	0 35	16 0	16 20	16 12	10 1	9 41	6 17
M20	19 44	11 33	1s 3	19 14	0 41	5 15	1 59	24 30	1 2	21 11	0 38	15 28	2 25	22 38	0 27	1 19	1 30	0 35	16 0	16 20	16 13	10 4	9 41	6 17
T 21	19 57	6 16	2 3	18 36	1 1	5 42	2 0	24 31	1 3	21 9	0 38	15 27	2 25	22 39	0 27	1 19	1 30	0 36	16 0	16 20	16 14	10 7	9 41	6 17
W22	20 11	0 51	2 58	17 59	1 20	6 8	2 0	24 32	1 3	21 7	0 38	15 25	2 25	22 39	0 27	1 20	1 30	0 36	16 0	16 20	16 15	10 10	9 41	6 16
T 23	20 23	4s33	3 44	17 25	1 37	6 34	2 1	24 32	1 3	21 5	0 38	15 24	2 25	22 39	0 27	1 21	1 30	0 36	15 59	16 22	16 15	10 13	9 41	6 16
F 24	20 36	9 47	4 21	16 53	1 53	7 1	2 2	24 33	1 3	21 3	0 38	15 23	2 25	22 39	0 27	1 21	1 30	0 36	15 59	16 24	16 16	10 16	9 41	6 15
S 25	20 48	14 42	4 46	16 26	2 6	7 27	2 2	24 33	1 4	21 0	0 38	15 22	2 25	22 39	0 27	1 22	1 30	0 36	15 59	16 27	16 17	10 19	9 41	6 15
S 26	20 59	19 6	5 0	16 3	2 17	7 53	2 3	24 33	1 4	20 58	0 38	15 21	2 24	22 40	0 27	1 22	1 30	0 36	15 59	16 30	16 18	10 22	9 41	6 14
M27	21 11	22 45	4 59	15 45	2 26	8 19	2 3	24 32	1 4	20 56	0 38	15 20	2 24	22 40	0 27	1 23	1 30	0 37	15 59	16 34	16 19	10 25	9 41	6 14
T 28	21 21	25 27	4 45	15 31	2 33	8 44	2 3	24 31	1 4	20 54	0 38	15 19	2 24	22 40	0 27	1 23	1 30	0 37	15 59	16 38	16 20	10 28	9 40	6 14
W29	21 32	26 57	4 18	15 23	2 37	9 10	2 4	24 30	1 4	20 51	0 38	15 18	2 24	22 40	0 27	1 24	1 30	0 37	15 59	16 42	16 21	10 31	9 40	6 13
T 30	21s42	27s 5	3s37	15s19	2n40	9s36	2n 4	24s29	1s 5	20s49	0s38	15n16	2s24	22n41	0n27	1s24	1n30	0s37	15s58	16s44	16s22	10s34	9s40	6n13

Julian Day Number = 2311961.5, Delta T = 68.60 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'23, Lahiri = 18°31'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1617
geocentric

DECEMBER 1617 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 39 43	9♐ 3'08	10♑53	20♏34	1♏17	5♑27	0♒12	19°R12	18°R20	7♎ 1	9°R 5	13°R36	14♒58	16♎21	17♒39	F 1
S 2	4 43 40	10° 4'07	23°53	20°50	2°30	6°13	0°24	19♉ 7	18♋18	7° 2	9♉ 4	13♒32	14°54	16°28	17°41	S 2
S 3	4 47 36	11° 5'07	7♒ 4	21°16	3°43	6°59	0°35	19° 3	18°16	7° 3	9° 3	13°30	14°51	16°35	17°43	S 3
M 4	4 51 33	12° 6'07	20°28	21°49	4°56	7°46	0°47	18°59	18°14	7° 5	9° 2	13°D30	14°48	16°42	17°46	M 4
T 5	4 55 29	13° 7'08	4♓ 5	22°29	6° 9	8°32	0°59	18°54	18°12	7° 6	9° 1	13°31	14°45	16°48	17°48	T 5
W 6	4 59 26	14° 8'09	17°58	23°15	7°22	9°18	1°10	18°50	18°10	7° 7	9° 0	13°R31	14°42	16°55	17°50	W 6
T 7	5 3 22	15° 9'10	2♈ 6	24° 7	8°35	10° 5	1°22	18°46	18° 8	7° 8	8°59	13°29	14°39	17° 2	17°53	T 7
F 8	5 7 19	16°10'13	16°29	25° 4	9°48	10°51	1°34	18°42	18° 6	7° 9	8°58	13°26	14°35	17° 8	17°55	F 8
S 9	5 11 16	17°11'15	1♉ 3	26° 5	11° 1	11°38	1°46	18°38	18° 4	7°10	8°57	13°20	14°32	17°15	17°58	S 9
S 10	5 15 12	18°12'19	15°43	27°10	12°14	12°24	1°59	18°34	18° 2	7°11	8°56	13°12	14°29	17°22	18° 1	S 10
M11	5 19 9	19°13'23	0♊23	28°18	13°28	13°11	2°11	18°30	18° 0	7°12	8°56	13° 3	14°26	17°29	18° 3	M11
T 12	5 23 5	20°14'27	14°55	29°28	14°41	13°58	2°23	18°26	17°57	7°13	8°55	12°54	14°23	17°35	18° 6	T 12
W13	5 27 2	21°15'32	29°12	0♗42	15°55	14°44	2°35	18°23	17°55	7°14	8°54	12°46	14°20	17°42	18° 9	W13
T 14	5 30 58	22°16'38	13♋ 8	1°57	17° 8	15°31	2°48	18°19	17°53	7°15	8°53	12°40	14°16	17°49	18°12	T 14
F 15	5 34 55	23°17'44	26°41	3°14	18°22	16°18	3° 0	18°15	17°51	7°16	8°52	12°37	14°13	17°55	18°15	F 15
S 16	5 38 52	24°18'51	9♌48	4°33	19°35	17° 4	3°13	18°12	17°48	7°17	8°52	12°D36	14°10	18° 2	18°17	S 16
S 17	5 42 48	25°19'58	22°32	5°53	20°49	17°51	3°26	18° 9	17°46	7°17	8°51	12°36	14° 7	18° 9	18°20	S 17
M18	5 46 45	26°21'06	4♍56	7°15	22° 3	18°38	3°38	18° 5	17°44	7°18	8°50	12°37	14° 4	18°16	18°23	M18
T 19	5 50 41	27°22'15	17° 4	8°38	23°16	19°25	3°51	18° 2	17°41	7°19	8°50	12°39	14° 0	18°22	18°26	T 19
W20	5 54 38	28°23'24	29° 1	10° 2	24°30	20°12	4° 4	17°59	17°39	7°19	8°49	12°R39	13°57	18°29	18°30	W20
T 21	5 58 34	29°24'34	10♎52	11°26	25°44	20°59	4°17	17°56	17°36	7°20	8°48	12°38	13°54	18°36	18°33	T 21
F 22	6 2 31	0♑25'44	22°43	12°52	26°58	21°46	4°30	17°53	17°34	7°21	8°48	12°36	13°51	18°42	18°36	F 22
S 23	6 6 27	1°26'55	4♏38	14°18	28°12	22°33	4°43	17°50	17°32	7°21	8°47	12°31	13°48	18°49	18°39	S 23
S 24	6 10 24	2°28'07	16°41	15°45	29°26	23°20	4°56	17°47	17°29	7°22	8°46	12°25	13°45	18°56	18°42	S 24
M25	6 14 21	3°29'18	28°56	17°13	0♗40	24° 7	5°10	17°45	17°27	7°22	8°46	12°18	13°41	19° 3	18°46	M25
T 26	6 18 17	4°30'30	11♗24	18°41	1°54	24°54	5°23	17°42	17°24	7°23	8°45	12°10	13°38	19° 9	18°49	T 26
W27	6 22 14	5°31'43	24° 6	20° 9	3° 8	25°41	5°36	17°40	17°22	7°23	8°45	12° 4	13°35	19°16	18°52	W27
T 28	6 26 10	6°32'55	7♑ 3	21°39	4°22	26°28	5°49	17°37	17°19	7°24	8°44	11°58	13°32	19°23	18°56	T 28
F 29	6 30 7	7°34'07	20°15	23° 8	5°36	27°15	6° 3	17°35	17°16	7°24	8°43	11°54	13°29	19°29	18°59	F 29
S 30	6 34 3	8°35'19	3♒38	24°38	6°50	28° 2	6°16	17°33	17°14	7°24	8°43	11°52	13°26	19°36	19° 3	S 30
S 31	6 38 0	9♑36'31	17♒14	26♗ 9	8♗ 4	28♑50	6♒30	17♉31	17♋11	7♎25	8♉42	11°D52	13♒22	19♎43	19♒ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s51	25s46	2s44	15s20	2n42	10s 1	2n 4	24s27	1s 5	20s46	0s38	15n15	2s24	22n41	0n27	1s25	1n30	0s37	15s58	16s47	16s23	10s37	9s40	6n12
S 2	22 0	23 4	1 43	15 24	2 42	10 26	2 3	24 26	1 5	20 44	0 38	15 14	2 24	22 41	0 27	1 25	1 30	0 37	15 58	16 48	16 24	10 40	9 39	6 12
S 3	22 9	19 6	0 34	15 32	2 40	10 51	2 3	24 23	1 5	20 41	0 38	15 13	2 23	22 42	0 27	1 25	1 30	0 37	15 58	16 48	16 25	10 43	9 39	6 12
M 4	22 17	14 7	0n37	15 43	2 38	11 16	2 3	24 21	1 5	20 39	0 38	15 12	2 23	22 42	0 27	1 26	1 30	0 37	15 58	16 48	16 26	10 46	9 39	6 11
T 5	22 25	8 22	1 48	15 57	2 34	11 40	2 2	24 18	1 6	20 36	0 38	15 11	2 23	22 42	0 27	1 26	1 30	0 37	15 57	16 48	16 27	10 49	9 38	6 11
W 6	22 33	2 6	2 53	16 13	2 30	12 5	2 2	24 15	1 6	20 34	0 38	15 10	2 23	22 42	0 27	1 27	1 31	0 37	15 57	16 48	16 28	10 52	9 38	6 10
T 7	22 40	4n21	3 50	16 30	2 25	12 29	2 1	24 12	1 6	20 31	0 38	15 9	2 23	22 43	0 27	1 27	1 31	0 37	15 57	16 49	16 29	10 55	9 38	6 10
F 8	22 46	10 41	4 32	16 50	2 19	12 52	2 1	24 9	1 6	20 29	0 38	15 8	2 22	22 43	0 27	1 27	1 31	0 38	15 57	16 50	16 29	10 58	9 37	6 10
S 9	22 52	16 31	4 58	17 10	2 13	13 16	2 0	24 5	1 6	20 26	0 38	15 8	2 22	22 43	0 27	1 28	1 31	0 38	15 56	16 51	16 30	11 1	9 37	6 9
S 10	22 58	21 26	5 5	17 31	2 6	13 39	1 59	24 1	1 6	20 23	0 38	15 7	2 22	22 44	0 27	1 28	1 31	0 38	15 56	16 54	16 31	11 4	9 37	6 9
M11	23 3	25 1	4 51	17 53	1 59	14 2	1 58	23 56	1 6	20 20	0 38	15 6	2 22	22 44	0 27	1 28	1 31	0 38	15 56	16 56	16 32	11 7	9 36	6 8
T 12	23 8	26 56	4 19	18 15	1 52	14 25	1 57	23 52	1 7	20 18	0 38	15 5	2 22	22 44	0 28	1 29	1 31	0 38	15 56	16 59	16 33	11 10	9 36	6 8
W13	23 12	27 1	3 31	18 38	1 45	14 47	1 56	23 47	1 7	20 15	0 38	15 4	2 21	22 45	0 28	1 29	1 31	0 38	15 56	17 1	16 34	11 13	9 35	6 8
T 14	23 16	25 21	2 32	19 1	1 37	15 9	1 55	23 41	1 7	20 12	0 38	15 3	2 21	22 45	0 28	1 29	1 31	0 38	15 55	17 2	16 35	11 15	9 35	6 7
F 15	23 19	22 15	1 25	19 23	1 29	15 31	1 54	23 36	1 7	20 9	0 38	15 3	2 21	22 45	0 28	1 30	1 31	0 38	15 55	17 3	16 36	11 18	9 34	6 7
S 16	23 22	18 5	0 15	19 45	1 22	15 52	1 52	23 30	1 7	20 6	0 39	15 2	2 21	22 46	0 28	1 30	1 31	0 38	15 55	17 4	16 37	11 21	9 34	6 7
S 17	23 24	13 11	0s53	20 7	1 14	16 13	1 51	23 24	1 7	20 3	0 39	15 1	2 21	22 46	0 28	1 30	1 31	0 38	15 54	17 4	16 38	11 24	9 33	6 6
M18	23 26	7 54	1 58	20 29	1 6	16 33	1 49	23 18	1 7	20 0	0 39	15 0	2 20	22 46	0 28	1 30	1 31	0 38	15 54	17 3	16 39	11 27	9 32	6 6
T 19	23 28	2 26	2 55	20 50	0 58	16 53	1 48	23 11	1 7	19 57	0 39	15 0	2 20	22 47	0 28	1 31	1 31	0 37	15 54	17 3	16 40	11 30	9 32	6 6
W20	23 29	3s 2	3 44	21 11	0 50	17 13	1 46	23 5	1 7	19 54	0 39	14 59	2 20	22 47	0 28	1 31	1 31	0 37	15 54	17 3	16 41	11 33	9 31	6 5
T 21	23 29	8 21	4 23	21 30	0 42	17 32	1 45	22 58	1 7	19 51	0 39	14 59	2 20	22 47	0 28	1 31	1 31	0 37	15 53	17 3	16 41	11 36	9 31	6 5
F 22	23 29	13 21	4 51	21 49	0 34	17 51	1 43	22 50	1 7	19 48	0 39	14 58	2 19	22 48	0 28	1 31	1 31	0 37	15 53	17 4	16 42	11 39	9 30	6 5
S 23	23 29	17 54	5 6	22 7	0 27	18 10	1 41	22 43	1 7	19 45	0 39	14 57	2 19	22 48	0 28	1 31	1 31	0 37	15 53	17 5	16 43	11 42	9 29	6 4
S 24	23 28	21 47	5 9	22 25	0 19	18 28	1 39	22 35	1 7	19 42	0 39	14 57	2 19	22 48	0 28	1 32	1 32	0 37	15 53	17 7	16 44	11 45	9 29	6 4
M25	23 27	24 47	4 57	22 41	0 11	18 45	1 37	22 27	1 7	19 39	0 39	14 56	2 19	22 49	0 28	1 32	1 32	0 37	15 52	17 9	16 45	11 48	9 28	6 4
T 26	23 25	26 40	4 31	22 57	0 4	19 2	1 35	22 18	1 8	19 35	0 39	14 56	2 18	22 49	0 28	1 32	1 32	0 37	15 52	17 11	16 46	11 51	9 27	6 3
W27	23 22	27 12	3 51	23 11	0s 3	19 18	1 33	22 9	1 8	19 32	0 39	14 55	2 18	22 49	0 28	1 32	1 32	0 37	15 52	17 13	16 47	11 54	9 26	6 3
T 28	23 20	26 16	2 58	23 24	0 11	19 34	1 31	22 1	1 8	19 29	0 39	14 55	2 18	22 50	0 28	1 32	1 32	0 37	15 51	17 14	16 48	11 56	9 26	6 3
F 29	23 16	23 52	1 55	23 37	0 18	19 50	1 29	21 51	1 8	19 26	0 39	14 55	2 18	22 50	0 28	1 32	1 32	0 37	15 51	17 15	16 49	11 59	9 25	6 3
S 30	23 13	20 6	0 45	23 48	0 25	20 4	1 27	21 42	1 8	19 22	0 39	14 54	2 17	22 50	0 28	1 32	1 32	0 36	15 51	17 16	16 50	12 2	9 24	6 2
S 31	23s 9	15s14	0n29	23s58	0s32	20s19	1n25	21s32	1s 8	19s19	0s39	14n54	2s17	22n51	0n28	1s32	1n32	0s36	15s50	17s16	16s51	12s 5	9s23	6n 2

Julian Day Number = 2311991.5, Delta T = 68.52 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'27, Lahiri = 18°31'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

JANUARY 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 41 56	10♑37'43	0♓58	27♐40	9♐19	29♑37	6♒43	17°R29	17°R 9	7♎25	8°R42	11♒53	13♒19	19♎49	19♒10	M 1
T 2	6 45 53	11°38'54	14°52	29°11	10°33	0♒24	6°57	17♉27	17♋ 6	7°25	8♉42	11°55	13°16	19°56	19°14	T 2
W 3	6 49 50	12°40'05	28°52	0♑43	11°47	1°11	7°11	17°25	17° 4	7°25	8°41	11°56	13°13	20° 3	19°17	W 3
T 4	6 53 46	13°41'15	12♈59	2°15	13° 1	1°59	7°24	17°23	17° 1	7°26	8°41	11°R57	13°10	20°10	19°21	T 4
F 5	6 57 43	14°42'24	27°10	3°48	14°16	2°46	7°38	17°22	16°58	7°26	8°40	11°56	13° 6	20°16	19°25	F 5
S 6	7 1 39	15°43'33	11♉24	5°21	15°30	3°33	7°52	17°20	16°56	7°26	8°40	11°54	13° 3	20°23	19°28	S 6
S 7	7 5 36	16°44'42	25°38	6°55	16°44	4°20	8° 6	17°19	16°53	7°26	8°40	11°51	13° 0	20°30	19°32	S 7
M 8	7 9 32	17°45'49	9♊48	8°29	17°59	5° 8	8°20	17°18	16°50	7°R26	8°39	11°48	12°57	20°36	19°36	M 8
T 9	7 13 29	18°46'57	23°50	10° 3	19°13	5°55	8°34	17°17	16°48	7°26	8°39	11°44	12°54	20°43	19°40	T 9
W10	7 17 26	19°48'03	7♋40	11°38	20°27	6°43	8°47	17°16	16°45	7°26	8°39	11°41	12°51	20°50	19°44	W10
T 11	7 21 22	20°49'09	21°16	13°14	21°42	7°30	9° 1	17°15	16°43	7°26	8°39	11°39	12°47	20°57	19°48	T 11
F 12	7 25 19	21°50'15	4♌33	14°50	22°56	8°17	9°15	17°14	16°40	7°26	8°38	11°38	12°44	21° 3	19°51	F 12
S 13	7 29 15	22°51'20	17°32	16°26	24°11	9° 5	9°29	17°14	16°37	7°26	8°38	11°D38	12°41	21°10	19°55	S 13
S 14	7 33 12	23°52'24	0♍13	18° 4	25°25	9°52	9°43	17°13	16°35	7°25	8°38	11°39	12°38	21°17	19°59	S 14
M15	7 37 8	24°53'28	12°37	19°41	26°39	10°39	9°58	17°13	16°32	7°25	8°38	11°40	12°35	21°23	20° 3	M15
T 16	7 41 5	25°54'31	24°47	21°19	27°54	11°27	10°12	17°12	16°30	7°25	8°38	11°42	12°32	21°30	20° 7	T 16
W17	7 45 1	26°55'34	6♎46	22°58	29° 8	12°14	10°26	17°12	16°27	7°25	8°37	11°43	12°28	21°37	20°11	W17
T 18	7 48 58	27°56'36	18°39	24°38	0♑23	13° 2	10°40	17°D12	16°25	7°24	8°37	11°44	12°25	21°44	20°15	T 18
F 19	7 52 55	28°57'38	0♏31	26°18	1°37	13°49	10°54	17°12	16°22	7°24	8°37	11°R44	12°22	21°50	20°19	F 19
S 20	7 56 51	29°58'39	12°27	27°58	2°52	14°37	11° 8	17°12	16°20	7°24	8°37	11°44	12°19	21°57	20°23	S 20
S 21	8 0 48	0♒59'40	24°30	29°40	4° 6	15°24	11°23	17°12	16°17	7°23	8°37	11°43	12°16	22° 4	20°28	S 21
M22	8 4 44	2° 0'40	6♐46	1♒22	5°21	16°12	11°37	17°13	16°15	7°23	8°D37	11°41	12°12	22°10	20°32	M22
T 23	8 8 41	3° 1'39	19°18	3° 4	6°36	16°59	11°51	17°13	16°12	7°22	8°37	11°40	12° 9	22°17	20°36	T 23
W24	8 12 37	4° 2'38	2♑ 9	4°47	7°50	17°46	12° 5	17°14	16°10	7°22	8°37	11°39	12° 6	22°24	20°40	W24
T 25	8 16 34	5° 3'36	15°19	6°31	9° 5	18°34	12°20	17°15	16° 7	7°21	8°37	11°38	12° 3	22°31	20°44	T 25
F 26	8 20 30	6° 4'33	28°49	8°16	10°19	19°21	12°34	17°15	16° 5	7°21	8°37	11°38	12° 0	22°37	20°48	F 26
S 27	8 24 27	7° 5'29	12♒38	10° 1	11°34	20° 9	12°48	17°16	16° 2	7°20	8°37	11°D38	11°57	22°44	20°53	S 27
S 28	8 28 24	8° 6'23	26°41	11°47	12°48	20°56	13° 3	17°17	16° 0	7°19	8°38	11°38	11°53	22°51	20°57	S 28
M29	8 32 20	9° 7'16	10♓55	13°33	14° 3	21°44	13°17	17°19	15°58	7°19	8°38	11°38	11°50	22°58	21° 1	M29
T 30	8 36 17	10° 8'08	25°15	15°20	15°18	22°31	13°31	17°20	15°55	7°18	8°38	11°38	11°47	23° 4	21° 5	T 30
W31	8 40 13	11♒ 8'59	9♈38	17♒ 7	16♑32	23♒19	13♒46	17♉21	15♋53	7♎17	8♉38	11♒38	11♒44	23♎11	21♒ 9	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 4	9s33	1n43	24s 6	0s38	20s32	1n22	21s22	1s 7	19s16	0s39	14n54	2s17	22n51	0n28	1s32	1n32	0s36	15s50	17s16	16s51	12s 8	9s22	6n 2
T 2	22 59	3 21	2 51	24 14	0 45	20 46	1 20	21 12	1 7	19 12	0 39	14 53	2 16	22 51	0 28	1 32	1 32	0 36	15 50	17 15	16 52	12 11	9 22	6 1
W 3	22 53	3n 3	3 49	24 20	0 51	20 58	1 18	21 2	1 7	19 9	0 39	14 53	2 16	22 52	0 28	1 32	1 32	0 36	15 50	17 15	16 53	12 14	9 21	6 1
T 4	22 47	9 21	4 35	24 25	0 57	21 10	1 15	20 51	1 7	19 5	0 39	14 53	2 16	22 52	0 28	1 33	1 32	0 36	15 49	17 15	16 54	12 17	9 20	6 1
F 5	22 41	15 12	5 3	24 29	1 3	21 21	1 13	20 41	1 7	19 2	0 39	14 53	2 16	22 52	0 28	1 33	1 32	0 35	15 49	17 15	16 55	12 20	9 19	6 1
S 6	22 34	20 15	5 13	24 31	1 9	21 32	1 10	20 29	1 7	18 58	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 49	17 15	16 56	12 22	9 18	6 0
S 7	22 26	24 8	5 5	24 33	1 14	21 42	1 8	20 18	1 7	18 55	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 48	17 16	16 57	12 25	9 17	6 0
M 8	22 19	26 32	4 37	24 32	1 19	21 52	1 5	20 7	1 7	18 51	0 39	14 53	2 15	22 53	0 28	1 32	1 32	0 35	15 48	17 17	16 58	12 28	9 16	6 0
T 9	22 10	27 14	3 53	24 31	1 24	22 1	1 2	19 55	1 7	18 48	0 39	14 53	2 15	22 54	0 28	1 32	1 32	0 35	15 48	17 18	16 59	12 31	9 15	6 0
W10	22 2	26 12	2 56	24 28	1 29	22 9	1 0	19 43	1 7	18 44	0 39	14 53	2 14	22 54	0 28	1 32	1 33	0 34	15 47	17 19	17 0	12 34	9 14	5 59
T 11	21 52	23 37	1 50	24 23	1 34	22 17	0 57	19 31	1 7	18 40	0 39	14 53	2 14	22 54	0 28	1 32	1 33	0 34	15 47	17 20	17 0	12 37	9 13	5 59
F 12	21 43	19 48	0 39	24 17	1 38	22 24	0 55	19 18	1 7	18 37	0 39	14 53	2 14	22 55	0 28	1 32	1 33	0 34	15 47	17 20	17 1	12 40	9 12	5 59
S 13	21 33	15 6	0s33	24 10	1 42	22 30	0 52	19 6	1 7	18 33	0 40	14 53	2 13	22 55	0 28	1 32	1 33	0 34	15 46	17 20	17 2	12 43	9 11	5 59
S 14	21 23	9 51	1 41	24 1	1 46	22 36	0 49	18 53	1 7	18 29	0 40	14 53	2 13	22 55	0 28	1 32	1 33	0 33	15 46	17 20	17 3	12 45	9 10	5 59
M15	21 12	4 20	2 43	23 50	1 49	22 40	0 46	18 40	1 6	18 26	0 40	14 53	2 13	22 56	0 28	1 32	1 33	0 33	15 46	17 19	17 4	12 48	9 9	5 58
T 16	21 1	1s14	3 36	23 39	1 52	22 45	0 44	18 27	1 6	18 22	0 40	14 53	2 12	22 56	0 28	1 32	1 33	0 33	15 45	17 19	17 5	12 51	9 8	5 58
W17	20 49	6 40	4 20	23 25	1 55	22 48	0 41	18 13	1 6	18 18	0 40	14 54	2 12	22 56	0 28	1 31	1 33	0 32	15 45	17 19	17 6	12 54	9 7	5 58
T 18	20 37	11 49	4 51	23 10	1 57	22 51	0 38	18 0	1 6	18 14	0 40	14 54	2 12	22 57	0 28	1 31	1 33	0 32	15 45	17 18	17 7	12 57	9 6	5 58
F 19	20 25	16 31	5 10	22 54	2 0	22 53	0 35	17 46	1 6	18 10	0 40	14 54	2 12	22 57	0 28	1 31	1 33	0 32	15 44	17 18	17 8	13 0	9 5	5 58
S 20	20 12	20 37	5 16	22 36	2 1	22 55	0 33	17 32	1 6	18 7	0 40	14 54	2 11	22 57	0 28	1 31	1 33	0 32	15 44	17 18	17 9	13 2	9 4	5 58
S 21	19 59	23 55	5 9	22 16	2 3	22 56	0 30	17 18	1 6	18 3	0 40	14 55	2 11	22 57	0 28	1 31	1 33	0 31	15 43	17 19	17 9	13 5	9 3	5 57
M22	19 45	26 12	4 47	21 55	2 4	22 56	0 27	17 3	1 5	17 59	0 40	14 55	2 11	22 58	0 28	1 30	1 33	0 31	15 43	17 19	17 10	13 8	9 2	5 57
T 23	19 31	27 14	4 11	21 32	2 4	22 55	0 24	16 49	1 5	17 55	0 40	14 56	2 10	22 58	0 28	1 30	1 33	0 31	15 43	17 19	17 11	13 11	9 0	5 57
W24	19 17	26 50	3 22	21 7	2 5	22 54	0 21	16 34	1 5	17 51	0 40	14 56	2 10	22 58	0 28	1 30	1 33	0 30	15 42	17 20	17 12	13 14	8 59	5 57
T 25	19 3	24 56	2 21	20 41	2 4	22 52	0 19	16 19	1 5	17 47	0 40	14 56	2 10	22 59	0 28	1 30	1 33	0 30	15 42	17 20	17 13	13 16	8 58	5 57
F 26	18 48	21 35	1 10	20 14	2 4	22 50	0 16	16 4	1 5	17 43	0 40	14 57	2 10	22 59	0 28	1 29	1 33	0 30	15 42	17 20	17 14	13 19	8 57	5 57
S 27	18 32	16 58	0n 6	19 44	2 2	22 46	0 13	15 49	1 4	17 39	0 40	14 58	2 9	22 59	0 28	1 29	1 34	0 29	15 41	17 20	17 15	13 22	8 56	5 56
S 28	18 17	11 21	1 23	19 13	2 1	22 42	0 10	15 34	1 4	17 35	0 40	14 58	2 9	23 0	0 28	1 29	1 34	0 29	15 41	17 20	17 16	13 25	8 55	5 56
M29	18 1	5 5	2 35	18 41	1 59	22 37	0 7	15 18	1 4	17 31	0 41	14 59	2 9	23 0	0 28	1 29	1 34	0 28	15 41	17 20	17 17	13 28	8 53	5 56
T 30	17 45	1n28	3 39	18 7	1 56	22 32	0 5	15 2	1 4	17 27	0 41	14 59	2 8	23 0	0 28	1 28	1 34	0 28	15 40	17 20	17 17	13 30	8 52	5 56
W31	17s28	7n57	4n29	17s31	1s53	22s26	0n 2	14s47	1s 4	17s23	0s41	15n 0	2s 8	23n 0	0n28	1s28	1n34	0s28	15s40	17s20	17s18	13s33	8s51	5n56

Julian Day Number = 2312022.5, Delta T = 68.44 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'32, Lahiri = 18°31'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

FEBRUARY 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 44 10	12♒ 9'48	23♈58	18♒55	17♉47	24♒ 6	14♒ 0	17♉23	15°R51	7°R17	8♉38	11°R38	11♒41	23♎18	21♒14	T 1
F 2	8 48 6	13°10'36	8♉13	20°43	19° 1	24°54	14°14	17°24	15♋49	7♎16	8°38	11°D38	11°38	23°24	21°18	F 2
S 3	8 52 3	14°11'21	22°20	22°32	20°16	25°41	14°29	17°26	15°46	7°15	8°39	11♒38	11°34	23°31	21°22	S 3
S 4	8 55 59	15°12'06	6♊17	24°20	21°31	26°29	14°43	17°28	15°44	7°14	8°39	11°38	11°31	23°38	21°26	S 4
M 5	8 59 56	16°12'49	20° 3	26° 9	22°45	27°16	14°57	17°30	15°42	7°13	8°39	11°39	11°28	23°45	21°31	M 5
T 6	9 3 53	17°13'30	3♋37	27°57	24° 0	28° 3	15°12	17°32	15°40	7°12	8°40	11°39	11°25	23°51	21°35	T 6
W 7	9 7 49	18°14'09	16°59	29°44	25°14	28°51	15°26	17°34	15°38	7°11	8°40	11°40	11°22	23°58	21°39	W 7
T 8	9 11 46	19°14'47	0♌ 8	1♓31	26°29	29°38	15°41	17°36	15°36	7°10	8°40	11°40	11°18	24° 5	21°44	T 8
F 9	9 15 42	20°15'24	13° 4	3°17	27°44	0♓25	15°55	17°39	15°34	7° 9	8°41	11°R41	11°15	24°11	21°48	F 9
S 10	9 19 39	21°15'58	25°46	5° 2	28°58	1°13	16° 9	17°41	15°32	7° 8	8°41	11°40	11°12	24°18	21°52	S 10
S 11	9 23 35	22°16'32	8♍16	6°45	0♒13	2° 0	16°24	17°44	15°30	7° 7	8°41	11°39	11° 9	24°25	21°56	S 11
M12	9 27 32	23°17'03	20°33	8°25	1°27	2°47	16°38	17°46	15°28	7° 6	8°42	11°38	11° 6	24°32	22° 1	M12
T 13	9 31 28	24°17'34	2♎40	10° 3	2°42	3°35	16°52	17°49	15°26	7° 5	8°42	11°36	11° 3	24°38	22° 5	T 13
W14	9 35 25	25°18'03	14°39	11°38	3°57	4°22	17° 6	17°52	15°24	7° 4	8°43	11°34	10°59	24°45	22° 9	W14
T 15	9 39 22	26°18'30	26°33	13° 9	5°11	5° 9	17°21	17°55	15°22	7° 3	8°43	11°32	10°56	24°52	22°14	T 15
F 16	9 43 18	27°18'56	8♏25	14°36	6°26	5°57	17°35	17°58	15°21	7° 2	8°44	11°30	10°53	24°58	22°18	F 16
S 17	9 47 15	28°19'21	20°19	15°57	7°40	6°44	17°49	18° 1	15°19	7° 1	8°44	11°29	10°50	25° 5	22°22	S 17
S 18	9 51 11	29°19'44	2♐21	17°13	8°55	7°31	18° 3	18° 5	15°17	6°59	8°45	11°D29	10°47	25°12	22°26	S 18
M19	9 55 8	0♓20'06	14°34	18°23	10°10	8°18	18°18	18° 8	15°16	6°58	8°46	11°30	10°44	25°19	22°31	M19
T 20	9 59 4	1°20'27	27° 4	19°25	11°24	9° 6	18°32	18°12	15°14	6°57	8°46	11°31	10°40	25°25	22°35	T 20
W21	10 3 1	2°20'46	9♉54	20°20	12°39	9°53	18°46	18°15	15°12	6°56	8°47	11°33	10°37	25°32	22°39	W21
T 22	10 6 57	3°21'04	23° 8	21° 7	13°53	10°40	19° 0	18°19	15°11	6°54	8°47	11°34	10°34	25°39	22°43	T 22
F 23	10 10 54	4°21'20	6♒46	21°46	15° 8	11°27	19°14	18°23	15° 9	6°53	8°48	11°R35	10°31	25°45	22°48	F 23
S 24	10 14 51	5°21'34	20°50	22°15	16°23	12°14	19°29	18°27	15° 8	6°52	8°49	11°35	10°28	25°52	22°52	S 24
S 25	10 18 47	6°21'46	5♓14	22°36	17°37	13° 1	19°43	18°31	15° 7	6°50	8°49	11°33	10°24	25°59	22°56	S 25
M26	10 22 44	7°21'57	19°55	22°46	18°52	13°48	19°57	18°35	15° 5	6°49	8°50	11°31	10°21	26° 6	23° 0	M26
T 27	10 26 40	8°22'05	4♈45	22°R48	20° 6	14°35	20°11	18°39	15° 4	6°48	8°51	11°27	10°18	26°12	23° 4	T 27
W28	10 30 37	9♓22'12	19♈35	22♓40	21♒21	15♓22	20♒25	18♉43	15♋ 3	6♎46	8♉52	11♒23	10♒15	26♎19	23♒ 8	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s11	14n 0	5n 2	16s54	1s49	22s19	0s 1	14s31	1s 3	17s19	0s41	15n 1	2s 8	23n 1	0n28	1s27	1n34	0s27	15s40	17s20	17s19	13s36	8s50	5n56
F 2	16 54	19 16	5 17	16 16	1 44	22 12	0 3	14 15	1 3	17 15	0 41	15 1	2 7	23 1	0 28	1 27	1 34	0 27	15 39	17 20	17 20	13 39	8 48	5 56
S 3	16 36	23 24	5 12	15 36	1 39	22 4	0 6	13 58	1 3	17 11	0 41	15 2	2 7	23 1	0 28	1 27	1 34	0 26	15 39	17 20	17 21	13 42	8 47	5 56
S 4	16 19	26 8	4 48	14 55	1 34	21 55	0 9	13 42	1 3	17 6	0 41	15 3	2 7	23 1	0 28	1 26	1 34	0 26	15 39	17 20	17 22	13 44	8 46	5 56
M 5	16 1	27 15	4 9	14 12	1 27	21 45	0 12	13 25	1 2	17 2	0 41	15 4	2 7	23 2	0 28	1 26	1 34	0 26	15 38	17 20	17 23	13 47	8 45	5 56
T 6	15 42	26 42	3 16	13 28	1 20	21 35	0 14	13 9	1 2	16 58	0 41	15 5	2 6	23 2	0 28	1 26	1 34	0 25	15 38	17 20	17 24	13 50	8 43	5 56
W 7	15 24	24 36	2 13	12 43	1 13	21 25	0 17	12 52	1 2	16 54	0 41	15 6	2 6	23 2	0 28	1 25	1 34	0 25	15 38	17 19	17 24	13 53	8 42	5 55
T 8	15 5	21 12	1 4	11 57	1 4	21 13	0 19	12 35	1 1	16 50	0 41	15 6	2 6	23 2	0 28	1 25	1 34	0 24	15 37	17 19	17 25	13 55	8 41	5 55
F 9	14 46	16 49	0s 8	11 11	0 55	21 1	0 22	12 18	1 1	16 46	0 41	15 7	2 5	23 3	0 28	1 24	1 34	0 24	15 37	17 19	17 26	13 58	8 40	5 55
S 10	14 27	11 45	1 17	10 23	0 45	20 48	0 24	12 1	1 1	16 41	0 41	15 8	2 5	23 3	0 28	1 24	1 34	0 24	15 37	17 19	17 27	14 1	8 38	5 55
S 11	14 7	6 18	2 22	9 36	0 35	20 35	0 27	11 44	1 1	16 37	0 42	15 9	2 5	23 3	0 28	1 23	1 34	0 23	15 36	17 20	17 28	14 4	8 37	5 55
M12	13 47	0 42	3 19	8 48	0 24	20 21	0 29	11 26	1 0	16 33	0 42	15 10	2 5	23 3	0 28	1 23	1 34	0 23	15 36	17 20	17 29	14 6	8 36	5 55
T 13	13 27	4s49	4 6	8 0	0 12	20 7	0 32	11 9	1 0	16 29	0 42	15 11	2 4	23 3	0 28	1 23	1 34	0 22	15 36	17 20	17 30	14 9	8 34	5 55
W14	13 7	10 7	4 42	7 12	0n 1	19 52	0 34	10 51	1 0	16 24	0 42	15 13	2 4	23 4	0 28	1 22	1 34	0 22	15 35	17 21	17 31	14 12	8 33	5 55
T 15	12 46	15 0	5 5	6 25	0 14	19 36	0 37	10 34	0 59	16 20	0 42	15 14	2 4	23 4	0 28	1 22	1 34	0 21	15 35	17 22	17 31	14 15	8 32	5 55
F 16	12 26	19 18	5 15	5 39	0 27	19 20	0 39	10 16	0 59	16 16	0 42	15 15	2 3	23 4	0 28	1 21	1 34	0 21	15 35	17 22	17 32	14 17	8 30	5 55
S 17	12 5	22 52	5 12	4 55	0 41	19 3	0 41	9 58	0 59	16 12	0 42	15 16	2 3	23 4	0 28	1 21	1 35	0 20	15 34	17 22	17 33	14 20	8 29	5 55
S 18	11 44	25 30	4 55	4 12	0 56	18 46	0 43	9 40	0 58	16 7	0 42	15 17	2 3	23 4	0 28	1 20	1 35	0 20	15 34	17 22	17 34	14 23	8 28	5 55
M19	11 23	26 59	4 25	3 31	1 11	18 28	0 46	9 22	0 58	16 3	0 42	15 18	2 3	23 5	0 28	1 19	1 35	0 19	15 34	17 22	17 35	14 25	8 26	5 55
T 20	11 1	27 9	3 41	2 53	1 26	18 10	0 48	9 4	0 58	15 59	0 42	15 19	2 2	23 5	0 28	1 19	1 35	0 19	15 33	17 22	17 36	14 28	8 25	5 55
W21	10 40	25 52	2 46	2 18	1 40	17 51	0 50	8 46	0 57	15 54	0 43	15 21	2 2	23 5	0 28	1 18	1 35	0 18	15 33	17 21	17 37	14 31	8 24	5 55
T 22	10 18	23 9	1 40	1 46	1 55	17 31	0 52	8 28	0 57	15 50	0 43	15 22	2 2	23 5	0 28	1 18	1 35	0 18	15 33	17 21	17 38	14 33	8 22	5 55
F 23	9 56	19 3	0 26	1 17	2 10	17 11	0 54	8 9	0 57	15 46	0 43	15 23	2 2	23 5	0 28	1 17	1 35	0 17	15 32	17 21	17 38	14 36	8 21	5 55
S 24	9 34	13 47	0n51	0 53	2 24	16 51	0 56	7 51	0 56	15 41	0 43	15 25	2 1	23 5	0 28	1 17	1 35	0 17	15 32	17 21	17 39	14 39	8 19	5 55
S 25	9 12	7 39	2 6	0 32	2 37	16 30	0 58	7 33	0 56	15 37	0 43	15 26	2 1	23 6	0 28	1 16	1 35	0 16	15 32	17 21	17 40	14 42	8 18	5 55
M26	8 49	1 1	3 15	0 16	2 50	16 9	1 0	7 14	0 55	15 33	0 43	15 27	2 1	23 6	0 28	1 16	1 35	0 16	15 31	17 22	17 41	14 44	8 17	5 55
T 27	8 27	5n44	4 11	0 5	3 2	15 47	1 1	6 56	0 55	15 28	0 43	15 29	2 1	23 6	0 28	1 15	1 35	0 15	15 31	17 23	17 42	14 47	8 15	5 55
W28	8s 4	12n 9	4n51	0n 2	3n12	15s25	1s 3	6s37	0s55	15s24	0s43	15n30	2s 0	23n 6	0n28	1s14	1n35	0s15	15s31	17s24	17s43	14s50	8s14	5n55

Julian Day Number = 2312053.5, Delta T = 68.36 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'36, Lahiri = 18°31'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

MARCH 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 34 33	10♓22'16	4♉19	22°R23	22♒35	16♓ 9	20♒39	18♉47	15°R 2	6°R45	8♉52	11°R19	10♒12	26♎26	23♒13	T 1
F 2	10 38 30	11°22'19	18°50	21♓58	23°50	16°56	20°53	18°52	15♋ 1	6♎43	8°53	11♒16	10° 9	26°32	23°17	F 2
S 3	10 42 26	12°22'19	3♊ 4	21°25	25° 5	17°43	21° 6	18°56	14°59	6°42	8°54	11°14	10° 5	26°39	23°21	S 3
S 4	10 46 23	13°22'17	16°58	20°45	26°19	18°30	21°20	19° 1	14°58	6°40	8°55	11°D14	10° 2	26°46	23°25	S 4
M 5	10 50 20	14°22'13	0♋33	19°59	27°34	19°17	21°34	19° 6	14°57	6°39	8°56	11°15	9°59	26°53	23°29	M 5
T 6	10 54 16	15°22'07	13°50	19° 8	28°48	20° 4	21°48	19°10	14°57	6°37	8°57	11°17	9°56	26°59	23°33	T 6
W 7	10 58 13	16°21'58	26°51	18°14	0♓ 3	20°51	22° 2	19°15	14°56	6°36	8°57	11°18	9°53	27° 6	23°37	W 7
T 8	11 2 9	17°21'47	9♌38	17°17	1°17	21°37	22°15	19°20	14°55	6°34	8°58	11°R19	9°50	27°13	23°41	T 8
F 9	11 6 6	18°21'34	22°13	16°19	2°32	22°24	22°29	19°25	14°54	6°33	8°59	11°18	9°46	27°20	23°45	F 9
S 10	11 10 2	19°21'19	4♍37	15°22	3°46	23°11	22°43	19°30	14°53	6°31	9° 0	11°16	9°43	27°26	23°49	S 10
S 11	11 13 59	20°21'02	16°53	14°26	5° 0	23°57	22°56	19°35	14°53	6°30	9° 1	11°12	9°40	27°33	23°53	S 11
M12	11 17 55	21°20'42	29° 0	13°32	6°15	24°44	23°10	19°41	14°52	6°28	9° 2	11° 5	9°37	27°40	23°57	M12
T 13	11 21 52	22°20'21	11♎ 1	12°42	7°29	25°31	23°23	19°46	14°51	6°27	9° 3	10°58	9°34	27°46	24° 1	T 13
W14	11 25 48	23°19'58	22°57	11°56	8°44	26°17	23°37	19°51	14°51	6°25	9° 4	10°50	9°30	27°53	24° 5	W14
T 15	11 29 45	24°19'32	4♏50	11°16	9°58	27° 4	23°50	19°57	14°50	6°23	9° 5	10°42	9°27	28° 0	24° 8	T 15
F 16	11 33 42	25°19'05	16°42	10°40	11°13	27°50	24° 3	20° 2	14°50	6°22	9° 6	10°34	9°24	28° 7	24°12	F 16
S 17	11 37 38	26°18'37	28°36	10°11	12°27	28°37	24°17	20° 8	14°50	6°20	9° 7	10°29	9°21	28°13	24°16	S 17
S 18	11 41 35	27°18'06	10♐36	9°47	13°42	29°23	24°30	20°14	14°49	6°18	9° 8	10°25	9°18	28°20	24°20	S 18
M19	11 45 31	28°17'34	22°47	9°30	14°56	0♈10	24°43	20°19	14°49	6°17	9° 9	10°23	9°15	28°27	24°24	M19
T 20	11 49 28	29°16'59	5♑12	9°18	16°10	0°56	24°56	20°25	14°49	6°15	9°10	10°D23	9°11	28°33	24°27	T 20
W21	11 53 24	0♈16'23	17°57	9°D13	17°25	1°42	25° 9	20°31	14°49	6°14	9°11	10°24	9° 8	28°40	24°31	W21
T 22	11 57 21	1°15'46	1♒ 6	9°13	18°39	2°29	25°22	20°37	14°49	6°12	9°12	10°25	9° 5	28°47	24°34	T 22
F 23	12 1 17	2°15'06	14°42	9°19	19°54	3°15	25°35	20°43	14°D49	6°10	9°14	10°R26	9° 2	28°54	24°38	F 23
S 24	12 5 14	3°14'25	28°46	9°30	21° 8	4° 1	25°48	20°49	14°49	6° 9	9°15	10°24	8°59	29° 0	24°42	S 24
S 25	12 9 11	4°13'41	13♓18	9°46	22°22	4°47	26° 1	20°55	14°49	6° 7	9°16	10°20	8°55	29° 7	24°45	S 25
M26	12 13 7	5°12'56	28°12	10° 8	23°37	5°33	26°14	21° 1	14°49	6° 5	9°17	10°14	8°52	29°14	24°49	M26
T 27	12 17 4	6°12'08	13♈20	10°34	24°51	6°19	26°26	21° 8	14°49	6° 4	9°18	10° 7	8°49	29°20	24°52	T 27
W28	12 21 0	7°11'19	28°34	11° 5	26° 5	7° 5	26°39	21°14	14°49	6° 2	9°19	9°58	8°46	29°27	24°56	W28
T 29	12 24 57	8°10'27	13♉40	11°39	27°20	7°51	26°51	21°20	14°50	6° 0	9°20	9°49	8°43	29°34	24°59	T 29
F 30	12 28 53	9° 9'33	28°31	12°18	28°34	8°37	27° 4	21°27	14°50	5°59	9°22	9°42	8°40	29°41	25° 2	F 30
S 31	12 32 50	10♈ 8'37	13♊ 0	13♓ 1	29♓48	9♈23	27♒16	21♉33	14♋50	5♎57	9♉23	9♒37	8♒36	29♎47	25♒ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s42	17n51	5n10	0n 3	3n21	15s 2	1s 5	6s18	0s54	15s20	0s43	15n32	2s 0	23n 6	0n28	1s14	1n35	0s14	15s31	17s25	17s44	14s52	8s13	5n55
F 2	7 19	22 25	5 10	0 0	3 29	14 39	1 7	6 0	0 54	15 15	0 44	15 33	2 0	23 6	0 28	1 13	1 35	0 14	15 30	17 26	17 44	14 55	8 11	5 56
S 3	6 56	25 34	4 51	0s 8	3 34	14 16	1 8	5 41	0 53	15 11	0 44	15 34	2 0	23 6	0 28	1 13	1 35	0 13	15 30	17 26	17 45	14 58	8 10	5 56
S 4	6 33	27 4	4 14	0 20	3 38	13 52	1 10	5 22	0 53	15 7	0 44	15 36	1 59	23 6	0 28	1 12	1 35	0 13	15 30	17 27	17 46	15 0	8 8	5 56
M 5	6 10	26 54	3 24	0 36	3 40	13 28	1 11	5 3	0 52	15 2	0 44	15 37	1 59	23 6	0 28	1 11	1 35	0 12	15 29	17 26	17 47	15 3	8 7	5 56
T 6	5 47	25 10	2 24	0 56	3 40	13 3	1 13	4 44	0 52	14 58	0 44	15 39	1 59	23 7	0 28	1 11	1 35	0 12	15 29	17 26	17 48	15 6	8 6	5 56
W 7	5 23	22 6	1 18	1 19	3 38	12 38	1 14	4 26	0 52	14 54	0 44	15 40	1 59	23 7	0 28	1 10	1 35	0 11	15 29	17 25	17 49	15 8	8 4	5 56
T 8	5 0	18 1	0 9	1 45	3 34	12 13	1 15	4 7	0 51	14 49	0 44	15 42	1 58	23 7	0 28	1 10	1 35	0 11	15 29	17 25	17 50	15 11	8 3	5 56
F 9	4 37	13 12	0s59	2 13	3 28	11 47	1 16	3 48	0 51	14 45	0 44	15 44	1 58	23 7	0 28	1 9	1 35	0 10	15 28	17 25	17 50	15 13	8 1	5 56
S 10	4 13	7 55	2 3	2 43	3 20	11 21	1 18	3 29	0 50	14 41	0 45	15 45	1 58	23 7	0 28	1 8	1 35	0 10	15 28	17 26	17 51	15 16	8 0	5 56
S 11	3 50	2 25	3 1	3 13	3 10	10 55	1 19	3 10	0 50	14 36	0 45	15 47	1 58	23 7	0 28	1 8	1 35	0 9	15 28	17 27	17 52	15 19	7 59	5 56
M12	3 26	3s 7	3 50	3 43	2 59	10 28	1 20	2 51	0 49	14 32	0 45	15 48	1 57	23 7	0 28	1 7	1 35	0 9	15 28	17 29	17 53	15 21	7 57	5 56
T 13	3 3	8 28	4 28	4 14	2 47	10 2	1 21	2 32	0 49	14 28	0 45	15 50	1 57	23 7	0 28	1 6	1 35	0 8	15 27	17 31	17 54	15 24	7 56	5 57
W14	2 39	13 29	4 53	4 43	2 34	9 35	1 22	2 13	0 48	14 23	0 45	15 52	1 57	23 7	0 28	1 6	1 35	0 8	15 27	17 33	17 55	15 27	7 55	5 57
T 15	2 16	17 58	5 6	5 12	2 20	9 7	1 23	1 54	0 48	14 19	0 45	15 53	1 57	23 7	0 28	1 5	1 35	0 7	15 27	17 35	17 55	15 29	7 53	5 57
F 16	1 52	21 45	5 6	5 39	2 6	8 40	1 23	1 35	0 47	14 15	0 45	15 55	1 56	23 7	0 28	1 4	1 35	0 6	15 27	17 37	17 56	15 32	7 52	5 57
S 17	1 28	24 39	4 53	6 4	1 51	8 12	1 24	1 16	0 47	14 10	0 45	15 57	1 56	23 7	0 28	1 4	1 35	0 6	15 26	17 39	17 57	15 34	7 50	5 57
S 18	1 5	26 29	4 27	6 27	1 35	7 44	1 25	0 57	0 47	14 6	0 46	15 59	1 56	23 7	0 27	1 3	1 35	0 5	15 26	17 40	17 58	15 37	7 49	5 57
M19	0 41	27 5	3 48	6 47	1 20	7 16	1 25	0 38	0 46	14 2	0 46	16 0	1 56	23 7	0 27	1 2	1 35	0 5	15 26	17 40	17 59	15 40	7 48	5 57
T 20	0 17	26 21	2 58	7 6	1 5	6 47	1 26	0 19	0 46	13 57	0 46	16 2	1 56	23 7	0 27	1 2	1 35	0 4	15 26	17 40	18 0	15 42	7 46	5 58
W21	0n 7	24 14	1 58	7 22	0 50	6 19	1 26	0 1	0 45	13 53	0 46	16 4	1 55	23 7	0 27	1 1	1 35	0 4	15 25	17 40	18 1	15 45	7 45	5 58
T 22	0 30	20 46	0 50	7 35	0 35	5 50	1 27	0n18	0 45	13 49	0 46	16 6	1 55	23 7	0 27	1 0	1 35	0 3	15 25	17 40	18 1	15 47	7 44	5 58
F 23	0 54	16 6	0n23	7 46	0 21	5 21	1 27	0 37	0 44	13 45	0 46	16 7	1 55	23 7	0 27	1 0	1 35	0 3	15 25	17 40	18 2	15 50	7 42	5 58
S 24	1 17	10 25	1 37	7 55	0 7	4 52	1 27	0 56	0 43	13 41	0 46	16 9	1 55	23 7	0 27	0 59	1 35	0 2	15 25	17 40	18 3	15 53	7 41	5 58
S 25	1 41	4 1	2 47	8 2	0s 7	4 22	1 28	1 15	0 43	13 36	0 47	16 11	1 55	23 7	0 27	0 58	1 35	0 2	15 25	17 41	18 4	15 55	7 40	5 58
M26	2 5	2n45	3 47	8 5	0 20	3 53	1 28	1 34	0 42	13 32	0 47	16 13	1 54	23 7	0 27	0 58	1 35	0 1	15 24	17 43	18 5	15 58	7 38	5 59
T 27	2 28	9 27	4 32	8 7	0 32	3 24	1 28	1 52	0 42	13 28	0 47	16 15	1 54	23 7	0 27	0 57	1 35	0 1	15 24	17 45	18 6	16 0	7 37	5 59
W28	2 52	15 38	4 59	8 7	0 44	2 54	1 28	2 11	0 41	13 24	0 47	16 16	1 54	23 7	0 27	0 56	1 35	0 0	15 24	17 47	18 6	16 3	7 36	5 59
T 29	3 15	20 48	5 4	8 4	0 56	2 24	1 28	2 30	0 41	13 20	0 47	16 18	1 54	23 7	0 27	0 56	1 35	0n 0	15 24	17 50	18 7	16 5	7 34	5 59
F 30	3 38	24 34	4 49	7 59	1 7	1 55	1 28	2 49	0 40	13 16	0 47	16 20	1 54	23 7	0 27	0 55	1 35	0 1	15 24	17 52	18 8	16 8	7 33	5 59
S 31	4n 2	26n37	4n15	7s52	1s17	1s25	1s28	3n 7	0s40	13s11	0s48	16n22	1s53	23n 7	0n27	0s54	1n35	0n 2	15s23	17s53	18s 9	16s10	7s32	6n 0

Julian Day Number = 2312081.5, Delta T = 68.28 sec
Ecliptic obliquity = 23°29'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'40, Lahiri = 18°31'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

APRIL 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 36 46	11♈ 7'39	27♊ 3	13♓47	1♈ 2	10♈ 9	27♒29	21♉40	14♋51	5°R55	9♉24	9°R34	8♒33	29♎54	25♒ 9	S 1
M 2	12 40 43	12° 6'38	10♋39	14°37	2°17	10°55	27°41	21°46	14°51	5♎54	9°25	9°D33	8°30	0♏ 1	25°12	M 2
T 3	12 44 40	13° 5'35	23°52	15°30	3°31	11°41	27°53	21°53	14°52	5°52	9°26	9♒33	8°27	0° 8	25°15	T 3
W 4	12 48 36	14° 4'30	6♌43	16°26	4°45	12°27	28° 5	22° 0	14°52	5°51	9°28	9°R34	8°24	0°14	25°18	W 4
T 5	12 52 33	15° 3'22	19°18	17°24	5°59	13°12	28°17	22° 6	14°53	5°49	9°29	9°33	8°21	0°21	25°22	T 5
F 6	12 56 29	16° 2'12	1♍39	18°26	7°14	13°58	28°29	22°13	14°54	5°47	9°30	9°31	8°17	0°28	25°25	F 6
S 7	13 0 26	17° 0'59	13°50	19°30	8°28	14°43	28°41	22°20	14°55	5°46	9°31	9°26	8°14	0°34	25°28	S 7
S 8	13 4 22	17°59'45	25°53	20°37	9°42	15°29	28°53	22°27	14°55	5°44	9°33	9°19	8°11	0°41	25°31	S 8
M 9	13 8 19	18°58'28	7♎52	21°46	10°56	16°15	29° 4	22°34	14°56	5°42	9°34	9° 8	8° 8	0°48	25°34	M 9
T 10	13 12 15	19°57'09	19°47	22°58	12°10	17° 0	29°16	22°41	14°57	5°41	9°35	8°56	8° 5	0°55	25°36	T 10
W11	13 16 12	20°55'49	1♏40	24°12	13°25	17°45	29°27	22°48	14°58	5°39	9°37	8°43	8° 1	1° 1	25°39	W11
T 12	13 20 9	21°54'26	13°33	25°28	14°39	18°31	29°39	22°55	14°59	5°38	9°38	8°30	7°58	1° 8	25°42	T 12
F 13	13 24 5	22°53'02	25°27	26°46	15°53	19°16	29°50	23° 2	15° 0	5°36	9°39	8°18	7°55	1°15	25°45	F 13
S 14	13 28 2	23°51'36	7♐23	28° 6	17° 7	20° 1	0♓ 1	23° 9	15° 2	5°35	9°41	8° 8	7°52	1°21	25°48	S 14
S 15	13 31 58	24°50'08	19°25	29°28	18°21	20°47	0°12	23°16	15° 3	5°33	9°42	8° 0	7°49	1°28	25°50	S 15
M16	13 35 55	25°48'38	1♑36	0♈52	19°35	21°32	0°24	23°24	15° 4	5°31	9°43	7°55	7°46	1°35	25°53	M16
T 17	13 39 51	26°47'07	14° 0	2°18	20°49	22°17	0°34	23°31	15° 5	5°30	9°45	7°53	7°42	1°42	25°55	T 17
W18	13 43 48	27°45'34	26°41	3°46	22° 3	23° 2	0°45	23°38	15° 7	5°28	9°46	7°D53	7°39	1°48	25°58	W18
T 19	13 47 44	28°43'59	9♒44	5°16	23°17	23°47	0°56	23°45	15° 8	5°27	9°47	7°R53	7°36	1°55	26° 0	T 19
F 20	13 51 41	29°42'23	23°13	6°48	24°31	24°32	1° 7	23°53	15° 9	5°25	9°49	7°52	7°33	2° 2	26° 3	F 20
S 21	13 55 38	0♉40'46	7♓10	8°21	25°45	25°17	1°17	24° 0	15°11	5°24	9°50	7°50	7°30	2° 9	26° 5	S 21
S 22	13 59 34	1°39'06	21°35	9°57	27° 0	26° 2	1°28	24° 8	15°12	5°23	9°51	7°45	7°27	2°15	26° 7	S 22
M23	14 3 31	2°37'25	6♈26	11°34	28°14	26°47	1°38	24°15	15°14	5°21	9°53	7°38	7°23	2°22	26°10	M23
T 24	14 7 27	3°35'42	21°37	13°13	29°28	27°31	1°48	24°22	15°16	5°20	9°54	7°28	7°20	2°29	26°12	T 24
W25	14 11 24	4°33'58	6♉56	14°54	0♉42	28°16	1°58	24°30	15°17	5°18	9°55	7°17	7°17	2°35	26°14	W25
T 26	14 15 20	5°32'12	22°14	16°36	1°56	29° 1	2° 8	24°37	15°19	5°17	9°57	7° 6	7°14	2°42	26°16	T 26
F 27	14 19 17	6°30'24	7♊18	18°21	3°10	29°45	2°18	24°45	15°21	5°16	9°58	6°56	7°11	2°49	26°18	F 27
S 28	14 23 13	7°28'35	21°59	20° 7	4°24	0♉30	2°28	24°53	15°23	5°14	9°59	6°49	7° 7	2°56	26°20	S 28
S 29	14 27 10	8°26'43	6♋13	21°55	5°38	1°14	2°38	25° 0	15°24	5°13	10° 1	6°45	7° 4	3° 2	26°22	S 29
M30	14 31 7	9♉24'49	19♋58	23♈45	6♉52	1♉59	2♓47	25♉ 8	15♋26	5♎12	10♉ 2	6♒42	7♒ 1	3♏ 9	26♒24	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n25	26n54	3n27	7s43	1s26	0s55	1s27	3n26	0s39	13s 7	0s48	16n24	1s53	23n 7	0n27	0s54	1n35	0n 2	15s23	17s54	18s10	16s13	7s31	6n 0
M 2	4 48	25 31	2 28	7 32	1 35	0 25	1 27	3 44	0 39	13 3	0 48	16 26	1 53	23 7	0 27	0 53	1 35	0 3	15 23	17 54	18 11	16 15	7 29	6 0
T 3	5 11	22 44	1 23	7 20	1 44	0n 5	1 27	4 3	0 38	12 59	0 48	16 27	1 53	23 7	0 27	0 52	1 35	0 3	15 23	17 54	18 11	16 18	7 28	6 0
W 4	5 34	18 53	0 15	7 5	1 52	0 35	1 26	4 21	0 38	12 55	0 48	16 29	1 53	23 7	0 27	0 52	1 35	0 4	15 23	17 54	18 12	16 20	7 27	6 1
T 5	5 57	14 15	0s52	6 49	1 59	1 4	1 26	4 39	0 37	12 51	0 48	16 31	1 53	23 6	0 27	0 51	1 35	0 4	15 23	17 54	18 13	16 23	7 26	6 1
F 6	6 19	9 8	1 55	6 31	2 6	1 34	1 25	4 58	0 37	12 47	0 49	16 33	1 52	23 6	0 27	0 51	1 35	0 5	15 22	17 54	18 14	16 26	7 24	6 1
S 7	6 42	3 44	2 51	6 11	2 12	2 4	1 24	5 16	0 36	12 43	0 49	16 35	1 52	23 6	0 27	0 50	1 35	0 5	15 22	17 56	18 15	16 28	7 23	6 1
S 8	7 4	1s43	3 40	5 50	2 17	2 34	1 24	5 34	0 35	12 39	0 49	16 37	1 52	23 6	0 27	0 49	1 35	0 6	15 22	17 58	18 16	16 31	7 22	6 2
M 9	7 27	7 4	4 18	5 27	2 22	3 4	1 23	5 52	0 35	12 35	0 49	16 39	1 52	23 6	0 27	0 49	1 35	0 6	15 22	18 1	18 16	16 33	7 21	6 2
T 10	7 49	12 8	4 44	5 3	2 27	3 34	1 22	6 10	0 34	12 31	0 49	16 41	1 52	23 6	0 27	0 48	1 35	0 7	15 22	18 4	18 17	16 36	7 20	6 2
W11	8 11	16 44	4 58	4 37	2 30	4 3	1 21	6 28	0 34	12 28	0 50	16 43	1 52	23 6	0 27	0 47	1 35	0 7	15 22	18 7	18 18	16 38	7 18	6 2
T 12	8 33	20 42	4 59	4 9	2 34	4 33	1 20	6 46	0 33	12 24	0 50	16 45	1 51	23 6	0 27	0 47	1 35	0 8	15 22	18 11	18 19	16 41	7 17	6 3
F 13	8 55	23 49	4 48	3 41	2 36	5 2	1 19	7 3	0 33	12 20	0 50	16 47	1 51	23 6	0 27	0 46	1 35	0 8	15 21	18 14	18 20	16 43	7 16	6 3
S 14	9 17	25 55	4 23	3 11	2 38	5 32	1 18	7 21	0 32	12 16	0 50	16 48	1 51	23 5	0 27	0 46	1 35	0 9	15 21	18 16	18 20	16 45	7 15	6 3
S 15	9 38	26 50	3 46	2 39	2 40	6 1	1 17	7 39	0 31	12 12	0 50	16 50	1 51	23 5	0 27	0 45	1 35	0 9	15 21	18 18	18 21	16 48	7 14	6 3
M16	10 0	26 28	2 59	2 7	2 41	6 30	1 16	7 56	0 31	12 9	0 50	16 52	1 51	23 5	0 27	0 44	1 35	0 10	15 21	18 20	18 22	16 50	7 13	6 4
T 17	10 21	24 47	2 3	1 33	2 41	6 59	1 15	8 14	0 30	12 5	0 51	16 54	1 51	23 5	0 27	0 44	1 35	0 10	15 21	18 20	18 23	16 53	7 11	6 4
W18	10 42	21 50	0 59	0 58	2 41	7 28	1 14	8 31	0 30	12 1	0 51	16 56	1 51	23 5	0 27	0 43	1 35	0 11	15 21	18 20	18 24	16 55	7 10	6 4
T 19	11 3	17 42	0n10	0 21	2 41	7 57	1 12	8 48	0 29	11 58	0 51	16 58	1 50	23 5	0 27	0 43	1 35	0 11	15 21	18 20	18 25	16 58	7 9	6 4
F 20	11 24	12 33	1 20	0n16	2 39	8 25	1 11	9 5	0 28	11 54	0 51	17 0	1 50	23 4	0 27	0 42	1 35	0 12	15 21	18 20	18 25	17 0	7 8	6 5
S 21	11 44	6 37	2 28	0 54	2 38	8 54	1 10	9 22	0 28	11 50	0 51	17 2	1 50	23 4	0 27	0 41	1 35	0 12	15 21	18 21	18 26	17 3	7 7	6 5
S 22	12 4	0 9	3 29	1 34	2 35	9 22	1 8	9 39	0 27	11 47	0 52	17 4	1 50	23 4	0 27	0 41	1 35	0 12	15 21	18 22	18 27	17 5	7 6	6 5
M23	12 25	6n30	4 17	2 15	2 32	9 50	1 7	9 56	0 27	11 43	0 52	17 6	1 50	23 4	0 27	0 40	1 35	0 13	15 21	18 24	18 28	17 8	7 5	6 6
T 24	12 44	12 54	4 49	2 56	2 29	10 18	1 5	10 13	0 26	11 40	0 52	17 8	1 50	23 4	0 27	0 40	1 35	0 13	15 21	18 27	18 29	17 10	7 4	6 6
W25	13 4	18 35	5 0	3 39	2 25	10 45	1 3	10 29	0 25	11 37	0 52	17 10	1 50	23 3	0 27	0 39	1 35	0 14	15 20	18 29	18 29	17 12	7 3	6 6
T 26	13 24	23 2	4 50	4 22	2 21	11 12	1 2	10 46	0 25	11 33	0 53	17 12	1 50	23 3	0 27	0 39	1 35	0 14	15 20	18 32	18 30	17 15	7 2	6 7
F 27	13 43	25 50	4 20	5 7	2 16	11 39	1 0	11 2	0 24	11 30	0 53	17 14	1 49	23 3	0 27	0 38	1 35	0 15	15 20	18 35	18 31	17 17	7 1	6 7
S 28	14 2	26 47	3 33	5 52	2 10	12 6	0 58	11 18	0 24	11 26	0 53	17 15	1 49	23 3	0 27	0 38	1 35	0 15	15 20	18 36	18 32	17 20	7 0	6 7
S 29	14 21	25 54	2 33	6 38	2 5	12 32	0 56	11 34	0 23	11 23	0 53	17 17	1 49	23 3	0 27	0 37	1 35	0 16	15 20	18 38	18 33	17 22	6 59	6 7
M30	14n40	23n26	1n27	7n25	1s58	12n58	0s55	11n50	0s22	11s20	0s53	17n19	1s49	23n 2	0n27	0s37	1n35	0n16	15s20	18s38	18s33	17s24	6s58	6n 8

Julian Day Number = 2312112.5, Delta T = 68.20 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'44, Lahiri = 18°31'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

MAY 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 3	10♉22'54	3♌14	25♈37	8♉ 5	2♉43	2♓57	25♉15	15♋28	5°R10	10♉ 3	6°R42	6♒58	3♏16	26♒26	T 1
W 2	14 39 0	11°20'56	16° 6	27°30	9°19	3°28	3° 6	25°23	15°30	5♎ 9	10° 5	6♒42	6°55	3°23	26°28	W 2
T 3	14 42 56	12°18'56	28°38	29°26	10°33	4°12	3°15	25°31	15°32	5° 8	10° 6	6°41	6°52	3°29	26°29	T 3
F 4	14 46 53	13°16'55	10♍54	1♉23	11°47	4°56	3°24	25°38	15°34	5° 6	10° 7	6°39	6°48	3°36	26°31	F 4
S 5	14 50 49	14°14'51	22°59	3°22	13° 1	5°40	3°33	25°46	15°37	5° 5	10° 9	6°34	6°45	3°43	26°33	S 5
S 6	14 54 46	15°12'46	4♎56	5°23	14°15	6°25	3°42	25°54	15°39	5° 4	10°10	6°26	6°42	3°49	26°34	S 6
M 7	14 58 42	16°10'39	16°50	7°25	15°29	7° 9	3°50	26° 2	15°41	5° 3	10°12	6°16	6°39	3°56	26°36	M 7
T 8	15 2 39	17° 8'30	28°42	9°29	16°43	7°53	3°59	26° 9	15°43	5° 2	10°13	6° 3	6°36	4° 3	26°37	T 8
W 9	15 6 36	18° 6'20	10♏34	11°34	17°57	8°37	4° 7	26°17	15°46	5° 1	10°14	5°50	6°33	4°10	26°39	W 9
T 10	15 10 32	19° 4'09	22°29	13°41	19°10	9°21	4°16	26°25	15°48	5° 0	10°16	5°36	6°29	4°16	26°40	T 10
F 11	15 14 29	20° 1'56	4♐27	15°49	20°24	10° 5	4°24	26°33	15°50	4°59	10°17	5°24	6°26	4°23	26°41	F 11
S 12	15 18 25	20°59'41	16°30	17°59	21°38	10°48	4°32	26°40	15°53	4°57	10°18	5°14	6°23	4°30	26°42	S 12
S 13	15 22 22	21°57'26	28°39	20° 9	22°52	11°32	4°40	26°48	15°55	4°56	10°20	5° 6	6°20	4°36	26°43	S 13
M14	15 26 18	22°55'09	10♑57	22°20	24° 6	12°16	4°47	26°56	15°58	4°55	10°21	5° 1	6°17	4°43	26°45	M14
T 15	15 30 15	23°52'51	23°27	24°31	25°20	13° 0	4°55	27° 4	16° 0	4°55	10°22	4°59	6°13	4°50	26°46	T 15
W16	15 34 11	24°50'31	6♒11	26°43	26°33	13°43	5° 2	27°12	16° 3	4°54	10°24	4°D58	6°10	4°57	26°47	W16
T 17	15 38 8	25°48'11	19°13	28°54	27°47	14°27	5°10	27°19	16° 5	4°53	10°25	4°R58	6° 7	5° 3	26°47	T 17
F 18	15 42 5	26°45'50	2♓37	1♊ 5	29° 1	15°10	5°17	27°27	16° 8	4°52	10°26	4°58	6° 4	5°10	26°48	F 18
S 19	15 46 1	27°43'27	16°26	3°16	0♊15	15°54	5°24	27°35	16°11	4°51	10°28	4°57	6° 1	5°17	26°49	S 19
S 20	15 49 58	28°41'04	0♈40	5°25	1°29	16°37	5°31	27°43	16°13	4°50	10°29	4°54	5°58	5°24	26°50	S 20
M21	15 53 54	29°38'40	15°18	7°34	2°42	17°20	5°37	27°51	16°16	4°49	10°30	4°48	5°54	5°30	26°50	M21
T 22	15 57 51	0♊36'15	0♉15	9°41	3°56	18° 4	5°44	27°58	16°19	4°48	10°31	4°40	5°51	5°37	26°51	T 22
W23	16 1 47	1°33'49	15°24	11°46	5°10	18°47	5°50	28° 6	16°22	4°48	10°33	4°31	5°48	5°44	26°52	W23
T 24	16 5 44	2°31'22	0♊35	13°50	6°24	19°30	5°56	28°14	16°24	4°47	10°34	4°22	5°45	5°50	26°52	T 24
F 25	16 9 40	3°28'54	15°37	15°51	7°37	20°13	6° 3	28°22	16°27	4°46	10°35	4°14	5°42	5°57	26°52	F 25
S 26	16 13 37	4°26'24	0♋20	17°51	8°51	20°56	6° 8	28°30	16°30	4°46	10°37	4° 7	5°39	6° 4	26°53	S 26
S 27	16 17 34	5°23'54	14°39	19°48	10° 5	21°39	6°14	28°37	16°33	4°45	10°38	4° 4	5°35	6°11	26°53	S 27
M28	16 21 30	6°21'22	28°30	21°43	11°19	22°22	6°20	28°45	16°36	4°44	10°39	4°D 2	5°32	6°17	26°53	M28
T 29	16 25 27	7°18'50	11♌52	23°35	12°32	23° 5	6°25	28°53	16°39	4°44	10°40	4° 2	5°29	6°24	26°53	T 29
W30	16 29 23	8°16'15	24°49	25°25	13°46	23°48	6°30	29° 1	16°42	4°43	10°42	4° 3	5°26	6°31	26°54	W30
T 31	16 33 20	9♊13'40	7♍23	27♊12	15♊ 0	24♉31	6♓35	29♉ 8	16♋45	4♎43	10♉43	4°R 4	5♒23	6♏38	26°R54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n58	19n46	0n18	8n12	1s51	13n24	0s53	12n 6	0s22	11s17	0s54	17n21	1s49	23n 2	0n27	0s36	1n35	0n16	15s20	18s38	18s34	17s27	6s57	6n 8
W 2	15 16	15 15	0s50	9 0	1 44	13 50	0 51	12 22	0 21	11 14	0 54	17 23	1 49	23 2	0 27	0 36	1 35	0 17	15 20	18 38	18 35	17 29	6 56	6 8
T 3	15 34	10 12	1 53	9 48	1 36	14 15	0 49	12 38	0 20	11 10	0 54	17 25	1 49	23 2	0 27	0 35	1 35	0 17	15 20	18 39	18 36	17 32	6 56	6 9
F 4	15 52	4 52	2 50	10 37	1 28	14 40	0 47	12 53	0 20	11 7	0 54	17 27	1 49	23 1	0 27	0 35	1 35	0 18	15 20	18 39	18 37	17 34	6 55	6 9
S 5	16 9	0s33	3 38	11 25	1 19	15 4	0 45	13 8	0 19	11 4	0 55	17 29	1 49	23 1	0 27	0 34	1 35	0 18	15 20	18 40	18 37	17 36	6 54	6 9
S 6	16 26	5 53	4 17	12 15	1 10	15 28	0 43	13 24	0 19	11 1	0 55	17 31	1 49	23 1	0 27	0 34	1 35	0 19	15 20	18 42	18 38	17 39	6 53	6 10
M 7	16 43	10 59	4 43	13 4	1 1	15 52	0 41	13 39	0 18	10 58	0 55	17 33	1 49	23 1	0 27	0 33	1 35	0 19	15 20	18 45	18 39	17 41	6 52	6 10
T 8	16 59	15 40	4 58	13 53	0 51	16 15	0 39	13 54	0 17	10 56	0 55	17 35	1 48	23 0	0 27	0 33	1 35	0 19	15 20	18 48	18 40	17 43	6 51	6 10
W 9	17 16	19 45	4 59	14 41	0 41	16 38	0 37	14 8	0 17	10 53	0 55	17 36	1 48	23 0	0 27	0 33	1 35	0 20	15 20	18 51	18 41	17 46	6 51	6 11
T 10	17 32	23 3	4 47	15 30	0 31	17 0	0 34	14 23	0 16	10 50	0 56	17 38	1 48	23 0	0 27	0 32	1 35	0 20	15 20	18 55	18 41	17 48	6 50	6 11
F 11	17 47	25 23	4 23	16 17	0 20	17 22	0 32	14 38	0 15	10 47	0 56	17 40	1 48	22 59	0 27	0 32	1 35	0 20	15 20	18 58	18 42	17 51	6 49	6 11
S 12	18 3	26 34	3 47	17 4	0 10	17 44	0 30	14 52	0 15	10 45	0 56	17 42	1 48	22 59	0 27	0 31	1 35	0 21	15 20	19 0	18 43	17 53	6 48	6 12
S 13	18 18	26 29	3 0	17 50	0n 1	18 5	0 28	15 6	0 14	10 42	0 56	17 44	1 48	22 59	0 27	0 31	1 35	0 21	15 20	19 2	18 44	17 55	6 48	6 12
M14	18 32	25 6	2 4	18 35	0 11	18 25	0 25	15 20	0 13	10 39	0 57	17 46	1 48	22 58	0 27	0 31	1 35	0 21	15 20	19 3	18 45	17 58	6 47	6 12
T 15	18 47	22 27	1 1	19 18	0 22	18 46	0 23	15 34	0 13	10 37	0 57	17 48	1 48	22 58	0 27	0 30	1 35	0 22	15 20	19 4	18 45	18 0	6 46	6 13
W16	19 1	18 40	0n 6	19 59	0 32	19 5	0 21	15 48	0 12	10 34	0 57	17 49	1 48	22 58	0 27	0 30	1 35	0 22	15 21	19 4	18 46	18 2	6 46	6 13
T 17	19 15	13 54	1 15	20 39	0 42	19 24	0 19	16 1	0 12	10 32	0 57	17 51	1 48	22 58	0 27	0 30	1 35	0 23	15 21	19 4	18 47	18 4	6 45	6 13
F 18	19 28	8 22	2 21	21 16	0 52	19 43	0 16	16 15	0 11	10 29	0 58	17 53	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 4	18 48	18 7	6 45	6 14
S 19	19 42	2 16	3 22	21 52	1 1	20 1	0 14	16 28	0 10	10 27	0 58	17 55	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 4	18 49	18 9	6 44	6 14
S 20	19 55	4n 6	4 11	22 24	1 10	20 19	0 12	16 41	0 10	10 25	0 58	17 57	1 48	22 57	0 27	0 29	1 35	0 23	15 21	19 5	18 49	18 11	6 43	6 15
M21	20 7	10 26	4 46	22 55	1 19	20 36	0 9	16 54	0 9	10 23	0 58	17 58	1 48	22 56	0 27	0 28	1 35	0 24	15 21	19 6	18 50	18 14	6 43	6 15
T 22	20 19	16 18	5 2	23 23	1 27	20 52	0 7	17 7	0 8	10 20	0 59	18 0	1 48	22 56	0 27	0 28	1 34	0 24	15 21	19 8	18 51	18 16	6 42	6 15
W23	20 31	21 14	4 58	23 48	1 34	21 8	0 4	17 19	0 8	10 18	0 59	18 2	1 47	22 55	0 27	0 28	1 34	0 24	15 21	19 10	18 52	18 18	6 42	6 16
T 24	20 43	24 45	4 32	24 11	1 41	21 23	0 2	17 32	0 7	10 16	0 59	18 4	1 47	22 55	0 27	0 28	1 34	0 25	15 21	19 13	18 52	18 21	6 41	6 16
F 25	20 54	26 30	3 48	24 30	1 47	21 38	0n 0	17 44	0 6	10 14	1 0	18 6	1 47	22 55	0 27	0 27	1 34	0 25	15 21	19 15	18 53	18 23	6 41	6 16
S 26	21 4	26 19	2 50	24 47	1 52	21 52	0 3	17 56	0 6	10 12	1 0	18 7	1 47	22 54	0 27	0 27	1 34	0 25	15 21	19 16	18 54	18 25	6 40	6 17
S 27	21 15	24 22	1 42	25 2	1 56	22 6	0 5	18 8	0 5	10 10	1 0	18 9	1 47	22 54	0 27	0 27	1 34	0 25	15 21	19 17	18 55	18 27	6 40	6 17
M28	21 25	20 59	0 30	25 14	2 0	22 18	0 7	18 20	0 4	10 9	1 0	18 11	1 47	22 54	0 27	0 27	1 34	0 26	15 21	19 17	18 56	18 30	6 40	6 17
T 29	21 35	16 36	0s42	25 23	2 3	22 31	0 10	18 31	0 4	10 7	1 1	18 12	1 47	22 53	0 26	0 27	1 34	0 26	15 22	19 17	18 56	18 32	6 39	6 18
W30	21 44	11 34	1 49	25 30	2 5	22 42	0 12	18 43	0 3	10 5	1 1	18 14	1 47	22 53	0 26	0 26	1 34	0 26	15 22	19 17	18 57	18 34	6 39	6 18
T 31	21n53	6n12	2s49	25n35	2n 7	22n53	0n15	18n54	0s 3	10s 4	1s 1	18n16	1s47	22n53	0n26	0s26	1n34	0n26	15s22	19s17	18s58	18s36	6s38	6n18

Julian Day Number = 2312142.5, Delta T = 68.12 sec
Ecliptic obliquity = 23°29'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'48, Lahiri = 18°31'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

JUNE 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 37 16	10♊11'03	19♍41	28♊57	16♊13	25♉14	6♓40	29♉16	16♋48	4°R42	10♉44	4°R 3	5♒19	6♏44	26°R54	F 1
S 2	16 41 13	11° 8'25	1♎45	0♋39	17°27	25°56	6°45	29°24	16°51	4♎42	10°45	4♒ 1	5°16	6°51	26♒54	S 2
S 3	16 45 9	12° 5'46	13°41	2°18	18°41	26°39	6°50	29°32	16°55	4°41	10°46	3°56	5°13	6°58	26°53	S 3
M 4	16 49 6	13° 3'07	25°34	3°55	19°55	27°22	6°54	29°39	16°58	4°41	10°48	3°50	5°10	7° 4	26°53	M 4
T 5	16 53 3	14° 0'26	7♏26	5°29	21° 8	28° 4	6°58	29°47	17° 1	4°41	10°49	3°42	5° 7	7°11	26°53	T 5
W 6	16 56 59	14°57'44	19°20	7° 0	22°22	28°47	7° 2	29°55	17° 4	4°40	10°50	3°33	5° 4	7°18	26°53	W 6
T 7	17 0 56	15°55'02	1♐19	8°28	23°36	29°29	7° 6	0♊ 2	17° 7	4°40	10°51	3°24	5° 0	7°25	26°52	T 7
F 8	17 4 52	16°52'18	13°25	9°54	24°49	0♊11	7°10	0°10	17°11	4°40	10°52	3°16	4°57	7°31	26°52	F 8
S 9	17 8 49	17°49'35	25°38	11°17	26° 3	0°54	7°13	0°17	17°14	4°40	10°53	3° 9	4°54	7°38	26°51	S 9
S 10	17 12 45	18°46'50	7♑59	12°37	27°16	1°36	7°17	0°25	17°17	4°39	10°54	3° 5	4°51	7°45	26°51	S 10
M11	17 16 42	19°44'05	20°31	13°54	28°30	2°18	7°20	0°32	17°21	4°39	10°56	3° 2	4°48	7°51	26°50	M11
T 12	17 20 39	20°41'20	3♒14	15° 8	29°44	3° 0	7°23	0°40	17°24	4°39	10°57	3°D 1	4°45	7°58	26°49	T 12
W13	17 24 35	21°38'34	16°10	16°19	0♋57	3°42	7°26	0°47	17°27	4°39	10°58	3° 2	4°41	8° 5	26°49	W13
T 14	17 28 32	22°35'48	29°22	17°27	2°11	4°25	7°28	0°55	17°31	4°39	10°59	3° 3	4°38	8°12	26°48	T 14
F 15	17 32 28	23°33'02	12♓50	18°32	3°25	5° 7	7°31	1° 2	17°34	4°39	11° 0	3° 4	4°35	8°18	26°47	F 15
S 16	17 36 25	24°30'15	26°36	19°34	4°38	5°48	7°33	1°10	17°38	4°D39	11° 1	3°R 5	4°32	8°25	26°46	S 16
S 17	17 40 21	25°27'29	10♈42	20°32	5°52	6°30	7°35	1°17	17°41	4°39	11° 2	3° 4	4°29	8°32	26°45	S 17
M18	17 44 18	26°24'42	25° 5	21°27	7° 5	7°12	7°37	1°25	17°44	4°39	11° 3	3° 1	4°25	8°39	26°44	M18
T 19	17 48 14	27°21'55	9♉44	22°19	8°19	7°54	7°38	1°32	17°48	4°39	11° 4	2°57	4°22	8°45	26°43	T 19
W20	17 52 11	28°19'09	24°31	23° 7	9°33	8°36	7°40	1°39	17°51	4°39	11° 5	2°53	4°19	8°52	26°42	W20
T 21	17 56 8	29°16'22	9♊21	23°51	10°46	9°17	7°41	1°46	17°55	4°39	11° 6	2°48	4°16	8°59	26°41	T 21
F 22	18 0 4	0♋13'35	24° 5	24°32	12° 0	9°59	7°42	1°54	17°58	4°39	11° 7	2°44	4°13	9° 5	26°40	F 22
S 23	18 4 1	1°10'49	8♋36	25° 9	13°14	10°41	7°43	2° 1	18° 2	4°40	11° 8	2°40	4°10	9°12	26°38	S 23
S 24	18 7 57	2° 8'01	22°48	25°41	14°27	11°22	7°44	2° 8	18° 5	4°40	11° 9	2°39	4° 6	9°19	26°37	S 24
M25	18 11 54	3° 5'14	6♌36	26°10	15°41	12° 4	7°44	2°15	18° 9	4°40	11°10	2°D38	4° 3	9°26	26°35	M25
T 26	18 15 50	4° 2'26	19°59	26°34	16°54	12°45	7°45	2°22	18°13	4°40	11°11	2°39	4° 0	9°32	26°34	T 26
W27	18 19 47	4°59'38	2♍59	26°53	18° 8	13°26	7°R45	2°29	18°16	4°41	11°11	2°41	3°57	9°39	26°32	W27
T 28	18 23 43	5°56'50	15°37	27° 9	19°22	14° 8	7°45	2°36	18°20	4°41	11°12	2°42	3°54	9°46	26°31	T 28
F 29	18 27 40	6°54'01	27°57	27°19	20°35	14°49	7°44	2°43	18°23	4°42	11°13	2°43	3°51	9°53	26°29	F 29
S 30	18 31 37	7♋51'12	10♎ 4	27♋25	21♋49	15♊30	7♓44	2♊50	18♋27	4♎42	11♉14	2°R44	3♒47	9♏59	26♒28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 1	0n44	3s40	25n37	2n 8	23n 3	0n17	19n 5	0s 2	10s 2	1s 1	18n18	1s47	22n52	0n26	0s26	1n34	0n27	15s22	19s17	18s59	18s39	6s38	6n19
S 2	22 10	4s40	4 19	25 37	2 8	23 13	0 19	19 16	0 1	10 0	1 2	18 19	1 47	22 52	0 26	0 26	1 34	0 27	15 22	19 18	18 59	18 41	6 38	6 19
S 3	22 17	9 49	4 48	25 35	2 7	23 22	0 22	19 26	0 1	9 59	1 2	18 21	1 47	22 51	0 26	0 26	1 34	0 27	15 22	19 19	19 0	18 43	6 38	6 19
M 4	22 25	14 36	5 3	25 31	2 5	23 30	0 24	19 37	0n 0	9 58	1 2	18 23	1 47	22 51	0 26	0 26	1 34	0 27	15 22	19 20	19 1	18 45	6 37	6 20
T 5	22 32	18 50	5 6	25 25	2 3	23 38	0 26	19 47	0 1	9 56	1 3	18 24	1 47	22 51	0 26	0 26	1 34	0 28	15 23	19 22	19 2	18 48	6 37	6 20
W 6	22 38	22 19	4 55	25 18	2 0	23 45	0 29	19 57	0 1	9 55	1 3	18 26	1 47	22 50	0 26	0 26	1 34	0 28	15 23	19 24	19 3	18 50	6 37	6 20
T 7	22 45	24 53	4 31	25 9	1 56	23 51	0 31	20 7	0 2	9 54	1 3	18 27	1 47	22 50	0 26	0 25	1 34	0 28	15 23	19 26	19 3	18 52	6 37	6 21
F 8	22 50	26 21	3 55	24 58	1 52	23 56	0 33	20 17	0 3	9 53	1 3	18 29	1 47	22 49	0 26	0 25	1 34	0 28	15 23	19 28	19 4	18 54	6 37	6 21
S 9	22 56	26 33	3 8	24 47	1 46	24 1	0 35	20 26	0 3	9 52	1 4	18 31	1 47	22 49	0 26	0 25	1 34	0 28	15 23	19 30	19 5	18 56	6 36	6 21
S 10	23 1	25 26	2 11	24 33	1 40	24 5	0 38	20 35	0 4	9 51	1 4	18 32	1 47	22 48	0 26	0 25	1 34	0 28	15 23	19 31	19 6	18 59	6 36	6 22
M11	23 6	23 2	1 7	24 19	1 34	24 9	0 40	20 45	0 5	9 50	1 4	18 34	1 47	22 48	0 26	0 25	1 34	0 29	15 23	19 31	19 6	19 1	6 36	6 22
T 12	23 10	19 27	0n 1	24 4	1 27	24 11	0 42	20 53	0 5	9 49	1 5	18 35	1 47	22 48	0 26	0 25	1 34	0 29	15 24	19 31	19 7	19 3	6 36	6 22
W13	23 14	14 54	1 11	23 47	1 19	24 13	0 44	21 2	0 6	9 48	1 5	18 37	1 47	22 47	0 26	0 25	1 34	0 29	15 24	19 31	19 8	19 5	6 36	6 23
T 14	23 17	9 34	2 18	23 30	1 10	24 15	0 46	21 11	0 7	9 48	1 5	18 38	1 47	22 47	0 26	0 25	1 33	0 29	15 24	19 31	19 9	19 7	6 36	6 23
F 15	23 20	3 41	3 19	23 13	1 1	24 15	0 48	21 19	0 7	9 47	1 5	18 40	1 47	22 46	0 26	0 25	1 33	0 29	15 24	19 31	19 9	19 9	6 36	6 23
S 16	23 23	2n28	4 10	22 54	0 51	24 15	0 50	21 27	0 8	9 46	1 6	18 41	1 47	22 46	0 26	0 25	1 33	0 29	15 24	19 31	19 10	19 12	6 36	6 24
S 17	23 25	8 39	4 48	22 35	0 41	24 14	0 52	21 35	0 9	9 46	1 6	18 43	1 47	22 45	0 26	0 25	1 33	0 29	15 25	19 31	19 11	19 14	6 36	6 24
M18	23 26	14 30	5 8	22 16	0 30	24 12	0 54	21 43	0 9	9 46	1 6	18 44	1 47	22 45	0 26	0 25	1 33	0 30	15 25	19 31	19 12	19 16	6 36	6 24
T 19	23 28	19 38	5 9	21 56	0 18	24 10	0 56	21 50	0 10	9 45	1 7	18 46	1 47	22 44	0 26	0 26	1 33	0 30	15 25	19 32	19 12	19 18	6 36	6 25
W20	23 29	23 36	4 49	21 36	0 6	24 7	0 58	21 57	0 11	9 45	1 7	18 47	1 47	22 44	0 26	0 26	1 33	0 30	15 25	19 33	19 13	19 20	6 36	6 25
T 21	23 29	26 1	4 10	21 16	0s 7	24 3	1 0	22 4	0 11	9 45	1 7	18 49	1 47	22 43	0 26	0 26	1 33	0 30	15 25	19 35	19 14	19 22	6 36	6 25
F 22	23 29	26 36	3 15	20 56	0 20	23 59	1 2	22 11	0 12	9 45	1 8	18 50	1 47	22 43	0 26	0 26	1 33	0 30	15 26	19 36	19 15	19 24	6 36	6 26
S 23	23 29	25 20	2 8	20 36	0 34	23 53	1 4	22 18	0 12	9 45	1 8	18 51	1 47	22 43	0 26	0 26	1 33	0 30	15 26	19 36	19 15	19 27	6 37	6 26
S 24	23 28	22 26	0 54	20 16	0 48	23 47	1 6	22 25	0 13	9 45	1 8	18 53	1 47	22 42	0 26	0 26	1 33	0 30	15 26	19 37	19 16	19 29	6 37	6 26
M25	23 27	18 19	0s22	19 57	1 2	23 41	1 7	22 31	0 14	9 45	1 8	18 54	1 47	22 42	0 26	0 26	1 33	0 30	15 26	19 37	19 17	19 31	6 37	6 26
T 26	23 26	13 22	1 34	19 38	1 17	23 33	1 9	22 37	0 14	9 45	1 9	18 55	1 47	22 41	0 26	0 26	1 33	0 30	15 27	19 37	19 18	19 33	6 37	6 27
W27	23 24	7 58	2 39	19 19	1 32	23 25	1 11	22 43	0 15	9 45	1 9	18 57	1 47	22 41	0 26	0 27	1 33	0 30	15 27	19 36	19 18	19 35	6 37	6 27
T 28	23 21	2 24	3 34	19 2	1 47	23 17	1 12	22 48	0 16	9 45	1 9	18 58	1 47	22 40	0 26	0 27	1 33	0 30	15 27	19 36	19 19	19 37	6 38	6 27
F 29	23 19	3s 8	4 18	18 44	2 2	23 7	1 14	22 54	0 16	9 46	1 10	18 59	1 47	22 40	0 26	0 27	1 33	0 30	15 27	19 36	19 20	19 39	6 38	6 28
S 30	23n15	8s26	4s50	18n28	2s18	22n57	1n15	22n59	0n17	9s46	1s10	19n 1	1s48	22n39	0n26	0s27	1n33	0n30	15s27	19s36	19s21	19s41	6s38	6n28

Julian Day Number = 2312173.5, Delta T = 68.04 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'52, Lahiri = 18°31'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

JULY 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 35 33	8♋48'23	22♎ 1	27°R27	23♋ 2	16♊11	7°R43	2♊57	18♋31	4♎43	11♉15	2°R43	3♒44	10♏ 6	26°R26	S 1
M 2	18 39 30	9°45'33	3♏55	27♋23	24°16	16°52	7♓42	3° 4	18°34	4°43	11°16	2♒41	3°41	10°13	26♒24	M 2
T 3	18 43 26	10°42'44	15°48	27°15	25°29	17°33	7°41	3°10	18°38	4°44	11°16	2°39	3°38	10°19	26°22	T 3
W 4	18 47 23	11°39'54	27°45	27° 3	26°43	18°14	7°40	3°17	18°42	4°44	11°17	2°35	3°35	10°26	26°20	W 4
T 5	18 51 19	12°37'05	9♐49	26°45	27°56	18°55	7°38	3°24	18°45	4°45	11°18	2°32	3°31	10°33	26°18	T 5
F 6	18 55 16	13°34'16	22° 2	26°24	29°10	19°36	7°37	3°30	18°49	4°45	11°19	2°29	3°28	10°40	26°17	F 6
S 7	18 59 12	14°31'27	4♑27	25°58	0♌23	20°17	7°35	3°37	18°52	4°46	11°19	2°27	3°25	10°46	26°15	S 7
S 8	19 3 9	15°28'38	17° 4	25°29	1°37	20°58	7°33	3°44	18°56	4°47	11°20	2°26	3°22	10°53	26°12	S 8
M 9	19 7 6	16°25'49	29°55	24°57	2°50	21°38	7°31	3°50	19° 0	4°47	11°21	2°D25	3°19	11° 0	26°10	M 9
T 10	19 11 2	17°23'01	12♒58	24°21	4° 4	22°19	7°28	3°56	19° 3	4°48	11°21	2°25	3°16	11° 6	26° 8	T 10
W11	19 14 59	18°20'13	26°15	23°44	5°17	23° 0	7°26	4° 3	19° 7	4°49	11°22	2°26	3°12	11°13	26° 6	W11
T 12	19 18 55	19°17'26	9♓45	23° 4	6°31	23°40	7°23	4° 9	19°11	4°50	11°23	2°27	3° 9	11°20	26° 4	T 12
F 13	19 22 52	20°14'39	23°28	22°24	7°44	24°21	7°20	4°15	19°14	4°51	11°23	2°28	3° 6	11°27	26° 2	F 13
S 14	19 26 48	21°11'53	7♈23	21°43	8°58	25° 1	7°17	4°22	19°18	4°52	11°24	2°29	3° 3	11°33	25°59	S 14
S 15	19 30 45	22° 9'08	21°28	21° 2	10°11	25°42	7°14	4°28	19°22	4°52	11°24	2°R29	3° 0	11°40	25°57	S 15
M16	19 34 41	23° 6'24	5♉43	20°23	11°25	26°22	7°10	4°34	19°25	4°53	11°25	2°29	2°56	11°47	25°54	M16
T 17	19 38 38	24° 3'41	20° 4	19°45	12°38	27° 2	7° 6	4°40	19°29	4°54	11°25	2°28	2°53	11°54	25°52	T 17
W18	19 42 35	25° 0'59	4♊28	19°10	13°52	27°43	7° 2	4°46	19°33	4°55	11°26	2°28	2°50	12° 0	25°50	W18
T 19	19 46 31	25°58'17	18°51	18°37	15° 5	28°23	6°58	4°52	19°36	4°56	11°26	2°27	2°47	12° 7	25°47	T 19
F 20	19 50 28	26°55'37	3♋ 9	18° 9	16°19	29° 3	6°54	4°58	19°40	4°57	11°27	2°26	2°44	12°14	25°45	F 20
S 21	19 54 24	27°52'57	17°16	17°45	17°32	29°43	6°50	5° 3	19°44	4°59	11°27	2°26	2°41	12°20	25°42	S 21
S 22	19 58 21	28°50'18	1♌ 9	17°25	18°45	0♋23	6°45	5° 9	19°47	5° 0	11°28	2°D26	2°37	12°27	25°39	S 22
M23	20 2 17	29°47'40	14°45	17°11	19°59	1° 3	6°40	5°15	19°51	5° 1	11°28	2°26	2°34	12°34	25°37	M23
T 24	20 6 14	0♌45'02	28° 1	17° 2	21°12	1°43	6°36	5°20	19°55	5° 2	11°29	2°26	2°31	12°41	25°34	T 24
W25	20 10 10	1°42'26	10♍57	16°D59	22°26	2°23	6°31	5°26	19°58	5° 3	11°29	2°26	2°28	12°47	25°31	W25
T 26	20 14 7	2°39'49	23°34	17° 2	23°39	3° 3	6°25	5°31	20° 2	5° 4	11°29	2°R26	2°25	12°54	25°29	T 26
F 27	20 18 4	3°37'14	5♎55	17°12	24°52	3°43	6°20	5°36	20° 5	5° 6	11°30	2°26	2°22	13° 1	25°26	F 27
S 28	20 22 0	4°34'39	18° 3	17°28	26° 6	4°22	6°14	5°42	20° 9	5° 7	11°30	2°26	2°18	13° 8	25°23	S 28
S 29	20 25 57	5°32'04	0♏ 2	17°50	27°19	5° 2	6° 9	5°47	20°12	5° 8	11°30	2°D26	2°15	13°14	25°20	S 29
M30	20 29 53	6°29'31	11°56	18°19	28°32	5°42	6° 3	5°52	20°16	5°10	11°31	2°26	2°12	13°21	25°17	M30
T 31	20 33 50	7♌26'58	23♏50	18♋54	29♌46	6♋21	5♓57	5♊57	20♋20	5♎11	11♉31	2♒26	2♒ 9	13♏28	25♒15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n12	13s22	5s 9	18n13	2s33	22n46	1n16	23n 4	0n18	9s47	1s10	19n 2	1s48	22n39	0n26	0s27	1n33	0n30	15s28	19s36	19s21	19s43	6s39	6n28
M 2	23 8	17 46	5 14	17 59	2 48	22 35	1 18	23 9	0 18	9 47	1 11	19 3	1 48	22 38	0 26	0 28	1 33	0 30	15 28	19 36	19 22	19 45	6 39	6 28
T 3	23 3	21 29	5 6	17 45	3 3	22 23	1 19	23 13	0 19	9 48	1 11	19 4	1 48	22 38	0 26	0 28	1 33	0 30	15 28	19 37	19 23	19 47	6 39	6 29
W 4	22 59	24 19	4 44	17 34	3 18	22 10	1 20	23 18	0 20	9 49	1 11	19 6	1 48	22 37	0 26	0 28	1 33	0 30	15 28	19 37	19 24	19 50	6 40	6 29
T 5	22 53	26 6	4 10	17 23	3 32	21 57	1 22	23 22	0 20	9 50	1 11	19 7	1 48	22 37	0 26	0 28	1 33	0 30	15 29	19 38	19 24	19 52	6 40	6 29
F 6	22 48	26 39	3 24	17 14	3 45	21 43	1 23	23 26	0 21	9 50	1 12	19 8	1 48	22 36	0 26	0 29	1 32	0 30	15 29	19 39	19 25	19 54	6 40	6 29
S 7	22 42	25 53	2 28	17 6	3 58	21 28	1 24	23 30	0 22	9 51	1 12	19 9	1 48	22 36	0 26	0 29	1 32	0 30	15 29	19 39	19 26	19 56	6 41	6 30
S 8	22 35	23 47	1 24	17 0	4 10	21 13	1 25	23 33	0 22	9 52	1 12	19 10	1 48	22 35	0 26	0 29	1 32	0 30	15 29	19 40	19 27	19 58	6 41	6 30
M 9	22 29	20 26	0 14	16 55	4 20	20 57	1 26	23 36	0 23	9 54	1 13	19 12	1 48	22 35	0 26	0 30	1 32	0 30	15 30	19 40	19 27	20 0	6 42	6 30
T 10	22 21	16 2	0n58	16 52	4 30	20 41	1 27	23 40	0 24	9 55	1 13	19 13	1 48	22 34	0 26	0 30	1 32	0 30	15 30	19 40	19 28	20 2	6 42	6 30
W11	22 14	10 47	2 8	16 50	4 38	20 24	1 27	23 42	0 24	9 56	1 13	19 14	1 48	22 34	0 26	0 30	1 32	0 30	15 30	19 40	19 29	20 4	6 43	6 30
T 12	22 6	4 58	3 12	16 50	4 45	20 6	1 28	23 45	0 25	9 57	1 13	19 15	1 48	22 33	0 27	0 31	1 32	0 30	15 31	19 39	19 30	20 6	6 43	6 31
F 13	21 58	1n10	4 6	16 52	4 50	19 48	1 29	23 48	0 26	9 59	1 14	19 16	1 48	22 33	0 27	0 31	1 32	0 30	15 31	19 39	19 30	20 8	6 44	6 31
S 14	21 49	7 19	4 47	16 55	4 53	19 30	1 29	23 50	0 26	10 0	1 14	19 17	1 48	22 32	0 27	0 32	1 32	0 30	15 31	19 39	19 31	20 10	6 45	6 31
S 15	21 40	13 11	5 11	16 59	4 55	19 10	1 30	23 52	0 27	10 2	1 14	19 18	1 48	22 32	0 27	0 32	1 32	0 29	15 31	19 39	19 32	20 12	6 45	6 31
M16	21 30	18 25	5 16	17 5	4 55	18 51	1 31	23 54	0 27	10 3	1 15	19 19	1 49	22 31	0 27	0 32	1 32	0 29	15 32	19 39	19 33	20 14	6 46	6 31
T 17	21 21	22 38	5 2	17 12	4 53	18 30	1 31	23 56	0 28	10 5	1 15	19 20	1 49	22 31	0 27	0 33	1 32	0 29	15 32	19 39	19 33	20 16	6 46	6 32
W18	21 10	25 29	4 28	17 20	4 50	18 10	1 31	23 57	0 29	10 6	1 15	19 21	1 49	22 30	0 27	0 33	1 32	0 29	15 32	19 39	19 34	20 18	6 47	6 32
T 19	21 0	26 39	3 38	17 29	4 45	17 48	1 32	23 58	0 29	10 8	1 15	19 22	1 49	22 30	0 27	0 34	1 32	0 29	15 32	19 39	19 35	20 20	6 48	6 32
F 20	20 49	26 2	2 35	17 40	4 38	17 26	1 32	23 59	0 30	10 10	1 16	19 23	1 49	22 29	0 27	0 34	1 32	0 29	15 33	19 39	19 35	20 22	6 48	6 32
S 21	20 38	23 45	1 23	17 51	4 30	17 4	1 32	24 0	0 31	10 12	1 16	19 24	1 49	22 28	0 27	0 35	1 32	0 29	15 33	19 40	19 36	20 24	6 49	6 32
S 22	20 26	20 4	0 7	18 3	4 21	16 42	1 32	24 1	0 31	10 14	1 16	19 25	1 49	22 28	0 27	0 35	1 32	0 29	15 33	19 40	19 37	20 26	6 50	6 32
M23	20 14	15 22	1s 8	18 15	4 10	16 18	1 32	24 1	0 32	10 16	1 17	19 26	1 49	22 27	0 27	0 36	1 32	0 28	15 34	19 40	19 38	20 28	6 51	6 33
T 24	20 2	10 3	2 17	18 28	3 58	15 55	1 32	24 1	0 33	10 18	1 17	19 27	1 49	22 27	0 27	0 36	1 32	0 28	15 34	19 40	19 38	20 30	6 51	6 33
W25	19 49	4 26	3 18	18 41	3 45	15 31	1 32	24 1	0 33	10 20	1 17	19 28	1 49	22 26	0 27	0 37	1 32	0 28	15 34	19 40	19 39	20 32	6 52	6 33
T 26	19 36	1s13	4 7	18 54	3 32	15 6	1 32	24 1	0 34	10 22	1 17	19 28	1 49	22 26	0 27	0 37	1 32	0 28	15 34	19 40	19 40	20 34	6 53	6 33
F 27	19 23	6 42	4 44	19 7	3 17	14 42	1 31	24 1	0 35	10 24	1 18	19 29	1 50	22 25	0 27	0 38	1 32	0 28	15 35	19 40	19 41	20 35	6 54	6 33
S 28	19 10	11 49	5 7	19 20	3 3	14 16	1 31	24 0	0 35	10 27	1 18	19 30	1 50	22 25	0 27	0 38	1 32	0 28	15 35	19 40	19 41	20 37	6 55	6 33
S 29	18 56	16 26	5 16	19 32	2 47	13 51	1 31	23 59	0 36	10 29	1 18	19 31	1 50	22 24	0 27	0 39	1 32	0 27	15 35	19 40	19 42	20 39	6 55	6 33
M30	18 41	20 24	5 12	19 44	2 31	13 25	1 30	23 58	0 36	10 31	1 18	19 32	1 50	22 24	0 27	0 39	1 31	0 27	15 36	19 40	19 43	20 41	6 56	6 33
T 31	18n27	23s32	4s55	19n55	2s16	12n59	1n30	23n57	0n37	10s34	1s18	19n32	1s50	22n23	0n27	0s40	1n31	0n27	15s36	19s40	19s43	20s43	6s57	6n33

Julian Day Number = 2312203.5, Delta T = 67.96 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°24'56, Lahiri = 18°31'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

AUGUST 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 37 46	8♌24'26	5♐48	19♋35	0♍59	7♋ 1	5°R51	6♊ 2	20♋23	5♎12	11♉31	2♒26	2♒ 6	13♏34	25°R12	W 1
T 2	20 41 43	9°21'55	17°55	20°23	2°12	7°40	5♓45	6° 7	20°27	5°14	11°31	2°27	2° 2	13°41	25♒ 9	T 2
F 3	20 45 39	10°19'25	0♑14	21°18	3°26	8°20	5°38	6°12	20°30	5°15	11°31	2°28	1°59	13°48	25° 6	F 3
S 4	20 49 36	11°16'55	12°48	22°18	4°39	8°59	5°32	6°17	20°34	5°17	11°32	2°28	1°56	13°55	25° 3	S 4
S 5	20 53 33	12°14'27	25°39	23°24	5°52	9°38	5°25	6°21	20°37	5°18	11°32	2°29	1°53	14° 1	25° 0	S 5
M 6	20 57 29	13°12'00	8♒49	24°36	7° 5	10°18	5°19	6°26	20°41	5°20	11°32	2°R29	1°50	14° 8	24°57	M 6
T 7	21 1 26	14° 9'33	22°16	25°54	8°18	10°57	5°12	6°30	20°44	5°21	11°32	2°28	1°47	14°15	24°54	T 7
W 8	21 5 22	15° 7'08	5♓59	27°17	9°32	11°36	5° 5	6°35	20°47	5°23	11°32	2°27	1°43	14°21	24°51	W 8
T 9	21 9 19	16° 4'45	19°55	28°45	10°45	12°15	4°58	6°39	20°51	5°24	11°32	2°26	1°40	14°28	24°48	T 9
F 10	21 13 15	17° 2'23	4♈ 2	0♌18	11°58	12°54	4°51	6°43	20°54	5°26	11°32	2°24	1°37	14°35	24°45	F 10
S 11	21 17 12	18° 0'02	18°15	1°55	13°11	13°33	4°44	6°47	20°58	5°27	11°R32	2°22	1°34	14°42	24°42	S 11
S 12	21 21 8	18°57'43	2♉30	3°37	14°24	14°12	4°36	6°52	21° 1	5°29	11°32	2°21	1°31	14°48	24°39	S 12
M13	21 25 5	19°55'25	16°46	5°21	15°37	14°51	4°29	6°56	21° 4	5°31	11°32	2°D20	1°28	14°55	24°36	M13
T 14	21 29 2	20°53'10	0♊58	7° 9	16°50	15°30	4°22	6°59	21° 8	5°32	11°32	2°21	1°24	15° 2	24°33	T 14
W15	21 32 58	21°50'56	15° 5	9° 0	18° 4	16° 9	4°14	7° 3	21°11	5°34	11°32	2°21	1°21	15° 8	24°30	W15
T 16	21 36 55	22°48'44	29° 5	10°53	19°17	16°47	4° 6	7° 7	21°14	5°36	11°32	2°23	1°18	15°15	24°27	T 16
F 17	21 40 51	23°46'33	12♋55	12°48	20°30	17°26	3°59	7°11	21°17	5°38	11°32	2°24	1°15	15°22	24°24	F 17
S 18	21 44 48	24°44'24	26°36	14°45	21°43	18° 5	3°51	7°14	21°21	5°39	11°32	2°R25	1°12	15°29	24°21	S 18
S 19	21 48 44	25°42'17	10♌ 4	16°43	22°56	18°43	3°43	7°18	21°24	5°41	11°32	2°25	1° 8	15°35	24°18	S 19
M20	21 52 41	26°40'11	23°19	18°41	24° 9	19°22	3°36	7°21	21°27	5°43	11°31	2°24	1° 5	15°42	24°15	M20
T 21	21 56 38	27°38'07	6♍20	20°40	25°22	20° 0	3°28	7°24	21°30	5°45	11°31	2°21	1° 2	15°49	24°12	T 21
W22	22 0 34	28°36'04	19° 5	22°39	26°35	20°39	3°20	7°27	21°33	5°47	11°31	2°17	0°59	15°56	24° 9	W22
T 23	22 4 31	29°34'03	1♎37	24°39	27°48	21°17	3°12	7°30	21°36	5°49	11°31	2°13	0°56	16° 2	24° 6	T 23
F 24	22 8 27	0♍32'03	13°54	26°37	29° 1	21°56	3° 4	7°33	21°39	5°50	11°31	2° 8	0°53	16° 9	24° 3	F 24
S 25	22 12 24	1°30'05	26° 0	28°36	0♎14	22°34	2°56	7°36	21°42	5°52	11°30	2° 4	0°49	16°16	24° 0	S 25
S 26	22 16 20	2°28'08	7♏58	0♍33	1°26	23°12	2°48	7°39	21°45	5°54	11°30	2° 0	0°46	16°22	23°57	S 26
M27	22 20 17	3°26'13	19°51	2°30	2°39	23°50	2°40	7°42	21°48	5°56	11°30	1°58	0°43	16°29	23°54	M27
T 28	22 24 13	4°24'19	1♐44	4°26	3°52	24°28	2°32	7°44	21°51	5°58	11°29	1°D57	0°40	16°36	23°51	T 28
W29	22 28 10	5°22'26	13°40	6°22	5° 5	25° 6	2°24	7°47	21°54	6° 0	11°29	1°57	0°37	16°43	23°48	W29
T 30	22 32 6	6°20'35	25°46	8°16	6°18	25°44	2°16	7°49	21°57	6° 2	11°29	1°59	0°34	16°49	23°45	T 30
F 31	22 36 3	7♍18'46	8♑ 6	10♍ 9	7♎30	26♋22	2♓ 9	7♊51	22♋ 0	6♎ 4	11♉28	2♒ 0	0♒30	16♏56	23♒42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n12	25 s40	4 s25	20n 5	1 s59	12n32	1n29	23n56	0n38	10 s36	1 s19	19n33	1 s50	22n23	0n27	0 s40	1n31	0n27	15 s36	19 s39	19 s44	20 s45	6 s58	6n34
T 2	17 57	26 38	3 42	20 14	1 43	12 5	1 28	23 54	0 38	10 39	1 19	19 34	1 50	22 22	0 27	0 41	1 31	0 26	15 37	19 39	19 45	20 47	6 59	6 34
F 3	17 41	26 19	2 49	20 22	1 27	11 38	1 28	23 53	0 39	10 41	1 19	19 35	1 50	22 22	0 27	0 42	1 31	0 26	15 37	19 39	19 46	20 49	7 0	6 34
S 4	17 26	24 39	1 47	20 28	1 12	11 10	1 27	23 51	0 40	10 44	1 19	19 35	1 50	22 21	0 27	0 42	1 31	0 26	15 37	19 39	19 46	20 51	7 1	6 34
S 5	17 10	21 40	0 38	20 32	0 56	10 42	1 26	23 49	0 40	10 47	1 20	19 36	1 50	22 21	0 27	0 43	1 31	0 26	15 37	19 39	19 47	20 53	7 1	6 34
M 6	16 54	17 32	0n35	20 35	0 41	10 14	1 25	23 46	0 41	10 49	1 20	19 37	1 51	22 20	0 27	0 43	1 31	0 26	15 38	19 39	19 48	20 54	7 2	6 34
T 7	16 37	12 26	1 47	20 35	0 26	9 46	1 24	23 44	0 42	10 52	1 20	19 37	1 51	22 20	0 27	0 44	1 31	0 25	15 38	19 39	19 48	20 56	7 3	6 34
W 8	16 20	6 38	2 55	20 33	0 12	9 17	1 23	23 41	0 42	10 55	1 20	19 38	1 51	22 19	0 27	0 45	1 31	0 25	15 38	19 39	19 49	20 58	7 4	6 34
T 9	16 3	0 26	3 53	20 29	0n 2	8 48	1 21	23 38	0 43	10 57	1 20	19 39	1 51	22 19	0 27	0 45	1 31	0 25	15 39	19 40	19 50	21 0	7 5	6 34
F 10	15 46	5n51	4 38	20 22	0 14	8 19	1 20	23 35	0 43	11 0	1 21	19 39	1 51	22 18	0 27	0 46	1 31	0 24	15 39	19 40	19 51	21 2	7 6	6 34
S 11	15 28	11 53	5 6	20 12	0 27	7 50	1 19	23 32	0 44	11 3	1 21	19 40	1 51	22 18	0 27	0 47	1 31	0 24	15 39	19 40	19 51	21 4	7 7	6 34
S 12	15 10	17 18	5 15	20 0	0 38	7 21	1 17	23 28	0 45	11 6	1 21	19 40	1 51	22 17	0 27	0 47	1 31	0 24	15 40	19 41	19 52	21 6	7 8	6 34
M13	14 52	21 45	5 5	19 45	0 49	6 51	1 16	23 25	0 45	11 9	1 21	19 41	1 51	22 17	0 27	0 48	1 31	0 24	15 40	19 41	19 53	21 7	7 9	6 34
T 14	14 34	24 55	4 37	19 28	0 58	6 21	1 14	23 21	0 46	11 12	1 21	19 41	1 52	22 16	0 27	0 49	1 31	0 23	15 40	19 41	19 53	21 9	7 10	6 34
W15	14 15	26 30	3 52	19 7	1 7	5 51	1 13	23 17	0 47	11 14	1 21	19 42	1 52	22 16	0 27	0 50	1 31	0 23	15 40	19 41	19 54	21 11	7 11	6 34
T 16	13 56	26 23	2 53	18 44	1 15	5 21	1 11	23 13	0 47	11 17	1 21	19 42	1 52	22 15	0 27	0 50	1 31	0 23	15 41	19 40	19 55	21 13	7 12	6 34
F 17	13 37	24 36	1 45	18 19	1 22	4 50	1 9	23 9	0 48	11 20	1 22	19 43	1 52	22 15	0 27	0 51	1 31	0 22	15 41	19 40	19 55	21 15	7 13	6 34
S 18	13 18	21 24	0 32	17 51	1 28	4 20	1 8	23 4	0 49	11 23	1 22	19 43	1 52	22 14	0 27	0 52	1 31	0 22	15 41	19 40	19 56	21 16	7 14	6 34
S 19	12 59	17 5	0 s42	17 20	1 33	3 49	1 6	22 59	0 49	11 26	1 22	19 44	1 52	22 14	0 27	0 52	1 31	0 22	15 42	19 40	19 57	21 18	7 15	6 34
M20	12 39	12 0	1 52	16 48	1 37	3 18	1 4	22 55	0 50	11 29	1 22	19 44	1 52	22 13	0 27	0 53	1 31	0 21	15 42	19 40	19 58	21 20	7 16	6 34
T 21	12 19	6 29	2 55	16 14	1 41	2 48	1 2	22 50	0 50	11 32	1 22	19 45	1 52	22 13	0 27	0 54	1 31	0 21	15 42	19 41	19 58	21 22	7 17	6 33
W22	11 59	0 49	3 48	15 37	1 43	2 17	1 0	22 45	0 51	11 35	1 22	19 45	1 53	22 12	0 27	0 55	1 31	0 21	15 42	19 41	19 59	21 24	7 19	6 33
T 23	11 39	4 s45	4 29	14 59	1 45	1 46	0 58	22 39	0 52	11 38	1 22	19 45	1 53	22 12	0 27	0 55	1 31	0 20	15 43	19 42	20 0	21 25	7 20	6 33
F 24	11 18	10 3	4 57	14 20	1 46	1 15	0 55	22 34	0 52	11 41	1 22	19 46	1 53	22 11	0 27	0 56	1 31	0 20	15 43	19 44	20 0	21 27	7 21	6 33
S 25	10 58	14 53	5 11	13 39	1 47	0 43	0 53	22 28	0 53	11 44	1 23	19 46	1 53	22 11	0 27	0 57	1 31	0 20	15 43	19 45	20 1	21 29	7 22	6 33
S 26	10 37	19 5	5 11	12 57	1 46	0 12	0 51	22 22	0 54	11 47	1 23	19 46	1 53	22 11	0 27	0 58	1 31	0 19	15 44	19 45	20 2	21 31	7 23	6 33
M27	10 16	22 30	4 57	12 14	1 45	0 s19	0 49	22 16	0 54	11 50	1 23	19 47	1 53	22 10	0 27	0 59	1 31	0 19	15 44	19 46	20 2	21 32	7 24	6 33
T 28	9 55	24 59	4 31	11 31	1 44	0 50	0 46	22 10	0 55	11 53	1 23	19 47	1 53	22 10	0 27	0 59	1 31	0 19	15 44	19 46	20 3	21 34	7 25	6 33
W29	9 34	26 21	3 53	10 46	1 41	1 21	0 44	22 4	0 56	11 56	1 23	19 47	1 54	22 9	0 27	1 0	1 31	0 18	15 44	19 46	20 4	21 36	7 26	6 33
T 30	9 12	26 30	3 5	10 1	1 39	1 52	0 41	21 58	0 56	11 59	1 23	19 47	1 54	22 9	0 27	1 1	1 31	0 18	15 45	19 46	20 4	21 38	7 27	6 32
F 31	8n51	25 s21	2 s 7	9n15	1n36	2 s24	0n39	21n51	0n57	12 s 1	1 s23	19n48	1 s54	22n 8	0n27	1 s 2	1n31	0n18	15 s45	19 s45	20 s 5	21 s39	7 s28	6n32

Julian Day Number = 2312234.5, Delta T = 67.88 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'01, Lahiri = 18°32'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

SEPTEMBER 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 0	8♍16'58	20♉44	12♍ 1	8♎43	27♋ 0	2°R 1	7♊54	22♋ 3	6♎ 6	11°R28	2♒ 2	0♒27	17♏ 3	23°R39	S 1
S 2	22 43 56	9°15'11	3♒44	13°52	9°56	27°38	1♓53	7°56	22° 5	6° 8	11♉27	2°R 2	0°24	17° 9	23♒36	S 2
M 3	22 47 53	10°13'27	17° 7	15°41	11° 9	28°16	1°45	7°58	22° 8	6°10	11°27	2° 1	0°21	17°16	23°33	M 3
T 4	22 51 49	11°11'43	0♓53	17°30	12°21	28°54	1°37	7°59	22°11	6°12	11°26	1°58	0°18	17°23	23°30	T 4
W 5	22 55 46	12°10'02	15° 0	19°17	13°34	29°31	1°30	8° 1	22°14	6°14	11°26	1°54	0°14	17°30	23°27	W 5
T 6	22 59 42	13° 8'22	29°25	21° 3	14°47	0♌ 9	1°22	8° 3	22°16	6°16	11°25	1°48	0°11	17°36	23°25	T 6
F 7	23 3 39	14° 6'44	14♈ 0	22°49	15°59	0°46	1°15	8° 4	22°19	6°19	11°25	1°42	0° 8	17°43	23°22	F 7
S 8	23 7 35	15° 5'09	28°38	24°33	17°12	1°24	1° 7	8° 6	22°21	6°21	11°24	1°35	0° 5	17°50	23°19	S 8
S 9	23 11 32	16° 3'35	13♉14	26°16	18°24	2° 1	1° 0	8° 7	22°24	6°23	11°24	1°30	0° 2	17°56	23°16	S 9
M10	23 15 29	17° 2'04	27°41	27°57	19°37	2°39	0°52	8° 8	22°26	6°25	11°23	1°27	29♑59	18° 3	23°14	M10
T 11	23 19 25	18° 0'35	11♊56	29°38	20°49	3°16	0°45	8° 9	22°29	6°27	11°23	1°D25	29°55	18°10	23°11	T 11
W12	23 23 22	18°59'08	25°56	1♎18	22° 2	3°53	0°38	8°10	22°31	6°29	11°22	1°25	29°52	18°17	23° 8	W12
T 13	23 27 18	19°57'43	9♋41	2°57	23°14	4°31	0°31	8°11	22°34	6°31	11°21	1°26	29°49	18°23	23° 6	T 13
F 14	23 31 15	20°56'21	23°12	4°34	24°26	5° 8	0°24	8°12	22°36	6°33	11°21	1°27	29°46	18°30	23° 3	F 14
S 15	23 35 11	21°55'01	6♌29	6°11	25°39	5°45	0°17	8°13	22°38	6°36	11°20	1°R27	29°43	18°37	23° 0	S 15
S 16	23 39 8	22°53'43	19°34	7°47	26°51	6°22	0°10	8°13	22°40	6°38	11°19	1°26	29°40	18°43	22°58	S 16
M17	23 43 4	23°52'27	2♍27	9°21	28° 3	6°59	0° 4	8°14	22°43	6°40	11°19	1°22	29°36	18°50	22°55	M17
T 18	23 47 1	24°51'13	15° 9	10°55	29°16	7°36	29♒57	8°14	22°45	6°42	11°18	1°15	29°33	18°57	22°53	T 18
W19	23 50 58	25°50'01	27°40	12°28	0♏28	8°13	29°51	8°14	22°47	6°44	11°17	1° 7	29°30	19° 4	22°51	W19
T 20	23 54 54	26°48'51	10♎ 0	14° 0	1°40	8°50	29°45	8°R14	22°49	6°47	11°17	0°56	29°27	19°10	22°48	T 20
F 21	23 58 51	27°47'44	22°11	15°31	2°52	9°26	29°38	8°14	22°51	6°49	11°16	0°46	29°24	19°17	22°46	F 21
S 22	0 2 47	28°46'38	4♏13	17° 1	4° 5	10° 3	29°32	8°14	22°53	6°51	11°15	0°35	29°20	19°24	22°44	S 22
S 23	0 6 44	29°45'34	16° 7	18°30	5°17	10°40	29°27	8°14	22°55	6°53	11°14	0°26	29°17	19°30	22°41	S 23
M24	0 10 40	0♎44'31	27°58	19°58	6°29	11°16	29°21	8°14	22°57	6°55	11°13	0°18	29°14	19°37	22°39	M24
T 25	0 14 37	1°43'31	9♐48	21°25	7°41	11°53	29°15	8°13	22°59	6°58	11°13	0°13	29°11	19°44	22°37	T 25
W26	0 18 33	2°42'33	21°42	22°51	8°53	12°29	29°10	8°13	23° 0	7° 0	11°12	0°11	29° 8	19°51	22°35	W26
T 27	0 22 30	3°41'36	3♑45	24°16	10° 5	13° 6	29° 5	8°12	23° 2	7° 2	11°11	0°D10	29° 5	19°57	22°33	T 27
F 28	0 26 27	4°40'41	16° 1	25°40	11°17	13°42	29° 0	8°11	23° 4	7° 4	11°10	0°11	29° 1	20° 4	22°31	F 28
S 29	0 30 23	5°39'48	28°37	27° 3	12°29	14°18	28°55	8°10	23° 5	7° 7	11° 9	0°R11	28°58	20°11	22°29	S 29
S 30	0 34 20	6♎38'57	11♒36	28♎25	13♏41	14♌54	28♒50	8♊ 9	23♋ 7	7♎ 9	11♉ 8	0♒11	28♑55	20♏17	22♒27	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n29	22s54	1s 1	8n29	1n32	2s55	0n36	21n44	0n57	12s 4	1s23	19n48	1s54	22n 8	0n27	1s 3	1n31	0n17	15s45	19s45	20s 6	21s41	7s29	6n32
S 2	8 7	19 13	0n 9	7 43	1 28	3 26	0 33	21 38	0 58	12 7	1 23	19 48	1 54	22 7	0 27	1 3	1 31	0 17	15 46	19 45	20 6	21 43	7 30	6 32
M 3	7 45	14 27	1 21	6 56	1 24	3 57	0 31	21 31	0 59	12 10	1 23	19 48	1 54	22 7	0 27	1 4	1 31	0 16	15 46	19 45	20 7	21 44	7 32	6 32
T 4	7 23	8 51	2 30	6 10	1 19	4 28	0 28	21 24	0 59	12 13	1 23	19 48	1 54	22 7	0 27	1 5	1 31	0 16	15 46	19 46	20 8	21 46	7 33	6 32
W 5	7 1	2 40	3 32	5 23	1 14	4 59	0 25	21 16	1 0	12 16	1 23	19 48	1 55	22 6	0 27	1 6	1 31	0 16	15 46	19 47	20 9	21 48	7 34	6 31
T 6	6 38	3n45	4 21	4 36	1 8	5 30	0 22	21 9	1 1	12 18	1 23	19 49	1 55	22 6	0 27	1 7	1 30	0 15	15 47	19 48	20 9	21 50	7 35	6 31
F 7	6 16	10 3	4 54	3 49	1 3	6 0	0 19	21 1	1 1	12 21	1 23	19 49	1 55	22 5	0 28	1 8	1 30	0 15	15 47	19 50	20 10	21 51	7 36	6 31
S 8	5 53	15 48	5 8	3 2	0 57	6 31	0 16	20 54	1 2	12 24	1 23	19 49	1 55	22 5	0 28	1 8	1 30	0 14	15 47	19 51	20 11	21 53	7 37	6 31
S 9	5 31	20 38	5 2	2 16	0 51	7 1	0 14	20 46	1 3	12 26	1 23	19 49	1 55	22 5	0 28	1 9	1 30	0 14	15 47	19 52	20 11	21 55	7 38	6 31
M10	5 8	24 11	4 37	1 30	0 44	7 32	0 11	20 38	1 3	12 29	1 23	19 49	1 55	22 4	0 28	1 10	1 30	0 14	15 48	19 53	20 12	21 56	7 39	6 30
T 11	4 45	26 9	3 55	0 43	0 38	8 2	0 7	20 30	1 4	12 32	1 23	19 49	1 55	22 4	0 28	1 11	1 30	0 13	15 48	19 53	20 13	21 58	7 40	6 30
W12	4 22	26 25	3 0	0s 2	0 31	8 32	0 4	20 22	1 4	12 34	1 23	19 49	1 56	22 4	0 28	1 12	1 30	0 13	15 48	19 53	20 13	22 0	7 41	6 30
T 13	3 59	25 2	1 55	0 48	0 24	9 2	0 1	20 14	1 5	12 37	1 23	19 49	1 56	22 3	0 28	1 13	1 30	0 12	15 48	19 53	20 14	22 1	7 42	6 30
F 14	3 36	22 13	0 44	1 33	0 17	9 31	0s 2	20 5	1 6	12 39	1 23	19 49	1 56	22 3	0 28	1 14	1 30	0 12	15 49	19 53	20 15	22 3	7 43	6 29
S 15	3 13	18 15	0s27	2 18	0 10	10 1	0 5	19 57	1 6	12 41	1 23	19 49	1 56	22 2	0 28	1 14	1 30	0 12	15 49	19 53	20 15	22 4	7 44	6 29
S 16	2 50	13 28	1 36	3 3	0 3	10 30	0 8	19 48	1 7	12 44	1 23	19 49	1 56	22 2	0 28	1 15	1 30	0 11	15 49	19 53	20 16	22 6	7 46	6 29
M17	2 26	8 10	2 38	3 47	0s 4	10 59	0 11	19 39	1 8	12 46	1 23	19 49	1 56	22 2	0 28	1 16	1 30	0 11	15 49	19 54	20 17	22 8	7 47	6 29
T 18	2 3	2 36	3 32	4 30	0 11	11 28	0 15	19 31	1 8	12 48	1 23	19 49	1 56	22 1	0 28	1 17	1 30	0 10	15 49	19 55	20 17	22 9	7 48	6 28
W19	1 40	2s58	4 14	5 13	0 19	11 56	0 18	19 22	1 9	12 51	1 23	19 48	1 57	22 1	0 28	1 18	1 30	0 10	15 50	19 57	20 18	22 11	7 49	6 28
T 20	1 16	8 19	4 44	5 56	0 26	12 25	0 21	19 13	1 10	12 53	1 23	19 48	1 57	22 1	0 28	1 19	1 30	0 10	15 50	19 59	20 19	22 13	7 50	6 28
F 21	0 53	13 18	5 1	6 38	0 34	12 53	0 24	19 3	1 10	12 55	1 23	19 48	1 57	22 1	0 28	1 20	1 30	0 9	15 50	20 2	20 19	22 14	7 51	6 27
S 22	0 29	17 42	5 3	7 20	0 41	13 20	0 28	18 54	1 11	12 57	1 23	19 48	1 57	22 0	0 28	1 21	1 30	0 9	15 50	20 4	20 20	22 16	7 52	6 27
S 23	0 6	21 22	4 53	8 1	0 48	13 48	0 31	18 45	1 12	12 59	1 23	19 48	1 57	22 0	0 28	1 21	1 30	0 8	15 51	20 6	20 21	22 17	7 53	6 27
M24	0s18	24 8	4 30	8 41	0 56	14 15	0 34	18 35	1 12	13 1	1 22	19 48	1 57	22 0	0 28	1 22	1 30	0 8	15 51	20 8	20 21	22 19	7 54	6 27
T 25	0 41	25 50	3 55	9 21	1 3	14 42	0 38	18 26	1 13	13 3	1 22	19 47	1 57	21 59	0 28	1 23	1 30	0 7	15 51	20 9	20 22	22 20	7 55	6 26
W26	1 5	26 23	3 10	10 0	1 11	15 8	0 41	18 16	1 13	13 4	1 22	19 47	1 58	21 59	0 28	1 24	1 30	0 7	15 51	20 9	20 23	22 22	7 56	6 26
T 27	1 28	25 42	2 16	10 38	1 18	15 34	0 44	18 6	1 14	13 6	1 22	19 47	1 58	21 59	0 28	1 25	1 30	0 7	15 51	20 9	20 23	22 24	7 57	6 26
F 28	1 52	23 46	1 15	11 16	1 25	16 0	0 48	17 56	1 15	13 8	1 22	19 47	1 58	21 59	0 28	1 26	1 30	0 6	15 51	20 9	20 24	22 25	7 58	6 25
S 29	2 15	20 37	0 8	11 53	1 32	16 25	0 51	17 47	1 15	13 9	1 22	19 46	1 58	21 58	0 28	1 27	1 30	0 6	15 52	20 9	20 25	22 27	7 59	6 25
S 30	2s39	16s23	1n 0	12s29	1s39	16s50	0s54	17n37	1n16	13s11	1s22	19n46	1s58	21n58	0n28	1s28	1n30	0n 5	15s52	20s 9	20s25	22s28	7s59	6n25

Julian Day Number = 2312265.5, Delta T = 67.80 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'05, Lahiri = 18°32'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

OCTOBER 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 38 16	7♎38'07	25♒ 2	29♎46	14♏52	15♌31	28°R45	8°R 8	23♋ 9	7♎11	11°R 7	0°R 8	28♑52	20♏24	22°R25	M 1
T 2	0 42 13	8°37'19	8♓57	1♏ 6	16° 4	16° 7	28♒41	8♊ 7	23°10	7°13	11♉ 6	0♒ 3	28°49	20°31	22♒23	T 2
W 3	0 46 9	9°36'33	23°18	2°24	17°16	16°43	28°37	8° 6	23°12	7°16	11° 6	29♑56	28°45	20°38	22°22	W 3
T 4	0 50 6	10°35'49	8♈ 3	3°42	18°27	17°18	28°33	8° 4	23°13	7°18	11° 5	29°46	28°42	20°44	22°20	T 4
F 5	0 54 2	11°35'07	23° 2	4°58	19°39	17°54	28°29	8° 3	23°14	7°20	11° 4	29°35	28°39	20°51	22°18	F 5
S 6	0 57 59	12°34'28	8♉ 6	6°12	20°51	18°30	28°25	8° 1	23°16	7°22	11° 3	29°25	28°36	20°58	22°17	S 6
S 7	1 1 55	13°33'50	23° 6	7°25	22° 2	19° 6	28°22	7°59	23°17	7°24	11° 2	29°16	28°33	21° 4	22°15	S 7
M 8	1 5 52	14°33'15	7♊53	8°36	23°14	19°41	28°18	7°58	23°18	7°27	11° 1	29° 9	28°30	21°11	22°14	M 8
T 9	1 9 49	15°32'42	22°20	9°46	24°25	20°17	28°15	7°56	23°19	7°29	11° 0	29° 5	28°26	21°18	22°12	T 9
W10	1 13 45	16°32'12	6♋25	10°53	25°37	20°52	28°12	7°54	23°20	7°31	10°59	29° 3	28°23	21°25	22°11	W10
T 11	1 17 42	17°31'44	20° 8	11°59	26°48	21°28	28°10	7°51	23°21	7°33	10°58	29°D 3	28°20	21°31	22° 9	T 11
F 12	1 21 38	18°31'18	3♌30	13° 2	27°59	22° 3	28° 7	7°49	23°22	7°36	10°57	29°R 3	28°17	21°38	22° 8	F 12
S 13	1 25 35	19°30'54	16°34	14° 3	29°11	22°39	28° 5	7°47	23°23	7°38	10°56	29° 2	28°14	21°45	22° 7	S 13
S 14	1 29 31	20°30'33	29°22	15° 0	0♐22	23°14	28° 3	7°44	23°24	7°40	10°55	28°59	28°11	21°51	22° 6	S 14
M15	1 33 28	21°30'14	11♍58	15°55	1°33	23°49	28° 1	7°42	23°25	7°42	10°54	28°53	28° 7	21°58	22° 5	M15
T 16	1 37 24	22°29'57	24°23	16°47	2°44	24°24	27°59	7°39	23°26	7°44	10°53	28°44	28° 4	22° 5	22° 3	T 16
W17	1 41 21	23°29'42	6♎40	17°35	3°55	24°59	27°57	7°36	23°27	7°47	10°51	28°32	28° 1	22°12	22° 2	W17
T 18	1 45 18	24°29'30	18°49	18°18	5° 6	25°34	27°56	7°34	23°27	7°49	10°50	28°19	27°58	22°18	22° 2	T 18
F 19	1 49 14	25°29'19	0♏51	18°57	6°17	26° 9	27°55	7°31	23°28	7°51	10°49	28° 4	27°55	22°25	22° 1	F 19
S 20	1 53 11	26°29'10	12°47	19°31	7°28	26°43	27°54	7°28	23°28	7°53	10°48	27°49	27°51	22°32	22° 0	S 20
S 21	1 57 7	27°29'04	24°39	20° 0	8°39	27°18	27°53	7°24	23°29	7°55	10°47	27°36	27°48	22°38	21°59	S 21
M22	2 1 4	28°28'59	6♐28	20°22	9°50	27°52	27°53	7°21	23°29	7°57	10°46	27°26	27°45	22°45	21°58	M22
T 23	2 5 0	29°28'56	18°18	20°38	11° 0	28°27	27°52	7°18	23°30	7°59	10°45	27°18	27°42	22°52	21°58	T 23
W24	2 8 57	0♏28'54	0♑11	20°46	12°11	29° 1	27°D52	7°15	23°30	8° 1	10°44	27°13	27°39	22°59	21°57	W24
T 25	2 12 53	1°28'55	12°11	20°R47	13°21	29°36	27°52	7°11	23°30	8° 4	10°43	27°11	27°36	23° 5	21°57	T 25
F 26	2 16 50	2°28'57	24°24	20°39	14°32	0♑10	27°53	7° 8	23°31	8° 6	10°42	27°10	27°32	23°12	21°56	F 26
S 27	2 20 47	3°29'00	6♒54	20°21	15°42	0°44	27°53	7° 4	23°31	8° 8	10°41	27°10	27°29	23°19	21°56	S 27
S 28	2 24 43	4°29'06	19°47	19°55	16°53	1°18	27°54	7° 0	23°31	8°10	10°39	27°10	27°26	23°25	21°56	S 28
M29	2 28 40	5°29'12	3♓ 7	19°19	18° 3	1°52	27°55	6°57	23°31	8°12	10°38	27° 7	27°23	23°32	21°55	M29
T 30	2 32 36	6°29'20	16°58	18°33	19°13	2°26	27°56	6°53	23°R31	8°14	10°37	27° 2	27°20	23°39	21°55	T 30
W31	2 36 33	7♏29'30	1♈18	17♏38	20♐23	2♑59	27♒57	6♊49	23♋31	8♎16	10♉36	26♑55	27♑17	23♏45	21♒55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	3s 2	11s12	2n 8	13s 4	1s46	17s15	0s58	17n26	1n17	13s13	1s22	19n46	1s58	21n58	0n28	1s28	1n30	0n 5	15s52	20s10	20s26	22s30	8s 0	6n24	
T 2	3 26	5 18	3 10	13 39	1 53	17 39	1 1	17 16	1 17	13 14	1 22	19 46	1 58	21 58	0 28	1 29	1 30	0 5	15 52	20 11	20 26	22 31	8 1	6 24	
W 3	3 49	1n 3	4 3	14 12	2 0	18 3	1 4	17 6	1 18	13 15	1 22	19 45	1 59	21 57	0 28	1 30	1 30	0 4	15 52	20 13	20 27	22 33	8 2	6 24	
T 4	4 12	7 29	4 40	14 45	2 6	18 26	1 8	16 56	1 19	13 17	1 21	19 45	1 59	21 57	0 28	1 31	1 30	0 4	15 52	20 15	20 28	22 34	8 3	6 23	
F 5	4 35	13 36	4 59	15 17	2 12	18 49	1 11	16 45	1 19	13 18	1 21	19 45	1 59	21 57	0 28	1 32	1 30	0 3	15 53	20 17	20 28	22 36	8 4	6 23	
S 6	4 59	18 56	4 58	15 47	2 18	19 12	1 14	16 35	1 20	13 19	1 21	19 44	1 59	21 57	0 28	1 33	1 30	0 3	15 53	20 19	20 29	22 37	8 5	6 22	
S 7	5 22	23 2	4 36	16 17	2 24	19 34	1 17	16 24	1 21	13 20	1 21	19 44	1 59	21 57	0 28	1 34	1 30	0 2	15 53	20 21	20 30	22 39	8 6	6 22	
M 8	5 45	25 33	3 56	16 46	2 30	19 55	1 21	16 14	1 21	13 21	1 21	19 43	1 59	21 56	0 28	1 35	1 30	0 2	15 53	20 22	20 30	22 40	8 6	6 22	
T 9	6 8	26 17	3 1	17 13	2 35	20 16	1 24	16 3	1 22	13 22	1 21	19 43	1 59	21 56	0 28	1 35	1 30	0 2	15 53	20 23	20 31	22 42	8 7	6 21	
W10	6 31	25 17	1 57	17 40	2 40	20 37	1 27	15 52	1 23	13 23	1 21	19 42	1 59	21 56	0 29	1 36	1 31	0 1	15 53	20 23	20 32	22 43	8 8	6 21	
T 11	6 54	22 45	0 47	18 5	2 45	20 57	1 30	15 42	1 23	13 24	1 20	19 42	1 59	21 56	0 29	1 37	1 31	0 1	15 53	20 24	20 32	22 45	8 9	6 21	
F 12	7 16	19 2	0s24	18 28	2 49	21 16	1 33	15 31	1 24	13 24	1 20	19 42	2 0	21 56	0 29	1 38	1 31	0 0	15 53	20 24	20 33	22 46	8 10	6 20	
S 13	7 39	14 27	1 31	18 50	2 53	21 35	1 36	15 20	1 25	13 25	1 20	19 41	2 0	21 56	0 29	1 39	1 31	0 0	15 54	20 24	20 34	22 48	8 10	6 20	
S 14	8 2	9 20	2 33	19 11	2 57	21 53	1 39	15 9	1 25	13 26	1 20	19 41	2 0	21 56	0 29	1 40	1 31	0s 0	15 54	20 24	20 34	22 49	8 11	6 19	
M15	8 24	3 55	3 26	19 30	2 59	22 11	1 42	14 58	1 26	13 26	1 20	19 40	2 0	21 56	0 29	1 41	1 31	0 1	15 54	20 26	20 35	22 50	8 12	6 19	
T 16	8 46	1s34	4 8	19 47	3 2	22 28	1 45	14 47	1 27	13 27	1 20	19 40	2 0	21 55	0 29	1 41	1 31	0 1	15 54	20 27	20 36	22 52	8 13	6 19	
W17	9 9	6 54	4 38	20 3	3 4	22 45	1 48	14 36	1 27	13 27	1 19	19 39	2 0	21 55	0 29	1 42	1 31	0 2	15 54	20 30	20 36	22 53	8 13	6 18	
T 18	9 31	11 56	4 55	20 16	3 5	23 1	1 51	14 24	1 28	13 27	1 19	19 38	2 0	21 55	0 29	1 43	1 31	0 2	15 54	20 33	20 37	22 55	8 14	6 18	
F 19	9 53	16 27	4 59	20 27	3 5	23 17	1 54	14 13	1 29	13 28	1 19	19 38	2 0	21 55	0 29	1 44	1 31	0 2	15 54	20 36	20 37	22 56	8 15	6 17	
S 20	10 14	20 18	4 49	20 36	3 4	23 31	1 57	14 2	1 29	13 28	1 19	19 37	2 0	21 55	0 29	1 45	1 31	0 3	15 54	20 38	20 38	22 58	8 15	6 17	
S 21	10 36	23 17	4 27	20 43	3 3	23 46	2 0	13 51	1 30	13 28	1 19	19 37	2 0	21 55	0 29	1 46	1 31	0 3	15 54	20 41	20 39	22 59	8 16	6 17	
M22	10 57	25 16	3 54	20 46	3 0	23 59	2 2	13 39	1 31	13 28	1 19	19 36	2 0	21 55	0 29	1 46	1 31	0 3	15 54	20 43	20 39	23 0	8 17	6 16	
T 23	11 19	26 7	3 10	20 47	2 57	24 12	2 5	13 28	1 31	13 28	1 18	19 36	2 1	21 55	0 29	1 47	1 31	0 4	15 54	20 45	20 40	23 2	8 17	6 16	
W24	11 40	25 47	2 17	20 45	2 52	24 24	2 7	13 17	1 32	13 28	1 18	19 35	2 1	21 55	0 29	1 48	1 31	0 4	15 54	20 46	20 41	23 3	8 18	6 15	
T 25	12 1	24 14	1 18	20 39	2 46	24 36	2 10	13 5	1 33	13 28	1 18	19 34	2 1	21 55	0 29	1 49	1 31	0 4	15 54	20 46	20 41	23 5	8 18	6 15	
F 26	12 22	21 32	0 15	20 29	2 38	24 47	2 12	12 54	1 33	13 27	1 18	19 34	2 1	21 55	0 29	1 50	1 31	0 5	15 54	20 46	20 42	23 6	8 19	6 14	
S 27	12 42	17 46	0n51	20 15	2 28	24 57	2 15	12 42	1 34	13 27	1 18	19 33	2 1	21 55	0 29	1 50	1 31	0 5	15 54	20 46	20 42	23 7	8 19	6 14	
S 28	13 3	13 4	1 57	19 58	2 18	25 7	2 17	12 31	1 35	13 26	1 17	19 32	2 1	21 55	0 29	1 51	1 31	0 6	15 54	20 46	20 43	23 9	8 20	6 14	
M29	13 23	7 37	2 58	19 36	2 5	25 16	2 19	12 19	1 36	13 26	1 17	19 32	2 1	21 55	0 29	1 52	1 31	0 6	15 54	20 47	20 44	23 10	8 20	6 13	
T 30	13 43	1 37	3 51	19 9	1 51	25 24	2 21	12 8	1 36	13 25	1 17	19 31	2 1	21 55	0 29	1 53	1 31	0 6	15 54	20 48	20 44	23 11	8 21	6 13	
W31	14s 2	4n40	4n32	18s38	1s34	25s32	2s24	11n56	1n37	13s25	1s17	19n30	2s 1	21n55	0n29	1s53	1n31	0s 6	15s54	20s49	20s45	23s13	8s21	6n12	

Julian Day Number = 2312295.5, Delta T = 67.73 sec
Ecliptic obliquity = 23°29'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'09, Lahiri = 18°32'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

NOVEMBER 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 29	8♏29'42	16♈ 6	16°R35	21♐33	3♍33	27♒59	6°R45	23°R31	8♎18	10°R35	26°R45	27♑13	23♏52	21°R55	T 1
F 2	2 44 26	9°29'55	1♉15	15♏24	22°43	4° 7	28° 0	6♊41	23♋31	8°20	10♉34	26♑34	27°10	23°59	21°D55	F 2
S 3	2 48 22	10°30'10	16°34	14° 9	23°53	4°40	28° 2	6°37	23°31	8°22	10°33	26°23	27° 7	24° 6	21♒55	S 3
S 4	2 52 19	11°30'26	1♊52	12°50	25° 2	5°13	28° 4	6°32	23°30	8°24	10°32	26°13	27° 4	24°12	21°55	S 4
M 5	2 56 16	12°30'45	16°57	11°30	26°12	5°47	28° 7	6°28	23°30	8°26	10°30	26° 6	27° 1	24°19	21°55	M 5
T 6	3 0 12	13°31'06	1♋42	10°12	27°21	6°20	28° 9	6°24	23°30	8°28	10°29	26° 1	26°57	24°26	21°56	T 6
W 7	3 4 9	14°31'28	16° 1	8°58	28°31	6°53	28°12	6°20	23°29	8°30	10°28	25°59	26°54	24°32	21°56	W 7
T 8	3 8 5	15°31'53	29°53	7°51	29°40	7°26	28°15	6°15	23°29	8°31	10°27	25°D59	26°51	24°39	21°56	T 8
F 9	3 12 2	16°32'19	13♌18	6°53	0♑49	7°59	28°18	6°11	23°28	8°33	10°26	25°R59	26°48	24°46	21°57	F 9
S 10	3 15 58	17°32'47	26°21	6° 4	1°58	8°31	28°21	6° 6	23°28	8°35	10°25	25°59	26°45	24°53	21°57	S 10
S 11	3 19 55	18°33'17	9♍ 3	5°27	3° 7	9° 4	28°25	6° 2	23°27	8°37	10°24	25°57	26°42	24°59	21°58	S 11
M12	3 23 51	19°33'49	21°30	5° 2	4°16	9°36	28°28	5°57	23°26	8°39	10°23	25°52	26°38	25° 6	21°58	M12
T 13	3 27 48	20°34'23	3♎44	4°48	5°25	10° 9	28°32	5°52	23°26	8°41	10°21	25°45	26°35	25°13	21°59	T 13
W14	3 31 45	21°34'58	15°50	4°D45	6°33	10°41	28°36	5°48	23°25	8°42	10°20	25°35	26°32	25°19	22° 0	W14
T 15	3 35 41	22°35'35	27°49	4°54	7°42	11°13	28°40	5°43	23°24	8°44	10°19	25°24	26°29	25°26	22° 1	T 15
F 16	3 39 38	23°36'14	9♏44	5°12	8°50	11°45	28°45	5°38	23°23	8°46	10°18	25°11	26°26	25°33	22° 1	F 16
S 17	3 43 34	24°36'54	21°37	5°40	9°58	12°17	28°49	5°33	23°22	8°47	10°17	24°59	26°22	25°39	22° 2	S 17
S 18	3 47 31	25°37'36	3♐27	6°17	11° 6	12°49	28°54	5°29	23°21	8°49	10°16	24°47	26°19	25°46	22° 3	S 18
M19	3 51 27	26°38'19	15°18	7° 0	12°14	13°20	28°59	5°24	23°20	8°51	10°15	24°38	26°16	25°53	22° 4	M19
T 20	3 55 24	27°39'03	27°11	7°51	13°22	13°52	29° 4	5°19	23°19	8°52	10°14	24°32	26°13	26° 0	22° 6	T 20
W21	3 59 20	28°39'49	9♑ 7	8°47	14°29	14°23	29°10	5°14	23°18	8°54	10°13	24°28	26°10	26° 6	22° 7	W21
T 22	4 3 17	29°40'36	21°11	9°48	15°36	14°54	29°15	5° 9	23°17	8°56	10°12	24°D27	26° 7	26°13	22° 8	T 22
F 23	4 7 14	0♐41'24	3♒26	10°54	16°44	15°26	29°21	5° 4	23°15	8°57	10°11	24°27	26° 3	26°20	22° 9	F 23
S 24	4 11 10	1°42'12	15°56	12° 3	17°51	15°56	29°27	4°59	23°14	8°59	10°10	24°28	26° 0	26°26	22°11	S 24
S 25	4 15 7	2°43'02	28°45	13°16	18°57	16°27	29°33	4°54	23°13	9° 0	10° 9	24°R29	25°57	26°33	22°12	S 25
M26	4 19 3	3°43'53	11♓57	14°31	20° 4	16°58	29°39	4°49	23°11	9° 2	10° 8	24°29	25°54	26°40	22°14	M26
T 27	4 23 0	4°44'44	25°37	15°49	21°10	17°28	29°46	4°44	23°10	9° 3	10° 7	24°26	25°51	26°47	22°15	T 27
W28	4 26 56	5°45'36	9♈45	17° 9	22°16	17°59	29°52	4°39	23° 8	9° 5	10° 6	24°22	25°48	26°53	22°17	W28
T 29	4 30 53	6°46'29	24°20	18°31	23°22	18°29	29°59	4°34	23° 7	9° 6	10° 5	24°16	25°44	27° 0	22°18	T 29
F 30	4 34 49	7♐47'23	9♉19	19♏55	24♑28	18♍59	0♓ 6	4♊30	23♋ 5	9♎ 7	10♉ 4	24♑ 9	25♑41	27♏ 7	22♒20	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s22	10n54	4n56	18s 3	1s17	25s38	2s26	11n45	1n38	13s24	1s17	19n30	2s 1	21n55	0n29	1s54	1n31	0s 7	15s54	20s51	20s46	23s14	8s22	6n12
F 2	14 41	16 37	5 0	17 25	0 58	25 45	2 27	11 33	1 38	13 23	1 17	19 29	2 1	21 55	0 29	1 55	1 31	0 7	15 54	20 53	20 46	23 15	8 22	6 11
S 3	15 0	21 20	4 43	16 43	0 38	25 50	2 29	11 21	1 39	13 22	1 16	19 28	2 1	21 55	0 29	1 56	1 31	0 7	15 54	20 55	20 47	23 17	8 22	6 11
S 4	15 19	24 35	4 5	16 0	0 18	25 55	2 31	11 10	1 40	13 22	1 16	19 27	2 1	21 55	0 29	1 56	1 31	0 8	15 54	20 57	20 47	23 18	8 23	6 11
M 5	15 38	26 1	3 11	15 16	0n 3	25 59	2 33	10 58	1 41	13 21	1 16	19 27	2 1	21 55	0 29	1 57	1 31	0 8	15 54	20 58	20 48	23 19	8 23	6 10
T 6	15 56	25 34	2 5	14 32	0 23	26 2	2 34	10 47	1 41	13 20	1 16	19 26	2 1	21 55	0 29	1 58	1 31	0 8	15 54	20 59	20 49	23 21	8 24	6 10
W 7	16 14	23 24	0 53	13 50	0 43	26 5	2 36	10 35	1 42	13 18	1 16	19 25	2 1	21 56	0 29	1 59	1 31	0 9	15 54	21 0	20 49	23 22	8 24	6 9
T 8	16 32	19 53	0s21	13 11	1 2	26 7	2 37	10 23	1 43	13 17	1 15	19 24	2 1	21 56	0 30	1 59	1 31	0 9	15 54	21 0	20 50	23 23	8 24	6 9
F 9	16 49	15 25	1 31	12 36	1 19	26 8	2 38	10 12	1 43	13 16	1 15	19 24	2 1	21 56	0 30	2 0	1 31	0 9	15 54	21 0	20 50	23 24	8 24	6 8
S 10	17 6	10 21	2 34	12 6	1 34	26 8	2 40	10 0	1 44	13 15	1 15	19 23	2 1	21 56	0 30	2 1	1 31	0 9	15 54	21 0	20 51	23 26	8 25	6 8
S 11	17 23	4 59	3 28	11 41	1 47	26 8	2 41	9 48	1 45	13 13	1 15	19 22	2 1	21 56	0 30	2 1	1 31	0 10	15 54	21 0	20 52	23 27	8 25	6 8
M12	17 40	0s27	4 11	11 22	1 58	26 7	2 42	9 37	1 46	13 12	1 15	19 21	2 1	21 56	0 30	2 2	1 31	0 10	15 54	21 1	20 52	23 28	8 25	6 7
T 13	17 56	5 47	4 41	11 8	2 8	26 5	2 43	9 25	1 46	13 10	1 14	19 20	2 1	21 56	0 30	2 3	1 31	0 10	15 54	21 2	20 53	23 29	8 25	6 7
W14	18 12	10 50	4 58	11 1	2 15	26 3	2 43	9 14	1 47	13 9	1 14	19 20	2 1	21 57	0 30	2 3	1 31	0 10	15 54	21 4	20 54	23 31	8 25	6 6
T 15	18 28	15 25	5 2	10 58	2 21	26 0	2 44	9 2	1 48	13 7	1 14	19 19	2 1	21 57	0 30	2 4	1 32	0 11	15 54	21 6	20 54	23 32	8 26	6 6
F 16	18 43	19 23	4 53	11 1	2 25	25 56	2 44	8 51	1 49	13 5	1 14	19 18	2 1	21 57	0 30	2 5	1 32	0 11	15 54	21 9	20 55	23 33	8 26	6 5
S 17	18 58	22 34	4 31	11 8	2 27	25 51	2 45	8 39	1 49	13 4	1 14	19 17	2 1	21 57	0 30	2 5	1 32	0 11	15 53	21 11	20 55	23 34	8 26	6 5
S 18	19 12	24 46	3 57	11 19	2 28	25 46	2 45	8 28	1 50	13 2	1 14	19 16	2 1	21 57	0 30	2 6	1 32	0 11	15 53	21 13	20 56	23 36	8 26	6 4
M19	19 27	25 53	3 13	11 33	2 28	25 40	2 45	8 16	1 51	13 0	1 13	19 16	2 1	21 58	0 30	2 7	1 32	0 12	15 53	21 14	20 57	23 37	8 26	6 4
T 20	19 41	25 48	2 21	11 51	2 26	25 34	2 45	8 5	1 52	12 58	1 13	19 15	2 1	21 58	0 30	2 7	1 32	0 12	15 53	21 16	20 57	23 38	8 26	6 4
W21	19 54	24 32	1 21	12 11	2 24	25 26	2 45	7 53	1 52	12 56	1 13	19 14	2 1	21 58	0 30	2 8	1 32	0 12	15 53	21 16	20 58	23 39	8 26	6 3
T 22	20 7	22 6	0 17	12 33	2 21	25 18	2 45	7 42	1 53	12 54	1 13	19 13	2 1	21 58	0 30	2 8	1 32	0 12	15 53	21 17	20 58	23 40	8 26	6 3
F 23	20 20	18 39	0n48	12 57	2 17	25 10	2 45	7 30	1 54	12 51	1 13	19 12	2 1	21 58	0 30	2 9	1 32	0 12	15 53	21 17	20 59	23 42	8 26	6 2
S 24	20 33	14 18	1 53	13 23	2 13	25 1	2 44	7 19	1 55	12 49	1 12	19 12	2 1	21 59	0 30	2 10	1 32	0 12	15 53	21 16	21 0	23 43	8 26	6 2
S 25	20 45	9 13	2 54	13 49	2 8	24 51	2 44	7 8	1 56	12 47	1 12	19 11	2 1	21 59	0 30	2 10	1 32	0 13	15 52	21 16	21 0	23 44	8 26	6 2
M26	20 57	3 35	3 47	14 17	2 2	24 40	2 43	6 57	1 56	12 45	1 12	19 10	2 1	21 59	0 30	2 11	1 32	0 13	15 52	21 16	21 1	23 45	8 26	6 1
T 27	21 8	2n23	4 30	14 45	1 56	24 29	2 42	6 45	1 57	12 42	1 12	19 9	2 1	22 0	0 30	2 11	1 32	0 13	15 52	21 17	21 1	23 46	8 26	6 1
W28	21 19	8 26	4 58	15 14	1 50	24 18	2 41	6 34	1 58	12 40	1 12	19 8	2 1	22 0	0 30	2 12	1 32	0 13	15 52	21 17	21 2	23 47	8 26	6 0
T 29	21 29	14 13	5 8	15 43	1 44	24 5	2 40	6 23	1 59	12 37	1 12	19 8	2 0	22 0	0 30	2 12	1 32	0 13	15 52	21 18	21 2	23 49	8 26	6 0
F 30	21s39	19n19	4n57	16s12	1n37	23s52	2s39	6n12	2n 0	12s34	1s11	19n 7	2s 0	22n 0	0n30	2s13	1n32	0s13	15s52	21s20	21s 3	23s50	8s25	6n 0

Julian Day Number = 2312326.5, Delta T = 67.65 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'13, Lahiri = 18°32'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1618
geocentric

DECEMBER 1618 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 38 46	8♐48'18	24♉33	21♏19	25♑33	19♍29	0♓13	4°R25	23°R 4	9♎ 9	10°R 3	24°R 2	25♑38	27♏13	22♒22	S 1
S 2	4 42 43	9°49'14	9♊51	22°45	26°39	19°58	0°20	4♊20	23♋ 2	9°10	10♉ 2	23♑55	25°35	27°20	22°24	S 2
M 3	4 46 39	10°50'11	25° 3	24°12	27°44	20°28	0°27	4°15	23° 0	9°11	10° 1	23°51	25°32	27°27	22°26	M 3
T 4	4 50 36	11°51'09	9♋59	25°39	28°48	20°57	0°35	4°10	22°59	9°13	10° 0	23°48	25°28	27°33	22°28	T 4
W 5	4 54 32	12°52'08	24°31	27° 8	29°53	21°27	0°43	4° 5	22°57	9°14	9°59	23°D47	25°25	27°40	22°30	W 5
T 6	4 58 29	13°53'08	8♌36	28°36	0♒57	21°56	0°50	4° 0	22°55	9°15	9°58	23°48	25°22	27°47	22°32	T 6
F 7	5 2 25	14°54'08	22°12	0♐ 6	2° 1	22°24	0°58	3°55	22°53	9°16	9°57	23°49	25°19	27°54	22°34	F 7
S 8	5 6 22	15°55'10	5♍22	1°36	3° 4	22°53	1° 6	3°51	22°51	9°17	9°56	23°51	25°16	28° 0	22°36	S 8
S 9	5 10 19	16°56'13	18° 8	3° 6	4° 7	23°22	1°15	3°46	22°49	9°18	9°55	23°R51	25°13	28° 7	22°38	S 9
M10	5 14 15	17°57'17	0♎35	4°36	5°10	23°50	1°23	3°41	22°47	9°19	9°54	23°50	25° 9	28°14	22°41	M10
T 11	5 18 12	18°58'22	12°46	6° 7	6°13	24°18	1°32	3°36	22°45	9°20	9°54	23°48	25° 6	28°20	22°43	T 11
W12	5 22 8	19°59'28	24°48	7°38	7°15	24°46	1°40	3°32	22°43	9°21	9°53	23°43	25° 3	28°27	22°45	W12
T 13	5 26 5	21° 0'35	6♏42	9°10	8°17	25°14	1°49	3°27	22°41	9°22	9°52	23°38	25° 0	28°34	22°48	T 13
F 14	5 30 1	22° 1'42	18°33	10°42	9°18	25°41	1°58	3°23	22°39	9°23	9°51	23°32	24°57	28°40	22°50	F 14
S 15	5 33 58	23° 2'51	0♐23	12°13	10°20	26° 8	2° 7	3°18	22°37	9°24	9°50	23°26	24°54	28°47	22°53	S 15
S 16	5 37 54	24° 4'00	12°15	13°46	11°20	26°35	2°17	3°14	22°35	9°25	9°50	23°21	24°50	28°54	22°55	S 16
M17	5 41 51	25° 5'09	24°10	15°18	12°21	27° 2	2°26	3° 9	22°33	9°26	9°49	23°16	24°47	29° 1	22°58	M17
T 18	5 45 48	26° 6'19	6♑10	16°51	13°20	27°29	2°36	3° 5	22°30	9°27	9°48	23°14	24°44	29° 7	23° 1	T 18
W19	5 49 44	27° 7'29	18°17	18°23	14°20	27°55	2°45	3° 1	22°28	9°28	9°47	23°D12	24°41	29°14	23° 3	W19
T 20	5 53 41	28° 8'39	0♒32	19°57	15°19	28°21	2°55	2°56	22°26	9°28	9°47	23°12	24°38	29°21	23° 6	T 20
F 21	5 57 37	29° 9'50	12°58	21°30	16°17	28°47	3° 5	2°52	22°23	9°29	9°46	23°14	24°35	29°27	23° 9	F 21
S 22	6 1 34	0♑11'00	25°37	23° 3	17°15	29°13	3°15	2°48	22°21	9°30	9°45	23°15	24°31	29°34	23°12	S 22
S 23	6 5 30	1°12'11	8♓31	24°37	18°13	29°38	3°25	2°44	22°19	9°31	9°45	23°17	24°28	29°41	23°15	S 23
M24	6 9 27	2°13'21	21°44	26°11	19°10	0♎ 3	3°35	2°40	22°16	9°31	9°44	23°18	24°25	29°47	23°18	M24
T 25	6 13 23	3°14'32	5♈17	27°46	20° 6	0°28	3°46	2°36	22°14	9°32	9°43	23°R18	24°22	29°54	23°21	T 25
W26	6 17 20	4°15'42	19°13	29°20	21° 2	0°53	3°56	2°32	22°11	9°32	9°43	23°18	24°19	0♐ 1	23°24	W26
T 27	6 21 17	5°16'52	3♉30	0♑55	21°57	1°17	4° 7	2°29	22° 9	9°33	9°42	23°16	24°15	0° 8	23°27	T 27
F 28	6 25 13	6°18'01	18° 7	2°30	22°51	1°41	4°18	2°25	22° 7	9°33	9°42	23°14	24°12	0°14	23°30	F 28
S 29	6 29 10	7°19'11	2♊58	4° 6	23°45	2° 5	4°29	2°21	22° 4	9°34	9°41	23°12	24° 9	0°21	23°33	S 29
S 30	6 33 6	8°20'20	17°58	5°42	24°38	2°28	4°39	2°18	22° 2	9°34	9°41	23°10	24° 6	0°28	23°36	S 30
M31	6 37 3	9♑21'30	2♋56	7♑18	25♒30	2♎52	4♓51	2♊14	21♋59	9♎35	9♉40	23♑ 9	24♑ 3	0♐34	23♒39	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s49	23n14	4n26	16s41	1n30	23s39	2s37	6n 1	2n 0	12s32	1s11	19n 6	2s 0	22n 1	0n30	2s13	1n32	0s13	15s51	21s21	21s 4	23s51	8s25	5n59
S 2	21 58	25 31	3 35	17 10	1 23	23 25	2 36	5 50	2 1	12 29	1 11	19 5	2 0	22 1	0 30	2 14	1 32	0 14	15 51	21 22	21 4	23 52	8 25	5 59
M 3	22 7	25 53	2 29	17 38	1 16	23 10	2 34	5 39	2 2	12 26	1 11	19 4	2 0	22 1	0 30	2 14	1 32	0 14	15 51	21 23	21 5	23 53	8 25	5 58
T 4	22 15	24 21	1 14	18 6	1 9	22 55	2 32	5 28	2 3	12 24	1 11	19 4	2 0	22 2	0 30	2 14	1 32	0 14	15 51	21 23	21 5	23 54	8 25	5 58
W 5	22 23	21 12	0s 4	18 34	1 1	22 39	2 30	5 18	2 4	12 21	1 11	19 3	2 0	22 2	0 30	2 15	1 32	0 14	15 51	21 23	21 6	23 55	8 24	5 58
T 6	22 31	16 52	1 20	19 1	0 54	22 23	2 28	5 7	2 4	12 18	1 10	19 2	2 0	22 2	0 30	2 15	1 33	0 14	15 50	21 23	21 7	23 56	8 24	5 57
F 7	22 38	11 48	2 28	19 27	0 47	22 7	2 25	4 56	2 5	12 15	1 10	19 1	2 0	22 3	0 30	2 16	1 33	0 14	15 50	21 23	21 7	23 57	8 24	5 57
S 8	22 45	6 21	3 27	19 53	0 39	21 49	2 23	4 46	2 6	12 12	1 10	19 0	1 59	22 3	0 30	2 16	1 33	0 14	15 50	21 23	21 8	23 58	8 23	5 56
S 9	22 51	0 49	4 13	20 18	0 32	21 32	2 20	4 35	2 7	12 9	1 10	19 0	1 59	22 3	0 30	2 17	1 33	0 14	15 50	21 23	21 8	24 0	8 23	5 56
M10	22 57	4s36	4 46	20 42	0 24	21 14	2 17	4 25	2 8	12 5	1 10	18 59	1 59	22 4	0 30	2 17	1 33	0 14	15 50	21 23	21 9	24 1	8 23	5 56
T 11	23 2	9 45	5 6	21 6	0 17	20 55	2 14	4 14	2 9	12 2	1 10	18 58	1 59	22 4	0 30	2 17	1 33	0 14	15 49	21 23	21 9	24 2	8 22	5 55
W12	23 7	14 27	5 11	21 28	0 10	20 36	2 11	4 4	2 10	11 59	1 9	18 57	1 59	22 4	0 31	2 18	1 33	0 14	15 49	21 24	21 10	24 3	8 22	5 55
T 13	23 11	18 33	5 3	21 49	0 3	20 17	2 7	3 54	2 10	11 56	1 9	18 57	1 59	22 5	0 31	2 18	1 33	0 14	15 49	21 25	21 11	24 4	8 21	5 55
F 14	23 15	21 54	4 43	22 10	0s 4	19 57	2 4	3 44	2 11	11 52	1 9	18 56	1 59	22 5	0 31	2 18	1 33	0 14	15 49	21 26	21 11	24 5	8 21	5 54
S 15	23 18	24 20	4 10	22 29	0 11	19 37	2 0	3 34	2 12	11 49	1 9	18 55	1 58	22 5	0 31	2 19	1 33	0 14	15 48	21 27	21 12	24 6	8 20	5 54
S 16	23 21	25 42	3 26	22 48	0 18	19 16	1 56	3 24	2 13	11 45	1 9	18 55	1 58	22 6	0 31	2 19	1 33	0 14	15 48	21 28	21 12	24 7	8 20	5 53
M17	23 24	25 54	2 33	23 5	0 25	18 55	1 52	3 14	2 14	11 42	1 9	18 54	1 58	22 6	0 31	2 19	1 33	0 14	15 48	21 29	21 13	24 8	8 19	5 53
T 18	23 26	24 53	1 32	23 21	0 31	18 34	1 48	3 4	2 15	11 38	1 9	18 53	1 58	22 7	0 31	2 19	1 33	0 14	15 48	21 29	21 13	24 9	8 19	5 53
W19	23 28	22 41	0 27	23 37	0 38	18 13	1 43	2 54	2 16	11 35	1 8	18 53	1 58	22 7	0 31	2 20	1 33	0 14	15 47	21 29	21 14	24 10	8 18	5 52
T 20	23 29	19 25	0n40	23 50	0 44	17 51	1 38	2 45	2 17	11 31	1 8	18 52	1 58	22 7	0 31	2 20	1 33	0 14	15 47	21 29	21 15	24 11	8 18	5 52
F 21	23 29	15 15	1 47	24 3	0 50	17 29	1 34	2 35	2 18	11 27	1 8	18 51	1 57	22 8	0 31	2 20	1 33	0 14	15 47	21 29	21 15	24 12	8 17	5 52
S 22	23 29	10 21	2 49	24 15	0 56	17 6	1 29	2 26	2 19	11 23	1 8	18 51	1 57	22 8	0 31	2 20	1 33	0 14	15 47	21 29	21 16	24 13	8 17	5 51
S 23	23 29	4 55	3 44	24 25	1 2	16 43	1 23	2 17	2 20	11 20	1 8	18 50	1 57	22 9	0 31	2 21	1 33	0 14	15 46	21 29	21 16	24 14	8 16	5 51
M24	23 28	0n50	4 29	24 34	1 8	16 20	1 18	2 8	2 20	11 16	1 8	18 50	1 57	22 9	0 31	2 21	1 34	0 14	15 46	21 28	21 17	24 15	8 15	5 51
T 25	23 27	6 42	5 0	24 41	1 13	15 57	1 12	1 58	2 21	11 12	1 8	18 49	1 57	22 9	0 31	2 21	1 34	0 14	15 46	21 28	21 17	24 16	8 15	5 50
W26	23 25	12 23	5 15	24 48	1 18	15 34	1 6	1 50	2 22	11 8	1 7	18 49	1 56	22 10	0 31	2 21	1 34	0 14	15 45	21 29	21 18	24 17	8 14	5 50
T 27	23 23	17 34	5 11	24 53	1 23	15 10	1 0	1 41	2 23	11 4	1 7	18 48	1 56	22 10	0 31	2 21	1 34	0 13	15 45	21 29	21 19	24 18	8 13	5 50
F 28	23 20	21 51	4 47	24 56	1 28	14 47	0 54	1 32	2 24	11 0	1 7	18 48	1 56	22 11	0 31	2 21	1 34	0 13	15 45	21 29	21 19	24 19	8 13	5 50
S 29	23 17	24 46	4 3	24 58	1 33	14 23	0 48	1 23	2 25	10 56	1 7	18 47	1 56	22 11	0 31	2 22	1 34	0 13	15 45	21 29	21 20	24 20	8 12	5 49
S 30	23 14	25 58	3 3	24 59	1 37	13 59	0 41	1 15	2 26	10 52	1 7	18 47	1 56	22 12	0 31	2 22	1 34	0 13	15 44	21 30	21 20	24 21	8 11	5 49
M31	23s10	25n17	1n50	24s58	1s41	13s35	0s34	1n 7	2n27	10s48	1s 7	18n46	1s55	22n12	0n31	2s22	1n34	0s13	15s44	21s30	21s21	24s22	8s10	5n49

Julian Day Number = 2312356.5, Delta T = 67.57 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'18, Lahiri = 18°32'18Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1619
geocentric

JANUARY 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 59	10♑22'39	17♋46	8♑55	26♒22	3♎14	5♓ 2	2°R11	21°R56	9♎35	9°R40	23°D 8	24♑ 0	0♐41	23♒43	T 1
W 2	6 44 56	11°23'48	2♌18	10°32	27°13	3°37	5°13	2♊ 8	21♋54	9°35	9♉39	23♑ 8	23°56	0°48	23°46	W 2
T 3	6 48 53	12°24'56	16°29	12°10	28° 3	3°59	5°24	2° 5	21°51	9°36	9°39	23° 9	23°53	0°54	23°49	T 3
F 4	6 52 49	13°26'05	0♍13	13°48	28°52	4°21	5°36	2° 2	21°49	9°36	9°38	23°10	23°50	1° 1	23°53	F 4
S 5	6 56 46	14°27'14	13°32	15°26	29°41	4°43	5°47	1°59	21°46	9°36	9°38	23°10	23°47	1° 8	23°56	S 5
S 6	7 0 42	15°28'22	26°26	17° 5	0♓28	5° 4	5°59	1°56	21°44	9°36	9°37	23°11	23°44	1°15	24° 0	S 6
M 7	7 4 39	16°29'31	8♎58	18°44	1°14	5°25	6°11	1°53	21°41	9°36	9°37	23°12	23°41	1°21	24° 3	M 7
T 8	7 8 35	17°30'39	21°14	20°24	2° 0	5°46	6°23	1°50	21°38	9°36	9°37	23°R12	23°37	1°28	24° 7	T 8
W 9	7 12 32	18°31'47	3♏16	22° 4	2°44	6° 6	6°34	1°48	21°36	9°37	9°36	23°11	23°34	1°35	24°10	W 9
T 10	7 16 28	19°32'55	15° 9	23°45	3°28	6°26	6°46	1°45	21°33	9°37	9°36	23°11	23°31	1°41	24°14	T 10
F 11	7 20 25	20°34'03	26°59	25°26	4°10	6°45	6°59	1°43	21°31	9°R37	9°36	23°11	23°28	1°48	24°17	F 11
S 12	7 24 22	21°35'11	8♐50	27° 8	4°52	7° 4	7°11	1°40	21°28	9°37	9°36	23°10	23°25	1°55	24°21	S 12
S 13	7 28 18	22°36'18	20°44	28°50	5°32	7°23	7°23	1°38	21°25	9°37	9°35	23°10	23°21	2° 1	24°25	S 13
M14	7 32 15	23°37'25	2♑44	0♒32	6°10	7°41	7°35	1°36	21°23	9°36	9°35	23°D10	23°18	2° 8	24°29	M14
T 15	7 36 11	24°38'31	14°54	2°14	6°48	7°59	7°48	1°34	21°20	9°36	9°35	23°10	23°15	2°15	24°32	T 15
W16	7 40 8	25°39'36	27°15	3°57	7°24	8°17	8° 0	1°32	21°18	9°36	9°35	23°R10	23°12	2°21	24°36	W16
T 17	7 44 4	26°40'41	9♒47	5°41	7°59	8°34	8°13	1°30	21°15	9°36	9°35	23°10	23° 9	2°28	24°40	T 17
F 18	7 48 1	27°41'45	22°33	7°24	8°32	8°50	8°26	1°29	21°12	9°36	9°34	23°10	23° 6	2°35	24°44	F 18
S 19	7 51 57	28°42'48	5♓31	9° 7	9° 4	9° 6	8°38	1°27	21°10	9°35	9°34	23° 9	23° 2	2°42	24°47	S 19
S 20	7 55 54	29°43'50	18°44	10°50	9°34	9°22	8°51	1°26	21° 7	9°35	9°34	23° 8	22°59	2°48	24°51	S 20
M21	7 59 51	0♒44'51	2♈ 9	12°33	10° 3	9°37	9° 4	1°24	21° 5	9°35	9°34	23° 8	22°56	2°55	24°55	M21
T 22	8 3 47	1°45'51	15°49	14°16	10°30	9°52	9°17	1°23	21° 2	9°34	9°34	23° 7	22°53	3° 2	24°59	T 22
W23	8 7 44	2°46'49	29°42	15°58	10°55	10° 6	9°30	1°22	20°59	9°34	9°D34	23°D 7	22°50	3° 8	25° 3	W23
T 24	8 11 40	3°47'47	13♉47	17°38	11°18	10°20	9°43	1°21	20°57	9°34	9°34	23° 7	22°46	3°15	25° 7	T 24
F 25	8 15 37	4°48'43	28° 4	19°18	11°40	10°33	9°56	1°20	20°54	9°33	9°34	23° 7	22°43	3°22	25°11	F 25
S 26	8 19 33	5°49'38	12♊30	20°56	11°59	10°46	10°10	1°19	20°52	9°33	9°34	23° 8	22°40	3°28	25°15	S 26
S 27	8 23 30	6°50'31	27° 0	22°33	12°16	10°58	10°23	1°19	20°49	9°32	9°34	23° 9	22°37	3°35	25°19	S 27
M28	8 27 26	7°51'24	11♋32	24° 7	12°32	11°10	10°36	1°18	20°47	9°32	9°34	23°10	22°34	3°42	25°23	M28
T 29	8 31 23	8°52'14	25°58	25°37	12°45	11°21	10°50	1°18	20°44	9°31	9°34	23°R10	22°31	3°48	25°27	T 29
W30	8 35 20	9°53'04	10♌14	27° 5	12°56	11°31	11° 3	1°17	20°42	9°30	9°35	23°10	22°27	3°55	25°31	W30
T 31	8 39 16	10♒53'53	24♌15	28♒28	13♓ 5	11♎41	11♓16	1♊17	20♋40	9♎30	9♉35	23♑ 8	22♑24	4♐ 2	25♒35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 5	22n48	0n30	24s56	1s45	13s11	0s27	0n58	2n28	10s43	1s 7	18n46	1s55	22n12	0n31	2s22	1n34	0s13	15s44	21s30	21s21	24s22	8s10	5n48
W 2	23 0	18 52	0s51	24 52	1 49	12 46	0 20	0 50	2 29	10 39	1 7	18 45	1 55	22 13	0 31	2 22	1 34	0 13	15 43	21 30	21 22	24 23	8 9	5 48
T 3	22 55	13 56	2 6	24 47	1 52	12 22	0 12	0 42	2 30	10 35	1 7	18 45	1 55	22 13	0 31	2 22	1 34	0 12	15 43	21 30	21 22	24 24	8 8	5 48
F 4	22 49	8 26	3 12	24 41	1 55	11 58	0 4	0 35	2 31	10 30	1 6	18 44	1 54	22 14	0 31	2 22	1 34	0 12	15 43	21 30	21 23	24 25	8 7	5 48
S 5	22 42	2 43	4 5	24 32	1 57	11 33	0n 4	0 27	2 32	10 26	1 6	18 44	1 54	22 14	0 31	2 22	1 34	0 12	15 42	21 30	21 24	24 26	8 6	5 47
S 6	22 35	2s55	4 44	24 22	2 0	11 9	0 12	0 19	2 33	10 22	1 6	18 44	1 54	22 15	0 31	2 22	1 34	0 12	15 42	21 30	21 24	24 27	8 5	5 47
M 7	22 28	8 16	5 8	24 11	2 2	10 45	0 20	0 12	2 34	10 17	1 6	18 43	1 54	22 15	0 31	2 22	1 34	0 12	15 42	21 30	21 25	24 28	8 4	5 47
T 8	22 20	13 11	5 17	23 58	2 3	10 20	0 29	0 5	2 35	10 13	1 6	18 43	1 54	22 15	0 31	2 22	1 34	0 12	15 41	21 30	21 25	24 29	8 4	5 46
W 9	22 12	17 31	5 12	23 43	2 4	9 56	0 38	0s 2	2 36	10 8	1 6	18 43	1 53	22 16	0 31	2 22	1 34	0 11	15 41	21 30	21 26	24 30	8 3	5 46
T 10	22 4	21 6	4 54	23 27	2 5	9 32	0 47	0 9	2 37	10 4	1 6	18 43	1 53	22 16	0 31	2 22	1 35	0 11	15 41	21 30	21 26	24 30	8 2	5 46
F 11	21 55	23 48	4 24	23 9	2 6	9 8	0 56	0 16	2 38	9 59	1 6	18 42	1 53	22 17	0 31	2 22	1 35	0 11	15 40	21 30	21 27	24 31	8 1	5 46
S 12	21 45	25 29	3 42	22 50	2 6	8 44	1 6	0 23	2 39	9 54	1 6	18 42	1 53	22 17	0 31	2 22	1 35	0 11	15 40	21 30	21 27	24 32	8 0	5 45
S 13	21 35	26 0	2 51	22 29	2 5	8 20	1 15	0 29	2 40	9 50	1 6	18 42	1 52	22 17	0 31	2 22	1 35	0 10	15 40	21 30	21 28	24 33	7 59	5 45
M14	21 25	25 19	1 51	22 6	2 4	7 57	1 25	0 35	2 41	9 45	1 5	18 42	1 52	22 18	0 31	2 22	1 35	0 10	15 39	21 30	21 28	24 34	7 58	5 45
T 15	21 14	23 25	0 46	21 42	2 3	7 33	1 36	0 41	2 42	9 40	1 5	18 42	1 52	22 18	0 31	2 22	1 35	0 10	15 39	21 30	21 29	24 35	7 57	5 45
W16	21 3	20 23	0n23	21 16	2 1	7 10	1 46	0 47	2 43	9 36	1 5	18 41	1 52	22 19	0 31	2 22	1 35	0 10	15 39	21 30	21 29	24 35	7 56	5 45
T 17	20 52	16 22	1 31	20 48	1 58	6 47	1 57	0 53	2 45	9 31	1 5	18 41	1 51	22 19	0 31	2 21	1 35	0 9	15 38	21 30	21 30	24 36	7 55	5 44
F 18	20 40	11 34	2 36	20 19	1 55	6 25	2 8	0 58	2 46	9 26	1 5	18 41	1 51	22 20	0 31	2 21	1 35	0 9	15 38	21 30	21 31	24 37	7 54	5 44
S 19	20 28	6 11	3 34	19 48	1 51	6 3	2 19	1 4	2 47	9 21	1 5	18 41	1 51	22 20	0 31	2 21	1 35	0 9	15 38	21 30	21 31	24 38	7 53	5 44
S 20	20 15	0 27	4 22	19 16	1 47	5 41	2 30	1 9	2 48	9 16	1 5	18 41	1 50	22 20	0 31	2 21	1 35	0 8	15 37	21 30	21 32	24 39	7 51	5 44
M21	20 2	5n23	4 56	18 42	1 42	5 19	2 42	1 14	2 49	9 11	1 5	18 41	1 50	22 21	0 31	2 21	1 35	0 8	15 37	21 30	21 32	24 39	7 50	5 44
T 22	19 49	11 4	5 14	18 7	1 36	4 58	2 53	1 19	2 50	9 6	1 5	18 41	1 50	22 21	0 31	2 21	1 35	0 8	15 37	21 30	21 33	24 40	7 49	5 43
W23	19 35	16 17	5 15	17 31	1 30	4 38	3 5	1 23	2 51	9 1	1 5	18 41	1 50	22 22	0 31	2 20	1 35	0 7	15 36	21 30	21 33	24 41	7 48	5 43
T 24	19 21	20 43	4 57	16 54	1 23	4 18	3 18	1 28	2 52	8 56	1 5	18 41	1 49	22 22	0 31	2 20	1 35	0 7	15 36	21 30	21 34	24 42	7 47	5 43
F 25	19 6	24 0	4 20	16 15	1 15	3 58	3 30	1 32	2 53	8 51	1 5	18 41	1 49	22 22	0 31	2 20	1 35	0 7	15 36	21 30	21 34	24 42	7 46	5 43
S 26	18 51	25 45	3 27	15 36	1 6	3 39	3 42	1 36	2 54	8 46	1 4	18 41	1 49	22 23	0 31	2 20	1 35	0 6	15 35	21 30	21 35	24 43	7 45	5 43
S 27	18 36	25 47	2 20	14 55	0 57	3 21	3 55	1 40	2 55	8 41	1 4	18 42	1 49	22 23	0 31	2 19	1 36	0 6	15 35	21 30	21 35	24 44	7 44	5 43
M28	18 21	24 3	1 4	14 15	0 47	3 3	4 8	1 43	2 56	8 36	1 4	18 42	1 48	22 23	0 31	2 19	1 36	0 6	15 35	21 30	21 36	24 45	7 42	5 42
T 29	18 5	20 45	0s15	13 34	0 36	2 46	4 21	1 47	2 57	8 31	1 4	18 42	1 48	22 24	0 31	2 19	1 36	0 5	15 34	21 30	21 36	24 45	7 41	5 42
W30	17 49	16 13	1 33	12 53	0 24	2 30	4 34	1 50	2 58	8 26	1 4	18 42	1 48	22 24	0 31	2 19	1 36	0 5	15 34	21 30	21 37	24 46	7 40	5 42
T 31	17s32	10n54	2s43	12s12	0s11	2s14	4n47	1s53	3n 0	8s20	1s 4	18n42	1s48	22n25	0n31	2s18	1n36	0s 5	15s34	21s30	21s37	24s47	7s39	5n42

Julian Day Number = 2312387.5, Delta T = 67.49 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'22, Lahiri = 18°32'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

FEBRUARY 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 43 13	11♒54'40	7♍56	29♒47	13♓11	11♎51	11♓30	1°D17	20°R37	9°R29	9♉35	23°R 6	22♑21	4♐ 9	25♒39	F 1
S 2	8 47 9	12°55'26	21°16	1♓ 0	13°15	11°59	11°44	1♊17	20♋35	9♎28	9°35	23♑ 3	22°18	4°15	25°43	S 2
S 3	8 51 6	13°56'11	4♎13	2° 7	13°R16	12° 8	11°57	1°17	20°33	9°28	9°35	23° 0	22°15	4°22	25°47	S 3
M 4	8 55 2	14°56'55	16°50	3° 7	13°15	12°15	12°11	1°17	20°30	9°27	9°36	22°57	22°12	4°29	25°51	M 4
T 5	8 58 59	15°57'38	29° 9	4° 0	13°12	12°22	12°25	1°18	20°28	9°26	9°36	22°55	22° 8	4°35	25°56	T 5
W 6	9 2 55	16°58'19	11♏14	4°44	13° 6	12°28	12°39	1°18	20°26	9°25	9°36	22°54	22° 5	4°42	26° 0	W 6
T 7	9 6 52	17°59'00	23° 9	5°19	12°58	12°34	12°52	1°19	20°23	9°24	9°36	22°D54	22° 2	4°49	26° 4	T 7
F 8	9 10 49	18°59'40	5♐ 0	5°44	12°47	12°39	13° 6	1°20	20°21	9°23	9°37	22°55	21°59	4°55	26° 8	F 8
S 9	9 14 45	20° 0'18	16°51	5°59	12°33	12°43	13°20	1°20	20°19	9°23	9°37	22°56	21°56	5° 2	26°12	S 9
S 10	9 18 42	21° 0'55	28°46	6°R 4	12°17	12°47	13°34	1°21	20°17	9°22	9°38	22°58	21°52	5° 9	26°16	S 10
M11	9 22 38	22° 1'31	10♑51	5°58	11°59	12°50	13°48	1°22	20°15	9°21	9°38	23° 0	21°49	5°15	26°20	M11
T 12	9 26 35	23° 2'06	23° 9	5°42	11°38	12°52	14° 2	1°24	20°13	9°20	9°38	23°R 0	21°46	5°22	26°24	T 12
W13	9 30 31	24° 2'39	5♒42	5°16	11°15	12°54	14°16	1°25	20°11	9°19	9°39	22°59	21°43	5°29	26°29	W13
T 14	9 34 28	25° 3'10	18°33	4°40	10°50	12°54	14°30	1°26	20° 9	9°18	9°39	22°57	21°40	5°35	26°33	T 14
F 15	9 38 24	26° 3'40	1♓41	3°56	10°23	12°R54	14°45	1°28	20° 7	9°16	9°40	22°53	21°37	5°42	26°37	F 15
S 16	9 42 21	27° 4'08	15° 5	3° 5	9°54	12°54	14°59	1°29	20° 5	9°15	9°40	22°48	21°33	5°49	26°41	S 16
S 17	9 46 18	28° 4'35	28°44	2° 8	9°23	12°52	15°13	1°31	20° 3	9°14	9°41	22°42	21°30	5°56	26°45	S 17
M18	9 50 14	29° 5'00	12♈34	1° 7	8°50	12°50	15°27	1°33	20° 1	9°13	9°41	22°36	21°27	6° 2	26°49	M18
T 19	9 54 11	0♓ 5'22	26°33	0° 3	8°16	12°47	15°41	1°35	19°59	9°12	9°42	22°31	21°24	6° 9	26°54	T 19
W20	9 58 7	1° 5'43	10♉37	28♒58	7°41	12°43	15°56	1°37	19°57	9°11	9°42	22°28	21°21	6°16	26°58	W20
T 21	10 2 4	2° 6'02	24°45	27°53	7° 5	12°39	16°10	1°39	19°55	9° 9	9°43	22°26	21°18	6°22	27° 2	T 21
F 22	10 6 0	3° 6'19	8♊54	26°50	6°28	12°33	16°24	1°41	19°54	9° 8	9°44	22°D26	21°14	6°29	27° 6	F 22
S 23	10 9 57	4° 6'34	23° 2	25°51	5°51	12°27	16°39	1°43	19°52	9° 7	9°44	22°27	21°11	6°36	27°10	S 23
S 24	10 13 53	5° 6'47	7♋ 9	24°56	5°13	12°20	16°53	1°46	19°50	9° 6	9°45	22°28	21° 8	6°42	27°14	S 24
M25	10 17 50	6° 6'58	21°12	24° 6	4°35	12°13	17° 7	1°49	19°49	9° 4	9°46	22°R29	21° 5	6°49	27°18	M25
T 26	10 21 47	7° 7'06	5♌ 9	23°22	3°58	12° 4	17°22	1°51	19°47	9° 3	9°46	22°28	21° 2	6°56	27°22	T 26
W27	10 25 43	8° 7'13	18°59	22°45	3°21	11°55	17°36	1°54	19°46	9° 2	9°47	22°25	20°58	7° 2	27°27	W27
T 28	10 29 40	9♓ 7'17	2♍37	22♒14	2♓45	11♎45	17♓51	1♊57	19♋44	9♎ 0	9♉48	22♑20	20♑55	7♐ 9	27♒31	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	17s15	5n10	3s43	11s32	0n 2	2s 0	5n 0	1s55	3n 1	8s15	1s 4	18n43	1s47	22n25	0n31	2s18	1n36	0s 4	15s33	21s30	21s38	24s47	7s38	5n42	F 1
S 2	16 58	0s38	4 28	10 53	0 17	1 46	5 14	1 58	3 2	8 10	1 4	18 43	1 47	22 25	0 31	2 18	1 36	0 4	15 33	21 31	21 38	24 48	7 36	5 42	S 2
S 3	16 41	6 15	4 58	10 15	0 31	1 33	5 27	2 0	3 3	8 5	1 4	18 43	1 47	22 26	0 31	2 17	1 36	0 4	15 33	21 32	21 39	24 49	7 35	5 42	S 3
M 4	16 23	11 27	5 13	9 39	0 47	1 21	5 40	2 2	3 4	7 59	1 4	18 43	1 46	22 26	0 31	2 17	1 36	0 3	15 32	21 32	21 39	24 50	7 34	5 42	M 4
T 5	16 5	16 4	5 13	9 6	1 2	1 10	5 53	2 4	3 5	7 54	1 4	18 44	1 46	22 26	0 31	2 17	1 36	0 3	15 32	21 32	21 40	24 50	7 33	5 41	T 5
W 6	15 47	19 58	4 59	8 35	1 19	1 1	6 7	2 5	3 6	7 49	1 4	18 44	1 46	22 27	0 31	2 16	1 36	0 2	15 32	21 33	21 40	24 51	7 31	5 41	W 6
T 7	15 28	22 59	4 32	8 7	1 35	0 52	6 19	2 6	3 7	7 43	1 4	18 45	1 46	22 27	0 31	2 16	1 36	0 2	15 31	21 33	21 41	24 52	7 30	5 41	T 7
F 8	15 10	25 1	3 54	7 42	1 51	0 44	6 32	2 7	3 8	7 38	1 4	18 45	1 45	22 27	0 31	2 15	1 36	0 1	15 31	21 32	21 42	24 52	7 29	5 41	F 8
S 9	14 51	25 55	3 6	7 22	2 7	0 38	6 45	2 8	3 9	7 33	1 4	18 45	1 45	22 28	0 31	2 15	1 36	0 1	15 31	21 32	21 42	24 53	7 27	5 41	S 9
S 10	14 31	25 38	2 9	7 5	2 23	0 32	6 57	2 9	3 10	7 27	1 4	18 46	1 45	22 28	0 31	2 15	1 36	0 1	15 30	21 32	21 43	24 53	7 26	5 41	S 10
M11	14 12	24 9	1 6	6 53	2 38	0 28	7 9	2 9	3 11	7 22	1 4	18 46	1 45	22 28	0 31	2 14	1 36	0 0	15 30	21 32	21 43	24 54	7 25	5 41	M11
T 12	13 52	21 29	0n 1	6 46	2 52	0 25	7 20	2 9	3 12	7 16	1 4	18 47	1 44	22 29	0 31	2 14	1 36	0n 0	15 29	21 31	21 44	24 55	7 24	5 41	T 12
W13	13 32	17 46	1 9	6 44	3 5	0 24	7 31	2 9	3 13	7 11	1 4	18 47	1 44	22 29	0 31	2 13	1 36	0 1	15 29	21 32	21 44	24 55	7 22	5 41	W13
T 14	13 12	13 9	2 15	6 46	3 17	0 24	7 42	2 8	3 14	7 5	1 4	18 48	1 44	22 29	0 31	2 13	1 36	0 1	15 29	21 32	21 45	24 56	7 21	5 41	T 14
F 15	12 51	7 51	3 16	6 53	3 26	0 25	7 52	2 7	3 15	7 0	1 4	18 48	1 44	22 29	0 31	2 12	1 36	0 2	15 29	21 33	21 45	24 57	7 20	5 41	F 15
S 16	12 31	2 6	4 6	7 4	3 34	0 27	8 1	2 6	3 16	6 54	1 4	18 49	1 43	22 30	0 31	2 12	1 37	0 2	15 28	21 34	21 46	24 57	7 18	5 41	S 16
S 17	12 10	3n50	4 44	7 19	3 40	0 30	8 9	2 5	3 16	6 49	1 4	18 50	1 43	22 30	0 31	2 11	1 37	0 3	15 28	21 34	21 46	24 58	7 17	5 41	S 17
M18	11 49	9 40	5 6	7 37	3 44	0 35	8 17	2 3	3 17	6 43	1 4	18 50	1 43	22 30	0 31	2 11	1 37	0 3	15 28	21 35	21 47	24 58	7 15	5 41	M18
T 19	11 28	15 4	5 10	7 58	3 45	0 41	8 24	2 1	3 18	6 38	1 4	18 51	1 42	22 31	0 31	2 10	1 37	0 3	15 27	21 36	21 47	24 59	7 14	5 41	T 19
W20	11 6	19 42	4 55	8 22	3 44	0 48	8 30	1 59	3 19	6 32	1 3	18 52	1 42	22 31	0 31	2 10	1 37	0 4	15 27	21 37	21 48	24 59	7 13	5 41	W20
T 21	10 45	23 14	4 23	8 47	3 41	0 57	8 35	1 57	3 20	6 27	1 3	18 52	1 42	22 31	0 31	2 9	1 37	0 4	15 27	21 37	21 48	25 0	7 11	5 40	T 21
F 22	10 23	25 22	3 34	9 13	3 35	1 6	8 40	1 54	3 20	6 21	1 3	18 53	1 42	22 31	0 31	2 9	1 37	0 5	15 26	21 37	21 49	25 1	7 10	5 40	F 22
S 23	10 1	25 51	2 33	9 40	3 28	1 17	8 43	1 51	3 21	6 15	1 3	18 54	1 41	22 32	0 31	2 8	1 37	0 5	15 26	21 37	21 49	25 1	7 9	5 40	S 23
S 24	9 39	24 40	1 22	10 6	3 20	1 28	8 45	1 48	3 22	6 10	1 3	18 54	1 41	22 32	0 31	2 8	1 37	0 6	15 26	21 37	21 50	25 2	7 7	5 40	S 24
M25	9 17	21 56	0 7	10 32	3 10	1 40	8 47	1 44	3 22	6 4	1 3	18 55	1 41	22 32	0 31	2 7	1 37	0 6	15 25	21 37	21 50	25 2	7 6	5 40	M25
T 26	8 55	17 55	1s 8	10 57	2 58	1 53	8 47	1 40	3 23	5 59	1 3	18 56	1 41	22 32	0 31	2 7	1 37	0 7	15 25	21 37	21 51	25 3	7 4	5 40	T 26
W27	8 33	12 58	2 18	11 21	2 46	2 7	8 46	1 36	3 23	5 53	1 3	18 57	1 40	22 32	0 31	2 6	1 37	0 7	15 25	21 37	21 51	25 3	7 3	5 40	W27
T 28	8s10	7n28	3s19	11s43	2n33	2s21	8n45	1s32	3n24	5s47	1s 3	18n58	1s40	22n33	0n31	2s 5	1n37	0n 8	15s24	21s38	21s51	25s 4	7s 2	5n41	T 28

Julian Day Number = 2312418.5, Delta T = 67.41 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'26, Lahiri = 18°32'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

MARCH 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 33 36	10♓ 7'20	16♍ 2	21°R51	2°R10	11°R35	18♓ 5	2♊ 0	19°R43	8°R59	9♉48	22°R13	20♑52	7♐16	27♒35	F 1
S 2	10 37 33	11° 7'21	29°11	21♒34	1♓36	11♎23	18°20	2° 3	19♋42	8♎58	9°49	22♑ 5	20°49	7°22	27°39	S 2
S 3	10 41 29	12° 7'19	12♎ 3	21°24	1° 4	11°11	18°34	2° 6	19°40	8°56	9°50	21°55	20°46	7°29	27°43	S 3
M 4	10 45 26	13° 7'17	24°38	21°D21	0°33	10°58	18°49	2° 9	19°39	8°55	9°51	21°47	20°43	7°36	27°47	M 4
T 5	10 49 22	14° 7'12	6♏57	21°23	0° 4	10°44	19° 3	2°13	19°38	8°53	9°52	21°39	20°39	7°42	27°51	T 5
W 6	10 53 19	15° 7'06	19° 2	21°32	29♒37	10°30	19°18	2°16	19°37	8°52	9°52	21°33	20°36	7°49	27°55	W 6
T 7	10 57 16	16° 6'58	0♐58	21°47	29°13	10°15	19°32	2°20	19°36	8°50	9°53	21°30	20°33	7°56	27°59	T 7
F 8	11 1 12	17° 6'48	12°48	22° 7	28°50	9°59	19°47	2°23	19°34	8°49	9°54	21°D28	20°30	8° 2	28° 3	F 8
S 9	11 5 9	18° 6'37	24°38	22°32	28°30	9°43	20° 1	2°27	19°33	8°47	9°55	21°28	20°27	8° 9	28° 7	S 9
S 10	11 9 5	19° 6'24	6♑34	23° 1	28°12	9°25	20°16	2°31	19°33	8°46	9°56	21°29	20°24	8°16	28°11	S 10
M11	11 13 2	20° 6'09	18°40	23°36	27°57	9° 8	20°30	2°35	19°32	8°44	9°57	21°R30	20°20	8°23	28°15	M11
T 12	11 16 58	21° 5'53	1♒ 1	24°14	27°44	8°49	20°45	2°39	19°31	8°43	9°58	21°29	20°17	8°29	28°19	T 12
W13	11 20 55	22° 5'34	13°42	24°56	27°33	8°30	20°59	2°43	19°30	8°41	9°59	21°27	20°14	8°36	28°23	W13
T 14	11 24 51	23° 5'14	26°45	25°42	27°25	8°11	21°14	2°47	19°29	8°40	10° 0	21°22	20°11	8°43	28°26	T 14
F 15	11 28 48	24° 4'52	10♓10	26°32	27°20	7°51	21°28	2°52	19°28	8°38	10° 1	21°15	20° 8	8°49	28°30	F 15
S 16	11 32 44	25° 4'28	23°58	27°25	27°17	7°30	21°43	2°56	19°28	8°36	10° 2	21° 5	20° 4	8°56	28°34	S 16
S 17	11 36 41	26° 4'01	8♈ 3	28°20	27°D16	7° 9	21°57	3° 1	19°27	8°35	10° 3	20°55	20° 1	9° 3	28°38	S 17
M18	11 40 38	27° 3'33	22°22	29°19	27°18	6°48	22°12	3° 5	19°27	8°33	10° 4	20°44	19°58	9° 9	28°42	M18
T 19	11 44 34	28° 3'03	6♉48	0♓20	27°22	6°26	22°26	3°10	19°26	8°32	10° 5	20°35	19°55	9°16	28°45	T 19
W20	11 48 31	29° 2'30	21°15	1°24	27°28	6° 4	22°41	3°15	19°26	8°30	10° 6	20°28	19°52	9°23	28°49	W20
T 21	11 52 27	0♈ 1'55	5♊38	2°30	27°37	5°41	22°55	3°20	19°25	8°28	10° 7	20°23	19°49	9°29	28°53	T 21
F 22	11 56 24	1° 1'18	19°53	3°39	27°47	5°19	23°10	3°24	19°25	8°27	10° 8	20°21	19°45	9°36	28°56	F 22
S 23	12 0 20	2° 0'38	3♋58	4°50	28° 0	4°56	23°24	3°29	19°25	8°25	10° 9	20°D20	19°42	9°43	29° 0	S 23
S 24	12 4 17	2°59'56	17°53	6° 3	28°15	4°33	23°39	3°35	19°24	8°23	10°10	20°R21	19°39	9°49	29° 4	S 24
M25	12 8 13	3°59'12	1♌38	7°18	28°32	4°10	23°53	3°40	19°24	8°22	10°11	20°20	19°36	9°56	29° 7	M25
T 26	12 12 10	4°58'25	15°12	8°35	28°51	3°47	24° 7	3°45	19°24	8°20	10°12	20°18	19°33	10° 3	29°11	T 26
W27	12 16 7	5°57'36	28°36	9°53	29°11	3°23	24°22	3°50	19°24	8°18	10°14	20°13	19°29	10° 9	29°14	W27
T 28	12 20 3	6°56'45	11♍50	11°14	29°34	3° 0	24°36	3°56	19°D24	8°17	10°15	20° 5	19°26	10°16	29°18	T 28
F 29	12 24 0	7°55'51	24°53	12°36	29°58	2°37	24°51	4° 1	19°24	8°15	10°16	19°55	19°23	10°23	29°21	F 29
S 30	12 27 56	8°54'56	7♎44	14° 1	0♓24	2°14	25° 5	4° 7	19°24	8°14	10°17	19°43	19°20	10°29	29°25	S 30
S 31	12 31 53	9♈53'58	20♎22	15♓26	0♓51	1♎51	25♓19	4♊12	19♋24	8♎12	10♉18	19♑29	19♑17	10♐36	29♒28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s47	1n42	4s 8	12s 3	2n20	2s36	8n42	1s27	3n24	5s42	1s 3	18n58	1s40	22n33	0n31	2s 5	1n37	0n 8	15s24	21s39	21s52	25s 4	7s 0	5n41
S 2	7 25	4s 0	4 43	12 22	2 6	2 51	8 39	1 23	3 24	5 36	1 3	18 59	1 40	22 33	0 31	2 4	1 37	0 9	15 24	21 41	21 52	25 5	6 59	5 41
S 3	7 2	9 24	5 2	12 38	1 52	3 6	8 34	1 18	3 25	5 30	1 3	19 0	1 39	22 33	0 31	2 4	1 37	0 9	15 24	21 42	21 53	25 5	6 57	5 41
M 4	6 39	14 18	5 6	12 53	1 38	3 21	8 29	1 12	3 25	5 25	1 3	19 1	1 39	22 33	0 31	2 3	1 37	0 10	15 23	21 43	21 53	25 6	6 56	5 41
T 5	6 16	18 31	4 56	13 5	1 24	3 37	8 23	1 7	3 25	5 19	1 3	19 2	1 39	22 33	0 31	2 3	1 37	0 10	15 23	21 45	21 54	25 6	6 55	5 41
W 6	5 53	21 53	4 32	13 15	1 10	3 52	8 16	1 1	3 25	5 13	1 4	19 3	1 39	22 34	0 31	2 2	1 37	0 11	15 23	21 46	21 54	25 7	6 53	5 41
T 7	5 29	24 16	3 57	13 24	0 56	4 7	8 9	0 55	3 25	5 7	1 4	19 4	1 38	22 34	0 31	2 1	1 37	0 11	15 22	21 46	21 55	25 7	6 52	5 41
F 8	5 6	25 34	3 12	13 30	0 43	4 23	8 1	0 49	3 25	5 2	1 4	19 5	1 38	22 34	0 31	2 1	1 37	0 12	15 22	21 46	21 55	25 8	6 50	5 41
S 9	4 43	25 42	2 19	13 34	0 29	4 37	7 53	0 43	3 25	4 56	1 4	19 6	1 38	22 34	0 31	2 0	1 37	0 12	15 22	21 46	21 56	25 8	6 49	5 41
S 10	4 19	24 39	1 19	13 36	0 17	4 52	7 44	0 36	3 25	4 50	1 4	19 7	1 38	22 34	0 31	1 59	1 37	0 13	15 22	21 46	21 56	25 9	6 48	5 41
M11	3 56	22 26	0 15	13 37	0 4	5 6	7 34	0 29	3 25	4 45	1 4	19 8	1 37	22 34	0 31	1 59	1 37	0 14	15 21	21 46	21 57	25 9	6 46	5 41
T 12	3 32	19 9	0n51	13 35	0s 7	5 20	7 24	0 22	3 25	4 39	1 4	19 9	1 37	22 34	0 31	1 58	1 37	0 14	15 21	21 46	21 57	25 9	6 45	5 41
W13	3 9	14 54	1 56	13 32	0 19	5 33	7 14	0 15	3 24	4 33	1 4	19 10	1 37	22 34	0 31	1 58	1 37	0 15	15 21	21 47	21 58	25 10	6 43	5 41
T 14	2 45	9 52	2 57	13 27	0 30	5 46	7 3	0 8	3 24	4 28	1 4	19 11	1 37	22 35	0 31	1 57	1 37	0 15	15 21	21 47	21 58	25 10	6 42	5 41
F 15	2 21	4 14	3 49	13 20	0 40	5 58	6 52	0 0	3 23	4 22	1 4	19 12	1 36	22 35	0 31	1 56	1 37	0 16	15 20	21 48	21 59	25 11	6 41	5 41
S 16	1 58	1n44	4 30	13 11	0 50	6 9	6 41	0n 7	3 23	4 16	1 4	19 13	1 36	22 35	0 31	1 56	1 37	0 16	15 20	21 50	21 59	25 11	6 39	5 41
S 17	1 34	7 43	4 55	13 1	1 0	6 20	6 30	0 15	3 22	4 10	1 4	19 14	1 36	22 35	0 31	1 55	1 37	0 17	15 20	21 52	22 0	25 11	6 38	5 42
M18	1 10	13 24	5 3	12 49	1 9	6 30	6 19	0 22	3 21	4 5	1 4	19 15	1 36	22 35	0 31	1 54	1 37	0 17	15 20	21 53	22 0	25 12	6 36	5 42
T 19	0 47	18 23	4 51	12 35	1 18	6 40	6 7	0 30	3 20	3 59	1 4	19 16	1 36	22 35	0 31	1 54	1 37	0 18	15 19	21 55	22 1	25 12	6 35	5 42
W20	0 23	22 18	4 21	12 20	1 26	6 48	5 56	0 38	3 19	3 53	1 4	19 17	1 35	22 35	0 31	1 53	1 38	0 18	15 19	21 56	22 1	25 13	6 34	5 42
T 21	0n 1	24 48	3 34	12 3	1 33	6 57	5 44	0 46	3 18	3 48	1 4	19 19	1 35	22 35	0 31	1 52	1 38	0 19	15 19	21 56	22 1	25 13	6 32	5 42
F 22	0 24	25 40	2 34	11 45	1 41	7 4	5 32	0 54	3 17	3 42	1 4	19 20	1 35	22 35	0 30	1 52	1 38	0 19	15 19	21 57	22 2	25 13	6 31	5 42
S 23	0 48	24 52	1 26	11 25	1 47	7 10	5 21	1 2	3 16	3 36	1 4	19 21	1 35	22 35	0 30	1 51	1 38	0 20	15 18	21 57	22 2	25 14	6 30	5 42
S 24	1 12	22 30	0 13	11 4	1 53	7 16	5 9	1 10	3 15	3 31	1 4	19 22	1 34	22 35	0 30	1 50	1 38	0 20	15 18	21 57	22 3	25 14	6 28	5 42
M25	1 35	18 52	1s 0	10 42	1 59	7 21	4 57	1 18	3 13	3 25	1 4	19 23	1 34	22 35	0 30	1 50	1 38	0 21	15 18	21 57	22 3	25 14	6 27	5 43
T 26	1 59	14 17	2 8	10 17	2 4	7 26	4 46	1 26	3 12	3 19	1 4	19 24	1 34	22 35	0 30	1 49	1 38	0 21	15 18	21 57	22 4	25 15	6 26	5 43
W27	2 22	9 3	3 8	9 52	2 9	7 29	4 35	1 33	3 10	3 14	1 4	19 26	1 34	22 35	0 30	1 48	1 38	0 22	15 18	21 58	22 4	25 15	6 24	5 43
T 28	2 46	3 29	3 57	9 25	2 13	7 32	4 23	1 41	3 8	3 8	1 4	19 27	1 34	22 35	0 30	1 48	1 38	0 23	15 17	21 59	22 5	25 15	6 23	5 43
F 29	3 9	2s 8	4 33	8 57	2 17	7 34	4 12	1 49	3 7	3 2	1 4	19 28	1 33	22 35	0 30	1 47	1 38	0 23	15 17	22 1	22 5	25 16	6 21	5 43
S 30	3 32	7 34	4 54	8 28	2 20	7 36	4 1	1 56	3 5	2 57	1 4	19 29	1 33	22 35	0 30	1 46	1 38	0 24	15 17	22 2	22 6	25 16	6 20	5 43
S 31	3n56	12s36	5s 0	7s57	2s23	7s36	3n50	2n 4	3n 3	2s51	1s 4	19n30	1s33	22n35	0n30	1s46	1n38	0n24	15s17	22s 4	22s 6	25s16	6s19	5n44

Julian Day Number = 2312446.5, Delta T = 67.34 sec
Ecliptic obliquity = 23°29'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'30, Lahiri = 18°32'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

APRIL 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 35 49	10♈52'58	2♏47	16♓54	1♓21	1°R28	25♓33	4♊18	19♋24	8°R10	10♉20	19°R16	19♐14	10♐43	29♒31	M 1
T 2	12 39 46	11°51'56	15° 0	18°23	1°51	1♎ 6	25°48	4°24	19°25	8♎ 9	10°21	19♐ 4	19°10	10°49	29°35	T 2
W 3	12 43 42	12°50'53	27° 2	19°54	2°23	0°44	26° 2	4°29	19°25	8° 7	10°22	18°55	19° 7	10°56	29°38	W 3
T 4	12 47 39	13°49'48	8♐55	21°26	2°57	0°22	26°16	4°35	19°25	8° 5	10°23	18°48	19° 4	11° 3	29°41	T 4
F 5	12 51 36	14°48'41	20°45	23° 0	3°32	0° 0	26°30	4°41	19°26	8° 4	10°24	18°44	19° 1	11° 9	29°45	F 5
S 6	12 55 32	15°47'32	2♑34	24°36	4° 8	29♏39	26°44	4°47	19°26	8° 2	10°26	18°42	18°58	11°16	29°48	S 6
S 7	12 59 29	16°46'21	14°28	26°13	4°45	29°18	26°58	4°53	19°27	8° 0	10°27	18°42	18°55	11°23	29°51	S 7
M 8	13 3 25	17°45'09	26°33	27°52	5°24	28°58	27°12	4°59	19°27	7°59	10°28	18°42	18°51	11°29	29°54	M 8
T 9	13 7 22	18°43'55	8♒54	29°32	6° 3	28°38	27°26	5° 5	19°28	7°57	10°29	18°41	18°48	11°36	29°57	T 9
W10	13 11 18	19°42'39	21°35	1♈14	6°44	28°19	27°40	5°12	19°29	7°55	10°31	18°38	18°45	11°43	29°59	W10
T 11	13 15 15	20°41'21	4♓42	2°57	7°26	28° 0	27°54	5°18	19°29	7°54	10°32	18°33	18°42	11°49	0♓ 3	T 11
F 12	13 19 11	21°40'02	18°15	4°42	8° 9	27°42	28° 8	5°24	19°30	7°52	10°33	18°25	18°39	11°56	0° 6	F 12
S 13	13 23 8	22°38'40	2♈15	6°29	8°53	27°24	28°22	5°31	19°31	7°51	10°35	18°15	18°35	12° 3	0° 9	S 13
S 14	13 27 5	23°37'17	16°39	8°17	9°37	27° 8	28°36	5°37	19°32	7°49	10°36	18° 4	18°32	12°10	0°12	S 14
M15	13 31 1	24°35'52	1♉21	10° 7	10°23	26°51	28°50	5°44	19°33	7°48	10°37	17°52	18°29	12°16	0°14	M15
T 16	13 34 58	25°34'26	16°12	11°58	11°10	26°36	29° 4	5°50	19°34	7°46	10°39	17°42	18°26	12°23	0°17	T 16
W17	13 38 54	26°32'57	1♊ 4	13°51	11°57	26°21	29°17	5°57	19°35	7°44	10°40	17°34	18°23	12°30	0°20	W17
T 18	13 42 51	27°31'26	15°49	15°46	12°45	26° 7	29°31	6° 4	19°36	7°43	10°41	17°28	18°20	12°36	0°23	T 18
F 19	13 46 47	28°29'53	0♋20	17°42	13°34	25°54	29°45	6°10	19°37	7°41	10°42	17°25	18°16	12°43	0°25	F 19
S 20	13 50 44	29°28'18	14°35	19°40	14°23	25°41	29°58	6°17	19°38	7°40	10°44	17°D25	18°13	12°50	0°28	S 20
S 21	13 54 40	0♉26'41	28°32	21°40	15°14	25°29	0♈12	6°24	19°39	7°38	10°45	17°R25	18°10	12°56	0°30	S 21
M22	13 58 37	1°25'01	12♌11	23°41	16° 4	25°18	0°25	6°31	19°41	7°37	10°47	17°24	18° 7	13° 3	0°33	M22
T 23	14 2 34	2°23'19	25°33	25°43	16°56	25° 8	0°39	6°38	19°42	7°35	10°48	17°22	18° 4	13°10	0°35	T 23
W24	14 6 30	3°21'35	8♍41	27°47	17°48	24°59	0°52	6°45	19°43	7°34	10°49	17°18	18° 1	13°16	0°38	W24
T 25	14 10 27	4°19'50	21°36	29°53	18°41	24°50	1° 5	6°52	19°45	7°32	10°51	17°11	17°57	13°23	0°40	T 25
F 26	14 14 23	5°18'02	4♎19	1♉59	19°34	24°42	1°18	6°59	19°46	7°31	10°52	17° 1	17°54	13°30	0°42	F 26
S 27	14 18 20	6°16'12	16°52	4° 7	20°28	24°35	1°32	7° 6	19°48	7°30	10°53	16°50	17°51	13°36	0°44	S 27
S 28	14 22 16	7°14'20	29°14	6°15	21°23	24°29	1°45	7°13	19°50	7°28	10°55	16°37	17°48	13°43	0°47	S 28
M29	14 26 13	8°12'27	11♏26	8°24	22°18	24°24	1°58	7°20	19°51	7°27	10°56	16°25	17°45	13°50	0°49	M29
T 30	14 30 9	9♉10'32	23♏29	10♉34	23♓13	24♏19	2♈11	7♊28	19♋53	7♎26	10♉57	16♐14	17♐41	13♐56	0♓51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n19	17s 2	4s52	7s25	2s25	7s36	3n39	2n11	3n 1	2s45	1s 5	19n32	1s33	22n35	0n30	1s45	1n38	0n25	15s17	22s 6	22s 6	25s17	6s18	5n44
T 2	4 42	20 41	4 31	6 51	2 27	7 36	3 28	2 18	2 59	2 40	1 5	19 33	1 33	22 35	0 30	1 44	1 38	0 25	15 16	22 8	22 7	25 17	6 16	5 44
W 3	5 5	23 23	3 57	6 17	2 28	7 34	3 18	2 25	2 57	2 34	1 5	19 34	1 32	22 35	0 30	1 44	1 38	0 26	15 16	22 9	22 7	25 17	6 15	5 44
T 4	5 28	25 2	3 14	5 41	2 29	7 32	3 7	2 32	2 55	2 29	1 5	19 35	1 32	22 35	0 30	1 43	1 38	0 26	15 16	22 10	22 8	25 17	6 14	5 44
F 5	5 51	25 32	2 22	5 4	2 29	7 29	2 57	2 38	2 53	2 23	1 5	19 37	1 32	22 35	0 30	1 43	1 38	0 27	15 16	22 11	22 8	25 18	6 12	5 44
S 6	6 14	24 52	1 24	4 26	2 29	7 25	2 47	2 45	2 51	2 18	1 5	19 38	1 32	22 35	0 30	1 42	1 38	0 27	15 16	22 11	22 9	25 18	6 11	5 45
S 7	6 36	23 4	0 22	3 46	2 28	7 21	2 37	2 51	2 48	2 12	1 5	19 39	1 32	22 34	0 30	1 41	1 38	0 28	15 16	22 11	22 9	25 18	6 10	5 45
M 8	6 59	20 13	0n41	3 6	2 27	7 16	2 27	2 57	2 46	2 6	1 5	19 41	1 31	22 34	0 30	1 41	1 38	0 28	15 16	22 11	22 10	25 18	6 9	5 45
T 9	7 21	16 23	1 45	2 24	2 25	7 11	2 18	3 3	2 44	2 1	1 5	19 42	1 31	22 34	0 30	1 40	1 38	0 29	15 15	22 11	22 10	25 19	6 7	5 45
W10	7 44	11 44	2 45	1 42	2 23	7 4	2 8	3 8	2 41	1 55	1 5	19 43	1 31	22 34	0 30	1 39	1 38	0 29	15 15	22 11	22 10	25 19	6 6	5 45
T 11	8 6	6 26	3 38	0 58	2 20	6 57	1 59	3 13	2 39	1 50	1 5	19 44	1 31	22 34	0 30	1 39	1 38	0 30	15 15	22 12	22 11	25 19	6 5	5 46
F 12	8 28	0 40	4 20	0 13	2 17	6 50	1 50	3 18	2 36	1 45	1 5	19 46	1 31	22 34	0 30	1 38	1 38	0 30	15 15	22 13	22 11	25 19	6 4	5 46
S 13	8 50	5n19	4 49	0n33	2 13	6 42	1 41	3 23	2 34	1 39	1 6	19 47	1 30	22 34	0 30	1 37	1 38	0 31	15 15	22 15	22 12	25 19	6 2	5 46
S 14	9 11	11 11	5 0	1 19	2 9	6 33	1 32	3 27	2 31	1 34	1 6	19 48	1 30	22 34	0 30	1 37	1 38	0 31	15 15	22 16	22 12	25 20	6 1	5 46
M15	9 33	16 32	4 52	2 7	2 4	6 24	1 24	3 31	2 28	1 28	1 6	19 50	1 30	22 33	0 30	1 36	1 38	0 32	15 15	22 18	22 13	25 20	6 0	5 47
T 16	9 54	20 56	4 25	2 56	1 58	6 14	1 15	3 35	2 26	1 23	1 6	19 51	1 30	22 33	0 30	1 36	1 38	0 32	15 15	22 19	22 13	25 20	5 59	5 47
W17	10 16	23 59	3 39	3 45	1 52	6 4	1 7	3 38	2 23	1 17	1 6	19 52	1 30	22 33	0 30	1 35	1 38	0 33	15 14	22 20	22 14	25 20	5 58	5 47
T 18	10 37	25 22	2 39	4 35	1 46	5 53	0 59	3 42	2 20	1 12	1 6	19 54	1 30	22 33	0 30	1 34	1 38	0 33	15 14	22 21	22 14	25 20	5 57	5 47
F 19	10 58	24 58	1 29	5 26	1 39	5 41	0 51	3 44	2 18	1 7	1 6	19 55	1 29	22 33	0 30	1 34	1 38	0 34	15 14	22 21	22 14	25 21	5 55	5 48
S 20	11 19	22 56	0 15	6 18	1 32	5 29	0 43	3 47	2 15	1 1	1 6	19 56	1 29	22 33	0 30	1 33	1 38	0 34	15 14	22 21	22 15	25 21	5 54	5 48
S 21	11 39	19 33	0s59	7 10	1 24	5 17	0 36	3 49	2 12	0 56	1 6	19 58	1 29	22 32	0 30	1 33	1 38	0 35	15 14	22 21	22 15	25 21	5 53	5 48
M22	11 59	15 9	2 7	8 2	1 16	5 4	0 28	3 51	2 10	0 51	1 6	19 59	1 29	22 32	0 30	1 32	1 37	0 35	15 14	22 21	22 16	25 21	5 52	5 48
T 23	12 20	10 5	3 7	8 55	1 7	4 51	0 21	3 53	2 7	0 46	1 7	20 0	1 29	22 32	0 30	1 32	1 37	0 35	15 14	22 22	22 16	25 21	5 51	5 49
W24	12 40	4 40	3 57	9 48	0 58	4 37	0 14	3 54	2 4	0 40	1 7	20 1	1 29	22 32	0 30	1 31	1 37	0 36	15 14	22 22	22 17	25 21	5 50	5 49
T 25	12 59	0s50	4 33	10 41	0 49	4 22	0 7	3 55	2 1	0 35	1 7	20 3	1 29	22 31	0 30	1 30	1 37	0 36	15 14	22 23	22 17	25 21	5 49	5 49
F 26	13 19	6 13	4 54	11 35	0 39	4 8	0 1	3 55	1 59	0 30	1 7	20 4	1 28	22 31	0 30	1 30	1 37	0 37	15 14	22 24	22 17	25 21	5 48	5 49
S 27	13 38	11 16	5 2	12 28	0 29	3 52	0s 6	3 56	1 56	0 25	1 7	20 5	1 28	22 31	0 30	1 29	1 37	0 37	15 14	22 26	22 18	25 22	5 47	5 50
S 28	13 57	15 48	4 54	13 20	0 19	3 37	0 12	3 56	1 53	0 20	1 7	20 7	1 28	22 31	0 30	1 29	1 37	0 38	15 14	22 27	22 18	25 22	5 46	5 50
M29	14 16	19 38	4 34	14 12	0 8	3 21	0 18	3 55	1 51	0 15	1 7	20 8	1 28	22 30	0 30	1 28	1 37	0 38	15 14	22 29	22 19	25 22	5 45	5 50
T 30	14n35	22s34	4s 1	15n 3	0n 2	3s 4	0s24	3n55	1n48	0s10	1s 7	20n 9	1s28	22n30	0n30	1s28	1n37	0n39	15s14	22s30	22s19	25s22	5s44	5n50

Julian Day Number = 2312477.5, Delta T = 67.26 sec
Ecliptic obliquity = 23°29'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'34, Lahiri = 18°32'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

MAY 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 34 6	10♉ 8'36	5♐26	12♉44	24♓ 9	24°R15	2♈24	7♊35	19♋55	7°R24	10♉59	16°R 5	17♑38	14♐ 3	0♓53	W 1
T 2	14 38 3	11° 6'37	17°16	14°54	25° 6	24♍12	2°37	7°42	19°56	7♎23	11° 0	15♑59	17°35	14°10	0°55	T 2
F 3	14 41 59	12° 4'38	29° 4	17° 4	26° 3	24°10	2°49	7°49	19°58	7°22	11° 1	15°55	17°32	14°16	0°57	F 3
S 4	14 45 56	13° 2'37	10♑53	19°14	27° 0	24° 8	3° 2	7°57	20° 0	7°20	11° 3	15°D54	17°29	14°23	0°59	S 4
S 5	14 49 52	14° 0'35	22°47	21°22	27°58	24°D 8	3°15	8° 4	20° 2	7°19	11° 4	15°54	17°26	14°30	1° 0	S 5
M 6	14 53 49	14°58'31	4♒50	23°29	28°56	24° 8	3°28	8°12	20° 4	7°18	11° 5	15°54	17°22	14°36	1° 2	M 6
T 7	14 57 45	15°56'26	17°10	25°36	29°55	24° 8	3°40	8°19	20° 6	7°17	11° 7	15°R55	17°19	14°43	1° 4	T 7
W 8	15 1 42	16°54'19	29°49	27°40	0♈54	24°10	3°53	8°26	20° 8	7°15	11° 8	15°54	17°16	14°50	1° 6	W 8
T 9	15 5 38	17°52'12	12♓53	29°42	1°53	24°12	4° 5	8°34	20°10	7°14	11°10	15°51	17°13	14°56	1° 7	T 9
F 10	15 9 35	18°50'03	26°25	1♊43	2°53	24°15	4°17	8°41	20°12	7°13	11°11	15°46	17°10	15° 3	1° 9	F 10
S 11	15 13 32	19°47'53	10♈26	3°41	3°53	24°19	4°30	8°49	20°14	7°12	11°12	15°39	17° 6	15°10	1°10	S 11
S 12	15 17 28	20°45'41	24°55	5°36	4°53	24°23	4°42	8°57	20°17	7°11	11°14	15°31	17° 3	15°16	1°12	S 12
M13	15 21 25	21°43'29	9♉46	7°29	5°54	24°29	4°54	9° 4	20°19	7°10	11°15	15°23	17° 0	15°23	1°13	M13
T 14	15 25 21	22°41'15	24°50	9°19	6°55	24°34	5° 6	9°12	20°21	7° 9	11°16	15°16	16°57	15°30	1°14	T 14
W15	15 29 18	23°39'00	10♊ 0	11° 7	7°56	24°41	5°18	9°19	20°24	7° 8	11°18	15°10	16°54	15°36	1°16	W15
T 16	15 33 14	24°36'43	25° 3	12°51	8°58	24°48	5°30	9°27	20°26	7° 7	11°19	15° 6	16°51	15°43	1°17	T 16
F 17	15 37 11	25°34'25	9♋53	14°32	10° 0	24°56	5°41	9°35	20°28	7° 6	11°20	15°D 4	16°47	15°50	1°18	F 17
S 18	15 41 7	26°32'06	24°24	16°10	11° 2	25° 5	5°53	9°42	20°31	7° 5	11°22	15° 5	16°44	15°56	1°19	S 18
S 19	15 45 4	27°29'45	8♌31	17°46	12° 4	25°14	6° 5	9°50	20°33	7° 4	11°23	15° 6	16°41	16° 3	1°20	S 19
M20	15 49 1	28°27'22	22°15	19°17	13° 7	25°24	6°16	9°58	20°36	7° 3	11°24	15°R 7	16°38	16°10	1°21	M20
T 21	15 52 57	29°24'57	5♍37	20°46	14° 9	25°34	6°28	10° 6	20°38	7° 2	11°26	15° 7	16°35	16°16	1°22	T 21
W22	15 56 54	0♊22'31	18°39	22°11	15°12	25°45	6°39	10°13	20°41	7° 1	11°27	15° 5	16°32	16°23	1°23	W22
T 23	16 0 50	1°20'04	1♎24	23°33	16°16	25°57	6°50	10°21	20°44	7° 0	11°28	15° 1	16°28	16°30	1°24	T 23
F 24	16 4 47	2°17'35	13°55	24°52	17°19	26° 9	7° 1	10°29	20°46	7° 0	11°29	14°56	16°25	16°36	1°24	F 24
S 25	16 8 43	3°15'05	26°13	26° 7	18°23	26°22	7°12	10°37	20°49	6°59	11°31	14°49	16°22	16°43	1°25	S 25
S 26	16 12 40	4°12'34	8♏22	27°19	19°27	26°35	7°23	10°45	20°52	6°58	11°32	14°42	16°19	16°50	1°26	S 26
M27	16 16 36	5°10'02	20°24	28°27	20°31	26°49	7°34	10°52	20°55	6°57	11°33	14°35	16°16	16°56	1°26	M27
T 28	16 20 33	6° 7'29	2♐19	29°32	21°35	27° 4	7°45	11° 0	20°57	6°57	11°34	14°28	16°12	17° 3	1°27	T 28
W29	16 24 30	7° 4'54	14°10	0♋33	22°40	27°19	7°55	11° 8	21° 0	6°56	11°36	14°23	16° 9	17°10	1°27	W29
T 30	16 28 26	8° 2'19	25°58	1°31	23°45	27°34	8° 6	11°16	21° 3	6°55	11°37	14°20	16° 6	17°16	1°28	T 30
F 31	16 32 23	8♊59'43	7♑47	2♋24	24♈50	27♍50	8♈16	11♊24	21♋ 6	6♎55	11♉38	14♑18	16♑ 3	17♐23	1♓28	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n53	24s30	3s18	15n54	0n13	2s47	0s30	3n54	1n45	0s 5	1s 8	20n11	1s28	22n30	0n30	1s27	1n37	0n39	15s14	22s31	22s19	25s22	5s43	5n51
T 2	15 12	25 18	2 26	16 43	0 23	2 30	0 36	3 53	1 43	0n 0	1 8	20 12	1 28	22 30	0 30	1 27	1 37	0 39	15 13	22 32	22 20	25 22	5 42	5 51
F 3	15 30	24 58	1 29	17 31	0 34	2 12	0 41	3 51	1 40	0 5	1 8	20 13	1 27	22 29	0 30	1 26	1 37	0 40	15 13	22 32	22 20	25 22	5 41	5 51
S 4	15 47	23 29	0 27	18 17	0 44	1 55	0 47	3 49	1 38	0 10	1 8	20 15	1 27	22 29	0 30	1 26	1 37	0 40	15 13	22 32	22 21	25 22	5 40	5 52
S 5	16 5	20 57	0n37	19 1	0 54	1 36	0 52	3 47	1 35	0 15	1 8	20 16	1 27	22 29	0 30	1 25	1 37	0 41	15 13	22 32	22 21	25 22	5 39	5 52
M 6	16 22	17 29	1 40	19 43	1 4	1 18	0 57	3 45	1 32	0 20	1 8	20 17	1 27	22 28	0 30	1 25	1 37	0 41	15 13	22 32	22 22	25 22	5 38	5 52
T 7	16 39	13 12	2 39	20 23	1 14	0 59	1 2	3 42	1 30	0 25	1 8	20 19	1 27	22 28	0 30	1 24	1 37	0 41	15 13	22 32	22 22	25 22	5 37	5 52
W 8	16 55	8 14	3 33	21 1	1 22	0 40	1 7	3 40	1 27	0 30	1 8	20 20	1 27	22 28	0 30	1 24	1 37	0 42	15 13	22 32	22 22	25 22	5 36	5 53
T 9	17 12	2 47	4 17	21 37	1 31	0 20	1 11	3 36	1 25	0 35	1 9	20 21	1 27	22 28	0 30	1 24	1 37	0 42	15 13	22 33	22 23	25 22	5 36	5 53
F 10	17 28	2n59	4 49	22 10	1 39	0 1	1 16	3 33	1 22	0 39	1 9	20 22	1 27	22 27	0 30	1 23	1 37	0 43	15 13	22 33	22 23	25 22	5 35	5 53
S 11	17 43	8 48	5 5	22 40	1 46	0n19	1 20	3 29	1 20	0 44	1 9	20 24	1 26	22 27	0 30	1 23	1 37	0 43	15 13	22 34	22 24	25 22	5 34	5 54
S 12	17 59	14 20	5 2	23 8	1 53	0 40	1 24	3 25	1 18	0 49	1 9	20 25	1 26	22 27	0 30	1 22	1 37	0 43	15 14	22 35	22 24	25 22	5 33	5 54
M13	18 14	19 10	4 39	23 33	1 58	1 0	1 28	3 21	1 15	0 53	1 9	20 26	1 26	22 26	0 30	1 22	1 37	0 44	15 14	22 36	22 24	25 22	5 32	5 54
T 14	18 29	22 50	3 57	23 56	2 4	1 21	1 32	3 16	1 13	0 58	1 9	20 27	1 26	22 26	0 30	1 21	1 37	0 44	15 14	22 37	22 25	25 22	5 32	5 55
W15	18 43	24 55	2 57	24 16	2 8	1 42	1 36	3 12	1 10	1 3	1 10	20 29	1 26	22 25	0 29	1 21	1 37	0 44	15 14	22 38	22 25	25 22	5 31	5 55
T 16	18 58	25 9	1 46	24 34	2 11	2 3	1 39	3 7	1 8	1 7	1 10	20 30	1 26	22 25	0 29	1 21	1 37	0 45	15 14	22 38	22 26	25 22	5 30	5 55
F 17	19 12	23 35	0 28	24 49	2 14	2 24	1 42	3 1	1 6	1 12	1 10	20 31	1 26	22 25	0 29	1 20	1 37	0 45	15 14	22 38	22 26	25 22	5 30	5 55
S 18	19 25	20 28	0s50	25 2	2 16	2 45	1 46	2 56	1 4	1 16	1 10	20 32	1 26	22 24	0 29	1 20	1 37	0 45	15 14	22 38	22 26	25 22	5 29	5 56
S 19	19 39	16 11	2 3	25 12	2 17	3 7	1 49	2 50	1 1	1 21	1 10	20 34	1 26	22 24	0 29	1 20	1 37	0 46	15 14	22 38	22 27	25 22	5 28	5 56
M20	19 51	11 10	3 7	25 21	2 18	3 28	1 52	2 44	0 59	1 25	1 10	20 35	1 25	22 24	0 29	1 19	1 37	0 46	15 14	22 38	22 27	25 22	5 28	5 56
T 21	20 4	5 46	3 59	25 27	2 17	3 50	1 55	2 38	0 57	1 29	1 11	20 36	1 25	22 23	0 29	1 19	1 37	0 46	15 14	22 38	22 27	25 22	5 27	5 57
W22	20 16	0 15	4 37	25 31	2 16	4 12	1 57	2 32	0 55	1 34	1 11	20 37	1 25	22 23	0 29	1 19	1 37	0 47	15 14	22 38	22 28	25 22	5 26	5 57
T 23	20 28	5s 9	5 0	25 33	2 14	4 34	2 0	2 25	0 53	1 38	1 11	20 39	1 25	22 22	0 29	1 18	1 37	0 47	15 14	22 38	22 28	25 22	5 26	5 57
F 24	20 40	10 14	5 9	25 34	2 11	4 56	2 2	2 18	0 51	1 42	1 11	20 40	1 25	22 22	0 29	1 18	1 37	0 47	15 14	22 39	22 29	25 22	5 25	5 58
S 25	20 51	14 51	5 3	25 33	2 7	5 18	2 4	2 11	0 48	1 46	1 11	20 41	1 25	22 21	0 29	1 18	1 37	0 48	15 14	22 40	22 29	25 22	5 25	5 58
S 26	21 2	18 47	4 43	25 30	2 2	5 40	2 7	2 4	0 46	1 51	1 11	20 42	1 25	22 21	0 29	1 18	1 36	0 48	15 14	22 41	22 29	25 22	5 24	5 58
M27	21 12	21 55	4 11	25 26	1 57	6 3	2 9	1 57	0 44	1 55	1 12	20 43	1 25	22 21	0 29	1 17	1 36	0 48	15 14	22 41	22 30	25 22	5 24	5 59
T 28	21 22	24 4	3 29	25 20	1 51	6 25	2 10	1 49	0 42	1 59	1 12	20 45	1 25	22 20	0 29	1 17	1 36	0 48	15 15	22 42	22 30	25 21	5 23	5 59
W29	21 32	25 9	2 37	25 13	1 43	6 47	2 12	1 41	0 40	2 3	1 12	20 46	1 25	22 20	0 29	1 17	1 36	0 49	15 15	22 43	22 31	25 21	5 23	5 59
T 30	21 42	25 4	1 38	25 4	1 35	7 10	2 14	1 33	0 38	2 7	1 12	20 47	1 25	22 19	0 29	1 17	1 36	0 49	15 15	22 43	22 31	25 21	5 22	6 0
F 31	21n51	23s51	0s36	24n55	1n27	7n32	2s15	1n25	0n37	2n11	1s12	20n48	1s24	22n19	0n29	1s17	1n36	0n49	15s15	22s43	22s31	25s21	5s22	6n 0

Julian Day Number = 2312507.5, Delta T = 67.18 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'38, Lahiri = 18°32'39Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1619
geocentric

JUNE 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 36 19	9♊57'06	19♉38	3♋14	25♈55	28♍ 7	8♈27	11♊31	21♋ 9	6°R54	11♉39	14°D18	16♉ 0	17♐30	1♓28	S 1
S 2	16 40 16	10°54'28	1♒35	4° 0	27° 0	28°24	8°37	11°39	21°12	6♎54	11°41	14♉19	15°57	17°36	1°28	S 2
M 3	16 44 12	11°51'50	13°42	4°42	28° 6	28°41	8°47	11°47	21°15	6°53	11°42	14°21	15°53	17°43	1°29	M 3
T 4	16 48 9	12°49'11	26° 2	5°20	29°11	28°59	8°57	11°55	21°18	6°53	11°43	14°23	15°50	17°50	1°29	T 4
W 5	16 52 5	13°46'31	8♓41	5°53	0♉17	29°18	9° 7	12° 3	21°21	6°52	11°44	14°R23	15°47	17°56	1°R29	W 5
T 6	16 56 2	14°43'51	21°42	6°22	1°23	29°37	9°16	12°11	21°24	6°52	11°45	14°23	15°44	18° 3	1°29	T 6
F 7	16 59 59	15°41'11	5♈ 9	6°47	2°29	29°56	9°26	12°19	21°27	6°52	11°47	14°22	15°41	18°10	1°29	F 7
S 8	17 3 55	16°38'30	19° 3	7° 8	3°35	0♎16	9°36	12°26	21°31	6°51	11°48	14°20	15°38	18°16	1°28	S 8
S 9	17 7 52	17°35'49	3♉24	7°24	4°42	0°36	9°45	12°34	21°34	6°51	11°49	14°16	15°34	18°23	1°28	S 9
M10	17 11 48	18°33'07	18° 9	7°35	5°48	0°56	9°54	12°42	21°37	6°51	11°50	14°13	15°31	18°30	1°28	M10
T 11	17 15 45	19°30'25	3♊12	7°42	6°55	1°18	10° 3	12°50	21°40	6°50	11°51	14°10	15°28	18°36	1°28	T 11
W12	17 19 41	20°27'43	18°24	7°R44	8° 2	1°39	10°13	12°58	21°43	6°50	11°52	14° 7	15°25	18°43	1°27	W12
T 13	17 23 38	21°25'00	3♋35	7°42	9° 9	2° 1	10°21	13° 5	21°47	6°50	11°53	14° 6	15°22	18°50	1°27	T 13
F 14	17 27 34	22°22'16	18°36	7°35	10°16	2°23	10°30	13°13	21°50	6°50	11°54	14°D 6	15°18	18°56	1°26	F 14
S 15	17 31 31	23°19'32	3♌19	7°25	11°23	2°46	10°39	13°21	21°53	6°50	11°56	14° 6	15°15	19° 3	1°26	S 15
S 16	17 35 28	24°16'47	17°39	7° 9	12°30	3° 9	10°47	13°29	21°57	6°50	11°57	14° 8	15°12	19° 9	1°25	S 16
M17	17 39 24	25°14'02	1♍33	6°50	13°38	3°32	10°56	13°36	22° 0	6°50	11°58	14° 9	15° 9	19°16	1°24	M17
T 18	17 43 21	26°11'15	15° 1	6°28	14°45	3°56	11° 4	13°44	22° 3	6°D50	11°59	14°10	15° 6	19°23	1°24	T 18
W19	17 47 17	27° 8'28	28° 6	6° 2	15°53	4°20	11°12	13°52	22° 7	6°50	12° 0	14°R10	15° 3	19°29	1°23	W19
T 20	17 51 14	28° 5'41	10♎49	5°33	17° 1	4°45	11°20	14° 0	22°10	6°50	12° 1	14°10	14°59	19°36	1°22	T 20
F 21	17 55 10	29° 2'53	23°14	5° 1	18° 9	5° 9	11°28	14° 7	22°14	6°50	12° 2	14° 9	14°56	19°43	1°21	F 21
S 22	17 59 7	0♋ 0'04	5♏26	4°28	19°17	5°35	11°35	14°15	22°17	6°50	12° 3	14° 7	14°53	19°49	1°20	S 22
S 23	18 3 3	0°57'15	17°27	3°53	20°25	6° 0	11°43	14°23	22°20	6°50	12° 4	14° 5	14°50	19°56	1°19	S 23
M24	18 7 0	1°54'26	29°21	3°17	21°33	6°26	11°50	14°30	22°24	6°50	12° 5	14° 3	14°47	20° 3	1°18	M24
T 25	18 10 57	2°51'36	11♐11	2°41	22°41	6°52	11°58	14°38	22°27	6°50	12° 5	14° 2	14°44	20° 9	1°17	T 25
W26	18 14 53	3°48'47	23° 0	2° 5	23°50	7°18	12° 5	14°45	22°31	6°51	12° 6	14° 0	14°40	20°16	1°16	W26
T 27	18 18 50	4°45'57	4♑49	1°31	24°58	7°45	12°12	14°53	22°35	6°51	12° 7	14° 0	14°37	20°23	1°14	T 27
F 28	18 22 46	5°43'07	16°42	0°58	26° 7	8°12	12°18	15° 0	22°38	6°51	12° 8	14°D 0	14°34	20°29	1°13	F 28
S 29	18 26 43	6°40'17	28°40	0°27	27°15	8°40	12°25	15° 8	22°42	6°51	12° 9	14° 0	14°31	20°36	1°12	S 29
S 30	18 30 39	7♋37'27	10♒45	29♊58	28♉24	9♎ 7	12♈32	15♊15	22♋45	6♎52	12♉10	14♉ 1	14♉28	20♐43	1♓10	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n59	21s34	0n29	24n44	1n17	7n55	2s17	1n17	0n35	2n15	1s13	20n49	1s24	22n18	0n29	1s16	1n36	0n49	15s15	22s43	22s32	25s21	5s22	6n 0
S 2	22 8	18 20	1 33	24 33	1 7	8 17	2 18	1 8	0 33	2 18	1 13	20 50	1 24	22 18	0 29	1 16	1 36	0 50	15 15	22 43	22 32	25 21	5 21	6 1
M 3	22 15	14 17	2 34	24 20	0 56	8 39	2 19	1 0	0 31	2 22	1 13	20 51	1 24	22 17	0 29	1 16	1 36	0 50	15 15	22 43	22 32	25 21	5 21	6 1
T 4	22 23	9 35	3 29	24 7	0 44	9 2	2 20	0 51	0 29	2 26	1 13	20 52	1 24	22 17	0 29	1 16	1 36	0 50	15 15	22 43	22 33	25 21	5 21	6 1
W 5	22 30	4 23	4 15	23 53	0 32	9 24	2 21	0 42	0 27	2 30	1 13	20 54	1 24	22 16	0 29	1 16	1 36	0 50	15 16	22 43	22 33	25 20	5 20	6 1
T 6	22 37	1n 8	4 50	23 39	0 19	9 46	2 21	0 33	0 26	2 33	1 14	20 55	1 24	22 16	0 29	1 16	1 36	0 50	15 16	22 43	22 34	25 20	5 20	6 2
F 7	22 43	6 47	5 10	23 24	0 5	10 8	2 22	0 23	0 24	2 37	1 14	20 56	1 24	22 15	0 29	1 16	1 36	0 51	15 16	22 43	22 34	25 20	5 20	6 2
S 8	22 49	12 17	5 13	23 8	0s10	10 30	2 23	0 14	0 22	2 40	1 14	20 57	1 24	22 15	0 29	1 15	1 36	0 51	15 16	22 43	22 34	25 20	5 19	6 2
S 9	22 55	17 19	4 57	22 52	0 25	10 52	2 23	0 4	0 20	2 44	1 14	20 58	1 24	22 14	0 29	1 15	1 36	0 51	15 16	22 43	22 35	25 20	5 19	6 3
M10	23 0	21 27	4 21	22 36	0 40	11 14	2 23	0s 5	0 19	2 47	1 14	20 59	1 24	22 14	0 29	1 15	1 36	0 51	15 16	22 44	22 35	25 19	5 19	6 3
T 11	23 4	24 13	3 26	22 20	0 56	11 35	2 24	0 15	0 17	2 51	1 15	21 0	1 24	22 13	0 29	1 15	1 36	0 51	15 16	22 44	22 35	25 19	5 19	6 3
W12	23 9	25 15	2 17	22 4	1 12	11 57	2 24	0 25	0 15	2 54	1 15	21 1	1 24	22 13	0 29	1 15	1 36	0 51	15 17	22 44	22 36	25 19	5 19	6 4
T 13	23 13	24 24	0 58	21 48	1 28	12 18	2 24	0 36	0 14	2 57	1 15	21 2	1 24	22 12	0 29	1 15	1 36	0 52	15 17	22 44	22 36	25 19	5 19	6 4
F 14	23 16	21 47	0s25	21 31	1 45	12 40	2 23	0 46	0 12	3 1	1 15	21 3	1 24	22 12	0 29	1 15	1 36	0 52	15 17	22 45	22 37	25 19	5 18	6 4
S 15	23 19	17 46	1 44	21 15	2 2	13 1	2 23	0 56	0 11	3 4	1 16	21 4	1 24	22 11	0 29	1 15	1 36	0 52	15 17	22 44	22 37	25 18	5 18	6 5
S 16	23 22	12 48	2 55	21 0	2 18	13 21	2 23	1 7	0 9	3 7	1 16	21 5	1 24	22 11	0 29	1 15	1 36	0 52	15 17	22 44	22 37	25 18	5 18	6 5
M17	23 24	7 19	3 53	20 44	2 35	13 42	2 22	1 18	0 7	3 10	1 16	21 6	1 23	22 10	0 29	1 15	1 36	0 52	15 18	22 44	22 38	25 18	5 18	6 5
T 18	23 26	1 40	4 36	20 30	2 50	14 2	2 22	1 29	0 6	3 13	1 16	21 7	1 23	22 10	0 29	1 15	1 35	0 52	15 18	22 44	22 38	25 18	5 18	6 5
W19	23 27	3s53	5 4	20 15	3 6	14 22	2 21	1 40	0 4	3 16	1 17	21 8	1 23	22 9	0 29	1 15	1 35	0 52	15 18	22 44	22 38	25 17	5 18	6 6
T 20	23 29	9 7	5 16	20 2	3 21	14 42	2 20	1 51	0 3	3 19	1 17	21 9	1 23	22 8	0 29	1 15	1 35	0 52	15 18	22 44	22 39	25 17	5 18	6 6
F 21	23 29	13 52	5 12	19 49	3 35	15 2	2 20	2 2	0 1	3 22	1 17	21 10	1 23	22 8	0 29	1 15	1 35	0 53	15 18	22 44	22 39	25 17	5 18	6 6
S 22	23 29	17 59	4 55	19 37	3 48	15 21	2 19	2 13	0 0	3 25	1 17	21 11	1 23	22 7	0 29	1 15	1 35	0 53	15 19	22 44	22 39	25 17	5 18	6 7
S 23	23 29	21 18	4 24	19 26	4 0	15 41	2 18	2 25	0s 1	3 27	1 18	21 12	1 23	22 7	0 29	1 16	1 35	0 53	15 19	22 45	22 40	25 16	5 18	6 7
M24	23 29	23 41	3 43	19 17	4 10	15 59	2 17	2 36	0 3	3 30	1 18	21 13	1 23	22 6	0 29	1 16	1 35	0 53	15 19	22 45	22 40	25 16	5 19	6 7
T 25	23 27	25 0	2 52	19 8	4 20	16 18	2 15	2 48	0 4	3 32	1 18	21 13	1 23	22 6	0 29	1 16	1 35	0 53	15 19	22 45	22 40	25 16	5 19	6 7
W26	23 26	25 12	1 54	19 1	4 28	16 36	2 14	2 59	0 6	3 35	1 18	21 14	1 23	22 5	0 29	1 16	1 35	0 53	15 19	22 45	22 41	25 15	5 19	6 8
T 27	23 24	24 15	0 51	18 55	4 34	16 54	2 13	3 11	0 7	3 38	1 19	21 15	1 23	22 4	0 29	1 16	1 35	0 53	15 20	22 45	22 41	25 15	5 19	6 8
F 28	23 22	22 12	0n15	18 50	4 39	17 12	2 11	3 23	0 8	3 40	1 19	21 16	1 23	22 4	0 29	1 16	1 35	0 53	15 20	22 45	22 41	25 15	5 19	6 8
S 29	23 19	19 9	1 21	18 47	4 43	17 29	2 10	3 35	0 10	3 42	1 19	21 17	1 23	22 3	0 29	1 16	1 35	0 53	15 20	22 45	22 42	25 14	5 19	6 9
S 30	23n16	15s17	2n23	18n45	4s44	17n46	2s 8	3s47	0s11	3n45	1s19	21n18	1s23	22n 3	0n29	1s17	1n35	0n53	15s20	22s45	22s42	25s14	5s20	6n 9

Julian Day Number = 2312538.5, Delta T = 67.10 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'43, Lahiri = 18°32'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

JULY 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 34 36	8♋34'37	23♒ 1	29°R33	29♉33	9♎35	12♈38	15♊23	22♋49	6♎52	12♉11	14♑ 1	14♑24	20♐49	1°R 9	M 1
T 2	18 38 33	9°31'48	5♓29	29♊12	0♊42	10° 3	12°44	15°30	22°52	6°53	12°12	14° 2	14°21	20°56	1♓ 8	T 2
W 3	18 42 29	10°28'58	18°13	28°55	1°51	10°32	12°50	15°38	22°56	6°53	12°12	14° 2	14°18	21° 3	1° 6	W 3
T 4	18 46 26	11°26'10	1♈16	28°42	3° 0	11° 0	12°56	15°45	23° 0	6°54	12°13	14° 2	14°15	21° 9	1° 4	T 4
F 5	18 50 22	12°23'21	14°39	28°34	4°10	11°29	13° 2	15°52	23° 3	6°54	12°14	14°R 2	14°12	21°16	1° 3	F 5
S 6	18 54 19	13°20'33	28°26	28°D31	5°19	11°59	13° 7	16° 0	23° 7	6°55	12°15	14° 2	14° 9	21°23	1° 1	S 6
S 7	18 58 15	14°17'46	12♉35	28°32	6°28	12°28	13°13	16° 7	23°10	6°55	12°15	14°D 2	14° 5	21°29	0°59	S 7
M 8	19 2 12	15°15'00	27° 5	28°40	7°38	12°58	13°18	16°14	23°14	6°56	12°16	14° 2	14° 2	21°36	0°57	M 8
T 9	19 6 8	16°12'14	11♊53	28°52	8°48	13°28	13°23	16°21	23°18	6°56	12°17	14° 2	13°59	21°43	0°56	T 9
W10	19 10 5	17° 9'28	26°52	29°10	9°57	13°58	13°28	16°28	23°21	6°57	12°18	14° 3	13°56	21°49	0°54	W10
T 11	19 14 2	18° 6'43	11♋56	29°33	11° 7	14°28	13°32	16°35	23°25	6°58	12°18	14°R 3	13°53	21°56	0°52	T 11
F 12	19 17 58	19° 3'58	26°54	0♌ 2	12°17	14°59	13°37	16°43	23°29	6°59	12°19	14° 3	13°50	22° 3	0°50	F 12
S 13	19 21 55	20° 1'14	11♌40	0°36	13°27	15°30	13°41	16°50	23°32	6°59	12°19	14° 2	13°46	22° 9	0°48	S 13
S 14	19 25 51	20°58'30	26° 6	1°16	14°37	16° 1	13°45	16°57	23°36	7° 0	12°20	14° 2	13°43	22°16	0°46	S 14
M15	19 29 48	21°55'46	10♍ 7	2° 1	15°47	16°33	13°49	17° 3	23°40	7° 1	12°21	14° 1	13°40	22°23	0°44	M15
T 16	19 33 44	22°53'03	23°42	2°52	16°57	17° 5	13°53	17°10	23°43	7° 2	12°21	14° 0	13°37	22°29	0°41	T 16
W17	19 37 41	23°50'20	6♎52	3°47	18° 7	17°36	13°57	17°17	23°47	7° 3	12°22	13°59	13°34	22°36	0°39	W17
T 18	19 41 37	24°47'37	19°38	4°48	19°18	18° 8	14° 0	17°24	23°51	7° 4	12°22	13°D59	13°30	22°43	0°37	T 18
F 19	19 45 34	25°44'54	2♏ 3	5°54	20°28	18°41	14° 3	17°31	23°54	7° 5	12°23	13°59	13°27	22°49	0°35	F 19
S 20	19 49 31	26°42'12	14°13	7° 5	21°39	19°13	14° 6	17°37	23°58	7° 6	12°23	13°59	13°24	22°56	0°32	S 20
S 21	19 53 27	27°39'31	26°11	8°21	22°49	19°46	14° 9	17°44	24° 2	7° 7	12°24	14° 0	13°21	23° 3	0°30	S 21
M22	19 57 24	28°36'50	8♐ 2	9°42	24° 0	20°19	14°12	17°51	24° 6	7° 8	12°24	14° 1	13°18	23° 9	0°28	M22
T 23	20 1 20	29°34'09	19°51	11° 8	25°10	20°52	14°14	17°57	24° 9	7° 9	12°25	14° 3	13°15	23°16	0°25	T 23
W24	20 5 17	0♑31'29	1♑40	12°38	26°21	21°25	14°16	18° 4	24°13	7°10	12°25	14° 4	13°11	23°22	0°23	W24
T 25	20 9 13	1°28'50	13°33	14°12	27°32	21°59	14°19	18°10	24°16	7°11	12°25	14°R 4	13° 8	23°29	0°20	T 25
F 26	20 13 10	2°26'11	25°33	15°51	28°43	22°33	14°20	18°17	24°20	7°12	12°26	14° 4	13° 5	23°36	0°18	F 26
S 27	20 17 6	3°23'34	7♒42	17°33	29°54	23° 7	14°22	18°23	24°24	7°13	12°26	14° 2	13° 2	23°42	0°15	S 27
S 28	20 21 3	4°20'57	20° 1	19°19	1♌ 5	23°41	14°24	18°29	24°27	7°14	12°27	14° 0	12°59	23°49	0°13	S 28
M29	20 25 0	5°18'21	2♓32	21° 8	2°16	24°15	14°25	18°35	24°31	7°16	12°27	13°57	12°56	23°56	0°10	M29
T 30	20 28 56	6°15'46	15°16	23° 0	3°27	24°49	14°26	18°42	24°35	7°17	12°27	13°54	12°52	24° 2	0° 7	T 30
W31	20 32 53	7♑13'12	28♓14	24♋55	4♋38	25♎24	14♈27	18♊48	24♋38	7♎18	12♉27	13♑51	12♑49	24♐ 9	0♓ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n13	10s43	3n20	18n45	4s45	18n 2	2s 7	3s59	0s12	3n47	1s20	21n19	1s23	22n 2	0n29	1s17	1n35	0n53	15s21	22s45	22s43	25s14	5s20	6n 9
T 2	23 9	5 40	4 9	18 46	4 43	18 18	2 5	4 12	0 13	3 49	1 20	21 19	1 23	22 1	0 29	1 17	1 35	0 53	15 21	22 45	22 43	25 13	5 20	6 9
W 3	23 4	0 17	4 46	18 48	4 41	18 34	2 3	4 24	0 15	3 51	1 20	21 20	1 23	22 1	0 29	1 17	1 35	0 53	15 21	22 45	22 43	25 13	5 21	6 10
T 4	23 0	5n14	5 10	18 52	4 37	18 49	2 1	4 36	0 16	3 53	1 20	21 21	1 23	22 0	0 29	1 17	1 35	0 53	15 21	22 45	22 44	25 13	5 21	6 10
F 5	22 55	10 40	5 18	18 58	4 31	19 4	1 59	4 49	0 17	3 55	1 21	21 22	1 23	22 0	0 29	1 18	1 35	0 53	15 21	22 45	22 44	25 12	5 21	6 10
S 6	22 49	15 43	5 8	19 4	4 25	19 19	1 57	5 1	0 18	3 57	1 21	21 23	1 23	21 59	0 29	1 18	1 35	0 53	15 22	22 45	22 44	25 12	5 22	6 10
S 7	22 43	20 4	4 39	19 12	4 17	19 33	1 55	5 14	0 20	3 59	1 21	21 23	1 23	21 58	0 29	1 18	1 35	0 53	15 22	22 45	22 45	25 12	5 22	6 11
M 8	22 37	23 19	3 52	19 21	4 8	19 46	1 53	5 27	0 21	4 1	1 21	21 24	1 23	21 58	0 29	1 19	1 35	0 53	15 22	22 45	22 45	25 11	5 22	6 11
T 9	22 30	25 3	2 49	19 31	3 58	19 59	1 51	5 40	0 22	4 2	1 22	21 25	1 23	21 57	0 29	1 19	1 34	0 53	15 22	22 45	22 45	25 11	5 23	6 11
W10	22 23	25 1	1 34	19 42	3 48	20 12	1 48	5 52	0 23	4 4	1 22	21 25	1 23	21 57	0 29	1 19	1 34	0 53	15 23	22 45	22 46	25 10	5 23	6 11
T 11	22 16	23 9	0 12	19 53	3 36	20 24	1 46	6 5	0 24	4 5	1 22	21 26	1 23	21 56	0 29	1 20	1 34	0 53	15 23	22 45	22 46	25 10	5 24	6 11
F 12	22 8	19 40	1s11	20 5	3 24	20 36	1 44	6 18	0 25	4 7	1 22	21 27	1 23	21 55	0 29	1 20	1 34	0 53	15 23	22 45	22 46	25 10	5 24	6 12
S 13	22 0	14 58	2 28	20 18	3 11	20 47	1 41	6 31	0 26	4 8	1 23	21 28	1 23	21 55	0 29	1 20	1 34	0 53	15 24	22 45	22 47	25 9	5 25	6 12
S 14	21 51	9 30	3 33	20 31	2 58	20 58	1 39	6 44	0 27	4 10	1 23	21 28	1 23	21 54	0 29	1 21	1 34	0 53	15 24	22 45	22 47	25 9	5 25	6 12
M15	21 42	3 43	4 24	20 44	2 45	21 8	1 36	6 57	0 29	4 11	1 23	21 29	1 23	21 53	0 29	1 21	1 34	0 52	15 24	22 45	22 47	25 8	5 26	6 12
T 16	21 33	2s 3	4 58	20 57	2 31	21 17	1 34	7 11	0 30	4 12	1 24	21 30	1 23	21 53	0 29	1 21	1 34	0 52	15 24	22 45	22 47	25 8	5 26	6 12
W17	21 23	7 33	5 15	21 10	2 17	21 26	1 31	7 24	0 31	4 13	1 24	21 30	1 23	21 52	0 29	1 22	1 34	0 52	15 25	22 45	22 48	25 7	5 27	6 13
T 18	21 13	12 33	5 16	21 22	2 2	21 35	1 29	7 37	0 32	4 14	1 24	21 31	1 23	21 52	0 29	1 22	1 34	0 52	15 25	22 45	22 48	25 7	5 28	6 13
F 19	21 2	16 55	5 2	21 34	1 48	21 43	1 26	7 50	0 33	4 15	1 24	21 31	1 23	21 51	0 29	1 23	1 34	0 52	15 25	22 45	22 48	25 7	5 28	6 13
S 20	20 52	20 30	4 34	21 45	1 33	21 50	1 23	8 4	0 34	4 16	1 25	21 32	1 23	21 50	0 29	1 23	1 34	0 52	15 25	22 45	22 49	25 6	5 29	6 13
S 21	20 40	23 9	3 55	21 55	1 19	21 57	1 21	8 17	0 35	4 17	1 25	21 33	1 23	21 50	0 29	1 23	1 34	0 52	15 26	22 45	22 49	25 6	5 30	6 13
M22	20 29	24 46	3 7	22 4	1 4	22 3	1 18	8 30	0 36	4 18	1 25	21 33	1 23	21 49	0 29	1 24	1 34	0 52	15 26	22 45	22 49	25 5	5 30	6 13
T 23	20 17	25 16	2 10	22 11	0 50	22 9	1 15	8 44	0 37	4 19	1 26	21 34	1 23	21 48	0 29	1 24	1 34	0 51	15 26	22 45	22 50	25 5	5 31	6 14
W24	20 5	24 37	1 8	22 17	0 36	22 14	1 12	8 57	0 38	4 19	1 26	21 34	1 23	21 48	0 29	1 25	1 34	0 51	15 27	22 45	22 50	25 4	5 32	6 14
T 25	19 52	22 51	0 3	22 21	0 23	22 19	1 9	9 11	0 39	4 20	1 26	21 35	1 23	21 47	0 29	1 25	1 34	0 51	15 27	22 45	22 50	25 4	5 32	6 14
F 26	19 39	20 3	1n 3	22 23	0 10	22 23	1 6	9 24	0 40	4 20	1 26	21 35	1 23	21 47	0 29	1 26	1 34	0 51	15 27	22 45	22 51	25 3	5 33	6 14
S 27	19 26	16 20	2 7	22 23	0n 3	22 26	1 3	9 38	0 40	4 21	1 27	21 36	1 23	21 46	0 29	1 26	1 34	0 51	15 27	22 45	22 51	25 3	5 34	6 14
S 28	19 13	11 54	3 6	22 21	0 15	22 29	1 1	9 51	0 41	4 21	1 27	21 36	1 23	21 45	0 29	1 27	1 34	0 51	15 28	22 45	22 51	25 2	5 35	6 14
M29	18 59	6 55	3 56	22 16	0 27	22 31	0 58	10 5	0 42	4 21	1 27	21 37	1 23	21 45	0 29	1 27	1 34	0 50	15 28	22 45	22 52	25 2	5 35	6 14
T 30	18 45	1 34	4 36	22 8	0 37	22 32	0 55	10 18	0 43	4 21	1 28	21 37	1 23	21 44	0 29	1 28	1 34	0 50	15 28	22 46	22 52	25 1	5 36	6 15
W31	18n30	3n55	5n 3	21n58	0n48	22n33	0s52	10s32	0s44	4n22	1s28	21n38	1s23	21n43	0n29	1s28	1n34	0n50	15s29	22s46	22s52	25s 1	5s37	6n15

Julian Day Number = 2312568.5, Delta T = 67.02 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'47, Lahiri = 18°32'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

AUGUST 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 36 49	8♌10'40	11♈26	26♋52	5♋50	25♎59	14♈28	18♊54	24♋42	7♎20	12♉28	13°R48	12♑46	24♐16	0°R 2	T 1
F 2	20 40 46	9° 8'09	24°54	28°51	7° 1	26°34	14°28	19° 0	24°45	7°21	12°28	13♑46	12°43	24°22	29♒59	F 2
S 3	20 44 42	10° 5'39	8♉37	0♌51	8°12	27° 9	14°29	19° 6	24°49	7°22	12°28	13°D45	12°40	24°29	29°56	S 3
S 4	20 48 39	11° 3'11	22°37	2°53	9°24	27°44	14°R29	19°12	24°53	7°24	12°28	13°46	12°36	24°36	29°54	S 4
M 5	20 52 35	12° 0'44	6♊52	4°56	10°36	28°20	14°29	19°17	24°56	7°25	12°28	13°47	12°33	24°42	29°51	M 5
T 6	20 56 32	12°58'18	21°20	6°59	11°47	28°55	14°29	19°23	25° 0	7°27	12°29	13°48	12°30	24°49	29°48	T 6
W 7	21 0 29	13°55'55	5♋58	9° 2	12°59	29°31	14°28	19°29	25° 3	7°28	12°29	13°49	12°27	24°56	29°45	W 7
T 8	21 4 25	14°53'32	20°41	11° 5	14°11	0♏ 7	14°27	19°34	25° 7	7°30	12°29	13°R49	12°24	25° 2	29°42	T 8
F 9	21 8 22	15°51'11	5♌23	13° 8	15°23	0°43	14°27	19°40	25°10	7°31	12°29	13°48	12°21	25° 9	29°40	F 9
S 10	21 12 18	16°48'51	19°57	15°10	16°35	1°20	14°26	19°45	25°14	7°33	12°29	13°45	12°17	25°16	29°37	S 10
S 11	21 16 15	17°46'32	4♍17	17°12	17°46	1°56	14°24	19°51	25°17	7°34	12°29	13°41	12°14	25°22	29°34	S 11
M12	21 20 11	18°44'15	18°17	19°13	18°59	2°33	14°23	19°56	25°21	7°36	12°29	13°35	12°11	25°29	29°31	M12
T 13	21 24 8	19°41'58	1♎53	21°13	20°11	3° 9	14°21	20° 1	25°24	7°37	12°R29	13°30	12° 8	25°36	29°28	T 13
W14	21 28 4	20°39'43	15° 5	23°12	21°23	3°46	14°19	20° 6	25°28	7°39	12°29	13°25	12° 5	25°42	29°25	W14
T 15	21 32 1	21°37'29	27°53	25° 9	22°35	4°23	14°17	20°11	25°31	7°41	12°29	13°21	12° 2	25°49	29°22	T 15
F 16	21 35 58	22°35'16	10♏20	27° 6	23°47	5° 1	14°15	20°16	25°34	7°42	12°29	13°18	11°58	25°55	29°19	F 16
S 17	21 39 54	23°33'04	22°31	29° 1	25° 0	5°38	14°13	20°21	25°38	7°44	12°29	13°D17	11°55	26° 2	29°16	S 17
S 18	21 43 51	24°30'54	4♐29	0♏55	26°12	6°16	14°10	20°26	25°41	7°46	12°29	13°18	11°52	26° 9	29°13	S 18
M19	21 47 47	25°28'45	16°19	2°47	27°24	6°53	14° 7	20°31	25°44	7°48	12°29	13°19	11°49	26°15	29°10	M19
T 20	21 51 44	26°26'37	28° 8	4°39	28°37	7°31	14° 4	20°36	25°48	7°49	12°28	13°21	11°46	26°22	29° 7	T 20
W21	21 55 40	27°24'30	9♑59	6°29	29°50	8° 9	14° 1	20°40	25°51	7°51	12°28	13°R22	11°42	26°29	29° 4	W21
T 22	21 59 37	28°22'25	21°57	8°17	1♌ 2	8°47	13°58	20°45	25°54	7°53	12°28	13°21	11°39	26°35	29° 1	T 22
F 23	22 3 33	29°20'21	4♒ 5	10° 4	2°15	9°25	13°54	20°49	25°57	7°55	12°28	13°19	11°36	26°42	28°58	F 23
S 24	22 7 30	0♍18'19	16°26	11°50	3°28	10° 4	13°50	20°54	26° 1	7°57	12°28	13°15	11°33	26°49	28°55	S 24
S 25	22 11 27	1°16'18	29° 2	13°35	4°40	10°42	13°46	20°58	26° 4	7°58	12°27	13° 9	11°30	26°55	28°52	S 25
M26	22 15 23	2°14'19	11♓52	15°19	5°53	11°21	13°42	21° 2	26° 7	8° 0	12°27	13° 1	11°27	27° 2	28°49	M26
T 27	22 19 20	3°12'21	24°58	17° 1	7° 6	12° 0	13°38	21° 6	26°10	8° 2	12°27	12°52	11°23	27° 9	28°46	T 27
W28	22 23 16	4°10'25	8♈17	18°42	8°19	12°39	13°33	21°10	26°13	8° 4	12°27	12°44	11°20	27°15	28°43	W28
T 29	22 27 13	5° 8'31	21°49	20°21	9°32	13°18	13°29	21°14	26°16	8° 6	12°26	12°36	11°17	27°22	28°40	T 29
F 30	22 31 9	6° 6'39	5♉31	22° 0	10°45	13°57	13°24	21°18	26°19	8° 8	12°26	12°31	11°14	27°29	28°37	F 30
S 31	22 35 6	7♍ 4'49	19♉22	23♍37	11♌59	14♏36	13♈19	21♊22	26♋22	8♎10	12♉26	12♑27	11♑11	27♐35	28♒34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n16	9n21	5n14	21n46	0n57	22n33	0s49	10s45	0s45	4n22	1s28	21n38	1s23	21n43	0n29	1s29	1n34	0n50	15s29	22s46	22s53	25s 0	5s38	6n15
F 2	18 1	14 26	5 8	21 30	1 6	22 33	0 46	10 59	0 46	4 22	1 28	21 39	1 23	21 42	0 29	1 29	1 33	0 50	15 29	22 47	22 53	24 59	5 39	6 15
S 3	17 45	18 54	4 45	21 12	1 13	22 32	0 43	11 12	0 47	4 21	1 29	21 39	1 23	21 41	0 29	1 30	1 33	0 49	15 30	22 47	22 53	24 59	5 40	6 15
S 4	17 30	22 25	4 5	20 51	1 20	22 30	0 40	11 26	0 47	4 21	1 29	21 40	1 23	21 41	0 29	1 31	1 33	0 49	15 30	22 47	22 53	24 58	5 41	6 15
M 5	17 14	24 36	3 9	20 28	1 26	22 27	0 37	11 39	0 48	4 21	1 29	21 40	1 23	21 40	0 29	1 31	1 33	0 49	15 30	22 46	22 54	24 58	5 41	6 15
T 6	16 57	25 12	2 0	20 2	1 31	22 24	0 34	11 53	0 49	4 21	1 30	21 41	1 23	21 40	0 29	1 32	1 33	0 49	15 30	22 46	22 54	24 57	5 42	6 15
W 7	16 41	24 4	0 43	19 35	1 36	22 21	0 31	12 6	0 50	4 20	1 30	21 41	1 24	21 39	0 29	1 32	1 33	0 48	15 31	22 46	22 54	24 57	5 43	6 15
T 8	16 24	21 17	0s38	19 5	1 39	22 17	0 28	12 20	0 51	4 20	1 30	21 41	1 24	21 38	0 29	1 33	1 33	0 48	15 31	22 46	22 55	24 56	5 44	6 15
F 9	16 7	17 6	1 55	18 32	1 42	22 12	0 25	12 33	0 51	4 19	1 30	21 42	1 24	21 38	0 29	1 34	1 33	0 48	15 31	22 46	22 55	24 55	5 45	6 15
S 10	15 50	11 56	3 5	17 59	1 44	22 6	0 22	12 47	0 52	4 18	1 31	21 42	1 24	21 37	0 30	1 34	1 33	0 48	15 32	22 47	22 55	24 55	5 46	6 15
S 11	15 32	6 13	4 1	17 23	1 45	22 0	0 19	13 0	0 53	4 18	1 31	21 43	1 24	21 36	0 30	1 35	1 33	0 47	15 32	22 47	22 55	24 54	5 47	6 15
M12	15 14	0 19	4 42	16 46	1 46	21 53	0 16	13 13	0 54	4 17	1 31	21 43	1 24	21 36	0 30	1 36	1 33	0 47	15 32	22 48	22 56	24 54	5 48	6 15
T 13	14 56	5s25	5 5	16 8	1 46	21 46	0 13	13 27	0 54	4 16	1 31	21 43	1 24	21 35	0 30	1 36	1 33	0 47	15 32	22 48	22 56	24 53	5 49	6 15
W14	14 38	10 44	5 11	15 28	1 45	21 38	0 10	13 40	0 55	4 15	1 32	21 44	1 24	21 35	0 30	1 37	1 33	0 47	15 33	22 49	22 56	24 52	5 50	6 15
T 15	14 20	15 26	5 1	14 47	1 44	21 29	0 7	13 53	0 56	4 14	1 32	21 44	1 24	21 34	0 30	1 38	1 33	0 46	15 33	22 49	22 57	24 52	5 51	6 15
F 16	14 1	19 20	4 38	14 6	1 42	21 20	0 4	14 7	0 57	4 13	1 32	21 44	1 24	21 33	0 30	1 38	1 33	0 46	15 33	22 49	22 57	24 51	5 52	6 15
S 17	13 42	22 20	4 2	13 23	1 39	21 10	0 1	14 20	0 57	4 12	1 32	21 44	1 24	21 33	0 30	1 39	1 33	0 46	15 34	22 49	22 57	24 50	5 53	6 15
S 18	13 23	24 17	3 16	12 40	1 36	20 59	0n 2	14 33	0 58	4 10	1 33	21 45	1 24	21 32	0 30	1 40	1 33	0 45	15 34	22 49	22 57	24 50	5 54	6 15
M19	13 3	25 8	2 22	11 57	1 33	20 48	0 5	14 46	0 59	4 9	1 33	21 45	1 24	21 32	0 30	1 41	1 33	0 45	15 34	22 49	22 58	24 49	5 55	6 15
T 20	12 44	24 50	1 22	11 12	1 29	20 37	0 8	14 59	0 59	4 8	1 33	21 45	1 24	21 31	0 30	1 41	1 33	0 45	15 35	22 49	22 58	24 48	5 56	6 15
W21	12 24	23 25	0 18	10 28	1 25	20 24	0 11	15 12	1 0	4 6	1 34	21 46	1 24	21 30	0 30	1 42	1 33	0 44	15 35	22 49	22 58	24 48	5 57	6 15
T 22	12 4	20 56	0n46	9 43	1 20	20 11	0 13	15 25	1 1	4 5	1 34	21 46	1 24	21 30	0 30	1 43	1 33	0 44	15 35	22 49	22 59	24 47	5 58	6 15
F 23	11 44	17 30	1 50	8 58	1 15	19 58	0 16	15 38	1 1	4 3	1 34	21 46	1 24	21 29	0 30	1 43	1 33	0 44	15 35	22 49	22 59	24 46	5 59	6 15
S 24	11 23	13 15	2 49	8 12	1 9	19 44	0 19	15 51	1 2	4 1	1 34	21 46	1 24	21 29	0 30	1 44	1 33	0 43	15 36	22 50	22 59	24 46	6 0	6 15
S 25	11 3	8 23	3 41	7 27	1 4	19 29	0 22	16 3	1 3	4 0	1 34	21 47	1 24	21 28	0 30	1 45	1 33	0 43	15 36	22 50	22 59	24 45	6 2	6 15
M26	10 42	3 4	4 23	6 41	0 58	19 14	0 24	16 16	1 3	3 58	1 35	21 47	1 25	21 28	0 30	1 46	1 33	0 43	15 36	22 51	23 0	24 44	6 3	6 15
T 27	10 21	2n28	4 52	5 56	0 52	18 58	0 27	16 29	1 4	3 56	1 35	21 47	1 25	21 27	0 30	1 46	1 33	0 42	15 37	22 52	23 0	24 44	6 4	6 15
W28	10 0	7 58	5 6	5 10	0 45	18 42	0 30	16 41	1 4	3 54	1 35	21 47	1 25	21 26	0 30	1 47	1 33	0 42	15 37	22 53	23 0	24 43	6 5	6 15
T 29	9 39	13 11	5 3	4 25	0 38	18 25	0 32	16 54	1 5	3 52	1 35	21 47	1 25	21 26	0 30	1 48	1 33	0 42	15 37	22 53	23 1	24 42	6 6	6 15
F 30	9 17	17 49	4 42	3 40	0 32	18 8	0 35	17 6	1 6	3 50	1 36	21 48	1 25	21 25	0 30	1 49	1 33	0 41	15 37	22 54	23 1	24 41	6 7	6 15
S 31	8n56	21n32	4n 6	2n55	0n24	17n50	0n37	17s18	1s 6	3n48	1s36	21n48	1s25	21n25	0n30	1s50	1n33	0n41	15s38	22s54	23s 1	24s41	6s 8	6n14

Julian Day Number = 2312599.5, Delta T = 66.94 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'51, Lahiri = 18°32'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

SEPTEMBER 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 39 2	8♍ 3'01	3♊21	25♍13	13♌12	15♏15	13°R14	21♊25	26♋25	8♎12	12°R25	12°D26	11♑ 8	27♐42	28°R31	S 1
M 2	22 42 59	9° 1'15	17°27	26°48	14°25	15°55	13♈ 9	21°29	26°28	8°14	12♉25	12♑26	11° 4	27°49	28♒28	M 2
T 3	22 46 56	9°59'32	1♋38	28°22	15°38	16°35	13° 3	21°32	26°31	8°16	12°24	12°27	11° 1	27°55	28°26	T 3
W 4	22 50 52	10°57'50	15°55	29°54	16°52	17°14	12°58	21°36	26°34	8°18	12°24	12°R27	10°58	28° 2	28°23	W 4
T 5	22 54 49	11°56'11	0♌13	1♎25	18° 5	17°54	12°52	21°39	26°37	8°20	12°23	12°26	10°55	28° 8	28°20	T 5
F 6	22 58 45	12°54'33	14°30	2°56	19°19	18°34	12°46	21°42	26°40	8°22	12°23	12°22	10°52	28°15	28°17	F 6
S 7	23 2 42	13°52'58	28°42	4°25	20°32	19°14	12°40	21°45	26°43	8°24	12°22	12°16	10°48	28°22	28°14	S 7
S 8	23 6 38	14°51'24	12♍44	5°53	21°46	19°55	12°34	21°48	26°45	8°26	12°22	12° 7	10°45	28°28	28°11	S 8
M 9	23 10 35	15°49'52	26°30	7°19	22°59	20°35	12°27	21°51	26°48	8°28	12°21	11°57	10°42	28°35	28° 8	M 9
T 10	23 14 31	16°48'22	9♎58	8°45	24°13	21°15	12°21	21°54	26°51	8°30	12°21	11°46	10°39	28°42	28° 6	T 10
W11	23 18 28	17°46'54	23° 5	10° 9	25°27	21°56	12°14	21°56	26°53	8°32	12°20	11°36	10°36	28°48	28° 3	W11
T 12	23 22 24	18°45'28	5♏51	11°32	26°41	22°37	12° 7	21°59	26°56	8°35	12°20	11°27	10°33	28°55	28° 0	T 12
F 13	23 26 21	19°44'03	18°18	12°54	27°54	23°18	12° 0	22° 1	26°58	8°37	12°19	11°20	10°29	29° 2	27°57	F 13
S 14	23 30 18	20°42'40	0♐28	14°14	29° 8	23°59	11°54	22° 4	27° 1	8°39	12°18	11°16	10°26	29° 8	27°55	S 14
S 15	23 34 14	21°41'19	12°25	15°33	0♍22	24°40	11°46	22° 6	27° 3	8°41	12°18	11°14	10°23	29°15	27°52	S 15
M16	23 38 11	22°40'00	24°16	16°51	1°36	25°21	11°39	22° 8	27° 6	8°43	12°17	11°D13	10°20	29°22	27°49	M16
T 17	23 42 7	23°38'42	6♑ 4	18° 7	2°50	26° 2	11°32	22°10	27° 8	8°45	12°16	11°R14	10°17	29°28	27°47	T 17
W18	23 46 4	24°37'26	17°56	19°22	4° 4	26°43	11°25	22°12	27°11	8°47	12°16	11°14	10°13	29°35	27°44	W18
T 19	23 50 0	25°36'12	29°57	20°35	5°18	27°25	11°17	22°14	27°13	8°50	12°15	11°12	10°10	29°42	27°42	T 19
F 20	23 53 57	26°35'00	12♒11	21°46	6°32	28° 7	11°10	22°16	27°15	8°52	12°14	11° 8	10° 7	29°48	27°39	F 20
S 21	23 57 53	27°33'49	24°42	22°56	7°47	28°48	11° 2	22°17	27°18	8°54	12°14	11° 2	10° 4	29°55	27°37	S 21
S 22	0 1 50	28°32'40	7♓32	24° 3	9° 1	29°30	10°54	22°19	27°20	8°56	12°13	10°53	10° 1	0♑ 1	27°34	S 22
M23	0 5 47	29°31'33	20°42	25° 9	10°15	0♐12	10°47	22°20	27°22	8°58	12°12	10°42	9°58	0° 8	27°32	M23
T 24	0 9 43	0♎30'28	4♈10	26°12	11°29	0°54	10°39	22°21	27°24	9° 1	12°11	10°30	9°54	0°15	27°30	T 24
W25	0 13 40	1°29'25	17°55	27°13	12°44	1°36	10°31	22°23	27°26	9° 3	12°10	10°18	9°51	0°21	27°27	W25
T 26	0 17 36	2°28'24	1♉53	28°12	13°58	2°18	10°23	22°24	27°28	9° 5	12°10	10° 7	9°48	0°28	27°25	T 26
F 27	0 21 33	3°27'26	15°58	29° 7	15°12	3° 0	10°15	22°25	27°30	9° 7	12° 9	9°58	9°45	0°35	27°23	F 27
S 28	0 25 29	4°26'29	0♊ 7	29°59	16°27	3°43	10° 7	22°26	27°32	9°10	12° 8	9°52	9°42	0°41	27°20	S 28
S 29	0 29 26	5°25'36	14°17	0♏49	17°41	4°25	9°59	22°26	27°34	9°12	12° 7	9°49	9°39	0°48	27°18	S 29
M30	0 33 22	6♎24'44	28♊26	1♏35	18♍56	5♐ 8	9♈51	22♊27	27♋36	9♎14	12♉ 6	9♑48	9♑35	0♑55	27♒16	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n34	24n 2	3n14	2n10	0n17	17n31	0n40	17s30	1s 7	3n46	1s36	21n48	1s25	21n24	0n30	1s50	1n33	0n41	15s38	22s54	23s 1	24s40	6s 9	6n14
M 2	8 12	25 3	2 10	1 26	0 10	17 13	0 42	17 42	1 7	3 43	1 36	21 48	1 25	21 24	0 30	1 51	1 33	0 40	15 38	22 54	23 2	24 39	6 10	6 14
T 3	7 50	24 26	0 58	0 41	0 2	16 53	0 44	17 54	1 8	3 41	1 36	21 48	1 25	21 23	0 30	1 52	1 33	0 40	15 38	22 54	23 2	24 39	6 12	6 14
W 4	7 28	22 14	0s19	0s 2	0s 5	16 33	0 47	18 6	1 8	3 39	1 37	21 48	1 25	21 23	0 30	1 53	1 33	0 39	15 39	22 54	23 2	24 38	6 13	6 14
T 5	7 6	18 37	1 34	0 46	0 13	16 13	0 49	18 18	1 9	3 36	1 37	21 48	1 25	21 22	0 30	1 54	1 33	0 39	15 39	22 54	23 2	24 37	6 14	6 14
F 6	6 44	13 55	2 43	1 29	0 21	15 52	0 51	18 30	1 9	3 34	1 37	21 49	1 25	21 22	0 30	1 55	1 32	0 39	15 39	22 55	23 3	24 36	6 15	6 14
S 7	6 21	8 30	3 41	2 12	0 29	15 31	0 53	18 41	1 10	3 31	1 37	21 49	1 25	21 21	0 30	1 55	1 32	0 38	15 39	22 55	23 3	24 35	6 16	6 13
S 8	5 59	2 43	4 25	2 54	0 37	15 9	0 55	18 53	1 10	3 29	1 37	21 49	1 25	21 21	0 30	1 56	1 32	0 38	15 40	22 56	23 3	24 35	6 17	6 13
M 9	5 36	3s 5	4 53	3 35	0 44	14 47	0 57	19 4	1 11	3 26	1 37	21 49	1 26	21 20	0 30	1 57	1 32	0 37	15 40	22 57	23 3	24 34	6 18	6 13
T 10	5 13	8 36	5 3	4 17	0 52	14 24	0 59	19 15	1 11	3 23	1 38	21 49	1 26	21 20	0 30	1 58	1 32	0 37	15 40	22 58	23 4	24 33	6 19	6 13
W11	4 50	13 35	4 57	4 57	1 0	14 1	1 1	19 27	1 12	3 21	1 38	21 49	1 26	21 19	0 30	1 59	1 32	0 37	15 40	22 59	23 4	24 32	6 20	6 13
T 12	4 27	17 51	4 37	5 37	1 8	13 38	1 3	19 37	1 12	3 18	1 38	21 49	1 26	21 19	0 30	2 0	1 32	0 36	15 41	23 0	23 4	24 31	6 22	6 13
F 13	4 4	21 12	4 3	6 17	1 16	13 14	1 5	19 48	1 13	3 15	1 38	21 49	1 26	21 18	0 30	2 0	1 32	0 36	15 41	23 0	23 4	24 31	6 23	6 12
S 14	3 41	23 32	3 19	6 55	1 24	12 50	1 7	19 59	1 13	3 12	1 38	21 49	1 26	21 18	0 30	2 1	1 32	0 35	15 41	23 1	23 5	24 30	6 24	6 12
S 15	3 18	24 46	2 27	7 33	1 32	12 26	1 8	20 10	1 13	3 9	1 38	21 49	1 26	21 17	0 30	2 2	1 32	0 35	15 41	23 1	23 5	24 29	6 25	6 12
M16	2 55	24 51	1 29	8 10	1 40	12 1	1 10	20 20	1 14	3 6	1 38	21 49	1 26	21 17	0 30	2 3	1 32	0 35	15 42	23 1	23 5	24 28	6 26	6 12
T 17	2 32	23 48	0 27	8 47	1 48	11 36	1 12	20 30	1 14	3 4	1 39	21 49	1 26	21 16	0 30	2 4	1 32	0 34	15 42	23 1	23 5	24 27	6 27	6 11
W18	2 8	21 42	0n36	9 22	1 55	11 10	1 13	20 40	1 15	3 1	1 39	21 49	1 26	21 16	0 30	2 5	1 32	0 34	15 42	23 1	23 6	24 26	6 28	6 11
T 19	1 45	18 37	1 38	9 57	2 3	10 44	1 14	20 50	1 15	2 58	1 39	21 50	1 26	21 15	0 30	2 6	1 32	0 33	15 42	23 1	23 6	24 26	6 29	6 11
F 20	1 22	14 41	2 36	10 31	2 10	10 18	1 16	21 0	1 15	2 55	1 39	21 50	1 26	21 15	0 30	2 6	1 32	0 33	15 43	23 1	23 6	24 25	6 30	6 11
S 21	0 58	10 2	3 29	11 4	2 18	9 52	1 17	21 10	1 16	2 51	1 39	21 50	1 26	21 15	0 31	2 7	1 32	0 33	15 43	23 2	23 6	24 24	6 31	6 11
S 22	0 35	4 52	4 12	11 35	2 25	9 25	1 18	21 19	1 16	2 48	1 39	21 50	1 27	21 14	0 31	2 8	1 32	0 32	15 43	23 3	23 7	24 23	6 32	6 10
M23	0 11	0n38	4 43	12 6	2 32	8 58	1 20	21 29	1 16	2 45	1 39	21 50	1 27	21 14	0 31	2 9	1 32	0 32	15 43	23 3	23 7	24 22	6 34	6 10
T 24	0s12	6 14	4 59	12 36	2 38	8 31	1 21	21 38	1 17	2 42	1 39	21 50	1 27	21 13	0 31	2 10	1 32	0 31	15 43	23 4	23 7	24 21	6 35	6 10
W25	0 36	11 38	4 58	13 4	2 45	8 3	1 22	21 47	1 17	2 39	1 39	21 50	1 27	21 13	0 31	2 11	1 32	0 31	15 44	23 5	23 7	24 20	6 36	6 9
T 26	0 59	16 31	4 40	13 31	2 51	7 36	1 23	21 56	1 17	2 36	1 39	21 50	1 27	21 13	0 31	2 12	1 32	0 31	15 44	23 6	23 8	24 20	6 37	6 9
F 27	1 23	20 32	4 4	13 56	2 56	7 8	1 24	22 4	1 18	2 33	1 39	21 50	1 27	21 12	0 31	2 13	1 32	0 30	15 44	23 7	23 8	24 19	6 38	6 9
S 28	1 46	23 22	3 13	14 20	3 2	6 39	1 25	22 13	1 18	2 30	1 39	21 49	1 27	21 12	0 31	2 13	1 32	0 30	15 44	23 7	23 8	24 18	6 39	6 9
S 29	2 10	24 43	2 11	14 42	3 7	6 11	1 25	22 21	1 18	2 26	1 39	21 49	1 27	21 12	0 31	2 14	1 32	0 29	15 44	23 8	23 8	24 17	6 40	6 8
M30	2s33	24n29	1n 0	15s 2	3s11	5n42	1n26	22s29	1s19	2n23	1s39	21n49	1s27	21n11	0n31	2s15	1n32	0n29	15s44	23s 8	23s 9	24s16	6s41	6n 8

Julian Day Number = 2312630.5, Delta T = 66.86 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'55, Lahiri = 18°32'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

OCTOBER 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 37 19	7♎23'55	12♋32	2♏17	20♍10	5♐50	9°R43	22♊27	27♋38	9♎16	12°R 5	9°R48	9♑32	1♑ 1	27°R14	T 1
W 2	0 41 16	8°23'08	26°34	2°55	21°25	6°33	9♈35	22°28	27°39	9°19	12♉ 4	9♑47	9°29	1° 8	27♒12	W 2
T 3	0 45 12	9°22'24	10♌32	3°28	22°40	7°16	9°27	22°28	27°41	9°21	12° 4	9°45	9°26	1°15	27°10	T 3
F 4	0 49 9	10°21'42	24°25	3°56	23°54	7°59	9°19	22°28	27°43	9°23	12° 3	9°41	9°23	1°21	27° 8	F 4
S 5	0 53 5	11°21'02	8♍11	4°19	25° 9	8°42	9°11	22°R28	27°44	9°25	12° 2	9°33	9°19	1°28	27° 6	S 5
S 6	0 57 2	12°20'24	21°48	4°35	26°24	9°25	9° 2	22°28	27°46	9°27	12° 1	9°22	9°16	1°34	27° 4	S 6
M 7	1 0 58	13°19'48	5♎12	4°45	27°38	10° 8	8°54	22°28	27°47	9°30	12° 0	9°10	9°13	1°41	27° 3	M 7
T 8	1 4 55	14°19'15	18°23	4°R49	28°53	10°51	8°46	22°28	27°49	9°32	11°59	8°57	9°10	1°48	27° 1	T 8
W 9	1 8 51	15°18'43	1♏17	4°44	0♎ 8	11°35	8°38	22°28	27°50	9°34	11°58	8°44	9° 7	1°54	26°59	W 9
T 10	1 12 48	16°18'14	13°54	4°32	1°23	12°18	8°30	22°27	27°52	9°36	11°57	8°32	9° 4	2° 1	26°57	T 10
F 11	1 16 45	17°17'46	26°15	4°12	2°38	13° 2	8°23	22°26	27°53	9°39	11°56	8°24	9° 0	2° 8	26°56	F 11
S 12	1 20 41	18°17'21	8♐22	3°43	3°53	13°46	8°15	22°26	27°54	9°41	11°55	8°17	8°57	2°14	26°54	S 12
S 13	1 24 38	19°16'57	20°17	3° 5	5° 8	14°29	8° 7	22°25	27°55	9°43	11°54	8°14	8°54	2°21	26°53	S 13
M14	1 28 34	20°16'35	2♑ 6	2°19	6°23	15°13	7°59	22°24	27°57	9°45	11°53	8°13	8°51	2°28	26°51	M14
T 15	1 32 31	21°16'15	13°54	1°25	7°38	15°57	7°51	22°23	27°58	9°47	11°52	8°D13	8°48	2°34	26°50	T 15
W16	1 36 27	22°15'57	25°45	0°23	8°53	16°41	7°44	22°22	27°59	9°50	11°51	8°R13	8°45	2°41	26°49	W16
T 17	1 40 24	23°15'40	7♒45	29♎16	10° 8	17°25	7°36	22°21	28° 0	9°52	11°50	8°12	8°41	2°48	26°47	T 17
F 18	1 44 20	24°15'25	20° 0	28° 3	11°23	18° 9	7°29	22°19	28° 1	9°54	11°49	8° 9	8°38	2°54	26°46	F 18
S 19	1 48 17	25°15'12	2♓34	26°48	12°38	18°53	7°22	22°18	28° 1	9°56	11°48	8° 4	8°35	3° 1	26°45	S 19
S 20	1 52 14	26°15'00	15°31	25°32	13°53	19°37	7°14	22°16	28° 2	9°58	11°46	7°56	8°32	3° 8	26°44	S 20
M21	1 56 10	27°14'50	28°52	24°18	15° 8	20°22	7° 7	22°14	28° 3	10° 1	11°45	7°46	8°29	3°14	26°43	M21
T 22	2 0 7	28°14'42	12♈38	23° 7	16°23	21° 6	7° 0	22°13	28° 4	10° 3	11°44	7°35	8°25	3°21	26°42	T 22
W23	2 4 3	29°14'36	26°44	22° 3	17°38	21°51	6°53	22°11	28° 4	10° 5	11°43	7°24	8°22	3°27	26°41	W23
T 24	2 8 0	0♏14'32	11♉ 7	21° 7	18°53	22°35	6°46	22° 9	28° 5	10° 7	11°42	7°14	8°19	3°34	26°40	T 24
F 25	2 11 56	1°14'30	25°39	20°20	20° 8	23°20	6°40	22° 7	28° 6	10° 9	11°41	7° 6	8°16	3°41	26°39	F 25
S 26	2 15 53	2°14'30	10♊15	19°44	21°24	24° 4	6°33	22° 4	28° 6	10°11	11°40	7° 0	8°13	3°47	26°39	S 26
S 27	2 19 49	3°14'32	24°47	19°19	22°39	24°49	6°27	22° 2	28° 7	10°13	11°39	6°58	8°10	3°54	26°38	S 27
M28	2 23 46	4°14'36	9♋11	19° 5	23°54	25°34	6°21	22° 0	28° 7	10°15	11°38	6°D57	8° 6	4° 1	26°37	M28
T 29	2 27 43	5°14'42	23°25	19°D 4	25° 9	26°19	6°14	21°57	28° 7	10°17	11°37	6°58	8° 3	4° 7	26°37	T 29
W30	2 31 39	6°14'51	7♌26	19°13	26°24	27° 4	6° 8	21°55	28° 8	10°20	11°35	6°R58	8° 0	4°14	26°36	W30
T 31	2 35 36	7♏15'01	21♌15	19♎33	27♎40	27♐49	6♈ 3	21♊52	28♋ 8	10♎22	11♉34	6♑57	7♑57	4♑21	26♒36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2s57	22n39	0s14	15s21	3s15	5n14	1n27	22s37	1s19	2n20	1s39	21n49	1s27	21n11	0n31	2s16	1n32	0n28	15s45	23s 8	23s 9	24s15	6s42	6n 8
W 2	3 20	19 27	1 27	15 37	3 19	4 45	1 27	22 45	1 19	2 17	1 39	21 49	1 27	21 11	0 31	2 17	1 32	0 28	15 45	23 8	23 9	24 14	6 43	6 7
T 3	3 43	15 9	2 35	15 51	3 21	4 16	1 28	22 52	1 19	2 14	1 39	21 49	1 27	21 10	0 31	2 18	1 32	0 28	15 45	23 8	23 9	24 13	6 44	6 7
F 4	4 7	10 4	3 32	16 3	3 23	3 46	1 28	23 0	1 20	2 11	1 39	21 49	1 27	21 10	0 31	2 19	1 32	0 27	15 45	23 8	23 9	24 12	6 45	6 7
S 5	4 30	4 32	4 17	16 11	3 24	3 17	1 29	23 7	1 20	2 7	1 39	21 49	1 28	21 10	0 31	2 20	1 32	0 27	15 45	23 9	23 10	24 11	6 46	6 6
S 6	4 53	1s 8	4 46	16 17	3 25	2 48	1 29	23 14	1 20	2 4	1 39	21 49	1 28	21 10	0 31	2 20	1 32	0 26	15 45	23 9	23 10	24 10	6 46	6 6
M 7	5 16	6 39	5 0	16 20	3 24	2 18	1 29	23 21	1 20	2 1	1 39	21 49	1 28	21 9	0 31	2 21	1 32	0 26	15 46	23 10	23 10	24 9	6 47	6 6
T 8	5 39	11 47	4 56	16 19	3 22	1 48	1 29	23 27	1 21	1 58	1 39	21 49	1 28	21 9	0 31	2 22	1 32	0 26	15 46	23 11	23 10	24 8	6 48	6 5
W 9	6 3	16 17	4 38	16 15	3 19	1 19	1 29	23 33	1 21	1 55	1 39	21 49	1 28	21 9	0 31	2 23	1 32	0 25	15 46	23 12	23 11	24 7	6 49	6 5
T 10	6 25	19 57	4 6	16 6	3 14	0 49	1 29	23 39	1 21	1 52	1 39	21 49	1 28	21 9	0 31	2 24	1 32	0 25	15 46	23 13	23 11	24 6	6 50	6 5
F 11	6 48	22 38	3 23	15 53	3 8	0 19	1 29	23 45	1 21	1 49	1 39	21 49	1 28	21 8	0 31	2 25	1 32	0 24	15 46	23 13	23 11	24 5	6 51	6 4
S 12	7 11	24 14	2 31	15 36	3 0	0s11	1 29	23 51	1 21	1 46	1 39	21 48	1 28	21 8	0 31	2 26	1 32	0 24	15 46	23 14	23 11	24 4	6 52	6 4
S 13	7 34	24 41	1 34	15 14	2 50	0 41	1 29	23 56	1 22	1 43	1 39	21 48	1 28	21 8	0 31	2 26	1 32	0 24	15 46	23 14	23 11	24 3	6 53	6 4
M14	7 56	24 1	0 32	14 47	2 39	1 11	1 29	24 1	1 22	1 40	1 39	21 48	1 28	21 8	0 31	2 27	1 32	0 23	15 46	23 14	23 12	24 2	6 53	6 3
T 15	8 19	22 16	0n30	14 16	2 26	1 41	1 28	24 6	1 22	1 37	1 39	21 48	1 28	21 7	0 31	2 28	1 32	0 23	15 46	23 14	23 12	24 1	6 54	6 3
W16	8 41	19 32	1 32	13 40	2 11	2 11	1 28	24 11	1 22	1 34	1 38	21 48	1 28	21 7	0 31	2 29	1 32	0 22	15 47	23 14	23 12	24 0	6 55	6 3
T 17	9 3	15 57	2 30	13 0	1 54	2 40	1 28	24 15	1 22	1 31	1 38	21 48	1 28	21 7	0 31	2 30	1 33	0 22	15 47	23 14	23 12	23 59	6 56	6 2
F 18	9 25	11 38	3 23	12 18	1 36	3 10	1 27	24 20	1 22	1 28	1 38	21 48	1 28	21 7	0 31	2 31	1 33	0 22	15 47	23 14	23 12	23 58	6 57	6 2
S 19	9 47	6 44	4 7	11 32	1 16	3 40	1 27	24 24	1 22	1 26	1 38	21 48	1 28	21 7	0 31	2 32	1 33	0 21	15 47	23 15	23 13	23 57	6 57	6 1
S 20	10 9	1 25	4 40	10 46	0 56	4 10	1 26	24 27	1 23	1 23	1 38	21 47	1 28	21 7	0 32	2 32	1 33	0 21	15 47	23 15	23 13	23 56	6 58	6 1
M21	10 31	4n 7	4 59	9 59	0 35	4 40	1 25	24 31	1 23	1 20	1 38	21 47	1 29	21 7	0 32	2 33	1 33	0 21	15 47	23 16	23 13	23 55	6 59	6 1
T 22	10 52	9 37	5 1	9 14	0 15	5 9	1 24	24 34	1 23	1 17	1 38	21 47	1 29	21 6	0 32	2 34	1 33	0 20	15 47	23 16	23 13	23 54	6 59	6 0
W23	11 14	14 46	4 46	8 31	0n 5	5 39	1 24	24 37	1 23	1 15	1 37	21 47	1 29	21 6	0 32	2 35	1 33	0 20	15 47	23 17	23 13	23 53	7 0	6 0
T 24	11 35	19 11	4 12	7 52	0 25	6 8	1 23	24 40	1 23	1 12	1 37	21 47	1 29	21 6	0 32	2 36	1 33	0 20	15 47	23 17	23 14	23 52	7 1	6 0
F 25	11 56	22 28	3 21	7 18	0 43	6 38	1 22	24 42	1 23	1 10	1 37	21 47	1 29	21 6	0 32	2 36	1 33	0 19	15 47	23 18	23 14	23 51	7 1	5 59
S 26	12 17	24 18	2 17	6 48	1 0	7 7	1 21	24 44	1 23	1 7	1 37	21 46	1 29	21 6	0 32	2 37	1 33	0 19	15 47	23 18	23 14	23 50	7 2	5 59
S 27	12 37	24 28	1 5	6 25	1 15	7 36	1 20	24 46	1 23	1 5	1 37	21 46	1 29	21 6	0 32	2 38	1 33	0 18	15 47	23 18	23 14	23 49	7 3	5 58
M28	12 58	22 58	0s12	6 7	1 29	8 5	1 19	24 48	1 23	1 3	1 37	21 46	1 29	21 6	0 32	2 39	1 33	0 18	15 47	23 18	23 14	23 48	7 3	5 58
T 29	13 18	20 2	1 27	5 56	1 40	8 33	1 17	24 49	1 23	1 1	1 36	21 46	1 29	21 6	0 32	2 40	1 33	0 18	15 47	23 18	23 15	23 47	7 4	5 58
W30	13 38	15 57	2 35	5 50	1 50	9 2	1 16	24 51	1 23	0 58	1 36	21 46	1 29	21 6	0 32	2 40	1 33	0 17	15 47	23 18	23 15	23 46	7 4	5 57
T 31	13s58	11n 4	3s34	5s50	1n58	9s30	1n15	24s51	1s23	0n56	1s36	21n46	1s29	21n 6	0n32	2s41	1n33	0n17	15s47	23s18	23s15	23s45	7s 5	5n57

Julian Day Number = 2312660.5, Delta T = 66.79 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°25'59, Lahiri = 18°33'00Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1619
geocentric

NOVEMBER 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 39 32	8♏15'14	4♍52	20♎ 2	28♎55	28♐34	5°R57	21°R49	28♋ 8	10♎24	11°R33	6°R54	7♑54	4♑27	26°R35	F 1
S 2	2 43 29	9°15'29	18°17	20°41	0♏10	29°19	5♈51	21♊46	28° 8	10°26	11♉32	6♑48	7°50	4°34	26♒35	S 2
S 3	2 47 25	10°15'45	1♎30	21°27	1°26	0♑ 4	5°46	21°43	28° 8	10°28	11°31	6°40	7°47	4°41	26°35	S 3
M 4	2 51 22	11°16'04	14°31	22°21	2°41	0°50	5°41	21°40	28°R 8	10°30	11°30	6°31	7°44	4°47	26°35	M 4
T 5	2 55 18	12°16'24	27°19	23°20	3°56	1°35	5°36	21°37	28° 8	10°32	11°29	6°20	7°41	4°54	26°34	T 5
W 6	2 59 15	13°16'47	9♏55	24°26	5°12	2°20	5°31	21°34	28° 8	10°34	11°28	6°10	7°38	5° 0	26°34	W 6
T 7	3 3 11	14°17'11	22°18	25°35	6°27	3° 6	5°26	21°30	28° 8	10°36	11°26	6° 1	7°35	5° 7	26°D34	T 7
F 8	3 7 8	15°17'36	4♐30	26°49	7°43	3°51	5°22	21°27	28° 8	10°37	11°25	5°55	7°31	5°14	26°34	F 8
S 9	3 11 5	16°18'04	16°30	28° 7	8°58	4°37	5°17	21°23	28° 7	10°39	11°24	5°50	7°28	5°20	26°34	S 9
S 10	3 15 1	17°18'32	28°22	29°27	10°13	5°23	5°13	21°20	28° 7	10°41	11°23	5°48	7°25	5°27	26°35	S 10
M11	3 18 58	18°19'03	10♑10	0♏50	11°29	6° 8	5° 9	21°16	28° 7	10°43	11°22	5°D48	7°22	5°34	26°35	M11
T 12	3 22 54	19°19'34	21°56	2°15	12°44	6°54	5° 6	21°12	28° 6	10°45	11°21	5°49	7°19	5°40	26°35	T 12
W13	3 26 51	20°20'07	3♒45	3°42	14° 0	7°40	5° 2	21° 8	28° 6	10°47	11°20	5°50	7°16	5°47	26°35	W13
T 14	3 30 47	21°20'41	15°43	5°10	15°15	8°26	4°59	21° 5	28° 5	10°49	11°19	5°R51	7°12	5°54	26°36	T 14
F 15	3 34 44	22°21'17	27°56	6°39	16°30	9°11	4°55	21° 1	28° 5	10°50	11°18	5°51	7° 9	6° 0	26°36	F 15
S 16	3 38 41	23°21'53	10♓27	8°10	17°46	9°57	4°52	20°57	28° 4	10°52	11°16	5°50	7° 6	6° 7	26°37	S 16
S 17	3 42 37	24°22'31	23°21	9°41	19° 1	10°43	4°50	20°52	28° 3	10°54	11°15	5°46	7° 3	6°14	26°37	S 17
M18	3 46 34	25°23'10	6♈43	11°12	20°17	11°29	4°47	20°48	28° 3	10°56	11°14	5°41	7° 0	6°20	26°38	M18
T 19	3 50 30	26°23'50	20°32	12°45	21°32	12°15	4°45	20°44	28° 2	10°57	11°13	5°35	6°56	6°27	26°39	T 19
W20	3 54 27	27°24'31	4♉47	14°17	22°48	13° 2	4°42	20°40	28° 1	10°59	11°12	5°29	6°53	6°34	26°40	W20
T 21	3 58 23	28°25'14	19°24	15°50	24° 3	13°48	4°40	20°35	28° 0	11° 1	11°11	5°23	6°50	6°40	26°40	T 21
F 22	4 2 20	29°25'58	4♊17	17°24	25°19	14°34	4°39	20°31	27°59	11° 2	11°10	5°18	6°47	6°47	26°41	F 22
S 23	4 6 16	0♐26'43	19°16	18°57	26°34	15°20	4°37	20°26	27°58	11° 4	11° 9	5°16	6°44	6°53	26°42	S 23
S 24	4 10 13	1°27'29	4♋14	20°30	27°50	16° 6	4°36	20°22	27°57	11° 6	11° 8	5°D15	6°41	7° 0	26°43	S 24
M25	4 14 10	2°28'17	19° 2	22° 4	29° 5	16°53	4°35	20°17	27°56	11° 7	11° 7	5°15	6°37	7° 7	26°44	M25
T 26	4 18 6	3°29'07	3♌34	23°38	0♐21	17°39	4°34	20°13	27°55	11° 9	11° 6	5°17	6°34	7°13	26°46	T 26
W27	4 22 3	4°29'58	17°48	25°12	1°36	18°26	4°33	20° 8	27°54	11°10	11° 5	5°18	6°31	7°20	26°47	W27
T 28	4 25 59	5°30'50	1♍42	26°45	2°52	19°12	4°32	20° 3	27°52	11°12	11° 4	5°R19	6°28	7°27	26°48	T 28
F 29	4 29 56	6°31'43	15°16	28°19	4° 7	19°58	4°32	19°59	27°51	11°13	11° 3	5°19	6°25	7°33	26°49	F 29
S 30	4 33 52	7♐32'38	28♍30	29♏53	5♐23	20♑45	4°D32	19♊54	27♋50	11♎15	11♉ 2	5♑17	6♑22	7♑40	26♒51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s17	5n43	4s19	5s55	2n 5	9s58	1n13	24s52	1s23	0n54	1s36	21n45	1s29	21n 6	0n32	2s42	1n33	0n17	15s47	23s19	23s15	23s43	7s 5	5n56
S 2	14 37	0 12	4 50	6 5	2 10	10 26	1 12	24 52	1 23	0 52	1 36	21 45	1 29	21 6	0 32	2 43	1 33	0 16	15 47	23 19	23 15	23 42	7 6	5 56
S 3	14 56	5s15	5 4	6 19	2 13	10 54	1 11	24 53	1 23	0 50	1 35	21 45	1 29	21 6	0 32	2 44	1 33	0 16	15 47	23 19	23 16	23 41	7 6	5 55
M 4	15 15	10 22	5 2	6 37	2 15	11 21	1 9	24 52	1 23	0 48	1 35	21 45	1 29	21 6	0 32	2 44	1 33	0 16	15 47	23 20	23 16	23 40	7 7	5 55
T 5	15 33	14 58	4 45	6 58	2 16	11 48	1 7	24 52	1 23	0 47	1 35	21 44	1 29	21 6	0 32	2 45	1 33	0 16	15 47	23 20	23 16	23 39	7 7	5 55
W 6	15 51	18 50	4 15	7 22	2 16	12 15	1 6	24 51	1 23	0 45	1 35	21 44	1 29	21 6	0 32	2 46	1 33	0 15	15 47	23 21	23 16	23 38	7 8	5 54
T 7	16 10	21 48	3 32	7 49	2 15	12 41	1 4	24 50	1 23	0 43	1 34	21 44	1 29	21 6	0 32	2 46	1 33	0 15	15 47	23 21	23 16	23 37	7 8	5 54
F 8	16 27	23 43	2 41	8 17	2 13	13 7	1 3	24 49	1 23	0 42	1 34	21 44	1 29	21 6	0 32	2 47	1 33	0 15	15 47	23 21	23 16	23 36	7 8	5 53
S 9	16 45	24 30	1 42	8 48	2 11	13 33	1 1	24 47	1 23	0 40	1 34	21 44	1 29	21 6	0 32	2 48	1 33	0 14	15 47	23 22	23 17	23 34	7 9	5 53
S 10	17 2	24 9	0 40	9 19	2 7	13 59	0 59	24 46	1 23	0 39	1 34	21 43	1 29	21 6	0 32	2 49	1 33	0 14	15 47	23 22	23 17	23 33	7 9	5 53
M11	17 19	22 42	0n24	9 52	2 3	14 24	0 57	24 43	1 23	0 37	1 33	21 43	1 29	21 7	0 32	2 49	1 33	0 14	15 47	23 22	23 17	23 32	7 9	5 52
T 12	17 36	20 17	1 26	10 25	1 59	14 49	0 55	24 41	1 23	0 36	1 33	21 43	1 29	21 7	0 32	2 50	1 33	0 14	15 47	23 22	23 17	23 31	7 10	5 52
W13	17 52	16 59	2 26	10 59	1 54	15 13	0 53	24 38	1 23	0 35	1 33	21 43	1 29	21 7	0 32	2 51	1 33	0 13	15 47	23 22	23 17	23 30	7 10	5 51
T 14	18 8	12 59	3 20	11 34	1 49	15 37	0 51	24 36	1 22	0 34	1 33	21 42	1 29	21 7	0 32	2 51	1 33	0 13	15 47	23 22	23 18	23 29	7 10	5 51
F 15	18 24	8 23	4 5	12 9	1 43	16 1	0 49	24 32	1 22	0 33	1 32	21 42	1 29	21 7	0 32	2 52	1 33	0 13	15 47	23 22	23 18	23 27	7 10	5 51
S 16	18 39	3 20	4 41	12 43	1 37	16 24	0 47	24 29	1 22	0 32	1 32	21 42	1 29	21 7	0 32	2 53	1 33	0 13	15 47	23 22	23 18	23 26	7 11	5 50
S 17	18 54	2n 0	5 3	13 18	1 31	16 47	0 45	24 25	1 22	0 31	1 32	21 41	1 29	21 7	0 33	2 53	1 33	0 12	15 46	23 22	23 18	23 25	7 11	5 50
M18	19 9	7 25	5 11	13 53	1 25	17 9	0 43	24 21	1 22	0 30	1 31	21 41	1 29	21 8	0 33	2 54	1 33	0 12	15 46	23 22	23 18	23 24	7 11	5 49
T 19	19 23	12 40	5 0	14 27	1 18	17 31	0 41	24 17	1 22	0 30	1 31	21 41	1 29	21 8	0 33	2 55	1 34	0 12	15 46	23 22	23 18	23 23	7 11	5 49
W20	19 37	17 24	4 31	15 1	1 11	17 53	0 39	24 12	1 22	0 29	1 31	21 41	1 29	21 8	0 33	2 55	1 34	0 12	15 46	23 23	23 19	23 21	7 11	5 49
T 21	19 51	21 12	3 44	15 35	1 5	18 14	0 37	24 7	1 22	0 29	1 31	21 40	1 29	21 8	0 33	2 56	1 34	0 12	15 46	23 23	23 19	23 20	7 11	5 48
F 22	20 4	23 41	2 41	16 8	0 58	18 34	0 35	24 2	1 21	0 28	1 30	21 40	1 29	21 8	0 33	2 56	1 34	0 11	15 46	23 23	23 19	23 19	7 11	5 48
S 23	20 17	24 29	1 26	16 41	0 51	18 54	0 32	23 57	1 21	0 28	1 30	21 40	1 29	21 9	0 33	2 57	1 34	0 11	15 46	23 23	23 19	23 18	7 11	5 47
S 24	20 30	23 31	0 6	17 13	0 44	19 14	0 30	23 51	1 21	0 28	1 30	21 39	1 29	21 9	0 33	2 58	1 34	0 11	15 46	23 23	23 19	23 16	7 11	5 47
M25	20 42	20 54	1s15	17 44	0 37	19 33	0 28	23 45	1 21	0 27	1 29	21 39	1 29	21 9	0 33	2 58	1 34	0 11	15 45	23 23	23 19	23 15	7 11	5 47
T 26	20 54	16 59	2 29	18 14	0 30	19 51	0 26	23 39	1 21	0 27	1 29	21 39	1 29	21 9	0 33	2 59	1 34	0 11	15 45	23 23	23 20	23 14	7 11	5 46
W27	21 5	12 9	3 32	18 44	0 23	20 9	0 23	23 33	1 20	0 27	1 29	21 39	1 29	21 10	0 33	2 59	1 34	0 11	15 45	23 23	23 20	23 13	7 11	5 46
T 28	21 16	6 49	4 22	19 13	0 16	20 26	0 21	23 26	1 20	0 27	1 29	21 38	1 29	21 10	0 33	3 0	1 34	0 10	15 45	23 23	23 20	23 11	7 11	5 45
F 29	21 27	1 17	4 55	19 41	0 9	20 43	0 19	23 19	1 20	0 27	1 28	21 38	1 29	21 10	0 33	3 0	1 34	0 10	15 45	23 23	23 20	23 10	7 11	5 45
S 30	21s37	4s10	5s12	20s 8	0n 2	20s59	0n16	23s12	1s20	0n28	1s28	21n38	1s29	21n11	0n33	3s 1	1n34	0n10	15s45	23s23	23s20	23s 9	7s11	5n45

Julian Day Number = 2312691.5, Delta T = 66.71 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'04, Lahiri = 18°33'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1619
geocentric

DECEMBER 1619 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 37 49	8♐33'34	11♎28	1♐27	6♐38	21♑32	4♈32	19°R49	27°R48	11♎16	11°R 1	5°R14	6♑18	7♑47	26♒52	S 1
M 2	4 41 45	9°34'32	24°11	3° 1	7°54	22°18	4°32	19♊44	27♋47	11°17	11♉ 0	5♑11	6°15	7°53	26°54	M 2
T 3	4 45 42	10°35'31	6♏41	4°35	9° 9	23° 5	4°33	19°39	27°45	11°19	10°59	5° 6	6°12	8° 0	26°55	T 3
W 4	4 49 39	11°36'30	18°59	6° 8	10°25	23°51	4°34	19°35	27°44	11°20	10°58	5° 2	6° 9	8° 7	26°57	W 4
T 5	4 53 35	12°37'31	1♐ 7	7°42	11°40	24°38	4°35	19°30	27°42	11°21	10°57	4°58	6° 6	8°13	26°59	T 5
F 6	4 57 32	13°38'33	13° 7	9°16	12°56	25°25	4°36	19°25	27°41	11°23	10°56	4°56	6° 2	8°20	27° 0	F 6
S 7	5 1 28	14°39'36	25° 1	10°50	14°11	26°12	4°37	19°20	27°39	11°24	10°55	4°54	5°59	8°26	27° 2	S 7
S 8	5 5 25	15°40'39	6♑49	12°24	15°27	26°58	4°39	19°15	27°37	11°25	10°54	4°D54	5°56	8°33	27° 4	S 8
M 9	5 9 21	16°41'43	18°36	13°59	16°42	27°45	4°40	19°10	27°36	11°26	10°53	4°55	5°53	8°40	27° 6	M 9
T 10	5 13 18	17°42'48	0♒23	15°33	17°58	28°32	4°42	19° 5	27°34	11°27	10°52	4°56	5°50	8°46	27° 8	T 10
W11	5 17 14	18°43'53	12°13	17° 7	19°13	29°19	4°44	19° 0	27°32	11°29	10°51	4°57	5°47	8°53	27°10	W11
T 12	5 21 11	19°44'58	24°12	18°42	20°29	0♒ 6	4°47	18°55	27°30	11°30	10°51	4°59	5°43	9° 0	27°12	T 12
F 13	5 25 8	20°46'04	6♓23	20°16	21°44	0°53	4°49	18°50	27°28	11°31	10°50	5° 0	5°40	9° 6	27°14	F 13
S 14	5 29 4	21°47'10	18°50	21°51	23° 0	1°39	4°52	18°45	27°26	11°32	10°49	5°R 0	5°37	9°13	27°16	S 14
S 15	5 33 1	22°48'17	1♈38	23°26	24°15	2°26	4°55	18°40	27°24	11°33	10°48	5° 0	5°34	9°20	27°18	S 15
M16	5 36 57	23°49'23	14°51	25° 1	25°31	3°13	4°58	18°35	27°22	11°34	10°47	4°59	5°31	9°26	27°21	M16
T 17	5 40 54	24°50'30	28°31	26°36	26°46	4° 0	5° 2	18°30	27°20	11°35	10°47	4°58	5°28	9°33	27°23	T 17
W18	5 44 50	25°51'37	12♉39	28°12	28° 2	4°47	5° 5	18°25	27°18	11°35	10°46	4°57	5°24	9°40	27°25	W18
T 19	5 48 47	26°52'45	27°14	29°48	29°17	5°34	5° 9	18°20	27°16	11°36	10°45	4°56	5°21	9°46	27°28	T 19
F 20	5 52 43	27°53'52	12♊ 9	1♑24	0♑33	6°21	5°13	18°16	27°14	11°37	10°44	4°55	5°18	9°53	27°30	F 20
S 21	5 56 40	28°55'00	27°19	3° 0	1°48	7° 8	5°17	18°11	27°12	11°38	10°44	4°D55	5°15	10° 0	27°33	S 21
S 22	6 0 37	29°56'08	12♋32	4°36	3° 4	7°55	5°22	18° 6	27° 9	11°39	10°43	4°55	5°12	10° 6	27°35	S 22
M23	6 4 33	0♑57'16	27°41	6°13	4°19	8°42	5°26	18° 1	27° 7	11°40	10°42	4°55	5° 8	10°13	27°38	M23
T 24	6 8 30	1°58'25	12♌35	7°50	5°35	9°29	5°31	17°56	27° 5	11°40	10°42	4°56	5° 5	10°19	27°41	T 24
W25	6 12 26	2°59'34	27° 9	9°27	6°50	10°17	5°36	17°52	27° 3	11°41	10°41	4°56	5° 2	10°26	27°43	W25
T 26	6 16 23	4° 0'43	11♍17	11° 5	8° 6	11° 4	5°41	17°47	27° 0	11°42	10°40	4°56	4°59	10°33	27°46	T 26
F 27	6 20 19	5° 1'53	24°59	12°42	9°21	11°51	5°46	17°42	26°58	11°42	10°40	4°R56	4°56	10°39	27°49	F 27
S 28	6 24 16	6° 3'03	8♎16	14°20	10°37	12°38	5°51	17°38	26°56	11°43	10°39	4°D56	4°53	10°46	27°52	S 28
S 29	6 28 12	7° 4'13	21°10	15°58	11°52	13°25	5°57	17°33	26°53	11°43	10°39	4°56	4°49	10°53	27°54	S 29
M30	6 32 9	8° 5'24	3♏45	17°37	13° 8	14°12	6° 3	17°29	26°51	11°44	10°38	4°56	4°46	10°59	27°57	M30
T 31	6 36 6	9♑ 6'35	16♏ 3	19♑15	14♑23	14♒59	6♈ 9	17♊24	26♋48	11♎44	10♉38	4♑57	4♑43	11♑ 6	28♒ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s47	9s20	5s12	20s34	0s 5	21s14	0n14	23s 4	1s19	0n28	1s28	21n37	1s29	21n11	0n33	3s 1	1n34	0n10	15s44	23s23	23s20	23s 8	7s11	5n44
M 2	21 56	14 0	4 57	21 0	0 12	21 29	0 12	22 56	1 19	0 28	1 27	21 37	1 29	21 11	0 33	3 2	1 34	0 10	15 44	23 23	23 20	23 6	7 11	5 44
T 3	22 5	17 59	4 28	21 24	0 18	21 43	0 9	22 48	1 19	0 29	1 27	21 37	1 29	21 12	0 33	3 2	1 34	0 10	15 44	23 23	23 21	23 5	7 11	5 43
W 4	22 13	21 8	3 47	21 47	0 25	21 57	0 7	22 40	1 19	0 29	1 27	21 36	1 29	21 12	0 33	3 3	1 34	0 10	15 44	23 24	23 21	23 4	7 11	5 43
T 5	22 21	23 18	2 56	22 9	0 31	22 10	0 4	22 32	1 18	0 30	1 26	21 36	1 28	21 12	0 33	3 3	1 34	0 10	15 44	23 24	23 21	23 3	7 10	5 43
F 6	22 29	24 22	1 57	22 31	0 38	22 22	0 2	22 23	1 18	0 31	1 26	21 36	1 28	21 13	0 33	3 4	1 34	0 10	15 44	23 24	23 21	23 1	7 10	5 42
S 7	22 36	24 18	0 54	22 51	0 44	22 33	0s 0	22 14	1 18	0 32	1 26	21 36	1 28	21 13	0 33	3 4	1 34	0 9	15 43	23 24	23 21	23 0	7 10	5 42
S 8	22 43	23 8	0n11	23 9	0 50	22 44	0 3	22 4	1 18	0 32	1 25	21 35	1 28	21 13	0 33	3 5	1 34	0 9	15 43	23 24	23 21	22 59	7 10	5 41
M 9	22 49	20 57	1 15	23 27	0 56	22 55	0 5	21 55	1 17	0 33	1 25	21 35	1 28	21 14	0 33	3 5	1 34	0 9	15 43	23 24	23 21	22 57	7 9	5 41
T 10	22 55	17 53	2 17	23 44	1 2	23 4	0 8	21 45	1 17	0 35	1 25	21 35	1 28	21 14	0 33	3 5	1 35	0 9	15 43	23 24	23 22	22 56	7 9	5 41
W11	23 1	14 5	3 12	23 59	1 8	23 13	0 10	21 35	1 17	0 36	1 25	21 34	1 28	21 14	0 33	3 6	1 35	0 9	15 42	23 24	23 22	22 55	7 9	5 40
T 12	23 6	9 42	4 1	24 13	1 13	23 21	0 12	21 25	1 16	0 37	1 24	21 34	1 28	21 15	0 33	3 6	1 35	0 9	15 42	23 24	23 22	22 53	7 8	5 40
F 13	23 10	4 52	4 39	24 26	1 18	23 29	0 15	21 14	1 16	0 38	1 24	21 34	1 28	21 15	0 33	3 7	1 35	0 9	15 42	23 24	23 22	22 52	7 8	5 40
S 14	23 14	0n15	5 5	24 38	1 23	23 35	0 17	21 4	1 16	0 40	1 24	21 33	1 28	21 16	0 33	3 7	1 35	0 9	15 42	23 24	23 22	22 51	7 8	5 39
S 15	23 18	5 30	5 17	24 48	1 28	23 41	0 19	20 53	1 15	0 41	1 23	21 33	1 28	21 16	0 33	3 7	1 35	0 9	15 42	23 24	23 22	22 49	7 7	5 39
M16	23 21	10 40	5 13	24 57	1 33	23 46	0 22	20 42	1 15	0 43	1 23	21 33	1 27	21 17	0 33	3 8	1 35	0 9	15 41	23 24	23 22	22 48	7 7	5 39
T 17	23 23	15 30	4 51	25 4	1 37	23 51	0 24	20 30	1 15	0 44	1 23	21 32	1 27	21 17	0 33	3 8	1 35	0 9	15 41	23 24	23 23	22 47	7 6	5 38
W18	23 25	19 39	4 12	25 10	1 42	23 55	0 26	20 18	1 14	0 46	1 22	21 32	1 27	21 17	0 33	3 8	1 35	0 9	15 41	23 24	23 23	22 45	7 6	5 38
T 19	23 27	22 44	3 15	25 15	1 46	23 58	0 29	20 7	1 14	0 48	1 22	21 32	1 27	21 18	0 34	3 8	1 35	0 9	15 41	23 24	23 23	22 44	7 5	5 38
F 20	23 28	24 20	2 3	25 18	1 49	24 0	0 31	19 55	1 13	0 49	1 22	21 32	1 27	21 18	0 34	3 9	1 35	0 9	15 40	23 24	23 23	22 43	7 5	5 37
S 21	23 29	24 10	0 42	25 20	1 53	24 2	0 33	19 42	1 13	0 51	1 22	21 31	1 27	21 19	0 34	3 9	1 35	0 9	15 40	23 24	23 23	22 41	7 4	5 37
S 22	23 29	22 12	0s42	25 20	1 56	24 3	0 35	19 30	1 13	0 53	1 21	21 31	1 27	21 19	0 34	3 9	1 35	0 9	15 40	23 24	23 23	22 40	7 4	5 36
M23	23 29	18 39	2 3	25 19	1 59	24 3	0 38	19 17	1 12	0 55	1 21	21 31	1 27	21 20	0 34	3 10	1 35	0 9	15 39	23 24	23 23	22 38	7 3	5 36
T 24	23 28	13 57	3 15	25 16	2 1	24 2	0 40	19 4	1 12	0 58	1 21	21 30	1 26	21 20	0 34	3 10	1 35	0 10	15 39	23 24	23 23	22 37	7 3	5 36
W25	23 27	8 33	4 12	25 12	2 3	24 0	0 42	18 51	1 12	1 0	1 20	21 30	1 26	21 21	0 34	3 10	1 35	0 10	15 39	23 24	23 24	22 36	7 2	5 36
T 26	23 26	2 51	4 52	25 6	2 5	23 58	0 44	18 38	1 11	1 2	1 20	21 30	1 26	21 21	0 34	3 10	1 35	0 10	15 39	23 24	23 24	22 34	7 1	5 35
F 27	23 24	2s48	5 13	24 59	2 7	23 55	0 46	18 24	1 11	1 4	1 20	21 30	1 26	21 22	0 34	3 10	1 36	0 10	15 38	23 24	23 24	22 33	7 1	5 35
S 28	23 21	8 9	5 18	24 50	2 8	23 52	0 48	18 11	1 10	1 7	1 20	21 29	1 26	21 22	0 34	3 10	1 36	0 10	15 38	23 24	23 24	22 31	7 0	5 35
S 29	23 18	12 59	5 6	24 39	2 8	23 47	0 50	17 57	1 10	1 9	1 19	21 29	1 26	21 22	0 34	3 11	1 36	0 10	15 38	23 24	23 24	22 30	6 59	5 34
M30	23 14	17 10	4 39	24 27	2 9	23 42	0 52	17 43	1 9	1 12	1 19	21 29	1 26	21 23	0 34	3 11	1 36	0 10	15 37	23 24	23 24	22 29	6 59	5 34
T 31	23s11	20s30	4s 0	24s13	2s 8	23s36	0s54	17s28	1s 9	1n14	1s19	21n28	1s25	21n23	0n34	3s11	1n36	0n10	15s37	23s24	23s24	22s27	6s58	5n34

Julian Day Number = 2312721.5, Delta T = 66.63 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'08, Lahiri = 18°33'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

JANUARY 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 40 2	10♑ 7'46	28♏ 9	20♑53	15♑38	15♒46	6♈15	17°R20	26°R46	11♎45	10°R37	4♑57	4♑40	11♑13	28♒ 3	W 1
T 2	6 43 59	11° 8'57	10♐ 6	22°32	16°54	16°33	6°21	17♊16	26♋43	11°45	10♉37	4°58	4°37	11°19	28° 6	T 2
F 3	6 47 55	12°10'08	21°58	24°10	18° 9	17°20	6°28	17°11	26°41	11°45	10°36	4°58	4°34	11°26	28° 9	F 3
S 4	6 51 52	13°11'19	3♑46	25°48	19°25	18° 8	6°34	17° 7	26°38	11°46	10°36	4°R59	4°30	11°33	28°13	S 4
S 5	6 55 48	14°12'30	15°33	27°26	20°40	18°55	6°41	17° 3	26°36	11°46	10°35	4°58	4°27	11°39	28°16	S 5
M 6	6 59 45	15°13'40	27°21	29° 3	21°56	19°42	6°48	16°59	26°33	11°46	10°35	4°58	4°24	11°46	28°19	M 6
T 7	7 3 42	16°14'50	9♒13	0♒39	23°11	20°29	6°55	16°55	26°31	11°47	10°34	4°56	4°21	11°53	28°22	T 7
W 8	7 7 38	17°16'00	21°10	2°15	24°26	21°16	7° 3	16°51	26°28	11°47	10°34	4°55	4°18	11°59	28°25	W 8
T 9	7 11 35	18°17'09	3♓14	3°50	25°42	22° 3	7°10	16°47	26°26	11°47	10°34	4°53	4°14	12° 6	28°29	T 9
F 10	7 15 31	19°18'17	15°30	5°23	26°57	22°50	7°18	16°43	26°23	11°47	10°33	4°50	4°11	12°12	28°32	F 10
S 11	7 19 28	20°19'24	27°59	6°54	28°13	23°37	7°25	16°40	26°20	11°47	10°33	4°49	4° 8	12°19	28°35	S 11
S 12	7 23 24	21°20'31	10♈44	8°23	29°28	24°25	7°33	16°36	26°18	11°47	10°33	4°48	4° 5	12°26	28°39	S 12
M13	7 27 21	22°21'37	23°50	9°50	0♒43	25°12	7°41	16°33	26°15	11°R47	10°33	4°D47	4° 2	12°32	28°42	M13
T 14	7 31 17	23°22'42	7♉19	11°13	1°59	25°59	7°50	16°29	26°13	11°47	10°32	4°48	3°59	12°39	28°46	T 14
W15	7 35 14	24°23'46	21°12	12°33	3°14	26°46	7°58	16°26	26°10	11°47	10°32	4°49	3°55	12°46	28°49	W15
T 16	7 39 11	25°24'50	5♊30	13°48	4°29	27°33	8° 7	16°22	26° 7	11°47	10°32	4°50	3°52	12°52	28°53	T 16
F 17	7 43 7	26°25'52	20°11	14°58	5°45	28°20	8°15	16°19	26° 5	11°47	10°32	4°52	3°49	12°59	28°56	F 17
S 18	7 47 4	27°26'53	5♋11	16° 2	7° 0	29° 7	8°24	16°16	26° 2	11°47	10°32	4°R52	3°46	13° 6	29° 0	S 18
S 19	7 51 0	28°27'54	20°22	17° 0	8°15	29°54	8°33	16°13	25°59	11°47	10°31	4°51	3°43	13°12	29° 4	S 19
M20	7 54 57	29°28'54	5♌34	17°50	9°30	0♓41	8°42	16°10	25°57	11°46	10°31	4°50	3°40	13°19	29° 7	M20
T 21	7 58 53	0♒29'52	20°39	18°31	10°46	1°28	8°51	16° 7	25°54	11°46	10°31	4°46	3°36	13°26	29°11	T 21
W22	8 2 50	1°30'50	5♍26	19° 4	12° 1	2°15	9° 1	16° 5	25°52	11°46	10°31	4°43	3°33	13°32	29°15	W22
T 23	8 6 46	2°31'48	19°49	19°26	13°16	3° 2	9°10	16° 2	25°49	11°46	10°31	4°39	3°30	13°39	29°18	T 23
F 24	8 10 43	3°32'44	3♎44	19°38	14°31	3°49	9°20	15°59	25°46	11°45	10°31	4°35	3°27	13°46	29°22	F 24
S 25	8 14 40	4°33'40	17°11	19°R39	15°46	4°36	9°29	15°57	25°44	11°45	10°D31	4°32	3°24	13°52	29°26	S 25
S 26	8 18 36	5°34'35	0♏10	19°29	17° 2	5°23	9°39	15°55	25°41	11°44	10°31	4°D31	3°20	13°59	29°30	S 26
M27	8 22 33	6°35'29	12°45	19° 7	18°17	6°10	9°49	15°52	25°39	11°44	10°31	4°31	3°17	14° 5	29°33	M27
T 28	8 26 29	7°36'23	25° 1	18°35	19°32	6°56	9°59	15°50	25°36	11°44	10°31	4°32	3°14	14°12	29°37	T 28
W29	8 30 26	8°37'16	7♐ 3	17°52	20°47	7°43	10° 9	15°48	25°34	11°43	10°31	4°34	3°11	14°19	29°41	W29
T 30	8 34 22	9°38'08	18°55	17° 0	22° 2	8°30	10°20	15°46	25°31	11°42	10°31	4°36	3° 8	14°25	29°45	T 30
F 31	8 38 19	10♒38'59	0♑42	16♒ 1	23♒17	9♓17	10♈30	15♊45	25♋29	11♎42	10♉32	4°R37	3♑ 5	14♑32	29♒49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 6	22s53	3s11	23s58	2s 7	23s30	0s56	17s14	1s 8	1n17	1s18	21n28	1s25	21n24	0n34	3s11	1n36	0n10	15s37	23s24	23s24	22s26	6s57	5n33
T 2	23 1	24 13	2 14	23 41	2 6	23 22	0 58	16 59	1 8	1 20	1 18	21 28	1 25	21 24	0 34	3 11	1 36	0 11	15 37	23 24	23 24	22 24	6 57	5 33
F 3	22 56	24 26	1 12	23 22	2 4	23 14	1 0	16 44	1 8	1 23	1 18	21 28	1 25	21 25	0 34	3 11	1 36	0 11	15 36	23 24	23 25	22 23	6 56	5 33
S 4	22 50	23 33	0 7	23 2	2 2	23 5	1 1	16 30	1 7	1 26	1 18	21 28	1 25	21 25	0 34	3 11	1 36	0 11	15 36	23 24	23 25	22 21	6 55	5 33
S 5	22 44	21 37	0n58	22 40	1 59	22 56	1 3	16 14	1 7	1 29	1 17	21 27	1 25	21 26	0 34	3 11	1 36	0 11	15 36	23 24	23 25	22 20	6 54	5 32
M 6	22 37	18 45	2 1	22 16	1 55	22 46	1 5	15 59	1 6	1 32	1 17	21 27	1 24	21 26	0 34	3 11	1 36	0 11	15 35	23 24	23 25	22 18	6 53	5 32
T 7	22 30	15 7	2 59	21 51	1 51	22 35	1 6	15 44	1 6	1 35	1 17	21 27	1 24	21 27	0 34	3 11	1 36	0 11	15 35	23 24	23 25	22 17	6 52	5 32
W 8	22 22	10 51	3 49	21 25	1 46	22 23	1 8	15 28	1 5	1 38	1 17	21 27	1 24	21 27	0 34	3 11	1 36	0 12	15 35	23 24	23 25	22 16	6 52	5 31
T 9	22 14	6 9	4 30	20 58	1 40	22 11	1 9	15 12	1 5	1 41	1 16	21 26	1 24	21 28	0 34	3 11	1 36	0 12	15 34	23 24	23 25	22 14	6 51	5 31
F 10	22 6	1 8	4 59	20 29	1 34	21 58	1 11	14 56	1 4	1 44	1 16	21 26	1 24	21 28	0 34	3 11	1 36	0 12	15 34	23 24	23 25	22 13	6 50	5 31
S 11	21 57	4n 0	5 14	19 59	1 26	21 45	1 12	14 40	1 4	1 48	1 16	21 26	1 23	21 29	0 34	3 11	1 36	0 12	15 34	23 24	23 25	22 11	6 49	5 31
S 12	21 48	9 5	5 15	19 28	1 18	21 30	1 14	14 24	1 3	1 51	1 15	21 26	1 23	21 29	0 34	3 11	1 36	0 13	15 33	23 24	23 26	22 10	6 48	5 30
M13	21 38	13 54	4 59	18 56	1 9	21 16	1 15	14 8	1 3	1 54	1 15	21 26	1 23	21 30	0 34	3 11	1 37	0 13	15 33	23 24	23 26	22 8	6 47	5 30
T 14	21 28	18 11	4 27	18 24	0 59	21 0	1 16	13 52	1 2	1 58	1 15	21 26	1 23	21 30	0 34	3 11	1 37	0 13	15 33	23 24	23 26	22 7	6 46	5 30
W15	21 17	21 37	3 39	17 51	0 48	20 44	1 18	13 35	1 2	2 1	1 15	21 25	1 23	21 31	0 34	3 11	1 37	0 13	15 32	23 24	23 26	22 5	6 45	5 30
T 16	21 6	23 49	2 35	17 18	0 37	20 27	1 19	13 18	1 1	2 5	1 14	21 25	1 22	21 31	0 34	3 11	1 37	0 14	15 32	23 24	23 26	22 4	6 44	5 29
F 17	20 55	24 28	1 20	16 46	0 24	20 10	1 20	13 1	1 1	2 9	1 14	21 25	1 22	21 32	0 34	3 11	1 37	0 14	15 32	23 24	23 26	22 2	6 43	5 29
S 18	20 43	23 22	0s 2	16 13	0 10	19 52	1 21	12 44	1 0	2 12	1 14	21 25	1 22	21 32	0 34	3 11	1 37	0 14	15 31	23 24	23 26	22 1	6 42	5 29
S 19	20 31	20 33	1 24	15 42	0n 4	19 34	1 22	12 27	0 59	2 16	1 14	21 25	1 22	21 33	0 34	3 11	1 37	0 14	15 31	23 24	23 26	21 59	6 41	5 29
M20	20 18	16 19	2 41	15 12	0 20	19 15	1 23	12 10	0 59	2 20	1 14	21 25	1 22	21 33	0 34	3 11	1 37	0 15	15 31	23 24	23 26	21 58	6 40	5 29
T 21	20 5	11 4	3 46	14 44	0 36	18 55	1 24	11 53	0 58	2 24	1 13	21 25	1 21	21 34	0 34	3 11	1 37	0 15	15 30	23 24	23 26	21 56	6 39	5 28
W22	19 52	5 17	4 34	14 18	0 53	18 35	1 25	11 36	0 58	2 28	1 13	21 25	1 21	21 34	0 34	3 10	1 37	0 15	15 30	23 24	23 26	21 55	6 38	5 28
T 23	19 38	0s37	5 4	13 55	1 10	18 14	1 25	11 18	0 57	2 31	1 13	21 25	1 21	21 35	0 34	3 10	1 37	0 16	15 30	23 24	23 27	21 53	6 37	5 28
F 24	19 24	6 17	5 14	13 34	1 28	17 53	1 26	11 1	0 57	2 35	1 13	21 25	1 21	21 35	0 34	3 10	1 37	0 16	15 29	23 25	23 27	21 51	6 36	5 28
S 25	19 10	11 28	5 6	13 17	1 45	17 31	1 27	10 43	0 56	2 40	1 12	21 25	1 21	21 36	0 34	3 10	1 37	0 16	15 29	23 25	23 27	21 50	6 35	5 28
S 26	18 55	15 58	4 43	13 4	2 3	17 9	1 27	10 25	0 56	2 44	1 12	21 25	1 20	21 36	0 34	3 10	1 37	0 17	15 29	23 25	23 27	21 48	6 33	5 27
M27	18 40	19 37	4 7	12 54	2 20	16 46	1 28	10 7	0 55	2 48	1 12	21 25	1 20	21 37	0 34	3 9	1 37	0 17	15 28	23 25	23 27	21 47	6 32	5 27
T 28	18 24	22 18	3 20	12 49	2 36	16 23	1 28	9 49	0 54	2 52	1 12	21 25	1 20	21 37	0 34	3 9	1 37	0 17	15 28	23 25	23 27	21 45	6 31	5 27
W29	18 9	23 55	2 25	12 47	2 51	16 0	1 29	9 31	0 54	2 56	1 11	21 25	1 20	21 38	0 34	3 9	1 37	0 18	15 28	23 25	23 27	21 44	6 30	5 27
T 30	17 53	24 26	1 25	12 50	3 5	15 36	1 29	9 13	0 53	3 0	1 11	21 25	1 20	21 38	0 34	3 9	1 38	0 18	15 27	23 25	23 27	21 42	6 29	5 27
F 31	17s36	23s51	0s21	12s56	3n17	15s11	1s29	8s55	0s53	3n 5	1s11	21n25	1s19	21n39	0n34	3s 8	1n38	0n18	15s27	23s24	23s27	21s41	6s28	5n27

Julian Day Number = 2312752.5, Delta T = 66.55 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'12, Lahiri = 18°33'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

FEBRUARY 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 15	11♒39'48	12♉28	14°R56	24♒32	10♓ 4	10♈41	15°R43	25°R26	11°R41	10♉32	4°R36	3♉ 1	14♉39	29♒53	S 1
S 2	8 46 12	12°40'37	24°16	13♒46	25°47	10°51	10°51	15♊41	25♋24	11♎41	10°32	4♉34	2°58	14°45	29°57	S 2
M 3	8 50 9	13°41'25	6♒ 9	12°35	27° 3	11°37	11° 2	15°40	25°21	11°40	10°32	4°30	2°55	14°52	0♓ 0	M 3
T 4	8 54 5	14°42'11	18° 8	11°23	28°18	12°24	11°13	15°38	25°19	11°39	10°32	4°24	2°52	14°59	0° 4	T 4
W 5	8 58 2	15°42'56	0♓17	10°13	29°33	13°11	11°24	15°37	25°16	11°39	10°33	4°17	2°49	15° 5	0° 8	W 5
T 6	9 1 58	16°43'39	12°34	9° 7	0♓48	13°57	11°35	15°36	25°14	11°38	10°33	4° 9	2°46	15°12	0°12	T 6
F 7	9 5 55	17°44'21	25° 2	8° 6	2° 3	14°44	11°46	15°35	25°12	11°37	10°33	4° 1	2°42	15°19	0°16	F 7
S 8	9 9 51	18°45'02	7♈43	7°10	3°18	15°31	11°58	15°34	25° 9	11°36	10°33	3°53	2°39	15°25	0°20	S 8
S 9	9 13 48	19°45'40	20°36	6°22	4°33	16°17	12° 9	15°33	25° 7	11°35	10°34	3°48	2°36	15°32	0°24	S 9
M10	9 17 44	20°46'17	3♉43	5°41	5°47	17° 4	12°20	15°32	25° 5	11°34	10°34	3°44	2°33	15°39	0°28	M10
T 11	9 21 41	21°46'53	17° 8	5° 7	7° 2	17°50	12°32	15°32	25° 2	11°34	10°34	3°D42	2°30	15°45	0°32	T 11
W12	9 25 38	22°47'26	0♊50	4°42	8°17	18°37	12°44	15°31	25° 0	11°33	10°35	3°43	2°26	15°52	0°36	W12
T 13	9 29 34	23°47'58	14°52	4°24	9°32	19°23	12°55	15°31	24°58	11°32	10°35	3°44	2°23	15°58	0°40	T 13
F 14	9 33 31	24°48'28	29°13	4°14	10°47	20°10	13° 7	15°31	24°56	11°31	10°36	3°R44	2°20	16° 5	0°44	F 14
S 15	9 37 27	25°48'56	13♋51	4°D11	12° 2	20°56	13°19	15°31	24°54	11°30	10°36	3°44	2°17	16°12	0°48	S 15
S 16	9 41 24	26°49'22	28°42	4°15	13°16	21°42	13°31	15°D31	24°51	11°29	10°37	3°42	2°14	16°18	0°52	S 16
M17	9 45 20	27°49'46	13♌39	4°25	14°31	22°29	13°43	15°31	24°49	11°28	10°37	3°37	2°11	16°25	0°56	M17
T 18	9 49 17	28°50'09	28°34	4°41	15°46	23°15	13°55	15°31	24°47	11°26	10°38	3°30	2° 7	16°32	1° 1	T 18
W19	9 53 13	29°50'30	13♍19	5° 3	17° 1	24° 1	14° 8	15°31	24°45	11°25	10°38	3°21	2° 4	16°38	1° 5	W19
T 20	9 57 10	0♓50'49	27°44	5°31	18°15	24°48	14°20	15°32	24°43	11°24	10°39	3°11	2° 1	16°45	1° 9	T 20
F 21	10 1 7	1°51'06	11♎45	6° 3	19°30	25°34	14°32	15°32	24°41	11°23	10°39	3° 2	1°58	16°52	1°13	F 21
S 22	10 5 3	2°51'23	25°18	6°40	20°44	26°20	14°45	15°33	24°39	11°22	10°40	2°55	1°55	16°58	1°17	S 22
S 23	10 9 0	3°51'37	8♏24	7°21	21°59	27° 6	14°57	15°34	24°38	11°21	10°40	2°49	1°52	17° 5	1°21	S 23
M24	10 12 56	4°51'50	21° 4	8° 5	23°13	27°52	15°10	15°35	24°36	11°19	10°41	2°46	1°48	17°12	1°25	M24
T 25	10 16 53	5°52'02	3♐23	8°54	24°28	28°38	15°23	15°36	24°34	11°18	10°42	2°D45	1°45	17°18	1°29	T 25
W26	10 20 49	6°52'12	15°26	9°46	25°42	29°24	15°36	15°37	24°32	11°17	10°42	2°45	1°42	17°25	1°33	W26
T 27	10 24 46	7°52'20	27°18	10°41	26°57	0♈10	15°48	15°38	24°31	11°16	10°43	2°R46	1°39	17°32	1°37	T 27
F 28	10 28 42	8°52'27	9♑ 5	11°39	28°11	0°56	16° 1	15°39	24°29	11°14	10°44	2°46	1°36	17°38	1°41	F 28
S 29	10 32 39	9♓52'33	20♑51	12♒39	29♓26	1♈42	16♈14	15♊41	24♋27	11♎13	10♉45	2♑44	1♑32	17♑45	1♓45	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s19	22s12	0n43	13s 6	3n27	14s46	1s29	8s37	0s52	3n 9	1s11	21n25	1s19	21n39	0n34	3s 8	1n38	0n19	15s27	23s25	23s27	21s39	6s26	5n26
S 2	17 2	19 35	1 45	13 18	3 34	14 21	1 30	8 18	0 51	3 13	1 11	21 25	1 19	21 40	0 34	3 8	1 38	0 19	15 26	23 25	23 27	21 37	6 25	5 26
M 3	16 45	16 8	2 43	13 34	3 39	13 56	1 30	8 0	0 51	3 18	1 10	21 25	1 19	21 40	0 34	3 7	1 38	0 19	15 26	23 25	23 27	21 36	6 24	5 26
T 4	16 27	12 1	3 35	13 51	3 42	13 29	1 30	7 42	0 50	3 22	1 10	21 25	1 18	21 41	0 34	3 7	1 38	0 20	15 26	23 25	23 27	21 34	6 23	5 26
W 5	16 9	7 24	4 17	14 9	3 42	13 3	1 29	7 23	0 50	3 27	1 10	21 25	1 18	21 41	0 34	3 7	1 38	0 20	15 25	23 25	23 28	21 33	6 21	5 26
T 6	15 51	2 26	4 47	14 28	3 40	12 36	1 29	7 5	0 49	3 31	1 10	21 25	1 18	21 41	0 34	3 6	1 38	0 21	15 25	23 25	23 28	21 31	6 20	5 26
F 7	15 33	2n41	5 5	14 48	3 36	12 9	1 29	6 46	0 48	3 36	1 10	21 25	1 18	21 42	0 34	3 6	1 38	0 21	15 25	23 26	23 28	21 29	6 19	5 26
S 8	15 14	7 47	5 8	15 8	3 30	11 42	1 29	6 27	0 48	3 40	1 9	21 25	1 18	21 42	0 34	3 6	1 38	0 21	15 24	23 26	23 28	21 28	6 18	5 26
S 9	14 55	12 37	4 56	15 27	3 23	11 14	1 28	6 9	0 47	3 45	1 9	21 25	1 17	21 43	0 34	3 5	1 38	0 22	15 24	23 26	23 28	21 26	6 16	5 25
M10	14 36	16 59	4 28	15 46	3 14	10 46	1 28	5 50	0 47	3 50	1 9	21 26	1 17	21 43	0 34	3 5	1 38	0 22	15 24	23 26	23 28	21 25	6 15	5 25
T 11	14 17	20 34	3 45	16 3	3 3	10 18	1 28	5 31	0 46	3 54	1 9	21 26	1 17	21 44	0 34	3 5	1 38	0 23	15 23	23 26	23 28	21 23	6 14	5 25
W12	13 57	23 6	2 48	16 20	2 53	9 49	1 27	5 12	0 45	3 59	1 9	21 26	1 17	21 44	0 34	3 4	1 38	0 23	15 23	23 26	23 28	21 21	6 12	5 25
T 13	13 37	24 17	1 40	16 36	2 41	9 21	1 26	4 54	0 45	4 4	1 9	21 26	1 16	21 44	0 34	3 4	1 38	0 24	15 23	23 26	23 28	21 20	6 11	5 25
F 14	13 17	23 54	0 24	16 50	2 29	8 52	1 26	4 35	0 44	4 8	1 8	21 26	1 16	21 45	0 34	3 3	1 38	0 24	15 22	23 26	23 28	21 18	6 10	5 25
S 15	12 56	21 52	0s54	17 3	2 16	8 22	1 25	4 16	0 43	4 13	1 8	21 26	1 16	21 45	0 34	3 3	1 38	0 24	15 22	23 26	23 28	21 16	6 8	5 25
S 16	12 36	18 20	2 10	17 14	2 3	7 53	1 24	3 57	0 43	4 18	1 8	21 27	1 16	21 45	0 34	3 2	1 38	0 25	15 22	23 26	23 28	21 15	6 7	5 25
M17	12 15	13 36	3 17	17 24	1 51	7 23	1 23	3 38	0 42	4 23	1 8	21 27	1 15	21 46	0 34	3 2	1 38	0 25	15 21	23 26	23 28	21 13	6 6	5 25
T 18	11 54	8 4	4 11	17 33	1 38	6 53	1 22	3 19	0 41	4 28	1 8	21 27	1 15	21 46	0 34	3 1	1 39	0 26	15 21	23 27	23 28	21 11	6 4	5 25
W19	11 33	2 9	4 47	17 40	1 25	6 23	1 21	3 0	0 41	4 33	1 8	21 27	1 15	21 47	0 34	3 1	1 39	0 26	15 21	23 27	23 28	21 10	6 3	5 25
T 20	11 12	3s45	5 4	17 46	1 13	5 53	1 20	2 41	0 40	4 38	1 7	21 28	1 15	21 47	0 34	3 0	1 39	0 27	15 20	23 27	23 28	21 8	6 2	5 25
F 21	10 50	9 17	5 2	17 50	1 0	5 23	1 19	2 22	0 40	4 43	1 7	21 28	1 15	21 47	0 34	3 0	1 39	0 27	15 20	23 27	23 28	21 6	6 0	5 25
S 22	10 29	14 11	4 43	17 52	0 48	4 52	1 18	2 3	0 39	4 48	1 7	21 28	1 14	21 48	0 34	2 59	1 39	0 28	15 20	23 27	23 29	21 5	5 59	5 24
S 23	10 7	18 15	4 9	17 53	0 36	4 22	1 17	1 44	0 38	4 53	1 7	21 29	1 14	21 48	0 34	2 59	1 39	0 28	15 19	23 28	23 29	21 3	5 58	5 24
M24	9 45	21 20	3 24	17 53	0 25	3 51	1 15	1 25	0 38	4 58	1 7	21 29	1 14	21 48	0 34	2 58	1 39	0 29	15 19	23 28	23 29	21 1	5 56	5 24
T 25	9 23	23 20	2 30	17 51	0 13	3 20	1 14	1 7	0 37	5 3	1 7	21 29	1 14	21 48	0 34	2 58	1 39	0 29	15 19	23 28	23 29	21 0	5 55	5 24
W26	9 0	24 12	1 31	17 48	0 3	2 49	1 12	0 48	0 36	5 8	1 6	21 30	1 13	21 49	0 34	2 57	1 39	0 30	15 18	23 28	23 29	20 58	5 53	5 24
T 27	8 38	23 57	0 29	17 43	0s 8	2 18	1 11	0 29	0 36	5 13	1 6	21 30	1 13	21 49	0 34	2 57	1 39	0 30	15 18	23 28	23 29	20 56	5 52	5 24
F 28	8 16	22 37	0n34	17 37	0 18	1 47	1 9	0 10	0 35	5 18	1 6	21 30	1 13	21 49	0 34	2 56	1 39	0 31	15 18	23 28	23 29	20 55	5 51	5 24
S 29	7s53	20s18	1n35	17s29	0s28	1s16	1s 8	0n 9	0s34	5n23	1s 6	21n31	1s13	21n50	0n34	2s56	1n39	0n31	15s17	23s28	23s29	20s53	5s49	5n24

Julian Day Number = 2312783.5, Delta T = 66.47 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'16, Lahiri = 18°33'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

MARCH 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 36 36	10♓52'36	2♒42	13♒43	0♈40	2♈28	16♈27	15♊42	24°R26	11°R12	10♉45	2°R40	1♑29	17♑52	1♓49	S 1
M 2	10 40 32	11°52'38	14°41	14°48	1°54	3°14	16°40	15°44	24♋24	11♎10	10°46	2♑33	1°26	17°58	1°53	M 2
T 3	10 44 29	12°52'38	26°50	15°56	3° 9	3°59	16°54	15°46	24°23	11° 9	10°47	2°23	1°23	18° 5	1°57	T 3
W 4	10 48 25	13°52'36	9♓12	17° 6	4°23	4°45	17° 7	15°47	24°21	11° 7	10°48	2°12	1°20	18°11	2° 1	W 4
T 5	10 52 22	14°52'32	21°46	18°18	5°37	5°31	17°20	15°49	24°20	11° 6	10°48	1°59	1°17	18°18	2° 5	T 5
F 6	10 56 18	15°52'27	4♈33	19°32	6°51	6°17	17°33	15°52	24°18	11° 5	10°49	1°46	1°13	18°25	2° 9	F 6
S 7	11 0 15	16°52'19	17°33	20°47	8° 6	7° 2	17°47	15°54	24°17	11° 3	10°50	1°34	1°10	18°31	2°13	S 7
S 8	11 4 11	17°52'09	0♉43	22° 5	9°20	7°48	18° 0	15°56	24°16	11° 2	10°51	1°24	1° 7	18°38	2°17	S 8
M 9	11 8 8	18°51'57	14° 5	23°24	10°34	8°33	18°14	15°58	24°15	11° 0	10°52	1°17	1° 4	18°45	2°21	M 9
T 10	11 12 4	19°51'42	27°38	24°45	11°48	9°19	18°27	16° 1	24°14	10°59	10°53	1°13	1° 1	18°51	2°25	T 10
W11	11 16 1	20°51'26	11♊22	26° 7	13° 2	10° 4	18°41	16° 4	24°12	10°57	10°54	1°12	0°57	18°58	2°28	W11
T 12	11 19 58	21°51'07	25°17	27°31	14°16	10°50	18°54	16° 6	24°11	10°56	10°55	1°12	0°54	19° 5	2°32	T 12
F 13	11 23 54	22°50'46	9♋24	28°56	15°30	11°35	19° 8	16° 9	24°10	10°54	10°56	1°11	0°51	19°11	2°36	F 13
S 14	11 27 51	23°50'23	23°42	0♓23	16°44	12°20	19°22	16°12	24° 9	10°52	10°57	1°10	0°48	19°18	2°40	S 14
S 15	11 31 47	24°49'57	8♌ 9	1°51	17°58	13° 5	19°36	16°15	24° 8	10°51	10°58	1° 6	0°45	19°25	2°44	S 15
M16	11 35 44	25°49'29	22°41	3°21	19°11	13°51	19°49	16°18	24° 8	10°49	10°58	1° 0	0°42	19°31	2°48	M16
T 17	11 39 40	26°48'58	7♍12	4°52	20°25	14°36	20° 3	16°22	24° 7	10°48	11° 0	0°51	0°38	19°38	2°51	T 17
W18	11 43 37	27°48'26	21°37	6°25	21°39	15°21	20°17	16°25	24° 6	10°46	11° 1	0°39	0°35	19°45	2°55	W18
T 19	11 47 33	28°47'51	5♎48	7°58	22°53	16° 6	20°31	16°28	24° 5	10°45	11° 2	0°27	0°32	19°51	2°59	T 19
F 20	11 51 30	29°47'15	19°40	9°33	24° 6	16°51	20°45	16°32	24° 5	10°43	11° 3	0°15	0°29	19°58	3° 3	F 20
S 21	11 55 27	0♈46'36	3♏ 9	11°10	25°20	17°36	20°59	16°35	24° 4	10°41	11° 4	0° 5	0°26	20° 5	3° 6	S 21
S 22	11 59 23	1°45'56	16°14	12°48	26°33	18°21	21°13	16°39	24° 4	10°40	11° 5	29♐57	0°23	20°11	3°10	S 22
M23	12 3 20	2°45'13	28°56	14°27	27°47	19° 6	21°27	16°43	24° 3	10°38	11° 6	29°51	0°19	20°18	3°14	M23
T 24	12 7 16	3°44'29	11♐17	16° 8	29° 0	19°51	21°41	16°47	24° 3	10°36	11° 7	29°49	0°16	20°25	3°17	T 24
W25	12 11 13	4°43'43	23°22	17°50	0♑14	20°35	21°55	16°51	24° 2	10°35	11° 8	29°48	0°13	20°31	3°21	W25
T 26	12 15 9	5°42'56	5♑16	19°33	1°27	21°20	22° 9	16°55	24° 2	10°33	11° 9	29°48	0°10	20°38	3°24	T 26
F 27	12 19 6	6°42'06	17° 5	21°18	2°40	22° 5	22°23	16°59	24° 2	10°31	11°10	29°47	0° 7	20°44	3°28	F 27
S 28	12 23 2	7°41'15	28°54	23° 4	3°54	22°49	22°37	17° 3	24° 1	10°30	11°11	29°46	0° 3	20°51	3°31	S 28
S 29	12 26 59	8°40'22	10♒48	24°52	5° 7	23°34	22°52	17° 8	24° 1	10°28	11°13	29°42	0° 0	20°58	3°35	S 29
M30	12 30 56	9°39'27	22°51	26°41	6°20	24°19	23° 6	17°12	24° 1	10°27	11°14	29°36	29♐57	21° 4	3°38	M30
T 31	12 34 52	10♈38'30	5♓ 8	28♓31	7♉33	25♈ 3	23♈20	17♊17	24♋ 1	10♎25	11♉15	29♐26	29♐54	21♑11	3♓42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s30	17s 7	2n32	17s20	0s37	0s45	1s 6	0n28	0s34	5n28	1s 6	21n31	1s13	21n50	0n34	2s55	1n39	0n32	15s17	23s28	23s29	20s51	5s48	5n24
M 2	7 7	13 13	3 24	17 10	0 46	0 13	1 4	0 47	0 33	5 33	1 6	21 31	1 12	21 50	0 34	2 55	1 39	0 32	15 17	23 28	23 29	20 49	5 46	5 24
T 3	6 44	8 44	4 6	16 58	0 55	0n18	1 3	1 6	0 32	5 39	1 6	21 32	1 12	21 50	0 34	2 54	1 39	0 33	15 17	23 28	23 29	20 48	5 45	5 24
W 4	6 21	3 51	4 38	16 45	1 3	0 49	1 1	1 24	0 32	5 44	1 5	21 32	1 12	21 51	0 34	2 53	1 39	0 33	15 16	23 28	23 29	20 46	5 44	5 24
T 5	5 58	1n16	4 57	16 30	1 11	1 20	0 59	1 43	0 31	5 49	1 5	21 33	1 12	21 51	0 34	2 53	1 39	0 34	15 16	23 28	23 29	20 44	5 42	5 24
F 6	5 35	6 25	5 1	16 14	1 18	1 52	0 57	2 2	0 30	5 54	1 5	21 33	1 11	21 51	0 34	2 52	1 39	0 34	15 16	23 29	23 29	20 43	5 41	5 24
S 7	5 12	11 21	4 50	15 56	1 25	2 23	0 55	2 21	0 30	5 59	1 5	21 34	1 11	21 51	0 34	2 52	1 39	0 35	15 15	23 29	23 29	20 41	5 39	5 24
S 8	4 48	15 51	4 23	15 38	1 32	2 54	0 53	2 39	0 29	6 5	1 5	21 34	1 11	21 52	0 34	2 51	1 39	0 35	15 15	23 29	23 29	20 39	5 38	5 24
M 9	4 25	19 38	3 42	15 17	1 38	3 25	0 51	2 58	0 28	6 10	1 5	21 35	1 11	21 52	0 34	2 50	1 39	0 36	15 15	23 29	23 29	20 37	5 37	5 24
T 10	4 1	22 24	2 48	14 56	1 44	3 56	0 48	3 16	0 28	6 15	1 5	21 35	1 11	21 52	0 34	2 50	1 39	0 36	15 15	23 29	23 29	20 36	5 35	5 25
W11	3 38	23 53	1 43	14 33	1 49	4 27	0 46	3 35	0 27	6 20	1 5	21 36	1 10	21 52	0 34	2 49	1 39	0 37	15 14	23 29	23 29	20 34	5 34	5 25
T 12	3 14	23 56	0 31	14 9	1 54	4 58	0 44	3 53	0 26	6 26	1 4	21 36	1 10	21 52	0 34	2 49	1 39	0 37	15 14	23 29	23 29	20 32	5 32	5 25
F 13	2 51	22 26	0s43	13 43	1 59	5 28	0 42	4 12	0 26	6 31	1 4	21 37	1 10	21 52	0 34	2 48	1 39	0 38	15 14	23 29	23 29	20 30	5 31	5 25
S 14	2 27	19 30	1 56	13 16	2 3	5 59	0 39	4 30	0 25	6 36	1 4	21 37	1 10	21 53	0 34	2 47	1 39	0 38	15 14	23 29	23 29	20 29	5 29	5 25
S 15	2 3	15 20	3 2	12 48	2 7	6 29	0 37	4 48	0 24	6 42	1 4	21 38	1 9	21 53	0 34	2 47	1 39	0 39	15 13	23 29	23 29	20 27	5 28	5 25
M16	1 40	10 15	3 57	12 19	2 10	7 0	0 34	5 7	0 24	6 47	1 4	21 38	1 9	21 53	0 33	2 46	1 39	0 39	15 13	23 29	23 29	20 25	5 27	5 25
T 17	1 16	4 37	4 36	11 48	2 13	7 30	0 32	5 25	0 23	6 52	1 4	21 39	1 9	21 53	0 33	2 45	1 39	0 40	15 13	23 29	23 29	20 23	5 25	5 25
W18	0 52	1s13	4 57	11 16	2 15	8 0	0 30	5 43	0 22	6 57	1 4	21 39	1 9	21 53	0 33	2 45	1 39	0 40	15 13	23 29	23 29	20 22	5 24	5 25
T 19	0 29	6 53	4 59	10 43	2 17	8 30	0 27	6 1	0 22	7 3	1 4	21 40	1 9	21 53	0 33	2 44	1 39	0 41	15 12	23 29	23 29	20 20	5 22	5 25
F 20	0 5	12 5	4 44	10 8	2 18	8 59	0 24	6 19	0 21	7 8	1 4	21 40	1 8	21 53	0 33	2 43	1 39	0 41	15 12	23 29	23 29	20 18	5 21	5 25
S 21	0n19	16 32	4 12	9 32	2 19	9 29	0 22	6 36	0 20	7 13	1 4	21 41	1 8	21 53	0 33	2 43	1 40	0 42	15 12	23 29	23 29	20 16	5 20	5 25
S 22	0 42	20 3	3 29	8 55	2 20	9 58	0 19	6 54	0 20	7 19	1 3	21 41	1 8	21 53	0 33	2 42	1 40	0 42	15 12	23 29	23 29	20 14	5 18	5 25
M23	1 6	22 29	2 36	8 17	2 20	10 27	0 16	7 12	0 19	7 24	1 3	21 42	1 8	21 53	0 33	2 42	1 40	0 43	15 11	23 29	23 29	20 13	5 17	5 25
T 24	1 29	23 46	1 36	7 38	2 20	10 56	0 14	7 30	0 18	7 29	1 3	21 43	1 8	21 54	0 33	2 41	1 40	0 44	15 11	23 29	23 29	20 11	5 15	5 26
W25	1 53	23 53	0 34	6 57	2 19	11 24	0 11	7 47	0 18	7 35	1 3	21 43	1 7	21 54	0 33	2 40	1 40	0 44	15 11	23 29	23 29	20 9	5 14	5 26
T 26	2 16	22 54	0n29	6 15	2 17	11 52	0 8	8 4	0 17	7 40	1 3	21 44	1 7	21 54	0 33	2 40	1 40	0 45	15 11	23 29	23 29	20 7	5 13	5 26
F 27	2 40	20 54	1 30	5 32	2 15	12 20	0 6	8 22	0 16	7 45	1 3	21 44	1 7	21 54	0 33	2 39	1 40	0 45	15 11	23 29	23 29	20 5	5 11	5 26
S 28	3 3	18 1	2 28	4 48	2 13	12 48	0 3	8 39	0 16	7 51	1 3	21 45	1 7	21 54	0 33	2 38	1 40	0 46	15 10	23 29	23 29	20 3	5 10	5 26
S 29	3 27	14 22	3 19	4 2	2 10	13 15	0n 0	8 56	0 15	7 56	1 3	21 46	1 7	21 54	0 33	2 38	1 40	0 46	15 10	23 29	23 29	20 2	5 9	5 26
M30	3 50	10 7	4 2	3 16	2 7	13 42	0 3	9 13	0 14	8 1	1 3	21 46	1 6	21 54	0 33	2 37	1 40	0 47	15 10	23 29	23 29	20 0	5 7	5 26
T 31	4n13	5s23	4n35	2s28	2s 3	14n 9	0n 6	9n30	0s14	8n 7	1s 3	21n47	1s 6	21n54	0n33	2s36	1n40	0n47	15s10	23s29	23s29	19s58	5s 6	5n26

Julian Day Number = 2312812.5, Delta T = 66.40 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'20, Lahiri = 18°33'21Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1620
geocentric

APRIL 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 38 49	11♈37'32	17♓41	0♈23	8♉46	25♈47	23♈34	17♊21	24°D 1	10°R23	11♉16	29°R15	29♐51	21♑18	3♓45	W 1
T 2	12 42 45	12°36'31	0♈31	2°16	10° 0	26°32	23°49	17°26	24♋ 1	10♎22	11°17	29♐ 3	29°48	21°24	3°48	T 2
F 3	12 46 42	13°35'28	13°37	4°11	11°13	27°16	24° 3	17°31	24° 1	10°20	11°19	28°50	29°44	21°31	3°52	F 3
S 4	12 50 38	14°34'24	26°59	6° 7	12°25	28° 1	24°17	17°36	24° 1	10°18	11°20	28°38	29°41	21°38	3°55	S 4
S 5	12 54 35	15°33'17	10♉34	8° 5	13°38	28°45	24°32	17°41	24° 1	10°17	11°21	28°29	29°38	21°44	3°58	S 5
M 6	12 58 31	16°32'08	24°19	10° 4	14°51	29°29	24°46	17°46	24° 2	10°15	11°22	28°22	29°35	21°51	4° 2	M 6
T 7	13 2 28	17°30'57	8♊12	12° 5	16° 4	0♉13	25° 0	17°51	24° 2	10°13	11°24	28°18	29°32	21°58	4° 5	T 7
W 8	13 6 25	18°29'44	22°10	14° 6	17°17	0°57	25°15	17°56	24° 2	10°12	11°25	28°D17	29°28	22° 4	4° 8	W 8
T 9	13 10 21	19°28'29	6♋13	16° 9	18°30	1°41	25°29	18° 1	24° 3	10°10	11°26	28°17	29°25	22°11	4°11	T 9
F 10	13 14 18	20°27'11	20°18	18°13	19°42	2°25	25°43	18° 6	24° 3	10° 8	11°27	28°R17	29°22	22°18	4°14	F 10
S 11	13 18 14	21°25'51	4♌27	20°19	20°55	3° 9	25°58	18°12	24° 4	10° 7	11°29	28°16	29°19	22°24	4°17	S 11
S 12	13 22 11	22°24'29	18°36	22°25	22° 7	3°53	26°12	18°17	24° 4	10° 5	11°30	28°14	29°16	22°31	4°20	S 12
M13	13 26 7	23°23'04	2♍45	24°31	23°20	4°37	26°26	18°23	24° 5	10° 4	11°31	28° 9	29°13	22°38	4°23	M13
T 14	13 30 4	24°21'37	16°49	26°39	24°32	5°21	26°41	18°29	24° 6	10° 2	11°33	28° 1	29° 9	22°44	4°26	T 14
W15	13 34 0	25°20'09	0♎47	28°46	25°44	6° 5	26°55	18°34	24° 6	10° 0	11°34	27°52	29° 6	22°51	4°29	W15
T 16	13 37 57	26°18'38	14°33	0♉54	26°57	6°48	27°10	18°40	24° 7	9°59	11°35	27°42	29° 3	22°58	4°32	T 16
F 17	13 41 54	27°17'05	28° 4	3° 2	28° 9	7°32	27°24	18°46	24° 8	9°57	11°36	27°32	29° 0	23° 4	4°35	F 17
S 18	13 45 50	28°15'30	11♏18	5° 9	29°21	8°15	27°38	18°52	24° 9	9°56	11°38	27°23	28°57	23°11	4°37	S 18
S 19	13 49 47	29°13'53	24°12	7°16	0♊33	8°59	27°53	18°58	24°10	9°54	11°39	27°16	28°54	23°18	4°40	S 19
M20	13 53 43	0♉12'15	6♐48	9°21	1°45	9°42	28° 7	19° 4	24°11	9°53	11°40	27°12	28°50	23°24	4°43	M20
T 21	13 57 40	1°10'35	19° 7	11°25	2°57	10°26	28°21	19°10	24°12	9°51	11°42	27°10	28°47	23°31	4°45	T 21
W22	14 1 36	2° 8'54	1♑11	13°27	4° 9	11° 9	28°36	19°16	24°13	9°50	11°43	27°D 9	28°44	23°38	4°48	W22
T 23	14 5 33	3° 7'11	13° 6	15°28	5°21	11°53	28°50	19°22	24°14	9°48	11°44	27°10	28°41	23°44	4°50	T 23
F 24	14 9 29	4° 5'26	24°56	17°26	6°33	12°36	29° 5	19°28	24°15	9°47	11°46	27°11	28°38	23°51	4°53	F 24
S 25	14 13 26	5° 3'40	6♒46	19°22	7°44	13°19	29°19	19°35	24°17	9°45	11°47	27°R12	28°34	23°58	4°55	S 25
S 26	14 17 23	6° 1'52	18°41	21°14	8°56	14° 2	29°33	19°41	24°18	9°44	11°49	27°11	28°31	24° 4	4°58	S 26
M27	14 21 19	7° 0'03	0♓47	23° 4	10° 8	14°45	29°48	19°47	24°19	9°42	11°50	27° 8	28°28	24°11	5° 0	M27
T 28	14 25 16	7°58'12	13° 8	24°51	11°19	15°29	0♉ 2	19°54	24°21	9°41	11°51	27° 3	28°25	24°17	5° 2	T 28
W29	14 29 12	8°56'20	25°47	26°34	12°31	16°12	0°16	20° 0	24°22	9°40	11°53	26°56	28°22	24°24	5° 5	W29
T 30	14 33 9	9♉54'26	8♈46	28♉14	13♊42	16♉55	0♉30	20♊ 7	24♋24	9♎38	11♉54	26♐49	28♐19	24♑31	5♓ 7	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n36	0s21	4n55	1s40	1s59	14n35	0n 9	9n47	0s13	8n12	1s 3	21n47	1s 6	21n54	0n33	2s36	1n40	0n48	15s10	23s29	23s29	19s56	5s 5	5n27
T 2	4 59	4n48	5 1	0 50	1 54	15 1	0 12	10 4	0 12	8 17	1 3	21 48	1 6	21 54	0 33	2 35	1 40	0 48	15 10	23 29	23 29	19 54	5 3	5 27
F 3	5 22	9 51	4 51	0n 1	1 48	15 27	0 14	10 20	0 12	8 23	1 2	21 49	1 6	21 54	0 33	2 34	1 40	0 49	15 9	23 29	23 29	19 52	5 2	5 27
S 4	5 45	14 33	4 26	0 52	1 42	15 52	0 17	10 37	0 11	8 28	1 2	21 49	1 5	21 54	0 33	2 34	1 40	0 49	15 9	23 29	23 29	19 51	5 1	5 27
S 5	6 8	18 34	3 44	1 45	1 36	16 17	0 20	10 53	0 10	8 33	1 2	21 50	1 5	21 53	0 33	2 33	1 40	0 50	15 9	23 29	23 29	19 49	4 59	5 27
M 6	6 31	21 38	2 50	2 38	1 29	16 42	0 23	11 10	0 10	8 39	1 2	21 51	1 5	21 53	0 33	2 32	1 40	0 50	15 9	23 29	23 29	19 47	4 58	5 27
T 7	6 53	23 26	1 45	3 32	1 22	17 6	0 26	11 26	0 9	8 44	1 2	21 51	1 5	21 53	0 33	2 32	1 40	0 51	15 9	23 29	23 29	19 45	4 57	5 27
W 8	7 16	23 48	0 32	4 26	1 14	17 29	0 29	11 42	0 8	8 49	1 2	21 52	1 5	21 53	0 33	2 31	1 40	0 51	15 9	23 29	23 29	19 43	4 55	5 28
T 9	7 38	22 39	0s42	5 22	1 5	17 53	0 32	11 58	0 8	8 55	1 2	21 53	1 5	21 53	0 33	2 30	1 40	0 52	15 8	23 29	23 29	19 41	4 54	5 28
F 10	8 0	20 4	1 54	6 17	0 57	18 15	0 35	12 14	0 7	9 0	1 2	21 53	1 4	21 53	0 33	2 30	1 40	0 52	15 8	23 29	23 29	19 39	4 53	5 28
S 11	8 22	16 17	3 0	7 13	0 47	18 38	0 38	12 29	0 6	9 5	1 2	21 54	1 4	21 53	0 33	2 29	1 40	0 53	15 8	23 29	23 29	19 38	4 52	5 28
S 12	8 44	11 34	3 54	8 9	0 38	18 59	0 41	12 45	0 6	9 10	1 2	21 55	1 4	21 53	0 33	2 29	1 40	0 53	15 8	23 29	23 29	19 36	4 50	5 28
M13	9 6	6 15	4 35	9 5	0 28	19 21	0 43	13 0	0 5	9 16	1 2	21 55	1 4	21 53	0 33	2 28	1 40	0 54	15 8	23 29	23 29	19 34	4 49	5 29
T 14	9 28	0 38	4 58	10 1	0 18	19 42	0 46	13 16	0 4	9 21	1 2	21 56	1 4	21 53	0 33	2 27	1 40	0 54	15 8	23 28	23 29	19 32	4 48	5 29
W15	9 49	4s57	5 3	10 57	0 7	20 2	0 49	13 31	0 4	9 26	1 2	21 57	1 3	21 52	0 33	2 27	1 40	0 55	15 8	23 28	23 29	19 30	4 47	5 29
T 16	10 11	10 13	4 51	11 52	0n 4	20 22	0 52	13 46	0 3	9 31	1 2	21 57	1 3	21 52	0 33	2 26	1 40	0 55	15 8	23 28	23 29	19 28	4 45	5 29
F 17	10 32	14 53	4 22	12 46	0 14	20 41	0 55	14 1	0 2	9 37	1 2	21 58	1 3	21 52	0 33	2 26	1 40	0 56	15 7	23 28	23 29	19 26	4 44	5 29
S 18	10 53	18 44	3 40	13 40	0 25	21 0	0 58	14 16	0 2	9 42	1 2	21 58	1 3	21 52	0 33	2 25	1 40	0 56	15 7	23 28	23 29	19 24	4 43	5 30
S 19	11 13	21 33	2 47	14 32	0 36	21 18	1 1	14 30	0 1	9 47	1 2	21 59	1 3	21 52	0 33	2 24	1 40	0 57	15 7	23 28	23 29	19 22	4 42	5 30
M20	11 34	23 15	1 47	15 23	0 47	21 35	1 3	14 45	0 1	9 52	1 2	22 0	1 3	21 51	0 33	2 24	1 40	0 57	15 7	23 28	23 29	19 21	4 41	5 30
T 21	11 54	23 45	0 43	16 12	0 57	21 52	1 6	14 59	0n 0	9 57	1 2	22 0	1 2	21 51	0 33	2 23	1 40	0 58	15 7	23 27	23 29	19 19	4 40	5 30
W22	12 15	23 7	0n22	16 59	1 8	22 9	1 9	15 13	0 1	10 2	1 2	22 1	1 2	21 51	0 33	2 23	1 40	0 58	15 7	23 27	23 29	19 17	4 39	5 30
T 23	12 35	21 26	1 25	17 44	1 18	22 25	1 12	15 27	0 1	10 8	1 1	22 2	1 2	21 51	0 33	2 22	1 39	0 58	15 7	23 27	23 29	19 15	4 37	5 31
F 24	12 55	18 50	2 24	18 28	1 27	22 40	1 14	15 41	0 2	10 13	1 1	22 2	1 2	21 51	0 33	2 21	1 39	0 59	15 7	23 28	23 29	19 13	4 36	5 31
S 25	13 14	15 27	3 17	19 9	1 36	22 55	1 17	15 55	0 3	10 18	1 1	22 3	1 2	21 50	0 33	2 21	1 39	0 59	15 7	23 28	23 29	19 11	4 35	5 31
S 26	13 34	11 25	4 2	19 47	1 45	23 9	1 19	16 8	0 3	10 23	1 1	22 4	1 2	21 50	0 33	2 20	1 39	1 0	15 7	23 28	23 29	19 9	4 34	5 31
M27	13 53	6 55	4 36	20 24	1 53	23 22	1 22	16 22	0 4	10 28	1 1	22 4	1 2	21 50	0 33	2 20	1 39	1 0	15 7	23 27	23 29	19 7	4 33	5 32
T 28	14 12	2 2	4 59	20 58	2 0	23 35	1 25	16 35	0 5	10 33	1 1	22 5	1 1	21 50	0 33	2 19	1 39	1 1	15 7	23 27	23 29	19 5	4 32	5 32
W29	14 30	3n 2	5 8	21 29	2 7	23 47	1 27	16 48	0 5	10 38	1 1	22 6	1 1	21 49	0 33	2 19	1 39	1 1	15 7	23 27	23 29	19 3	4 31	5 32
T 30	14n49	8n 6	5n 1	21n58	2n12	23n58	1n29	17n 1	0n 6	10n43	1s 1	22n 6	1s 1	21n49	0n32	2s18	1n39	1n 2	15s 7	23s27	23s29	19s 1	4s30	5n32

Julian Day Number = 2312843.5, Delta T = 66.32 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'24, Lahiri = 18°33'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

MAY 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 37 5	10♉52'31	22♈ 7	29♉51	14♊53	17♉38	0♉45	20♊14	24♋25	9°R37	11♉55	26°R41	28♐15	24♑37	5♓ 9	F 1
S 2	14 41 2	11°50'34	5♉48	1♊24	16° 5	18°20	0°59	20°20	24°27	9♎35	11°57	26♐34	28°12	24°44	5°11	S 2
S 3	14 44 58	12°48'35	19°45	2°52	17°16	19° 3	1°13	20°27	24°28	9°34	11°58	26°28	28° 9	24°51	5°13	S 3
M 4	14 48 55	13°46'36	3♊55	4°18	18°27	19°46	1°27	20°34	24°30	9°33	11°59	26°24	28° 6	24°57	5°15	M 4
T 5	14 52 51	14°44'34	18°14	5°39	19°38	20°29	1°42	20°41	24°32	9°32	12° 1	26°22	28° 3	25° 4	5°17	T 5
W 6	14 56 48	15°42'31	2♋36	6°56	20°49	21°12	1°56	20°48	24°34	9°30	12° 2	26°D22	28° 0	25°11	5°19	W 6
T 7	15 0 45	16°40'26	16°57	8° 9	22° 0	21°54	2°10	20°55	24°35	9°29	12° 3	26°23	27°56	25°17	5°21	T 7
F 8	15 4 41	17°38'19	1♌15	9°18	23°11	22°37	2°24	21° 2	24°37	9°28	12° 5	26°24	27°53	25°24	5°23	F 8
S 9	15 8 38	18°36'10	15°26	10°23	24°21	23°19	2°38	21° 9	24°39	9°27	12° 6	26°R25	27°50	25°31	5°24	S 9
S 10	15 12 34	19°33'59	29°30	11°24	25°32	24° 2	2°52	21°16	24°41	9°25	12° 8	26°25	27°47	25°37	5°26	S 10
M11	15 16 31	20°31'47	13♍24	12°20	26°43	24°44	3° 6	21°23	24°43	9°24	12° 9	26°23	27°44	25°44	5°28	M11
T 12	15 20 27	21°29'33	27° 9	13°12	27°53	25°27	3°20	21°30	24°45	9°23	12°10	26°19	27°40	25°51	5°29	T 12
W13	15 24 24	22°27'17	10♎41	14° 0	29° 4	26° 9	3°34	21°37	24°47	9°22	12°12	26°15	27°37	25°57	5°31	W13
T 14	15 28 20	23°25'00	24° 2	14°43	0♋14	26°51	3°48	21°44	24°50	9°21	12°13	26° 9	27°34	26° 4	5°32	T 14
F 15	15 32 17	24°22'41	7♏ 8	15°22	1°24	27°33	4° 2	21°51	24°52	9°20	12°14	26° 4	27°31	26°11	5°34	F 15
S 16	15 36 14	25°20'21	20° 0	15°56	2°34	28°16	4°16	21°59	24°54	9°19	12°16	26° 0	27°28	26°17	5°35	S 16
S 17	15 40 10	26°17'59	2♐38	16°25	3°44	28°58	4°30	22° 6	24°56	9°18	12°17	25°56	27°25	26°24	5°37	S 17
M18	15 44 7	27°15'36	15° 1	16°50	4°54	29°40	4°43	22°13	24°59	9°17	12°18	25°55	27°21	26°31	5°38	M18
T 19	15 48 3	28°13'13	27°12	17° 9	6° 4	0♊22	4°57	22°21	25° 1	9°16	12°20	25°D54	27°18	26°37	5°39	T 19
W20	15 52 0	29°10'48	9♑13	17°25	7°14	1° 4	5°11	22°28	25° 3	9°15	12°21	25°55	27°15	26°44	5°40	W20
T 21	15 55 56	0♊ 8'22	21° 6	17°35	8°23	1°46	5°25	22°36	25° 6	9°14	12°22	25°56	27°12	26°51	5°41	T 21
F 22	15 59 53	1° 5'55	2♒56	17°41	9°33	2°28	5°38	22°43	25° 8	9°13	12°23	25°58	27° 9	26°57	5°42	F 22
S 23	16 3 50	2° 3'27	14°46	17°R42	10°42	3°10	5°52	22°51	25°11	9°12	12°25	25°59	27° 6	27° 4	5°43	S 23
S 24	16 7 46	3° 0'58	26°42	17°38	11°51	3°51	6° 5	22°58	25°13	9°11	12°26	26° 0	27° 2	27°11	5°44	S 24
M25	16 11 43	3°58'28	8♓47	17°30	13° 1	4°33	6°19	23° 6	25°16	9°11	12°27	26°R 0	26°59	27°17	5°45	M25
T 26	16 15 39	4°55'58	21° 8	17°18	14°10	5°15	6°32	23°13	25°18	9°10	12°29	26° 0	26°56	27°24	5°46	T 26
W27	16 19 36	5°53'26	3♈47	17° 2	15°19	5°57	6°46	23°21	25°21	9° 9	12°30	25°58	26°53	27°31	5°47	W27
T 28	16 23 32	6°50'54	16°49	16°42	16°28	6°38	6°59	23°28	25°24	9° 8	12°31	25°55	26°50	27°37	5°47	T 28
F 29	16 27 29	7°48'22	0♉15	16°19	17°36	7°20	7°12	23°36	25°27	9° 8	12°32	25°53	26°46	27°44	5°48	F 29
S 30	16 31 25	8°45'48	14° 5	15°53	18°45	8° 1	7°26	23°44	25°29	9° 7	12°34	25°51	26°43	27°51	5°49	S 30
S 31	16 35 22	9♊43'14	28♉17	15♊24	19♋54	8♊43	7♉39	23♊51	25♋32	9♎ 6	12♉35	25♐49	26♐40	27♑57	5♓49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15n 7	12n56	4n38	22n24	2n18	24n 9	1n32	17n14	0n 6	10n48	1s 1	22n 7	1s 1	21n49	0n32	2s18	1n39	1n 2	15s 7	23s27	23s29	18s59	4s29	5n32
S 2	15 25	17 14	3 59	22 48	2 22	24 19	1 34	17 26	0 7	10 53	1 1	22 8	1 1	21 48	0 32	2 17	1 39	1 2	15 7	23 27	23 29	18 57	4 28	5 33
S 3	15 43	20 41	3 5	23 9	2 25	24 29	1 36	17 39	0 8	10 58	1 1	22 8	1 1	21 48	0 32	2 17	1 39	1 3	15 6	23 26	23 29	18 55	4 27	5 33
M 4	16 0	22 55	1 59	23 28	2 28	24 37	1 39	17 51	0 8	11 3	1 1	22 9	1 0	21 48	0 32	2 16	1 39	1 3	15 6	23 26	23 28	18 53	4 26	5 33
T 5	16 18	23 42	0 44	23 45	2 30	24 46	1 41	18 3	0 9	11 8	1 1	22 9	1 0	21 47	0 32	2 16	1 39	1 4	15 6	23 26	23 28	18 51	4 25	5 33
W 6	16 35	22 54	0s34	23 59	2 30	24 53	1 43	18 15	0 10	11 13	1 1	22 10	1 0	21 47	0 32	2 15	1 39	1 4	15 6	23 26	23 28	18 50	4 24	5 34
T 7	16 51	20 36	1 50	24 11	2 30	25 0	1 45	18 27	0 10	11 17	1 1	22 11	1 0	21 47	0 32	2 15	1 39	1 4	15 6	23 26	23 28	18 48	4 23	5 34
F 8	17 8	17 1	2 58	24 21	2 29	25 6	1 47	18 38	0 11	11 22	1 1	22 11	1 0	21 46	0 32	2 14	1 39	1 5	15 6	23 26	23 28	18 46	4 22	5 34
S 9	17 24	12 29	3 56	24 29	2 27	25 11	1 49	18 50	0 11	11 27	1 1	22 12	1 0	21 46	0 32	2 14	1 39	1 5	15 6	23 26	23 28	18 44	4 21	5 35
S 10	17 40	7 20	4 38	24 34	2 24	25 16	1 51	19 1	0 12	11 32	1 1	22 12	1 0	21 46	0 32	2 13	1 39	1 6	15 6	23 26	23 28	18 42	4 21	5 35
M11	17 55	1 52	5 4	24 38	2 20	25 20	1 53	19 12	0 13	11 37	1 1	22 13	0 59	21 45	0 32	2 13	1 39	1 6	15 6	23 26	23 28	18 40	4 20	5 35
T 12	18 10	3s37	5 11	24 40	2 15	25 23	1 55	19 23	0 13	11 42	1 1	22 14	0 59	21 45	0 32	2 13	1 39	1 6	15 7	23 26	23 28	18 38	4 19	5 35
W13	18 25	8 52	5 2	24 40	2 9	25 25	1 56	19 33	0 14	11 46	1 1	22 14	0 59	21 45	0 32	2 12	1 39	1 7	15 7	23 26	23 28	18 36	4 18	5 36
T 14	18 40	13 36	4 36	24 38	2 3	25 27	1 58	19 44	0 14	11 51	1 1	22 15	0 59	21 44	0 32	2 12	1 39	1 7	15 7	23 26	23 28	18 34	4 17	5 36
F 15	18 54	17 38	3 56	24 35	1 55	25 28	2 0	19 54	0 15	11 56	1 1	22 15	0 59	21 44	0 32	2 11	1 39	1 7	15 7	23 26	23 28	18 32	4 17	5 36
S 16	19 8	20 44	3 4	24 30	1 46	25 29	2 1	20 4	0 16	12 0	1 1	22 16	0 59	21 43	0 32	2 11	1 39	1 8	15 7	23 26	23 28	18 30	4 16	5 36
S 17	19 22	22 45	2 4	24 23	1 36	25 29	2 2	20 14	0 16	12 5	1 1	22 17	0 59	21 43	0 32	2 11	1 39	1 8	15 7	23 26	23 28	18 28	4 15	5 37
M18	19 35	23 38	0 59	24 15	1 26	25 28	2 4	20 24	0 17	12 10	1 1	22 17	0 59	21 42	0 32	2 10	1 39	1 8	15 7	23 26	23 28	18 26	4 14	5 37
T 19	19 48	23 20	0n 7	24 6	1 14	25 26	2 5	20 33	0 17	12 14	1 1	22 18	0 58	21 42	0 32	2 10	1 39	1 9	15 7	23 25	23 28	18 24	4 14	5 37
W20	20 1	21 58	1 13	23 55	1 1	25 24	2 6	20 43	0 18	12 19	1 1	22 18	0 58	21 42	0 32	2 10	1 39	1 9	15 7	23 26	23 28	18 22	4 13	5 38
T 21	20 13	19 37	2 14	23 42	0 48	25 20	2 7	20 52	0 19	12 23	1 1	22 19	0 58	21 41	0 32	2 9	1 39	1 9	15 7	23 26	23 28	18 20	4 12	5 38
F 22	20 25	16 28	3 10	23 29	0 34	25 17	2 8	21 1	0 19	12 28	1 1	22 19	0 58	21 41	0 32	2 9	1 39	1 10	15 7	23 26	23 27	18 18	4 12	5 38
S 23	20 37	12 39	3 57	23 14	0 19	25 12	2 9	21 9	0 20	12 32	1 1	22 20	0 58	21 40	0 32	2 9	1 39	1 10	15 7	23 26	23 27	18 16	4 11	5 38
S 24	20 48	8 20	4 35	22 58	0 3	25 7	2 10	21 18	0 20	12 37	1 1	22 20	0 58	21 40	0 32	2 8	1 39	1 10	15 7	23 26	23 27	18 14	4 10	5 39
M25	20 59	3 38	5 1	22 41	0s13	25 1	2 11	21 26	0 21	12 41	1 2	22 21	0 58	21 39	0 32	2 8	1 39	1 10	15 7	23 26	23 27	18 12	4 10	5 39
T 26	21 10	1n18	5 14	22 24	0 29	24 55	2 12	21 34	0 22	12 45	1 2	22 21	0 58	21 39	0 32	2 8	1 39	1 11	15 7	23 26	23 27	18 10	4 9	5 39
W27	21 20	6 17	5 12	22 5	0 46	24 48	2 12	21 42	0 22	12 50	1 2	22 22	0 58	21 38	0 32	2 8	1 38	1 11	15 7	23 26	23 27	18 7	4 9	5 40
T 28	21 30	11 9	4 55	21 46	1 4	24 40	2 13	21 50	0 23	12 54	1 2	22 22	0 57	21 38	0 32	2 7	1 38	1 11	15 8	23 26	23 27	18 5	4 8	5 40
F 29	21 39	15 39	4 21	21 27	1 21	24 31	2 13	21 58	0 23	12 59	1 2	22 23	0 57	21 37	0 32	2 7	1 38	1 11	15 8	23 25	23 27	18 3	4 8	5 40
S 30	21 48	19 27	3 31	21 7	1 38	24 22	2 13	22 5	0 24	13 3	1 2	22 23	0 57	21 37	0 32	2 7	1 38	1 12	15 8	23 25	23 27	18 1	4 7	5 40
S 31	21n57	22n12	2n26	20n47	1s55	24n13	2n13	22n12	0n24	13n 7	1s 2	22n24	0s57	21n36	0n32	2s 7	1n38	1n12	15s 8	23s25	23s27	17s59	4s 7	5n41

Julian Day Number = 2312873.5, Delta T = 66.25 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'29, Lahiri = 18°33'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

JUNE 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 39 19	10♊40'39	12♊46	14°R54	21♋ 2	9♊24	7♉52	23♊59	25♋35	9°R 6	12♉36	25°R48	26♐37	28♑ 4	5♓50	M 1
T 2	16 43 15	11°38'03	27°28	14♊21	22°10	10° 6	8° 5	24° 7	25°38	9♎ 5	12°37	25°D47	26°34	28°11	5°50	T 2
W 3	16 47 12	12°35'27	12♋16	13°48	23°19	10°47	8°18	24°15	25°41	9° 5	12°39	25♐48	26°31	28°17	5°50	W 3
T 4	16 51 8	13°32'49	27° 1	13°15	24°27	11°28	8°31	24°22	25°44	9° 4	12°40	25°49	26°27	28°24	5°51	T 4
F 5	16 55 5	14°30'10	11♌39	12°41	25°35	12°10	8°44	24°30	25°47	9° 4	12°41	25°50	26°24	28°31	5°51	F 5
S 6	16 59 1	15°27'30	26° 3	12° 9	26°42	12°51	8°57	24°38	25°50	9° 3	12°42	25°50	26°21	28°37	5°51	S 6
S 7	17 2 58	16°24'49	10♍12	11°37	27°50	13°32	9°10	24°46	25°53	9° 3	12°43	25°R51	26°18	28°44	5°51	S 7
M 8	17 6 54	17°22'08	24° 4	11° 8	28°58	14°13	9°23	24°53	25°56	9° 2	12°44	25°51	26°15	28°51	5°R51	M 8
T 9	17 10 51	18°19'25	7♎37	10°40	0♌ 5	14°54	9°35	25° 1	25°59	9° 2	12°46	25°50	26°12	28°57	5°51	T 9
W10	17 14 48	19°16'41	20°54	10°16	1°12	15°35	9°48	25° 9	26° 2	9° 2	12°47	25°50	26° 8	29° 4	5°51	W10
T 11	17 18 44	20°13'56	3♏54	9°55	2°19	16°16	10° 0	25°17	26° 5	9° 1	12°48	25°49	26° 5	29°11	5°51	T 11
F 12	17 22 41	21°11'11	16°39	9°37	3°26	16°57	10°13	25°25	26° 8	9° 1	12°49	25°48	26° 2	29°17	5°51	F 12
S 13	17 26 37	22° 8'25	29°11	9°23	4°33	17°38	10°25	25°33	26°11	9° 1	12°50	25°48	25°59	29°24	5°51	S 13
S 14	17 30 34	23° 5'39	11♐31	9°13	5°39	18°19	10°38	25°40	26°14	9° 1	12°51	25°48	25°56	29°31	5°50	S 14
M15	17 34 30	24° 2'52	23°41	9° 8	6°46	19° 0	10°50	25°48	26°18	9° 1	12°52	25°D48	25°52	29°37	5°50	M15
T 16	17 38 27	25° 0'05	5♑42	9°D 7	7°52	19°40	11° 2	25°56	26°21	9° 0	12°53	25°48	25°49	29°44	5°49	T 16
W17	17 42 23	25°57'17	17°37	9°11	8°58	20°21	11°14	26° 4	26°24	9° 0	12°54	25°R48	25°46	29°51	5°49	W17
T 18	17 46 20	26°54'29	29°28	9°19	10° 4	21° 2	11°26	26°12	26°28	9° 0	12°55	25°48	25°43	29°57	5°49	T 18
F 19	17 50 17	27°51'41	11♒17	9°33	11°10	21°42	11°38	26°20	26°31	9° 0	12°56	25°47	25°40	0♒ 4	5°48	F 19
S 20	17 54 13	28°48'53	23° 8	9°51	12°15	22°23	11°50	26°27	26°34	9°D 0	12°57	25°47	25°37	0°11	5°47	S 20
S 21	17 58 10	29°46'04	5♓ 4	10°13	13°21	23° 3	12° 2	26°35	26°38	9° 0	12°58	25°47	25°33	0°17	5°47	S 21
M22	18 2 6	0♋43'16	17°10	10°41	14°26	23°44	12°14	26°43	26°41	9° 0	12°59	25°46	25°30	0°24	5°46	M22
T 23	18 6 3	1°40'27	29°29	11°13	15°31	24°24	12°25	26°51	26°44	9° 0	13° 0	25°D46	25°27	0°31	5°45	T 23
W24	18 9 59	2°37'39	12♈ 5	11°50	16°35	25° 5	12°37	26°59	26°48	9° 0	13° 1	25°46	25°24	0°37	5°44	W24
T 25	18 13 56	3°34'51	25° 3	12°31	17°40	25°45	12°48	27° 7	26°51	9° 1	13° 2	25°47	25°21	0°44	5°43	T 25
F 26	18 17 52	4°32'03	8♉26	13°17	18°44	26°26	13° 0	27°14	26°55	9° 1	13° 3	25°47	25°18	0°51	5°42	F 26
S 27	18 21 49	5°29'15	22°15	14° 8	19°48	27° 6	13°11	27°22	26°58	9° 1	13° 4	25°48	25°14	0°57	5°41	S 27
S 28	18 25 46	6°26'28	6♊29	15° 3	20°52	27°46	13°22	27°30	27° 2	9° 1	13° 5	25°49	25°11	1° 4	5°40	S 28
M29	18 29 42	7°23'41	21° 7	16° 2	21°56	28°26	13°33	27°38	27° 5	9° 2	13° 6	25°R49	25° 8	1°11	5°39	M29
T 30	18 33 39	8♋20'53	6♋ 2	17♊ 6	22♌59	29♊ 7	13♉44	27♊46	27♋ 9	9♎ 2	13♉ 7	25♐49	25♐ 5	1♒17	5♓38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 6	23n33	1n11	20n27	2s12	24n 2	2n13	22n19	0n25	13n11	1s 2	22n24	0s57	21n36	0n32	2s 6	1n38	1n12	15s 8	23s25	23s27	17s57	4s 6	5n41
T 2	22 14	23 19	0s 9	20 7	2 28	23 51	2 13	22 26	0 26	13 15	1 2	22 25	0 57	21 35	0 32	2 6	1 38	1 12	15 8	23 25	23 27	17 55	4 6	5 41
W 3	22 21	21 26	1 30	19 47	2 44	23 40	2 13	22 32	0 26	13 20	1 2	22 25	0 57	21 34	0 32	2 6	1 38	1 13	15 8	23 25	23 27	17 53	4 6	5 42
T 4	22 28	18 6	2 45	19 29	2 59	23 27	2 13	22 39	0 27	13 24	1 2	22 25	0 57	21 34	0 32	2 6	1 38	1 13	15 8	23 25	23 26	17 51	4 5	5 42
F 5	22 35	13 41	3 48	19 11	3 13	23 15	2 13	22 45	0 27	13 28	1 2	22 26	0 57	21 33	0 32	2 6	1 38	1 13	15 8	23 25	23 26	17 49	4 5	5 42
S 6	22 42	8 32	4 35	18 54	3 26	23 1	2 12	22 51	0 28	13 32	1 2	22 26	0 57	21 33	0 32	2 6	1 38	1 13	15 9	23 25	23 26	17 47	4 5	5 42
S 7	22 48	3 3	5 5	18 38	3 37	22 47	2 12	22 56	0 28	13 36	1 2	22 27	0 56	21 32	0 32	2 6	1 38	1 13	15 9	23 25	23 26	17 45	4 4	5 43
M 8	22 53	2s29	5 17	18 24	3 48	22 33	2 11	23 2	0 29	13 40	1 2	22 27	0 56	21 32	0 32	2 5	1 38	1 14	15 9	23 25	23 26	17 43	4 4	5 43
T 9	22 58	7 47	5 10	18 11	3 57	22 18	2 10	23 7	0 29	13 44	1 2	22 27	0 56	21 31	0 32	2 5	1 38	1 14	15 9	23 25	23 26	17 41	4 4	5 43
W10	23 3	12 36	4 47	18 0	4 5	22 2	2 9	23 12	0 30	13 48	1 2	22 28	0 56	21 30	0 32	2 5	1 38	1 14	15 9	23 25	23 26	17 39	4 3	5 44
T 11	23 8	16 45	4 10	17 50	4 12	21 46	2 8	23 17	0 31	13 52	1 2	22 28	0 56	21 30	0 32	2 5	1 38	1 14	15 9	23 25	23 26	17 37	4 3	5 44
F 12	23 12	20 3	3 21	17 42	4 17	21 29	2 7	23 22	0 31	13 56	1 2	22 29	0 56	21 29	0 32	2 5	1 38	1 14	15 10	23 25	23 26	17 34	4 3	5 44
S 13	23 15	22 20	2 22	17 37	4 20	21 12	2 6	23 26	0 32	13 59	1 2	22 29	0 56	21 29	0 32	2 5	1 38	1 14	15 10	23 25	23 26	17 32	4 3	5 44
S 14	23 18	23 30	1 18	17 33	4 23	20 55	2 5	23 30	0 32	14 3	1 2	22 29	0 56	21 28	0 32	2 5	1 38	1 15	15 10	23 25	23 26	17 30	4 3	5 45
M15	23 21	23 32	0 12	17 31	4 24	20 36	2 3	23 34	0 33	14 7	1 3	22 30	0 56	21 27	0 32	2 5	1 38	1 15	15 10	23 25	23 25	17 28	4 3	5 45
T 16	23 24	22 27	0n55	17 31	4 24	20 18	2 2	23 38	0 33	14 11	1 3	22 30	0 56	21 27	0 32	2 5	1 38	1 15	15 10	23 25	23 25	17 26	4 2	5 45
W17	23 26	20 22	1 58	17 33	4 22	19 59	2 0	23 42	0 34	14 14	1 3	22 30	0 56	21 26	0 32	2 5	1 38	1 15	15 10	23 25	23 25	17 24	4 2	5 46
T 18	23 27	17 26	2 56	17 37	4 20	19 39	1 58	23 45	0 34	14 18	1 3	22 31	0 55	21 25	0 32	2 5	1 37	1 15	15 11	23 25	23 25	17 22	4 2	5 46
F 19	23 28	13 48	3 47	17 43	4 16	19 19	1 56	23 48	0 35	14 22	1 3	22 31	0 55	21 25	0 32	2 5	1 37	1 15	15 11	23 25	23 25	17 20	4 2	5 46
S 20	23 29	9 37	4 27	17 50	4 11	18 59	1 54	23 51	0 35	14 25	1 3	22 31	0 55	21 24	0 32	2 5	1 37	1 15	15 11	23 25	23 25	17 18	4 2	5 46
S 21	23 29	5 4	4 57	17 59	4 5	18 38	1 52	23 54	0 36	14 29	1 3	22 31	0 55	21 24	0 32	2 5	1 37	1 15	15 11	23 25	23 25	17 16	4 2	5 47
M22	23 29	0 16	5 14	18 9	3 59	18 17	1 50	23 57	0 36	14 32	1 3	22 32	0 55	21 23	0 32	2 5	1 37	1 15	15 11	23 25	23 25	17 13	4 2	5 47
T 23	23 29	4n38	5 17	18 21	3 51	17 55	1 47	23 59	0 37	14 36	1 3	22 32	0 55	21 22	0 32	2 5	1 37	1 16	15 12	23 25	23 25	17 11	4 2	5 47
W24	23 28	9 27	5 5	18 34	3 43	17 34	1 45	24 1	0 37	14 39	1 3	22 32	0 55	21 22	0 32	2 5	1 37	1 16	15 12	23 25	23 24	17 9	4 2	5 47
T 25	23 26	14 1	4 37	18 48	3 34	17 11	1 42	24 3	0 38	14 43	1 3	22 32	0 55	21 21	0 32	2 5	1 37	1 16	15 12	23 25	23 24	17 7	4 2	5 48
F 26	23 25	18 2	3 54	19 3	3 25	16 49	1 39	24 5	0 38	14 46	1 3	22 33	0 55	21 20	0 32	2 6	1 37	1 16	15 12	23 25	23 24	17 5	4 2	5 48
S 27	23 22	21 12	2 56	19 19	3 14	16 26	1 36	24 6	0 39	14 49	1 3	22 33	0 55	21 20	0 32	2 6	1 37	1 16	15 12	23 25	23 24	17 3	4 3	5 48
S 28	23 20	23 10	1 45	19 36	3 4	16 2	1 33	24 8	0 39	14 52	1 4	22 33	0 55	21 19	0 32	2 6	1 37	1 16	15 13	23 25	23 24	17 1	4 3	5 48
M29	23 17	23 37	0 26	19 54	2 52	15 39	1 30	24 9	0 40	14 56	1 4	22 33	0 55	21 18	0 32	2 6	1 37	1 16	15 13	23 25	23 24	16 59	4 3	5 49
T 30	23n13	22n25	0s56	20n12	2s41	15n15	1n26	24n10	0n40	14n59	1s 4	22n34	0s55	21n17	0n32	2s 6	1n37	1n16	15s13	23s25	23s24	16s56	4s 3	5n49

Julian Day Number = 2312904.5, Delta T = 66.17 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'33, Lahiri = 18°33'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

JULY 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 37 35	9♋18'06	21♋ 7	18♊14	24♌ 2	29♊47	13♉55	27♊53	27♋12	9♎ 2	13♉ 7	25°R48	25♐ 2	1♒24	5°R37	W 1
T 2	18 41 32	10°15'19	6♌13	19°26	25° 5	0♋27	14° 6	28° 1	27°16	9° 3	13° 8	25♐47	24°58	1°31	5♓35	T 2
F 3	18 45 28	11°12'32	21°12	20°42	26° 7	1° 7	14°17	28° 9	27°19	9° 3	13° 9	25°45	24°55	1°37	5°34	F 3
S 4	18 49 25	12° 9'45	5♍54	22° 2	27°10	1°47	14°28	28°16	27°23	9° 3	13°10	25°43	24°52	1°44	5°33	S 4
S 5	18 53 21	13° 6'58	20°15	23°27	28°12	2°27	14°38	28°24	27°27	9° 4	13°11	25°42	24°49	1°51	5°31	S 5
M 6	18 57 18	14° 4'10	4♎12	24°55	29°14	3° 7	14°48	28°32	27°30	9° 4	13°11	25°41	24°46	1°57	5°30	M 6
T 7	19 1 15	15° 1'23	17°45	26°27	0♍15	3°47	14°59	28°39	27°34	9° 5	13°12	25°D41	24°43	2° 4	5°28	T 7
W 8	19 5 11	15°58'35	0♏54	28° 4	1°16	4°27	15° 9	28°47	27°37	9° 6	13°13	25°41	24°39	2°11	5°27	W 8
T 9	19 9 8	16°55'48	13°43	29°43	2°17	5° 6	15°19	28°55	27°41	9° 6	13°14	25°42	24°36	2°18	5°25	T 9
F 10	19 13 4	17°53'00	26°14	1♋26	3°18	5°46	15°29	29° 2	27°45	9° 7	13°14	25°44	24°33	2°24	5°23	F 10
S 11	19 17 1	18°50'13	8♐32	3°13	4°18	6°26	15°39	29°10	27°48	9° 7	13°15	25°45	24°30	2°31	5°21	S 11
S 12	19 20 57	19°47'27	20°38	5° 3	5°18	7° 6	15°49	29°17	27°52	9° 8	13°16	25°R46	24°27	2°38	5°20	S 12
M13	19 24 54	20°44'40	2♑37	6°56	6°17	7°45	15°58	29°25	27°56	9° 9	13°16	25°46	24°24	2°44	5°18	M13
T 14	19 28 51	21°41'54	14°31	8°51	7°16	8°25	16° 8	29°32	27°59	9°10	13°17	25°45	24°20	2°51	5°16	T 14
W15	19 32 47	22°39'09	26°21	10°49	8°15	9° 4	16°17	29°40	28° 3	9°10	13°17	25°42	24°17	2°58	5°14	W15
T 16	19 36 44	23°36'23	8♒11	12°49	9°13	9°44	16°27	29°47	28° 7	9°11	13°18	25°38	24°14	3° 4	5°12	T 16
F 17	19 40 40	24°33'39	20° 2	14°51	10°11	10°23	16°36	29°55	28°10	9°12	13°19	25°34	24°11	3°11	5°10	F 17
S 18	19 44 37	25°30'55	1♓56	16°55	11° 8	11° 3	16°45	0♋ 2	28°14	9°13	13°19	25°29	24° 8	3°18	5° 8	S 18
S 19	19 48 33	26°28'12	13°55	19° 0	12° 5	11°42	16°54	0° 9	28°18	9°14	13°20	25°24	24° 4	3°24	5° 6	S 19
M20	19 52 30	27°25'30	26° 3	21° 5	13° 2	12°22	17° 3	0°17	28°21	9°15	13°20	25°19	24° 1	3°31	5° 4	M20
T 21	19 56 26	28°22'49	8♈23	23°12	13°58	13° 1	17°11	0°24	28°25	9°16	13°21	25°16	23°58	3°38	5° 2	T 21
W22	20 0 23	29°20'08	20°58	25°18	14°54	13°41	17°20	0°31	28°29	9°17	13°21	25°15	23°55	3°44	4°59	W22
T 23	20 4 19	0♌17'29	3♉52	27°25	15°49	14°20	17°28	0°38	28°32	9°18	13°21	25°D14	23°52	3°51	4°57	T 23
F 24	20 8 16	1°14'51	17° 7	29°31	16°44	14°59	17°36	0°45	28°36	9°19	13°22	25°15	23°49	3°58	4°55	F 24
S 25	20 12 13	2°12'14	0♊48	1♌37	17°38	15°38	17°45	0°53	28°40	9°20	13°22	25°17	23°45	4° 4	4°53	S 25
S 26	20 16 9	3° 9'38	14°55	3°42	18°31	16°18	17°53	1° 0	28°44	9°21	13°23	25°18	23°42	4°11	4°50	S 26
M27	20 20 6	4° 7'04	29°27	5°47	19°24	16°57	18° 1	1° 7	28°47	9°22	13°23	25°R18	23°39	4°18	4°48	M27
T 28	20 24 2	5° 4'30	14♋22	7°50	20°17	17°36	18° 8	1°14	28°51	9°23	13°23	25°17	23°36	4°24	4°45	T 28
W29	20 27 59	6° 1'58	29°31	9°52	21° 9	18°15	18°16	1°21	28°55	9°25	13°24	25°14	23°33	4°31	4°43	W29
T 30	20 31 55	6°59'26	14♌46	11°53	22° 0	18°54	18°23	1°27	28°58	9°26	13°24	25° 9	23°30	4°38	4°40	T 30
F 31	20 35 52	7♌56'56	29♌57	13♌52	22♍51	19♋33	18♉31	1♋34	29♋ 2	9♎27	13♉24	25♐ 3	23♐26	4♒44	4♓38	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n10	19n36	2s16	20n30	2s29	14n50	1n23	24n10	0n41	15n 2	1s 4	22n34	0s55	21n17	0n32	2s 6	1n37	1n16	15s13	23s25	23s24	16s54	4s 3	5n49	
T 2	23 5	15 26	3 25	20 48	2 16	14 26	1 19	24 11	0 41	15 5	1 4	22 34	0 54	21 16	0 32	2 7	1 37	1 16	15 14	23 25	23 24	16 52	4 4	5 49	
F 3	23 1	10 21	4 21	21 6	2 4	14 1	1 16	24 11	0 42	15 8	1 4	22 34	0 54	21 15	0 32	2 7	1 37	1 16	15 14	23 25	23 23	16 50	4 4	5 50	
S 4	22 56	4 45	4 57	21 24	1 51	13 36	1 12	24 11	0 42	15 11	1 4	22 34	0 54	21 15	0 32	2 7	1 37	1 16	15 14	23 25	23 23	16 48	4 4	5 50	
S 5	22 50	0s57	5 15	21 42	1 38	13 11	1 8	24 11	0 43	15 14	1 4	22 34	0 54	21 14	0 32	2 7	1 37	1 16	15 14	23 25	23 23	16 46	4 4	5 50	
M 6	22 45	6 27	5 13	21 59	1 25	12 45	1 3	24 11	0 43	15 17	1 4	22 35	0 54	21 13	0 32	2 7	1 37	1 16	15 15	23 25	23 23	16 44	4 5	5 50	
T 7	22 38	11 29	4 53	22 15	1 12	12 20	0 59	24 10	0 44	15 20	1 4	22 35	0 54	21 13	0 32	2 8	1 37	1 16	15 15	23 25	23 23	16 41	4 5	5 51	
W 8	22 32	15 50	4 18	22 30	0 58	11 54	0 55	24 9	0 44	15 23	1 5	22 35	0 54	21 12	0 32	2 8	1 37	1 16	15 15	23 25	23 23	16 39	4 6	5 51	
T 9	22 25	19 21	3 32	22 44	0 45	11 28	0 50	24 8	0 45	15 26	1 5	22 35	0 54	21 11	0 32	2 8	1 36	1 16	15 15	23 25	23 23	16 37	4 6	5 51	
F 10	22 17	21 52	2 36	22 56	0 33	11 2	0 46	24 7	0 45	15 29	1 5	22 35	0 54	21 10	0 32	2 9	1 36	1 16	15 16	23 25	23 23	16 35	4 6	5 51	
S 11	22 10	23 19	1 34	23 7	0 20	10 35	0 41	24 6	0 46	15 31	1 5	22 35	0 54	21 10	0 32	2 9	1 36	1 16	15 16	23 25	23 22	16 33	4 7	5 51	
S 12	22 2	23 38	0 28	23 16	0 8	10 9	0 36	24 4	0 46	15 34	1 5	22 35	0 54	21 9	0 32	2 9	1 36	1 16	15 16	23 25	23 22	16 31	4 7	5 52	
M13	21 53	22 50	0n38	23 23	0n 4	9 42	0 31	24 2	0 47	15 37	1 5	22 35	0 54	21 8	0 32	2 9	1 36	1 15	15 16	23 25	23 22	16 28	4 8	5 52	
T 14	21 44	21 1	1 41	23 27	0 16	9 15	0 25	24 0	0 47	15 39	1 5	22 35	0 54	21 7	0 32	2 10	1 36	1 15	15 17	23 25	23 22	16 26	4 8	5 52	
W15	21 35	18 18	2 40	23 29	0 27	8 48	0 20	23 58	0 48	15 42	1 5	22 36	0 54	21 7	0 32	2 10	1 36	1 15	15 17	23 25	23 22	16 24	4 9	5 52	
T 16	21 25	14 51	3 32	23 29	0 37	8 21	0 14	23 56	0 48	15 45	1 5	22 36	0 54	21 6	0 32	2 11	1 36	1 15	15 17	23 25	23 22	16 22	4 9	5 52	
F 17	21 15	10 48	4 15	23 26	0 47	7 54	0 9	23 53	0 49	15 47	1 6	22 36	0 54	21 5	0 32	2 11	1 36	1 15	15 17	23 25	23 22	16 20	4 10	5 53	
S 18	21 5	6 21	4 46	23 21	0 56	7 27	0 3	23 51	0 49	15 50	1 6	22 36	0 54	21 5	0 32	2 11	1 36	1 15	15 18	23 25	23 21	16 18	4 10	5 53	
S 19	20 54	1 38	5 6	23 12	1 5	7 0	0s 3	23 48	0 50	15 52	1 6	22 36	0 54	21 4	0 32	2 12	1 36	1 15	15 18	23 24	23 21	16 15	4 11	5 53	
M20	20 43	3n12	5 12	23 1	1 12	6 32	0 9	23 45	0 50	15 54	1 6	22 36	0 54	21 3	0 32	2 12	1 36	1 15	15 18	23 24	23 21	16 13	4 12	5 53	
T 21	20 32	7 59	5 4	22 47	1 19	6 5	0 15	23 41	0 51	15 57	1 6	22 36	0 53	21 2	0 32	2 13	1 36	1 15	15 19	23 24	23 21	16 11	4 12	5 53	
W22	20 20	12 32	4 41	22 31	1 25	5 38	0 22	23 38	0 51	15 59	1 6	22 36	0 53	21 2	0 32	2 13	1 36	1 14	15 19	23 24	23 21	16 9	4 13	5 53	
T 23	20 8	16 39	4 4	22 12	1 31	5 10	0 28	23 34	0 51	16 1	1 6	22 36	0 53	21 1	0 32	2 13	1 36	1 14	15 19	23 24	23 21	16 7	4 13	5 54	
F 24	19 55	20 4	3 13	21 51	1 35	4 43	0 35	23 30	0 52	16 3	1 6	22 36	0 53	21 0	0 32	2 14	1 36	1 14	15 19	23 24	23 21	16 4	4 14	5 54	
S 25	19 43	22 28	2 10	21 27	1 39	4 16	0 41	23 26	0 52	16 6	1 7	22 36	0 53	20 59	0 32	2 14	1 36	1 14	15 20	23 24	23 20	16 2	4 15	5 54	
S 26	19 29	23 34	0 56	21 1	1 42	3 48	0 48	23 22	0 53	16 8	1 7	22 36	0 53	20 59	0 32	2 15	1 36	1 14	15 20	23 24	23 20	16 0	4 16	5 54	
M27	19 16	23 7	0s23	20 33	1 44	3 21	0 55	23 18	0 53	16 10	1 7	22 36	0 53	20 58	0 32	2 15	1 36	1 14	15 20	23 24	23 20	15 58	4 16	5 54	
T 28	19 2	21 2	1 42	20 3	1 46	2 54	1 3	23 13	0 54	16 12	1 7	22 36	0 53	20 57	0 32	2 16	1 36	1 13	15 21	23 24	23 20	15 56	4 17	5 54	
W29	18 48	17 27	2 55	19 31	1 46	2 27	1 10	23 8	0 54	16 14	1 7	22 36	0 53	20 56	0 32	2 16	1 36	1 13	15 21	23 24	23 20	15 53	4 18	5 54	
T 30	18 34	12 40	3 56	18 58	1 47	2 0	1 17	23 3	0 55	16 16	1 7	22 36	0 53	20 56	0 32	2 17	1 36	1 13	15 21	23 24	23 20	15 51	4 19	5 55	
F 31	18n19	7n 8	4s40	18n23	1n46	1n33	1s25	22n58	0n55	16n18	1s 7	22n36	0s53	20n55	0n32	2s17	1n35	1n13	15s21	23s24	23s20	15s49	4s19	5n55	

Julian Day Number = 2312934.5, Delta T = 66.09 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'37, Lahiri = 18°33'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

AUGUST 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 39 49	8♌54'26	14♍53	15♌51	23♍41	20♋12	18♉38	1♋41	29♋ 6	9♎28	13♉24	24°R56	23♐23	4♒51	4°R35	S 1
S 2	20 43 45	9°51'57	29°26	17°47	24°30	20°51	18°45	1°48	29° 9	9°30	13°25	24♐50	23°20	4°58	4♓33	S 2
M 3	20 47 42	10°49'29	13♎33	19°43	25°18	21°30	18°52	1°55	29°13	9°31	13°25	24°46	23°17	5° 4	4°30	M 3
T 4	20 51 38	11°47'02	27°11	21°36	26° 6	22° 9	18°58	2° 1	29°16	9°32	13°25	24°43	23°14	5°11	4°28	T 4
W 5	20 55 35	12°44'35	10♏21	23°29	26°53	22°48	19° 5	2° 8	29°20	9°34	13°25	24°D42	23°10	5°18	4°25	W 5
T 6	20 59 31	13°42'10	23° 7	25°19	27°39	23°26	19°11	2°15	29°24	9°35	13°25	24°42	23° 7	5°24	4°22	T 6
F 7	21 3 28	14°39'46	5♐32	27° 9	28°24	24° 5	19°17	2°21	29°27	9°36	13°26	24°43	23° 4	5°31	4°19	F 7
S 8	21 7 24	15°37'22	17°42	28°56	29° 9	24°44	19°23	2°27	29°31	9°38	13°26	24°44	23° 1	5°38	4°17	S 8
S 9	21 11 21	16°35'00	29°42	0♑43	29°52	25°23	19°29	2°34	29°34	9°39	13°26	24°R44	22°58	5°45	4°14	S 9
M10	21 15 18	17°32'38	11♑34	2°27	0♎35	26° 1	19°35	2°40	29°38	9°41	13°26	24°43	22°55	5°51	4°11	M10
T 11	21 19 14	18°30'18	23°23	4°11	1°16	26°40	19°41	2°47	29°42	9°42	13°26	24°39	22°51	5°58	4° 8	T 11
W12	21 23 11	19°27'59	5♒13	5°53	1°57	27°19	19°46	2°53	29°45	9°44	13°26	24°33	22°48	6° 5	4° 6	W12
T 13	21 27 7	20°25'41	17° 4	7°33	2°36	27°57	19°51	2°59	29°49	9°46	13°R26	24°25	22°45	6°11	4° 3	T 13
F 14	21 31 4	21°23'25	28°59	9°12	3°15	28°36	19°56	3° 5	29°52	9°47	13°26	24°15	22°42	6°18	4° 0	F 14
S 15	21 35 0	22°21'09	11♓ 0	10°50	3°52	29°14	20° 1	3°11	29°56	9°49	13°26	24° 4	22°39	6°25	3°57	S 15
S 16	21 38 57	23°18'56	23° 8	12°26	4°28	29°53	20° 6	3°17	29°59	9°50	13°26	23°53	22°35	6°31	3°54	S 16
M17	21 42 53	24°16'44	5♈24	14° 1	5° 2	0♌31	20°11	3°23	0♌ 3	9°52	13°26	23°43	22°32	6°38	3°51	M17
T 18	21 46 50	25°14'33	17°50	15°34	5°36	1°10	20°15	3°29	0° 6	9°54	13°26	23°36	22°29	6°45	3°48	T 18
W19	21 50 46	26°12'25	0♉29	17° 6	6° 8	1°48	20°19	3°35	0° 9	9°56	13°26	23°30	22°26	6°51	3°45	W19
T 20	21 54 43	27°10'18	13°23	18°37	6°39	2°26	20°23	3°40	0°13	9°57	13°25	23°27	22°23	6°58	3°43	T 20
F 21	21 58 40	28° 8'13	26°35	20° 6	7° 8	3° 5	20°27	3°46	0°16	9°59	13°25	23°D27	22°20	7° 5	3°40	F 21
S 22	22 2 36	29° 6'10	10♊ 7	21°34	7°36	3°43	20°31	3°52	0°20	10° 1	13°25	23°27	22°16	7°11	3°37	S 22
S 23	22 6 33	0♍ 4'09	24° 3	23° 0	8° 2	4°21	20°34	3°57	0°23	10° 3	13°25	23°R27	22°13	7°18	3°34	S 23
M24	22 10 29	1° 2'10	8♋22	24°25	8°27	5° 0	20°37	4° 3	0°26	10° 4	13°25	23°26	22°10	7°25	3°31	M24
T 25	22 14 26	2° 0'12	23° 3	25°49	8°49	5°38	20°40	4° 8	0°29	10° 6	13°24	23°23	22° 7	7°31	3°28	T 25
W26	22 18 22	2°58'17	8♌ 1	27°11	9°11	6°16	20°43	4°13	0°33	10° 8	13°24	23°18	22° 4	7°38	3°25	W26
T 27	22 22 19	3°56'23	23° 9	28°31	9°30	6°54	20°46	4°19	0°36	10°10	13°24	23°10	22° 1	7°45	3°22	T 27
F 28	22 26 15	4°54'31	8♍17	29°50	9°48	7°32	20°49	4°24	0°39	10°12	13°24	23° 0	21°57	7°52	3°19	F 28
S 29	22 30 12	5°52'41	23°15	1♎ 7	10° 3	8°10	20°51	4°29	0°42	10°14	13°23	22°50	21°54	7°58	3°16	S 29
S 30	22 34 9	6°50'52	7♎54	2°23	10°17	8°49	20°53	4°34	0°46	10°16	13°23	22°40	21°51	8° 5	3°13	S 30
M31	22 38 5	7♍49'05	22♎ 6	3♎37	10♎29	9♌27	20♉55	4♋39	0♌49	10♎18	13♉23	22♐31	21♐48	8♒12	3♓10	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 4	1n17	5s 4	17n47	1n45	1n 6	1s33	22n53	0n55	16n19	1s 7	22n36	0s53	20n54	0n32	2s18	1n35	1n13	15s22	23s23	23s19	15s47	4s20	5n55
S 2	17 49	4s29	5 8	17 10	1 43	0 39	1 41	22 47	0 56	16 21	1 8	22 35	0 53	20 53	0 32	2 18	1 35	1 12	15 22	23 23	23 19	15 44	4 21	5 55
M 3	17 33	9 51	4 53	16 32	1 41	0 12	1 49	22 42	0 56	16 23	1 8	22 35	0 53	20 53	0 32	2 19	1 35	1 12	15 22	23 23	23 19	15 42	4 22	5 55
T 4	17 17	14 33	4 21	15 53	1 38	0s14	1 57	22 36	0 57	16 25	1 8	22 35	0 53	20 52	0 32	2 20	1 35	1 12	15 23	23 23	23 19	15 40	4 23	5 55
W 5	17 1	18 23	3 36	15 13	1 35	0 40	2 5	22 30	0 57	16 26	1 8	22 35	0 53	20 51	0 32	2 20	1 35	1 12	15 23	23 23	23 19	15 38	4 24	5 55
T 6	16 45	21 12	2 42	14 32	1 31	1 6	2 13	22 24	0 58	16 28	1 8	22 35	0 53	20 50	0 32	2 21	1 35	1 12	15 23	23 23	23 19	15 36	4 25	5 55
F 7	16 28	22 56	1 42	13 51	1 27	1 32	2 22	22 17	0 58	16 29	1 8	22 35	0 53	20 50	0 32	2 21	1 35	1 11	15 23	23 23	23 18	15 33	4 25	5 55
S 8	16 11	23 33	0 38	13 9	1 22	1 58	2 31	22 11	0 58	16 31	1 8	22 35	0 53	20 49	0 32	2 22	1 35	1 11	15 24	23 23	23 18	15 31	4 26	5 55
S 9	15 54	23 3	0n27	12 26	1 17	2 23	2 39	22 4	0 59	16 32	1 9	22 35	0 53	20 48	0 32	2 23	1 35	1 11	15 24	23 23	23 18	15 29	4 27	5 55
M10	15 36	21 30	1 29	11 44	1 11	2 48	2 48	21 57	0 59	16 34	1 9	22 35	0 53	20 47	0 32	2 23	1 35	1 11	15 24	23 23	23 18	15 27	4 28	5 55
T 11	15 19	19 2	2 28	11 1	1 6	3 13	2 57	21 50	1 0	16 35	1 9	22 35	0 53	20 47	0 32	2 24	1 35	1 10	15 25	23 23	23 18	15 24	4 29	5 56
W12	15 1	15 47	3 19	10 18	0 59	3 38	3 7	21 43	1 0	16 36	1 9	22 35	0 53	20 46	0 32	2 24	1 35	1 10	15 25	23 23	23 18	15 22	4 30	5 56
T 13	14 43	11 54	4 3	9 34	0 53	4 2	3 16	21 36	1 0	16 38	1 9	22 34	0 53	20 45	0 32	2 25	1 35	1 10	15 25	23 22	23 17	15 20	4 31	5 56
F 14	14 24	7 33	4 35	8 51	0 46	4 26	3 25	21 29	1 1	16 39	1 9	22 34	0 53	20 45	0 32	2 26	1 35	1 9	15 26	23 22	23 17	15 18	4 32	5 56
S 15	14 5	2 53	4 56	8 8	0 39	4 49	3 35	21 21	1 1	16 40	1 10	22 34	0 53	20 44	0 32	2 26	1 35	1 9	15 26	23 21	23 17	15 15	4 33	5 56
S 16	13 46	1n55	5 4	7 24	0 32	5 12	3 44	21 13	1 2	16 41	1 10	22 34	0 53	20 43	0 32	2 27	1 35	1 9	15 26	23 21	23 17	15 13	4 34	5 56
M17	13 27	6 42	4 58	6 41	0 25	5 35	3 54	21 5	1 2	16 42	1 10	22 34	0 53	20 42	0 32	2 28	1 35	1 9	15 26	23 20	23 17	15 11	4 35	5 56
T 18	13 8	11 17	4 38	5 58	0 17	5 57	4 4	20 57	1 3	16 43	1 10	22 34	0 53	20 42	0 32	2 29	1 35	1 8	15 27	23 20	23 16	15 9	4 36	5 56
W19	12 48	15 28	4 4	5 15	0 9	6 19	4 14	20 49	1 3	16 44	1 10	22 34	0 53	20 41	0 32	2 29	1 35	1 8	15 27	23 20	23 16	15 6	4 37	5 56
T 20	12 29	19 0	3 17	4 32	0 2	6 41	4 24	20 41	1 3	16 45	1 10	22 34	0 53	20 40	0 32	2 30	1 35	1 8	15 27	23 20	23 16	15 4	4 38	5 56
F 21	12 9	21 40	2 18	3 50	0s 7	7 1	4 34	20 33	1 4	16 46	1 10	22 33	0 53	20 39	0 32	2 31	1 35	1 7	15 28	23 20	23 16	15 2	4 39	5 56
S 22	11 49	23 10	1 10	3 8	0 15	7 22	4 44	20 24	1 4	16 47	1 11	22 33	0 53	20 39	0 32	2 31	1 35	1 7	15 28	23 20	23 16	14 59	4 40	5 56
S 23	11 28	23 18	0s 3	2 26	0 23	7 41	4 54	20 15	1 4	16 48	1 11	22 33	0 53	20 38	0 32	2 32	1 35	1 7	15 28	23 20	23 16	14 57	4 42	5 56
M24	11 8	21 55	1 19	1 44	0 32	8 1	5 4	20 6	1 5	16 48	1 11	22 33	0 53	20 37	0 32	2 33	1 35	1 6	15 28	23 20	23 15	14 55	4 43	5 56
T 25	10 47	19 3	2 30	1 3	0 40	8 19	5 14	19 57	1 5	16 49	1 11	22 33	0 53	20 37	0 32	2 34	1 35	1 6	15 29	23 19	23 15	14 53	4 44	5 55
W26	10 26	14 52	3 33	0 23	0 49	8 37	5 25	19 48	1 6	16 50	1 11	22 33	0 53	20 36	0 32	2 34	1 35	1 6	15 29	23 19	23 15	14 50	4 45	5 55
T 27	10 5	9 42	4 22	0s17	0 58	8 54	5 35	19 39	1 6	16 50	1 11	22 32	0 53	20 35	0 32	2 35	1 35	1 5	15 29	23 19	23 15	14 48	4 46	5 55
F 28	9 44	3 58	4 52	0 57	1 6	9 10	5 45	19 30	1 6	16 51	1 12	22 32	0 53	20 35	0 32	2 36	1 35	1 5	15 30	23 18	23 15	14 46	4 47	5 55
S 29	9 22	1s56	5 2	1 36	1 15	9 26	5 55	19 20	1 7	16 51	1 12	22 32	0 53	20 34	0 32	2 37	1 35	1 5	15 30	23 18	23 14	14 44	4 48	5 55
S 30	9 1	7 36	4 51	2 14	1 24	9 41	6 6	19 10	1 7	16 51	1 12	22 32	0 53	20 33	0 32	2 37	1 34	1 4	15 30	23 17	23 14	14 41	4 49	5 55
M31	8n39	12s41	4s23	2s51	1s33	9s55	6s16	19n 1	1n 8	16n52	1s12	22n32	0s53	20n33	0n32	2s38	1n34	1n 4	15s30	23s17	23s14	14s39	4s50	5n55

Julian Day Number = 2312965.5, Delta T = 66.02 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'41, Lahiri = 18°33'42Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1620
geocentric

SEPTEMBER 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 42 2	8♍47'19	5♏50	4♎49	10♎38	10♌ 5	20♉57	4♋44	0♌52	10♎20	13°R22	22°R25	21♐45	8♒18	3°R 7	T 1
W 2	22 45 58	9°45'35	19° 4	5°59	10°46	10°42	20°58	4°48	0°55	10°22	13♉22	22♐21	21°41	8°25	3♓ 4	W 2
T 3	22 49 55	10°43'52	1♐52	7° 7	10°51	11°20	21° 0	4°53	0°58	10°24	13°21	22°20	21°38	8°32	3° 1	T 3
F 4	22 53 51	11°42'12	14°18	8°14	10°54	11°58	21° 1	4°58	1° 1	10°26	13°21	22°D20	21°35	8°38	2°59	F 4
S 5	22 57 48	12°40'32	26°27	9°17	10°R55	12°36	21° 2	5° 2	1° 4	10°28	13°20	22°R20	21°32	8°45	2°56	S 5
S 6	23 1 44	13°38'54	8♑24	10°19	10°53	13°14	21° 3	5° 7	1° 7	10°30	13°20	22°19	21°29	8°52	2°53	S 6
M 7	23 5 41	14°37'18	20°15	11°18	10°49	13°52	21° 3	5°11	1°10	10°32	13°19	22°16	21°26	8°58	2°50	M 7
T 8	23 9 38	15°35'44	2♒ 3	12°15	10°43	14°30	21° 3	5°15	1°13	10°34	13°19	22°11	21°22	9° 5	2°47	T 8
W 9	23 13 34	16°34'11	13°54	13° 8	10°34	15° 7	21°R 4	5°19	1°16	10°36	13°18	22° 3	21°19	9°12	2°44	W 9
T 10	23 17 31	17°32'40	25°49	13°59	10°23	15°45	21° 4	5°23	1°18	10°38	13°18	21°52	21°16	9°18	2°41	T 10
F 11	23 21 27	18°31'10	7♓52	14°46	10° 9	16°23	21° 3	5°27	1°21	10°40	13°17	21°39	21°13	9°25	2°39	F 11
S 12	23 25 24	19°29'43	20° 3	15°30	9°53	17° 0	21° 3	5°31	1°24	10°42	13°17	21°25	21°10	9°32	2°36	S 12
S 13	23 29 20	20°28'17	2♈23	16°10	9°35	17°38	21° 2	5°35	1°27	10°44	13°16	21°11	21° 7	9°39	2°33	S 13
M14	23 33 17	21°26'54	14°53	16°46	9°14	18°16	21° 1	5°39	1°29	10°46	13°15	20°59	21° 3	9°45	2°30	M14
T 15	23 37 13	22°25'32	27°34	17°17	8°52	18°53	21° 0	5°42	1°32	10°48	13°15	20°49	21° 0	9°52	2°28	T 15
W16	23 41 10	23°24'13	10♉25	17°44	8°27	19°31	20°59	5°46	1°35	10°51	13°14	20°41	20°57	9°59	2°25	W16
T 17	23 45 7	24°22'56	23°28	18° 5	8° 0	20° 8	20°58	5°49	1°37	10°53	13°13	20°37	20°54	10° 5	2°22	T 17
F 18	23 49 3	25°21'41	6♊44	18°22	7°31	20°46	20°56	5°53	1°40	10°55	13°13	20°35	20°51	10°12	2°20	F 18
S 19	23 53 0	26°20'29	20°16	18°32	7° 1	21°23	20°54	5°56	1°42	10°57	13°12	20°35	20°47	10°19	2°17	S 19
S 20	23 56 56	27°19'19	4♋ 4	18°R36	6°29	22° 0	20°52	5°59	1°45	10°59	13°11	20°35	20°44	10°25	2°14	S 20
M21	0 0 53	28°18'11	18°11	18°33	5°56	22°38	20°50	6° 2	1°47	11° 1	13°11	20°34	20°41	10°32	2°12	M21
T 22	0 4 49	29°17'06	2♌34	18°23	5°21	23°15	20°48	6° 5	1°49	11° 4	13°10	20°31	20°38	10°39	2° 9	T 22
W23	0 8 46	0♎16'02	17°13	18° 6	4°46	23°53	20°45	6° 8	1°52	11° 6	13° 9	20°25	20°35	10°45	2° 7	W23
T 24	0 12 42	1°15'01	2♍ 0	17°41	4°10	24°30	20°42	6°11	1°54	11° 8	13° 8	20°16	20°32	10°52	2° 4	T 24
F 25	0 16 39	2°14'02	16°50	17° 9	3°34	25° 7	20°39	6°13	1°56	11°10	13° 8	20° 6	20°28	10°59	2° 2	F 25
S 26	0 20 36	3°13'06	1♎34	16°29	2°57	25°44	20°36	6°16	1°59	11°12	13° 7	19°55	20°25	11° 5	1°59	S 26
S 27	0 24 32	4°12'11	16° 3	15°42	2°20	26°21	20°32	6°18	2° 1	11°15	13° 6	19°44	20°22	11°12	1°57	S 27
M28	0 28 29	5°11'18	0♏11	14°48	1°44	26°59	20°29	6°21	2° 3	11°17	13° 5	19°34	20°19	11°19	1°55	M28
T 29	0 32 25	6°10'28	13°54	13°48	1° 7	27°36	20°25	6°23	2° 5	11°19	13° 4	19°27	20°16	11°26	1°52	T 29
W30	0 36 22	7♎ 9'39	27♏10	12♎43	0♎32	28♌13	20♉21	6♋25	2♌ 7	11♎21	13♉ 3	19♐23	20♐12	11♒32	1♓50	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n17	16s57	3s40	3s28	1s42	10s 8	6s26	18n51	1n 8	16n52	1s12	22n32	0s53	20n32	0n32	2s39	1n34	1n 4	15s31	23s16	23s14	14s37	4s52	5n55
W 2	7 56	20 12	2 47	4 4	1 50	10 20	6 36	18 41	1 8	16 52	1 12	22 31	0 53	20 31	0 32	2 40	1 34	1 3	15 31	23 16	23 14	14 34	4 53	5 55
T 3	7 33	22 19	1 46	4 39	1 59	10 31	6 45	18 31	1 9	16 53	1 12	22 31	0 53	20 31	0 32	2 41	1 34	1 3	15 31	23 16	23 13	14 32	4 54	5 55
F 4	7 11	23 16	0 42	5 13	2 8	10 41	6 55	18 21	1 9	16 53	1 13	22 31	0 53	20 30	0 32	2 41	1 34	1 2	15 31	23 16	23 13	14 30	4 55	5 55
S 5	6 49	23 5	0n22	5 46	2 16	10 49	7 4	18 10	1 9	16 53	1 13	22 31	0 53	20 29	0 33	2 42	1 34	1 2	15 32	23 16	23 13	14 27	4 56	5 55
S 6	6 27	21 49	1 24	6 18	2 24	10 57	7 13	18 0	1 10	16 53	1 13	22 31	0 53	20 29	0 33	2 43	1 34	1 2	15 32	23 16	23 13	14 25	4 57	5 54
M 7	6 4	19 37	2 22	6 49	2 33	11 4	7 22	17 49	1 10	16 53	1 13	22 31	0 53	20 28	0 33	2 44	1 34	1 1	15 32	23 16	23 13	14 23	4 58	5 54
T 8	5 41	16 36	3 14	7 19	2 41	11 9	7 31	17 39	1 11	16 53	1 13	22 30	0 53	20 28	0 33	2 45	1 34	1 1	15 32	23 15	23 12	14 21	4 59	5 54
W 9	5 19	12 54	3 57	7 47	2 49	11 13	7 39	17 28	1 11	16 53	1 13	22 30	0 53	20 27	0 33	2 45	1 34	1 0	15 33	23 15	23 12	14 18	5 1	5 54
T 10	4 56	8 42	4 30	8 14	2 56	11 16	7 47	17 17	1 11	16 53	1 14	22 30	0 53	20 26	0 33	2 46	1 34	1 0	15 33	23 14	23 12	14 16	5 2	5 54
F 11	4 33	4 8	4 51	8 39	3 3	11 17	7 54	17 6	1 12	16 52	1 14	22 30	0 53	20 26	0 33	2 47	1 34	1 0	15 33	23 13	23 12	14 14	5 3	5 54
S 12	4 10	0n39	5 0	9 2	3 10	11 17	8 1	16 55	1 12	16 52	1 14	22 30	0 53	20 25	0 33	2 48	1 34	0 59	15 33	23 13	23 12	14 11	5 4	5 53
S 13	3 47	5 27	4 54	9 24	3 17	11 15	8 7	16 44	1 12	16 52	1 14	22 30	0 53	20 25	0 33	2 49	1 34	0 59	15 34	23 12	23 11	14 9	5 5	5 53
M14	3 24	10 6	4 34	9 43	3 23	11 12	8 13	16 32	1 13	16 51	1 14	22 30	0 53	20 24	0 33	2 50	1 34	0 59	15 34	23 11	23 11	14 7	5 6	5 53
T 15	3 1	14 22	4 1	10 1	3 29	11 8	8 18	16 21	1 13	16 51	1 14	22 29	0 53	20 24	0 33	2 50	1 34	0 58	15 34	23 10	23 11	14 4	5 7	5 53
W16	2 37	18 3	3 15	10 16	3 34	11 2	8 22	16 10	1 13	16 51	1 14	22 29	0 53	20 23	0 33	2 51	1 34	0 58	15 34	23 10	23 11	14 2	5 9	5 53
T 17	2 14	20 54	2 18	10 28	3 38	10 55	8 26	15 58	1 14	16 50	1 15	22 29	0 53	20 22	0 33	2 52	1 34	0 57	15 35	23 9	23 11	14 0	5 10	5 53
F 18	1 51	22 40	1 13	10 37	3 42	10 46	8 28	15 46	1 14	16 50	1 15	22 29	0 53	20 22	0 33	2 53	1 34	0 57	15 35	23 9	23 10	13 57	5 11	5 52
S 19	1 27	23 9	0 2	10 44	3 44	10 35	8 30	15 35	1 14	16 49	1 15	22 29	0 53	20 21	0 33	2 54	1 34	0 57	15 35	23 9	23 10	13 55	5 12	5 52
S 20	1 4	22 15	1s11	10 47	3 46	10 24	8 32	15 23	1 15	16 48	1 15	22 29	0 53	20 21	0 33	2 55	1 34	0 56	15 35	23 9	23 10	13 53	5 13	5 52
M21	0 41	19 56	2 20	10 47	3 47	10 11	8 32	15 11	1 15	16 48	1 15	22 28	0 53	20 20	0 33	2 56	1 34	0 56	15 35	23 9	23 10	13 50	5 14	5 52
T 22	0 17	16 20	3 23	10 43	3 47	9 57	8 31	14 59	1 16	16 47	1 15	22 28	0 53	20 20	0 33	2 57	1 34	0 55	15 36	23 9	23 9	13 48	5 15	5 51
W23	0s 6	11 42	4 12	10 34	3 45	9 41	8 30	14 47	1 16	16 46	1 15	22 28	0 53	20 19	0 33	2 57	1 34	0 55	15 36	23 8	23 9	13 46	5 16	5 51
T 24	0 30	6 20	4 46	10 22	3 41	9 24	8 27	14 35	1 16	16 45	1 15	22 28	0 53	20 19	0 33	2 58	1 34	0 54	15 36	23 8	23 9	13 43	5 17	5 51
F 25	0 53	0 36	5 0	10 5	3 37	9 7	8 24	14 23	1 17	16 44	1 16	22 28	0 53	20 18	0 33	2 59	1 34	0 54	15 36	23 7	23 9	13 41	5 19	5 51
S 26	1 17	5s 8	4 55	9 43	3 30	8 48	8 19	14 10	1 17	16 43	1 16	22 28	0 53	20 18	0 33	3 0	1 34	0 54	15 36	23 6	23 8	13 39	5 20	5 51
S 27	1 40	10 29	4 30	9 17	3 22	8 29	8 14	13 58	1 17	16 42	1 16	22 28	0 53	20 17	0 33	3 1	1 34	0 53	15 37	23 5	23 8	13 36	5 21	5 50
M28	2 4	15 8	3 49	8 47	3 11	8 9	8 8	13 46	1 18	16 41	1 16	22 28	0 53	20 17	0 33	3 2	1 34	0 53	15 37	23 5	23 8	13 34	5 22	5 50
T 29	2 27	18 51	2 56	8 12	2 59	7 48	8 1	13 33	1 18	16 40	1 16	22 27	0 53	20 17	0 33	3 3	1 34	0 52	15 37	23 4	23 8	13 32	5 23	5 50
W30	2s51	21s26	1s55	7s34	2s45	7s26	7s53	13n20	1n18	16n39	1s16	22n27	0s53	20n16	0n33	3s 3	1n34	0n52	15s37	23s 4	23s 8	13s29	5s24	5n49

Julian Day Number = 2312996.5, Delta T = 65.94 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'45, Lahiri = 18°33'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

OCTOBER 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 40 18	8♎ 8'52	10♐ 0	11°R35	29°R58	28♌50	20°R17	6♋27	2♌ 9	11♎24	13°R 2	19°R21	20♐ 9	11♒39	1°R48	T 1
F 2	0 44 15	9° 8'07	22°29	10♎24	29♍24	29°27	20♉13	6°29	2°11	11°26	13♉ 2	19°D20	20° 6	11°46	1♓46	F 2
S 3	0 48 11	10° 7'24	4♑39	9°14	28°52	0♍ 4	20° 8	6°31	2°13	11°28	13° 1	19°R21	20° 3	11°52	1°44	S 3
S 4	0 52 8	11° 6'42	16°38	8° 5	28°22	0°41	20° 3	6°32	2°15	11°30	13° 0	19♐21	20° 0	11°59	1°42	S 4
M 5	0 56 4	12° 6'03	28°29	7° 0	27°53	1°18	19°58	6°34	2°16	11°33	12°59	19°19	19°57	12° 6	1°40	M 5
T 6	1 0 1	13° 5'25	10♒19	6° 0	27°26	1°55	19°53	6°36	2°18	11°35	12°58	19°16	19°53	12°12	1°38	T 6
W 7	1 3 58	14° 4'49	22°12	5° 8	27° 2	2°31	19°48	6°37	2°20	11°37	12°57	19° 9	19°50	12°19	1°36	W 7
T 8	1 7 54	15° 4'14	4♓12	4°25	26°39	3° 8	19°43	6°38	2°22	11°39	12°56	19° 1	19°47	12°26	1°34	T 8
F 9	1 11 51	16° 3'42	16°22	3°52	26°18	3°45	19°37	6°39	2°23	11°42	12°55	18°51	19°44	12°32	1°32	F 9
S 10	1 15 47	17° 3'11	28°43	3°29	26° 0	4°22	19°32	6°40	2°25	11°44	12°54	18°39	19°41	12°39	1°30	S 10
S 11	1 19 44	18° 2'43	11♈18	3°17	25°44	4°59	19°26	6°41	2°26	11°46	12°53	18°28	19°38	12°46	1°28	S 11
M12	1 23 40	19° 2'16	24° 5	3°D17	25°31	5°35	19°20	6°42	2°28	11°48	12°52	18°17	19°34	12°53	1°27	M12
T 13	1 27 37	20° 1'52	7♉ 6	3°27	25°20	6°12	19°14	6°43	2°29	11°50	12°51	18° 9	19°31	12°59	1°25	T 13
W14	1 31 33	21° 1'30	20°17	3°48	25°11	6°48	19° 7	6°43	2°31	11°53	12°50	18° 3	19°28	13° 6	1°23	W14
T 15	1 35 30	22° 1'10	3♊40	4°19	25° 5	7°25	19° 1	6°44	2°32	11°55	12°49	18° 0	19°25	13°13	1°22	T 15
F 16	1 39 27	23° 0'52	17°13	4°59	25° 2	8° 2	18°54	6°44	2°33	11°57	12°48	17°D59	19°22	13°19	1°20	F 16
S 17	1 43 23	24° 0'36	0♋56	5°47	25°D 1	8°38	18°48	6°44	2°34	11°59	12°47	18° 0	19°18	13°26	1°19	S 17
S 18	1 47 20	25° 0'23	14°48	6°43	25° 2	9°14	18°41	6°45	2°35	12° 1	12°46	18° 0	19°15	13°33	1°17	S 18
M19	1 51 16	26° 0'12	28°50	7°46	25° 6	9°51	18°34	6°R45	2°37	12° 4	12°45	18°R 1	19°12	13°39	1°16	M19
T 20	1 55 13	27° 0'03	13♌ 2	8°54	25°12	10°27	18°27	6°45	2°38	12° 6	12°44	18° 0	19° 9	13°46	1°15	T 20
W21	1 59 9	27°59'57	27°20	10° 8	25°20	11° 4	18°20	6°44	2°39	12° 8	12°42	17°56	19° 6	13°53	1°13	W21
T 22	2 3 6	28°59'52	11♍43	11°26	25°31	11°40	18°12	6°44	2°40	12°10	12°41	17°51	19° 3	14° 0	1°12	T 22
F 23	2 7 2	29°59'50	26° 6	12°48	25°43	12°16	18° 5	6°44	2°40	12°12	12°40	17°44	18°59	14° 6	1°11	F 23
S 24	2 10 59	0♏59'50	10♎24	14°13	25°58	12°52	17°58	6°43	2°41	12°14	12°39	17°36	18°56	14°13	1°10	S 24
S 25	2 14 56	1°59'52	24°30	15°41	26°15	13°29	17°50	6°42	2°42	12°17	12°38	17°28	18°53	14°20	1° 9	S 25
M26	2 18 52	2°59'56	8♏21	17°11	26°34	14° 5	17°42	6°42	2°43	12°19	12°37	17°22	18°50	14°26	1° 8	M26
T 27	2 22 49	4° 0'02	21°52	18°42	26°55	14°41	17°35	6°41	2°43	12°21	12°36	17°17	18°47	14°33	1° 7	T 27
W28	2 26 45	5° 0'10	5♐ 1	20°15	27°18	15°17	17°27	6°40	2°44	12°23	12°35	17°14	18°44	14°40	1° 6	W28
T 29	2 30 42	6° 0'19	17°49	21°50	27°42	15°53	17°19	6°39	2°45	12°25	12°34	17°D14	18°40	14°46	1° 5	T 29
F 30	2 34 38	7° 0'30	0♑17	23°25	28° 8	16°29	17°11	6°37	2°45	12°27	12°33	17°14	18°37	14°53	1° 5	F 30
S 31	2 38 35	8♏ 0'43	12♑29	25♎ 1	28♍36	17♍ 5	17♉ 3	6♋36	2♌46	12♎29	12♉31	17♐16	18♐34	15♒ 0	1♓ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s14	22s49	0s49	6s52	2s29	7s 5	7s44	13n 8	1n19	16n38	1s16	22n27	0s53	20n16	0n33	3s 4	1n34	0n52	15s37	23s 4	23s 7	13s27	5s25	5n49
F 2	3 38	23 0	0n17	6 9	2 12	6 43	7 35	12 55	1 19	16 36	1 16	22 27	0 53	20 15	0 33	3 5	1 34	0 51	15 37	23 4	23 7	13 25	5 26	5 49
S 3	4 1	22 4	1 21	5 24	1 53	6 21	7 25	12 42	1 19	16 35	1 16	22 27	0 53	20 15	0 33	3 6	1 34	0 51	15 38	23 4	23 7	13 22	5 27	5 49
S 4	4 24	20 8	2 20	4 38	1 33	5 59	7 14	12 30	1 20	16 34	1 17	22 27	0 53	20 15	0 33	3 7	1 34	0 50	15 38	23 4	23 7	13 20	5 28	5 48
M 5	4 48	17 22	3 13	3 54	1 13	5 37	7 3	12 17	1 20	16 32	1 17	22 27	0 53	20 14	0 33	3 8	1 34	0 50	15 38	23 3	23 6	13 18	5 29	5 48
T 6	5 11	13 53	3 57	3 11	0 52	5 16	6 51	12 4	1 20	16 31	1 17	22 27	0 53	20 14	0 33	3 9	1 34	0 50	15 38	23 3	23 6	13 15	5 30	5 48
W 7	5 34	9 52	4 31	2 32	0 32	4 55	6 39	11 51	1 21	16 30	1 17	22 27	0 53	20 13	0 34	3 10	1 34	0 49	15 38	23 3	23 6	13 13	5 31	5 47
T 8	5 57	5 26	4 53	1 56	0 12	4 34	6 26	11 38	1 21	16 28	1 17	22 27	0 53	20 13	0 34	3 10	1 34	0 49	15 38	23 2	23 6	13 11	5 32	5 47
F 9	6 20	0 44	5 3	1 26	0n 7	4 14	6 13	11 25	1 21	16 26	1 17	22 27	0 53	20 13	0 34	3 11	1 34	0 48	15 38	23 1	23 5	13 8	5 33	5 47
S 10	6 43	4n 3	4 59	1 0	0 25	3 55	6 0	11 12	1 22	16 25	1 17	22 27	0 53	20 12	0 34	3 12	1 34	0 48	15 39	23 0	23 5	13 6	5 34	5 47
S 11	7 6	8 46	4 40	0 40	0 42	3 36	5 46	10 58	1 22	16 23	1 17	22 27	0 53	20 12	0 34	3 13	1 34	0 48	15 39	22 59	23 5	13 3	5 35	5 46
M12	7 28	13 11	4 7	0 26	0 57	3 18	5 33	10 45	1 22	16 22	1 17	22 26	0 53	20 12	0 34	3 14	1 34	0 47	15 39	22 58	23 5	13 1	5 35	5 46
T 13	7 51	17 4	3 20	0 17	1 11	3 1	5 19	10 32	1 22	16 20	1 17	22 26	0 53	20 12	0 34	3 15	1 34	0 47	15 39	22 58	23 4	12 59	5 36	5 46
W14	8 13	20 9	2 23	0 15	1 23	2 45	5 5	10 19	1 23	16 18	1 17	22 26	0 53	20 11	0 34	3 16	1 34	0 46	15 39	22 57	23 4	12 56	5 37	5 45
T 15	8 36	22 10	1 16	0 17	1 34	2 30	4 51	10 5	1 23	16 16	1 17	22 26	0 53	20 11	0 34	3 16	1 34	0 46	15 39	22 57	23 4	12 54	5 38	5 45
F 16	8 58	22 56	0 4	0 25	1 42	2 16	4 37	9 52	1 23	16 14	1 17	22 26	0 53	20 11	0 34	3 17	1 34	0 46	15 39	22 57	23 4	12 52	5 39	5 45
S 17	9 20	22 20	1s 9	0 38	1 50	2 2	4 23	9 39	1 24	16 13	1 17	22 26	0 53	20 11	0 34	3 18	1 34	0 45	15 39	22 57	23 3	12 49	5 40	5 44
S 18	9 42	20 22	2 19	0 54	1 56	1 50	4 9	9 25	1 24	16 11	1 17	22 26	0 53	20 10	0 34	3 19	1 34	0 45	15 39	22 57	23 3	12 47	5 41	5 44
M19	10 4	17 9	3 21	1 15	2 0	1 39	3 56	9 12	1 24	16 9	1 17	22 26	0 53	20 10	0 34	3 20	1 34	0 45	15 39	22 57	23 3	12 45	5 41	5 44
T 20	10 26	12 54	4 12	1 39	2 4	1 29	3 42	8 58	1 25	16 7	1 17	22 26	0 53	20 10	0 34	3 21	1 34	0 44	15 39	22 57	23 3	12 42	5 42	5 43
W21	10 47	7 55	4 48	2 6	2 6	1 20	3 28	8 44	1 25	16 5	1 17	22 26	0 53	20 10	0 34	3 21	1 34	0 44	15 40	22 56	23 2	12 40	5 43	5 43
T 22	11 8	2 28	5 6	2 35	2 7	1 12	3 15	8 31	1 25	16 3	1 17	22 26	0 53	20 10	0 34	3 22	1 34	0 43	15 40	22 56	23 2	12 37	5 44	5 42
F 23	11 30	3s 6	5 4	3 7	2 7	1 5	3 2	8 17	1 26	16 1	1 17	22 26	0 53	20 9	0 34	3 23	1 34	0 43	15 40	22 55	23 2	12 35	5 44	5 42
S 24	11 51	8 28	4 44	3 41	2 6	0 59	2 49	8 4	1 26	15 59	1 17	22 26	0 53	20 9	0 34	3 24	1 34	0 43	15 40	22 55	23 2	12 33	5 45	5 42
S 25	12 12	13 20	4 6	4 16	2 5	0 54	2 37	7 50	1 26	15 57	1 17	22 26	0 53	20 9	0 34	3 25	1 34	0 42	15 40	22 54	23 1	12 30	5 46	5 41
M26	12 32	17 23	3 15	4 53	2 2	0 50	2 24	7 36	1 26	15 55	1 17	22 27	0 53	20 9	0 34	3 26	1 34	0 42	15 40	22 53	23 1	12 28	5 47	5 41
T 27	12 53	20 25	2 13	5 30	1 59	0 47	2 12	7 23	1 27	15 52	1 17	22 27	0 53	20 9	0 34	3 26	1 35	0 42	15 40	22 53	23 1	12 25	5 47	5 41
W28	13 13	22 15	1 6	6 8	1 56	0 45	2 0	7 9	1 27	15 50	1 17	22 27	0 53	20 9	0 34	3 27	1 35	0 41	15 40	22 52	23 1	12 23	5 48	5 40
T 29	13 33	22 53	0n 3	6 47	1 52	0 44	1 48	6 55	1 27	15 48	1 17	22 27	0 53	20 9	0 34	3 28	1 35	0 41	15 40	22 52	23 0	12 21	5 48	5 40
F 30	13 53	22 19	1 10	7 27	1 48	0 44	1 37	6 41	1 28	15 46	1 17	22 27	0 53	20 9	0 34	3 29	1 35	0 41	15 40	22 52	23 0	12 18	5 49	5 40
S 31	14s12	20s41	2n13	8s 6	1n43	0s45	1s26	6n28	1n28	15n44	1s17	22n27	0s53	20n 8	0n34	3s30	1n35	0n40	15s40	22s53	23s 0	12s16	5s50	5n39

Julian Day Number = 2313026.5, Delta T = 65.86 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'50, Lahiri = 18°33'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

NOVEMBER 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 42 31	9♏ 0'57	24♑30	26♎37	29♍ 6	17♍41	16°R55	6°R35	2♌46	12♎31	12°R30	17♐18	18♐31	15♒ 7	1°R 3	S 1
M 2	2 46 28	10° 1'13	6♒23	28°14	29°37	18°17	16♉47	6♋33	2°46	12°33	12♉29	17°R18	18°28	15°13	1♓ 3	M 2
T 3	2 50 25	11° 1'30	18°14	29°51	0♎ 9	18°52	16°39	6°32	2°47	12°35	12°28	17°18	18°24	15°20	1° 2	T 3
W 4	2 54 21	12° 1'49	0♓ 8	1♏28	0°43	19°28	16°31	6°30	2°47	12°37	12°27	17°16	18°21	15°27	1° 2	W 4
T 5	2 58 18	13° 2'09	12° 9	3° 5	1°19	20° 4	16°23	6°28	2°47	12°39	12°26	17°13	18°18	15°33	1° 2	T 5
F 6	3 2 14	14° 2'30	24°22	4°42	1°56	20°40	16°14	6°26	2°47	12°41	12°25	17° 8	18°15	15°40	1° 1	F 6
S 7	3 6 11	15° 2'53	6♈50	6°19	2°34	21°15	16° 6	6°24	2°47	12°43	12°24	17° 3	18°12	15°47	1° 1	S 7
S 8	3 10 7	16° 3'18	19°36	7°56	3°13	21°51	15°58	6°22	2°R47	12°45	12°22	16°58	18° 9	15°53	1° 1	S 8
M 9	3 14 4	17° 3'44	2♉38	9°33	3°54	22°26	15°50	6°19	2°47	12°47	12°21	16°52	18° 5	16° 0	1° 1	M 9
T 10	3 18 0	18° 4'12	15°59	11° 9	4°35	23° 2	15°42	6°17	2°47	12°49	12°20	16°49	18° 2	16° 7	1° 1	T 10
W11	3 21 57	19° 4'41	29°34	12°46	5°18	23°37	15°34	6°15	2°47	12°51	12°19	16°46	17°59	16°14	1°D 1	W11
T 12	3 25 54	20° 5'12	13♊24	14°22	6° 2	24°13	15°25	6°12	2°47	12°53	12°18	16°D45	17°56	16°20	1° 1	T 12
F 13	3 29 50	21° 5'45	27°23	15°58	6°47	24°48	15°17	6° 9	2°46	12°55	12°17	16°45	17°53	16°27	1° 1	F 13
S 14	3 33 47	22° 6'19	11♋29	17°34	7°33	25°23	15° 9	6° 7	2°46	12°57	12°16	16°46	17°49	16°34	1° 1	S 14
S 15	3 37 43	23° 6'55	25°39	19°10	8°20	25°58	15° 1	6° 4	2°46	12°58	12°15	16°48	17°46	16°40	1° 1	S 15
M16	3 41 40	24° 7'33	9♌51	20°45	9° 8	26°34	14°53	6° 1	2°45	13° 0	12°14	16°49	17°43	16°47	1° 1	M16
T 17	3 45 36	25° 8'12	24° 3	22°20	9°57	27° 9	14°45	5°58	2°45	13° 2	12°12	16°R50	17°40	16°54	1° 2	T 17
W18	3 49 33	26° 8'54	8♍11	23°55	10°47	27°44	14°38	5°55	2°44	13° 4	12°11	16°49	17°37	17° 0	1° 2	W18
T 19	3 53 29	27° 9'36	22°16	25°30	11°37	28°19	14°30	5°51	2°44	13° 6	12°10	16°48	17°34	17° 7	1° 3	T 19
F 20	3 57 26	28°10'21	6♎13	27° 5	12°28	28°54	14°22	5°48	2°43	13° 7	12° 9	16°46	17°30	17°14	1° 3	F 20
S 21	4 1 23	29°11'07	20° 2	28°40	13°21	29°29	14°14	5°45	2°42	13° 9	12° 8	16°43	17°27	17°21	1° 4	S 21
S 22	4 5 19	0♐11'55	3♏39	0♐14	14°13	0♎ 3	14° 7	5°41	2°42	13°11	12° 7	16°41	17°24	17°27	1° 4	S 22
M23	4 9 16	1°12'44	17° 4	1°49	15° 7	0°38	13°59	5°38	2°41	13°12	12° 6	16°39	17°21	17°34	1° 5	M23
T 24	4 13 12	2°13'34	0♐13	3°23	16° 1	1°13	13°52	5°34	2°40	13°14	12° 5	16°37	17°18	17°41	1° 6	T 24
W25	4 17 9	3°14'26	13° 7	4°57	16°56	1°48	13°45	5°30	2°39	13°15	12° 4	16°D37	17°15	17°47	1° 7	W25
T 26	4 21 5	4°15'19	25°45	6°31	17°51	2°22	13°37	5°26	2°38	13°17	12° 3	16°37	17°11	17°54	1° 8	T 26
F 27	4 25 2	5°16'12	8♑ 8	8° 5	18°47	2°57	13°30	5°23	2°37	13°19	12° 2	16°38	17° 8	18° 1	1° 8	F 27
S 28	4 28 58	6°17'07	20°18	9°39	19°44	3°31	13°23	5°19	2°36	13°20	12° 1	16°39	17° 5	18° 8	1°10	S 28
S 29	4 32 55	7°18'03	2♒18	11°13	20°41	4° 6	13°16	5°15	2°35	13°22	12° 0	16°40	17° 2	18°14	1°11	S 29
M30	4 36 52	8♐18'59	14♒11	12♐47	21♎39	4♎40	13♉10	5♋10	2♌34	13♎23	11♉59	16♐41	16♐59	18♒21	1♓12	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s32	18s10	3n 9	8s46	1n38	0s47	1s15	6n14	1n28	15n42	1s17	22n27	0s53	20n 8	0n34	3s30	1n35	0n40	15s40	22s53	22s59	12s13	5s50	5n39
M 2	14 51	14 54	3 56	9 26	1 32	0 50	1 4	6 0	1 29	15 39	1 17	22 27	0 53	20 8	0 35	3 31	1 35	0 40	15 40	22 53	22 59	12 11	5 51	5 38
T 3	15 10	11 4	4 33	10 5	1 26	0 53	0 54	5 46	1 29	15 37	1 17	22 27	0 53	20 8	0 35	3 32	1 35	0 39	15 40	22 53	22 59	12 9	5 51	5 38
W 4	15 29	6 48	4 58	10 45	1 21	0 57	0 44	5 33	1 29	15 35	1 17	22 27	0 53	20 8	0 35	3 33	1 35	0 39	15 40	22 53	22 59	12 6	5 52	5 38
T 5	15 47	2 14	5 11	11 24	1 14	1 2	0 34	5 19	1 29	15 33	1 17	22 27	0 53	20 8	0 35	3 33	1 35	0 39	15 40	22 52	22 58	12 4	5 52	5 37
F 6	16 5	2n30	5 9	12 3	1 8	1 8	0 24	5 5	1 30	15 30	1 17	22 27	0 53	20 8	0 35	3 34	1 35	0 39	15 40	22 52	22 58	12 1	5 53	5 37
S 7	16 23	7 13	4 54	12 41	1 2	1 15	0 15	4 51	1 30	15 28	1 17	22 28	0 52	20 8	0 35	3 35	1 35	0 38	15 40	22 51	22 58	11 59	5 53	5 37
S 8	16 41	11 44	4 23	13 19	0 55	1 22	0 6	4 37	1 30	15 26	1 16	22 28	0 52	20 8	0 35	3 36	1 35	0 38	15 40	22 51	22 57	11 57	5 54	5 36
M 9	16 58	15 50	3 38	13 56	0 48	1 30	0n 3	4 24	1 31	15 24	1 16	22 28	0 52	20 8	0 35	3 36	1 35	0 38	15 40	22 50	22 57	11 54	5 54	5 36
T 10	17 15	19 13	2 41	14 33	0 42	1 39	0 12	4 10	1 31	15 21	1 16	22 28	0 52	20 9	0 35	3 37	1 35	0 37	15 40	22 50	22 57	11 52	5 54	5 35
W11	17 32	21 37	1 33	15 9	0 35	1 48	0 20	3 56	1 31	15 19	1 16	22 28	0 52	20 9	0 35	3 38	1 35	0 37	15 40	22 50	22 57	11 49	5 55	5 35
T 12	17 48	22 45	0 18	15 44	0 28	1 59	0 28	3 42	1 31	15 17	1 16	22 28	0 52	20 9	0 35	3 38	1 35	0 37	15 39	22 50	22 56	11 47	5 55	5 35
F 13	18 4	22 30	0s58	16 19	0 21	2 9	0 36	3 28	1 32	15 15	1 16	22 28	0 52	20 9	0 35	3 39	1 35	0 37	15 39	22 50	22 56	11 45	5 55	5 34
S 14	18 20	20 48	2 12	16 52	0 15	2 21	0 43	3 15	1 32	15 12	1 16	22 29	0 52	20 9	0 35	3 40	1 35	0 36	15 39	22 50	22 56	11 42	5 56	5 34
S 15	18 35	17 49	3 18	17 25	0 8	2 32	0 50	3 1	1 32	15 10	1 16	22 29	0 52	20 9	0 35	3 40	1 35	0 36	15 39	22 50	22 55	11 40	5 56	5 33
M16	18 50	13 46	4 12	17 58	0 1	2 45	0 57	2 47	1 32	15 8	1 15	22 29	0 52	20 9	0 35	3 41	1 35	0 36	15 39	22 50	22 55	11 37	5 56	5 33
T 17	19 5	8 58	4 51	18 29	0s 6	2 58	1 4	2 33	1 33	15 6	1 15	22 29	0 52	20 9	0 35	3 42	1 35	0 36	15 39	22 50	22 55	11 35	5 57	5 33
W18	19 20	3 42	5 12	18 59	0 12	3 11	1 11	2 20	1 33	15 4	1 15	22 29	0 52	20 9	0 35	3 42	1 35	0 36	15 39	22 50	22 55	11 33	5 57	5 32
T 19	19 34	1s44	5 14	19 29	0 19	3 25	1 17	2 6	1 33	15 2	1 15	22 29	0 52	20 10	0 35	3 43	1 35	0 35	15 39	22 50	22 54	11 30	5 57	5 32
F 20	19 48	7 1	4 57	19 58	0 25	3 40	1 23	1 52	1 34	14 59	1 15	22 30	0 52	20 10	0 35	3 44	1 35	0 35	15 39	22 50	22 54	11 28	5 57	5 31
S 21	20 1	11 55	4 24	20 25	0 32	3 55	1 29	1 39	1 34	14 57	1 15	22 30	0 52	20 10	0 35	3 44	1 35	0 35	15 39	22 49	22 54	11 25	5 57	5 31
S 22	20 14	16 8	3 36	20 52	0 38	4 10	1 35	1 25	1 34	14 55	1 14	22 30	0 52	20 10	0 35	3 45	1 35	0 35	15 38	22 49	22 53	11 23	5 57	5 31
M23	20 27	19 28	2 36	21 18	0 45	4 26	1 40	1 11	1 34	14 53	1 14	22 30	0 52	20 10	0 35	3 45	1 35	0 35	15 38	22 49	22 53	11 20	5 58	5 30
T 24	20 39	21 42	1 29	21 42	0 51	4 42	1 45	0 58	1 35	14 51	1 14	22 30	0 52	20 11	0 35	3 46	1 35	0 34	15 38	22 49	22 53	11 18	5 58	5 30
W25	20 51	22 44	0 19	22 6	0 57	4 58	1 50	0 44	1 35	14 49	1 14	22 31	0 52	20 11	0 35	3 47	1 36	0 34	15 38	22 49	22 52	11 16	5 58	5 30
T 26	21 2	22 35	0n50	22 28	1 3	5 15	1 55	0 31	1 35	14 47	1 14	22 31	0 52	20 11	0 35	3 47	1 36	0 34	15 38	22 49	22 52	11 13	5 58	5 29
F 27	21 13	21 18	1 56	22 50	1 8	5 32	2 0	0 17	1 35	14 45	1 13	22 31	0 52	20 11	0 35	3 48	1 36	0 34	15 38	22 49	22 52	11 11	5 58	5 29
S 28	21 24	19 3	2 56	23 10	1 14	5 49	2 4	0 4	1 36	14 44	1 13	22 31	0 52	20 12	0 35	3 48	1 36	0 34	15 38	22 49	22 52	11 8	5 58	5 28
S 29	21 34	16 0	3 47	23 29	1 19	6 7	2 8	0s10	1 36	14 42	1 13	22 31	0 52	20 12	0 36	3 49	1 36	0 34	15 37	22 49	22 51	11 6	5 58	5 28
M30	21s44	12s20	4n28	23s47	1s25	6s25	2n12	0s23	1n36	14n40	1s13	22n32	0s52	20n12	0n36	3s49	1n36	0n34	15s37	22s49	22s51	11s 3	5s58	5n28

Julian Day Number = 2313057.5, Delta T = 65.78 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'54, Lahiri = 18°33'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1620
geocentric

DECEMBER 1620 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 40 48	9♐19'56	26♒ 2	14♐21	22♎37	5♎14	13°R 3	5°R 6	2°R32	13♎25	11°R58	16♐41	16♐55	18♒28	1♓13	T 1
W 2	4 44 45	10°20'54	7♓55	15°56	23°36	5°48	12♉57	5♋ 2	2♌31	13°26	11♉57	16°R41	16°52	18°34	1°14	W 2
T 3	4 48 41	11°21'53	19°56	17°30	24°35	6°22	12°50	4°58	2°30	13°27	11°56	16°41	16°49	18°41	1°15	T 3
F 4	4 52 38	12°22'52	2♈ 7	19° 4	25°35	6°56	12°44	4°53	2°28	13°29	11°55	16°41	16°46	18°48	1°17	F 4
S 5	4 56 34	13°23'52	14°35	20°38	26°35	7°30	12°38	4°49	2°27	13°30	11°54	16°41	16°43	18°54	1°18	S 5
S 6	5 0 31	14°24'52	27°22	22°12	27°36	8° 4	12°32	4°45	2°26	13°31	11°53	16°40	16°40	19° 1	1°20	S 6
M 7	5 4 27	15°25'53	10♉32	23°46	28°37	8°38	12°27	4°40	2°24	13°33	11°52	16°40	16°36	19° 8	1°21	M 7
T 8	5 8 24	16°26'55	24° 4	25°20	29°38	9°12	12°21	4°35	2°23	13°34	11°51	16°D40	16°33	19°15	1°23	T 8
W 9	5 12 21	17°27'57	7♊58	26°55	0♏40	9°45	12°16	4°31	2°21	13°35	11°50	16°40	16°30	19°21	1°24	W 9
T 10	5 16 17	18°29'00	22°11	28°29	1°42	10°19	12°11	4°26	2°19	13°36	11°49	16°R40	16°27	19°28	1°26	T 10
F 11	5 20 14	19°30'04	6♋39	0♑ 3	2°45	10°53	12° 6	4°22	2°18	13°37	11°49	16°40	16°24	19°35	1°28	F 11
S 12	5 24 10	20°31'09	21°15	1°38	3°48	11°26	12° 1	4°17	2°16	13°39	11°48	16°40	16°21	19°41	1°30	S 12
S 13	5 28 7	21°32'14	5♌53	3°12	4°51	11°59	11°56	4°12	2°14	13°40	11°47	16°39	16°17	19°48	1°32	S 13
M14	5 32 3	22°33'20	20°28	4°46	5°55	12°33	11°51	4° 7	2°12	13°41	11°46	16°39	16°14	19°55	1°33	M14
T 15	5 36 0	23°34'26	4♍54	6°20	6°59	13° 6	11°47	4° 2	2°11	13°42	11°45	16°38	16°11	20° 2	1°35	T 15
W16	5 39 56	24°35'34	19° 7	7°54	8° 4	13°39	11°43	3°58	2° 9	13°43	11°44	16°D38	16° 8	20° 8	1°37	W16
T 17	5 43 53	25°36'42	3♎ 5	9°27	9° 8	14°12	11°39	3°53	2° 7	13°44	11°44	16°38	16° 5	20°15	1°40	T 17
F 18	5 47 50	26°37'51	16°48	11° 0	10°13	14°45	11°35	3°48	2° 5	13°45	11°43	16°38	16° 1	20°22	1°42	F 18
S 19	5 51 46	27°39'00	0♏15	12°33	11°18	15°18	11°32	3°43	2° 3	13°46	11°42	16°39	15°58	20°28	1°44	S 19
S 20	5 55 43	28°40'10	13°28	14° 5	12°24	15°50	11°28	3°38	2° 1	13°47	11°41	16°40	15°55	20°35	1°46	S 20
M21	5 59 39	29°41'21	26°27	15°37	13°30	16°23	11°25	3°33	1°59	13°47	11°41	16°41	15°52	20°42	1°48	M21
T 22	6 3 36	0♑42'32	9♐13	17° 7	14°36	16°56	11°22	3°28	1°57	13°48	11°40	16°42	15°49	20°49	1°51	T 22
W23	6 7 32	1°43'44	21°47	18°36	15°42	17°28	11°19	3°23	1°55	13°49	11°39	16°R42	15°46	20°55	1°53	W23
T 24	6 11 29	2°44'56	4♑10	20° 4	16°48	18° 0	11°17	3°18	1°52	13°50	11°39	16°41	15°42	21° 2	1°55	T 24
F 25	6 15 26	3°46'07	16°23	21°30	17°55	18°33	11°14	3°13	1°50	13°51	11°38	16°40	15°39	21° 9	1°58	F 25
S 26	6 19 22	4°47'19	28°27	22°54	19° 2	19° 5	11°12	3° 8	1°48	13°51	11°37	16°37	15°36	21°15	2° 0	S 26
S 27	6 23 19	5°48'31	10♒24	24°15	20° 9	19°37	11°10	3° 3	1°46	13°52	11°37	16°34	15°33	21°22	2° 3	S 27
M28	6 27 15	6°49'43	22°17	25°34	21°17	20° 9	11° 9	2°58	1°43	13°52	11°36	16°30	15°30	21°29	2° 6	M28
T 29	6 31 12	7°50'54	4♓ 7	26°49	22°24	20°40	11° 7	2°53	1°41	13°53	11°36	16°27	15°27	21°35	2° 8	T 29
W30	6 35 8	8°52'05	15°59	28° 0	23°32	21°12	11° 6	2°48	1°39	13°54	11°35	16°24	15°23	21°42	2°11	W30
T 31	6 39 5	9♑53'16	27♓57	29♑ 7	24♏40	21♎44	11♉ 5	2♋44	1♌36	13♎54	11♉35	16♐23	15♐20	21♒49	2♓14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s54	8 s12	4n57	24 s 3	1 s30	6 s43	2n16	0 s36	1n36	14n38	1 s13	22n32	0 s52	20n13	0n36	3 s50	1n36	0n33	15 s37	22 s49	22 s51	11 s 1	5 s58	5n27
W 2	22 3	3 46	5 14	24 18	1 34	7 1	2 19	0 50	1 37	14 36	1 12	22 32	0 52	20 13	0 36	3 50	1 36	0 33	15 37	22 49	22 50	10 59	5 58	5 27
T 3	22 11	0n52	5 17	24 33	1 39	7 20	2 23	1 3	1 37	14 35	1 12	22 32	0 51	20 13	0 36	3 51	1 36	0 33	15 37	22 49	22 50	10 56	5 58	5 27
F 4	22 19	5 31	5 6	24 45	1 43	7 39	2 26	1 16	1 37	14 33	1 12	22 32	0 51	20 14	0 36	3 51	1 36	0 33	15 37	22 49	22 50	10 54	5 57	5 26
S 5	22 27	10 4	4 41	24 57	1 48	7 58	2 29	1 30	1 37	14 31	1 12	22 33	0 51	20 14	0 36	3 52	1 36	0 33	15 36	22 49	22 49	10 51	5 57	5 26
S 6	22 35	14 18	4 1	25 7	1 52	8 17	2 32	1 43	1 38	14 30	1 11	22 33	0 51	20 14	0 36	3 52	1 36	0 33	15 36	22 49	22 49	10 49	5 57	5 25
M 7	22 41	17 58	3 8	25 15	1 55	8 36	2 34	1 56	1 38	14 28	1 11	22 33	0 51	20 15	0 36	3 53	1 36	0 33	15 36	22 49	22 49	10 46	5 57	5 25
T 8	22 48	20 48	2 2	25 23	1 59	8 55	2 37	2 9	1 38	14 27	1 11	22 33	0 51	20 15	0 36	3 53	1 36	0 33	15 36	22 49	22 48	10 44	5 57	5 25
W 9	22 54	22 28	0 48	25 29	2 2	9 15	2 39	2 22	1 38	14 26	1 11	22 34	0 51	20 15	0 36	3 54	1 36	0 33	15 36	22 49	22 48	10 42	5 56	5 24
T 10	22 59	22 45	0 s31	25 33	2 4	9 34	2 41	2 35	1 39	14 24	1 10	22 34	0 51	20 16	0 36	3 54	1 36	0 33	15 35	22 49	22 48	10 39	5 56	5 24
F 11	23 4	21 31	1 49	25 36	2 7	9 54	2 43	2 48	1 39	14 23	1 10	22 34	0 51	20 16	0 36	3 54	1 36	0 33	15 35	22 49	22 47	10 37	5 56	5 24
S 12	23 9	18 50	3 0	25 37	2 9	10 14	2 45	3 1	1 39	14 22	1 10	22 34	0 51	20 17	0 36	3 55	1 36	0 33	15 35	22 49	22 47	10 34	5 56	5 23
S 13	23 13	14 57	4 1	25 37	2 11	10 33	2 46	3 13	1 39	14 21	1 10	22 35	0 51	20 17	0 36	3 55	1 36	0 33	15 35	22 49	22 47	10 32	5 55	5 23
M14	23 17	10 11	4 45	25 36	2 12	10 53	2 48	3 26	1 40	14 19	1 9	22 35	0 51	20 18	0 36	3 56	1 37	0 33	15 34	22 49	22 46	10 29	5 55	5 23
T 15	23 20	4 55	5 11	25 33	2 13	11 13	2 49	3 39	1 40	14 18	1 9	22 35	0 51	20 18	0 36	3 56	1 37	0 33	15 34	22 49	22 46	10 27	5 55	5 22
W16	23 23	0 s33	5 17	25 28	2 13	11 33	2 50	3 52	1 40	14 17	1 9	22 35	0 50	20 18	0 36	3 56	1 37	0 33	15 34	22 49	22 46	10 24	5 54	5 22
T 17	23 25	5 53	5 4	25 22	2 13	11 52	2 51	4 4	1 40	14 16	1 8	22 35	0 50	20 19	0 36	3 57	1 37	0 33	15 34	22 49	22 46	10 22	5 54	5 22
F 18	23 27	10 50	4 34	25 14	2 12	12 12	2 52	4 17	1 41	14 16	1 8	22 36	0 50	20 19	0 36	3 57	1 37	0 33	15 33	22 49	22 45	10 19	5 53	5 21
S 19	23 28	15 10	3 50	25 4	2 11	12 31	2 52	4 29	1 41	14 15	1 8	22 36	0 50	20 20	0 36	3 57	1 37	0 33	15 33	22 49	22 45	10 17	5 53	5 21
S 20	23 29	18 41	2 54	24 53	2 10	12 51	2 53	4 42	1 41	14 14	1 8	22 36	0 50	20 20	0 36	3 58	1 37	0 33	15 33	22 49	22 45	10 15	5 52	5 20
M21	23 29	21 11	1 50	24 41	2 7	13 10	2 53	4 54	1 41	14 13	1 7	22 36	0 50	20 21	0 36	3 58	1 37	0 33	15 33	22 49	22 44	10 12	5 52	5 20
T 22	23 29	22 33	0 41	24 27	2 5	13 29	2 53	5 6	1 41	14 13	1 7	22 37	0 50	20 21	0 36	3 58	1 37	0 33	15 32	22 49	22 44	10 10	5 51	5 20
W23	23 29	22 46	0n28	24 11	2 1	13 48	2 53	5 18	1 42	14 12	1 7	22 37	0 50	20 22	0 36	3 58	1 37	0 33	15 32	22 49	22 43	10 7	5 51	5 20
T 24	23 28	21 50	1 35	23 54	1 57	14 7	2 53	5 30	1 42	14 11	1 6	22 37	0 50	20 22	0 36	3 59	1 37	0 33	15 32	22 49	22 43	10 5	5 50	5 19
F 25	23 26	19 53	2 37	23 36	1 52	14 26	2 53	5 43	1 42	14 11	1 6	22 37	0 50	20 23	0 36	3 59	1 37	0 33	15 32	22 49	22 43	10 2	5 50	5 19
S 26	23 24	17 5	3 30	23 16	1 46	14 45	2 53	5 54	1 42	14 11	1 6	22 38	0 50	20 23	0 36	3 59	1 37	0 33	15 31	22 49	22 42	10 0	5 49	5 19
S 27	23 22	13 35	4 14	22 56	1 39	15 3	2 52	6 6	1 42	14 10	1 6	22 38	0 49	20 24	0 36	3 59	1 37	0 33	15 31	22 48	22 42	9 57	5 49	5 18
M28	23 19	9 35	4 47	22 34	1 31	15 21	2 52	6 18	1 43	14 10	1 5	22 38	0 49	20 24	0 36	3 59	1 37	0 33	15 31	22 48	22 42	9 55	5 48	5 18
T 29	23 15	5 15	5 7	22 11	1 23	15 39	2 51	6 30	1 43	14 10	1 5	22 38	0 49	20 25	0 36	4 0	1 37	0 33	15 30	22 48	22 41	9 52	5 47	5 18
W30	23 11	0 42	5 15	21 48	1 13	15 57	2 50	6 42	1 43	14 10	1 5	22 38	0 49	20 26	0 36	4 0	1 37	0 34	15 30	22 48	22 41	9 50	5 47	5 17
T 31	23 s 7	3n54	5n 8	21 s24	1 s 2	16 s14	2n49	6 s53	1n43	14n10	1 s 4	22n39	0 s49	20n26	0n36	4 s 0	1n38	0n34	15 s30	22 s47	22 s41	9 s48	5 s46	5n17

Julian Day Number = 2313087.5, Delta T = 65.71 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°26'58, Lahiri = 18°33'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

JANUARY 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 43 1	10♑54'26	10♈ 5	0♒ 8	25♏48	22♎15	11°R 4	2°R39	1°R34	13♎55	11°R34	16°D22	15♐17	21♒56	2♓16	F 1
S 2	6 46 58	11°55'36	22°27	1° 2	26°56	22°46	11♉ 3	2♋34	1♌32	13°55	11♉34	16♐22	15°14	22° 2	2°19	S 2
S 3	6 50 55	12°56'46	5♉ 9	1°50	28° 5	23°18	11° 2	2°29	1°29	13°55	11°33	16°24	15°11	22° 9	2°22	S 3
M 4	6 54 51	13°57'55	18°14	2°29	29°13	23°49	11° 2	2°24	1°27	13°56	11°33	16°25	15° 7	22°16	2°25	M 4
T 5	6 58 48	14°59'03	1♊45	3° 0	0♐22	24°19	11°D 2	2°19	1°24	13°56	11°32	16°27	15° 4	22°22	2°28	T 5
W 6	7 2 44	16° 0'11	15°44	3°21	1°31	24°50	11° 2	2°15	1°22	13°57	11°32	16°R27	15° 1	22°29	2°31	W 6
T 7	7 6 41	17° 1'19	0♋ 8	3°R31	2°40	25°21	11° 3	2°10	1°19	13°57	11°31	16°27	14°58	22°36	2°34	T 7
F 8	7 10 37	18° 2'26	14°55	3°30	3°49	25°52	11° 3	2° 5	1°17	13°57	11°31	16°25	14°55	22°43	2°37	F 8
S 9	7 14 34	19° 3'32	29°55	3°17	4°59	26°22	11° 4	2° 0	1°14	13°57	11°31	16°21	14°52	22°49	2°40	S 9
S 10	7 18 30	20° 4'38	15♌ 1	2°53	6° 8	26°52	11° 5	1°56	1°12	13°57	11°30	16°16	14°48	22°56	2°43	S 10
M11	7 22 27	21° 5'44	0♍ 3	2°17	7°18	27°22	11° 6	1°51	1° 9	13°58	11°30	16°11	14°45	23° 3	2°46	M11
T 12	7 26 24	22° 6'49	14°52	1°30	8°27	27°52	11° 7	1°47	1° 7	13°58	11°30	16° 6	14°42	23° 9	2°50	T 12
W13	7 30 20	23° 7'54	29°22	0°33	9°37	28°22	11° 9	1°42	1° 4	13°58	11°30	16° 2	14°39	23°16	2°53	W13
T 14	7 34 17	24° 8'58	13♎28	29♑28	10°47	28°52	11°11	1°38	1° 1	13°58	11°29	16° 0	14°36	23°23	2°56	T 14
F 15	7 38 13	25°10'03	27°11	28°17	11°58	29°21	11°13	1°34	0°59	13°R58	11°29	15°D59	14°33	23°30	2°59	F 15
S 16	7 42 10	26°11'06	10♏30	27° 2	13° 8	29°51	11°15	1°29	0°56	13°58	11°29	16° 0	14°29	23°36	3° 3	S 16
S 17	7 46 6	27°12'10	23°29	25°45	14°18	0♏20	11°17	1°25	0°54	13°58	11°29	16° 1	14°26	23°43	3° 6	S 17
M18	7 50 3	28°13'13	6♐11	24°28	15°29	0°49	11°20	1°21	0°51	13°58	11°28	16° 3	14°23	23°50	3°10	M18
T 19	7 53 59	29°14'15	18°39	23°15	16°39	1°18	11°22	1°17	0°48	13°57	11°28	16°R 3	14°20	23°56	3°13	T 19
W20	7 57 56	0♒15'17	0♑56	22° 6	17°50	1°46	11°25	1°13	0°46	13°57	11°28	16° 2	14°17	24° 3	3°16	W20
T 21	8 1 53	1°16'18	13° 4	21° 3	19° 1	2°15	11°28	1° 9	0°43	13°57	11°28	15°58	14°13	24°10	3°20	T 21
F 22	8 5 49	2°17'18	25° 6	20° 7	20°12	2°43	11°32	1° 5	0°41	13°57	11°28	15°53	14°10	24°17	3°23	F 22
S 23	8 9 46	3°18'18	7♒ 3	19°20	21°22	3°11	11°35	1° 1	0°38	13°57	11°28	15°45	14° 7	24°23	3°27	S 23
S 24	8 13 42	4°19'16	18°57	18°42	22°33	3°39	11°39	0°57	0°35	13°56	11°28	15°35	14° 4	24°30	3°31	S 24
M25	8 17 39	5°20'13	0♓48	18°12	23°45	4° 7	11°43	0°54	0°33	13°56	11°D28	15°25	14° 1	24°37	3°34	M25
T 26	8 21 35	6°21'09	12°40	17°51	24°56	4°35	11°47	0°50	0°30	13°56	11°28	15°15	13°58	24°43	3°38	T 26
W27	8 25 32	7°22'03	24°33	17°38	26° 7	5° 2	11°51	0°47	0°27	13°55	11°28	15° 6	13°54	24°50	3°41	W27
T 28	8 29 28	8°22'57	6♈31	17°D34	27°18	5°29	11°56	0°43	0°25	13°55	11°28	14°59	13°51	24°57	3°45	T 28
F 29	8 33 25	9°23'49	18°37	17°37	28°30	5°56	12° 1	0°40	0°22	13°54	11°28	14°54	13°48	25° 4	3°49	F 29
S 30	8 37 22	10°24'40	0♉55	17°47	29°41	6°23	12° 5	0°37	0°20	13°54	11°28	14°51	13°45	25°10	3°52	S 30
S 31	8 41 18	11♒25'29	13♉31	18♑ 4	0♑53	6♏49	12♉10	0♋34	0♌17	13♎53	11♉28	14°D51	13♐42	25♒17	3♓56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23s 2	8n25	4n48	20s59	0s51	16s31	2n48	7s 5	1n43	14n10	1s 4	22n39	0s49	20n27	0n36	4s 0	1n38	0n34	15s30	22s47	22s40	9s45	5s45	5n17	F 1
S 2	22 57	12 41	4 14	20 35	0 38	16 48	2 47	7 16	1 44	14 10	1 4	22 39	0 49	20 27	0 36	4 0	1 38	0 34	15 29	22 47	22 40	9 43	5 45	5 16	S 2
S 3	22 51	16 31	3 28	20 11	0 24	17 5	2 46	7 28	1 44	14 10	1 4	22 39	0 49	20 28	0 36	4 0	1 38	0 34	15 29	22 47	22 40	9 40	5 44	5 16	S 3
M 4	22 45	19 40	2 29	19 48	0 9	17 21	2 44	7 39	1 44	14 10	1 3	22 40	0 48	20 28	0 37	4 0	1 38	0 34	15 29	22 48	22 39	9 38	5 43	5 16	M 4
T 5	22 39	21 51	1 20	19 25	0n 7	17 37	2 43	7 50	1 44	14 10	1 3	22 40	0 48	20 29	0 37	4 0	1 38	0 34	15 28	22 48	22 39	9 35	5 42	5 16	T 5
W 6	22 32	22 47	0 4	19 4	0 24	17 52	2 41	8 1	1 44	14 11	1 3	22 40	0 48	20 29	0 37	4 0	1 38	0 35	15 28	22 48	22 39	9 33	5 41	5 15	W 6
T 7	22 24	22 15	1s14	18 44	0 41	18 8	2 39	8 12	1 45	14 11	1 2	22 40	0 48	20 30	0 37	4 0	1 38	0 35	15 28	22 48	22 38	9 30	5 41	5 15	T 7
F 8	22 16	20 11	2 29	18 27	1 0	18 23	2 38	8 23	1 45	14 11	1 2	22 40	0 48	20 31	0 37	4 1	1 38	0 35	15 27	22 48	22 38	9 28	5 40	5 15	F 8
S 9	22 8	16 42	3 35	18 11	1 18	18 37	2 36	8 34	1 45	14 12	1 2	22 41	0 48	20 31	0 37	4 1	1 38	0 35	15 27	22 47	22 38	9 25	5 39	5 15	S 9
S 10	21 59	12 7	4 27	17 59	1 37	18 51	2 34	8 45	1 45	14 13	1 1	22 41	0 48	20 32	0 37	4 1	1 38	0 35	15 27	22 47	22 37	9 23	5 38	5 14	S 10
M11	21 50	6 48	4 59	17 49	1 56	19 5	2 32	8 55	1 45	14 13	1 1	22 41	0 48	20 32	0 37	4 1	1 38	0 36	15 26	22 46	22 37	9 20	5 37	5 14	M11
T 12	21 40	1 11	5 11	17 42	2 14	19 18	2 30	9 6	1 45	14 14	1 1	22 41	0 47	20 33	0 37	4 1	1 38	0 36	15 26	22 46	22 37	9 18	5 36	5 14	T 12
W13	21 30	4s23	5 3	17 37	2 31	19 31	2 27	9 16	1 45	14 15	1 1	22 41	0 47	20 33	0 37	4 1	1 38	0 36	15 26	22 45	22 36	9 16	5 35	5 14	W13
T 14	21 20	9 34	4 36	17 36	2 46	19 43	2 25	9 27	1 46	14 15	1 0	22 42	0 47	20 34	0 37	4 0	1 38	0 36	15 25	22 45	22 36	9 13	5 34	5 13	T 14
F 15	21 9	14 8	3 55	17 36	3 0	19 55	2 23	9 37	1 46	14 16	1 0	22 42	0 47	20 35	0 37	4 0	1 38	0 37	15 25	22 45	22 35	9 11	5 33	5 13	F 15
S 16	20 57	17 52	3 1	17 40	3 12	20 6	2 20	9 47	1 46	14 17	1 0	22 42	0 47	20 35	0 37	4 0	1 38	0 37	15 25	22 45	22 35	9 8	5 32	5 13	S 16
S 17	20 46	20 37	1 59	17 45	3 21	20 17	2 18	9 57	1 46	14 18	0 59	22 42	0 47	20 36	0 37	4 0	1 39	0 37	15 24	22 45	22 35	9 6	5 32	5 13	S 17
M18	20 34	22 16	0 53	17 52	3 28	20 27	2 15	10 7	1 46	14 19	0 59	22 42	0 47	20 36	0 37	4 0	1 39	0 37	15 24	22 45	22 34	9 3	5 31	5 12	M18
T 19	20 21	22 46	0n14	18 0	3 32	20 37	2 12	10 17	1 46	14 20	0 59	22 43	0 46	20 37	0 37	4 0	1 39	0 38	15 24	22 45	22 34	9 1	5 30	5 12	T 19
W20	20 8	22 9	1 20	18 9	3 34	20 47	2 10	10 27	1 46	14 22	0 59	22 43	0 46	20 37	0 37	4 0	1 39	0 38	15 23	22 45	22 34	8 58	5 28	5 12	W20
T 21	19 55	20 31	2 21	18 19	3 33	20 55	2 7	10 37	1 47	14 23	0 58	22 43	0 46	20 38	0 37	4 0	1 39	0 38	15 23	22 45	22 33	8 56	5 27	5 12	T 21
F 22	19 41	17 58	3 15	18 30	3 31	21 4	2 4	10 46	1 47	14 24	0 58	22 43	0 46	20 39	0 37	4 0	1 39	0 39	15 23	22 44	22 33	8 53	5 26	5 11	F 22
S 23	19 27	14 41	4 0	18 41	3 26	21 12	2 1	10 56	1 47	14 26	0 58	22 43	0 46	20 39	0 37	4 0	1 39	0 39	15 22	22 43	22 32	8 51	5 25	5 11	S 23
S 24	19 13	10 50	4 34	18 52	3 20	21 19	1 58	11 5	1 47	14 27	0 57	22 43	0 46	20 40	0 37	3 59	1 39	0 39	15 22	22 42	22 32	8 48	5 24	5 11	S 24
M25	18 58	6 35	4 56	19 4	3 13	21 25	1 55	11 14	1 47	14 28	0 57	22 44	0 45	20 40	0 37	3 59	1 39	0 40	15 22	22 41	22 32	8 46	5 23	5 11	M25
T 26	18 43	2 7	5 6	19 15	3 4	21 31	1 52	11 24	1 47	14 30	0 57	22 44	0 45	20 41	0 37	3 59	1 39	0 40	15 21	22 40	22 31	8 43	5 22	5 11	T 26
W27	18 28	2n27	5 2	19 26	2 55	21 37	1 49	11 33	1 47	14 32	0 57	22 44	0 45	20 42	0 37	3 59	1 39	0 40	15 21	22 39	22 31	8 41	5 21	5 11	W27
T 28	18 12	6 57	4 45	19 37	2 45	21 42	1 46	11 42	1 47	14 33	0 56	22 44	0 45	20 42	0 37	3 59	1 39	0 41	15 21	22 38	22 31	8 38	5 20	5 10	T 28
F 29	17 56	11 14	4 15	19 47	2 34	21 46	1 43	11 50	1 47	14 35	0 56	22 44	0 45	20 43	0 37	3 58	1 39	0 41	15 20	22 38	22 30	8 36	5 19	5 10	F 29
S 30	17 40	15 8	3 33	19 56	2 23	21 50	1 39	11 59	1 47	14 37	0 56	22 45	0 45	20 43	0 37	3 58	1 39	0 41	15 20	22 38	22 30	8 33	5 17	5 10	S 30
S 31	17s23	18n28	2n40	20s 5	2n12	21s53	1n36	12s 8	1n47	14n38	0s55	22n45	0s44	20n44	0n37	3s58	1n39	0n42	15s20	22s38	22s29	8s31	5s16	5n10	S 31

Julian Day Number = 2313118.5, Delta T = 65.63 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'02, Lahiri = 18°34'03Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1621
geocentric

FEBRUARY 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 45 15	12♒26'16	26♉27	18♋27	2♋ 4	7♏15	12♉16	0°R31	0°R15	13°R53	11♉29	14♐52	13♐39	25♒24	4♓ 0	M 1
T 2	8 49 11	13°27'03	9♊49	18°56	3°16	7°41	12°21	0♋28	0♌12	13♎52	11°29	14°R52	13°35	25°30	4° 4	T 2
W 3	8 53 8	14°27'47	23°40	19°29	4°28	8° 7	12°27	0°25	0°10	13°51	11°29	14°52	13°32	25°37	4° 7	W 3
T 4	8 57 4	15°28'30	7♋59	20° 8	5°39	8°33	12°32	0°22	0° 7	13°51	11°29	14°50	13°29	25°44	4°11	T 4
F 5	9 1 1	16°29'12	22°46	20°51	6°51	8°58	12°38	0°19	0° 5	13°50	11°29	14°45	13°26	25°51	4°15	F 5
S 6	9 4 57	17°29'52	7♌54	21°38	8° 3	9°23	12°44	0°17	0° 2	13°49	11°30	14°38	13°23	25°57	4°19	S 6
S 7	9 8 54	18°30'30	23°14	22°28	9°15	9°48	12°50	0°14	29♋59	13°49	11°30	14°29	13°19	26° 4	4°23	S 7
M 8	9 12 51	19°31'07	8♍34	23°22	10°27	10°12	12°57	0°12	29°57	13°48	11°30	14°19	13°16	26°11	4°27	M 8
T 9	9 16 47	20°31'43	23°43	24°19	11°39	10°37	13° 3	0°10	29°55	13°47	11°31	14° 9	13°13	26°18	4°30	T 9
W10	9 20 44	21°32'17	8♎31	25°19	12°51	11° 1	13°10	0° 7	29°52	13°46	11°31	14° 1	13°10	26°24	4°34	W10
T 11	9 24 40	22°32'50	22°53	26°21	14° 3	11°25	13°17	0° 5	29°50	13°45	11°31	13°55	13° 7	26°31	4°38	T 11
F 12	9 28 37	23°33'22	6♏45	27°26	15°16	11°48	13°24	0° 3	29°48	13°44	11°32	13°52	13° 4	26°38	4°42	F 12
S 13	9 32 33	24°33'53	20° 9	28°33	16°28	12°11	13°31	0° 2	29°45	13°44	11°32	13°D50	13° 0	26°44	4°46	S 13
S 14	9 36 30	25°34'22	3♐ 7	29°42	17°40	12°34	13°39	29♊59	29°43	13°43	11°32	13°50	12°57	26°51	4°50	S 14
M15	9 40 26	26°34'50	15°43	0♒53	18°52	12°57	13°46	29°58	29°41	13°42	11°33	13°R51	12°54	26°58	4°54	M15
T 16	9 44 23	27°35'17	28° 3	2° 6	20° 5	13°19	13°54	29°57	29°39	13°41	11°33	13°50	12°51	27° 5	4°58	T 16
W17	9 48 20	28°35'42	10♋10	3°21	21°17	13°41	14° 1	29°55	29°36	13°40	11°34	13°47	12°48	27°11	5° 2	W17
T 18	9 52 16	29°36'06	22° 9	4°37	22°30	14° 2	14° 9	29°54	29°34	13°39	11°34	13°41	12°45	27°18	5° 6	T 18
F 19	9 56 13	0♓36'28	4♒ 4	5°55	23°42	14°24	14°17	29°53	29°32	13°37	11°35	13°32	12°41	27°25	5°10	F 19
S 20	10 0 9	1°36'48	15°55	7°15	24°55	14°44	14°26	29°52	29°30	13°36	11°35	13°21	12°38	27°31	5°13	S 20
S 21	10 4 6	2°37'07	27°47	8°36	26° 7	15° 5	14°34	29°51	29°28	13°35	11°36	13° 7	12°35	27°38	5°17	S 21
M22	10 8 2	3°37'24	9♓39	9°58	27°20	15°25	14°43	29°50	29°26	13°34	11°37	12°52	12°32	27°45	5°21	M22
T 23	10 11 59	4°37'40	21°34	11°22	28°32	15°45	14°51	29°49	29°24	13°33	11°37	12°38	12°29	27°52	5°25	T 23
W24	10 15 55	5°37'53	3♈32	12°47	29°45	16° 4	15° 0	29°48	29°22	13°32	11°38	12°24	12°25	27°58	5°29	W24
T 25	10 19 52	6°38'04	15°35	14°13	0♒58	16°23	15° 9	29°48	29°20	13°30	11°38	12°13	12°22	28° 5	5°33	T 25
F 26	10 23 49	7°38'14	27°46	15°40	2°10	16°42	15°18	29°47	29°18	13°29	11°39	12° 5	12°19	28°12	5°37	F 26
S 27	10 27 45	8°38'21	10♉ 7	17° 9	3°23	17° 0	15°27	29°47	29°16	13°28	11°40	12° 0	12°16	28°18	5°41	S 27
S 28	10 31 42	9♓38'27	22♉42	18♒39	4♒36	17♏18	15♉36	29♊47	29♋14	13♎27	11♉41	11♐58	12♐13	28♒25	5♓45	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s 6	20n58	1n37	20s14	2n 0	21s55	1n33	12s16	1n47	14n40	0s55	22n45	0s44	20n44	0n37	3s58	1n39	0n42	15s19	22s38	22s29	8s28	5s15	5n10
T 2	16 49	22 25	0 27	20 21	1 49	21 57	1 30	12 25	1 47	14 42	0 55	22 45	0 44	20 45	0 37	3 57	1 39	0 42	15 19	22 38	22 29	8 26	5 14	5 10
W 3	16 32	22 33	0s47	20 28	1 37	21 59	1 26	12 33	1 47	14 44	0 55	22 45	0 44	20 45	0 37	3 57	1 40	0 43	15 19	22 38	22 28	8 23	5 13	5 9
T 4	16 14	21 15	2 0	20 34	1 26	21 59	1 23	12 41	1 47	14 46	0 54	22 45	0 44	20 46	0 37	3 57	1 40	0 43	15 18	22 37	22 28	8 21	5 11	5 9
F 5	15 56	18 29	3 8	20 38	1 15	21 59	1 19	12 49	1 47	14 48	0 54	22 46	0 44	20 46	0 37	3 56	1 40	0 44	15 18	22 37	22 27	8 19	5 10	5 9
S 6	15 37	14 24	4 4	20 42	1 3	21 59	1 16	12 57	1 47	14 50	0 54	22 46	0 44	20 47	0 37	3 56	1 40	0 44	15 18	22 36	22 27	8 16	5 9	5 9
S 7	15 19	9 21	4 43	20 45	0 52	21 57	1 13	13 5	1 47	14 52	0 54	22 46	0 43	20 47	0 37	3 56	1 40	0 44	15 17	22 35	22 27	8 14	5 8	5 9
M 8	15 0	3 43	5 1	20 47	0 42	21 56	1 9	13 13	1 47	14 55	0 53	22 46	0 43	20 48	0 37	3 55	1 40	0 45	15 17	22 34	22 26	8 11	5 6	5 9
T 9	14 41	2s 4	4 59	20 47	0 31	21 53	1 6	13 20	1 47	14 57	0 53	22 46	0 43	20 48	0 37	3 55	1 40	0 45	15 17	22 33	22 26	8 9	5 5	5 9
W10	14 21	7 36	4 36	20 47	0 21	21 50	1 2	13 28	1 47	14 59	0 53	22 46	0 43	20 49	0 37	3 55	1 40	0 46	15 16	22 32	22 26	8 6	5 4	5 8
T 11	14 2	12 34	3 56	20 45	0 11	21 46	0 59	13 35	1 47	15 1	0 53	22 47	0 43	20 49	0 37	3 54	1 40	0 46	15 16	22 31	22 25	8 4	5 3	5 8
F 12	13 42	16 41	3 4	20 42	0 1	21 42	0 55	13 42	1 47	15 4	0 52	22 47	0 42	20 50	0 37	3 54	1 40	0 46	15 16	22 31	22 25	8 1	5 1	5 8
S 13	13 22	19 47	2 2	20 38	0s 8	21 37	0 52	13 49	1 47	15 6	0 52	22 47	0 42	20 50	0 37	3 53	1 40	0 47	15 15	22 30	22 24	7 59	5 0	5 8
S 14	13 1	21 45	0 57	20 32	0 17	21 31	0 48	13 56	1 47	15 9	0 52	22 47	0 42	20 51	0 37	3 53	1 40	0 47	15 15	22 30	22 24	7 56	4 59	5 8
M15	12 41	22 33	0n10	20 26	0 26	21 25	0 45	14 3	1 47	15 11	0 52	22 47	0 42	20 51	0 37	3 53	1 40	0 48	15 15	22 30	22 24	7 54	4 57	5 8
T 16	12 20	22 14	1 15	20 18	0 35	21 18	0 41	14 10	1 47	15 13	0 51	22 47	0 42	20 52	0 37	3 52	1 40	0 48	15 14	22 30	22 23	7 51	4 56	5 8
W17	11 59	20 52	2 15	20 9	0 43	21 11	0 38	14 17	1 47	15 16	0 51	22 48	0 42	20 52	0 37	3 52	1 40	0 49	15 14	22 30	22 23	7 49	4 55	5 8
T 18	11 38	18 34	3 8	19 58	0 51	21 2	0 34	14 23	1 47	15 19	0 51	22 48	0 41	20 53	0 37	3 51	1 40	0 49	15 14	22 29	22 22	7 46	4 53	5 8
F 19	11 17	15 31	3 52	19 46	0 58	20 54	0 31	14 29	1 47	15 21	0 51	22 48	0 41	20 53	0 37	3 51	1 40	0 50	15 13	22 28	22 22	7 44	4 52	5 8
S 20	10 55	11 51	4 27	19 33	1 6	20 44	0 28	14 36	1 47	15 24	0 50	22 48	0 41	20 54	0 37	3 50	1 40	0 50	15 13	22 27	22 21	7 41	4 51	5 7
S 21	10 34	7 45	4 49	19 19	1 13	20 34	0 24	14 42	1 46	15 27	0 50	22 48	0 41	20 54	0 37	3 50	1 40	0 50	15 13	22 25	22 21	7 39	4 49	5 7
M22	10 12	3 21	4 59	19 3	1 19	20 24	0 21	14 48	1 46	15 29	0 50	22 48	0 41	20 55	0 37	3 49	1 40	0 51	15 12	22 23	22 21	7 36	4 48	5 7
T 23	9 50	1n11	4 56	18 46	1 25	20 13	0 17	14 54	1 46	15 32	0 50	22 49	0 41	20 55	0 37	3 49	1 41	0 51	15 12	22 21	22 20	7 34	4 46	5 7
W24	9 28	5 41	4 40	18 28	1 31	20 1	0 14	15 0	1 46	15 35	0 49	22 49	0 40	20 55	0 37	3 48	1 41	0 52	15 12	22 20	22 20	7 31	4 45	5 7
T 25	9 6	10 0	4 11	18 8	1 37	19 49	0 11	15 5	1 46	15 38	0 49	22 49	0 40	20 56	0 37	3 48	1 41	0 52	15 11	22 18	22 19	7 29	4 44	5 7
F 26	8 43	13 58	3 31	17 47	1 42	19 36	0 7	15 11	1 45	15 41	0 49	22 49	0 40	20 56	0 37	3 47	1 41	0 53	15 11	22 17	22 19	7 26	4 42	5 7
S 27	8 21	17 24	2 40	17 25	1 47	19 22	0 4	15 16	1 45	15 43	0 49	22 49	0 40	20 56	0 37	3 47	1 41	0 53	15 11	22 17	22 19	7 24	4 41	5 7
S 28	7s58	20n 6	1n40	17s 2	1s51	19s 8	0n 1	15s21	1n45	15n46	0s49	22n50	0s40	20n57	0n37	3s46	1n41	0n54	15s11	22s16	22s18	7s21	4s40	5n 7

Julian Day Number = 2313149.5, Delta T = 65.55 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'07, Lahiri = 18°34'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

MARCH 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 35 38	10♓38'30	5♊35	20♒10	5♒49	17♏36	15♉46	29°D47	29°R12	13°R25	11♉41	11°R57	12♐10	28♒32	5♓49	M 1
T 2	10 39 35	11°38'31	18°49	21°42	7° 1	17°53	15°55	29♊47	29♋11	13♎24	11°42	11♐57	12° 6	28°39	5°53	T 2
W 3	10 43 31	12°38'30	2♋28	23°15	8°14	18° 9	16° 5	29°47	29° 9	13°23	11°43	11°56	12° 3	28°45	5°57	W 3
T 4	10 47 28	13°38'27	16°35	24°50	9°27	18°25	16°15	29°47	29° 7	13°21	11°44	11°54	12° 0	28°52	6° 1	T 4
F 5	10 51 24	14°38'21	1♌ 8	26°25	10°40	18°41	16°25	29°48	29° 6	13°20	11°44	11°49	11°57	28°59	6° 5	F 5
S 6	10 55 21	15°38'13	16° 5	28° 2	11°53	18°56	16°34	29°48	29° 4	13°19	11°45	11°41	11°54	29° 5	6° 9	S 6
S 7	10 59 18	16°38'03	1♍18	29°40	13° 6	19°11	16°45	29°49	29° 3	13°17	11°46	11°30	11°50	29°12	6°13	S 7
M 8	11 3 14	17°37'51	16°37	1♓19	14°18	19°25	16°55	29°49	29° 1	13°16	11°47	11°19	11°47	29°19	6°17	M 8
T 9	11 7 11	18°37'37	1♎50	2°59	15°31	19°39	17° 5	29°50	29° 0	13°14	11°48	11° 8	11°44	29°26	6°20	T 9
W10	11 11 7	19°37'21	16°46	4°41	16°44	19°52	17°16	29°51	28°58	13°13	11°49	10°58	11°41	29°32	6°24	W10
T 11	11 15 4	20°37'03	1♏18	6°23	17°57	20° 5	17°26	29°52	28°57	13°11	11°49	10°51	11°38	29°39	6°28	T 11
F 12	11 19 0	21°36'44	15°21	8° 7	19°10	20°17	17°37	29°53	28°56	13°10	11°50	10°47	11°35	29°46	6°32	F 12
S 13	11 22 57	22°36'23	28°54	9°53	20°23	20°29	17°47	29°55	28°54	13° 8	11°51	10°44	11°31	29°53	6°36	S 13
S 14	11 26 53	23°36'00	11♐58	11°39	21°36	20°40	17°58	29°56	28°53	13° 7	11°52	10°D44	11°28	29°59	6°40	S 14
M15	11 30 50	24°35'35	24°38	13°27	22°49	20°50	18° 9	29°58	28°52	13° 5	11°53	10°R44	11°25	0♓ 6	6°43	M15
T 16	11 34 46	25°35'08	6♑59	15°16	24° 2	21° 0	18°20	29°59	28°51	13° 4	11°54	10°44	11°22	0°13	6°47	T 16
W17	11 38 43	26°34'40	19° 5	17° 6	25°15	21° 9	18°31	0♋ 1	28°50	13° 2	11°55	10°41	11°19	0°19	6°51	W17
T 18	11 42 40	27°34'10	1♒ 2	18°57	26°29	21°18	18°42	0° 3	28°49	13° 1	11°56	10°37	11°16	0°26	6°55	T 18
F 19	11 46 36	28°33'38	12°53	20°50	27°42	21°26	18°54	0° 5	28°48	12°59	11°57	10°29	11°12	0°33	6°59	F 19
S 20	11 50 33	29°33'04	24°43	22°44	28°55	21°34	19° 5	0° 7	28°47	12°57	11°58	10°19	11° 9	0°40	7° 2	S 20
S 21	11 54 29	0♈32'28	6♓35	24°39	0♓ 8	21°41	19°17	0° 9	28°46	12°56	11°59	10° 7	11° 6	0°46	7° 6	S 21
M22	11 58 26	1°31'51	18°30	26°36	1°21	21°47	19°28	0°11	28°45	12°54	12° 0	9°54	11° 3	0°53	7°10	M22
T 23	12 2 22	2°31'11	0♈30	28°34	2°34	21°52	19°40	0°13	28°45	12°53	12° 1	9°41	11° 0	1° 0	7°13	T 23
W24	12 6 19	3°30'29	12°37	0♈32	3°47	21°57	19°52	0°16	28°44	12°51	12° 3	9°29	10°56	1° 6	7°17	W24
T 25	12 10 15	4°29'45	24°51	2°33	5° 0	22° 2	20° 3	0°18	28°43	12°49	12° 4	9°20	10°53	1°13	7°21	T 25
F 26	12 14 12	5°28'59	7♉14	4°34	6°14	22° 5	20°15	0°21	28°43	12°48	12° 5	9°13	10°50	1°20	7°24	F 26
S 27	12 18 9	6°28'11	19°46	6°36	7°27	22° 8	20°27	0°24	28°42	12°46	12° 6	9° 8	10°47	1°27	7°28	S 27
S 28	12 22 5	7°27'20	2♊30	8°39	8°40	22°10	20°39	0°27	28°42	12°44	12° 7	9° 6	10°44	1°33	7°31	S 28
M29	12 26 2	8°26'28	15°29	10°42	9°53	22°11	20°51	0°30	28°41	12°43	12° 8	9°D 6	10°41	1°40	7°35	M29
T 30	12 29 58	9°25'33	28°45	12°47	11° 6	22°R12	21° 4	0°33	28°41	12°41	12° 9	9° 7	10°37	1°47	7°38	T 30
W31	12 33 55	10♈24'35	12♋20	14♈51	12♓20	22♏12	21♉16	0♋36	28♋40	12♎40	12♉10	9°R 7	10♐34	1♓53	7♓42	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s35	21n50	0n34	16s37	1s55	18s54	0s 3	15s27	1n45	15n49	0s48	22n50	0s40	20n57	0n37	3s46	1n41	0n54	15s10	22s16	22s18	7s19	4s38	5n 7
T 2	7 13	22 25	0s36	16 10	1 59	18 39	0 6	15 32	1 44	15 52	0 48	22 50	0 39	20 58	0 37	3 45	1 41	0 55	15 10	22 16	22 17	7 16	4 37	5 7
W 3	6 50	21 42	1 46	15 43	2 2	18 23	0 9	15 36	1 44	15 55	0 48	22 50	0 39	20 58	0 36	3 45	1 41	0 55	15 10	22 16	22 17	7 14	4 35	5 7
T 4	6 27	19 37	2 52	15 14	2 5	18 7	0 12	15 41	1 44	15 58	0 48	22 50	0 39	20 58	0 36	3 44	1 41	0 56	15 9	22 16	22 16	7 11	4 34	5 7
F 5	6 4	16 14	3 49	14 44	2 7	17 50	0 15	15 46	1 43	16 1	0 47	22 50	0 39	20 59	0 36	3 43	1 41	0 56	15 9	22 15	22 16	7 9	4 32	5 7
S 6	5 40	11 44	4 31	14 12	2 9	17 33	0 18	15 50	1 43	16 4	0 47	22 51	0 39	20 59	0 36	3 43	1 41	0 57	15 9	22 14	22 16	7 6	4 31	5 7
S 7	5 17	6 26	4 56	13 39	2 11	17 16	0 21	15 55	1 42	16 7	0 47	22 51	0 39	20 59	0 36	3 42	1 41	0 57	15 9	22 12	22 15	7 4	4 30	5 7
M 8	4 54	0 42	4 59	13 5	2 12	16 57	0 24	15 59	1 42	16 10	0 47	22 51	0 38	20 59	0 36	3 42	1 41	0 58	15 8	22 11	22 15	7 1	4 28	5 7
T 9	4 30	5s 2	4 41	12 30	2 13	16 39	0 27	16 3	1 41	16 14	0 47	22 51	0 38	21 0	0 36	3 41	1 41	0 58	15 8	22 9	22 14	6 59	4 27	5 7
W10	4 7	10 22	4 4	11 53	2 13	16 20	0 30	16 7	1 41	16 17	0 46	22 51	0 38	21 0	0 36	3 41	1 41	0 59	15 8	22 8	22 14	6 56	4 25	5 7
T 11	3 44	14 57	3 12	11 15	2 13	16 0	0 33	16 11	1 41	16 20	0 46	22 51	0 38	21 0	0 36	3 40	1 41	0 59	15 7	22 7	22 13	6 54	4 24	5 7
F 12	3 20	18 33	2 10	10 35	2 13	15 40	0 36	16 15	1 40	16 23	0 46	22 52	0 38	21 0	0 36	3 39	1 41	1 0	15 7	22 6	22 13	6 51	4 23	5 7
S 13	2 56	20 58	1 2	9 55	2 12	15 20	0 38	16 18	1 39	16 26	0 46	22 52	0 38	21 1	0 36	3 39	1 41	1 0	15 7	22 6	22 13	6 49	4 21	5 7
S 14	2 33	22 10	0n 7	9 13	2 10	14 59	0 41	16 22	1 39	16 29	0 46	22 52	0 37	21 1	0 36	3 38	1 41	1 1	15 7	22 6	22 12	6 46	4 20	5 7
M15	2 9	22 10	1 13	8 29	2 8	14 37	0 44	16 25	1 38	16 33	0 45	22 52	0 37	21 1	0 36	3 37	1 41	1 1	15 6	22 6	22 12	6 44	4 18	5 7
T 16	1 45	21 4	2 14	7 45	2 6	14 16	0 46	16 28	1 38	16 36	0 45	22 52	0 37	21 1	0 36	3 37	1 41	1 2	15 6	22 6	22 11	6 41	4 17	5 7
W17	1 22	19 1	3 8	6 59	2 3	13 54	0 49	16 32	1 37	16 39	0 45	22 52	0 37	21 2	0 36	3 36	1 41	1 2	15 6	22 6	22 11	6 39	4 15	5 7
T 18	0 58	16 11	3 53	6 12	1 59	13 31	0 51	16 34	1 36	16 42	0 45	22 53	0 37	21 2	0 36	3 36	1 41	1 3	15 6	22 5	22 10	6 37	4 14	5 7
F 19	0 34	12 42	4 28	5 24	1 55	13 8	0 54	16 37	1 36	16 46	0 45	22 53	0 37	21 2	0 36	3 35	1 41	1 4	15 5	22 4	22 10	6 34	4 13	5 7
S 20	0 11	8 45	4 50	4 35	1 51	12 45	0 56	16 40	1 35	16 49	0 45	22 53	0 36	21 2	0 36	3 34	1 41	1 4	15 5	22 3	22 10	6 32	4 11	5 7
S 21	0n13	4 27	5 1	3 45	1 46	12 21	0 58	16 43	1 34	16 52	0 44	22 53	0 36	21 2	0 36	3 34	1 41	1 5	15 5	22 1	22 9	6 29	4 10	5 7
M22	0 37	0n 1	4 58	2 53	1 40	11 57	1 0	16 45	1 33	16 55	0 44	22 53	0 36	21 2	0 36	3 33	1 41	1 5	15 5	21 59	22 9	6 27	4 8	5 7
T 23	1 0	4 31	4 42	2 1	1 34	11 33	1 3	16 47	1 32	16 59	0 44	22 53	0 36	21 3	0 36	3 32	1 41	1 6	15 5	21 57	22 8	6 24	4 7	5 7
W24	1 24	8 53	4 13	1 7	1 27	11 9	1 5	16 49	1 31	17 2	0 44	22 54	0 36	21 3	0 36	3 32	1 41	1 6	15 4	21 55	22 8	6 22	4 6	5 8
T 25	1 47	12 56	3 32	0 13	1 20	10 44	1 7	16 51	1 30	17 5	0 44	22 54	0 36	21 3	0 36	3 31	1 41	1 7	15 4	21 54	22 7	6 19	4 4	5 8
F 26	2 11	16 29	2 41	0n43	1 12	10 18	1 9	16 53	1 29	17 9	0 43	22 54	0 35	21 3	0 36	3 30	1 41	1 7	15 4	21 53	22 7	6 17	4 3	5 8
S 27	2 34	19 20	1 41	1 38	1 4	9 53	1 11	16 55	1 28	17 12	0 43	22 54	0 35	21 3	0 36	3 30	1 41	1 8	15 4	21 52	22 6	6 14	4 1	5 8
S 28	2 58	21 17	0 35	2 35	0 56	9 27	1 12	16 56	1 27	17 15	0 43	22 54	0 35	21 3	0 36	3 29	1 41	1 8	15 3	21 52	22 6	6 12	4 0	5 8
M29	3 21	22 8	0s34	3 32	0 46	9 1	1 14	16 58	1 26	17 19	0 43	22 54	0 35	21 3	0 36	3 28	1 41	1 9	15 3	21 52	22 6	6 9	3 59	5 8
T 30	3 45	21 46	1 43	4 29	0 37	8 35	1 16	16 59	1 25	17 22	0 43	22 54	0 35	21 3	0 36	3 28	1 41	1 9	15 3	21 52	22 5	6 7	3 57	5 8
W31	4n 8	20n 8	2s48	5n27	0s27	8s 9	1s17	17s 0	1n24	17n26	0s43	22n55	0s35	21n 3	0n36	3s27	1n41	1n10	15s 3	21s52	22s 5	6s 4	3s56	5n 8

Julian Day Number = 2313177.5, Delta T = 65.49 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'10, Lahiri = 18°34'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

APRIL 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 37 51	11♈23'36	26♋17	16♈56	13♓33	22°R11	21♉28	0♋39	28°R40	12°R38	12♉12	9°R 6	10♐31	2♓ 0	7♓45	T 1
F 2	12 41 48	12°22'34	10♌35	19° 0	14°46	22♏10	21°41	0°42	28♋40	12♎36	12°13	9♐ 3	10°28	2° 7	7°49	F 2
S 3	12 45 44	13°21'29	25°12	21° 5	15°59	22° 7	21°53	0°46	28°40	12°35	12°14	8°58	10°25	2°14	7°52	S 3
S 4	12 49 41	14°20'22	10♍ 5	23° 8	17°12	22° 4	22° 5	0°49	28°40	12°33	12°15	8°51	10°22	2°20	7°55	S 4
M 5	12 53 38	15°19'13	25° 5	25°11	18°26	22° 1	22°18	0°53	28°40	12°31	12°16	8°43	10°18	2°27	7°59	M 5
T 6	12 57 34	16°18'02	10♎ 3	27°12	19°39	21°56	22°31	0°57	28°D40	12°30	12°18	8°35	10°15	2°34	8° 2	T 6
W 7	13 1 31	17°16'49	24°50	29°11	20°52	21°51	22°43	1° 1	28°40	12°28	12°19	8°28	10°12	2°41	8° 5	W 7
T 8	13 5 27	18°15'34	9♏18	1♉ 8	22° 5	21°45	22°56	1° 4	28°40	12°26	12°20	8°22	10° 9	2°47	8° 8	T 8
F 9	13 9 24	19°14'17	23°21	3° 3	23°18	21°38	23° 9	1° 8	28°40	12°25	12°21	8°19	10° 6	2°54	8°12	F 9
S 10	13 13 20	20°12'58	6♐58	4°55	24°32	21°30	23°22	1°13	28°40	12°23	12°23	8°D18	10° 2	3° 1	8°15	S 10
S 11	13 17 17	21°11'38	20° 8	6°44	25°45	21°22	23°35	1°17	28°40	12°21	12°24	8°19	9°59	3° 7	8°18	S 11
M12	13 21 13	22°10'16	2♑53	8°30	26°58	21°13	23°48	1°21	28°41	12°20	12°25	8°20	9°56	3°14	8°21	M12
T 13	13 25 10	23° 8'52	15°19	10°12	28°11	21° 3	24° 1	1°25	28°41	12°18	12°27	8°21	9°53	3°21	8°24	T 13
W14	13 29 7	24° 7'27	27°28	11°51	29°25	20°53	24°14	1°30	28°41	12°17	12°28	8°R21	9°50	3°28	8°27	W14
T 15	13 33 3	25° 5'59	9♒27	13°25	0♈38	20°41	24°27	1°34	28°42	12°15	12°29	8°20	9°47	3°34	8°30	T 15
F 16	13 37 0	26° 4'30	21°20	14°55	1°51	20°29	24°40	1°39	28°42	12°13	12°30	8°17	9°43	3°41	8°33	F 16
S 17	13 40 56	27° 3'00	3♓11	16°20	3° 5	20°16	24°53	1°44	28°43	12°12	12°32	8°12	9°40	3°48	8°36	S 17
S 18	13 44 53	28° 1'27	15° 5	17°41	4°18	20° 3	25° 7	1°48	28°44	12°10	12°33	8° 6	9°37	3°54	8°39	S 18
M19	13 48 49	28°59'53	27° 4	18°58	5°31	19°48	25°20	1°53	28°44	12° 9	12°34	7°59	9°34	4° 1	8°42	M19
T 20	13 52 46	29°58'18	9♈11	20° 9	6°44	19°34	25°33	1°58	28°45	12° 7	12°36	7°52	9°31	4° 8	8°44	T 20
W21	13 56 42	0♉56'40	21°28	21°16	7°58	19°18	25°47	2° 3	28°46	12° 6	12°37	7°45	9°27	4°15	8°47	W21
T 22	14 0 39	1°55'01	3♉55	22°18	9°11	19° 2	26° 0	2° 8	28°47	12° 4	12°38	7°40	9°24	4°21	8°50	T 22
F 23	14 4 35	2°53'20	16°34	23°14	10°24	18°45	26°14	2°13	28°48	12° 2	12°40	7°37	9°21	4°28	8°53	F 23
S 24	14 8 32	3°51'37	29°25	24° 6	11°38	18°28	26°27	2°19	28°49	12° 1	12°41	7°35	9°18	4°35	8°55	S 24
S 25	14 12 29	4°49'52	12♊28	24°52	12°51	18°10	26°41	2°24	28°50	11°59	12°42	7°D35	9°15	4°42	8°58	S 25
M26	14 16 25	5°48'05	25°44	25°33	14° 4	17°51	26°54	2°29	28°51	11°58	12°44	7°36	9°12	4°48	9° 0	M26
T 27	14 20 22	6°46'17	9♋13	26° 9	15°17	17°32	27° 8	2°35	28°52	11°57	12°45	7°37	9° 8	4°55	9° 3	T 27
W28	14 24 18	7°44'26	22°56	26°39	16°31	17°13	27°21	2°40	28°53	11°55	12°46	7°38	9° 5	5° 2	9° 5	W28
T 29	14 28 15	8°42'33	6♌52	27° 4	17°44	16°53	27°35	2°46	28°54	11°54	12°48	7°R39	9° 2	5° 8	9° 8	T 29
F 30	14 32 11	9♉40'39	21♌ 2	27♉24	18♈57	16♏33	27♉49	2♋52	28♋55	11♎52	12♉49	7♐39	8♐59	5♓15	9♓10	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n31	17n16	3s45	6n25	0s17	7s42	1s19	17s 1	1n23	17n29	0s43	22n55	0s34	21n 3	0n36	3s27	1n41	1n10	15s 3	21s52	22s 4	6s 2	3s54	5n 8
F 2	4 54	13 18	4 29	7 22	0 6	7 15	1 20	17 2	1 21	17 32	0 42	22 55	0 34	21 3	0 36	3 26	1 41	1 11	15 3	21 51	22 4	5 59	3 53	5 8
S 3	5 17	8 29	4 57	8 19	0n 5	6 48	1 22	17 3	1 20	17 36	0 42	22 55	0 34	21 3	0 36	3 25	1 41	1 11	15 2	21 50	22 3	5 57	3 52	5 8
S 4	5 40	3 5	5 5	9 15	0 16	6 20	1 23	17 3	1 19	17 39	0 42	22 55	0 34	21 3	0 36	3 25	1 41	1 12	15 2	21 49	22 3	5 54	3 50	5 9
M 5	6 3	2s32	4 53	10 11	0 27	5 53	1 25	17 4	1 17	17 42	0 42	22 55	0 34	21 3	0 36	3 24	1 41	1 12	15 2	21 48	22 2	5 52	3 49	5 9
T 6	6 25	7 59	4 21	11 6	0 39	5 25	1 26	17 4	1 16	17 46	0 42	22 55	0 34	21 3	0 36	3 23	1 42	1 13	15 2	21 47	22 2	5 49	3 48	5 9
W 7	6 48	12 55	3 32	11 59	0 50	4 57	1 27	17 4	1 14	17 49	0 42	22 55	0 34	21 3	0 36	3 23	1 42	1 13	15 2	21 46	22 1	5 47	3 46	5 9
T 8	7 10	16 59	2 30	12 51	1 1	4 30	1 28	17 4	1 13	17 53	0 41	22 56	0 33	21 3	0 36	3 22	1 42	1 14	15 2	21 45	22 1	5 44	3 45	5 9
F 9	7 33	19 56	1 20	13 41	1 12	4 1	1 29	17 4	1 11	17 56	0 41	22 56	0 33	21 3	0 36	3 21	1 42	1 14	15 1	21 44	22 0	5 42	3 44	5 9
S 10	7 55	21 38	0 7	14 29	1 23	3 33	1 30	17 4	1 9	17 59	0 41	22 56	0 33	21 3	0 36	3 21	1 42	1 15	15 1	21 44	22 0	5 39	3 43	5 9
S 11	8 17	22 4	1n 3	15 15	1 33	3 5	1 31	17 3	1 8	18 3	0 41	22 56	0 33	21 3	0 36	3 20	1 41	1 15	15 1	21 44	22 0	5 37	3 41	5 10
M12	8 39	21 19	2 9	15 59	1 43	2 36	1 32	17 2	1 6	18 6	0 41	22 56	0 33	21 3	0 36	3 20	1 41	1 16	15 1	21 44	21 59	5 34	3 40	5 10
T 13	9 1	19 31	3 6	16 41	1 52	2 8	1 32	17 2	1 4	18 9	0 41	22 56	0 33	21 3	0 36	3 19	1 41	1 16	15 1	21 45	21 59	5 32	3 39	5 10
W14	9 22	16 53	3 54	17 20	2 1	1 39	1 33	17 1	1 2	18 13	0 41	22 56	0 32	21 3	0 36	3 18	1 41	1 17	15 1	21 45	21 58	5 29	3 37	5 10
T 15	9 44	13 34	4 31	17 57	2 9	1 11	1 33	17 0	1 0	18 16	0 40	22 56	0 32	21 2	0 36	3 18	1 41	1 17	15 1	21 44	21 58	5 27	3 36	5 10
F 16	10 5	9 45	4 56	18 31	2 17	0 42	1 34	16 58	0 58	18 19	0 40	22 56	0 32	21 2	0 35	3 17	1 41	1 18	15 0	21 44	21 57	5 24	3 35	5 10
S 17	10 27	5 34	5 8	19 3	2 24	0 13	1 34	16 57	0 56	18 23	0 40	22 57	0 32	21 2	0 35	3 16	1 41	1 18	15 0	21 43	21 57	5 22	3 34	5 10
S 18	10 48	1 10	5 7	19 32	2 30	0n16	1 35	16 55	0 54	18 26	0 40	22 57	0 32	21 2	0 35	3 16	1 41	1 19	15 0	21 42	21 56	5 19	3 32	5 11
M19	11 8	3n18	4 52	19 58	2 35	0 45	1 35	16 53	0 52	18 29	0 40	22 57	0 32	21 2	0 35	3 15	1 41	1 19	15 0	21 41	21 56	5 17	3 31	5 11
T 20	11 29	7 42	4 25	20 22	2 39	1 14	1 35	16 52	0 50	18 33	0 40	22 57	0 32	21 2	0 35	3 15	1 41	1 20	15 0	21 40	21 55	5 14	3 30	5 11
W21	11 50	11 51	3 44	20 43	2 42	1 42	1 35	16 50	0 47	18 36	0 40	22 57	0 31	21 2	0 35	3 14	1 41	1 20	15 0	21 39	21 55	5 12	3 29	5 11
T 22	12 10	15 34	2 53	21 2	2 44	2 11	1 35	16 47	0 45	18 39	0 39	22 57	0 31	21 1	0 35	3 13	1 41	1 21	15 0	21 38	21 54	5 9	3 28	5 11
F 23	12 30	18 37	1 52	21 17	2 46	2 40	1 35	16 45	0 43	18 43	0 39	22 57	0 31	21 1	0 35	3 13	1 41	1 21	15 0	21 37	21 54	5 7	3 27	5 12
S 24	12 50	20 47	0 44	21 31	2 46	3 9	1 35	16 43	0 40	18 46	0 39	22 57	0 31	21 1	0 35	3 12	1 41	1 21	15 0	21 37	21 53	5 4	3 25	5 12
S 25	13 9	21 54	0s27	21 41	2 45	3 38	1 35	16 40	0 38	18 49	0 39	22 57	0 31	21 1	0 35	3 12	1 41	1 22	15 0	21 37	21 53	5 2	3 24	5 12
M26	13 29	21 48	1 38	21 49	2 43	4 6	1 35	16 37	0 35	18 52	0 39	22 57	0 31	21 0	0 35	3 11	1 41	1 22	15 0	21 37	21 52	4 59	3 23	5 12
T 27	13 48	20 26	2 44	21 55	2 40	4 35	1 35	16 34	0 33	18 56	0 39	22 57	0 31	21 0	0 35	3 11	1 41	1 23	15 0	21 37	21 52	4 57	3 22	5 12
W28	14 7	17 52	3 43	21 58	2 35	5 3	1 34	16 31	0 30	18 59	0 39	22 57	0 31	21 0	0 35	3 10	1 41	1 23	15 0	21 38	21 51	4 54	3 21	5 13
T 29	14 26	14 15	4 29	21 59	2 30	5 32	1 34	16 28	0 28	19 2	0 39	22 57	0 30	21 0	0 35	3 9	1 41	1 24	14 59	21 38	21 51	4 52	3 20	5 13
F 30	14n44	9n46	5s 0	21n57	2n23	6n 0	1s33	16s25	0n25	19n 5	0s39	22n57	0s30	20n59	0n35	3s 9	1n41	1n24	14s59	21s38	21s50	4s49	3s19	5n13

Julian Day Number = 2313208.5, Delta T = 65.41 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'15, Lahiri = 18°34'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

MAY 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 36 8	10♉38'42	5♍24	27♉39	20♈11	16°R13	28♉ 2	2♋57	28♋57	11°R51	12♉51	7°R37	8♐56	5♓22	9♓12	S 1
S 2	14 40 4	11°36'43	19°54	27°48	21°24	15♏52	28°16	3° 3	28°58	11♎49	12°52	7♐34	8°53	5°29	9°15	S 2
M 3	14 44 1	12°34'42	4♎27	27°R52	22°37	15°31	28°30	3° 9	28°59	11°48	12°53	7°31	8°49	5°35	9°17	M 3
T 4	14 47 58	13°32'40	18°59	27°50	23°50	15°10	28°44	3°15	29° 1	11°47	12°55	7°28	8°46	5°42	9°19	T 4
W 5	14 51 54	14°30'36	3♏22	27°44	25° 4	14°48	28°58	3°21	29° 2	11°45	12°56	7°25	8°43	5°49	9°21	W 5
T 6	14 55 51	15°28'30	17°32	27°34	26°17	14°27	29°11	3°27	29° 4	11°44	12°57	7°23	8°40	5°56	9°23	T 6
F 7	14 59 47	16°26'23	1♐23	27°19	27°30	14° 5	29°25	3°33	29° 6	11°43	12°59	7°D22	8°37	6° 2	9°25	F 7
S 8	15 3 44	17°24'14	14°52	26°59	28°44	13°43	29°39	3°39	29° 7	11°41	13° 0	7°22	8°33	6° 9	9°27	S 8
S 9	15 7 40	18°22'04	28° 0	26°36	29°57	13°22	29°53	3°46	29° 9	11°40	13° 1	7°23	8°30	6°16	9°29	S 9
M10	15 11 37	19°19'53	10♑47	26°10	1♉10	13° 0	0♊ 7	3°52	29°11	11°39	13° 3	7°24	8°27	6°22	9°31	M10
T 11	15 15 33	20°17'40	23°15	25°41	2°24	12°39	0°21	3°58	29°13	11°38	13° 4	7°25	8°24	6°29	9°33	T 11
W12	15 19 30	21°15'27	5♒27	25°10	3°37	12°17	0°35	4° 5	29°14	11°37	13° 5	7°26	8°21	6°36	9°35	W12
T 13	15 23 27	22°13'12	17°29	24°37	4°50	11°56	0°49	4°11	29°16	11°35	13° 7	7°R27	8°18	6°43	9°36	T 13
F 14	15 27 23	23°10'56	29°24	24° 3	6° 4	11°35	1° 3	4°18	29°18	11°34	13° 8	7°27	8°14	6°49	9°38	F 14
S 15	15 31 20	24° 8'38	11♓17	23°28	7°17	11°14	1°17	4°24	29°20	11°33	13° 9	7°26	8°11	6°56	9°40	S 15
S 16	15 35 16	25° 6'20	23°12	22°53	8°30	10°54	1°31	4°31	29°22	11°32	13°11	7°25	8° 8	7° 3	9°41	S 16
M17	15 39 13	26° 4'01	5♈15	22°20	9°44	10°34	1°45	4°38	29°24	11°31	13°12	7°24	8° 5	7° 9	9°43	M17
T 18	15 43 9	27° 1'40	17°27	21°47	10°57	10°14	1°59	4°44	29°26	11°30	13°13	7°22	8° 2	7°16	9°44	T 18
W19	15 47 6	27°59'18	29°52	21°16	12°10	9°55	2°13	4°51	29°28	11°29	13°15	7°21	7°59	7°23	9°46	W19
T 20	15 51 2	28°56'56	12♉33	20°48	13°24	9°36	2°27	4°58	29°31	11°28	13°16	7°20	7°55	7°30	9°47	T 20
F 21	15 54 59	29°54'32	25°29	20°22	14°37	9°18	2°41	5° 5	29°33	11°27	13°17	7°19	7°52	7°36	9°48	F 21
S 22	15 58 56	0♊52'07	8♊41	19°59	15°50	9° 1	2°55	5°12	29°35	11°26	13°19	7°D19	7°49	7°43	9°50	S 22
S 23	16 2 52	1°49'41	22° 8	19°40	17° 4	8°43	3° 9	5°19	29°38	11°25	13°20	7°19	7°46	7°50	9°51	S 23
M24	16 6 49	2°47'14	5♋48	19°25	18°17	8°27	3°23	5°26	29°40	11°24	13°21	7°20	7°43	7°57	9°52	M24
T 25	16 10 45	3°44'46	19°41	19°14	19°30	8°11	3°37	5°33	29°42	11°23	13°23	7°20	7°39	8° 3	9°53	T 25
W26	16 14 42	4°42'16	3♌42	19° 6	20°44	7°56	3°51	5°40	29°45	11°22	13°24	7°20	7°36	8°10	9°54	W26
T 27	16 18 38	5°39'45	17°51	19°D 4	21°57	7°42	4° 5	5°47	29°47	11°22	13°25	7°21	7°33	8°17	9°55	T 27
F 28	16 22 35	6°37'12	2♍ 3	19° 5	23°11	7°28	4°19	5°54	29°50	11°21	13°26	7°21	7°30	8°23	9°56	F 28
S 29	16 26 31	7°34'38	16°18	19°11	24°24	7°15	4°33	6° 1	29°52	11°20	13°28	7°21	7°27	8°30	9°57	S 29
S 30	16 30 28	8°32'03	0♎32	19°22	25°37	7° 3	4°47	6° 8	29°55	11°19	13°29	7°21	7°24	8°37	9°58	S 30
M31	16 34 25	9♊29'27	14♎42	19♉37	26♉51	6♏51	5♊ 1	6♋16	29♋57	11♎19	13♉30	7♐21	7♐20	8♓44	9♓59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 3	4n42	5s13	21n53	2n16	6n28	1s33	16s22	0n22	19n 8	0s38	22n57	0s30	20n59	0n35	3s 8	1n41	1n24	14s59	21s37	21s50	4s47	3s18	5n13
S 2	15 21	0s41	5 6	21 46	2 7	6 56	1 32	16 18	0 20	19 12	0 38	22 57	0 30	20 59	0 35	3 8	1 41	1 25	14 59	21 37	21 49	4 44	3 17	5 13
M 3	15 39	6 3	4 40	21 37	1 57	7 24	1 31	16 15	0 17	19 15	0 38	22 57	0 30	20 58	0 35	3 7	1 41	1 25	14 59	21 36	21 49	4 42	3 16	5 14
T 4	15 56	11 4	3 55	21 26	1 46	7 52	1 31	16 11	0 14	19 18	0 38	22 57	0 30	20 58	0 35	3 7	1 41	1 26	14 59	21 36	21 48	4 39	3 15	5 14
W 5	16 13	15 25	2 56	21 13	1 33	8 20	1 30	16 8	0 11	19 21	0 38	22 57	0 30	20 58	0 35	3 6	1 41	1 26	14 59	21 35	21 48	4 37	3 14	5 14
T 6	16 30	18 48	1 47	20 57	1 20	8 47	1 29	16 4	0 9	19 24	0 38	22 57	0 29	20 57	0 35	3 6	1 41	1 27	14 59	21 35	21 48	4 35	3 13	5 14
F 7	16 47	21 1	0 33	20 40	1 6	9 14	1 28	16 0	0 6	19 27	0 38	22 57	0 29	20 57	0 35	3 5	1 41	1 27	14 59	21 35	21 47	4 32	3 12	5 14
S 8	17 4	21 57	0n41	20 21	0 51	9 41	1 27	15 57	0 3	19 30	0 38	22 57	0 29	20 57	0 35	3 5	1 41	1 27	14 59	21 35	21 47	4 30	3 11	5 15
S 9	17 20	21 37	1 51	20 0	0 35	10 8	1 26	15 53	0s 0	19 33	0 38	22 57	0 29	20 56	0 35	3 4	1 41	1 28	14 59	21 35	21 46	4 27	3 10	5 15
M10	17 36	20 9	2 54	19 38	0 19	10 35	1 25	15 49	0 3	19 36	0 37	22 57	0 29	20 56	0 35	3 4	1 41	1 28	14 59	21 35	21 46	4 25	3 9	5 15
T 11	17 51	17 45	3 47	19 15	0 2	11 1	1 24	15 45	0 6	19 39	0 37	22 57	0 29	20 56	0 35	3 4	1 41	1 28	14 59	21 36	21 45	4 22	3 8	5 15
W12	18 7	14 36	4 28	18 50	0s16	11 27	1 22	15 42	0 9	19 42	0 37	22 57	0 29	20 55	0 35	3 3	1 41	1 29	14 59	21 36	21 45	4 20	3 7	5 16
T 13	18 22	10 54	4 57	18 25	0 33	11 53	1 21	15 38	0 12	19 45	0 37	22 57	0 29	20 55	0 35	3 3	1 41	1 29	14 59	21 36	21 44	4 17	3 6	5 16
F 14	18 36	6 49	5 13	18 0	0 51	12 19	1 20	15 34	0 14	19 48	0 37	22 57	0 29	20 54	0 35	3 2	1 41	1 29	14 59	21 36	21 43	4 15	3 5	5 16
S 15	18 51	2 29	5 15	17 35	1 8	12 44	1 18	15 30	0 17	19 51	0 37	22 56	0 28	20 54	0 35	3 2	1 41	1 30	14 59	21 36	21 43	4 12	3 5	5 16
S 16	19 5	1n57	5 4	17 9	1 25	13 9	1 17	15 27	0 20	19 54	0 37	22 56	0 28	20 53	0 35	3 1	1 41	1 30	14 59	21 36	21 42	4 10	3 4	5 17
M17	19 19	6 22	4 40	16 45	1 42	13 34	1 15	15 23	0 23	19 57	0 37	22 56	0 28	20 53	0 35	3 1	1 41	1 31	14 59	21 35	21 42	4 7	3 3	5 17
T 18	19 32	10 35	4 2	16 21	1 58	13 58	1 14	15 20	0 26	20 0	0 37	22 56	0 28	20 53	0 35	3 1	1 41	1 31	14 59	21 35	21 41	4 5	3 2	5 17
W19	19 45	14 27	3 13	15 58	2 13	14 22	1 12	15 16	0 29	20 3	0 37	22 56	0 28	20 52	0 35	3 0	1 41	1 31	15 0	21 35	21 41	4 2	3 1	5 17
T 20	19 58	17 45	2 13	15 37	2 28	14 46	1 10	15 13	0 31	20 6	0 36	22 56	0 28	20 52	0 35	3 0	1 41	1 31	15 0	21 35	21 40	4 0	3 1	5 18
F 21	20 10	20 13	1 5	15 17	2 41	15 10	1 9	15 10	0 34	20 9	0 36	22 56	0 28	20 51	0 35	3 0	1 41	1 32	15 0	21 35	21 40	3 57	3 0	5 18
S 22	20 22	21 40	0s 8	14 59	2 54	15 33	1 7	15 7	0 37	20 11	0 36	22 56	0 28	20 51	0 35	2 59	1 41	1 32	15 0	21 35	21 39	3 55	2 59	5 18
S 23	20 34	21 54	1 21	14 42	3 6	15 55	1 5	15 4	0 40	20 14	0 36	22 55	0 27	20 50	0 35	2 59	1 41	1 32	15 0	21 35	21 39	3 52	2 59	5 18
M24	20 46	20 50	2 31	14 28	3 16	16 18	1 3	15 1	0 42	20 17	0 36	22 55	0 27	20 50	0 35	2 59	1 41	1 33	15 0	21 35	21 38	3 50	2 58	5 19
T 25	20 57	18 31	3 34	14 17	3 25	16 39	1 2	14 58	0 45	20 20	0 36	22 55	0 27	20 49	0 35	2 58	1 40	1 33	15 0	21 35	21 38	3 47	2 57	5 19
W26	21 7	15 5	4 24	14 7	3 33	17 1	1 0	14 56	0 48	20 22	0 36	22 55	0 27	20 48	0 35	2 58	1 40	1 33	15 0	21 35	21 37	3 45	2 57	5 19
T 27	21 18	10 46	4 59	14 0	3 40	17 22	0 58	14 54	0 50	20 25	0 36	22 55	0 27	20 48	0 35	2 58	1 40	1 34	15 0	21 35	21 37	3 42	2 56	5 19
F 28	21 27	5 51	5 16	13 55	3 46	17 42	0 56	14 52	0 53	20 28	0 36	22 54	0 27	20 47	0 35	2 58	1 40	1 34	15 0	21 35	21 36	3 40	2 55	5 20
S 29	21 37	0 36	5 13	13 52	3 50	18 2	0 54	14 50	0 55	20 30	0 36	22 54	0 27	20 47	0 34	2 57	1 40	1 34	15 0	21 35	21 36	3 37	2 55	5 20
S 30	21 46	4s40	4 51	13 51	3 54	18 22	0 52	14 48	0 58	20 33	0 36	22 54	0 27	20 46	0 34	2 57	1 40	1 34	15 0	21 35	21 35	3 35	2 54	5 20
M31	21n55	9s41	4s12	13n53	3s56	18n41	0s49	14s46	1s 0	20n36	0s36	22n54	0s27	20n46	0n34	2s57	1n40	1n35	15s 0	21s35	21s35	3s33	2s54	5n20

Julian Day Number = 2313238.5, Delta T = 65.33 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'19, Lahiri = 18°34'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

JUNE 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 38 21	10♊26'50	28♎46	19♉57	28♉ 4	6°R41	5♊14	6♋23	0♌ 0	11°R18	13♉31	7♐21	7♐17	8♓50	9♓59	T 1
W 2	16 42 18	11°24'11	12♏41	20°21	29°17	6♏31	5°28	6°30	0° 3	11♎17	13°33	7°21	7°14	8°57	10° 0	W 2
T 3	16 46 14	12°21'32	26°25	20°49	0♊31	6°22	5°42	6°38	0° 6	11°17	13°34	7°22	7°11	9° 4	10° 0	T 3
F 4	16 50 11	13°18'52	9♐54	21°22	1°44	6°14	5°56	6°45	0° 8	11°16	13°35	7°R22	7° 8	9°11	10° 1	F 4
S 5	16 54 7	14°16'11	23° 7	21°58	2°58	6° 6	6°10	6°52	0°11	11°16	13°36	7°22	7° 5	9°17	10° 2	S 5
S 6	16 58 4	15°13'29	6♑ 4	22°39	4°11	6° 0	6°24	7° 0	0°14	11°15	13°37	7°21	7° 1	9°24	10° 2	S 6
M 7	17 2 0	16°10'47	18°44	23°24	5°25	5°54	6°38	7° 7	0°17	11°15	13°39	7°20	6°58	9°31	10° 2	M 7
T 8	17 5 57	17° 8'04	1♒ 9	24°13	6°38	5°49	6°52	7°15	0°20	11°14	13°40	7°19	6°55	9°37	10° 3	T 8
W 9	17 9 54	18° 5'20	13°22	25° 6	7°51	5°45	7° 6	7°22	0°23	11°14	13°41	7°17	6°52	9°44	10° 3	W 9
T 10	17 13 50	19° 2'36	25°24	26° 2	9° 5	5°41	7°20	7°30	0°26	11°13	13°42	7°16	6°49	9°51	10° 3	T 10
F 11	17 17 47	19°59'52	7♓19	27° 2	10°18	5°39	7°33	7°38	0°29	11°13	13°43	7°15	6°45	9°58	10° 3	F 11
S 12	17 21 43	20°57'08	19°13	28° 6	11°32	5°37	7°47	7°45	0°32	11°13	13°44	7°D15	6°42	10° 4	10° 3	S 12
S 13	17 25 40	21°54'23	1♈ 8	29°14	12°45	5°36	8° 1	7°53	0°35	11°12	13°46	7°15	6°39	10°11	10°R 3	S 13
M14	17 29 36	22°51'38	13°11	0♊25	13°59	5°D36	8°15	8° 0	0°38	11°12	13°47	7°16	6°36	10°18	10° 3	M14
T 15	17 33 33	23°48'53	25°25	1°39	15°12	5°37	8°28	8° 8	0°41	11°12	13°48	7°17	6°33	10°24	10° 3	T 15
W16	17 37 29	24°46'07	7♉55	2°57	16°26	5°38	8°42	8°16	0°44	11°11	13°49	7°18	6°30	10°31	10° 3	W16
T 17	17 41 26	25°43'22	20°43	4°19	17°39	5°41	8°56	8°23	0°47	11°11	13°50	7°20	6°26	10°38	10° 3	T 17
F 18	17 45 23	26°40'36	3♊52	5°43	18°53	5°44	9° 9	8°31	0°50	11°11	13°51	7°R20	6°23	10°45	10° 3	F 18
S 19	17 49 19	27°37'50	17°22	7°11	20° 7	5°48	9°23	8°39	0°54	11°11	13°52	7°20	6°20	10°51	10° 2	S 19
S 20	17 53 16	28°35'04	1♋12	8°43	21°20	5°53	9°37	8°47	0°57	11°11	13°53	7°19	6°17	10°58	10° 2	S 20
M21	17 57 12	29°32'18	15°19	10°17	22°34	5°58	9°50	8°54	1° 0	11°11	13°54	7°17	6°14	11° 5	10° 1	M21
T 22	18 1 9	0♋29'31	29°39	11°55	23°47	6° 4	10° 4	9° 2	1° 3	11°D11	13°55	7°14	6°11	11°12	10° 1	T 22
W23	18 5 5	1°26'44	14♌ 7	13°36	25° 1	6°11	10°17	9°10	1° 7	11°11	13°56	7°10	6° 7	11°18	10° 0	W23
T 24	18 9 2	2°23'56	28°36	15°20	26°15	6°19	10°31	9°18	1°10	11°11	13°57	7° 7	6° 4	11°25	10° 0	T 24
F 25	18 12 59	3°21'08	13♍ 2	17° 7	27°28	6°28	10°44	9°25	1°13	11°11	13°58	7° 5	6° 1	11°32	9°59	F 25
S 26	18 16 55	4°18'20	27°21	18°57	28°42	6°37	10°57	9°33	1°17	11°11	13°59	7° 4	5°58	11°38	9°58	S 26
S 27	18 20 52	5°15'31	11♎29	20°50	29°55	6°47	11°11	9°41	1°20	11°11	14° 0	7°D 4	5°55	11°45	9°58	S 27
M28	18 24 48	6°12'42	25°25	22°46	1♋ 9	6°57	11°24	9°49	1°24	11°11	14° 1	7° 5	5°51	11°52	9°57	M28
T 29	18 28 45	7° 9'52	9♏ 9	24°44	2°23	7° 9	11°37	9°57	1°27	11°12	14° 2	7° 6	5°48	11°59	9°56	T 29
W30	18 32 41	8♋ 7'03	22♏39	26♊44	3♋36	7♏21	11♊51	10♋ 5	1♌31	11♎12	14♉ 2	7♐ 8	5♐45	12♓ 5	9♓55	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 4	14s 8	3s18	13n57	3s57	19n 0	0s47	14s45	1s 2	20n38	0s35	22n54	0s26	20n45	0n34	2s57	1n40	1n35	15s 1	21s35	21s34	3s30	2s53	5n21
W 2	22 12	17 47	2 13	14 3	3 57	19 18	0 45	14 44	1 5	20 41	0 35	22 53	0 26	20 44	0 34	2 56	1 40	1 35	15 1	21 35	21 34	3 28	2 53	5 21
T 3	22 19	20 22	1 0	14 11	3 57	19 36	0 43	14 43	1 7	20 43	0 35	22 53	0 26	20 44	0 34	2 56	1 40	1 35	15 1	21 35	21 33	3 25	2 52	5 21
F 4	22 27	21 45	0n14	14 21	3 55	19 53	0 41	14 43	1 9	20 46	0 35	22 53	0 26	20 43	0 34	2 56	1 40	1 35	15 1	21 35	21 33	3 23	2 52	5 21
S 5	22 33	21 52	1 26	14 33	3 52	20 10	0 39	14 42	1 11	20 48	0 35	22 53	0 26	20 43	0 34	2 56	1 40	1 36	15 1	21 35	21 32	3 20	2 52	5 22
S 6	22 40	20 49	2 32	14 47	3 49	20 26	0 36	14 42	1 13	20 51	0 35	22 52	0 26	20 42	0 34	2 56	1 40	1 36	15 1	21 35	21 32	3 18	2 51	5 22
M 7	22 46	18 43	3 30	15 2	3 45	20 41	0 34	14 42	1 16	20 53	0 35	22 52	0 26	20 41	0 34	2 55	1 40	1 36	15 1	21 35	21 31	3 15	2 51	5 22
T 8	22 52	15 47	4 16	15 19	3 40	20 56	0 32	14 42	1 18	20 56	0 35	22 52	0 26	20 41	0 34	2 55	1 40	1 36	15 1	21 34	21 30	3 13	2 50	5 22
W 9	22 57	12 13	4 49	15 37	3 34	21 11	0 29	14 43	1 20	20 58	0 35	22 51	0 26	20 40	0 34	2 55	1 40	1 36	15 2	21 34	21 30	3 10	2 50	5 23
T 10	23 2	8 13	5 9	15 57	3 27	21 25	0 27	14 44	1 22	21 0	0 35	22 51	0 26	20 39	0 34	2 55	1 40	1 37	15 2	21 34	21 29	3 8	2 50	5 23
F 11	23 7	3 57	5 16	16 17	3 20	21 38	0 25	14 45	1 24	21 3	0 35	22 51	0 25	20 39	0 34	2 55	1 40	1 37	15 2	21 34	21 29	3 5	2 49	5 23
S 12	23 11	0n28	5 9	16 39	3 12	21 50	0 22	14 46	1 25	21 5	0 35	22 50	0 25	20 38	0 34	2 55	1 40	1 37	15 2	21 34	21 28	3 3	2 49	5 23
S 13	23 14	4 52	4 49	17 2	3 4	22 2	0 20	14 47	1 27	21 7	0 35	22 50	0 25	20 37	0 34	2 55	1 40	1 37	15 2	21 34	21 28	3 0	2 49	5 24
M14	23 18	9 9	4 16	17 25	2 55	22 14	0 18	14 49	1 29	21 9	0 35	22 50	0 25	20 37	0 34	2 55	1 40	1 37	15 2	21 34	21 27	2 58	2 49	5 24
T 15	23 21	13 7	3 31	17 49	2 46	22 25	0 15	14 51	1 31	21 12	0 34	22 49	0 25	20 36	0 34	2 55	1 40	1 37	15 3	21 34	21 27	2 56	2 49	5 24
W16	23 23	16 37	2 35	18 14	2 36	22 35	0 13	14 53	1 32	21 14	0 34	22 49	0 25	20 35	0 34	2 55	1 39	1 38	15 3	21 34	21 26	2 53	2 48	5 24
T 17	23 25	19 25	1 30	18 40	2 26	22 44	0 10	14 55	1 34	21 16	0 34	22 48	0 25	20 35	0 34	2 55	1 39	1 38	15 3	21 35	21 26	2 51	2 48	5 25
F 18	23 27	21 17	0 19	19 5	2 15	22 53	0 8	14 58	1 36	21 18	0 34	22 48	0 25	20 34	0 34	2 55	1 39	1 38	15 3	21 35	21 25	2 48	2 48	5 25
S 19	23 28	21 58	0s55	19 31	2 4	23 1	0 6	15 1	1 37	21 20	0 34	22 48	0 25	20 33	0 34	2 55	1 39	1 38	15 3	21 35	21 25	2 46	2 48	5 25
S 20	23 29	21 21	2 8	19 56	1 53	23 9	0 3	15 4	1 39	21 22	0 34	22 47	0 25	20 33	0 34	2 55	1 39	1 38	15 3	21 34	21 24	2 43	2 48	5 25
M21	23 29	19 24	3 14	20 22	1 41	23 16	0 1	15 7	1 40	21 24	0 34	22 47	0 24	20 32	0 34	2 55	1 39	1 38	15 4	21 34	21 23	2 41	2 48	5 26
T 22	23 29	16 12	4 9	20 47	1 30	23 22	0n 2	15 10	1 42	21 27	0 34	22 46	0 24	20 31	0 34	2 55	1 39	1 38	15 4	21 34	21 23	2 38	2 48	5 26
W23	23 29	12 1	4 49	21 12	1 18	23 28	0 4	15 14	1 43	21 29	0 34	22 46	0 24	20 30	0 34	2 55	1 39	1 38	15 4	21 33	21 22	2 36	2 48	5 26
T 24	23 28	7 8	5 10	21 36	1 6	23 32	0 6	15 18	1 45	21 31	0 34	22 46	0 24	20 30	0 34	2 55	1 39	1 38	15 4	21 33	21 22	2 33	2 48	5 26
F 25	23 27	1 52	5 12	21 58	0 54	23 36	0 9	15 22	1 46	21 33	0 34	22 45	0 24	20 29	0 34	2 55	1 39	1 38	15 4	21 32	21 21	2 31	2 48	5 27
S 26	23 25	3s26	4 54	22 20	0 41	23 40	0 11	15 26	1 47	21 34	0 34	22 45	0 24	20 28	0 34	2 55	1 39	1 38	15 5	21 32	21 21	2 28	2 48	5 27
S 27	23 23	8 31	4 19	22 41	0 29	23 43	0 13	15 31	1 48	21 36	0 34	22 44	0 24	20 27	0 34	2 55	1 39	1 39	15 5	21 32	21 20	2 26	2 48	5 27
M28	23 20	13 5	3 29	23 0	0 18	23 45	0 16	15 35	1 50	21 38	0 34	22 44	0 24	20 27	0 34	2 55	1 39	1 39	15 5	21 32	21 20	2 24	2 48	5 27
T 29	23 18	16 54	2 27	23 17	0 6	23 46	0 18	15 40	1 51	21 40	0 34	22 43	0 24	20 26	0 34	2 55	1 39	1 39	15 5	21 32	21 19	2 21	2 48	5 28
W30	23n14	19s44	1s18	23n32	0n 5	23n47	0n20	15s45	1s52	21n42	0s34	22n43	0s24	20n25	0n34	2s55	1n39	1n39	15s 6	21s33	21s18	2s19	2s48	5n28

Julian Day Number = 2313269.5, Delta T = 65.26 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'23, Lahiri = 18°34'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

JULY 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 36 38	9♋ 4'13	5♐57	28♊47	4♋50	7♏33	12♊ 4	10♋12	1♌34	11♎12	14♉ 3	7°R 8	5♐42	12♓12	9°R54	T 1
F 2	18 40 34	10° 1'23	19° 2	0♋51	6° 4	7°47	12°17	10°20	1°37	11°12	14° 4	7♐ 8	5°39	12°19	9♓53	F 2
S 3	18 44 31	10°58'33	1♑55	2°57	7°18	8° 1	12°30	10°28	1°41	11°13	14° 5	7° 6	5°36	12°26	9°52	S 3
S 4	18 48 28	11°55'44	14°36	5° 4	8°31	8°15	12°43	10°36	1°44	11°13	14° 6	7° 2	5°32	12°32	9°51	S 4
M 5	18 52 24	12°52'54	27° 5	7°12	9°45	8°31	12°56	10°44	1°48	11°13	14° 7	6°57	5°29	12°39	9°50	M 5
T 6	18 56 21	13°50'05	9♒22	9°20	10°59	8°46	13° 9	10°51	1°52	11°14	14° 7	6°50	5°26	12°46	9°48	T 6
W 7	19 0 17	14°47'16	21°30	11°30	12°12	9° 3	13°22	10°59	1°55	11°14	14° 8	6°44	5°23	12°52	9°47	W 7
T 8	19 4 14	15°44'27	3♓29	13°39	13°26	9°20	13°35	11° 7	1°59	11°15	14° 9	6°37	5°20	12°59	9°46	T 8
F 9	19 8 10	16°41'39	15°23	15°48	14°40	9°37	13°47	11°15	2° 2	11°15	14°10	6°32	5°16	13° 6	9°44	F 9
S 10	19 12 7	17°38'52	27°16	17°57	15°54	9°55	14° 0	11°23	2° 6	11°16	14°10	6°28	5°13	13°13	9°43	S 10
S 11	19 16 3	18°36'05	9♈10	20° 5	17° 8	10°14	14°13	11°30	2°10	11°16	14°11	6°26	5°10	13°19	9°41	S 11
M12	19 20 0	19°33'19	21°11	22°12	18°21	10°33	14°25	11°38	2°13	11°17	14°12	6°D26	5° 7	13°26	9°40	M12
T 13	19 23 57	20°30'33	3♉23	24°18	19°35	10°53	14°38	11°46	2°17	11°18	14°12	6°26	5° 4	13°33	9°38	T 13
W14	19 27 53	21°27'49	15°52	26°23	20°49	11°13	14°50	11°54	2°20	11°18	14°13	6°28	5° 1	13°39	9°36	W14
T 15	19 31 50	22°25'05	28°42	28°26	22° 3	11°34	15° 3	12° 1	2°24	11°19	14°13	6°29	4°57	13°46	9°35	T 15
F 16	19 35 46	23°22'22	11♊56	0♌29	23°17	11°55	15°15	12° 9	2°28	11°20	14°14	6°R29	4°54	13°53	9°33	F 16
S 17	19 39 43	24°19'39	25°35	2°29	24°31	12°17	15°27	12°17	2°31	11°21	14°15	6°27	4°51	14° 0	9°31	S 17
S 18	19 43 39	25°16'58	9♋41	4°28	25°45	12°39	15°40	12°25	2°35	11°21	14°15	6°24	4°48	14° 6	9°29	S 18
M19	19 47 36	26°14'17	24° 9	6°26	26°59	13° 1	15°52	12°32	2°39	11°22	14°16	6°18	4°45	14°13	9°28	M19
T 20	19 51 32	27°11'37	8♌54	8°22	28°13	13°25	16° 4	12°40	2°42	11°23	14°16	6°11	4°42	14°20	9°26	T 20
W21	19 55 29	28° 8'57	23°48	10°16	29°27	13°48	16°16	12°48	2°46	11°24	14°17	6° 3	4°38	14°27	9°24	W21
T 22	19 59 26	29° 6'18	8♍41	12° 9	0♌41	14°12	16°28	12°55	2°50	11°25	14°17	5°56	4°35	14°33	9°22	T 22
F 23	20 3 22	0♌ 3'40	23°27	13°59	1°55	14°37	16°40	13° 3	2°54	11°26	14°18	5°49	4°32	14°40	9°20	F 23
S 24	20 7 19	1° 1'02	7♎58	15°49	3° 9	15° 2	16°52	13°11	2°57	11°27	14°18	5°45	4°29	14°47	9°18	S 24
S 25	20 11 15	1°58'24	22°11	17°36	4°23	15°27	17° 3	13°18	3° 1	11°28	14°19	5°43	4°26	14°53	9°15	S 25
M26	20 15 12	2°55'47	6♏ 4	19°22	5°37	15°53	17°15	13°26	3° 5	11°29	14°19	5°D43	4°22	15° 0	9°13	M26
T 27	20 19 8	3°53'11	19°37	21° 6	6°51	16°19	17°26	13°33	3° 8	11°30	14°19	5°43	4°19	15° 7	9°11	T 27
W28	20 23 5	4°50'35	2♐52	22°49	8° 5	16°46	17°38	13°41	3°12	11°31	14°20	5°R44	4°16	15°14	9° 9	W28
T 29	20 27 1	5°48'00	15°51	24°29	9°19	17°13	17°49	13°48	3°16	11°32	14°20	5°44	4°13	15°20	9° 7	T 29
F 30	20 30 58	6°45'26	28°37	26° 9	10°33	17°40	18° 1	13°56	3°19	11°33	14°20	5°41	4°10	15°27	9° 4	F 30
S 31	20 34 55	7♌42'53	11♑12	27♌46	11♌47	18♏ 8	18♊12	14♋ 3	3♌23	11♎35	14♉21	5♐36	4♐ 7	15♓34	9♓ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n11	21s27	0s 7	23n45	0n16	23n47	0n23	15s50	1s53	21n44	0s34	22n42	0s24	20n24	0n34	2s56	1n39	1n39	15s 6	21s33	21s18	2s16	2s48	5n28
F 2	23 6	21 58	1n 5	23 56	0 27	23 46	0 25	15 56	1 54	21 45	0 33	22 42	0 23	20 24	0 34	2 56	1 39	1 39	15 6	21 33	21 17	2 14	2 48	5 28
S 3	23 2	21 17	2 11	24 5	0 37	23 44	0 27	16 1	1 55	21 47	0 33	22 41	0 23	20 23	0 34	2 56	1 39	1 39	15 6	21 32	21 17	2 11	2 49	5 29
S 4	22 57	19 32	3 10	24 10	0 47	23 42	0 30	16 7	1 56	21 49	0 33	22 41	0 23	20 22	0 34	2 56	1 39	1 39	15 6	21 32	21 16	2 9	2 49	5 29
M 5	22 52	16 53	3 58	24 13	0 56	23 39	0 32	16 13	1 57	21 51	0 33	22 40	0 23	20 21	0 34	2 56	1 39	1 39	15 7	21 31	21 16	2 6	2 49	5 29
T 6	22 46	13 31	4 35	24 14	1 4	23 36	0 34	16 19	1 58	21 52	0 33	22 40	0 23	20 20	0 34	2 57	1 38	1 39	15 7	21 30	21 15	2 4	2 49	5 29
W 7	22 40	9 39	4 59	24 11	1 12	23 31	0 36	16 25	1 59	21 54	0 33	22 39	0 23	20 20	0 34	2 57	1 38	1 39	15 7	21 29	21 15	2 2	2 50	5 29
T 8	22 33	5 26	5 9	24 6	1 19	23 26	0 38	16 31	2 0	21 56	0 33	22 38	0 23	20 19	0 34	2 57	1 38	1 39	15 7	21 28	21 14	1 59	2 50	5 30
F 9	22 27	1 4	5 6	23 58	1 25	23 21	0 40	16 38	2 1	21 57	0 33	22 38	0 23	20 18	0 34	2 57	1 38	1 39	15 8	21 27	21 13	1 57	2 50	5 30
S 10	22 19	3n20	4 50	23 47	1 31	23 14	0 42	16 44	2 2	21 59	0 33	22 37	0 23	20 17	0 34	2 57	1 38	1 38	15 8	21 26	21 13	1 54	2 51	5 30
S 11	22 12	7 38	4 21	23 34	1 36	23 7	0 44	16 51	2 3	22 0	0 33	22 37	0 23	20 16	0 34	2 58	1 38	1 38	15 8	21 26	21 12	1 52	2 51	5 30
M12	22 4	11 41	3 40	23 18	1 40	23 0	0 46	16 58	2 3	22 2	0 33	22 36	0 23	20 15	0 34	2 58	1 38	1 38	15 8	21 26	21 12	1 49	2 51	5 31
T 13	21 55	15 19	2 49	22 59	1 43	22 51	0 48	17 5	2 4	22 3	0 33	22 35	0 23	20 15	0 34	2 58	1 38	1 38	15 9	21 26	21 11	1 47	2 52	5 31
W14	21 46	18 22	1 49	22 39	1 45	22 42	0 50	17 12	2 5	22 5	0 33	22 35	0 22	20 14	0 34	2 59	1 38	1 38	15 9	21 26	21 11	1 44	2 52	5 31
T 15	21 37	20 35	0 42	22 16	1 47	22 32	0 52	17 19	2 5	22 6	0 33	22 34	0 22	20 13	0 34	2 59	1 38	1 38	15 9	21 26	21 10	1 42	2 53	5 31
F 16	21 28	21 47	0s29	21 51	1 48	22 22	0 54	17 26	2 6	22 7	0 33	22 34	0 22	20 12	0 34	2 59	1 38	1 38	15 10	21 26	21 9	1 40	2 53	5 31
S 17	21 18	21 44	1 41	21 24	1 49	22 11	0 56	17 34	2 7	22 9	0 33	22 33	0 22	20 11	0 34	3 0	1 38	1 38	15 10	21 26	21 9	1 37	2 54	5 31
S 18	21 7	20 19	2 49	20 56	1 48	21 59	0 58	17 41	2 7	22 10	0 33	22 32	0 22	20 10	0 34	3 0	1 38	1 38	15 10	21 25	21 8	1 35	2 54	5 32
M19	20 57	17 35	3 48	20 26	1 47	21 46	0 59	17 49	2 8	22 12	0 33	22 32	0 22	20 10	0 34	3 0	1 38	1 38	15 10	21 24	21 8	1 32	2 55	5 32
T 20	20 46	13 41	4 32	19 55	1 46	21 33	1 1	17 56	2 9	22 13	0 33	22 31	0 22	20 9	0 34	3 1	1 38	1 38	15 11	21 23	21 7	1 30	2 55	5 32
W21	20 34	8 54	4 59	19 22	1 44	21 20	1 3	18 4	2 9	22 14	0 33	22 30	0 22	20 8	0 34	3 1	1 38	1 38	15 11	21 22	21 7	1 27	2 56	5 32
T 22	20 23	3 36	5 6	18 48	1 41	21 6	1 4	18 12	2 10	22 15	0 33	22 30	0 22	20 7	0 34	3 2	1 38	1 37	15 11	21 20	21 6	1 25	2 56	5 32
F 23	20 11	1s52	4 52	18 13	1 38	20 51	1 6	18 20	2 10	22 17	0 33	22 29	0 22	20 6	0 34	3 2	1 38	1 37	15 11	21 19	21 5	1 23	2 57	5 32
S 24	19 58	7 8	4 19	17 37	1 34	20 35	1 7	18 28	2 11	22 18	0 33	22 28	0 22	20 5	0 34	3 2	1 38	1 37	15 12	21 19	21 5	1 20	2 58	5 33
S 25	19 46	11 55	3 31	17 1	1 30	20 19	1 9	18 36	2 11	22 19	0 33	22 28	0 22	20 5	0 34	3 3	1 38	1 37	15 12	21 18	21 4	1 18	2 58	5 33
M26	19 33	15 57	2 32	16 23	1 25	20 2	1 10	18 44	2 12	22 20	0 33	22 27	0 22	20 4	0 34	3 3	1 38	1 37	15 12	21 18	21 4	1 15	2 59	5 33
T 27	19 19	19 2	1 25	15 45	1 20	19 45	1 11	18 52	2 12	22 21	0 32	22 26	0 21	20 3	0 34	3 4	1 37	1 37	15 13	21 18	21 3	1 13	3 0	5 33
W28	19 6	21 1	0 15	15 7	1 14	19 27	1 13	19 0	2 13	22 22	0 32	22 26	0 21	20 2	0 34	3 4	1 37	1 36	15 13	21 18	21 2	1 10	3 0	5 33
T 29	18 52	21 51	0n54	14 27	1 8	19 9	1 14	19 8	2 13	22 23	0 32	22 25	0 21	20 1	0 34	3 5	1 37	1 36	15 13	21 18	21 2	1 8	3 1	5 33
F 30	18 37	21 30	1 59	13 48	1 2	18 50	1 15	19 16	2 13	22 24	0 32	22 24	0 21	20 0	0 34	3 5	1 37	1 36	15 13	21 18	21 1	1 6	3 2	5 33
S 31	18n23	20s 4	2n57	13n 8	0n55	18n31	1n16	19s24	2s14	22n25	0s32	22n24	0s21	19n59	0n34	3s 6	1n37	1n36	15s14	21s17	21s 1	1s 3	3s 3	5n34

Julian Day Number = 2313299.5, Delta T = 65.18 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'27, Lahiri = 18°34'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

AUGUST 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 38 51	8♌40'20	23♉36	29♌22	13♌ 1	18♏36	18♊23	14♋10	3♌27	11♎36	14♉21	5°R29	4♐ 3	15♓40	9°R 0	S 1
M 2	20 42 48	9°37'49	5♒52	0♍56	14°15	19° 4	18°34	14°18	3°31	11°37	14°21	5♐19	4° 0	15°47	8♓57	M 2
T 3	20 46 44	10°35'18	17°59	2°29	15°29	19°33	18°45	14°25	3°34	11°38	14°21	5° 8	3°57	15°54	8°55	T 3
W 4	20 50 41	11°32'49	0♓ 1	4° 0	16°43	20° 2	18°56	14°32	3°38	11°40	14°22	4°56	3°54	16° 1	8°52	W 4
T 5	20 54 37	12°30'21	11°56	5°29	17°57	20°32	19° 7	14°39	3°42	11°41	14°22	4°44	3°51	16° 7	8°50	T 5
F 6	20 58 34	13°27'54	23°48	6°57	19°11	21° 1	19°18	14°47	3°45	11°42	14°22	4°34	3°48	16°14	8°47	F 6
S 7	21 2 30	14°25'28	5♈39	8°23	20°25	21°32	19°28	14°54	3°49	11°44	14°22	4°25	3°44	16°21	8°45	S 7
S 8	21 6 27	15°23'04	17°32	9°48	21°40	22° 2	19°39	15° 1	3°53	11°45	14°22	4°19	3°41	16°28	8°42	S 8
M 9	21 10 24	16°20'41	29°32	11°10	22°54	22°33	19°49	15° 8	3°56	11°46	14°22	4°16	3°38	16°34	8°39	M 9
T 10	21 14 20	17°18'20	11♉41	12°31	24° 8	23° 4	19°59	15°15	4° 0	11°48	14°23	4°15	3°35	16°41	8°37	T 10
W11	21 18 17	18°16'00	24° 7	13°50	25°22	23°35	20°10	15°22	4° 3	11°49	14°23	4°D15	3°32	16°48	8°34	W11
T 12	21 22 13	19°13'42	6♊53	15° 8	26°36	24° 7	20°20	15°29	4° 7	11°51	14°23	4°R15	3°28	16°54	8°31	T 12
F 13	21 26 10	20°11'26	20° 4	16°23	27°50	24°39	20°30	15°36	4°11	11°52	14°23	4°14	3°25	17° 1	8°29	F 13
S 14	21 30 6	21° 9'12	3♋44	17°36	29° 5	25°11	20°40	15°43	4°14	11°54	14°R23	4°11	3°22	17° 8	8°26	S 14
S 15	21 34 3	22° 6'59	17°53	18°48	0♍19	25°44	20°49	15°50	4°18	11°55	14°23	4° 6	3°19	17°15	8°23	S 15
M16	21 37 59	23° 4'47	2♌29	19°57	1°33	26°16	20°59	15°57	4°21	11°57	14°23	3°58	3°16	17°21	8°20	M16
T 17	21 41 56	24° 2'37	17°28	21° 4	2°47	26°49	21° 9	16° 3	4°25	11°59	14°23	3°48	3°13	17°28	8°18	T 17
W18	21 45 53	25° 0'29	2♍39	22° 9	4° 2	27°23	21°18	16°10	4°28	12° 0	14°23	3°37	3° 9	17°35	8°15	W18
T 19	21 49 49	25°58'22	17°52	23°12	5°16	27°56	21°28	16°17	4°32	12° 2	14°22	3°27	3° 6	17°41	8°12	T 19
F 20	21 53 46	26°56'16	2♎58	24°12	6°30	28°30	21°37	16°23	4°35	12° 4	14°22	3°18	3° 3	17°48	8° 9	F 20
S 21	21 57 42	27°54'12	17°45	25° 9	7°44	29° 4	21°46	16°30	4°39	12° 5	14°22	3°11	3° 0	17°55	8° 6	S 21
S 22	22 1 39	28°52'09	2♏10	26° 3	8°59	29°39	21°55	16°36	4°42	12° 7	14°22	3° 7	2°57	18° 2	8° 4	S 22
M23	22 5 35	29°50'07	16° 8	26°55	10°13	0♐14	22° 4	16°43	4°46	12° 9	14°22	3° 5	2°54	18° 8	8° 1	M23
T 24	22 9 32	0♍48'07	29°41	27°43	11°27	0°48	22°12	16°49	4°49	12°11	14°22	3° 5	2°50	18°15	7°58	T 24
W25	22 13 28	1°46'08	12♐52	28°28	12°41	1°24	22°21	16°56	4°53	12°12	14°21	3° 5	2°47	18°22	7°55	W25
T 26	22 17 25	2°44'11	25°42	29°10	13°56	1°59	22°29	17° 2	4°56	12°14	14°21	3° 4	2°44	18°28	7°52	T 26
F 27	22 21 22	3°42'15	8♑16	29°47	15°10	2°34	22°38	17° 8	4°59	12°16	14°21	3° 1	2°41	18°35	7°49	F 27
S 28	22 25 18	4°40'20	20°38	0♎21	16°24	3°10	22°46	17°14	5° 3	12°18	14°21	2°55	2°38	18°42	7°46	S 28
S 29	22 29 15	5°38'27	2♒50	0°50	17°39	3°46	22°54	17°20	5° 6	12°20	14°20	2°46	2°34	18°49	7°43	S 29
M30	22 33 11	6°36'35	14°55	1°15	18°53	4°23	23° 2	17°26	5° 9	12°22	14°20	2°35	2°31	18°55	7°40	M30
T 31	22 37 8	7♍34'45	26♒55	1♎34	20♍ 7	4♐59	23♊10	17♋32	5♌13	12♎24	14♉20	2♐21	2♐28	19♓ 2	7♓38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 8	17s42	3n46	12n28	0n48	18n11	1n17	19s32	2s14	22n26	0s32	22n23	0s21	19n59	0n34	3s 6	1n37	1n36	15s14	21s16	21s 0	1s 1	3s 3	5n34
M 2	17 53	14 35	4 24	11 48	0 41	17 50	1 18	19 41	2 14	22 27	0 32	22 22	0 21	19 58	0 34	3 7	1 37	1 35	15 14	21 14	20 59	0 58	3 4	5 34
T 3	17 37	10 53	4 49	11 8	0 33	17 29	1 19	19 49	2 15	22 28	0 32	22 22	0 21	19 57	0 34	3 7	1 37	1 35	15 15	21 12	20 59	0 56	3 5	5 34
W 4	17 21	6 48	5 1	10 28	0 26	17 8	1 20	19 57	2 15	22 29	0 32	22 21	0 21	19 56	0 34	3 8	1 37	1 35	15 15	21 10	20 58	0 53	3 6	5 34
T 5	17 5	2 29	5 0	9 47	0 17	16 46	1 21	20 5	2 15	22 30	0 32	22 20	0 21	19 55	0 34	3 8	1 37	1 35	15 15	21 8	20 58	0 51	3 7	5 34
F 6	16 49	1n54	4 45	9 7	0 9	16 24	1 22	20 14	2 15	22 31	0 32	22 19	0 21	19 54	0 34	3 9	1 37	1 35	15 15	21 6	20 57	0 49	3 8	5 34
S 7	16 32	6 13	4 19	8 27	0 1	16 1	1 22	20 22	2 16	22 32	0 32	22 19	0 21	19 54	0 34	3 9	1 37	1 34	15 16	21 4	20 56	0 46	3 8	5 34
S 8	16 15	10 18	3 41	7 47	0s 8	15 37	1 23	20 30	2 16	22 33	0 32	22 18	0 21	19 53	0 34	3 10	1 37	1 34	15 16	21 3	20 56	0 44	3 9	5 34
M 9	15 58	14 1	2 53	7 8	0 17	15 14	1 24	20 38	2 16	22 34	0 32	22 17	0 20	19 52	0 34	3 11	1 37	1 34	15 16	21 2	20 55	0 41	3 10	5 34
T 10	15 41	17 13	1 57	6 28	0 26	14 50	1 24	20 46	2 16	22 35	0 32	22 17	0 20	19 51	0 34	3 11	1 37	1 34	15 17	21 2	20 55	0 39	3 11	5 34
W11	15 23	19 42	0 54	5 49	0 36	14 25	1 25	20 54	2 16	22 35	0 32	22 16	0 20	19 50	0 34	3 12	1 37	1 33	15 17	21 2	20 54	0 37	3 12	5 35
T 12	15 5	21 16	0s14	5 11	0 45	14 0	1 25	21 3	2 17	22 36	0 32	22 15	0 20	19 49	0 34	3 12	1 37	1 33	15 17	21 2	20 53	0 34	3 13	5 35
F 13	14 47	21 44	1 23	4 33	0 55	13 35	1 25	21 11	2 17	22 37	0 32	22 14	0 20	19 48	0 34	3 13	1 37	1 33	15 17	21 2	20 53	0 32	3 14	5 35
S 14	14 29	20 57	2 29	3 55	1 4	13 9	1 26	21 19	2 17	22 38	0 32	22 14	0 20	19 48	0 34	3 14	1 37	1 33	15 18	21 2	20 52	0 29	3 15	5 35
S 15	14 10	18 50	3 29	3 18	1 14	12 43	1 26	21 27	2 17	22 38	0 32	22 13	0 20	19 47	0 34	3 14	1 37	1 32	15 18	21 1	20 52	0 27	3 16	5 35
M16	13 51	15 28	4 17	2 42	1 24	12 17	1 26	21 35	2 17	22 39	0 32	22 12	0 20	19 46	0 34	3 15	1 37	1 32	15 18	20 59	20 51	0 24	3 17	5 35
T 17	13 32	11 3	4 49	2 7	1 34	11 50	1 26	21 43	2 17	22 40	0 32	22 11	0 20	19 45	0 34	3 16	1 37	1 32	15 19	20 57	20 50	0 22	3 18	5 35
W18	13 13	5 52	5 1	1 32	1 44	11 23	1 26	21 50	2 17	22 40	0 32	22 11	0 20	19 44	0 34	3 16	1 37	1 31	15 19	20 55	20 50	0 20	3 19	5 35
T 19	12 53	0 20	4 51	0 58	1 53	10 56	1 26	21 58	2 17	22 41	0 32	22 10	0 20	19 43	0 34	3 17	1 37	1 31	15 19	20 53	20 49	0 17	3 20	5 35
F 20	12 33	5s11	4 22	0 25	2 3	10 28	1 26	22 6	2 17	22 41	0 32	22 9	0 20	19 43	0 34	3 18	1 37	1 31	15 19	20 51	20 49	0 15	3 21	5 35
S 21	12 14	10 17	3 35	0s 6	2 13	10 0	1 26	22 13	2 17	22 42	0 32	22 8	0 20	19 42	0 34	3 18	1 37	1 31	15 20	20 50	20 48	0 12	3 22	5 35
S 22	11 53	14 41	2 36	0 37	2 23	9 32	1 25	22 21	2 17	22 43	0 32	22 8	0 20	19 41	0 34	3 19	1 36	1 30	15 20	20 49	20 47	0 10	3 23	5 35
M23	11 33	18 7	1 28	1 6	2 33	9 4	1 25	22 28	2 17	22 43	0 32	22 7	0 20	19 40	0 34	3 20	1 36	1 30	15 20	20 49	20 47	0 8	3 24	5 35
T 24	11 13	20 25	0 18	1 34	2 42	8 35	1 25	22 36	2 17	22 44	0 32	22 6	0 19	19 39	0 34	3 21	1 36	1 30	15 21	20 49	20 46	0 5	3 25	5 35
W25	10 52	21 32	0n51	2 1	2 52	8 6	1 24	22 43	2 17	22 44	0 32	22 6	0 19	19 39	0 35	3 21	1 36	1 29	15 21	20 49	20 46	0 3	3 26	5 35
T 26	10 31	21 29	1 56	2 26	3 1	7 37	1 24	22 50	2 17	22 45	0 32	22 5	0 19	19 38	0 35	3 22	1 36	1 29	15 21	20 49	20 45	0 0	3 27	5 35
F 27	10 10	20 20	2 54	2 49	3 10	7 8	1 23	22 57	2 17	22 45	0 32	22 4	0 19	19 37	0 35	3 23	1 36	1 29	15 21	20 48	20 44	0n 2	3 28	5 35
S 28	9 49	18 14	3 43	3 10	3 18	6 38	1 22	23 4	2 17	22 46	0 32	22 3	0 19	19 36	0 35	3 24	1 36	1 28	15 22	20 47	20 44	0 4	3 30	5 35
S 29	9 28	15 20	4 20	3 29	3 26	6 9	1 22	23 11	2 17	22 46	0 32	22 3	0 19	19 35	0 35	3 24	1 36	1 28	15 22	20 45	20 43	0 7	3 31	5 35
M30	9 6	11 50	4 46	3 46	3 34	5 39	1 21	23 18	2 17	22 47	0 32	22 2	0 19	19 35	0 35	3 25	1 36	1 28	15 22	20 43	20 42	0 9	3 32	5 35
T 31	8n45	7s53	4n58	4s 1	3s42	5n 9	1n20	23s25	2s17	22n47	0s32	22n 1	0s19	19n34	0n35	3s26	1n36	1n27	15s23	20s40	20s42	0n11	3s33	5n35

Julian Day Number = 2313330.5, Delta T = 65.11 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'31, Lahiri = 18°34'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

SEPTEMBER 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 41 4	8♍32'57	8♓50	1♎49	21♍21	5♐36	23♊18	17♋38	5♌16	12♎25	14°R19	2°R 7	2♐25	19♓ 9	7°R35	W 1
T 2	22 45 1	9°31'10	20°43	1°58	22°36	6°12	23°25	17°44	5°19	12°27	14♉19	1♐54	2°22	19°15	7♓32	T 2
F 3	22 48 57	10°29'25	2♈35	2°R 1	23°50	6°50	23°32	17°50	5°22	12°29	14°19	1°41	2°19	19°22	7°29	F 3
S 4	22 52 54	11°27'42	14°27	1°58	25° 4	7°27	23°40	17°56	5°26	12°31	14°18	1°31	2°15	19°29	7°26	S 4
S 5	22 56 50	12°26'01	26°21	1°49	26°19	8° 4	23°47	18° 1	5°29	12°33	14°18	1°24	2°12	19°36	7°23	S 5
M 6	23 0 47	13°24'23	8♉22	1°33	27°33	8°42	23°54	18° 7	5°32	12°35	14°17	1°20	2° 9	19°42	7°20	M 6
T 7	23 4 44	14°22'46	20°32	1°10	28°47	9°20	24° 1	18°12	5°35	12°37	14°17	1°18	2° 6	19°49	7°17	T 7
W 8	23 8 40	15°21'11	2♊57	0°41	0♎ 1	9°58	24° 7	18°18	5°38	12°39	14°16	1°D17	2° 3	19°56	7°14	W 8
T 9	23 12 37	16°19'39	15°39	0° 5	1°16	10°36	24°14	18°23	5°41	12°41	14°16	1°R17	1°59	20° 2	7°11	T 9
F 10	23 16 33	17°18'09	28°45	29♍22	2°30	11°14	24°20	18°28	5°44	12°43	14°15	1°17	1°56	20° 9	7° 9	F 10
S 11	23 20 30	18°16'41	12♋18	28°34	3°44	11°53	24°26	18°34	5°47	12°45	14°15	1°15	1°53	20°16	7° 6	S 11
S 12	23 24 26	19°15'15	26°20	27°40	4°59	12°31	24°32	18°39	5°50	12°48	14°14	1°10	1°50	20°23	7° 3	S 12
M13	23 28 23	20°13'51	10♌51	26°42	6°13	13°10	24°38	18°44	5°53	12°50	14°14	1° 4	1°47	20°29	7° 0	M13
T 14	23 32 19	21°12'30	25°46	25°40	7°27	13°49	24°44	18°49	5°56	12°52	14°13	0°55	1°44	20°36	6°57	T 14
W15	23 36 16	22°11'11	10♍59	24°36	8°42	14°29	24°50	18°54	5°59	12°54	14°12	0°45	1°40	20°43	6°55	W15
T 16	23 40 13	23° 9'53	26°19	23°32	9°56	15° 8	24°55	18°58	6° 1	12°56	14°12	0°35	1°37	20°50	6°52	T 16
F 17	23 44 9	24° 8'38	11♎34	22°28	11°10	15°47	25° 0	19° 3	6° 4	12°58	14°11	0°26	1°34	20°56	6°49	F 17
S 18	23 48 6	25° 7'24	26°34	21°26	12°25	16°27	25° 5	19° 8	6° 7	13° 0	14°10	0°20	1°31	21° 3	6°46	S 18
S 19	23 52 2	26° 6'13	11♏10	20°28	13°39	17° 7	25°10	19°12	6°10	13° 2	14°10	0°16	1°28	21°10	6°44	S 19
M20	23 55 59	27° 5'03	25°19	19°36	14°53	17°47	25°15	19°17	6°12	13° 5	14° 9	0°D15	1°25	21°16	6°41	M20
T 21	23 59 55	28° 3'55	9♐ 0	18°51	16° 8	18°27	25°19	19°21	6°15	13° 7	14° 8	0°15	1°21	21°23	6°38	T 21
W22	0 3 52	29° 2'48	22°14	18°14	17°22	19° 8	25°24	19°26	6°17	13° 9	14° 8	0°15	1°18	21°30	6°36	W22
T 23	0 7 48	0♎ 1'44	5♑ 4	17°46	18°36	19°48	25°28	19°30	6°20	13°11	14° 7	0°R15	1°15	21°37	6°33	T 23
F 24	0 11 45	1° 0'41	17°36	17°27	19°50	20°29	25°32	19°34	6°23	13°13	14° 6	0°14	1°12	21°43	6°31	F 24
S 25	0 15 42	1°59'40	29°52	17°D19	21° 5	21° 9	25°36	19°38	6°25	13°15	14° 5	0°10	1° 9	21°50	6°28	S 25
S 26	0 19 38	2°58'41	11♒58	17°21	22°19	21°50	25°39	19°42	6°27	13°18	14° 4	0° 4	1° 5	21°57	6°25	S 26
M27	0 23 35	3°57'43	23°57	17°34	23°33	22°31	25°43	19°46	6°30	13°20	14° 4	29♏56	1° 2	22° 3	6°23	M27
T 28	0 27 31	4°56'48	5♓51	17°57	24°48	23°12	25°46	19°50	6°32	13°22	14° 3	29°46	0°59	22°10	6°21	T 28
W29	0 31 28	5°55'54	17°43	18°29	26° 2	23°54	25°49	19°53	6°34	13°24	14° 2	29°35	0°56	22°17	6°18	W29
T 30	0 35 24	6♎55'02	29♓36	19♍11	27♎16	24♐35	25♊52	19♋57	6♌37	13♎27	14♉ 1	29♏25	0♐53	22♓23	6♓16	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n23	3s40	4n58	4s13	3s48	4n39	1n19	23s31	2s16	22n47	0s32	22n 1	0s19	19n33	0n35	3s27	1n36	1n27	15s23	20s38	20s41	0n14	3s34	5n34
T 2	8 1	0n40	4 44	4 22	3 54	4 8	1 18	23 38	2 16	22 48	0 32	22 0	0 19	19 32	0 35	3 27	1 36	1 26	15 23	20 35	20 41	0 16	3 35	5 34
F 3	7 39	4 58	4 18	4 28	4 0	3 38	1 17	23 44	2 16	22 48	0 32	21 59	0 19	19 32	0 35	3 28	1 36	1 26	15 23	20 32	20 40	0 19	3 36	5 34
S 4	7 17	9 6	3 41	4 31	4 4	3 7	1 16	23 50	2 16	22 48	0 32	21 59	0 19	19 31	0 35	3 29	1 36	1 26	15 24	20 30	20 39	0 21	3 37	5 34
S 5	6 55	12 53	2 54	4 30	4 7	2 37	1 15	23 56	2 16	22 49	0 32	21 58	0 19	19 30	0 35	3 30	1 36	1 25	15 24	20 29	20 39	0 23	3 39	5 34
M 6	6 32	16 11	1 58	4 26	4 9	2 6	1 13	24 2	2 16	22 49	0 32	21 57	0 19	19 29	0 35	3 30	1 36	1 25	15 24	20 28	20 38	0 26	3 40	5 34
T 7	6 10	18 50	0 57	4 17	4 10	1 35	1 12	24 7	2 15	22 50	0 32	21 56	0 19	19 29	0 35	3 31	1 36	1 25	15 24	20 28	20 37	0 28	3 41	5 34
W 8	5 47	20 39	0s 9	4 5	4 10	1 4	1 11	24 13	2 15	22 50	0 32	21 56	0 18	19 28	0 35	3 32	1 36	1 24	15 25	20 28	20 37	0 31	3 42	5 34
T 9	5 24	21 28	1 15	3 49	4 7	0 33	1 9	24 18	2 15	22 50	0 32	21 55	0 18	19 27	0 35	3 33	1 36	1 24	15 25	20 28	20 36	0 33	3 43	5 34
F 10	5 2	21 9	2 20	3 28	4 4	0 2	1 8	24 24	2 15	22 50	0 32	21 54	0 18	19 26	0 35	3 34	1 36	1 23	15 25	20 27	20 35	0 35	3 44	5 34
S 11	4 39	19 36	3 19	3 4	3 58	0s28	1 6	24 29	2 14	22 51	0 32	21 54	0 18	19 26	0 35	3 35	1 36	1 23	15 25	20 27	20 35	0 38	3 46	5 33
S 12	4 16	16 51	4 9	2 35	3 50	0 59	1 5	24 34	2 14	22 51	0 32	21 53	0 18	19 25	0 35	3 35	1 36	1 23	15 26	20 26	20 34	0 40	3 47	5 33
M13	3 53	12 59	4 44	2 4	3 41	1 30	1 3	24 38	2 14	22 51	0 32	21 53	0 18	19 24	0 35	3 36	1 36	1 22	15 26	20 25	20 34	0 42	3 48	5 33
T 14	3 30	8 14	5 1	1 28	3 29	2 1	1 1	24 43	2 14	22 51	0 32	21 52	0 18	19 24	0 35	3 37	1 36	1 22	15 26	20 23	20 33	0 45	3 49	5 33
W15	3 6	2 52	4 58	0 51	3 16	2 32	1 0	24 47	2 13	22 52	0 32	21 51	0 18	19 23	0 35	3 38	1 36	1 22	15 26	20 21	20 32	0 47	3 50	5 33
T 16	2 43	2s42	4 33	0 11	3 1	3 3	0 58	24 52	2 13	22 52	0 31	21 51	0 18	19 22	0 35	3 39	1 36	1 21	15 27	20 19	20 32	0 49	3 51	5 33
F 17	2 20	8 5	3 49	0n29	2 44	3 34	0 56	24 56	2 13	22 52	0 31	21 50	0 18	19 22	0 35	3 40	1 36	1 21	15 27	20 17	20 31	0 52	3 52	5 33
S 18	1 56	12 53	2 49	1 10	2 26	4 5	0 54	24 59	2 12	22 52	0 31	21 50	0 18	19 21	0 35	3 40	1 36	1 20	15 27	20 16	20 30	0 54	3 54	5 32
S 19	1 33	16 47	1 40	1 50	2 7	4 36	0 52	25 3	2 12	22 53	0 31	21 49	0 18	19 20	0 35	3 41	1 36	1 20	15 27	20 15	20 30	0 57	3 55	5 32
M20	1 10	19 33	0 26	2 29	1 47	5 6	0 50	25 7	2 12	22 53	0 31	21 48	0 18	19 20	0 35	3 42	1 36	1 20	15 27	20 15	20 29	0 59	3 56	5 32
T 21	0 46	21 5	0n47	3 5	1 27	5 37	0 48	25 10	2 11	22 53	0 31	21 48	0 18	19 19	0 35	3 43	1 36	1 19	15 28	20 15	20 28	1 1	3 57	5 32
W22	0 23	21 21	1 55	3 38	1 7	6 7	0 46	25 13	2 11	22 53	0 31	21 47	0 18	19 18	0 35	3 44	1 36	1 19	15 28	20 15	20 28	1 4	3 58	5 32
T 23	0s 1	20 29	2 55	4 8	0 47	6 38	0 44	25 16	2 10	22 53	0 31	21 47	0 17	19 18	0 35	3 45	1 36	1 18	15 28	20 15	20 27	1 6	3 59	5 31
F 24	0 24	18 36	3 45	4 33	0 27	7 8	0 42	25 18	2 10	22 53	0 31	21 46	0 17	19 17	0 35	3 46	1 36	1 18	15 28	20 14	20 26	1 8	4 0	5 31
S 25	0 48	15 55	4 24	4 53	0 9	7 38	0 40	25 21	2 10	22 53	0 31	21 46	0 17	19 17	0 35	3 46	1 36	1 18	15 28	20 14	20 26	1 11	4 2	5 31
S 26	1 11	12 35	4 50	5 8	0n 9	8 8	0 37	25 23	2 9	22 54	0 31	21 45	0 17	19 16	0 35	3 47	1 36	1 17	15 29	20 12	20 25	1 13	4 3	5 31
M27	1 35	8 48	5 3	5 19	0 25	8 37	0 35	25 25	2 9	22 54	0 31	21 45	0 17	19 15	0 35	3 48	1 36	1 17	15 29	20 11	20 24	1 15	4 4	5 31
T 28	1 58	4 41	5 3	5 24	0 41	9 7	0 33	25 27	2 8	22 54	0 31	21 44	0 17	19 15	0 35	3 49	1 36	1 16	15 29	20 8	20 24	1 18	4 5	5 30
W29	2 22	0 25	4 50	5 24	0 54	9 36	0 30	25 29	2 8	22 54	0 31	21 44	0 17	19 14	0 35	3 50	1 36	1 16	15 29	20 6	20 23	1 20	4 6	5 30
T 30	2s45	3n53	4n24	5n19	1n 7	10s 5	0n28	25s30	2s 7	22n54	0s31	21n43	0s17	19n14	0n35	3s51	1n36	1n16	15s29	20s 4	20s23	1n22	4s 7	5n30

Julian Day Number = 2313361.5, Delta T = 65.03 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'36, Lahiri = 18°34'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

OCTOBER 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 39 21	7♎54'13	11♈29	20♍ 1	28♎30	25♐17	25♊55	20♋ 0	6♌39	13♎29	14°R 0	29°R16	0♐50	22♓30	6°R13	F 1
S 2	0 43 17	8°53'25	23°26	20°58	29°45	25°58	25°57	20° 4	6°41	13°31	13♉59	29♏ 8	0°46	22°37	6♓11	S 2
S 3	0 47 14	9°52'40	5♉28	22° 3	0♏59	26°40	25°59	20° 7	6°43	13°33	13°59	29° 3	0°43	22°44	6° 9	S 3
M 4	0 51 10	10°51'57	17°36	23°14	2°13	27°22	26° 2	20°10	6°45	13°35	13°58	29° 0	0°40	22°50	6° 7	M 4
T 5	0 55 7	11°51'16	29°54	24°31	3°27	28° 4	26° 3	20°13	6°47	13°38	13°57	28°D59	0°37	22°57	6° 4	T 5
W 6	0 59 4	12°50'37	12♊24	25°52	4°42	28°46	26° 5	20°16	6°49	13°40	13°56	29° 0	0°34	23° 4	6° 2	W 6
T 7	1 3 0	13°50'01	25° 9	27°18	5°56	29°28	26° 7	20°19	6°51	13°42	13°55	29° 2	0°31	23°10	6° 0	T 7
F 8	1 6 57	14°49'27	8♋14	28°47	7°10	0♑10	26° 8	20°22	6°53	13°44	13°54	29° 3	0°27	23°17	5°58	F 8
S 9	1 10 53	15°48'55	21°41	0♎19	8°24	0°53	26° 9	20°25	6°55	13°47	13°53	29°R 3	0°24	23°24	5°56	S 9
S 10	1 14 50	16°48'26	5♌33	1°54	9°38	1°35	26°10	20°27	6°57	13°49	13°52	29° 1	0°21	23°31	5°54	S 10
M11	1 18 46	17°47'59	19°50	3°30	10°53	2°18	26°11	20°30	6°59	13°51	13°51	28°58	0°18	23°37	5°52	M11
T 12	1 22 43	18°47'34	4♍30	5° 8	12° 7	3° 0	26°12	20°32	7° 0	13°53	13°50	28°53	0°15	23°44	5°50	T 12
W13	1 26 39	19°47'12	19°27	6°47	13°21	3°43	26°12	20°34	7° 2	13°56	13°49	28°47	0°11	23°51	5°48	W13
T 14	1 30 36	20°46'51	4♎35	8°28	14°35	4°26	26°R12	20°37	7° 4	13°58	13°48	28°41	0° 8	23°57	5°46	T 14
F 15	1 34 33	21°46'33	19°43	10° 9	15°49	5° 9	26°12	20°39	7° 5	14° 0	13°47	28°36	0° 5	24° 4	5°45	F 15
S 16	1 38 29	22°46'17	4♏41	11°50	17° 4	5°52	26°12	20°41	7° 7	14° 2	13°46	28°32	0° 2	24°11	5°43	S 16
S 17	1 42 26	23°46'03	19°21	13°31	18°18	6°36	26°11	20°43	7° 8	14° 5	13°45	28°31	29♏59	24°18	5°41	S 17
M18	1 46 22	24°45'51	3♐37	15°13	19°32	7°19	26°11	20°44	7°10	14° 7	13°44	28°D30	29°56	24°24	5°40	M18
T 19	1 50 19	25°45'40	17°26	16°55	20°46	8° 2	26°10	20°46	7°11	14° 9	13°43	28°31	29°52	24°31	5°38	T 19
W20	1 54 15	26°45'32	0♑47	18°36	22° 0	8°46	26° 9	20°47	7°12	14°11	13°42	28°33	29°49	24°38	5°36	W20
T 21	1 58 12	27°45'25	13°44	20°18	23°14	9°29	26° 7	20°49	7°14	14°13	13°41	28°34	29°46	24°44	5°35	T 21
F 22	2 2 8	28°45'20	26°19	21°59	24°29	10°13	26° 6	20°50	7°15	14°16	13°39	28°R35	29°43	24°51	5°33	F 22
S 23	2 6 5	29°45'16	8♒36	23°40	25°43	10°57	26° 4	20°51	7°16	14°18	13°38	28°35	29°40	24°58	5°32	S 23
S 24	2 10 2	0♏45'14	20°41	25°20	26°57	11°41	26° 2	20°52	7°17	14°20	13°37	28°33	29°36	25° 5	5°31	S 24
M25	2 13 58	1°45'14	2♓38	27° 0	28°11	12°24	26° 0	20°53	7°18	14°22	13°36	28°30	29°33	25°11	5°30	M25
T 26	2 17 55	2°45'15	14°30	28°40	29°25	13° 8	25°58	20°54	7°19	14°24	13°35	28°26	29°30	25°18	5°28	T 26
W27	2 21 51	3°45'18	26°21	0♏19	0♐39	13°52	25°56	20°55	7°20	14°26	13°34	28°22	29°27	25°25	5°27	W27
T 28	2 25 48	4°45'23	8♈15	1°58	1°53	14°37	25°53	20°56	7°21	14°28	13°33	28°18	29°24	25°31	5°26	T 28
F 29	2 29 44	5°45'29	20°13	3°36	3° 7	15°21	25°50	20°56	7°22	14°31	13°32	28°14	29°21	25°38	5°25	F 29
S 30	2 33 41	6°45'37	2♉18	5°14	4°21	16° 5	25°47	20°57	7°23	14°33	13°31	28°11	29°17	25°45	5°24	S 30
S 31	2 37 37	7♏45'47	14♉31	6♏52	5♐35	16♑49	25♊44	20♋57	7♌23	14♎35	13♉30	28♏ 9	29♏14	25♓52	5♓23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	3s 8	8n 2	3n47	5n 9	1n18	10s34	0n26	25s31	2s 7	22n54	0s31	21n43	0s17	19n13	0n36	3s52	1n36	1n15	15s30	20s 2	20s22	1n25	4s 8	5n30
S 2	3 32	11 54	2 59	4 55	1 27	11 3	0 23	25 32	2 7	22 54	0 31	21 42	0 17	19 13	0 36	3 52	1 36	1 15	15 30	20 0	20 21	1 27	4 9	5 29
S 3	3 55	15 18	2 3	4 37	1 36	11 31	0 21	25 33	2 6	22 54	0 31	21 42	0 17	19 12	0 36	3 53	1 36	1 14	15 30	19 59	20 21	1 29	4 10	5 29
M 4	4 19	18 6	1 1	4 15	1 42	11 59	0 18	25 33	2 6	22 54	0 31	21 42	0 17	19 12	0 36	3 54	1 36	1 14	15 30	19 59	20 20	1 32	4 11	5 29
T 5	4 42	20 5	0s 5	3 50	1 48	12 27	0 16	25 33	2 5	22 55	0 31	21 41	0 17	19 11	0 36	3 55	1 36	1 13	15 30	19 58	20 19	1 34	4 12	5 29
W 6	5 5	21 8	1 12	3 22	1 52	12 54	0 13	25 33	2 4	22 55	0 31	21 41	0 17	19 11	0 36	3 56	1 36	1 13	15 30	19 59	20 19	1 36	4 13	5 28
T 7	5 28	21 7	2 17	2 51	1 56	13 22	0 10	25 33	2 4	22 55	0 31	21 40	0 17	19 10	0 36	3 57	1 36	1 13	15 30	19 59	20 18	1 39	4 14	5 28
F 8	5 51	19 58	3 16	2 17	1 58	13 49	0 8	25 33	2 3	22 55	0 31	21 40	0 16	19 10	0 36	3 58	1 36	1 12	15 31	19 59	20 17	1 41	4 15	5 28
S 9	6 14	17 40	4 7	1 42	1 59	14 15	0 5	25 32	2 3	22 55	0 31	21 40	0 16	19 9	0 36	3 58	1 36	1 12	15 31	19 59	20 17	1 43	4 16	5 28
S 10	6 37	14 19	4 45	1 4	2 0	14 41	0 2	25 31	2 2	22 55	0 31	21 39	0 16	19 9	0 36	3 59	1 36	1 12	15 31	19 59	20 16	1 46	4 17	5 27
M11	7 0	10 3	5 6	0 26	1 59	15 7	0s 0	25 30	2 2	22 55	0 31	21 39	0 16	19 9	0 36	4 0	1 36	1 11	15 31	19 58	20 15	1 48	4 18	5 27
T 12	7 23	5 5	5 9	0s15	1 58	15 33	0 3	25 28	2 1	22 55	0 31	21 39	0 16	19 8	0 36	4 1	1 36	1 11	15 31	19 57	20 15	1 50	4 19	5 27
W13	7 45	0s16	4 50	0 56	1 56	15 58	0 6	25 27	2 1	22 55	0 31	21 39	0 16	19 8	0 36	4 2	1 36	1 10	15 31	19 56	20 14	1 53	4 20	5 27
T 14	8 8	5 40	4 12	1 37	1 53	16 23	0 8	25 25	2 0	22 55	0 31	21 38	0 16	19 7	0 36	4 3	1 36	1 10	15 31	19 54	20 13	1 55	4 21	5 26
F 15	8 30	10 44	3 15	2 20	1 50	16 47	0 11	25 23	1 59	22 55	0 31	21 38	0 16	19 7	0 36	4 4	1 36	1 10	15 31	19 53	20 13	1 57	4 22	5 26
S 16	8 52	15 5	2 6	3 3	1 47	17 11	0 14	25 20	1 59	22 55	0 31	21 38	0 16	19 7	0 36	4 4	1 36	1 9	15 31	19 52	20 12	2 0	4 23	5 26
S 17	9 15	18 24	0 50	3 46	1 43	17 34	0 16	25 17	1 58	22 55	0 31	21 38	0 16	19 6	0 36	4 5	1 36	1 9	15 32	19 52	20 11	2 2	4 24	5 25
M18	9 37	20 28	0n28	4 30	1 38	17 58	0 19	25 14	1 58	22 55	0 31	21 37	0 16	19 6	0 36	4 6	1 36	1 8	15 32	19 52	20 11	2 4	4 25	5 25
T 19	9 58	21 12	1 42	5 13	1 34	18 20	0 22	25 11	1 57	22 55	0 31	21 37	0 16	19 6	0 36	4 7	1 36	1 8	15 32	19 52	20 10	2 7	4 26	5 25
W20	10 20	20 42	2 47	5 56	1 29	18 42	0 25	25 8	1 56	22 55	0 31	21 37	0 16	19 5	0 36	4 8	1 36	1 8	15 32	19 53	20 9	2 9	4 27	5 24
T 21	10 42	19 5	3 43	6 40	1 23	19 4	0 27	25 4	1 56	22 55	0 31	21 37	0 16	19 5	0 36	4 9	1 36	1 7	15 32	19 53	20 8	2 11	4 27	5 24
F 22	11 3	16 35	4 25	7 23	1 18	19 25	0 30	25 0	1 55	22 55	0 31	21 37	0 16	19 5	0 36	4 9	1 36	1 7	15 32	19 53	20 8	2 14	4 28	5 24
S 23	11 24	13 24	4 55	8 6	1 12	19 45	0 33	24 56	1 54	22 55	0 31	21 37	0 15	19 5	0 36	4 10	1 36	1 7	15 32	19 53	20 7	2 16	4 29	5 23
S 24	11 46	9 43	5 10	8 48	1 6	20 6	0 36	24 52	1 54	22 55	0 31	21 37	0 15	19 4	0 36	4 11	1 36	1 6	15 32	19 53	20 6	2 18	4 30	5 23
M25	12 6	5 42	5 13	9 30	1 0	20 25	0 38	24 47	1 53	22 55	0 31	21 37	0 15	19 4	0 36	4 12	1 36	1 6	15 32	19 52	20 6	2 21	4 31	5 23
T 26	12 27	1 29	5 1	10 12	0 53	20 44	0 41	24 42	1 52	22 55	0 31	21 36	0 15	19 4	0 36	4 13	1 36	1 6	15 32	19 51	20 5	2 23	4 31	5 22
W27	12 48	2n47	4 37	10 53	0 47	21 2	0 44	24 37	1 52	22 55	0 30	21 36	0 15	19 4	0 37	4 14	1 36	1 5	15 32	19 50	20 4	2 25	4 32	5 22
T 28	13 8	6 58	4 1	11 33	0 40	21 20	0 46	24 31	1 51	22 55	0 30	21 36	0 15	19 4	0 37	4 14	1 36	1 5	15 32	19 49	20 4	2 28	4 33	5 22
F 29	13 28	10 55	3 14	12 13	0 34	21 38	0 49	24 26	1 50	22 55	0 30	21 36	0 15	19 3	0 37	4 15	1 36	1 5	15 32	19 48	20 3	2 30	4 33	5 21
S 30	13 48	14 27	2 18	12 52	0 27	21 54	0 52	24 20	1 49	22 55	0 30	21 36	0 15	19 3	0 37	4 16	1 36	1 4	15 32	19 48	20 2	2 32	4 34	5 21
S 31	14s 8	17n25	1n14	13s31	0n20	22s10	0s54	24s13	1s49	22n55	0s30	21n36	0s15	19n 3	0n37	4s17	1n36	1n 4	15s32	19s47	20s 2	2n34	4s35	5n21

Julian Day Number = 2313391.5, Delta T = 64.95 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'40, Lahiri = 18°34'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1621
geocentric

NOVEMBER 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 41 34	8♏45'59	26♉54	8♏29	6♐49	17♑34	25°R41	20♋57	7♌24	14♎37	13°R28	28°D 9	29♏11	25♓58	5°R22	M 1
T 2	2 45 31	9°46'13	9♊27	10° 6	8° 3	18°18	25♊37	20°R57	7°25	14°39	13♉27	28♏ 9	29° 8	26° 5	5♓21	T 2
W 3	2 49 27	10°46'29	22°12	11°42	9°17	19° 2	25°33	20°57	7°25	14°41	13°26	28°10	29° 5	26°12	5°21	W 3
T 4	2 53 24	11°46'47	5♋11	13°18	10°31	19°47	25°29	20°57	7°26	14°43	13°25	28°12	29° 2	26°18	5°20	T 4
F 5	2 57 20	12°47'07	18°25	14°54	11°45	20°32	25°25	20°57	7°26	14°45	13°24	28°13	28°58	26°25	5°19	F 5
S 6	3 1 17	13°47'28	1♌55	16°30	12°59	21°16	25°21	20°56	7°26	14°47	13°23	28°14	28°55	26°32	5°19	S 6
S 7	3 5 13	14°47'52	15°43	18° 5	14°13	22° 1	25°16	20°56	7°27	14°49	13°22	28°R14	28°52	26°38	5°18	S 7
M 8	3 9 10	15°48'18	29°47	19°39	15°27	22°46	25°11	20°55	7°27	14°51	13°21	28°14	28°49	26°45	5°18	M 8
T 9	3 13 6	16°48'45	14♍ 8	21°14	16°41	23°31	25° 7	20°54	7°27	14°53	13°19	28°13	28°46	26°52	5°17	T 9
W10	3 17 3	17°49'15	28°42	22°48	17°55	24°15	25° 2	20°54	7°27	14°55	13°18	28°12	28°42	26°59	5°17	W10
T 11	3 21 0	18°49'46	13♎25	24°22	19° 9	25° 0	24°56	20°53	7°28	14°57	13°17	28°10	28°39	27° 5	5°16	T 11
F 12	3 24 56	19°50'19	28° 9	25°56	20°23	25°45	24°51	20°52	7°28	14°59	13°16	28° 9	28°36	27°12	5°16	F 12
S 13	3 28 53	20°50'54	12♏49	27°29	21°37	26°30	24°45	20°50	7°R28	15° 1	13°15	28° 9	28°33	27°19	5°16	S 13
S 14	3 32 49	21°51'30	27°17	29° 2	22°50	27°15	24°40	20°49	7°28	15° 3	13°14	28°D 9	28°30	27°25	5°16	S 14
M15	3 36 46	22°52'08	11♐28	0♐35	24° 4	28° 1	24°34	20°48	7°28	15° 5	13°13	28° 9	28°27	27°32	5°16	M15
T 16	3 40 42	23°52'48	25°17	2° 8	25°18	28°46	24°28	20°46	7°27	15° 6	13°12	28° 9	28°23	27°39	5°D16	T 16
W17	3 44 39	24°53'28	8♑42	3°41	26°32	29°31	24°22	20°45	7°27	15° 8	13°11	28° 9	28°20	27°46	5°16	W17
T 18	3 48 35	25°54'10	21°43	5°13	27°46	0♒16	24°15	20°43	7°27	15°10	13° 9	28°10	28°17	27°52	5°16	T 18
F 19	3 52 32	26°54'53	4♒23	6°46	29° 0	1° 1	24° 9	20°41	7°27	15°12	13° 8	28°10	28°14	27°59	5°16	F 19
S 20	3 56 29	27°55'37	16°45	8°18	0♑13	1°47	24° 2	20°39	7°26	15°14	13° 7	28°10	28°11	28° 6	5°16	S 20
S 21	4 0 25	28°56'22	28°52	9°50	1°27	2°32	23°56	20°37	7°26	15°15	13° 6	28°10	28° 8	28°12	5°17	S 21
M22	4 4 22	29°57'08	10♓49	11°22	2°41	3°18	23°49	20°35	7°25	15°17	13° 5	28°10	28° 4	28°19	5°17	M22
T 23	4 8 18	0♐57'55	22°41	12°53	3°54	4° 3	23°42	20°33	7°25	15°19	13° 4	28°10	28° 1	28°26	5°18	T 23
W24	4 12 15	1°58'43	4♈33	14°25	5° 8	4°48	23°35	20°30	7°24	15°20	13° 3	28°11	27°58	28°32	5°18	W24
T 25	4 16 11	2°59'32	16°28	15°56	6°22	5°34	23°28	20°28	7°23	15°22	13° 2	28°11	27°55	28°39	5°19	T 25
F 26	4 20 8	4° 0'23	28°30	17°27	7°35	6°19	23°20	20°25	7°23	15°24	13° 1	28°12	27°52	28°46	5°19	F 26
S 27	4 24 4	5° 1'14	10♉43	18°57	8°49	7° 5	23°13	20°23	7°22	15°25	13° 0	28°12	27°48	28°53	5°20	S 27
S 28	4 28 1	6° 2'06	23° 9	20°28	10° 2	7°51	23° 6	20°20	7°21	15°27	12°59	28°R13	27°45	28°59	5°20	S 28
M29	4 31 58	7° 2'59	5♊48	21°58	11°16	8°36	22°58	20°17	7°20	15°29	12°58	28°13	27°42	29° 6	5°21	M29
T 30	4 35 54	8♐ 3'53	18♊43	23♐28	12♑29	9♒22	22♊50	20♋14	7♌19	15♎30	12♉57	28♏12	27♏39	29♓13	5♓22	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s27	19n37	0n 7	14s 9	0n14	22s26	0s57	24s 7	1s48	22n55	0s30	21n36	0s15	19n 3	0n37	4s18	1n36	1n 4	15s32	19s47	20s 1	2n37	4s35	5n20
T 2	14 46	20 53	1s 2	14 46	0 7	22 40	0 59	24 0	1 47	22 55	0 30	21 37	0 15	19 3	0 37	4 18	1 36	1 3	15 32	19 47	20 0	2 39	4 36	5 20
W 3	15 5	21 7	2 9	15 22	0 0	22 55	1 2	23 53	1 47	22 55	0 30	21 37	0 15	19 3	0 37	4 19	1 36	1 3	15 32	19 48	20 0	2 41	4 37	5 20
T 4	15 24	20 12	3 11	15 58	0s 6	23 8	1 4	23 46	1 46	22 55	0 30	21 37	0 15	19 3	0 37	4 20	1 36	1 3	15 32	19 48	19 59	2 44	4 37	5 19
F 5	15 42	18 12	4 4	16 33	0 13	23 21	1 7	23 39	1 45	22 54	0 30	21 37	0 14	19 3	0 37	4 21	1 36	1 2	15 32	19 48	19 58	2 46	4 38	5 19
S 6	16 1	15 9	4 44	17 7	0 20	23 33	1 9	23 31	1 44	22 54	0 30	21 37	0 14	19 3	0 37	4 21	1 36	1 2	15 32	19 48	19 57	2 48	4 38	5 19
S 7	16 19	11 14	5 9	17 40	0 26	23 44	1 12	23 23	1 44	22 54	0 30	21 37	0 14	19 2	0 37	4 22	1 36	1 2	15 32	19 48	19 57	2 50	4 39	5 18
M 8	16 36	6 37	5 17	18 13	0 33	23 55	1 14	23 15	1 43	22 54	0 30	21 37	0 14	19 2	0 37	4 23	1 36	1 2	15 32	19 48	19 56	2 53	4 39	5 18
T 9	16 54	1 34	5 5	18 44	0 39	24 5	1 17	23 7	1 42	22 54	0 30	21 37	0 14	19 2	0 37	4 24	1 36	1 1	15 32	19 48	19 55	2 55	4 40	5 18
W10	17 11	3s39	4 33	19 15	0 46	24 15	1 19	22 58	1 41	22 54	0 30	21 38	0 14	19 2	0 37	4 24	1 37	1 1	15 32	19 48	19 55	2 57	4 40	5 17
T 11	17 27	8 44	3 43	19 44	0 52	24 23	1 21	22 49	1 40	22 54	0 30	21 38	0 14	19 2	0 37	4 25	1 37	1 1	15 32	19 48	19 54	3 0	4 41	5 17
F 12	17 44	13 19	2 39	20 13	0 58	24 31	1 23	22 40	1 40	22 54	0 30	21 38	0 14	19 2	0 37	4 26	1 37	1 0	15 32	19 47	19 53	3 2	4 41	5 16
S 13	18 0	17 3	1 24	20 41	1 4	24 39	1 25	22 31	1 39	22 54	0 29	21 38	0 14	19 2	0 37	4 26	1 37	1 0	15 32	19 47	19 53	3 4	4 42	5 16
S 14	18 16	19 40	0 5	21 7	1 10	24 45	1 28	22 21	1 38	22 53	0 29	21 39	0 14	19 3	0 37	4 27	1 37	1 0	15 32	19 47	19 52	3 6	4 42	5 16
M15	18 32	20 59	1n13	21 33	1 16	24 51	1 30	22 11	1 37	22 53	0 29	21 39	0 14	19 3	0 37	4 28	1 37	1 0	15 32	19 47	19 51	3 9	4 42	5 15
T 16	18 47	20 59	2 25	21 57	1 21	24 56	1 32	22 1	1 36	22 53	0 29	21 39	0 14	19 3	0 37	4 29	1 37	1 0	15 32	19 47	19 50	3 11	4 43	5 15
W17	19 2	19 46	3 27	22 21	1 27	25 0	1 34	21 51	1 36	22 53	0 29	21 40	0 14	19 3	0 37	4 29	1 37	0 59	15 32	19 47	19 50	3 13	4 43	5 15
T 18	19 16	17 31	4 16	22 43	1 32	25 4	1 36	21 41	1 35	22 53	0 29	21 40	0 13	19 3	0 37	4 30	1 37	0 59	15 31	19 47	19 49	3 15	4 43	5 14
F 19	19 30	14 30	4 51	23 5	1 37	25 6	1 37	21 30	1 34	22 53	0 29	21 40	0 13	19 3	0 37	4 30	1 37	0 59	15 31	19 47	19 48	3 18	4 44	5 14
S 20	19 44	10 54	5 11	23 25	1 42	25 8	1 39	21 19	1 33	22 52	0 29	21 41	0 13	19 3	0 37	4 31	1 37	0 59	15 31	19 47	19 48	3 20	4 44	5 13
S 21	19 58	6 56	5 17	23 43	1 47	25 10	1 41	21 8	1 32	22 52	0 29	21 41	0 13	19 3	0 38	4 32	1 37	0 58	15 31	19 47	19 47	3 22	4 44	5 13
M22	20 11	2 45	5 10	24 1	1 51	25 10	1 43	20 56	1 31	22 52	0 29	21 41	0 13	19 3	0 38	4 32	1 37	0 58	15 31	19 47	19 46	3 25	4 44	5 13
T 23	20 24	1n31	4 49	24 18	1 55	25 10	1 44	20 45	1 31	22 52	0 29	21 42	0 13	19 4	0 38	4 33	1 37	0 58	15 31	19 48	19 46	3 27	4 45	5 12
W24	20 36	5 43	4 16	24 33	1 59	25 9	1 46	20 33	1 30	22 51	0 28	21 42	0 13	19 4	0 38	4 34	1 37	0 58	15 31	19 48	19 45	3 29	4 45	5 12
T 25	20 48	9 44	3 32	24 47	2 3	25 7	1 47	20 21	1 29	22 51	0 28	21 43	0 13	19 4	0 38	4 34	1 37	0 58	15 31	19 48	19 44	3 31	4 45	5 12
F 26	20 59	13 25	2 38	24 59	2 6	25 5	1 49	20 9	1 28	22 51	0 28	21 43	0 13	19 4	0 38	4 35	1 37	0 58	15 31	19 48	19 43	3 34	4 45	5 11
S 27	21 11	16 35	1 36	25 10	2 9	25 1	1 50	19 57	1 27	22 51	0 28	21 44	0 13	19 4	0 38	4 35	1 37	0 57	15 30	19 48	19 43	3 36	4 45	5 11
S 28	21 21	19 3	0 28	25 20	2 12	24 57	1 51	19 44	1 26	22 50	0 28	21 44	0 13	19 5	0 38	4 36	1 37	0 57	15 30	19 48	19 42	3 38	4 45	5 11
M29	21 32	20 38	0s42	25 28	2 14	24 53	1 52	19 31	1 25	22 50	0 28	21 45	0 13	19 5	0 38	4 37	1 37	0 57	15 30	19 48	19 41	3 40	4 45	5 10
T 30	21s42	21n10	1s51	25s35	2s16	24s47	1s54	19s18	1s25	22n50	0s28	21n45	0s12	19n 5	0n38	4s37	1n37	0n57	15s30	19s48	19s40	3n43	4s45	5n10

Julian Day Number = 2313422.5, Delta T = 64.88 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'44, Lahiri = 18°34'45Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1621
geocentric

DECEMBER 1621 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 39 51	9♐ 4'49	1♋52	24♐57	13♑43	10♒ 7	22°R43	20°R11	7°R18	15♎32	12°R56	28°R11	27♏36	29♓19	5♓23	W 1
T 2	4 43 47	10° 5'45	15°14	26°25	14°56	10°53	22♊35	20♋ 8	7♌17	15°33	12♉55	28♏ 9	27°33	29°26	5°24	T 2
F 3	4 47 44	11° 6'43	28°49	27°53	16° 9	11°39	22°27	20° 5	7°16	15°35	12°54	28° 8	27°29	29°33	5°25	F 3
S 4	4 51 40	12° 7'42	12♌35	29°21	17°23	12°24	22°19	20° 2	7°15	15°36	12°53	28° 6	27°26	29°39	5°26	S 4
S 5	4 55 37	13° 8'42	26°31	0♑47	18°36	13°10	22°11	19°58	7°14	15°37	12°52	28° 5	27°23	29°46	5°27	S 5
M 6	4 59 33	14° 9'43	10♍35	2°12	19°49	13°56	22° 3	19°55	7°13	15°39	12°51	28°D 4	27°20	29°53	5°28	M 6
T 7	5 3 30	15°10'45	24°45	3°36	21° 2	14°41	21°55	19°51	7°12	15°40	12°50	28° 4	27°17	29°59	5°30	T 7
W 8	5 7 27	16°11'48	8♎59	4°59	22°16	15°27	21°47	19°48	7°10	15°41	12°49	28° 5	27°14	0♈ 6	5°31	W 8
T 9	5 11 23	17°12'52	23°15	6°19	23°29	16°13	21°39	19°44	7° 9	15°43	12°48	28° 6	27°10	0°13	5°32	T 9
F 10	5 15 20	18°13'57	7♏30	7°38	24°42	16°59	21°31	19°40	7° 7	15°44	12°47	28° 8	27° 7	0°20	5°34	F 10
S 11	5 19 16	19°15'04	21°41	8°54	25°55	17°44	21°23	19°36	7° 6	15°45	12°46	28°R 9	27° 4	0°26	5°35	S 11
S 12	5 23 13	20°16'11	5♐44	10° 8	27° 8	18°30	21°15	19°32	7° 5	15°46	12°46	28° 9	27° 1	0°33	5°37	S 12
M13	5 27 9	21°17'18	19°35	11°18	28°21	19°16	21° 6	19°28	7° 3	15°48	12°45	28° 7	26°58	0°40	5°38	M13
T 14	5 31 6	22°18'27	3♑11	12°24	29°34	20° 2	20°58	19°24	7° 1	15°49	12°44	28° 5	26°54	0°47	5°40	T 14
W15	5 35 2	23°19'36	16°29	13°26	0♒47	20°48	20°50	19°20	7° 0	15°50	12°43	28° 1	26°51	0°53	5°41	W15
T 16	5 38 59	24°20'45	29°29	14°23	2° 0	21°33	20°42	19°16	6°58	15°51	12°42	27°57	26°48	1° 0	5°43	T 16
F 17	5 42 56	25°21'54	12♒ 9	15°14	3°12	22°19	20°34	19°12	6°56	15°52	12°41	27°52	26°45	1° 7	5°45	F 17
S 18	5 46 52	26°23'04	24°32	15°59	4°25	23° 5	20°26	19° 7	6°55	15°53	12°41	27°48	26°42	1°13	5°47	S 18
S 19	5 50 49	27°24'13	6♓41	16°36	5°38	23°51	20°18	19° 3	6°53	15°54	12°40	27°45	26°39	1°20	5°49	S 19
M20	5 54 45	28°25'23	18°39	17° 4	6°50	24°37	20°10	18°59	6°51	15°55	12°39	27°43	26°35	1°27	5°51	M20
T 21	5 58 42	29°26'33	0♈31	17°23	8° 3	25°23	20° 2	18°54	6°49	15°56	12°38	27°D42	26°32	1°33	5°53	T 21
W22	6 2 38	0♑27'42	12°22	17°R32	9°15	26° 8	19°54	18°50	6°47	15°57	12°38	27°43	26°29	1°40	5°55	W22
T 23	6 6 35	1°28'52	24°17	17°30	10°28	26°54	19°46	18°45	6°45	15°58	12°37	27°45	26°26	1°47	5°57	T 23
F 24	6 10 31	2°30'02	6♉20	17°17	11°40	27°40	19°38	18°40	6°43	15°59	12°36	27°46	26°23	1°53	5°59	F 24
S 25	6 14 28	3°31'12	18°37	16°51	12°52	28°26	19°30	18°36	6°41	15°59	12°36	27°48	26°20	2° 0	6° 1	S 25
S 26	6 18 25	4°32'21	1♊11	16°14	14° 5	29°12	19°23	18°31	6°39	16° 0	12°35	27°R48	26°16	2° 7	6° 3	S 26
M27	6 22 21	5°33'31	14° 4	15°26	15°17	29°57	19°15	18°26	6°37	16° 1	12°34	27°47	26°13	2°14	6° 6	M27
T 28	6 26 18	6°34'40	27°18	14°27	16°29	0♓43	19° 8	18°21	6°35	16° 2	12°34	27°44	26°10	2°20	6° 8	T 28
W29	6 30 14	7°35'50	10♋51	13°19	17°41	1°29	19° 0	18°17	6°33	16° 2	12°33	27°39	26° 7	2°27	6°10	W29
T 30	6 34 11	8°36'59	24°42	12° 5	18°53	2°15	18°53	18°12	6°30	16° 3	12°33	27°32	26° 4	2°34	6°13	T 30
F 31	6 38 7	9♑38'08	8♌47	10♑46	20♒ 4	3♓ 1	18♊46	18♋ 7	6♌28	16♎ 3	12♉32	27♏25	26♏ 0	2♈40	6♓15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21 s51	20n33	2 s56	25 s41	2 s18	24 s41	1 s55	19 s 5	1 s24	22n49	0 s28	21n46	0 s12	19n 6	0n38	4 s38	1n37	0n57	15 s30	19 s48	19 s40	3n45	4 s45	5n 9
T 2	22 0	18 46	3 52	25 45	2 19	24 34	1 56	18 52	1 23	22 49	0 28	21 46	0 12	19 6	0 38	4 38	1 37	0 57	15 30	19 47	19 39	3 47	4 45	5 9
F 3	22 9	15 56	4 36	25 48	2 20	24 26	1 57	18 38	1 22	22 49	0 27	21 47	0 12	19 6	0 38	4 39	1 37	0 57	15 29	19 47	19 38	3 49	4 45	5 9
S 4	22 17	12 11	5 5	25 49	2 20	24 18	1 57	18 25	1 21	22 48	0 27	21 47	0 12	19 6	0 38	4 39	1 38	0 57	15 29	19 47	19 38	3 52	4 45	5 8
S 5	22 25	7 45	5 16	25 48	2 19	24 9	1 58	18 11	1 20	22 48	0 27	21 48	0 12	19 7	0 38	4 40	1 38	0 56	15 29	19 46	19 37	3 54	4 45	5 8
M 6	22 33	2 51	5 9	25 47	2 18	23 59	1 59	17 57	1 19	22 48	0 27	21 49	0 12	19 7	0 38	4 40	1 38	0 56	15 29	19 46	19 36	3 56	4 45	5 8
T 7	22 40	2 s14	4 43	25 43	2 17	23 48	1 59	17 43	1 18	22 47	0 27	21 49	0 12	19 7	0 38	4 41	1 38	0 56	15 29	19 46	19 35	3 58	4 45	5 7
W 8	22 46	7 14	3 59	25 38	2 15	23 37	2 0	17 28	1 18	22 47	0 27	21 50	0 12	19 8	0 38	4 41	1 38	0 56	15 28	19 46	19 35	4 0	4 45	5 7
T 9	22 52	11 51	3 1	25 32	2 12	23 25	2 0	17 14	1 17	22 47	0 27	21 50	0 12	19 8	0 38	4 42	1 38	0 56	15 28	19 47	19 34	4 3	4 45	5 7
F 10	22 58	15 48	1 52	25 24	2 8	23 12	2 1	16 59	1 16	22 46	0 27	21 51	0 11	19 9	0 38	4 42	1 38	0 56	15 28	19 47	19 33	4 5	4 44	5 6
S 11	23 3	18 48	0 36	25 15	2 4	22 59	2 1	16 44	1 15	22 46	0 26	21 52	0 11	19 9	0 38	4 42	1 38	0 56	15 28	19 47	19 33	4 7	4 44	5 6
S 12	23 8	20 37	0n42	25 4	1 59	22 45	2 1	16 29	1 14	22 46	0 26	21 52	0 11	19 9	0 38	4 43	1 38	0 56	15 28	19 47	19 32	4 9	4 44	5 6
M13	23 12	21 10	1 55	24 52	1 53	22 30	2 1	16 14	1 13	22 45	0 26	21 53	0 11	19 10	0 38	4 43	1 38	0 56	15 27	19 47	19 31	4 12	4 44	5 5
T 14	23 16	20 26	3 1	24 39	1 45	22 15	2 1	15 59	1 12	22 45	0 26	21 54	0 11	19 10	0 38	4 44	1 38	0 56	15 27	19 46	19 30	4 14	4 43	5 5
W15	23 19	18 35	3 55	24 25	1 37	21 59	2 1	15 43	1 11	22 44	0 26	21 54	0 11	19 11	0 38	4 44	1 38	0 56	15 27	19 45	19 30	4 16	4 43	5 5
T 16	23 22	15 48	4 36	24 10	1 28	21 43	2 1	15 27	1 10	22 44	0 26	21 55	0 11	19 11	0 38	4 44	1 38	0 56	15 27	19 44	19 29	4 18	4 43	5 4
F 17	23 24	12 21	5 2	23 54	1 18	21 26	2 0	15 12	1 10	22 43	0 26	21 56	0 11	19 12	0 38	4 45	1 38	0 56	15 26	19 43	19 28	4 20	4 42	5 4
S 18	23 26	8 27	5 13	23 37	1 6	21 8	2 0	14 56	1 9	22 43	0 25	21 57	0 11	19 12	0 38	4 45	1 38	0 56	15 26	19 43	19 27	4 23	4 42	5 4
S 19	23 28	4 17	5 9	23 20	0 53	20 50	1 59	14 40	1 8	22 43	0 25	21 57	0 11	19 13	0 39	4 45	1 38	0 56	15 26	19 42	19 27	4 25	4 42	5 3
M20	23 29	0 1	4 53	23 3	0 39	20 31	1 59	14 24	1 7	22 42	0 25	21 58	0 11	19 13	0 39	4 46	1 38	0 56	15 26	19 41	19 26	4 27	4 41	5 3
T 21	23 29	4n14	4 23	22 45	0 24	20 11	1 58	14 7	1 6	22 42	0 25	21 59	0 10	19 14	0 39	4 46	1 38	0 56	15 25	19 41	19 25	4 29	4 41	5 3
W22	23 29	8 19	3 43	22 28	0 8	19 51	1 57	13 51	1 5	22 41	0 25	21 59	0 10	19 14	0 39	4 46	1 39	0 56	15 25	19 41	19 24	4 31	4 40	5 2
T 23	23 29	12 7	2 53	22 11	0n10	19 31	1 56	13 34	1 4	22 41	0 25	22 0	0 10	19 15	0 39	4 47	1 39	0 56	15 25	19 42	19 24	4 34	4 40	5 2
F 24	23 28	15 28	1 55	21 54	0 28	19 10	1 55	13 18	1 3	22 40	0 24	22 1	0 10	19 15	0 39	4 47	1 39	0 56	15 25	19 42	19 23	4 36	4 40	5 2
S 25	23 26	18 12	0 50	21 39	0 47	18 48	1 54	13 1	1 2	22 40	0 24	22 2	0 10	19 16	0 39	4 47	1 39	0 56	15 24	19 42	19 22	4 38	4 39	5 1
S 26	23 25	20 8	0 s18	21 24	1 7	18 26	1 53	12 44	1 1	22 40	0 24	22 2	0 10	19 16	0 39	4 47	1 39	0 56	15 24	19 43	19 21	4 40	4 38	5 1
M27	23 22	21 5	1 27	21 10	1 26	18 4	1 52	12 27	1 0	22 39	0 24	22 3	0 10	19 17	0 39	4 48	1 39	0 57	15 24	19 42	19 21	4 42	4 38	5 1
T 28	23 19	20 54	2 33	20 57	1 46	17 41	1 50	12 10	1 0	22 39	0 24	22 4	0 10	19 17	0 39	4 48	1 39	0 57	15 24	19 42	19 20	4 45	4 37	5 0
W29	23 16	19 31	3 32	20 46	2 4	17 18	1 49	11 53	0 59	22 38	0 24	22 5	0 10	19 18	0 39	4 48	1 39	0 57	15 23	19 40	19 19	4 47	4 37	5 0
T 30	23 12	16 58	4 20	20 36	2 21	16 54	1 47	11 36	0 58	22 38	0 23	22 5	0 9	19 19	0 39	4 48	1 39	0 57	15 23	19 39	19 18	4 49	4 36	5 0
F 31	23 s 8	13n23	4 s53	20 s27	2n37	16 s29	1 s46	11 s18	0 s57	22n37	0 s23	22n 6	0 s 9	19n19	0n39	4 s48	1n39	0n57	15 s23	19 s37	19 s18	4n51	4 s36	5n 0

Julian Day Number = 2313452.5, Delta T = 64.80 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'48, Lahiri = 18°34'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

JANUARY 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 42 4	10♑39'18	23♌ 0	9°R25	21♒16	3♓46	18°R39	18°R 2	6°R26	16♎ 4	12°R31	27°R18	25♏57	2♈47	6♓18	S 1
S 2	6 46 1	11°40'27	7♍17	8♑ 5	22°28	4°32	18♊32	17♋57	6♌24	16° 5	12♉31	27♏12	25°54	2°54	6°20	S 2
M 3	6 49 57	12°41'37	21°34	6°48	23°39	5°18	18°25	17°52	6°21	16° 5	12°30	27° 8	25°51	3° 0	6°23	M 3
T 4	6 53 54	13°42'46	5♎47	5°37	24°51	6° 3	18°18	17°47	6°19	16° 5	12°30	27° 6	25°48	3° 7	6°26	T 4
W 5	6 57 50	14°43'55	19°54	4°32	26° 2	6°49	18°12	17°42	6°17	16° 6	12°30	27°D 6	25°45	3°14	6°28	W 5
T 6	7 1 47	15°45'05	3♏54	3°37	27°13	7°35	18° 5	17°37	6°14	16° 6	12°29	27° 7	25°41	3°21	6°31	T 6
F 7	7 5 43	16°46'15	17°46	2°50	28°24	8°20	17°59	17°33	6°12	16° 7	12°29	27° 8	25°38	3°27	6°34	F 7
S 8	7 9 40	17°47'24	1♐30	2°13	29°35	9° 6	17°53	17°28	6° 9	16° 7	12°28	27°R 8	25°35	3°34	6°37	S 8
S 9	7 13 36	18°48'33	15° 5	1°46	0♓46	9°52	17°47	17°23	6° 7	16° 7	12°28	27° 7	25°32	3°41	6°40	S 9
M10	7 17 33	19°49'42	28°30	1°29	1°57	10°37	17°41	17°18	6° 5	16° 8	12°28	27° 3	25°29	3°47	6°43	M10
T 11	7 21 30	20°50'51	11♑44	1°D21	3° 8	11°23	17°35	17°13	6° 2	16° 8	12°27	26°56	25°26	3°54	6°45	T 11
W12	7 25 26	21°51'59	24°45	1°21	4°18	12° 8	17°30	17° 8	6° 0	16° 8	12°27	26°47	25°22	4° 1	6°48	W12
T 13	7 29 23	22°53'06	7♒32	1°29	5°29	12°54	17°24	17° 3	5°57	16° 8	12°27	26°36	25°19	4° 7	6°51	T 13
F 14	7 33 19	23°54'13	20° 6	1°45	6°39	13°39	17°19	16°58	5°54	16° 8	12°26	26°25	25°16	4°14	6°55	F 14
S 15	7 37 16	24°55'19	2♓25	2° 8	7°49	14°25	17°14	16°53	5°52	16° 8	12°26	26°15	25°13	4°21	6°58	S 15
S 16	7 41 12	25°56'24	14°32	2°37	8°59	15°10	17° 9	16°48	5°49	16° 8	12°26	26° 5	25°10	4°27	7° 1	S 16
M17	7 45 9	26°57'28	26°29	3°11	10° 9	15°56	17° 4	16°43	5°47	16°R 8	12°26	25°58	25° 6	4°34	7° 4	M17
T 18	7 49 5	27°58'31	8♈20	3°51	11°19	16°41	17° 0	16°39	5°44	16° 8	12°25	25°53	25° 3	4°41	7° 7	T 18
W19	7 53 2	28°59'33	20° 9	4°35	12°28	17°27	16°55	16°34	5°42	16° 8	12°25	25°51	25° 0	4°48	7°10	W19
T 20	7 56 59	0♒ 0'34	2♉ 1	5°23	13°38	18°12	16°51	16°29	5°39	16° 8	12°25	25°D51	24°57	4°54	7°14	T 20
F 21	8 0 55	1° 1'34	14° 3	6°16	14°47	18°58	16°47	16°24	5°36	16° 8	12°25	25°51	24°54	5° 1	7°17	F 21
S 22	8 4 52	2° 2'33	26°18	7°11	15°56	19°43	16°43	16°20	5°34	16° 8	12°25	25°R52	24°51	5° 8	7°20	S 22
S 23	8 8 48	3° 3'30	8♊53	8°10	17° 5	20°28	16°40	16°15	5°31	16° 8	12°25	25°51	24°47	5°14	7°24	S 23
M24	8 12 45	4° 4'27	21°51	9°12	18°14	21°13	16°36	16°10	5°29	16° 8	12°25	25°48	24°44	5°21	7°27	M24
T 25	8 16 41	5° 5'22	5♋15	10°16	19°23	21°59	16°33	16° 6	5°26	16° 7	12°25	25°42	24°41	5°28	7°30	T 25
W26	8 20 38	6° 6'16	19° 4	11°22	20°31	22°44	16°30	16° 1	5°23	16° 7	12°D25	25°34	24°38	5°34	7°34	W26
T 27	8 24 34	7° 7'09	3♌17	12°31	21°39	23°29	16°27	15°57	5°21	16° 7	12°25	25°24	24°35	5°41	7°37	T 27
F 28	8 28 31	8° 8'00	17°49	13°42	22°47	24°14	16°24	15°52	5°18	16° 6	12°25	25°12	24°32	5°48	7°41	F 28
S 29	8 32 28	9° 8'51	2♍31	14°54	23°55	24°59	16°22	15°48	5°15	16° 6	12°25	25° 1	24°28	5°54	7°44	S 29
S 30	8 36 24	10° 9'40	17°17	16° 9	25° 3	25°44	16°20	15°44	5°13	16° 6	12°25	24°51	24°25	6° 1	7°48	S 30
M31	8 40 21	11♒10'28	1♎58	17♑25	26♓10	26♓29	16♊18	15♋40	5♌10	16♎ 5	12♉25	24♏44	24♏22	6♈ 8	7♓51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 4	9n 2	5s 8	20s19	2n50	16s 5	1s44	11s 1	0s56	22n37	0s23	22n 7	0s 9	19n20	0n39	4s48	1n39	0n57	15s22	19s36	19s17	4n53	4s35	4n59
S 2	22 58	4 9	5 4	20 13	3 1	15 40	1 42	10 43	0 55	22 37	0 23	22 8	0 9	19 20	0 39	4 49	1 39	0 57	15 22	19 34	19 16	4 56	4 34	4 59
M 3	22 53	0s58	4 41	20 9	3 10	15 14	1 40	10 26	0 54	22 36	0 23	22 8	0 9	19 21	0 39	4 49	1 39	0 57	15 22	19 33	19 15	4 58	4 34	4 59
T 4	22 47	6 0	4 1	20 6	3 16	14 48	1 38	10 8	0 53	22 36	0 23	22 9	0 9	19 22	0 39	4 49	1 39	0 58	15 21	19 33	19 15	5 0	4 33	4 58
W 5	22 40	10 41	3 7	20 5	3 20	14 22	1 36	9 50	0 52	22 35	0 22	22 10	0 9	19 22	0 39	4 49	1 39	0 58	15 21	19 33	19 14	5 2	4 32	4 58
T 6	22 33	14 45	2 2	20 5	3 21	13 55	1 33	9 32	0 51	22 35	0 22	22 11	0 9	19 23	0 39	4 49	1 39	0 58	15 21	19 33	19 13	5 4	4 31	4 58
F 7	22 26	17 58	0 50	20 7	3 20	13 29	1 31	9 14	0 51	22 35	0 22	22 12	0 9	19 23	0 39	4 49	1 39	0 58	15 21	19 33	19 12	5 6	4 31	4 58
S 8	22 18	20 7	0n23	20 10	3 18	13 1	1 29	8 56	0 50	22 34	0 22	22 12	0 8	19 24	0 39	4 49	1 40	0 58	15 20	19 33	19 12	5 9	4 30	4 57
S 9	22 10	21 5	1 35	20 15	3 14	12 34	1 26	8 38	0 49	22 34	0 22	22 13	0 8	19 25	0 39	4 49	1 40	0 58	15 20	19 33	19 11	5 11	4 29	4 57
M10	22 1	20 49	2 40	20 21	3 8	12 6	1 23	8 20	0 48	22 33	0 22	22 14	0 8	19 25	0 39	4 49	1 40	0 59	15 20	19 32	19 10	5 13	4 28	4 57
T 11	21 52	19 23	3 36	20 27	3 1	11 38	1 20	8 2	0 47	22 33	0 21	22 14	0 8	19 26	0 39	4 49	1 40	0 59	15 19	19 31	19 9	5 15	4 27	4 56
W12	21 42	16 58	4 19	20 35	2 54	11 9	1 18	7 44	0 46	22 33	0 21	22 15	0 8	19 27	0 39	4 49	1 40	0 59	15 19	19 29	19 9	5 17	4 27	4 56
T 13	21 32	13 47	4 48	20 43	2 45	10 41	1 15	7 25	0 45	22 32	0 21	22 16	0 8	19 27	0 39	4 49	1 40	0 59	15 19	19 26	19 8	5 19	4 26	4 56
F 14	21 22	10 1	5 3	20 52	2 36	10 12	1 12	7 7	0 44	22 32	0 21	22 17	0 8	19 28	0 39	4 49	1 40	1 0	15 18	19 24	19 7	5 22	4 25	4 56
S 15	21 11	5 55	5 3	21 1	2 27	9 43	1 8	6 49	0 43	22 32	0 21	22 17	0 8	19 28	0 39	4 49	1 40	1 0	15 18	19 21	19 6	5 24	4 24	4 55
S 16	21 0	1 39	4 49	21 11	2 17	9 13	1 5	6 30	0 42	22 32	0 20	22 18	0 8	19 29	0 39	4 49	1 40	1 0	15 18	19 19	19 6	5 26	4 23	4 55
M17	20 48	2n37	4 23	21 20	2 7	8 44	1 2	6 12	0 42	22 31	0 20	22 19	0 7	19 30	0 39	4 49	1 40	1 0	15 17	19 17	19 5	5 28	4 22	4 55
T 18	20 36	6 46	3 45	21 29	1 57	8 14	0 58	5 53	0 41	22 31	0 20	22 20	0 7	19 30	0 39	4 49	1 40	1 1	15 17	19 16	19 4	5 30	4 21	4 55
W19	20 24	10 39	2 59	21 38	1 47	7 44	0 55	5 35	0 40	22 31	0 20	22 20	0 7	19 31	0 39	4 49	1 40	1 1	15 17	19 16	19 3	5 32	4 20	4 55
T 20	20 11	14 8	2 4	21 46	1 36	7 14	0 51	5 16	0 39	22 31	0 20	22 21	0 7	19 32	0 39	4 49	1 40	1 1	15 16	19 15	19 3	5 34	4 19	4 54
F 21	19 58	17 5	1 3	21 54	1 26	6 44	0 47	4 58	0 38	22 30	0 20	22 22	0 7	19 32	0 39	4 49	1 40	1 1	15 16	19 16	19 2	5 37	4 18	4 54
S 22	19 45	19 20	0s 2	22 2	1 16	6 13	0 43	4 39	0 37	22 30	0 19	22 22	0 7	19 33	0 39	4 49	1 40	1 2	15 16	19 16	19 1	5 39	4 17	4 54
S 23	19 31	20 42	1 9	22 8	1 6	5 43	0 40	4 20	0 36	22 30	0 19	22 23	0 7	19 34	0 39	4 49	1 40	1 2	15 15	19 15	19 0	5 41	4 16	4 54
M24	19 17	21 1	2 14	22 14	0 56	5 12	0 36	4 2	0 35	22 30	0 19	22 24	0 7	19 34	0 39	4 49	1 41	1 2	15 15	19 15	18 59	5 43	4 15	4 53
T 25	19 2	20 10	3 13	22 19	0 46	4 42	0 31	3 43	0 35	22 30	0 19	22 24	0 7	19 35	0 39	4 48	1 41	1 3	15 15	19 13	18 59	5 45	4 14	4 53
W26	18 47	18 7	4 3	22 23	0 37	4 11	0 27	3 24	0 34	22 30	0 19	22 25	0 6	19 36	0 39	4 48	1 41	1 3	15 14	19 11	18 58	5 47	4 13	4 53
T 27	18 32	14 55	4 40	22 27	0 27	3 40	0 23	3 6	0 33	22 29	0 18	22 26	0 6	19 36	0 39	4 48	1 41	1 3	15 14	19 9	18 57	5 49	4 12	4 53
F 28	18 16	10 47	4 59	22 29	0 18	3 9	0 19	2 47	0 32	22 29	0 18	22 26	0 6	19 37	0 39	4 48	1 41	1 4	15 14	19 6	18 56	5 52	4 11	4 53
S 29	18 0	5 57	4 59	22 30	0 9	2 38	0 14	2 28	0 31	22 29	0 18	22 27	0 6	19 38	0 39	4 48	1 41	1 4	15 13	19 4	18 56	5 54	4 10	4 52
S 30	17 44	0 45	4 39	22 31	0 0	2 7	0 10	2 9	0 30	22 29	0 18	22 27	0 6	19 38	0 39	4 47	1 41	1 4	15 13	19 1	18 55	5 56	4 8	4 52
M31	17s27	4s28	4s 1	22s30	0s 9	1s36	0s 5	1s51	0s29	22n29	0s18	22n28	0s 6	19n39	0n39	4s47	1n41	1n 5	15s13	18s59	18s54	5n58	4s 7	4n52

Julian Day Number = 2313483.5, Delta T = 64.73 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'52, Lahiri = 18°34'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

FEBRUARY 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 44 17	12♒11'16	16♎28	18♑42	27♓18	27♓14	16°R16	15°R35	5°R 8	16°R 5	12♉25	24°R39	24♏19	6♈15	7♓55	T 1
W 2	8 48 14	13°12'02	0♏43	20° 1	28°25	27°59	16♊14	15♋31	5♌ 5	16♎ 4	12°25	24♏37	24°16	6°21	7°58	W 2
T 3	8 52 10	14°12'48	14°42	21°21	29°31	28°44	16°13	15°27	5° 2	16° 4	12°25	24°D36	24°12	6°28	8° 2	T 3
F 4	8 56 7	15°13'33	28°25	22°42	0♈38	29°29	16°11	15°23	5° 0	16° 3	12°26	24°R37	24° 9	6°35	8° 6	F 4
S 5	9 0 3	16°14'16	11♐53	24° 5	1°44	0♈14	16°10	15°19	4°57	16° 2	12°26	24°36	24° 6	6°41	8° 9	S 5
S 6	9 4 0	17°14'59	25° 7	25°28	2°50	0°59	16° 9	15°16	4°55	16° 2	12°26	24°33	24° 3	6°48	8°13	S 6
M 7	9 7 57	18°15'40	8♑10	26°53	3°56	1°44	16° 9	15°12	4°52	16° 1	12°26	24°27	24° 0	6°55	8°17	M 7
T 8	9 11 53	19°16'20	21° 1	28°19	5° 2	2°29	16° 8	15° 8	4°50	16° 0	12°27	24°18	23°57	7° 1	8°20	T 8
W 9	9 15 50	20°16'59	3♒42	29°46	6° 7	3°13	16° 8	15° 5	4°47	16° 0	12°27	24° 6	23°53	7° 8	8°24	W 9
T 10	9 19 46	21°17'36	16°13	1♒14	7°12	3°58	16°D 8	15° 1	4°45	15°59	12°27	23°52	23°50	7°15	8°28	T 10
F 11	9 23 43	22°18'12	28°33	2°43	8°17	4°43	16° 8	14°58	4°42	15°58	12°28	23°38	23°47	7°21	8°32	F 11
S 12	9 27 39	23°18'46	10♓43	4°12	9°21	5°27	16° 8	14°54	4°40	15°57	12°28	23°23	23°44	7°28	8°35	S 12
S 13	9 31 36	24°19'18	22°45	5°43	10°25	6°12	16° 9	14°51	4°37	15°56	12°28	23°11	23°41	7°35	8°39	S 13
M14	9 35 32	25°19'49	4♈38	7°15	11°29	6°57	16°10	14°48	4°35	15°55	12°29	23° 0	23°37	7°41	8°43	M14
T 15	9 39 29	26°20'18	16°27	8°48	12°33	7°41	16°11	14°45	4°32	15°55	12°29	22°53	23°34	7°48	8°47	T 15
W16	9 43 26	27°20'45	28°15	10°22	13°36	8°26	16°12	14°42	4°30	15°54	12°30	22°49	23°31	7°55	8°51	W16
T 17	9 47 22	28°21'11	10♉ 6	11°56	14°39	9°10	16°13	14°39	4°28	15°53	12°30	22°47	23°28	8° 2	8°54	T 17
F 18	9 51 19	29°21'34	22° 4	13°32	15°41	9°54	16°15	14°36	4°25	15°52	12°31	22°46	23°25	8° 8	8°58	F 18
S 19	9 55 15	0♓21'56	4♊16	15° 9	16°43	10°39	16°17	14°33	4°23	15°51	12°31	22°46	23°22	8°15	9° 2	S 19
S 20	9 59 12	1°22'15	16°47	16°46	17°45	11°23	16°18	14°31	4°21	15°50	12°32	22°45	23°18	8°22	9° 6	S 20
M21	10 3 8	2°22'33	29°42	18°25	18°46	12° 7	16°21	14°28	4°19	15°49	12°32	22°43	23°15	8°28	9°10	M21
T 22	10 7 5	3°22'48	13♋ 5	20° 4	19°47	12°52	16°23	14°26	4°16	15°47	12°33	22°38	23°12	8°35	9°14	T 22
W23	10 11 1	4°23'02	26°57	21°45	20°48	13°36	16°25	14°24	4°14	15°46	12°33	22°30	23° 9	8°42	9°18	W23
T 24	10 14 58	5°23'13	11♌18	23°27	21°48	14°20	16°28	14°21	4°12	15°45	12°34	22°20	23° 6	8°48	9°21	T 24
F 25	10 18 55	6°23'22	26° 3	25° 9	22°48	15° 4	16°31	14°19	4°10	15°44	12°34	22° 9	23° 3	8°55	9°25	F 25
S 26	10 22 51	7°23'30	11♍ 4	26°53	23°47	15°48	16°34	14°17	4° 8	15°43	12°35	21°58	22°59	9° 2	9°29	S 26
S 27	10 26 48	8°23'36	26°13	28°38	24°45	16°32	16°37	14°15	4° 6	15°42	12°36	21°48	22°56	9° 8	9°33	S 27
M28	10 30 44	9♓23'39	11♎17	0♓24	25♈44	17♈16	16♊41	14♋14	4♌ 4	15♎40	12♉36	21♏40	22♏53	9♈15	9♓37	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s11	9s22	3s 7	22s28	0s17	1s 5	0s 0	1s32	0s28	22n29	0s17	22n29	0s 6	19n40	0n39	4s47	1n41	1n 5	15s12	18s58	18s53	6n 0	4s 6	4n52
W 2	16 53	13 40	2 3	22 24	0 25	0 34	0n 5	1 13	0 28	22 29	0 17	22 29	0 6	19 40	0 39	4 47	1 41	1 5	15 12	18 58	18 52	6 2	4 5	4 52
T 3	16 36	17 7	0 52	22 20	0 33	0 3	0 9	0 55	0 27	22 29	0 17	22 30	0 6	19 41	0 39	4 46	1 41	1 6	15 12	18 58	18 52	6 4	4 4	4 52
F 4	16 18	19 31	0n20	22 14	0 41	0n28	0 14	0 36	0 26	22 29	0 17	22 30	0 5	19 41	0 39	4 46	1 41	1 6	15 11	18 58	18 51	6 6	4 3	4 51
S 5	16 0	20 46	1 30	22 7	0 48	0 59	0 19	0 17	0 25	22 29	0 17	22 31	0 5	19 42	0 39	4 46	1 41	1 6	15 11	18 57	18 50	6 8	4 1	4 51
S 6	15 42	20 50	2 34	21 59	0 55	1 30	0 24	0n 1	0 24	22 29	0 17	22 32	0 5	19 43	0 39	4 46	1 41	1 7	15 11	18 57	18 49	6 11	4 0	4 51
M 7	15 23	19 46	3 28	21 50	1 2	2 1	0 30	0 20	0 23	22 30	0 16	22 32	0 5	19 43	0 39	4 45	1 41	1 7	15 10	18 55	18 49	6 13	3 59	4 51
T 8	15 4	17 42	4 11	21 39	1 8	2 32	0 35	0 39	0 23	22 30	0 16	22 33	0 5	19 44	0 39	4 45	1 41	1 8	15 10	18 53	18 48	6 15	3 58	4 51
W 9	14 45	14 48	4 41	21 27	1 14	3 3	0 40	0 57	0 22	22 30	0 16	22 33	0 5	19 44	0 39	4 45	1 41	1 8	15 10	18 50	18 47	6 17	3 56	4 51
T 10	14 26	11 17	4 57	21 14	1 20	3 33	0 45	1 16	0 21	22 30	0 16	22 34	0 5	19 45	0 39	4 44	1 41	1 8	15 9	18 47	18 46	6 19	3 55	4 51
F 11	14 6	7 20	4 58	20 59	1 26	4 4	0 51	1 34	0 20	22 30	0 16	22 34	0 5	19 46	0 39	4 44	1 42	1 9	15 9	18 43	18 45	6 21	3 54	4 50
S 12	13 46	3 9	4 46	20 43	1 31	4 35	0 56	1 53	0 19	22 30	0 16	22 35	0 5	19 46	0 39	4 44	1 42	1 9	15 9	18 39	18 45	6 23	3 53	4 50
S 13	13 26	1n 7	4 21	20 26	1 36	5 5	1 2	2 11	0 18	22 31	0 15	22 35	0 4	19 47	0 39	4 43	1 42	1 10	15 8	18 36	18 44	6 25	3 51	4 50
M14	13 6	5 17	3 45	20 7	1 41	5 35	1 7	2 29	0 18	22 31	0 15	22 36	0 4	19 47	0 39	4 43	1 42	1 10	15 8	18 34	18 43	6 27	3 50	4 50
T 15	12 46	9 14	2 59	19 47	1 45	6 5	1 13	2 48	0 17	22 31	0 15	22 36	0 4	19 48	0 39	4 42	1 42	1 11	15 8	18 32	18 42	6 29	3 49	4 50
W16	12 25	12 50	2 6	19 26	1 49	6 35	1 19	3 6	0 16	22 31	0 15	22 36	0 4	19 49	0 39	4 42	1 42	1 11	15 7	18 31	18 41	6 32	3 47	4 50
T 17	12 4	15 56	1 7	19 3	1 53	7 5	1 24	3 24	0 15	22 32	0 15	22 37	0 4	19 49	0 39	4 42	1 42	1 11	15 7	18 30	18 41	6 34	3 46	4 50
F 18	11 43	18 23	0 4	18 39	1 56	7 34	1 30	3 43	0 14	22 32	0 14	22 37	0 4	19 50	0 39	4 41	1 42	1 12	15 7	18 30	18 40	6 36	3 45	4 50
S 19	11 22	20 3	1s 1	18 13	1 59	8 4	1 36	4 1	0 14	22 32	0 14	22 38	0 4	19 50	0 39	4 41	1 42	1 12	15 6	18 30	18 39	6 38	3 43	4 49
S 20	11 1	20 47	2 4	17 46	2 2	8 33	1 42	4 19	0 13	22 33	0 14	22 38	0 4	19 51	0 39	4 40	1 42	1 13	15 6	18 30	18 38	6 40	3 42	4 49
M21	10 39	20 27	3 2	17 18	2 4	9 2	1 48	4 37	0 12	22 33	0 14	22 38	0 4	19 51	0 39	4 40	1 42	1 13	15 6	18 29	18 37	6 42	3 41	4 49
T 22	10 17	18 59	3 53	16 48	2 6	9 31	1 54	4 55	0 11	22 34	0 14	22 39	0 3	19 52	0 39	4 39	1 42	1 14	15 5	18 28	18 37	6 44	3 39	4 49
W23	9 55	16 21	4 32	16 17	2 7	9 59	2 0	5 13	0 10	22 34	0 14	22 39	0 3	19 52	0 39	4 39	1 42	1 14	15 5	18 26	18 36	6 46	3 38	4 49
T 24	9 33	12 41	4 56	15 45	2 8	10 27	2 6	5 31	0 10	22 34	0 13	22 40	0 3	19 53	0 39	4 38	1 42	1 15	15 5	18 23	18 35	6 48	3 37	4 49
F 25	9 11	8 9	5 1	15 11	2 9	10 55	2 12	5 49	0 9	22 35	0 13	22 40	0 3	19 53	0 39	4 38	1 42	1 15	15 4	18 21	18 34	6 50	3 35	4 49
S 26	8 49	3 2	4 45	14 35	2 9	11 23	2 18	6 6	0 8	22 35	0 13	22 40	0 3	19 54	0 39	4 37	1 42	1 16	15 4	18 18	18 33	6 52	3 34	4 49
S 27	8 26	2s18	4 9	13 59	2 8	11 51	2 24	6 24	0 7	22 36	0 13	22 40	0 3	19 54	0 39	4 37	1 42	1 16	15 4	18 15	18 33	6 54	3 33	4 49
M28	8s 4	7s29	3s16	13s21	2s 8	12n18	2n30	6n42	0s 7	22n36	0s13	22n41	0s 3	19n55	0n39	4s36	1n42	1n17	15s 3	18s13	18s32	6n56	3s31	4n49

Julian Day Number = 2313514.5, Delta T = 64.65 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°27'57, Lahiri = 18°34'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

MARCH 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 34 41	10♓23'42	26♎10	2♓11	26♈41	18♈ 0	16♊45	14°R12	4°R 2	15°R39	12♉37	21°R36	22♏50	9♈22	9♓41	T 1
W 2	10 38 37	11°23'42	10♏43	3°59	27°39	18°44	16°48	14♋10	4♌ 0	15♎38	12°38	21♏33	22°47	9°28	9°45	W 2
T 3	10 42 34	12°23'41	24°54	5°48	28°35	19°28	16°52	14° 9	3°58	15°37	12°39	21°D33	22°43	9°35	9°49	T 3
F 4	10 46 30	13°23'39	8♐41	7°38	29°31	20°12	16°57	14° 8	3°56	15°35	12°39	21°R33	22°40	9°42	9°52	F 4
S 5	10 50 27	14°23'34	22° 7	9°30	0♉27	20°55	17° 1	14° 6	3°54	15°34	12°40	21°33	22°37	9°48	9°56	S 5
S 6	10 54 24	15°23'29	5♑14	11°22	1°22	21°39	17° 5	14° 5	3°53	15°33	12°41	21°31	22°34	9°55	10° 0	S 6
M 7	10 58 20	16°23'21	18° 4	13°16	2°16	22°23	17°10	14° 4	3°51	15°31	12°42	21°27	22°31	10° 2	10° 4	M 7
T 8	11 2 17	17°23'12	0♒41	15°10	3°10	23° 6	17°15	14° 3	3°49	15°30	12°43	21°20	22°28	10° 8	10° 8	T 8
W 9	11 6 13	18°23'01	13° 6	17° 6	4° 3	23°50	17°20	14° 2	3°48	15°28	12°43	21°11	22°24	10°15	10°12	W 9
T 10	11 10 10	19°22'48	25°21	19° 3	4°55	24°34	17°25	14° 2	3°46	15°27	12°44	21° 0	22°21	10°22	10°16	T 10
F 11	11 14 6	20°22'33	7♓28	21° 1	5°47	25°17	17°31	14° 1	3°44	15°26	12°45	20°48	22°18	10°29	10°19	F 11
S 12	11 18 3	21°22'16	19°28	22°59	6°38	26° 1	17°36	14° 1	3°43	15°24	12°46	20°36	22°15	10°35	10°23	S 12
S 13	11 21 59	22°21'57	1♈23	24°58	7°28	26°44	17°42	14° 0	3°41	15°23	12°47	20°26	22°12	10°42	10°27	S 13
M14	11 25 56	23°21'36	13°13	26°58	8°17	27°27	17°48	14° 0	3°40	15°21	12°48	20°17	22° 8	10°49	10°31	M14
T 15	11 29 52	24°21'13	25° 1	28°59	9° 6	28°11	17°54	14° 0	3°39	15°20	12°49	20°11	22° 5	10°55	10°35	T 15
W16	11 33 49	25°20'48	6♉49	0♈59	9°53	28°54	18° 0	14°D 0	3°37	15°18	12°50	20° 8	22° 2	11° 2	10°38	W16
T 17	11 37 46	26°20'20	18°41	3° 0	10°40	29°37	18° 6	14° 0	3°36	15°17	12°51	20°D 7	21°59	11° 9	10°42	T 17
F 18	11 41 42	27°19'50	0♊40	5° 1	11°26	0♉20	18°13	14° 0	3°35	15°15	12°52	20° 7	21°56	11°15	10°46	F 18
S 19	11 45 39	28°19'19	12°52	7° 1	12°11	1° 4	18°20	14° 0	3°33	15°13	12°53	20° 9	21°53	11°22	10°50	S 19
S 20	11 49 35	29°18'44	25°20	9° 1	12°55	1°47	18°26	14° 1	3°32	15°12	12°54	20°R 9	21°49	11°29	10°53	S 20
M21	11 53 32	0♈18'08	8♋10	10°59	13°37	2°30	18°33	14° 1	3°31	15°10	12°55	20° 9	21°46	11°35	10°57	M21
T 22	11 57 28	1°17'29	21°26	12°57	14°19	3°13	18°40	14° 2	3°30	15° 9	12°56	20° 7	21°43	11°42	11° 1	T 22
W23	12 1 25	2°16'48	5♌11	14°52	15° 0	3°56	18°48	14° 3	3°29	15° 7	12°57	20° 3	21°40	11°49	11° 4	W23
T 24	12 5 21	3°16'04	19°26	16°45	15°39	4°39	18°55	14° 4	3°28	15° 6	12°58	19°58	21°37	11°55	11° 8	T 24
F 25	12 9 18	4°15'18	4♍ 8	18°36	16°18	5°22	19° 3	14° 5	3°27	15° 4	12°59	19°51	21°34	12° 2	11°12	F 25
S 26	12 13 15	5°14'30	19°10	20°24	16°55	6° 4	19°10	14° 6	3°26	15° 2	13° 0	19°44	21°30	12° 9	11°15	S 26
S 27	12 17 11	6°13'39	4♎25	22° 8	17°30	6°47	19°18	14° 7	3°26	15° 1	13° 1	19°38	21°27	12°15	11°19	S 27
M28	12 21 8	7°12'47	19°42	23°49	18° 5	7°30	19°26	14° 8	3°25	14°59	13° 2	19°33	21°24	12°22	11°23	M28
T 29	12 25 4	8°11'52	4♏49	25°25	18°38	8°13	19°34	14°10	3°24	14°57	13° 4	19°30	21°21	12°29	11°26	T 29
W30	12 29 1	9°10'56	19°39	26°57	19° 9	8°55	19°42	14°11	3°24	14°56	13° 5	19°D29	21°18	12°35	11°30	W30
T 31	12 32 57	10♈ 9'58	4♐ 6	28♈24	19♉39	9♉38	19♊51	14♋13	3♌23	14♎54	13♉ 6	19♏30	21♏14	12♈42	11♓33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s41	12s 9	2s10	12s41	2s 6	12n45	2n37	6n59	0s 6	22n37	0s13	22n41	0s 3	19n55	0n39	4s36	1n42	1n17	15s 3	18s12	18s31	6n58	3s30	4n49
W 2	7 18	15 58	0 57	12 0	2 5	13 11	2 43	7 17	0 5	22 37	0 12	22 41	0 3	19 56	0 39	4 35	1 42	1 18	15 3	18 11	18 30	7 0	3 28	4 49
T 3	6 55	18 44	0n18	11 18	2 2	13 37	2 49	7 34	0 4	22 38	0 12	22 42	0 2	19 56	0 39	4 35	1 42	1 18	15 3	18 11	18 29	7 3	3 27	4 49
F 4	6 32	20 19	1 30	10 34	2 0	14 3	2 55	7 51	0 4	22 39	0 12	22 42	0 2	19 56	0 39	4 34	1 43	1 19	15 2	18 11	18 29	7 5	3 26	4 49
S 5	6 9	20 40	2 35	9 50	1 57	14 29	3 1	8 8	0 3	22 39	0 12	22 42	0 2	19 57	0 39	4 34	1 43	1 19	15 2	18 11	18 28	7 7	3 24	4 49
S 6	5 46	19 53	3 30	9 3	1 53	14 54	3 8	8 25	0 2	22 40	0 12	22 42	0 2	19 57	0 39	4 33	1 43	1 20	15 2	18 11	18 27	7 9	3 23	4 49
M 7	5 23	18 4	4 14	8 16	1 49	15 19	3 14	8 42	0 1	22 40	0 12	22 43	0 2	19 58	0 39	4 33	1 43	1 20	15 1	18 10	18 26	7 11	3 21	4 49
T 8	5 0	15 25	4 44	7 27	1 44	15 43	3 20	8 59	0 1	22 41	0 12	22 43	0 2	19 58	0 39	4 32	1 43	1 21	15 1	18 8	18 25	7 13	3 20	4 48
W 9	4 36	12 7	5 0	6 37	1 39	16 8	3 26	9 16	0n 0	22 42	0 11	22 43	0 2	19 58	0 39	4 31	1 43	1 21	15 1	18 5	18 25	7 15	3 18	4 48
T 10	4 13	8 21	5 2	5 46	1 33	16 31	3 33	9 33	0 1	22 42	0 11	22 43	0 2	19 59	0 39	4 31	1 43	1 22	15 1	18 2	18 24	7 17	3 17	4 48
F 11	3 49	4 17	4 51	4 54	1 26	16 55	3 39	9 50	0 2	22 43	0 11	22 43	0 2	19 59	0 39	4 30	1 43	1 22	15 0	17 59	18 23	7 19	3 16	4 48
S 12	3 26	0 6	4 26	4 0	1 19	17 17	3 45	10 6	0 2	22 44	0 11	22 43	0 1	19 59	0 39	4 30	1 43	1 23	15 0	17 56	18 22	7 21	3 14	4 48
S 13	3 2	4n 4	3 50	3 6	1 12	17 40	3 51	10 22	0 3	22 44	0 11	22 44	0 1	20 0	0 39	4 29	1 43	1 23	15 0	17 53	18 21	7 23	3 13	4 48
M14	2 38	8 3	3 4	2 11	1 4	18 2	3 57	10 39	0 4	22 45	0 11	22 44	0 1	20 0	0 39	4 29	1 43	1 24	15 0	17 51	18 20	7 25	3 11	4 48
T 15	2 15	11 44	2 11	1 15	0 55	18 24	4 3	10 55	0 4	22 46	0 10	22 44	0 1	20 0	0 39	4 28	1 43	1 24	14 59	17 50	18 20	7 27	3 10	4 48
W16	1 51	14 56	1 11	0 19	0 46	18 45	4 9	11 11	0 5	22 46	0 10	22 44	0 1	20 1	0 39	4 27	1 43	1 25	14 59	17 49	18 19	7 29	3 8	4 48
T 17	1 27	17 32	0 8	0n38	0 36	19 5	4 15	11 27	0 6	22 47	0 10	22 44	0 1	20 1	0 39	4 27	1 43	1 25	14 59	17 48	18 18	7 31	3 7	4 48
F 18	1 4	19 25	0s57	1 36	0 26	19 26	4 21	11 43	0 7	22 48	0 10	22 44	0 1	20 1	0 39	4 26	1 43	1 26	14 59	17 49	18 17	7 33	3 6	4 48
S 19	0 40	20 25	1 59	2 33	0 16	19 45	4 27	11 59	0 7	22 49	0 10	22 44	0 1	20 1	0 39	4 25	1 43	1 26	14 58	17 49	18 16	7 35	3 4	4 48
S 20	0 16	20 26	2 58	3 30	0 5	20 5	4 33	12 14	0 8	22 49	0 10	22 44	0 1	20 2	0 39	4 25	1 43	1 27	14 58	17 49	18 15	7 37	3 3	4 49
M21	0n 7	19 25	3 50	4 27	0n 7	20 23	4 39	12 30	0 9	22 50	0 10	22 44	0 1	20 2	0 39	4 24	1 43	1 27	14 58	17 49	18 15	7 39	3 1	4 49
T 22	0 31	17 19	4 31	5 24	0 18	20 41	4 45	12 45	0 9	22 51	0 9	22 44	0 0	20 2	0 39	4 24	1 43	1 28	14 58	17 49	18 14	7 41	3 0	4 49
W23	0 54	14 11	4 58	6 20	0 30	20 59	4 50	13 1	0 10	22 51	0 9	22 44	0 0	20 2	0 39	4 23	1 43	1 28	14 57	17 47	18 13	7 43	2 58	4 49
T 24	1 18	10 8	5 8	7 14	0 42	21 16	4 56	13 16	0 11	22 52	0 9	22 44	0 0	20 3	0 39	4 22	1 43	1 29	14 57	17 46	18 12	7 45	2 57	4 49
F 25	1 42	5 22	4 59	8 8	0 54	21 33	5 1	13 31	0 11	22 53	0 9	22 44	0 0	20 3	0 39	4 22	1 43	1 29	14 57	17 44	18 11	7 47	2 56	4 49
S 26	2 5	0 10	4 29	9 0	1 6	21 49	5 6	13 46	0 12	22 54	0 9	22 44	0 0	20 3	0 39	4 21	1 43	1 30	14 57	17 42	18 11	7 49	2 54	4 49
S 27	2 29	5s 7	3 40	9 50	1 17	22 4	5 12	14 0	0 13	22 55	0 9	22 44	0n 0	20 3	0 39	4 20	1 43	1 30	14 57	17 41	18 10	7 51	2 53	4 49
M28	2 52	10 6	2 35	10 38	1 29	22 19	5 17	14 15	0 13	22 55	0 9	22 44	0 0	20 3	0 38	4 20	1 43	1 31	14 56	17 39	18 9	7 53	2 51	4 49
T 29	3 15	14 24	1 19	11 24	1 40	22 33	5 22	14 29	0 14	22 56	0 9	22 44	0 0	20 3	0 38	4 19	1 43	1 31	14 56	17 39	18 8	7 55	2 50	4 49
W30	3 39	17 40	0n 1	12 8	1 51	22 46	5 27	14 44	0 15	22 57	0 8	22 44	0 0	20 4	0 38	4 18	1 43	1 32	14 56	17 38	18 7	7 57	2 49	4 49
T 31	4n 2	19s43	1n19	12n50	2n 2	22n59	5n31	14n58	0n15	22n58	0s 8	22n44	0n 0	20n 4	0n38	4s18	1n43	1n32	14s56	17s38	18s 6	7n59	2s47	4n49

Julian Day Number = 2313542.5, Delta T = 64.58 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'01, Lahiri = 18°35'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

APRIL 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 36 54	11♈ 8'58	18♐ 7	29♈47	20♉ 7	10♉21	19♊59	14♋14	3°R22	14°R53	13♉ 7	19♏31	21♏11	12♈49	11♓37	F 1
S 2	12 40 50	12° 7'57	1♑41	1♉ 4	20°34	11° 3	20° 8	14°16	3♌22	14♎51	13° 8	19°33	21° 8	12°55	11°40	S 2
S 3	12 44 47	13° 6'53	14°51	2°15	20°59	11°46	20°16	14°18	3°21	14°49	13° 9	19°R33	21° 5	13° 2	11°44	S 3
M 4	12 48 44	14° 5'48	27°40	3°21	21°22	12°28	20°25	14°20	3°21	14°48	13°11	19°32	21° 2	13° 9	11°47	M 4
T 5	12 52 40	15° 4'41	10♒10	4°20	21°44	13°10	20°34	14°22	3°21	14°46	13°12	19°30	20°59	13°15	11°50	T 5
W 6	12 56 37	16° 3'33	22°27	5°14	22° 4	13°53	20°43	14°25	3°20	14°44	13°13	19°26	20°55	13°22	11°54	W 6
T 7	13 0 33	17° 2'22	4♓33	6° 2	22°22	14°35	20°52	14°27	3°20	14°43	13°14	19°21	20°52	13°29	11°57	T 7
F 8	13 4 30	18° 1'10	16°31	6°43	22°37	15°17	21° 2	14°29	3°20	14°41	13°15	19°15	20°49	13°35	12° 0	F 8
S 9	13 8 26	18°59'55	28°24	7°19	22°51	15°59	21°11	14°32	3°20	14°39	13°17	19° 9	20°46	13°42	12° 4	S 9
S 10	13 12 23	19°58'39	10♈14	7°48	23° 3	16°42	21°21	14°35	3°20	14°38	13°18	19° 4	20°43	13°49	12° 7	S 10
M11	13 16 19	20°57'21	22° 2	8°10	23°12	17°24	21°30	14°37	3°D20	14°36	13°19	19° 1	20°40	13°55	12°10	M11
T 12	13 20 16	21°56'01	3♉52	8°26	23°20	18° 6	21°40	14°40	3°20	14°34	13°20	18°58	20°36	14° 2	12°13	T 12
W13	13 24 12	22°54'39	15°44	8°36	23°25	18°48	21°50	14°43	3°20	14°33	13°22	18°D57	20°33	14° 9	12°16	W13
T 14	13 28 9	23°53'15	27°42	8°R40	23°27	19°30	22° 0	14°46	3°20	14°31	13°23	18°57	20°30	14°15	12°20	T 14
F 15	13 32 6	24°51'49	9♊48	8°38	23°R28	20°12	22°10	14°49	3°20	14°30	13°24	18°59	20°27	14°22	12°23	F 15
S 16	13 36 2	25°50'21	22° 5	8°31	23°26	20°54	22°20	14°53	3°21	14°28	13°26	19° 0	20°24	14°29	12°26	S 16
S 17	13 39 59	26°48'50	4♋37	8°18	23°21	21°36	22°30	14°56	3°21	14°26	13°27	19° 2	20°20	14°36	12°29	S 17
M18	13 43 55	27°47'18	17°28	8° 0	23°14	22°17	22°41	15° 0	3°21	14°25	13°28	19° 3	20°17	14°42	12°32	M18
T 19	13 47 52	28°45'43	0♌41	7°37	23° 5	22°59	22°51	15° 3	3°22	14°23	13°30	19°R 3	20°14	14°49	12°35	T 19
W20	13 51 48	29°44'06	14°18	7°10	22°53	23°41	23° 2	15° 7	3°22	14°22	13°31	19° 3	20°11	14°56	12°37	W20
T 21	13 55 45	0♉42'27	28°21	6°39	22°38	24°23	23°12	15°10	3°23	14°20	13°32	19° 1	20° 8	15° 2	12°40	T 21
F 22	13 59 41	1°40'46	12♍48	6° 5	22°22	25° 4	23°23	15°14	3°23	14°18	13°34	18°59	20° 5	15° 9	12°43	F 22
S 23	14 3 38	2°39'03	27°37	5°29	22° 2	25°46	23°34	15°18	3°24	14°17	13°35	18°57	20° 1	15°16	12°46	S 23
S 24	14 7 35	3°37'18	12♎41	4°52	21°41	26°27	23°45	15°22	3°25	14°15	13°36	18°55	19°58	15°22	12°49	S 24
M25	14 11 31	4°35'30	27°51	4°13	21°17	27° 9	23°56	15°26	3°25	14°14	13°38	18°54	19°55	15°29	12°51	M25
T 26	14 15 28	5°33'42	12♏58	3°34	20°51	27°50	24° 7	15°30	3°26	14°12	13°39	18°D53	19°52	15°36	12°54	T 26
W27	14 19 24	6°31'51	27°53	2°55	20°23	28°32	24°18	15°35	3°27	14°11	13°40	18°53	19°49	15°42	12°57	W27
T 28	14 23 21	7°29'59	12♐29	2°17	19°54	29°13	24°29	15°39	3°28	14° 9	13°42	18°54	19°45	15°49	12°59	T 28
F 29	14 27 17	8°28'05	26°40	1°42	19°22	29°55	24°40	15°43	3°29	14° 8	13°43	18°55	19°42	15°56	13° 2	F 29
S 30	14 31 14	9♉26'10	10♑24	1♉ 8	18♉49	0♊36	24♊52	15♋48	3♌30	14♎ 6	13♉44	18♏56	19♏39	16♈ 2	13♓ 4	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n25	20s28	2n29	13n28	2n12	23n11	5n36	15n12	0n16	22n58	0s 8	22n44	0n 1	20n 4	0n38	4s17	1n43	1n33	14s56	17s39	18s 6	8n 1	2s46	4n49
S 2	4 48	19 59	3 30	14 4	2 21	23 23	5 40	15 26	0 16	22 59	0 8	22 44	0 1	20 4	0 38	4 17	1 43	1 33	14 55	17 39	18 5	8 3	2 44	4 49
S 3	5 11	18 24	4 17	14 37	2 30	23 34	5 44	15 40	0 17	23 0	0 8	22 44	0 1	20 4	0 38	4 16	1 43	1 34	14 55	17 39	18 4	8 5	2 43	4 49
M 4	5 34	15 56	4 50	15 7	2 37	23 44	5 48	15 53	0 18	23 1	0 8	22 44	0 1	20 4	0 38	4 15	1 43	1 34	14 55	17 39	18 3	8 7	2 42	4 49
T 5	5 57	12 47	5 8	15 34	2 44	23 53	5 52	16 7	0 18	23 1	0 8	22 44	0 1	20 4	0 38	4 15	1 43	1 35	14 55	17 38	18 2	8 9	2 40	4 49
W 6	6 20	9 9	5 11	15 58	2 50	24 2	5 55	16 20	0 19	23 2	0 7	22 43	0 1	20 4	0 38	4 14	1 43	1 35	14 55	17 37	18 1	8 11	2 39	4 50
T 7	6 42	5 11	5 1	16 18	2 55	24 10	5 58	16 33	0 20	23 3	0 7	22 43	0 1	20 4	0 38	4 13	1 43	1 36	14 54	17 36	18 1	8 13	2 38	4 50
F 8	7 5	1 4	4 38	16 36	2 59	24 16	6 1	16 46	0 20	23 4	0 7	22 43	0 1	20 4	0 38	4 13	1 43	1 36	14 54	17 34	18 0	8 15	2 36	4 50
S 9	7 27	3n 4	4 2	16 50	3 1	24 23	6 4	16 59	0 21	23 5	0 7	22 43	0 1	20 4	0 38	4 12	1 43	1 37	14 54	17 33	17 59	8 17	2 35	4 50
S 10	7 50	7 4	3 17	17 1	3 3	24 28	6 6	17 12	0 21	23 5	0 7	22 43	0 1	20 4	0 38	4 11	1 43	1 37	14 54	17 31	17 58	8 19	2 34	4 50
M11	8 12	10 48	2 22	17 9	3 3	24 32	6 8	17 25	0 22	23 6	0 7	22 42	0 2	20 4	0 38	4 11	1 43	1 38	14 54	17 30	17 57	8 21	2 32	4 50
T 12	8 34	14 7	1 22	17 13	3 2	24 35	6 9	17 37	0 23	23 7	0 7	22 42	0 2	20 4	0 38	4 10	1 43	1 38	14 54	17 30	17 56	8 23	2 31	4 50
W13	8 56	16 52	0 18	17 14	3 0	24 38	6 10	17 49	0 23	23 8	0 7	22 42	0 2	20 4	0 38	4 10	1 43	1 39	14 54	17 30	17 55	8 24	2 30	4 50
T 14	9 17	18 54	0s48	17 12	2 56	24 39	6 11	18 1	0 24	23 8	0 6	22 42	0 2	20 4	0 38	4 9	1 43	1 39	14 53	17 30	17 55	8 26	2 28	4 50
F 15	9 39	20 7	1 52	17 6	2 51	24 40	6 11	18 13	0 24	23 9	0 6	22 42	0 2	20 4	0 38	4 8	1 43	1 40	14 53	17 30	17 54	8 28	2 27	4 51
S 16	10 0	20 23	2 53	16 58	2 44	24 39	6 11	18 25	0 25	23 10	0 6	22 41	0 2	20 4	0 38	4 8	1 43	1 40	14 53	17 30	17 53	8 30	2 26	4 51
S 17	10 21	19 39	3 46	16 46	2 36	24 37	6 11	18 36	0 25	23 10	0 6	22 41	0 2	20 4	0 38	4 7	1 43	1 41	14 53	17 31	17 52	8 32	2 25	4 51
M18	10 42	17 53	4 29	16 31	2 27	24 34	6 9	18 48	0 26	23 11	0 6	22 41	0 2	20 4	0 38	4 6	1 43	1 41	14 53	17 31	17 51	8 34	2 23	4 51
T 19	11 3	15 10	5 0	16 14	2 17	24 30	6 8	18 59	0 27	23 12	0 6	22 40	0 2	20 3	0 38	4 6	1 43	1 42	14 53	17 31	17 50	8 36	2 22	4 51
W20	11 24	11 33	5 15	15 54	2 5	24 25	6 5	19 10	0 27	23 12	0 6	22 40	0 2	20 3	0 38	4 5	1 43	1 42	14 53	17 31	17 49	8 38	2 21	4 51
T 21	11 45	7 12	5 12	15 31	1 52	24 18	6 3	19 21	0 28	23 13	0 6	22 40	0 2	20 3	0 38	4 5	1 43	1 43	14 53	17 31	17 49	8 40	2 20	4 51
F 22	12 5	2 19	4 49	15 7	1 38	24 10	5 59	19 32	0 28	23 14	0 5	22 39	0 3	20 3	0 38	4 4	1 43	1 43	14 53	17 30	17 48	8 42	2 18	4 52
S 23	12 25	2s50	4 7	14 41	1 23	24 1	5 55	19 42	0 29	23 14	0 5	22 39	0 3	20 3	0 38	4 3	1 43	1 43	14 53	17 29	17 47	8 44	2 17	4 52
S 24	12 45	7 54	3 7	14 13	1 7	23 51	5 50	19 53	0 29	23 15	0 5	22 39	0 3	20 3	0 38	4 3	1 43	1 44	14 52	17 29	17 46	8 46	2 16	4 52
M25	13 5	12 30	1 54	13 45	0 51	23 39	5 45	20 3	0 30	23 16	0 5	22 38	0 3	20 2	0 38	4 2	1 43	1 44	14 52	17 29	17 45	8 48	2 15	4 52
T 26	13 24	16 17	0 33	13 16	0 34	23 26	5 39	20 13	0 30	23 16	0 5	22 38	0 3	20 2	0 38	4 2	1 43	1 45	14 52	17 28	17 44	8 50	2 14	4 52
W27	13 43	18 55	0n50	12 46	0 17	23 12	5 32	20 23	0 31	23 17	0 5	22 37	0 3	20 2	0 38	4 1	1 43	1 45	14 52	17 28	17 44	8 51	2 13	4 52
T 28	14 2	20 14	2 7	12 17	0s 1	22 57	5 24	20 32	0 32	23 17	0 5	22 37	0 3	20 2	0 38	4 1	1 43	1 46	14 52	17 29	17 43	8 53	2 11	4 52
F 29	14 21	20 12	3 15	11 48	0 18	22 40	5 16	20 42	0 32	23 18	0 5	22 37	0 3	20 1	0 38	4 0	1 43	1 46	14 52	17 29	17 42	8 55	2 10	4 53
S 30	14n40	18s57	4n 9	11n21	0s35	22n22	5n 7	20n51	0n33	23n19	0s 5	22n36	0n 3	20n 1	0n38	4s 0	1n43	1n47	14s52	17s29	17s41	8n57	2s 9	4n53

Julian Day Number = 2313573.5, Delta T = 64.51 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'05, Lahiri = 18°35'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

MAY 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 35 10	10♉24'13	23♋42	0°R37	18°R15	1♊17	25♊ 3	15♋53	3♌31	14°R 5	13♉46	18♏56	19♏36	16♈ 9	13♓ 7	S 1
M 2	14 39 7	11°22'15	6♒36	0♉10	17♉39	1°58	25°15	15°57	3°32	14♎ 4	13°47	18°R57	19°33	16°16	13° 9	M 2
T 3	14 43 4	12°20'16	19° 9	29♈46	17° 3	2°40	25°26	16° 2	3°33	14° 2	13°48	18°57	19°30	16°22	13°12	T 3
W 4	14 47 0	13°18'15	1♓24	29°26	16°26	3°21	25°38	16° 7	3°35	14° 1	13°50	18°56	19°26	16°29	13°14	W 4
T 5	14 50 57	14°16'13	13°27	29°10	15°48	4° 2	25°50	16°12	3°36	13°59	13°51	18°56	19°23	16°36	13°16	T 5
F 6	14 54 53	15°14'10	25°21	28°59	15°10	4°43	26° 1	16°17	3°37	13°58	13°52	18°55	19°20	16°42	13°19	F 6
S 7	14 58 50	16°12'05	7♈10	28°53	14°33	5°24	26°13	16°22	3°38	13°57	13°54	18°55	19°17	16°49	13°21	S 7
S 8	15 2 46	17° 9'59	18°59	28°D50	13°55	6° 5	26°25	16°27	3°40	13°55	13°55	18°55	19°14	16°56	13°23	S 8
M 9	15 6 43	18° 7'51	0♉48	28°53	13°18	6°46	26°37	16°32	3°41	13°54	13°56	18°55	19°11	17° 2	13°25	M 9
T 10	15 10 39	19° 5'42	12°42	29° 0	12°42	7°27	26°49	16°37	3°43	13°53	13°58	18°55	19° 7	17° 9	13°27	T 10
W11	15 14 36	20° 3'32	24°43	29°12	12° 7	8° 8	27° 1	16°43	3°44	13°52	13°59	18°55	19° 4	17°16	13°29	W11
T 12	15 18 33	21° 1'20	6♊51	29°28	11°33	8°48	27°14	16°48	3°46	13°50	14° 1	18°55	19° 1	17°22	13°31	T 12
F 13	15 22 29	21°59'07	19°10	29°49	11° 0	9°29	27°26	16°54	3°48	13°49	14° 2	18°54	18°58	17°29	13°33	F 13
S 14	15 26 26	22°56'52	1♋41	0♉14	10°29	10°10	27°38	16°59	3°49	13°48	14° 3	18°54	18°55	17°36	13°35	S 14
S 15	15 30 22	23°54'36	14°26	0°43	10° 0	10°51	27°51	17° 5	3°51	13°47	14° 5	18°53	18°51	17°42	13°37	S 15
M16	15 34 19	24°52'18	27°26	1°16	9°32	11°31	28° 3	17°11	3°53	13°46	14° 6	18°53	18°48	17°49	13°38	M16
T 17	15 38 15	25°49'59	10♌43	1°53	9° 7	12°12	28°15	17°17	3°55	13°44	14° 7	18°52	18°45	17°56	13°40	T 17
W18	15 42 12	26°47'38	24°19	2°34	8°44	12°53	28°28	17°22	3°57	13°43	14° 9	18°D52	18°42	18° 2	13°42	W18
T 19	15 46 8	27°45'15	8♍13	3°19	8°22	13°33	28°41	17°28	3°59	13°42	14°10	18°52	18°39	18° 9	13°43	T 19
F 20	15 50 5	28°42'51	22°26	4° 8	8° 3	14°14	28°53	17°34	4° 1	13°41	14°11	18°53	18°36	18°16	13°45	F 20
S 21	15 54 2	29°40'25	6♎56	5° 0	7°47	14°54	29° 6	17°40	4° 3	13°40	14°13	18°53	18°32	18°22	13°46	S 21
S 22	15 57 58	0♊37'58	21°39	5°55	7°33	15°35	29°19	17°46	4° 5	13°39	14°14	18°54	18°29	18°29	13°48	S 22
M23	16 1 55	1°35'30	6♏29	6°54	7°21	16°15	29°31	17°53	4° 7	13°38	14°15	18°55	18°26	18°36	13°49	M23
T 24	16 5 51	2°33'00	21°20	7°56	7°12	16°55	29°44	17°59	4° 9	13°37	14°16	18°R55	18°23	18°42	13°51	T 24
W25	16 9 48	3°30'29	6♐ 5	9° 1	7° 5	17°36	29°57	18° 5	4°11	13°36	14°18	18°55	18°20	18°49	13°52	W25
T 26	16 13 44	4°27'57	20°35	10° 9	7° 0	18°16	0♋10	18°11	4°13	13°35	14°19	18°53	18°17	18°56	13°53	T 26
F 27	16 17 41	5°25'25	4♑47	11°20	6°D58	18°56	0°23	18°18	4°16	13°34	14°20	18°52	18°13	19° 2	13°54	F 27
S 28	16 21 37	6°22'51	18°34	12°35	6°58	19°37	0°36	18°24	4°18	13°34	14°22	18°49	18°10	19° 9	13°56	S 28
S 29	16 25 34	7°20'17	1♒57	13°52	7° 1	20°17	0°49	18°31	4°20	13°33	14°23	18°47	18° 7	19°16	13°57	S 29
M30	16 29 31	8°17'41	14°56	15°12	7° 6	20°57	1° 2	18°37	4°23	13°32	14°24	18°45	18° 4	19°22	13°58	M30
T 31	16 33 27	9♊15'06	27♒32	16♉35	7♉13	21♊37	1♋15	18♋44	4♌25	13♎31	14♉25	18♏44	18♏ 1	19♈29	13♓59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n58	16s41	4n47	10n55	0s51	22n 3	4n58	21n 0	0n33	23n19	0s 4	22n36	0n 3	20n 1	0n38	3s59	1n43	1n47	14s52	17s29	17s40	8n59	2s 8	4n53
M 2	15 16	13 39	5 10	10 30	1 8	21 44	4 48	21 9	0 34	23 20	0 4	22 35	0 3	20 1	0 38	3 58	1 43	1 47	14 52	17 29	17 39	9 1	2 7	4 53
T 3	15 34	10 5	5 17	10 7	1 23	21 23	4 37	21 17	0 34	23 20	0 4	22 35	0 4	20 0	0 37	3 58	1 43	1 48	14 52	17 29	17 38	9 3	2 6	4 53
W 4	15 52	6 10	5 10	9 46	1 38	21 1	4 26	21 26	0 35	23 21	0 4	22 34	0 4	20 0	0 37	3 57	1 43	1 48	14 52	17 29	17 37	9 5	2 5	4 54
T 5	16 9	2 4	4 49	9 27	1 52	20 39	4 14	21 34	0 35	23 21	0 4	22 34	0 4	20 0	0 37	3 57	1 43	1 49	14 52	17 29	17 37	9 7	2 4	4 54
F 6	16 26	2n 4	4 16	9 11	2 5	20 16	4 1	21 42	0 36	23 22	0 4	22 33	0 4	19 59	0 37	3 56	1 43	1 49	14 52	17 29	17 36	9 9	2 3	4 54
S 7	16 43	6 6	3 32	8 57	2 18	19 52	3 48	21 50	0 36	23 22	0 4	22 33	0 4	19 59	0 37	3 56	1 43	1 49	14 52	17 29	17 35	9 10	2 2	4 54
S 8	17 0	9 54	2 39	8 46	2 29	19 28	3 35	21 58	0 37	23 23	0 4	22 32	0 4	19 59	0 37	3 55	1 43	1 50	14 52	17 29	17 34	9 12	2 1	4 54
M 9	17 16	13 19	1 39	8 37	2 39	19 4	3 22	22 5	0 37	23 23	0 4	22 32	0 4	19 58	0 37	3 55	1 43	1 50	14 52	17 29	17 33	9 14	2 0	4 54
T 10	17 32	16 14	0 34	8 31	2 49	18 40	3 8	22 13	0 38	23 23	0 3	22 31	0 4	19 58	0 37	3 54	1 43	1 51	14 52	17 29	17 32	9 16	1 59	4 55
W11	17 48	18 28	0s32	8 27	2 57	18 15	2 54	22 20	0 38	23 24	0 3	22 31	0 4	19 57	0 37	3 54	1 43	1 51	14 52	17 29	17 31	9 18	1 58	4 55
T 12	18 3	19 53	1 38	8 25	3 5	17 51	2 40	22 27	0 38	23 24	0 3	22 30	0 4	19 57	0 37	3 54	1 43	1 51	14 52	17 29	17 31	9 20	1 57	4 55
F 13	18 18	20 23	2 40	8 27	3 11	17 27	2 25	22 34	0 39	23 25	0 3	22 29	0 4	19 57	0 37	3 53	1 43	1 52	14 52	17 29	17 30	9 22	1 56	4 55
S 14	18 33	19 53	3 36	8 30	3 17	17 4	2 11	22 40	0 39	23 25	0 3	22 29	0 4	19 56	0 37	3 53	1 43	1 52	14 52	17 29	17 29	9 24	1 55	4 55
S 15	18 47	18 22	4 22	8 36	3 21	16 41	1 57	22 46	0 40	23 25	0 3	22 28	0 5	19 56	0 37	3 52	1 43	1 52	14 52	17 28	17 28	9 25	1 54	4 56
M16	19 1	15 53	4 56	8 44	3 25	16 19	1 42	22 53	0 40	23 25	0 3	22 27	0 5	19 55	0 37	3 52	1 43	1 53	14 52	17 28	17 27	9 27	1 53	4 56
T 17	19 15	12 32	5 14	8 54	3 28	15 57	1 28	22 58	0 41	23 26	0 3	22 27	0 5	19 55	0 37	3 51	1 43	1 53	14 52	17 28	17 26	9 29	1 53	4 56
W18	19 29	8 28	5 16	9 6	3 30	15 36	1 14	23 4	0 41	23 26	0 3	22 26	0 5	19 54	0 37	3 51	1 43	1 53	14 52	17 28	17 25	9 31	1 52	4 56
T 19	19 42	3 52	5 0	9 20	3 31	15 16	1 0	23 10	0 42	23 26	0 3	22 25	0 5	19 54	0 37	3 51	1 42	1 54	14 52	17 28	17 24	9 33	1 51	4 57
F 20	19 55	1s 3	4 25	9 36	3 31	14 57	0 47	23 15	0 42	23 26	0 2	22 25	0 5	19 53	0 37	3 50	1 42	1 54	14 52	17 28	17 24	9 35	1 50	4 57
S 21	20 7	6 0	3 32	9 54	3 31	14 39	0 33	23 20	0 43	23 27	0 2	22 24	0 5	19 53	0 37	3 50	1 42	1 54	14 52	17 28	17 23	9 37	1 49	4 57
S 22	20 19	10 42	2 26	10 14	3 29	14 22	0 20	23 25	0 43	23 27	0 2	22 23	0 5	19 52	0 37	3 50	1 42	1 55	14 52	17 29	17 22	9 38	1 49	4 57
M23	20 31	14 47	1 8	10 35	3 27	14 7	0 8	23 30	0 43	23 27	0 2	22 23	0 5	19 52	0 37	3 49	1 42	1 55	14 52	17 29	17 21	9 40	1 48	4 57
T 24	20 43	17 55	0n13	10 57	3 24	13 52	0s 5	23 34	0 44	23 27	0 2	22 22	0 5	19 51	0 37	3 49	1 42	1 55	14 52	17 29	17 20	9 42	1 47	4 58
W25	20 54	19 50	1 34	11 21	3 21	13 38	0 17	23 39	0 44	23 27	0 2	22 21	0 5	19 51	0 37	3 48	1 42	1 55	14 52	17 29	17 19	9 44	1 46	4 58
T 26	21 5	20 23	2 47	11 47	3 17	13 26	0 28	23 43	0 45	23 27	0 2	22 20	0 5	19 50	0 37	3 48	1 42	1 56	14 52	17 28	17 18	9 46	1 46	4 58
F 27	21 15	19 37	3 47	12 13	3 12	13 14	0 40	23 46	0 45	23 27	0 2	22 20	0 6	19 50	0 37	3 48	1 42	1 56	14 53	17 28	17 17	9 48	1 45	4 58
S 28	21 25	17 41	4 33	12 41	3 7	13 4	0 51	23 50	0 46	23 27	0 2	22 19	0 6	19 49	0 37	3 48	1 42	1 56	14 53	17 27	17 16	9 49	1 44	4 59
S 29	21 35	14 51	5 2	13 9	3 1	12 55	1 1	23 54	0 46	23 28	0 2	22 18	0 6	19 49	0 37	3 47	1 42	1 57	14 53	17 27	17 16	9 51	1 44	4 59
M30	21 44	11 22	5 15	13 39	2 54	12 47	1 11	23 57	0 46	23 28	0 1	22 17	0 6	19 48	0 37	3 47	1 42	1 57	14 53	17 26	17 15	9 53	1 43	4 59
T 31	21n53	7s28	5n12	14n 9	2s47	12n40	1s21	24n 0	0n47	23n28	0s 1	22n16	0n 6	19n47	0n37	3s47	1n42	1n57	14s53	17s26	17s14	9n55	1s43	4n59

Julian Day Number = 2313603.5, Delta T = 64.43 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'09, Lahiri = 18°35'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

JUNE 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 37 24	10♊12'29	9♓50	18♉ 0	7♉22	22♊17	1♋28	18♋50	4♌28	13°R30	14♉27	18°D43	17♏57	19♈36	14♓ 0	W 1
T 2	16 41 20	11° 9'52	21°53	19°29	7°33	22°57	1°41	18°57	4°30	13♎30	14°28	18♏44	17°54	19°42	14° 0	T 2
F 3	16 45 17	12° 7'14	3♈47	21° 0	7°47	23°37	1°54	19° 4	4°33	13°29	14°29	18°45	17°51	19°49	14° 1	F 3
S 4	16 49 13	13° 4'36	15°36	22°34	8° 2	24°17	2° 7	19°10	4°35	13°28	14°30	18°46	17°48	19°56	14° 2	S 4
S 5	16 53 10	14° 1'57	27°24	24°11	8°19	24°57	2°21	19°17	4°38	13°28	14°32	18°48	17°45	20° 2	14° 3	S 5
M 6	16 57 6	14°59'18	9♉17	25°50	8°39	25°37	2°34	19°24	4°41	13°27	14°33	18°49	17°42	20° 9	14° 3	M 6
T 7	17 1 3	15°56'38	21°17	27°32	9° 0	26°17	2°47	19°31	4°43	13°27	14°34	18°R50	17°38	20°15	14° 4	T 7
W 8	17 5 0	16°53'57	3♊28	29°17	9°22	26°57	3° 0	19°38	4°46	13°26	14°35	18°49	17°35	20°22	14° 5	W 8
T 9	17 8 56	17°51'16	15°51	1♋ 5	9°47	27°37	3°14	19°45	4°49	13°25	14°36	18°46	17°32	20°29	14° 5	T 9
F 10	17 12 53	18°48'35	28°27	2°55	10°13	28°17	3°27	19°52	4°52	13°25	14°37	18°43	17°29	20°35	14° 5	F 10
S 11	17 16 49	19°45'53	11♋18	4°47	10°40	28°56	3°40	19°59	4°54	13°25	14°39	18°38	17°26	20°42	14° 6	S 11
S 12	17 20 46	20°43'10	24°23	6°42	11° 9	29°36	3°54	20° 6	4°57	13°24	14°40	18°33	17°23	20°49	14° 6	S 12
M13	17 24 42	21°40'26	7♌41	8°40	11°40	0♋16	4° 7	20°13	5° 0	13°24	14°41	18°28	17°19	20°55	14° 6	M13
T 14	17 28 39	22°37'42	21°13	10°39	12°12	0°55	4°21	20°21	5° 3	13°23	14°42	18°24	17°16	21° 2	14° 7	T 14
W15	17 32 35	23°34'57	4♍56	12°41	12°45	1°35	4°34	20°28	5° 6	13°23	14°43	18°21	17°13	21° 9	14° 7	W15
T 16	17 36 32	24°32'11	18°52	14°45	13°20	2°15	4°48	20°35	5° 9	13°23	14°44	18°D20	17°10	21°15	14° 7	T 16
F 17	17 40 29	25°29'24	2♎57	16°51	13°55	2°54	5° 1	20°42	5°12	13°23	14°45	18°20	17° 7	21°22	14°R 7	F 17
S 18	17 44 25	26°26'37	17°11	18°58	14°32	3°34	5°15	20°50	5°15	13°22	14°46	18°21	17° 3	21°29	14° 7	S 18
S 19	17 48 22	27°23'49	1♏33	21° 6	15°10	4°13	5°28	20°57	5°18	13°22	14°47	18°22	17° 0	21°35	14° 7	S 19
M20	17 52 18	28°21'01	15°59	23°16	15°50	4°53	5°42	21° 4	5°21	13°22	14°48	18°R23	16°57	21°42	14° 7	M20
T 21	17 56 15	29°18'12	0♐25	25°26	16°30	5°32	5°55	21°12	5°25	13°22	14°49	18°22	16°54	21°49	14° 6	T 21
W22	18 0 11	0♋15'23	14°48	27°37	17°11	6°12	6° 9	21°19	5°28	13°22	14°50	18°20	16°51	21°55	14° 6	W22
T 23	18 4 8	1°12'34	29° 1	29°48	17°54	6°51	6°22	21°27	5°31	13°22	14°51	18°16	16°48	22° 2	14° 6	T 23
F 24	18 8 4	2° 9'44	13♑ 0	1♋59	18°37	7°31	6°36	21°34	5°34	13°22	14°52	18°10	16°44	22° 9	14° 6	F 24
S 25	18 12 1	3° 6'54	26°40	4° 9	19°21	8°10	6°49	21°42	5°37	13°D22	14°53	18° 3	16°41	22°15	14° 5	S 25
S 26	18 15 58	4° 4'05	9♒59	6°20	20° 6	8°49	7° 3	21°49	5°41	13°22	14°54	17°55	16°38	22°22	14° 5	S 26
M27	18 19 54	5° 1'15	22°57	8°29	20°52	9°29	7°16	21°57	5°44	13°22	14°55	17°48	16°35	22°29	14° 4	M27
T 28	18 23 51	5°58'25	5♓34	10°37	21°39	10° 8	7°30	22° 4	5°47	13°22	14°56	17°43	16°32	22°35	14° 4	T 28
W29	18 27 47	6°55'36	17°52	12°44	22°26	10°47	7°43	22°12	5°51	13°22	14°57	17°39	16°29	22°42	14° 3	W29
T 30	18 31 44	7♋52'47	29♓56	14♋50	23♉15	11♋26	7♋57	22♋20	5♌54	13♎22	14♉58	17♏37	16♏25	22♈49	14♓ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 1	3s21	4n55	14n41	2s39	12n35	1s30	24n 3	0n47	23n27	0s 1	22n16	0n 6	19n47	0n37	3s47	1n42	1n57	14s53	17s26	17s13	9n57	1s42	4n59
T 2	22 10	0n49	4 25	15 13	2 31	12 30	1 39	24 5	0 48	23 27	0 1	22 15	0 6	19 46	0 37	3 46	1 42	1 58	14 53	17 26	17 12	9 59	1 42	5 0
F 3	22 17	4 55	3 43	15 45	2 23	12 26	1 48	24 8	0 48	23 27	0 1	22 14	0 6	19 45	0 37	3 46	1 42	1 58	14 53	17 26	17 11	10 0	1 41	5 0
S 4	22 25	8 49	2 53	16 18	2 14	12 23	1 56	24 10	0 48	23 27	0 1	22 13	0 6	19 45	0 37	3 46	1 42	1 58	14 53	17 26	17 10	10 2	1 41	5 0
S 5	22 32	12 22	1 55	16 51	2 4	12 22	2 3	24 12	0 49	23 27	0 1	22 12	0 6	19 44	0 37	3 46	1 42	1 58	14 53	17 27	17 9	10 4	1 40	5 0
M 6	22 38	15 27	0 52	17 24	1 54	12 21	2 11	24 14	0 49	23 27	0 1	22 11	0 6	19 44	0 37	3 45	1 42	1 58	14 54	17 27	17 8	10 6	1 40	5 1
T 7	22 45	17 54	0s14	17 58	1 44	12 21	2 18	24 16	0 50	23 27	0 1	22 10	0 6	19 43	0 37	3 45	1 42	1 59	14 54	17 27	17 8	10 8	1 39	5 1
W 8	22 50	19 35	1 20	18 31	1 34	12 22	2 24	24 17	0 50	23 27	0 1	22 9	0 7	19 42	0 37	3 45	1 42	1 59	14 54	17 27	17 7	10 9	1 39	5 1
T 9	22 56	20 22	2 23	19 4	1 23	12 23	2 31	24 18	0 50	23 26	0 0	22 8	0 7	19 41	0 37	3 45	1 42	1 59	14 54	17 27	17 6	10 11	1 38	5 1
F 10	23 1	20 8	3 20	19 36	1 12	12 26	2 37	24 19	0 51	23 26	0 0	22 7	0 7	19 41	0 37	3 45	1 42	1 59	14 54	17 26	17 5	10 13	1 38	5 2
S 11	23 5	18 53	4 9	20 8	1 1	12 29	2 42	24 20	0 51	23 26	0 0	22 6	0 7	19 40	0 37	3 45	1 41	1 59	14 54	17 24	17 4	10 15	1 38	5 2
S 12	23 10	16 37	4 45	20 39	0 50	12 33	2 48	24 20	0 51	23 26	0 0	22 6	0 7	19 39	0 37	3 45	1 41	2 0	14 54	17 23	17 3	10 17	1 37	5 2
M13	23 13	13 27	5 6	21 10	0 38	12 38	2 53	24 21	0 52	23 25	0 0	22 5	0 7	19 39	0 37	3 44	1 41	2 0	14 55	17 21	17 2	10 18	1 37	5 2
T 14	23 17	9 32	5 12	21 39	0 27	12 43	2 57	24 21	0 52	23 25	0n 0	22 4	0 7	19 38	0 37	3 44	1 41	2 0	14 55	17 20	17 1	10 20	1 37	5 2
W15	23 20	5 5	4 59	22 6	0 16	12 49	3 2	24 21	0 52	23 25	0 0	22 3	0 7	19 37	0 37	3 44	1 41	2 0	14 55	17 20	17 0	10 22	1 36	5 3
T 16	23 22	0 18	4 29	22 32	0 4	12 55	3 6	24 21	0 53	23 24	0 0	22 2	0 7	19 36	0 36	3 44	1 41	2 0	14 55	17 19	17 0	10 24	1 36	5 3
F 17	23 25	4s34	3 42	22 57	0n 7	13 2	3 10	24 20	0 53	23 24	0 0	22 1	0 7	19 36	0 36	3 44	1 41	2 0	14 55	17 19	16 59	10 25	1 36	5 3
S 18	23 26	9 15	2 42	23 19	0 17	13 9	3 13	24 20	0 53	23 23	0 0	21 59	0 7	19 35	0 36	3 44	1 41	2 0	14 55	17 19	16 58	10 27	1 36	5 3
S 19	23 28	13 27	1 30	23 39	0 28	13 17	3 16	24 19	0 54	23 23	0 1	21 58	0 7	19 34	0 36	3 44	1 41	2 1	14 56	17 20	16 57	10 29	1 35	5 4
M20	23 29	16 52	0 13	23 57	0 38	13 26	3 19	24 18	0 54	23 22	0 1	21 57	0 8	19 33	0 36	3 44	1 41	2 1	14 56	17 20	16 56	10 31	1 35	5 4
T 21	23 29	19 13	1n 5	24 12	0 47	13 34	3 22	24 17	0 54	23 22	0 1	21 56	0 8	19 33	0 36	3 44	1 41	2 1	14 56	17 20	16 55	10 33	1 35	5 4
W22	23 29	20 20	2 18	24 24	0 56	13 44	3 25	24 15	0 55	23 21	0 1	21 55	0 8	19 32	0 36	3 44	1 41	2 1	14 56	17 19	16 54	10 34	1 35	5 4
T 23	23 29	20 7	3 22	24 34	1 5	13 53	3 27	24 14	0 55	23 21	0 1	21 54	0 8	19 31	0 36	3 44	1 41	2 1	14 56	17 18	16 53	10 36	1 35	5 5
F 24	23 28	18 39	4 13	24 41	1 13	14 3	3 29	24 12	0 55	23 20	0 1	21 53	0 8	19 30	0 36	3 44	1 41	2 1	14 57	17 16	16 52	10 38	1 35	5 5
S 25	23 27	16 9	4 47	24 45	1 20	14 13	3 31	24 10	0 56	23 20	0 1	21 52	0 8	19 29	0 36	3 44	1 41	2 1	14 57	17 14	16 51	10 40	1 35	5 5
S 26	23 25	12 52	5 6	24 46	1 26	14 24	3 32	24 7	0 56	23 19	0 1	21 51	0 8	19 29	0 36	3 44	1 41	2 1	14 57	17 12	16 50	10 41	1 35	5 5
M27	23 23	9 3	5 7	24 45	1 32	14 34	3 34	24 5	0 56	23 18	0 1	21 50	0 8	19 28	0 36	3 44	1 41	2 1	14 57	17 10	16 50	10 43	1 35	5 5
T 28	23 21	4 56	4 54	24 40	1 37	14 45	3 35	24 2	0 57	23 18	0 1	21 49	0 8	19 27	0 36	3 44	1 41	2 1	14 57	17 9	16 49	10 45	1 35	5 6
W29	23 18	0 43	4 27	24 33	1 41	14 56	3 36	24 0	0 57	23 17	0 2	21 47	0 8	19 26	0 36	3 44	1 41	2 1	14 58	17 8	16 48	10 47	1 35	5 6
T 30	23n15	3n28	3n49	24n24	1n45	15n 8	3s36	23n57	0n57	23n16	0n 2	21n46	0n 8	19n25	0n36	3s45	1n41	2n 1	14s58	17s 7	16s47	10n48	1s35	5n 6

Julian Day Number = 2313634.5, Delta T = 64.36 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'13, Lahiri = 18°35'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

JULY 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 35 40	8♋49'58	11♈50	16♋54	24♉ 4	12♋ 5	8♋11	22♋27	5♌57	13♎22	14♉59	17°D37	16♏22	22♈55	14°R 2	F 1
S 2	18 39 37	9°47'09	23°40	18°57	24°53	12°45	8°24	22°35	6° 1	13°22	15° 0	17♏37	16°19	23° 2	14♓ 1	S 2
S 3	18 43 33	10°44'21	5♉30	20°58	25°44	13°24	8°38	22°42	6° 4	13°23	15° 1	17°38	16°16	23° 9	14° 0	S 3
M 4	18 47 30	11°41'34	17°25	22°57	26°35	14° 3	8°51	22°50	6° 8	13°23	15° 1	17°R39	16°13	23°15	13°59	M 4
T 5	18 51 27	12°38'47	29°31	24°54	27°27	14°42	9° 5	22°58	6°11	13°23	15° 2	17°38	16° 9	23°22	13°58	T 5
W 6	18 55 23	13°36'00	11♊50	26°50	28°19	15°21	9°18	23° 6	6°15	13°24	15° 3	17°36	16° 6	23°29	13°57	W 6
T 7	18 59 20	14°33'13	24°26	28°44	29°12	16° 0	9°32	23°13	6°18	13°24	15° 4	17°31	16° 3	23°35	13°56	T 7
F 8	19 3 16	15°30'27	7♋21	0♌36	0♊ 5	16°39	9°45	23°21	6°22	13°24	15° 5	17°23	16° 0	23°42	13°55	F 8
S 9	19 7 13	16°27'42	20°33	2°26	0°59	17°18	9°59	23°29	6°25	13°25	15° 5	17°14	15°57	23°49	13°54	S 9
S 10	19 11 9	17°24'56	4♌ 2	4°14	1°54	17°57	10°12	23°36	6°29	13°25	15° 6	17° 4	15°54	23°55	13°52	S 10
M11	19 15 6	18°22'11	17°45	6° 0	2°49	18°36	10°26	23°44	6°32	13°26	15° 7	16°55	15°50	24° 2	13°51	M11
T 12	19 19 3	19°19'27	1♍40	7°45	3°44	19°15	10°39	23°52	6°36	13°26	15° 7	16°46	15°47	24° 9	13°50	T 12
W13	19 22 59	20°16'42	15°41	9°27	4°40	19°54	10°53	24° 0	6°39	13°27	15° 8	16°40	15°44	24°15	13°48	W13
T 14	19 26 56	21°13'57	29°47	11° 8	5°37	20°33	11° 6	24° 8	6°43	13°27	15° 9	16°36	15°41	24°22	13°47	T 14
F 15	19 30 52	22°11'13	13♎56	12°46	6°33	21°12	11°20	24°15	6°47	13°28	15° 9	16°34	15°38	24°29	13°46	F 15
S 16	19 34 49	23° 8'29	28° 4	14°23	7°31	21°51	11°33	24°23	6°50	13°29	15°10	16°D34	15°35	24°35	13°44	S 16
S 17	19 38 45	24° 5'45	12♏12	15°58	8°28	22°30	11°46	24°31	6°54	13°29	15°11	16°R34	15°31	24°42	13°43	S 17
M18	19 42 42	25° 3'02	26°18	17°31	9°27	23° 8	12° 0	24°39	6°58	13°30	15°11	16°34	15°28	24°48	13°41	M18
T 19	19 46 38	26° 0'19	10♐20	19° 2	10°25	23°47	12°13	24°46	7° 1	13°31	15°12	16°32	15°25	24°55	13°39	T 19
W20	19 50 35	26°57'37	24°17	20°32	11°24	24°26	12°26	24°54	7° 5	13°32	15°12	16°27	15°22	25° 2	13°38	W20
T 21	19 54 32	27°54'55	8♑ 6	21°59	12°23	25° 5	12°40	25° 2	7° 9	13°33	15°13	16°20	15°19	25° 8	13°36	T 21
F 22	19 58 28	28°52'13	21°43	23°25	13°23	25°43	12°53	25°10	7°12	13°33	15°13	16°11	15°15	25°15	13°34	F 22
S 23	20 2 25	29°49'32	5♒ 6	24°48	14°23	26°22	13° 6	25°18	7°16	13°34	15°14	15°59	15°12	25°22	13°32	S 23
S 24	20 6 21	0♌46'52	18°13	26° 9	15°23	27° 1	13°19	25°25	7°20	13°35	15°14	15°48	15° 9	25°28	13°30	S 24
M25	20 10 18	1°44'13	1♓ 2	27°29	16°24	27°39	13°33	25°33	7°23	13°36	15°15	15°36	15° 6	25°35	13°28	M25
T 26	20 14 14	2°41'35	13°34	28°46	17°25	28°18	13°46	25°41	7°27	13°37	15°15	15°26	15° 3	25°42	13°26	T 26
W27	20 18 11	3°38'58	25°49	0♍ 1	18°26	28°57	13°59	25°49	7°31	13°38	15°16	15°19	15° 0	25°48	13°24	W27
T 28	20 22 7	4°36'22	7♈51	1°14	19°28	29°35	14°12	25°56	7°34	13°39	15°16	15°14	14°56	25°55	13°22	T 28
F 29	20 26 4	5°33'47	19°45	2°25	20°30	0♌14	14°25	26° 4	7°38	13°40	15°16	15°11	14°53	26° 2	13°20	F 29
S 30	20 30 0	6°31'14	1♉33	3°34	21°32	0°52	14°38	26°12	7°42	13°41	15°17	15°10	14°50	26° 8	13°18	S 30
S 31	20 33 57	7♌28'41	13♉23	4♍40	22♊34	1♌31	14♋51	26♋19	7♌46	13♎42	15♉17	15♏10	14♏47	26♈15	13♓16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n11	7n28	3n 1	24n12	1n48	15n19	3s37	23n53	0n58	23n16	0n 2	21n45	0n 8	19n24	0n36	3s45	1n40	2n 1	14s58	17s 7	16s46	10n50	1s35	5n 6
S 2	23 7	11 9	2 6	23 57	1 50	15 31	3 37	23 50	0 58	23 15	0 2	21 44	0 9	19 24	0 36	3 45	1 40	2 1	14 58	17 7	16 45	10 52	1 35	5 7
S 3	23 3	14 24	1 5	23 41	1 51	15 42	3 38	23 47	0 58	23 14	0 2	21 43	0 9	19 23	0 36	3 45	1 40	2 1	14 58	17 8	16 44	10 53	1 35	5 7
M 4	22 58	17 5	0 1	23 22	1 52	15 54	3 38	23 43	0 58	23 13	0 2	21 42	0 9	19 22	0 36	3 45	1 40	2 1	14 59	17 8	16 43	10 55	1 35	5 7
T 5	22 53	19 3	1s 3	23 1	1 52	16 6	3 37	23 39	0 59	23 13	0 2	21 40	0 9	19 21	0 36	3 45	1 40	2 1	14 59	17 8	16 42	10 57	1 36	5 7
W 6	22 47	20 10	2 6	22 39	1 51	16 18	3 37	23 35	0 59	23 12	0 2	21 39	0 9	19 20	0 36	3 45	1 40	2 1	14 59	17 7	16 41	10 59	1 36	5 7
T 7	22 41	20 18	3 4	22 15	1 50	16 29	3 37	23 30	0 59	23 11	0 2	21 38	0 9	19 19	0 36	3 46	1 40	2 1	14 59	17 5	16 40	11 0	1 36	5 8
F 8	22 35	19 23	3 54	21 49	1 48	16 41	3 36	23 26	1 0	23 10	0 2	21 37	0 9	19 18	0 36	3 46	1 40	2 1	15 0	17 3	16 40	11 2	1 36	5 8
S 9	22 28	17 25	4 32	21 22	1 45	16 53	3 35	23 21	1 0	23 9	0 2	21 35	0 9	19 17	0 36	3 46	1 40	2 1	15 0	17 1	16 39	11 4	1 36	5 8
S 10	22 21	14 29	4 56	20 53	1 42	17 5	3 34	23 16	1 0	23 8	0 3	21 34	0 9	19 17	0 36	3 46	1 40	2 1	15 0	16 58	16 38	11 6	1 37	5 8
M11	22 13	10 43	5 4	20 24	1 38	17 16	3 33	23 11	1 0	23 7	0 3	21 33	0 9	19 16	0 36	3 47	1 40	2 1	15 0	16 55	16 37	11 7	1 37	5 8
T 12	22 5	6 19	4 54	19 53	1 34	17 28	3 32	23 6	1 1	23 6	0 3	21 32	0 9	19 15	0 36	3 47	1 40	2 1	15 1	16 53	16 36	11 9	1 37	5 9
W13	21 57	1 34	4 26	19 21	1 29	17 39	3 31	23 1	1 1	23 5	0 3	21 30	0 10	19 14	0 36	3 47	1 40	2 1	15 1	16 51	16 35	11 11	1 38	5 9
T 14	21 48	3s19	3 42	18 49	1 24	17 51	3 29	22 55	1 1	23 4	0 3	21 29	0 10	19 13	0 36	3 47	1 40	2 1	15 1	16 50	16 34	11 12	1 38	5 9
F 15	21 39	8 2	2 45	18 16	1 18	18 2	3 28	22 49	1 1	23 3	0 3	21 28	0 10	19 12	0 36	3 48	1 40	2 1	15 1	16 49	16 33	11 14	1 38	5 9
S 16	21 30	12 19	1 37	17 42	1 12	18 13	3 26	22 44	1 2	23 2	0 3	21 27	0 10	19 11	0 36	3 48	1 40	2 1	15 2	16 49	16 32	11 16	1 39	5 9
S 17	21 20	15 54	0 23	17 7	1 5	18 24	3 24	22 37	1 2	23 1	0 3	21 25	0 10	19 10	0 36	3 48	1 40	2 1	15 2	16 49	16 31	11 17	1 39	5 9
M18	21 10	18 32	0n52	16 32	0 58	18 35	3 22	22 31	1 2	23 0	0 3	21 24	0 10	19 9	0 36	3 49	1 40	2 1	15 2	16 49	16 30	11 19	1 40	5 10
T 19	20 59	20 1	2 3	15 57	0 51	18 45	3 20	22 25	1 2	22 59	0 3	21 23	0 10	19 8	0 36	3 49	1 40	2 1	15 2	16 49	16 29	11 21	1 40	5 10
W20	20 48	20 16	3 6	15 21	0 43	18 55	3 18	22 18	1 3	22 58	0 4	21 21	0 10	19 7	0 36	3 49	1 40	2 0	15 3	16 47	16 28	11 22	1 41	5 10
T 21	20 37	19 17	3 58	14 46	0 35	19 5	3 16	22 12	1 3	22 57	0 4	21 20	0 10	19 6	0 36	3 50	1 39	2 0	15 3	16 45	16 28	11 24	1 41	5 10
F 22	20 26	17 12	4 35	14 10	0 27	19 15	3 14	22 5	1 3	22 55	0 4	21 19	0 10	19 5	0 36	3 50	1 39	2 0	15 3	16 43	16 27	11 26	1 42	5 10
S 23	20 14	14 14	4 56	13 34	0 18	19 24	3 11	21 58	1 3	22 54	0 4	21 17	0 10	19 5	0 36	3 50	1 39	2 0	15 4	16 39	16 26	11 27	1 42	5 10
S 24	20 1	10 37	5 1	12 58	0 9	19 34	3 9	21 50	1 4	22 53	0 4	21 16	0 10	19 4	0 36	3 51	1 39	2 0	15 4	16 36	16 25	11 29	1 43	5 11
M25	19 49	6 35	4 51	12 22	0s 1	19 42	3 6	21 43	1 4	22 52	0 4	21 15	0 11	19 3	0 36	3 51	1 39	2 0	15 4	16 33	16 24	11 31	1 44	5 11
T 26	19 36	2 22	4 27	11 46	0 10	19 51	3 3	21 35	1 4	22 51	0 4	21 13	0 11	19 2	0 36	3 52	1 39	2 0	15 4	16 30	16 23	11 32	1 44	5 11
W27	19 23	1n51	3 50	11 10	0 20	19 59	3 0	21 28	1 4	22 49	0 4	21 12	0 11	19 1	0 36	3 52	1 39	2 0	15 5	16 28	16 22	11 34	1 45	5 11
T 28	19 9	5 57	3 4	10 35	0 30	20 7	2 57	21 20	1 5	22 48	0 4	21 11	0 11	19 0	0 36	3 52	1 39	1 59	15 5	16 26	16 21	11 36	1 45	5 11
F 29	18 55	9 45	2 11	10 0	0 41	20 15	2 55	21 12	1 5	22 47	0 4	21 9	0 11	18 59	0 36	3 53	1 39	1 59	15 5	16 25	16 20	11 37	1 46	5 11
S 30	18 41	13 9	1 12	9 26	0 51	20 22	2 51	21 4	1 5	22 45	0 5	21 8	0 11	18 58	0 36	3 53	1 39	1 59	15 5	16 25	16 19	11 39	1 47	5 11
S 31	18n26	16n 2	0n 9	8n52	1s 2	20n29	2s48	20n55	1n 5	22n44	0n 5	21n 7	0n11	18n57	0n36	3s54	1n39	1n59	15s 6	16s25	16s18	11n41	1s47	5n12

Julian Day Number = 2313664.5, Delta T = 64.28 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'17, Lahiri = 18°35'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

AUGUST 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 37 54	8♌26'10	25♉20	5♍43	23♊37	2♌ 9	15♋ 4	26♋27	7♌49	13♎44	15♉17	15°R10	14♏44	26♈22	13°R14	M 1
T 2	20 41 50	9°23'41	7♊28	6°44	24°40	2°48	15°17	26°35	7°53	13°45	15°18	15♏ 9	14°40	26°28	13♓12	T 2
W 3	20 45 47	10°21'12	19°52	7°42	25°44	3°26	15°30	26°42	7°57	13°46	15°18	15° 5	14°37	26°35	13° 9	W 3
T 4	20 49 43	11°18'45	2♋37	8°37	26°47	4° 5	15°42	26°50	8° 0	13°47	15°18	14°59	14°34	26°42	13° 7	T 4
F 5	20 53 40	12°16'20	15°44	9°30	27°51	4°43	15°55	26°58	8° 4	13°48	15°18	14°50	14°31	26°48	13° 5	F 5
S 6	20 57 36	13°13'55	29°15	10°19	28°55	5°22	16° 8	27° 5	8° 8	13°50	15°19	14°39	14°28	26°55	13° 2	S 6
S 7	21 1 33	14°11'32	13♌ 6	11° 5	29°59	6° 0	16°21	27°13	8°12	13°51	15°19	14°27	14°25	27° 2	13° 0	S 7
M 8	21 5 30	15° 9'10	27°14	11°47	1♋ 4	6°39	16°33	27°20	8°15	13°52	15°19	14°16	14°21	27° 8	12°57	M 8
T 9	21 9 26	16° 6'49	11♍35	12°25	2° 8	7°17	16°46	27°28	8°19	13°54	15°19	14° 5	14°18	27°15	12°55	T 9
W10	21 13 23	17° 4'29	26° 1	13° 0	3°13	7°56	16°59	27°35	8°23	13°55	15°19	13°57	14°15	27°21	12°53	W10
T 11	21 17 19	18° 2'10	10♎27	13°31	4°18	8°34	17°11	27°43	8°26	13°56	15°19	13°52	14°12	27°28	12°50	T 11
F 12	21 21 16	18°59'53	24°48	13°57	5°24	9°12	17°23	27°50	8°30	13°58	15°19	13°49	14° 9	27°35	12°47	F 12
S 13	21 25 12	19°57'36	9♏ 3	14°19	6°29	9°51	17°36	27°58	8°34	13°59	15°19	13°48	14° 6	27°41	12°45	S 13
S 14	21 29 9	20°55'21	23° 8	14°35	7°35	10°29	17°48	28° 5	8°37	14° 1	15°19	13°48	14° 2	27°48	12°42	S 14
M15	21 33 5	21°53'06	7♐ 3	14°47	8°41	11° 7	18° 0	28°12	8°41	14° 2	15°R19	13°48	13°59	27°55	12°40	M15
T 16	21 37 2	22°50'53	20°48	14°54	9°47	11°46	18°13	28°20	8°45	14° 4	15°19	13°45	13°56	28° 1	12°37	T 16
W17	21 40 58	23°48'41	4♑24	14°R55	10°53	12°24	18°25	28°27	8°48	14° 5	15°19	13°41	13°53	28° 8	12°34	W17
T 18	21 44 55	24°46'30	17°49	14°50	12° 0	13° 2	18°37	28°34	8°52	14° 7	15°19	13°33	13°50	28°15	12°32	T 18
F 19	21 48 52	25°44'21	1♒ 3	14°40	13° 7	13°40	18°49	28°42	8°55	14° 9	15°19	13°23	13°46	28°21	12°29	F 19
S 20	21 52 48	26°42'13	14° 5	14°23	14°13	14°19	19° 1	28°49	8°59	14°10	15°19	13°11	13°43	28°28	12°26	S 20
S 21	21 56 45	27°40'06	26°53	14° 1	15°21	14°57	19°13	28°56	9° 3	14°12	15°19	12°59	13°40	28°35	12°23	S 21
M22	22 0 41	28°38'01	9♓28	13°33	16°28	15°35	19°25	29° 3	9° 6	14°14	15°19	12°47	13°37	28°41	12°21	M22
T 23	22 4 38	29°35'57	21°49	12°59	17°35	16°13	19°37	29°10	9°10	14°15	15°19	12°36	13°34	28°48	12°18	T 23
W24	22 8 34	0♍33'55	3♈58	12°19	18°43	16°51	19°48	29°17	9°13	14°17	15°19	12°28	13°31	28°55	12°15	W24
T 25	22 12 31	1°31'55	15°56	11°35	19°50	17°30	20° 0	29°24	9°17	14°19	15°18	12°22	13°27	29° 1	12°12	T 25
F 26	22 16 27	2°29'57	27°46	10°46	20°58	18° 8	20°12	29°31	9°20	14°20	15°18	12°19	13°24	29° 8	12° 9	F 26
S 27	22 20 24	3°28'00	9♉34	9°53	22° 6	18°46	20°23	29°38	9°24	14°22	15°18	12°D18	13°21	29°15	12° 7	S 27
S 28	22 24 21	4°26'06	21°22	8°57	23°15	19°24	20°35	29°45	9°27	14°24	15°18	12°18	13°18	29°21	12° 4	S 28
M29	22 28 17	5°24'13	3♊18	8° 0	24°23	20° 2	20°46	29°52	9°31	14°26	15°17	12°R19	13°15	29°28	12° 1	M29
T 30	22 32 14	6°22'23	15°25	7° 2	25°31	20°40	20°57	29°59	9°34	14°28	15°17	12°18	13°12	29°34	11°58	T 30
W31	22 36 10	7♍20'34	27♊49	6♍ 4	26♋40	21♌18	21♋ 8	0♌ 6	9♌37	14♎30	15♉17	12♏16	13♏ 8	29♈41	11♓55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n11	18n16	0s54	8n18	1s13	20n35	2s45	20n47	1n 5	22n43	0n 5	21n 5	0n11	18n56	0n36	3s54	1n39	1n59	15s 6	16s25	16s17	11n42	1s48	5n12
T 2	17 56	19 42	1 55	7 46	1 24	20 41	2 42	20 38	1 6	22 41	0 5	21 4	0 11	18 55	0 36	3 55	1 39	1 58	15 6	16 25	16 16	11 44	1 49	5 12
W 3	17 41	20 14	2 53	7 14	1 35	20 46	2 39	20 29	1 6	22 40	0 5	21 3	0 11	18 54	0 36	3 55	1 39	1 58	15 7	16 24	16 15	11 46	1 50	5 12
T 4	17 25	19 44	3 43	6 43	1 46	20 52	2 35	20 21	1 6	22 39	0 5	21 1	0 11	18 53	0 36	3 56	1 39	1 58	15 7	16 22	16 14	11 47	1 50	5 12
F 5	17 9	18 12	4 23	6 13	1 57	20 56	2 32	20 12	1 6	22 37	0 5	21 0	0 12	18 52	0 36	3 56	1 39	1 58	15 7	16 19	16 14	11 49	1 51	5 12
S 6	16 53	15 37	4 50	5 44	2 8	21 1	2 28	20 2	1 6	22 36	0 5	20 58	0 12	18 51	0 36	3 57	1 39	1 58	15 7	16 16	16 13	11 51	1 52	5 12
S 7	16 36	12 7	5 1	5 16	2 20	21 4	2 25	19 53	1 7	22 34	0 5	20 57	0 12	18 50	0 36	3 57	1 39	1 57	15 8	16 12	16 12	11 52	1 53	5 12
M 8	16 19	7 52	4 53	4 50	2 31	21 8	2 21	19 44	1 7	22 33	0 5	20 56	0 12	18 49	0 36	3 58	1 39	1 57	15 8	16 9	16 11	11 54	1 54	5 12
T 9	16 2	3 7	4 27	4 25	2 42	21 10	2 18	19 34	1 7	22 31	0 6	20 54	0 12	18 48	0 36	3 59	1 39	1 57	15 8	16 6	16 10	11 55	1 55	5 12
W10	15 45	1s50	3 44	4 1	2 53	21 13	2 14	19 24	1 7	22 30	0 6	20 53	0 12	18 47	0 36	3 59	1 39	1 57	15 9	16 3	16 9	11 57	1 56	5 13
T 11	15 27	6 42	2 47	3 40	3 4	21 15	2 10	19 14	1 7	22 29	0 6	20 51	0 12	18 46	0 36	4 0	1 39	1 56	15 9	16 2	16 8	11 59	1 56	5 13
F 12	15 9	11 9	1 39	3 20	3 15	21 16	2 7	19 4	1 8	22 27	0 6	20 50	0 12	18 46	0 36	4 0	1 38	1 56	15 9	16 1	16 7	12 0	1 57	5 13
S 13	14 51	14 56	0 25	3 2	3 25	21 17	2 3	18 54	1 8	22 26	0 6	20 49	0 12	18 45	0 36	4 1	1 38	1 56	15 9	16 1	16 6	12 2	1 58	5 13
S 14	14 33	17 48	0n49	2 46	3 35	21 17	1 59	18 44	1 8	22 24	0 6	20 47	0 12	18 44	0 36	4 2	1 38	1 56	15 10	16 1	16 5	12 4	1 59	5 13
M15	14 14	19 34	2 0	2 33	3 45	21 17	1 55	18 34	1 8	22 23	0 6	20 46	0 13	18 43	0 36	4 2	1 38	1 55	15 10	16 1	16 4	12 5	2 0	5 13
T 16	13 56	20 8	3 2	2 22	3 53	21 16	1 51	18 23	1 8	22 21	0 6	20 45	0 13	18 42	0 36	4 3	1 38	1 55	15 10	16 0	16 3	12 7	2 1	5 13
W17	13 37	19 31	3 54	2 14	4 2	21 15	1 47	18 13	1 8	22 19	0 6	20 43	0 13	18 41	0 36	4 3	1 38	1 55	15 11	15 59	16 2	12 8	2 2	5 13
T 18	13 17	17 48	4 32	2 9	4 9	21 13	1 44	18 2	1 9	22 18	0 7	20 42	0 13	18 40	0 36	4 4	1 38	1 55	15 11	15 56	16 1	12 10	2 3	5 13
F 19	12 58	15 10	4 54	2 7	4 16	21 11	1 40	17 51	1 9	22 16	0 7	20 40	0 13	18 39	0 36	4 5	1 38	1 54	15 11	15 53	16 0	12 11	2 4	5 13
S 20	12 38	11 50	5 1	2 8	4 22	21 8	1 36	17 40	1 9	22 15	0 7	20 39	0 13	18 38	0 36	4 5	1 38	1 54	15 11	15 50	15 59	12 13	2 5	5 13
S 21	12 18	7 59	4 53	2 12	4 26	21 5	1 32	17 29	1 9	22 13	0 7	20 38	0 13	18 37	0 36	4 6	1 38	1 54	15 12	15 46	15 58	12 15	2 6	5 13
M22	11 58	3 52	4 30	2 20	4 29	21 1	1 28	17 18	1 9	22 12	0 7	20 36	0 13	18 36	0 37	4 7	1 38	1 53	15 12	15 42	15 57	12 16	2 7	5 13
T 23	11 38	0n20	3 54	2 31	4 31	20 57	1 24	17 7	1 9	22 10	0 7	20 35	0 13	18 35	0 37	4 7	1 38	1 53	15 12	15 39	15 56	12 18	2 8	5 13
W24	11 18	4 28	3 9	2 46	4 31	20 52	1 20	16 55	1 10	22 8	0 7	20 34	0 13	18 34	0 37	4 8	1 38	1 53	15 13	15 37	15 56	12 19	2 9	5 13
T 25	10 57	8 22	2 16	3 4	4 30	20 46	1 16	16 44	1 10	22 7	0 7	20 32	0 14	18 33	0 37	4 9	1 38	1 52	15 13	15 35	15 55	12 21	2 10	5 13
F 26	10 36	11 54	1 17	3 26	4 27	20 40	1 12	16 32	1 10	22 5	0 7	20 31	0 14	18 32	0 37	4 10	1 38	1 52	15 13	15 34	15 54	12 23	2 11	5 13
S 27	10 15	14 56	0 15	3 51	4 21	20 33	1 8	16 20	1 10	22 4	0 8	20 29	0 14	18 32	0 37	4 10	1 38	1 52	15 13	15 34	15 53	12 24	2 12	5 13
S 28	9 54	17 22	0s48	4 18	4 14	20 26	1 4	16 8	1 10	22 2	0 8	20 28	0 14	18 31	0 37	4 11	1 38	1 51	15 14	15 34	15 52	12 26	2 13	5 13
M29	9 33	19 4	1 50	4 48	4 5	20 18	1 0	15 57	1 10	22 0	0 8	20 27	0 14	18 30	0 37	4 12	1 38	1 51	15 14	15 34	15 51	12 27	2 15	5 13
T 30	9 11	19 55	2 47	5 19	3 54	20 10	0 56	15 44	1 10	21 59	0 8	20 25	0 14	18 29	0 37	4 12	1 38	1 51	15 14	15 34	15 50	12 29	2 16	5 13
W31	8n50	19n50	3s38	5n52	3s41	20n 1	0s52	15n32	1n10	21n57	0n 8	20n24	0n14	18n28	0n37	4s13	1n38	1n50	15s15	15s33	15s49	12n30	2s17	5n13

Julian Day Number = 2313695.5, Delta T = 64.21 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'22, Lahiri = 18°35'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

SEPTEMBER 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 40 7	8♍18'48	10♋36	5°R 8	27♋49	21♌56	21♋20	0♌12	9♌41	14♎31	15°R17	12°R12	13♏ 5	29♈48	11°R52	T 1
F 2	22 44 3	9°17'04	23°48	4♍16	28°58	22°35	21°31	0°19	9°44	14°33	15♉16	12♏ 6	13° 2	29°54	11♓50	F 2
S 3	22 48 0	10°15'21	7♌26	3°27	0♌ 7	23°13	21°42	0°26	9°48	14°35	15°16	11°57	12°59	0♉ 1	11°47	S 3
S 4	22 51 56	11°13'41	21°30	2°45	1°16	23°51	21°52	0°32	9°51	14°37	15°15	11°48	12°56	0° 8	11°44	S 4
M 5	22 55 53	12°12'02	5♍57	2° 9	2°26	24°29	22° 3	0°39	9°54	14°39	15°15	11°38	12°52	0°14	11°41	M 5
T 6	22 59 50	13°10'25	20°39	1°40	3°35	25° 7	22°14	0°45	9°57	14°41	15°15	11°30	12°49	0°21	11°38	T 6
W 7	23 3 46	14° 8'50	5♎29	1°20	4°45	25°45	22°25	0°51	10° 1	14°43	15°14	11°23	12°46	0°28	11°35	W 7
T 8	23 7 43	15° 7'17	20°19	1° 9	5°54	26°23	22°35	0°58	10° 4	14°45	15°14	11°19	12°43	0°34	11°32	T 8
F 9	23 11 39	16° 5'46	5♏ 2	1°D 7	7° 4	27° 1	22°46	1° 4	10° 7	14°47	15°13	11°D17	12°40	0°41	11°29	F 9
S 10	23 15 36	17° 4'16	19°31	1°14	8°14	27°39	22°56	1°10	10°10	14°49	15°13	11°17	12°37	0°48	11°27	S 10
S 11	23 19 32	18° 2'48	3♐45	1°30	9°24	28°17	23° 6	1°16	10°13	14°51	15°12	11°18	12°33	0°54	11°24	S 11
M12	23 23 29	19° 1'21	17°42	1°56	10°35	28°55	23°16	1°23	10°16	14°53	15°12	11°R19	12°30	1° 1	11°21	M12
T 13	23 27 25	19°59'56	1♑21	2°31	11°45	29°33	23°26	1°29	10°19	14°55	15°11	11°18	12°27	1° 8	11°18	T 13
W14	23 31 22	20°58'33	14°44	3°15	12°55	0♍11	23°36	1°35	10°23	14°57	15°10	11°16	12°24	1°14	11°15	W14
T 15	23 35 19	21°57'11	27°52	4° 7	14° 6	0°49	23°46	1°40	10°26	14°59	15°10	11°11	12°21	1°21	11°12	T 15
F 16	23 39 15	22°55'52	10♒47	5° 6	15°17	1°27	23°56	1°46	10°29	15° 1	15° 9	11° 4	12°17	1°27	11°10	F 16
S 17	23 43 12	23°54'33	23°29	6°13	16°28	2° 5	24° 5	1°52	10°31	15° 4	15° 9	10°56	12°14	1°34	11° 7	S 17
S 18	23 47 8	24°53'17	5♓59	7°26	17°38	2°43	24°15	1°58	10°34	15° 6	15° 8	10°48	12°11	1°41	11° 4	S 18
M19	23 51 5	25°52'03	18°18	8°45	18°49	3°20	24°24	2° 3	10°37	15° 8	15° 7	10°40	12° 8	1°47	11° 1	M19
T 20	23 55 1	26°50'50	0♈26	10° 9	20° 1	3°58	24°34	2° 9	10°40	15°10	15° 7	10°33	12° 5	1°54	10°58	T 20
W21	23 58 58	27°49'40	12°26	11°37	21°12	4°36	24°43	2°15	10°43	15°12	15° 6	10°27	12° 2	2° 1	10°56	W21
T 22	0 2 54	28°48'32	24°19	13°10	22°23	5°14	24°52	2°20	10°46	15°14	15° 5	10°24	11°58	2° 7	10°53	T 22
F 23	0 6 51	29°47'25	6♉ 7	14°46	23°35	5°52	25° 1	2°25	10°48	15°16	15° 4	10°D22	11°55	2°14	10°50	F 23
S 24	0 10 47	0♎46'21	17°53	16°24	24°46	6°30	25°10	2°31	10°51	15°19	15° 4	10°22	11°52	2°21	10°48	S 24
S 25	0 14 44	1°45'20	29°42	18° 5	25°58	7° 8	25°18	2°36	10°54	15°21	15° 3	10°24	11°49	2°27	10°45	S 25
M26	0 18 41	2°44'20	11♊37	19°48	27° 9	7°46	25°27	2°41	10°56	15°23	15° 2	10°25	11°46	2°34	10°42	M26
T 27	0 22 37	3°43'23	23°43	21°32	28°21	8°23	25°35	2°46	10°59	15°25	15° 1	10°27	11°43	2°41	10°40	T 27
W28	0 26 34	4°42'28	6♋ 5	23°17	29°33	9° 1	25°44	2°51	11° 2	15°27	15° 1	10°R27	11°39	2°47	10°37	W28
T 29	0 30 30	5°41'36	18°48	25° 3	0♍45	9°39	25°52	2°56	11° 4	15°30	15° 0	10°26	11°36	2°54	10°35	T 29
F 30	0 34 27	6♎40'46	1♌56	26♍49	1♍57	10♍17	26♋ 0	3♌ 1	11♌ 7	15♎32	14♉59	10♏24	11♏33	3♉ 1	10♓32	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n28	18n45	4s20	6n26	3s27	19n51	0s48	15n20	1n11	21n56	0n 8	20n23	0n14	18n27	0n37	4s14	1n38	1n50	15s15	15s32	15s48	12n32	2s18	5n13
F 2	8 6	16 38	4 49	7 0	3 11	19 41	0 44	15 8	1 11	21 54	0 8	20 21	0 14	18 26	0 37	4 15	1 38	1 50	15 15	15 30	15 47	12 33	2 19	5 13
S 3	7 44	13 33	5 4	7 33	2 54	19 31	0 40	14 55	1 11	21 52	0 8	20 20	0 14	18 25	0 37	4 15	1 38	1 49	15 15	15 27	15 46	12 35	2 20	5 13
S 4	7 22	9 37	5 0	8 5	2 36	19 19	0 36	14 43	1 11	21 51	0 9	20 19	0 15	18 24	0 37	4 16	1 38	1 49	15 16	15 24	15 45	12 37	2 21	5 13
M 5	7 0	5 2	4 38	8 36	2 17	19 8	0 33	14 30	1 11	21 49	0 9	20 17	0 15	18 24	0 37	4 17	1 38	1 49	15 16	15 21	15 44	12 38	2 22	5 13
T 6	6 37	0 5	3 57	9 4	1 58	18 55	0 29	14 18	1 11	21 48	0 9	20 16	0 15	18 23	0 37	4 18	1 38	1 48	15 16	15 19	15 43	12 40	2 24	5 13
W 7	6 15	4s56	3 0	9 30	1 38	18 43	0 25	14 5	1 11	21 46	0 9	20 15	0 15	18 22	0 37	4 19	1 38	1 48	15 16	15 17	15 42	12 41	2 25	5 13
T 8	5 52	9 39	1 50	9 52	1 19	18 29	0 21	13 52	1 11	21 44	0 9	20 14	0 15	18 21	0 37	4 19	1 38	1 48	15 17	15 15	15 41	12 43	2 26	5 12
F 9	5 30	13 45	0 34	10 10	1 0	18 16	0 17	13 39	1 12	21 43	0 9	20 12	0 15	18 20	0 37	4 20	1 38	1 47	15 17	15 15	15 40	12 44	2 27	5 12
S 10	5 7	16 56	0n44	10 25	0 41	18 1	0 14	13 26	1 12	21 41	0 9	20 11	0 15	18 19	0 37	4 21	1 38	1 47	15 17	15 15	15 39	12 46	2 28	5 12
S 11	4 44	19 1	1 58	10 36	0 23	17 46	0 10	13 13	1 12	21 40	0 9	20 10	0 15	18 19	0 37	4 22	1 38	1 46	15 17	15 15	15 38	12 47	2 29	5 12
M12	4 21	19 53	3 3	10 43	0 6	17 31	0 6	13 0	1 12	21 38	0 9	20 9	0 15	18 18	0 37	4 23	1 38	1 46	15 18	15 15	15 37	12 49	2 31	5 12
T 13	3 58	19 32	3 56	10 45	0n10	17 15	0 3	12 47	1 12	21 36	0 10	20 7	0 16	18 17	0 37	4 23	1 38	1 46	15 18	15 15	15 36	12 50	2 32	5 12
W14	3 35	18 6	4 36	10 44	0 25	16 59	0n 1	12 33	1 12	21 35	0 10	20 6	0 16	18 16	0 37	4 24	1 38	1 45	15 18	15 14	15 35	12 52	2 33	5 12
T 15	3 12	15 44	5 0	10 38	0 39	16 42	0 4	12 20	1 12	21 33	0 10	20 5	0 16	18 15	0 37	4 25	1 38	1 45	15 18	15 13	15 34	12 53	2 34	5 12
F 16	2 49	12 38	5 8	10 28	0 52	16 25	0 8	12 6	1 12	21 32	0 10	20 4	0 16	18 15	0 37	4 26	1 38	1 44	15 19	15 11	15 33	12 55	2 35	5 12
S 17	2 25	8 59	5 1	10 14	1 3	16 7	0 11	11 53	1 12	21 30	0 10	20 3	0 16	18 14	0 37	4 27	1 37	1 44	15 19	15 8	15 32	12 56	2 36	5 11
S 18	2 2	5 1	4 39	9 56	1 13	15 49	0 15	11 39	1 12	21 29	0 10	20 1	0 16	18 13	0 37	4 28	1 37	1 44	15 19	15 6	15 31	12 58	2 38	5 11
M19	1 39	0 53	4 5	9 35	1 22	15 30	0 18	11 26	1 13	21 27	0 10	20 0	0 16	18 12	0 37	4 28	1 37	1 43	15 19	15 3	15 30	12 59	2 39	5 11
T 20	1 15	3n13	3 19	9 10	1 30	15 11	0 21	11 12	1 13	21 25	0 11	19 59	0 16	18 11	0 37	4 29	1 37	1 43	15 19	15 1	15 29	13 1	2 40	5 11
W21	0 52	7 10	2 26	8 42	1 37	14 51	0 25	10 58	1 13	21 24	0 11	19 58	0 16	18 11	0 37	4 30	1 37	1 42	15 20	14 59	15 28	13 2	2 41	5 11
T 22	0 28	10 47	1 26	8 12	1 42	14 31	0 28	10 44	1 13	21 22	0 11	19 57	0 17	18 10	0 37	4 31	1 37	1 42	15 20	14 58	15 27	13 4	2 42	5 11
F 23	0 5	13 57	0 23	7 39	1 46	14 11	0 31	10 30	1 13	21 21	0 11	19 56	0 17	18 9	0 37	4 32	1 37	1 42	15 20	14 58	15 27	13 5	2 43	5 11
S 24	0s18	16 33	0s41	7 3	1 50	13 50	0 34	10 16	1 13	21 20	0 11	19 55	0 17	18 9	0 37	4 33	1 37	1 41	15 20	14 58	15 26	13 7	2 45	5 10
S 25	0 42	18 26	1 44	6 26	1 52	13 28	0 37	10 2	1 13	21 18	0 11	19 54	0 17	18 8	0 37	4 33	1 37	1 41	15 20	14 58	15 25	13 8	2 46	5 10
M26	1 5	19 32	2 42	5 47	1 53	13 7	0 40	9 48	1 13	21 17	0 11	19 52	0 17	18 7	0 37	4 34	1 37	1 41	15 21	14 59	15 24	13 10	2 47	5 10
T 27	1 29	19 46	3 35	5 7	1 54	12 44	0 43	9 34	1 13	21 15	0 11	19 51	0 17	18 6	0 37	4 35	1 37	1 40	15 21	14 59	15 23	13 11	2 48	5 10
W28	1 52	19 2	4 19	4 25	1 54	12 22	0 46	9 20	1 13	21 14	0 12	19 50	0 17	18 6	0 37	4 36	1 37	1 40	15 21	14 59	15 22	13 13	2 49	5 10
T 29	2 16	17 22	4 51	3 42	1 53	11 59	0 49	9 6	1 13	21 12	0 12	19 49	0 17	18 5	0 37	4 37	1 37	1 39	15 21	14 59	15 21	13 14	2 50	5 9
F 30	2s39	14n44	5s10	2n58	1n51	11n36	0n51	8n51	1n13	21n11	0n12	19n48	0n17	18n 4	0n37	4s38	1n37	1n39	15s21	14s58	15s20	13n16	2s51	5n 9

Julian Day Number = 2313726.5, Delta T = 64.13 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'26, Lahiri = 18°35'26Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1622
geocentric

OCTOBER 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 38 23	7♎39'58	15♌31	28♍36	3♍10	10♍55	26♋ 8	3♌ 6	11♌ 9	15♎34	14°R58	10°R20	11♏30	3♉ 7	10°R30	S 1
S 2	0 42 20	8°39'13	29°35	0♎23	4°22	11°33	26°16	3°10	11°11	15°36	14♉57	10♏16	11°27	3°14	10♓27	S 2
M 3	0 46 16	9°38'29	14♍ 5	2° 9	5°34	12°10	26°23	3°15	11°14	15°38	14°56	10°11	11°23	3°20	10°25	M 3
T 4	0 50 13	10°37'48	28°57	3°56	6°47	12°48	26°31	3°19	11°16	15°41	14°55	10° 7	11°20	3°27	10°23	T 4
W 5	0 54 10	11°37'09	14♎ 1	5°42	7°59	13°26	26°38	3°24	11°18	15°43	14°54	10° 4	11°17	3°34	10°20	W 5
T 6	0 58 6	12°36'32	29° 9	7°27	9°12	14° 4	26°46	3°28	11°21	15°45	14°54	10° 2	11°14	3°40	10°18	T 6
F 7	1 2 3	13°35'57	14♏13	9°13	10°25	14°42	26°53	3°32	11°23	15°47	14°53	10°D 2	11°11	3°47	10°16	F 7
S 8	1 5 59	14°35'24	29° 2	10°57	11°38	15°19	27° 0	3°37	11°25	15°50	14°52	10° 3	11° 8	3°54	10°13	S 8
S 9	1 9 56	15°34'53	13♐33	12°41	12°50	15°57	27° 7	3°41	11°27	15°52	14°51	10° 4	11° 4	4° 0	10°11	S 9
M10	1 13 52	16°34'24	27°41	14°25	14° 3	16°35	27°13	3°45	11°29	15°54	14°50	10° 5	11° 1	4° 7	10° 9	M10
T 11	1 17 49	17°33'56	11♑25	16° 8	15°16	17°13	27°20	3°48	11°31	15°56	14°49	10°R 6	10°58	4°14	10° 7	T 11
W12	1 21 45	18°33'30	24°47	17°50	16°29	17°50	27°26	3°52	11°33	15°59	14°48	10° 6	10°55	4°20	10° 5	W12
T 13	1 25 42	19°33'06	7♒48	19°31	17°43	18°28	27°32	3°56	11°35	16° 1	14°47	10° 5	10°52	4°27	10° 3	T 13
F 14	1 29 39	20°32'44	20°32	21°12	18°56	19° 6	27°38	4° 0	11°37	16° 3	14°46	10° 3	10°49	4°34	10° 1	F 14
S 15	1 33 35	21°32'23	3♓ 0	22°53	20° 9	19°43	27°44	4° 3	11°39	16° 5	14°45	10° 1	10°45	4°40	9°59	S 15
S 16	1 37 32	22°32'04	15°15	24°32	21°22	20°21	27°50	4° 6	11°40	16° 8	14°44	9°58	10°42	4°47	9°57	S 16
M17	1 41 28	23°31'47	27°21	26°11	22°36	20°59	27°56	4°10	11°42	16°10	14°43	9°55	10°39	4°54	9°55	M17
T 18	1 45 25	24°31'32	9♈19	27°50	23°49	21°36	28° 1	4°13	11°44	16°12	14°42	9°53	10°36	5° 0	9°53	T 18
W19	1 49 21	25°31'18	21°11	29°28	25° 3	22°14	28° 6	4°16	11°45	16°14	14°41	9°51	10°33	5° 7	9°51	W19
T 20	1 53 18	26°31'07	3♉ 0	1♏ 5	26°16	22°52	28°12	4°19	11°47	16°16	14°40	9°51	10°29	5°13	9°50	T 20
F 21	1 57 14	27°30'58	14°47	2°42	27°30	23°29	28°16	4°22	11°49	16°19	14°39	9°D51	10°26	5°20	9°48	F 21
S 22	2 1 11	28°30'50	26°35	4°18	28°44	24° 7	28°21	4°25	11°50	16°21	14°37	9°51	10°23	5°27	9°46	S 22
S 23	2 5 7	29°30'45	8♊27	5°54	29°58	24°45	28°26	4°28	11°51	16°23	14°36	9°52	10°20	5°33	9°45	S 23
M24	2 9 4	0♏30'42	20°26	7°29	1♎12	25°22	28°30	4°30	11°53	16°25	14°35	9°53	10°17	5°40	9°43	M24
T 25	2 13 1	1°30'41	2♋34	9° 4	2°25	26° 0	28°34	4°33	11°54	16°27	14°34	9°54	10°14	5°47	9°42	T 25
W26	2 16 57	2°30'43	14°57	10°38	3°39	26°38	28°39	4°35	11°55	16°30	14°33	9°55	10°10	5°53	9°40	W26
T 27	2 20 54	3°30'46	27°37	12°12	4°53	27°15	28°42	4°37	11°57	16°32	14°32	9°55	10° 7	6° 0	9°39	T 27
F 28	2 24 50	4°30'52	10♌39	13°45	6° 8	27°53	28°46	4°40	11°58	16°34	14°31	9°R55	10° 4	6° 7	9°38	F 28
S 29	2 28 47	5°30'59	24° 5	15°18	7°22	28°30	28°50	4°42	11°59	16°36	14°30	9°55	10° 1	6°13	9°36	S 29
S 30	2 32 43	6°31'09	7♍58	16°51	8°36	29° 8	28°53	4°44	12° 0	16°38	14°29	9°54	9°58	6°20	9°35	S 30
M31	2 36 40	7♏31'21	22♍18	18♏23	9♎50	29♍46	28♋56	4♌45	12♌ 1	16♎40	14♉28	9♏54	9♏54	6♉27	9♓34	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	3s 3	11n15	5s12	2n14	1n49	11n12	0n54	8n37	1n13	21n10	0n12	19n47	0n18	18n 4	0n38	4s39	1n37	1n39	15s22	14s57	15s19	13n17	2s53	5n 9	S 1
S 2	3 26	7 1	4 55	1 28	1 46	10 48	0 57	8 23	1 13	21 8	0 12	19 46	0 18	18 3	0 38	4 39	1 37	1 38	15 22	14 56	15 18	13 18	2 54	5 9	S 2
M 3	3 50	2 16	4 20	0 43	1 43	10 24	0 59	8 8	1 13	21 7	0 12	19 45	0 18	18 3	0 38	4 40	1 37	1 38	15 22	14 54	15 17	13 20	2 55	5 9	M 3
T 4	4 13	2s44	3 27	0s 3	1 39	10 0	1 2	7 54	1 13	21 6	0 12	19 45	0 18	18 2	0 38	4 41	1 37	1 37	15 22	14 53	15 16	13 21	2 56	5 8	T 4
W 5	4 36	7 40	2 18	0 49	1 35	9 35	1 4	7 39	1 13	21 4	0 13	19 44	0 18	18 1	0 38	4 42	1 37	1 37	15 22	14 52	15 15	13 23	2 57	5 8	W 5
T 6	4 59	12 7	1 0	1 34	1 31	9 10	1 6	7 25	1 14	21 3	0 13	19 43	0 18	18 1	0 38	4 43	1 37	1 37	15 22	14 51	15 14	13 24	2 58	5 8	T 6
F 7	5 23	15 46	0n23	2 20	1 26	8 44	1 9	7 10	1 14	21 2	0 13	19 42	0 18	18 0	0 38	4 44	1 37	1 36	15 23	14 51	15 13	13 26	2 59	5 8	F 7
S 8	5 46	18 19	1 43	3 6	1 21	8 18	1 11	6 56	1 14	21 1	0 13	19 41	0 18	18 0	0 38	4 45	1 37	1 36	15 23	14 51	15 12	13 27	3 0	5 7	S 8
S 9	6 9	19 35	2 54	3 52	1 16	7 52	1 13	6 41	1 14	21 0	0 13	19 40	0 19	17 59	0 38	4 45	1 37	1 35	15 23	14 52	15 11	13 29	3 1	5 7	S 9
M10	6 32	19 35	3 53	4 37	1 10	7 26	1 15	6 26	1 14	20 58	0 13	19 39	0 19	17 59	0 38	4 46	1 37	1 35	15 23	14 52	15 10	13 30	3 2	5 7	M10
T 11	6 54	18 23	4 37	5 22	1 4	7 0	1 17	6 12	1 14	20 57	0 13	19 39	0 19	17 58	0 38	4 47	1 37	1 35	15 23	14 53	15 9	13 31	3 3	5 7	T 11
W12	7 17	16 13	5 5	6 7	0 58	6 33	1 19	5 57	1 14	20 56	0 14	19 38	0 19	17 58	0 38	4 48	1 37	1 34	15 23	14 53	15 8	13 33	3 4	5 6	W12
T 13	7 40	13 16	5 16	6 51	0 52	6 6	1 21	5 42	1 14	20 55	0 14	19 37	0 19	17 57	0 38	4 49	1 37	1 34	15 23	14 52	15 7	13 34	3 5	5 6	T 13
F 14	8 2	9 46	5 11	7 35	0 46	5 39	1 22	5 27	1 14	20 54	0 14	19 36	0 19	17 57	0 38	4 50	1 37	1 33	15 23	14 52	15 6	13 36	3 6	5 6	F 14
S 15	8 25	5 54	4 51	8 18	0 39	5 12	1 24	5 12	1 14	20 53	0 14	19 36	0 19	17 56	0 38	4 51	1 37	1 33	15 23	14 51	15 5	13 37	3 7	5 6	S 15
S 16	8 47	1 51	4 18	9 1	0 33	4 44	1 25	4 58	1 14	20 52	0 14	19 35	0 19	17 56	0 38	4 51	1 37	1 33	15 24	14 50	15 4	13 39	3 8	5 5	S 16
M17	9 9	2n13	3 34	9 43	0 26	4 16	1 27	4 43	1 14	20 51	0 14	19 34	0 20	17 55	0 38	4 52	1 37	1 32	15 24	14 49	15 3	13 40	3 9	5 5	M17
T 18	9 31	6 10	2 41	10 25	0 20	3 49	1 28	4 28	1 14	20 50	0 15	19 34	0 20	17 55	0 38	4 53	1 37	1 32	15 24	14 48	15 2	13 41	3 10	5 5	T 18
W19	9 53	9 51	1 42	11 6	0 13	3 21	1 30	4 13	1 14	20 49	0 15	19 33	0 20	17 54	0 38	4 54	1 37	1 32	15 24	14 48	15 1	13 43	3 11	5 5	W19
T 20	10 15	13 8	0 38	11 47	0 6	2 52	1 31	3 58	1 14	20 48	0 15	19 32	0 20	17 54	0 38	4 55	1 37	1 31	15 24	14 48	15 0	13 44	3 12	5 4	T 20
F 21	10 37	15 52	0s27	12 27	0s 1	2 24	1 32	3 43	1 14	20 48	0 15	19 32	0 20	17 54	0 38	4 56	1 37	1 31	15 24	14 48	14 59	13 46	3 13	5 4	F 21
S 22	10 58	17 57	1 32	13 6	0 7	1 56	1 33	3 28	1 14	20 47	0 15	19 31	0 20	17 53	0 38	4 56	1 38	1 30	15 24	14 48	14 58	13 47	3 14	5 4	S 22
S 23	11 19	19 15	2 32	13 44	0 14	1 27	1 34	3 13	1 14	20 46	0 15	19 31	0 20	17 53	0 38	4 57	1 38	1 30	15 24	14 48	14 57	13 48	3 15	5 3	S 23
M24	11 40	19 42	3 27	14 22	0 21	0 59	1 35	2 58	1 14	20 45	0 16	19 30	0 21	17 53	0 38	4 58	1 38	1 30	15 24	14 48	14 56	13 50	3 15	5 3	M24
T 25	12 1	19 15	4 13	14 59	0 28	0 30	1 36	2 43	1 14	20 45	0 16	19 30	0 21	17 52	0 38	4 59	1 38	1 29	15 24	14 49	14 55	13 51	3 16	5 3	T 25
W26	12 22	17 52	4 49	15 35	0 34	0 1	1 37	2 28	1 14	20 44	0 16	19 29	0 21	17 52	0 38	5 0	1 38	1 29	15 24	14 49	14 54	13 52	3 17	5 3	W26
T 27	12 43	15 36	5 11	16 10	0 41	0s27	1 38	2 13	1 14	20 43	0 16	19 29	0 21	17 52	0 39	5 1	1 38	1 29	15 24	14 49	14 53	13 54	3 18	5 2	T 27
F 28	13 3	12 30	5 18	16 45	0 47	0 56	1 38	1 58	1 14	20 43	0 16	19 29	0 21	17 51	0 39	5 1	1 38	1 28	15 24	14 49	14 52	13 55	3 19	5 2	F 28
S 29	13 23	8 40	5 9	17 19	0 54	1 25	1 39	1 43	1 14	20 42	0 16	19 28	0 21	17 51	0 39	5 2	1 38	1 28	15 24	14 49	14 51	13 57	3 19	5 2	S 29
S 30	13 43	4 15	4 41	17 52	1 0	1 54	1 39	1 28	1 14	20 42	0 16	19 28	0 21	17 51	0 39	5 3	1 38	1 28	15 24	14 49	14 50	13 58	3 20	5 1	S 30
M31	14s 3	0s32	3s55	18s24	1s 6	2s23	1n40	1n13	1n14	20n41	0n17	19n28	0n21	17n51	0n39	5s 4	1n38	1n27	15s24	14s49	14s49	13n59	3s21	5n 1	M31

Julian Day Number = 2313756.5, Delta T = 64.06 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'30, Lahiri = 18°35'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

NOVEMBER 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 36	8♏31'35	7♎ 1	19♏55	11♎ 4	0♎23	28♋59	4♌47	12♌ 2	16♎42	14°R26	9°R54	9♏51	6♉33	9°R33	T 1
W 2	2 44 33	9°31'51	22° 2	21°26	12°19	1° 1	29° 2	4°49	12° 3	16°45	14♉25	9°D54	9°48	6°40	9♓32	W 2
T 3	2 48 30	10°32'08	7♏14	22°57	13°33	1°38	29° 5	4°50	12° 4	16°47	14°24	9°R54	9°45	6°46	9°31	T 3
F 4	2 52 26	11°32'28	22°26	24°28	14°47	2°16	29° 7	4°52	12° 4	16°49	14°23	9♏54	9°42	6°53	9°30	F 4
S 5	2 56 23	12°32'49	7♐30	25°58	16° 2	2°53	29° 9	4°53	12° 5	16°51	14°22	9°54	9°39	7° 0	9°29	S 5
S 6	3 0 19	13°33'12	22°17	27°28	17°16	3°31	29°11	4°54	12° 6	16°53	14°21	9°53	9°35	7° 6	9°28	S 6
M 7	3 4 16	14°33'37	6♑40	28°57	18°31	4° 8	29°13	4°56	12° 6	16°55	14°20	9°53	9°32	7°13	9°27	M 7
T 8	3 8 12	15°34'02	20°37	0♐27	19°45	4°46	29°15	4°56	12° 7	16°57	14°19	9°52	9°29	7°20	9°26	T 8
W 9	3 12 9	16°34'30	4♒ 6	1°55	21° 0	5°23	29°16	4°57	12° 8	16°59	14°17	9°52	9°26	7°26	9°26	W 9
T 10	3 16 5	17°34'58	17°10	3°23	22°15	6° 1	29°18	4°58	12° 8	17° 1	14°16	9°D52	9°23	7°33	9°25	T 10
F 11	3 20 2	18°35'28	29°51	4°51	23°29	6°38	29°19	4°59	12° 8	17° 3	14°15	9°52	9°20	7°40	9°25	F 11
S 12	3 23 59	19°35'59	12♓13	6°18	24°44	7°16	29°19	4°59	12° 9	17° 5	14°14	9°53	9°16	7°46	9°24	S 12
S 13	3 27 55	20°36'31	24°21	7°45	25°59	7°53	29°20	5° 0	12° 9	17° 7	14°13	9°53	9°13	7°53	9°24	S 13
M14	3 31 52	21°37'05	6♈18	9°11	27°13	8°30	29°21	5° 0	12° 9	17° 9	14°12	9°55	9°10	8° 0	9°23	M14
T 15	3 35 48	22°37'40	18° 9	10°36	28°28	9° 8	29°21	5° 0	12° 9	17°11	14°11	9°56	9° 7	8° 6	9°23	T 15
W16	3 39 45	23°38'16	29°57	12° 1	29°43	9°45	29°R21	5°R 0	12° 9	17°13	14°10	9°57	9° 4	8°13	9°23	W16
T 17	3 43 41	24°38'53	11♉45	13°24	0♏58	10°23	29°21	5° 0	12°10	17°14	14° 9	9°R57	9° 0	8°19	9°22	T 17
F 18	3 47 38	25°39'33	23°34	14°47	2°13	11° 0	29°21	5° 0	12°R10	17°16	14° 7	9°56	8°57	8°26	9°22	F 18
S 19	3 51 34	26°40'13	5♊29	16° 9	3°28	11°37	29°20	5° 0	12° 9	17°18	14° 6	9°55	8°54	8°33	9°22	S 19
S 20	3 55 31	27°40'55	17°29	17°29	4°43	12°15	29°19	5° 0	12° 9	17°20	14° 5	9°53	8°51	8°39	9°D22	S 20
M21	3 59 28	28°41'38	29°37	18°48	5°58	12°52	29°18	4°59	12° 9	17°22	14° 4	9°50	8°48	8°46	9°22	M21
T 22	4 3 24	29°42'23	11♋56	20° 5	7°13	13°29	29°17	4°58	12° 9	17°24	14° 3	9°47	8°45	8°53	9°22	T 22
W23	4 7 21	0♐43'09	24°26	21°21	8°28	14° 7	29°16	4°58	12° 9	17°25	14° 2	9°43	8°41	8°59	9°22	W23
T 24	4 11 17	1°43'57	7♌11	22°34	9°43	14°44	29°14	4°57	12° 8	17°27	14° 1	9°41	8°38	9° 6	9°23	T 24
F 25	4 15 14	2°44'46	20°12	23°45	10°58	15°21	29°13	4°56	12° 8	17°29	14° 0	9°39	8°35	9°13	9°23	F 25
S 26	4 19 10	3°45'37	3♍32	24°53	12°13	15°59	29°11	4°55	12° 8	17°30	13°59	9°D38	8°32	9°19	9°23	S 26
S 27	4 23 7	4°46'29	17°13	25°58	13°28	16°36	29° 9	4°54	12° 7	17°32	13°58	9°39	8°29	9°26	9°23	S 27
M28	4 27 3	5°47'22	1♎16	27° 0	14°43	17°13	29° 6	4°53	12° 7	17°34	13°57	9°40	8°26	9°33	9°24	M28
T 29	4 31 0	6°48'17	15°40	27°57	15°58	17°50	29° 4	4°51	12° 6	17°35	13°56	9°42	8°22	9°39	9°24	T 29
W30	4 34 57	7♐49'13	0♏23	28♐49	17♏13	18♎28	29♋ 1	4♌50	12♌ 5	17♎37	13♉55	9♏43	8♏19	9♉46	9♓25	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s22	5s26	2s53	18s55	1s12	2s52	1n40	0n58	1n14	20n41	0n17	19n27	0n22	17n50	0n39	5s 5	1n38	1n27	15s24	14s49	14s48	14n 1	3s22	5n 1
W 2	14 42	10 7	1 38	19 25	1 18	3 20	1 40	0 43	1 14	20 40	0 17	19 27	0 22	17 50	0 39	5 5	1 38	1 27	15 24	14 49	14 47	14 2	3 22	5 0
T 3	15 1	14 11	0 15	19 54	1 24	3 49	1 40	0 28	1 14	20 40	0 17	19 27	0 22	17 50	0 39	5 6	1 38	1 26	15 24	14 49	14 46	14 3	3 23	5 0
F 4	15 19	17 18	1n 9	20 23	1 30	4 18	1 40	0 13	1 13	20 39	0 17	19 27	0 22	17 50	0 39	5 7	1 38	1 26	15 24	14 49	14 45	14 5	3 24	5 0
S 5	15 38	19 10	2 28	20 50	1 36	4 47	1 40	0s 2	1 13	20 39	0 18	19 26	0 22	17 50	0 39	5 8	1 38	1 26	15 24	14 49	14 44	14 6	3 24	4 59
S 6	15 56	19 41	3 35	21 16	1 41	5 15	1 40	0 17	1 13	20 39	0 18	19 26	0 22	17 49	0 39	5 8	1 38	1 26	15 24	14 48	14 43	14 7	3 25	4 59
M 7	16 14	18 53	4 26	21 41	1 46	5 44	1 40	0 32	1 13	20 39	0 18	19 26	0 22	17 49	0 39	5 9	1 38	1 25	15 24	14 48	14 42	14 9	3 26	4 59
T 8	16 32	16 57	5 0	22 6	1 51	6 12	1 40	0 47	1 13	20 39	0 18	19 26	0 23	17 49	0 39	5 10	1 38	1 25	15 24	14 48	14 41	14 10	3 26	4 58
W 9	16 49	14 8	5 16	22 29	1 56	6 40	1 39	1 1	1 13	20 38	0 18	19 26	0 23	17 49	0 39	5 11	1 38	1 25	15 24	14 48	14 40	14 11	3 27	4 58
T 10	17 7	10 42	5 15	22 51	2 0	7 9	1 39	1 16	1 13	20 38	0 18	19 26	0 23	17 49	0 39	5 11	1 38	1 24	15 24	14 48	14 39	14 13	3 27	4 58
F 11	17 23	6 53	4 59	23 11	2 5	7 37	1 39	1 31	1 13	20 38	0 19	19 26	0 23	17 49	0 39	5 12	1 38	1 24	15 24	14 48	14 38	14 14	3 28	4 57
S 12	17 40	2 51	4 29	23 31	2 9	8 5	1 38	1 46	1 13	20 38	0 19	19 26	0 23	17 49	0 39	5 13	1 38	1 24	15 24	14 48	14 37	14 15	3 28	4 57
S 13	17 56	1n14	3 47	23 49	2 12	8 32	1 38	2 1	1 13	20 38	0 19	19 26	0 23	17 49	0 39	5 14	1 38	1 24	15 24	14 49	14 36	14 17	3 29	4 57
M14	18 12	5 12	2 56	24 6	2 16	9 0	1 37	2 16	1 13	20 38	0 19	19 26	0 23	17 49	0 39	5 14	1 38	1 23	15 24	14 49	14 35	14 18	3 29	4 56
T 15	18 28	8 57	1 58	24 22	2 19	9 27	1 36	2 31	1 13	20 39	0 19	19 26	0 24	17 49	0 39	5 15	1 38	1 23	15 24	14 49	14 34	14 19	3 30	4 56
W16	18 43	12 20	0 55	24 37	2 22	9 55	1 35	2 45	1 13	20 39	0 19	19 26	0 24	17 49	0 39	5 16	1 38	1 23	15 24	14 50	14 33	14 21	3 30	4 56
T 17	18 58	15 14	0s10	24 50	2 24	10 21	1 34	3 0	1 13	20 39	0 20	19 26	0 24	17 49	0 39	5 16	1 38	1 23	15 24	14 50	14 32	14 22	3 30	4 55
F 18	19 13	17 30	1 15	25 2	2 26	10 48	1 33	3 15	1 13	20 39	0 20	19 26	0 24	17 49	0 39	5 17	1 38	1 23	15 24	14 49	14 31	14 23	3 31	4 55
S 19	19 27	19 1	2 17	25 12	2 27	11 15	1 32	3 30	1 12	20 39	0 20	19 27	0 24	17 49	0 39	5 18	1 38	1 22	15 24	14 49	14 30	14 25	3 31	4 55
S 20	19 41	19 41	3 13	25 21	2 28	11 41	1 31	3 44	1 12	20 40	0 20	19 27	0 24	17 49	0 40	5 18	1 38	1 22	15 24	14 48	14 29	14 26	3 32	4 54
M21	19 54	19 28	4 1	25 29	2 29	12 7	1 30	3 59	1 12	20 40	0 20	19 27	0 24	17 49	0 40	5 19	1 38	1 22	15 23	14 47	14 28	14 27	3 32	4 54
T 22	20 8	18 19	4 39	25 35	2 28	12 33	1 29	4 14	1 12	20 41	0 21	19 27	0 25	17 49	0 40	5 20	1 38	1 22	15 23	14 46	14 27	14 28	3 32	4 54
W23	20 20	16 17	5 4	25 40	2 28	12 58	1 28	4 28	1 12	20 41	0 21	19 28	0 25	17 49	0 40	5 20	1 38	1 22	15 23	14 45	14 26	14 30	3 32	4 53
T 24	20 33	13 26	5 15	25 43	2 26	13 23	1 26	4 43	1 12	20 41	0 21	19 28	0 25	17 49	0 40	5 21	1 38	1 21	15 23	14 44	14 25	14 31	3 33	4 53
F 25	20 45	9 52	5 10	25 44	2 24	13 48	1 25	4 57	1 12	20 42	0 21	19 28	0 25	17 50	0 40	5 21	1 39	1 21	15 23	14 44	14 23	14 32	3 33	4 53
S 26	20 57	5 45	4 48	25 45	2 21	14 12	1 24	5 12	1 12	20 43	0 21	19 29	0 25	17 50	0 40	5 22	1 39	1 21	15 23	14 44	14 22	14 34	3 33	4 52
S 27	21 8	1 13	4 10	25 43	2 18	14 36	1 22	5 26	1 12	20 43	0 21	19 29	0 25	17 50	0 40	5 23	1 39	1 21	15 23	14 44	14 21	14 35	3 33	4 52
M28	21 19	3s30	3 16	25 40	2 13	15 0	1 20	5 41	1 11	20 44	0 22	19 30	0 25	17 50	0 40	5 23	1 39	1 21	15 23	14 44	14 20	14 36	3 33	4 52
T 29	21 29	8 9	2 9	25 36	2 8	15 23	1 19	5 55	1 11	20 45	0 22	19 30	0 26	17 50	0 40	5 24	1 39	1 21	15 22	14 45	14 19	14 37	3 34	4 51
W30	21s39	12s26	0s51	25s30	2s 1	15s46	1n17	6s 9	1n11	20n45	0n22	19n31	0n26	17n50	0n40	5s24	1n39	1n20	15s22	14s45	14s18	14n39	3s34	4n51

Julian Day Number = 2313787.5, Delta T = 63.99 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'34, Lahiri = 18°35'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1622
geocentric

DECEMBER 1622 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 38 53	8♐50'11	15♏20	29♐36	18♏28	19♎ 5	28°R58	4°R48	12°R 5	17♎39	13°R54	9°R43	8♏16	9♉53	9♓26	T 1
F 2	4 42 50	9°51'09	0♑23	0♑16	19°44	19°42	28♋55	4♌46	12♌ 4	17°40	13♉53	9♏42	8°13	9°59	9°26	F 2
S 3	4 46 46	10°52'09	15°25	0°50	20°59	20°19	28°52	4°45	12° 3	17°42	13°52	9°39	8°10	10° 6	9°27	S 3
S 4	4 50 43	11°53'10	0♑15	1°15	22°14	20°57	28°49	4°43	12° 2	17°43	13°51	9°34	8° 6	10°12	9°28	S 4
M 5	4 54 39	12°54'11	14°46	1°32	23°29	21°34	28°45	4°41	12° 1	17°45	13°50	9°29	8° 3	10°19	9°29	M 5
T 6	4 58 36	13°55'13	28°53	1°R40	24°44	22°11	28°41	4°39	12° 0	17°46	13°49	9°24	8° 0	10°26	9°30	T 6
W 7	5 2 33	14°56'16	12♒31	1°37	26° 0	22°48	28°37	4°36	11°59	17°47	13°48	9°19	7°57	10°32	9°30	W 7
T 8	5 6 29	15°57'19	25°42	1°23	27°15	23°25	28°33	4°34	11°58	17°49	13°47	9°15	7°54	10°39	9°32	T 8
F 9	5 10 26	16°58'23	8♓28	0°57	28°30	24° 2	28°29	4°32	11°57	17°50	13°46	9°14	7°51	10°46	9°33	F 9
S 10	5 14 22	17°59'27	20°51	0°20	29°45	24°39	28°24	4°29	11°56	17°52	13°45	9°D13	7°47	10°52	9°34	S 10
S 11	5 18 19	19° 0'31	2♈58	29♐32	1♐ 1	25°16	28°19	4°26	11°55	17°53	13°44	9°14	7°44	10°59	9°35	S 11
M12	5 22 15	20° 1'36	14°53	28°33	2°16	25°53	28°15	4°24	11°53	17°54	13°43	9°16	7°41	11° 6	9°36	M12
T 13	5 26 12	21° 2'41	26°41	27°25	3°31	26°30	28°10	4°21	11°52	17°55	13°42	9°17	7°38	11°12	9°37	T 13
W14	5 30 8	22° 3'47	8♉28	26° 9	4°47	27° 7	28° 4	4°18	11°51	17°57	13°41	9°R18	7°35	11°19	9°39	W14
T 15	5 34 5	23° 4'53	20°16	24°49	6° 2	27°44	27°59	4°15	11°49	17°58	13°41	9°17	7°32	11°26	9°40	T 15
F 16	5 38 1	24° 5'59	2♊10	23°26	7°17	28°21	27°53	4°12	11°48	17°59	13°40	9°15	7°28	11°32	9°42	F 16
S 17	5 41 58	25° 7'06	14°13	22° 4	8°33	28°58	27°48	4° 9	11°46	18° 0	13°39	9°10	7°25	11°39	9°43	S 17
S 18	5 45 55	26° 8'13	26°26	20°45	9°48	29°35	27°42	4° 5	11°45	18° 1	13°38	9° 2	7°22	11°45	9°45	S 18
M19	5 49 51	27° 9'21	8♋50	19°32	11° 3	0♏12	27°36	4° 2	11°43	18° 2	13°37	8°54	7°19	11°52	9°46	M19
T 20	5 53 48	28°10'29	21°25	18°26	12°19	0°49	27°30	3°59	11°41	18° 3	13°37	8°44	7°16	11°59	9°48	T 20
W21	5 57 44	29°11'37	4♌13	17°30	13°34	1°25	27°24	3°55	11°40	18° 4	13°36	8°35	7°12	12° 5	9°50	W21
T 22	6 1 41	0♑12'46	17°13	16°43	14°49	2° 2	27°17	3°52	11°38	18° 5	13°35	8°27	7° 9	12°12	9°52	T 22
F 23	6 5 37	1°13'55	0♍25	16° 7	16° 5	2°39	27°11	3°48	11°36	18° 6	13°34	8°20	7° 6	12°19	9°53	F 23
S 24	6 9 34	2°15'04	13°49	15°42	17°20	3°16	27° 4	3°44	11°34	18° 7	13°34	8°16	7° 3	12°25	9°55	S 24
S 25	6 13 31	3°16'14	27°27	15°27	18°35	3°52	26°57	3°40	11°33	18° 8	13°33	8°D14	7° 0	12°32	9°57	S 25
M26	6 17 27	4°17'25	11♎20	15°D22	19°51	4°29	26°50	3°36	11°31	18° 9	13°32	8°14	6°57	12°39	9°59	M26
T 27	6 21 24	5°18'36	25°26	15°26	21° 6	5° 6	26°43	3°32	11°29	18°10	13°32	8°15	6°53	12°45	10° 1	T 27
W28	6 25 20	6°19'47	9♏47	15°39	22°22	5°43	26°36	3°28	11°27	18°10	13°31	8°R16	6°50	12°52	10° 3	W28
T 29	6 29 17	7°20'58	24°19	15°59	23°37	6°19	26°29	3°24	11°25	18°11	13°31	8°15	6°47	12°59	10° 6	T 29
F 30	6 33 13	8°22'10	8♐58	16°27	24°52	6°56	26°22	3°20	11°23	18°12	13°30	8°11	6°44	13° 5	10° 8	F 30
S 31	6 37 10	9♑23'22	23♐40	17♐ 1	26♐ 8	7♏32	26♋15	3♌16	11♌21	18♎13	13♉29	8♏ 5	6♏41	13♉12	10♓10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s49	15 s58	0n31	25 s23	1 s54	16 s 9	1n15	6 s23	1n11	20n46	0n22	19n31	0n26	17n51	0n40	5 s25	1n39	1n20	15 s22	14 s45	14 s17	14n40	3 s34	4n51
F 2	21 58	18 28	1 51	25 14	1 45	16 31	1 14	6 38	1 11	20 47	0 22	19 32	0 26	17 51	0 40	5 25	1 39	1 20	15 22	14 45	14 16	14 41	3 34	4 50
S 3	22 7	19 39	3 3	25 4	1 35	16 53	1 12	6 52	1 11	20 48	0 23	19 32	0 26	17 51	0 40	5 26	1 39	1 20	15 22	14 44	14 15	14 42	3 34	4 50
S 4	22 15	19 27	4 2	24 52	1 23	17 14	1 10	7 6	1 11	20 49	0 23	19 33	0 26	17 52	0 40	5 27	1 39	1 20	15 22	14 42	14 14	14 44	3 34	4 49
M 5	22 23	17 58	4 44	24 39	1 10	17 35	1 8	7 20	1 10	20 50	0 23	19 34	0 26	17 52	0 40	5 27	1 39	1 20	15 21	14 41	14 13	14 45	3 34	4 49
T 6	22 31	15 25	5 7	24 25	0 56	17 55	1 6	7 34	1 10	20 50	0 23	19 34	0 27	17 52	0 40	5 28	1 39	1 20	15 21	14 39	14 12	14 46	3 34	4 49
W 7	22 38	12 5	5 12	24 9	0 41	18 15	1 4	7 48	1 10	20 51	0 23	19 35	0 27	17 52	0 40	5 28	1 39	1 20	15 21	14 38	14 11	14 47	3 34	4 48
T 8	22 45	8 16	5 0	23 53	0 24	18 34	1 2	8 2	1 10	20 53	0 24	19 36	0 27	17 53	0 40	5 29	1 39	1 20	15 21	14 36	14 10	14 49	3 34	4 48
F 9	22 51	4 12	4 33	23 35	0 6	18 53	1 0	8 16	1 10	20 54	0 24	19 36	0 27	17 53	0 40	5 29	1 39	1 20	15 21	14 36	14 9	14 50	3 34	4 48
S 10	22 57	0 3	3 54	23 16	0n13	19 12	0 58	8 29	1 10	20 55	0 24	19 37	0 27	17 53	0 40	5 29	1 39	1 19	15 20	14 36	14 8	14 51	3 34	4 47
S 11	23 2	4n 1	3 5	22 57	0 33	19 29	0 56	8 43	1 9	20 56	0 24	19 38	0 27	17 54	0 40	5 30	1 39	1 19	15 20	14 36	14 7	14 52	3 33	4 47
M12	23 7	7 52	2 9	22 36	0 53	19 47	0 54	8 57	1 9	20 57	0 24	19 39	0 27	17 54	0 40	5 30	1 39	1 19	15 20	14 37	14 6	14 54	3 33	4 47
T 13	23 11	11 22	1 8	22 15	1 13	20 3	0 51	9 10	1 9	20 58	0 24	19 39	0 28	17 55	0 40	5 31	1 39	1 19	15 20	14 37	14 5	14 55	3 33	4 46
W14	23 15	14 25	0 5	21 54	1 32	20 20	0 49	9 24	1 9	20 59	0 25	19 40	0 28	17 55	0 40	5 31	1 39	1 19	15 20	14 37	14 4	14 56	3 33	4 46
T 15	23 18	16 54	0 s59	21 32	1 51	20 35	0 47	9 37	1 9	21 1	0 25	19 41	0 28	17 56	0 40	5 32	1 40	1 19	15 19	14 37	14 3	14 57	3 33	4 46
F 16	23 21	18 40	2 1	21 12	2 8	20 50	0 45	9 51	1 8	21 2	0 25	19 42	0 28	17 56	0 41	5 32	1 40	1 19	15 19	14 36	14 2	14 59	3 32	4 45
S 17	23 24	19 37	2 58	20 52	2 23	21 4	0 42	10 4	1 8	21 3	0 25	19 43	0 28	17 56	0 41	5 32	1 40	1 19	15 19	14 35	14 1	15 0	3 32	4 45
S 18	23 26	19 39	3 47	20 34	2 36	21 18	0 40	10 17	1 8	21 5	0 25	19 44	0 28	17 57	0 41	5 33	1 40	1 19	15 19	14 32	14 0	15 1	3 32	4 45
M19	23 27	18 46	4 26	20 18	2 47	21 31	0 38	10 30	1 8	21 6	0 26	19 45	0 28	17 57	0 41	5 33	1 40	1 19	15 18	14 29	13 59	15 2	3 32	4 45
T 20	23 28	16 57	4 53	20 4	2 55	21 44	0 35	10 43	1 8	21 7	0 26	19 46	0 29	17 58	0 41	5 33	1 40	1 19	15 18	14 26	13 58	15 3	3 31	4 44
W21	23 29	14 17	5 6	19 54	3 1	21 56	0 33	10 56	1 7	21 9	0 26	19 47	0 29	17 58	0 41	5 34	1 40	1 19	15 18	14 23	13 57	15 5	3 31	4 44
T 22	23 29	10 53	5 3	19 46	3 5	22 7	0 30	11 9	1 7	21 10	0 26	19 48	0 29	17 59	0 41	5 34	1 40	1 19	15 18	14 21	13 56	15 6	3 30	4 44
F 23	23 29	6 55	4 45	19 41	3 6	22 18	0 28	11 22	1 7	21 12	0 26	19 49	0 29	17 59	0 41	5 34	1 40	1 19	15 17	14 19	13 55	15 7	3 30	4 43
S 24	23 28	2 32	4 10	19 38	3 6	22 27	0 26	11 35	1 7	21 13	0 26	19 50	0 29	18 0	0 41	5 35	1 40	1 20	15 17	14 17	13 54	15 8	3 30	4 43
S 25	23 27	2 s 4	3 21	19 39	3 4	22 37	0 23	11 48	1 6	21 15	0 27	19 51	0 29	18 0	0 41	5 35	1 40	1 20	15 17	14 17	13 53	15 9	3 29	4 43
M26	23 25	6 38	2 19	19 42	3 0	22 45	0 21	12 0	1 6	21 16	0 27	19 52	0 29	18 1	0 41	5 35	1 40	1 20	15 17	14 17	13 51	15 10	3 29	4 42
T 27	23 23	10 55	1 8	19 47	2 55	22 53	0 18	12 13	1 6	21 18	0 27	19 53	0 30	18 2	0 41	5 35	1 40	1 20	15 16	14 17	13 50	15 12	3 28	4 42
W28	23 20	14 39	0n 8	19 54	2 50	23 0	0 16	12 25	1 6	21 19	0 27	19 54	0 30	18 2	0 41	5 36	1 40	1 20	15 16	14 17	13 49	15 13	3 28	4 42
T 29	23 17	17 31	1 25	20 2	2 43	23 7	0 13	12 38	1 5	21 21	0 27	19 55	0 30	18 3	0 41	5 36	1 40	1 20	15 16	14 17	13 48	15 14	3 27	4 41
F 30	23 13	19 16	2 37	20 12	2 36	23 12	0 11	12 50	1 5	21 22	0 27	19 56	0 30	18 3	0 41	5 36	1 40	1 20	15 16	14 16	13 47	15 15	3 27	4 41
S 31	23 s 9	19 s42	3n38	20 s23	2n28	23 s18	0n 8	13 s 2	1n 5	21n24	0n28	19n57	0n30	18n 4	0n41	5 s36	1n40	1n20	15 s15	14 s14	13 s46	15n16	3 s26	4n41

Julian Day Number = 2313817.5, Delta T = 63.91 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'38, Lahiri = 18°35'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

JANUARY 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 41 6	10♑24'34	8♑16	17♐41	27♐23	8♏ 9	26°R 7	3°R12	11°R19	18♎13	13°R29	7°R56	6♏38	13♉19	10♓12	S 1
M 2	6 45 3	11°25'46	22°39	18°26	28°39	8°45	25♋59	3♌ 7	11♌16	18°14	13♉28	7♏46	6°34	13°25	10°15	M 2
T 3	6 49 0	12°26'57	6♒42	19°15	29°54	9°22	25°52	3° 3	11°14	18°14	13°28	7°35	6°31	13°32	10°17	T 3
W 4	6 52 56	13°28'08	20°22	20° 9	1♑ 9	9°58	25°44	2°58	11°12	18°15	13°27	7°24	6°28	13°38	10°19	W 4
T 5	6 56 53	14°29'19	3♓37	21° 6	2°25	10°35	25°36	2°54	11°10	18°16	13°27	7°15	6°25	13°45	10°22	T 5
F 6	7 0 49	15°30'29	16°26	22° 7	3°40	11°11	25°29	2°49	11° 8	18°16	13°26	7° 9	6°22	13°52	10°24	F 6
S 7	7 4 46	16°31'38	28°53	23°10	4°56	11°48	25°21	2°45	11° 5	18°16	13°26	7° 5	6°18	13°58	10°27	S 7
S 8	7 8 42	17°32'47	11♈ 2	24°17	6°11	12°24	25°13	2°40	11° 3	18°17	13°25	7° 3	6°15	14° 5	10°30	S 8
M 9	7 12 39	18°33'55	22°58	25°25	7°26	13° 0	25° 5	2°35	11° 1	18°17	13°25	7°D 3	6°12	14°12	10°32	M 9
T 10	7 16 35	19°35'02	4♉47	26°36	8°42	13°36	24°57	2°31	10°58	18°18	13°25	7°R 4	6° 9	14°18	10°35	T 10
W11	7 20 32	20°36'09	16°34	27°48	9°57	14°13	24°49	2°26	10°56	18°18	13°24	7° 3	6° 6	14°25	10°38	W11
T 12	7 24 29	21°37'15	28°24	29° 3	11°12	14°49	24°41	2°21	10°53	18°18	13°24	7° 1	6° 3	14°32	10°40	T 12
F 13	7 28 25	22°38'20	10♊22	0♑19	12°28	15°25	24°33	2°16	10°51	18°18	13°24	6°57	5°59	14°38	10°43	F 13
S 14	7 32 22	23°39'24	22°33	1°36	13°43	16° 1	24°25	2°11	10°49	18°19	13°23	6°49	5°56	14°45	10°46	S 14
S 15	7 36 18	24°40'28	4♋57	2°55	14°58	16°37	24°17	2° 7	10°46	18°19	13°23	6°39	5°53	14°52	10°49	S 15
M16	7 40 15	25°41'31	17°37	4°15	16°14	17°13	24° 9	2° 2	10°44	18°19	13°23	6°27	5°50	14°58	10°52	M16
T 17	7 44 11	26°42'33	0♌33	5°36	17°29	17°49	24° 1	1°57	10°41	18°19	13°23	6°13	5°47	15° 5	10°55	T 17
W18	7 48 8	27°43'34	13°43	6°58	18°44	18°25	23°53	1°52	10°39	18°19	13°22	6° 0	5°44	15°12	10°58	W18
T 19	7 52 4	28°44'35	27° 7	8°22	20° 0	19° 1	23°45	1°47	10°36	18°R19	13°22	5°48	5°40	15°18	11° 1	T 19
F 20	7 56 1	29°45'34	10♍40	9°46	21°15	19°37	23°37	1°42	10°34	18°19	13°22	5°38	5°37	15°25	11° 4	F 20
S 21	7 59 58	0♒46'33	24°23	11°11	22°30	20°13	23°29	1°37	10°31	18°19	13°22	5°31	5°34	15°31	11° 7	S 21
S 22	8 3 54	1°47'32	8♎12	12°37	23°46	20°48	23°21	1°32	10°28	18°19	13°22	5°28	5°31	15°38	11°10	S 22
M23	8 7 51	2°48'30	22° 8	14° 4	25° 1	21°24	23°13	1°27	10°26	18°19	13°22	5°26	5°28	15°45	11°13	M23
T 24	8 11 47	3°49'27	6♏ 9	15°32	26°16	22° 0	23° 5	1°22	10°23	18°19	13°22	5°26	5°24	15°51	11°16	T 24
W25	8 15 44	4°50'24	20°16	17° 0	27°32	22°35	22°57	1°18	10°21	18°19	13°21	5°26	5°21	15°58	11°20	W25
T 26	8 19 40	5°51'20	4♐27	18°30	28°47	23°11	22°50	1°13	10°18	18°18	13°21	5°24	5°18	16° 5	11°23	T 26
F 27	8 23 37	6°52'15	18°41	20° 0	0♒ 2	23°47	22°42	1° 8	10°15	18°18	13°D21	5°19	5°15	16°11	11°26	F 27
S 28	8 27 33	7°53'09	2♑54	21°31	1°18	24°22	22°34	1° 3	10°13	18°18	13°21	5°12	5°12	16°18	11°29	S 28
S 29	8 31 30	8°54'03	17° 4	23° 2	2°33	24°58	22°27	0°58	10°10	18°18	13°21	5° 2	5° 9	16°25	11°33	S 29
M30	8 35 27	9°54'55	1♒ 4	24°35	3°48	25°33	22°20	0°53	10° 7	18°17	13°22	4°49	5° 5	16°31	11°36	M30
T 31	8 39 23	10♒55'46	14♒50	26♑ 8	5♒ 3	26♏ 8	22♋12	0♌48	10♌ 5	18♎17	13♉22	4♏36	5♏ 2	16♉38	11♓40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 5	18s50	4n24	20s35	2n20	23s22	0n 6	13s14	1n 4	21n25	0n28	19n58	0n30	18n 5	0n41	5s37	1n41	1n20	15s15	14s11	13s45	15n18	3s25	4n41
M 2	23 0	16 46	4 53	20 48	2 12	23 25	0 3	13 26	1 4	21 27	0 28	19 59	0 30	18 5	0 41	5 37	1 41	1 20	15 15	14 8	13 44	15 19	3 25	4 40
T 3	22 54	13 44	5 3	21 1	2 3	23 28	0 1	13 38	1 4	21 28	0 28	20 1	0 30	18 6	0 41	5 37	1 41	1 21	15 14	14 4	13 43	15 20	3 24	4 40
W 4	22 48	10 3	4 56	21 14	1 54	23 31	0s 2	13 50	1 3	21 30	0 28	20 2	0 31	18 6	0 41	5 37	1 41	1 21	15 14	14 0	13 42	15 21	3 24	4 40
T 5	22 42	5 58	4 32	21 27	1 45	23 32	0 4	14 2	1 3	21 32	0 28	20 3	0 31	18 7	0 41	5 37	1 41	1 21	15 14	13 58	13 41	15 22	3 23	4 39
F 6	22 35	1 45	3 56	21 40	1 36	23 33	0 7	14 13	1 3	21 33	0 29	20 4	0 31	18 8	0 41	5 37	1 41	1 21	15 13	13 56	13 40	15 23	3 22	4 39
S 7	22 28	2n26	3 9	21 52	1 27	23 33	0 9	14 25	1 2	21 35	0 29	20 5	0 31	18 8	0 41	5 37	1 41	1 21	15 13	13 54	13 39	15 24	3 22	4 39
S 8	22 20	6 26	2 14	22 4	1 17	23 32	0 11	14 36	1 2	21 36	0 29	20 6	0 31	18 9	0 41	5 38	1 41	1 21	15 13	13 54	13 38	15 26	3 21	4 39
M 9	22 12	10 6	1 14	22 16	1 8	23 31	0 14	14 47	1 2	21 38	0 29	20 8	0 31	18 10	0 41	5 38	1 41	1 22	15 13	13 54	13 37	15 27	3 20	4 38
T 10	22 3	13 20	0 12	22 27	0 59	23 28	0 16	14 59	1 1	21 40	0 29	20 9	0 31	18 10	0 41	5 38	1 41	1 22	15 12	13 54	13 36	15 28	3 19	4 38
W11	21 54	16 1	0s50	22 38	0 50	23 25	0 19	15 10	1 1	21 41	0 29	20 10	0 31	18 11	0 41	5 38	1 41	1 22	15 12	13 54	13 35	15 29	3 19	4 38
T 12	21 45	18 2	1 51	22 48	0 41	23 22	0 21	15 21	1 1	21 43	0 29	20 11	0 32	18 12	0 41	5 38	1 41	1 22	15 12	13 53	13 34	15 30	3 18	4 38
F 13	21 35	19 18	2 47	22 57	0 33	23 17	0 23	15 32	1 0	21 44	0 30	20 12	0 32	18 12	0 41	5 38	1 41	1 22	15 11	13 52	13 33	15 31	3 17	4 37
S 14	21 25	19 40	3 36	23 5	0 24	23 12	0 26	15 42	1 0	21 46	0 30	20 14	0 32	18 13	0 41	5 38	1 41	1 23	15 11	13 49	13 32	15 32	3 16	4 37
S 15	21 14	19 7	4 16	23 12	0 15	23 6	0 28	15 53	0 59	21 47	0 30	20 15	0 32	18 14	0 41	5 38	1 41	1 23	15 11	13 46	13 31	15 33	3 15	4 37
M16	21 3	17 37	4 45	23 18	0 7	23 0	0 30	16 4	0 59	21 49	0 30	20 16	0 32	18 14	0 41	5 38	1 41	1 23	15 10	13 42	13 29	15 35	3 14	4 37
T 17	20 51	15 12	4 59	23 23	0s 1	22 53	0 33	16 14	0 59	21 51	0 30	20 17	0 32	18 15	0 41	5 38	1 42	1 23	15 10	13 37	13 28	15 36	3 13	4 36
W18	20 39	11 59	4 58	23 27	0 9	22 45	0 35	16 25	0 58	21 52	0 30	20 18	0 32	18 16	0 41	5 38	1 42	1 24	15 10	13 33	13 27	15 37	3 13	4 36
T 19	20 27	8 6	4 40	23 30	0 17	22 36	0 37	16 35	0 58	21 54	0 30	20 20	0 32	18 17	0 41	5 38	1 42	1 24	15 9	13 29	13 26	15 38	3 12	4 36
F 20	20 14	3 46	4 7	23 32	0 24	22 27	0 39	16 45	0 57	21 55	0 30	20 21	0 32	18 17	0 41	5 38	1 42	1 24	15 9	13 26	13 25	15 39	3 11	4 36
S 21	20 1	0s48	3 19	23 32	0 32	22 17	0 41	16 55	0 57	21 57	0 31	20 22	0 33	18 18	0 41	5 38	1 42	1 24	15 9	13 23	13 24	15 40	3 10	4 35
S 22	19 48	5 23	2 19	23 32	0 39	22 6	0 43	17 5	0 56	21 58	0 31	20 23	0 33	18 19	0 41	5 38	1 42	1 25	15 8	13 22	13 23	15 41	3 9	4 35
M23	19 34	9 43	1 10	23 30	0 46	21 55	0 45	17 15	0 56	21 59	0 31	20 24	0 33	18 19	0 41	5 37	1 42	1 25	15 8	13 22	13 22	15 42	3 8	4 35
T 24	19 20	13 32	0n 4	23 27	0 52	21 43	0 47	17 24	0 56	22 1	0 31	20 26	0 33	18 20	0 41	5 37	1 42	1 25	15 8	13 22	13 21	15 43	3 7	4 35
W25	19 6	16 36	1 18	23 22	0 59	21 30	0 49	17 34	0 55	22 2	0 31	20 27	0 33	18 21	0 41	5 37	1 42	1 26	15 7	13 21	13 20	15 44	3 6	4 35
T 26	18 51	18 40	2 27	23 17	1 5	21 17	0 51	17 43	0 55	22 4	0 31	20 28	0 33	18 22	0 41	5 37	1 42	1 26	15 7	13 21	13 19	15 45	3 5	4 34
F 27	18 35	19 34	3 27	23 10	1 11	21 3	0 53	17 53	0 54	22 5	0 31	20 29	0 33	18 22	0 41	5 37	1 42	1 26	15 7	13 19	13 18	15 47	3 4	4 34
S 28	18 20	19 13	4 15	23 2	1 17	20 48	0 55	18 2	0 54	22 6	0 31	20 30	0 33	18 23	0 41	5 37	1 42	1 26	15 6	13 17	13 17	15 48	3 3	4 34
S 29	18 4	17 40	4 46	22 52	1 22	20 33	0 57	18 11	0 53	22 8	0 31	20 32	0 33	18 24	0 41	5 37	1 42	1 27	15 6	13 13	13 16	15 49	3 2	4 34
M30	17 48	15 5	5 0	22 41	1 27	20 17	0 59	18 20	0 53	22 9	0 31	20 33	0 33	18 24	0 42	5 36	1 42	1 27	15 6	13 9	13 15	15 50	3 0	4 34
T 31	17s31	11s42	4n56	22s28	1s32	20s 1	1s 0	18s29	0n52	22n10	0n32	20n34	0n34	18n25	0n42	5s36	1n42	1n27	15s 5	13s 5	13s14	15n51	2s59	4n33

Julian Day Number = 2313848.5, Delta T = 63.84 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'43, Lahiri = 18°35'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

FEBRUARY 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 43 20	11♒56'36	28♒18	27♉42	6♒19	26♏44	22°R 5	0°R44	10°R 2	18°R16	13♉22	4°R24	4♏59	16♉45	11♓43	W 1
T 2	8 47 16	12°57'24	11♓25	29°16	7°34	27°19	21♋58	0♌39	10♌ 0	18♎16	13°22	4♏13	4°56	16°51	11°46	T 2
F 3	8 51 13	13°58'11	24°11	0♒52	8°49	27°54	21°51	0°34	9°57	18°16	13°22	4° 4	4°53	16°58	11°50	F 3
S 4	8 55 9	14°58'57	6♈38	2°28	10° 4	28°29	21°44	0°29	9°54	18°15	13°22	3°59	4°49	17° 5	11°53	S 4
S 5	8 59 6	15°59'41	18°48	4° 5	11°20	29° 4	21°37	0°25	9°52	18°14	13°22	3°56	4°46	17°11	11°57	S 5
M 6	9 3 2	17° 0'23	0♉45	5°43	12°35	29°39	21°31	0°20	9°49	18°14	13°22	3°D55	4°43	17°18	12° 0	M 6
T 7	9 6 59	18° 1'04	12°35	7°21	13°50	0♐14	21°24	0°15	9°47	18°13	13°23	3°R55	4°40	17°24	12° 4	T 7
W 8	9 10 56	19° 1'43	24°22	9° 1	15° 5	0°49	21°18	0°11	9°44	18°13	13°23	3°55	4°37	17°31	12° 7	W 8
T 9	9 14 52	20° 2'21	6♊14	10°41	16°20	1°24	21°11	0° 6	9°41	18°12	13°23	3°54	4°34	17°38	12°11	T 9
F 10	9 18 49	21° 2'57	18°14	12°22	17°35	1°58	21° 5	0° 2	9°39	18°11	13°24	3°50	4°30	17°44	12°15	F 10
S 11	9 22 45	22° 3'31	0♋28	14° 4	18°51	2°33	20°59	29♋58	9°36	18°11	13°24	3°44	4°27	17°51	12°18	S 11
S 12	9 26 42	23° 4'03	12°59	15°47	20° 6	3° 8	20°53	29°53	9°34	18°10	13°24	3°36	4°24	17°58	12°22	S 12
M13	9 30 38	24° 4'33	25°50	17°31	21°21	3°42	20°48	29°49	9°31	18° 9	13°25	3°25	4°21	18° 4	12°26	M13
T 14	9 34 35	25° 5'02	9♌ 1	19°16	22°36	4°17	20°42	29°45	9°29	18° 8	13°25	3°14	4°18	18°11	12°29	T 14
W15	9 38 31	26° 5'29	22°32	21° 2	23°51	4°51	20°37	29°41	9°26	18° 7	13°25	3° 2	4°15	18°18	12°33	W15
T 16	9 42 28	27° 5'54	6♍20	22°48	25° 6	5°25	20°32	29°37	9°24	18° 7	13°26	2°51	4°11	18°24	12°37	T 16
F 17	9 46 25	28° 6'18	20°21	24°36	26°21	6° 0	20°26	29°33	9°21	18° 6	13°26	2°43	4° 8	18°31	12°40	F 17
S 18	9 50 21	29° 6'40	4♎30	26°24	27°36	6°34	20°22	29°29	9°19	18° 5	13°27	2°37	4° 5	18°38	12°44	S 18
S 19	9 54 18	0♓ 7'01	18°42	28°14	28°51	7° 8	20°17	29°25	9°16	18° 4	13°27	2°34	4° 2	18°44	12°48	S 19
M20	9 58 14	1° 7'20	2♏56	0♓ 4	0♓ 6	7°42	20°12	29°21	9°14	18° 3	13°28	2°D33	3°59	18°51	12°52	M20
T 21	10 2 11	2° 7'38	17° 7	1°55	1°21	8°16	20° 8	29°17	9°12	18° 2	13°28	2°34	3°55	18°58	12°55	T 21
W22	10 6 7	3° 7'54	1♐15	3°48	2°36	8°50	20° 4	29°13	9° 9	18° 1	13°29	2°R34	3°52	19° 4	12°59	W22
T 23	10 10 4	4° 8'09	15°18	5°41	3°51	9°23	20° 0	29°10	9° 7	18° 0	13°29	2°34	3°49	19°11	13° 3	T 23
F 24	10 14 0	5° 8'23	29°16	7°34	5° 6	9°57	19°56	29° 6	9° 5	17°59	13°30	2°31	3°46	19°18	13° 7	F 24
S 25	10 17 57	6° 8'35	13♑ 6	9°29	6°21	10°31	19°52	29° 3	9° 3	17°58	13°30	2°26	3°43	19°24	13°11	S 25
S 26	10 21 54	7° 8'45	26°49	11°24	7°36	11° 4	19°48	29° 0	9° 0	17°56	13°31	2°19	3°40	19°31	13°14	S 26
M27	10 25 50	8° 8'54	10♒22	13°20	8°51	11°38	19°45	28°56	8°58	17°55	13°32	2°10	3°36	19°37	13°18	M27
T 28	10 29 47	9♓ 9'01	23♒42	15♓16	10♓ 6	12♐11	19♋42	28♋53	8♌56	17♎54	13♉32	2♏ 0	3♏33	19♉44	13♓22	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s15	7s47	4n35	22s15	1s37	19s44	1s 2	18s38	0n51	22n12	0n32	20n35	0n34	18n26	0n42	5s36	1n42	1n28	15s 5	13s 1	13s13	15n52	2s58	4n33
T 2	16 57	3 36	4 0	21 59	1 41	19 26	1 4	18 46	0 51	22 13	0 32	20 36	0 34	18 27	0 42	5 36	1 42	1 28	15 5	12 57	13 11	15 53	2 57	4 33
F 3	16 40	0n39	3 14	21 43	1 45	19 8	1 5	18 55	0 50	22 14	0 32	20 37	0 34	18 27	0 42	5 36	1 43	1 29	15 4	12 54	13 10	15 54	2 56	4 33
S 4	16 22	4 46	2 19	21 25	1 49	18 50	1 7	19 3	0 50	22 15	0 32	20 38	0 34	18 28	0 42	5 35	1 43	1 29	15 4	12 52	13 9	15 55	2 55	4 33
S 5	16 4	8 36	1 19	21 5	1 52	18 30	1 8	19 11	0 49	22 16	0 32	20 39	0 34	18 29	0 42	5 35	1 43	1 29	15 4	12 51	13 8	15 56	2 54	4 33
M 6	15 46	12 1	0 17	20 44	1 55	18 11	1 10	19 20	0 49	22 17	0 32	20 40	0 34	18 29	0 42	5 35	1 43	1 30	15 3	12 51	13 7	15 57	2 52	4 32
T 7	15 28	14 55	0s46	20 22	1 58	17 50	1 11	19 28	0 48	22 19	0 32	20 42	0 34	18 30	0 42	5 35	1 43	1 30	15 3	12 51	13 6	15 58	2 51	4 32
W 8	15 9	17 11	1 47	19 58	2 0	17 30	1 12	19 35	0 47	22 20	0 32	20 43	0 34	18 31	0 42	5 34	1 43	1 30	15 3	12 51	13 5	15 59	2 50	4 32
T 9	14 50	18 43	2 43	19 33	2 2	17 8	1 13	19 43	0 47	22 21	0 32	20 44	0 34	18 32	0 42	5 34	1 43	1 31	15 2	12 50	13 4	16 0	2 49	4 32
F 10	14 31	19 26	3 33	19 6	2 3	16 47	1 15	19 51	0 46	22 22	0 32	20 45	0 34	18 32	0 42	5 34	1 43	1 31	15 2	12 49	13 3	16 1	2 48	4 32
S 11	14 11	19 16	4 14	18 38	2 5	16 24	1 16	19 58	0 45	22 23	0 32	20 46	0 35	18 33	0 42	5 33	1 43	1 32	15 2	12 47	13 2	16 2	2 46	4 32
S 12	13 51	18 9	4 43	18 8	2 5	16 2	1 17	20 6	0 45	22 24	0 33	20 47	0 35	18 34	0 42	5 33	1 43	1 32	15 1	12 44	13 1	16 3	2 45	4 31
M13	13 31	16 6	5 0	17 36	2 6	15 39	1 18	20 13	0 44	22 25	0 33	20 48	0 35	18 34	0 42	5 33	1 43	1 32	15 1	12 41	13 0	16 4	2 44	4 31
T 14	13 11	13 12	5 1	17 4	2 6	15 15	1 19	20 20	0 43	22 26	0 33	20 49	0 35	18 35	0 42	5 32	1 43	1 33	15 1	12 37	12 59	16 5	2 43	4 31
W15	12 51	9 32	4 45	16 30	2 5	14 51	1 20	20 27	0 43	22 26	0 33	20 50	0 35	18 36	0 42	5 32	1 43	1 33	15 0	12 33	12 58	16 6	2 41	4 31
T 16	12 30	5 17	4 13	15 54	2 4	14 27	1 21	20 34	0 42	22 27	0 33	20 51	0 35	18 36	0 42	5 31	1 43	1 34	15 0	12 29	12 56	16 7	2 40	4 31
F 17	12 9	0 41	3 25	15 17	2 3	14 2	1 21	20 41	0 41	22 28	0 33	20 51	0 35	18 37	0 41	5 31	1 43	1 34	15 0	12 26	12 55	16 8	2 39	4 31
S 18	11 48	3s59	2 24	14 38	2 1	13 37	1 22	20 47	0 40	22 29	0 33	20 52	0 35	18 38	0 41	5 31	1 43	1 35	14 59	12 24	12 54	16 9	2 37	4 31
S 19	11 27	8 28	1 13	13 58	1 58	13 11	1 23	20 54	0 40	22 30	0 33	20 53	0 35	18 38	0 41	5 30	1 43	1 35	14 59	12 23	12 53	16 10	2 36	4 31
M20	11 6	12 29	0n 2	13 16	1 55	12 45	1 23	21 0	0 39	22 30	0 33	20 54	0 35	18 39	0 41	5 30	1 43	1 36	14 59	12 23	12 52	16 11	2 35	4 30
T 21	10 44	15 45	1 17	12 33	1 52	12 19	1 24	21 6	0 38	22 31	0 33	20 55	0 35	18 39	0 41	5 29	1 43	1 36	14 58	12 23	12 51	16 12	2 33	4 30
W22	10 23	18 3	2 27	11 49	1 48	11 53	1 24	21 12	0 37	22 32	0 33	20 56	0 35	18 40	0 41	5 29	1 44	1 36	14 58	12 23	12 50	16 13	2 32	4 30
T 23	10 1	19 14	3 28	11 3	1 43	11 26	1 25	21 18	0 36	22 32	0 33	20 57	0 35	18 41	0 41	5 29	1 44	1 37	14 58	12 23	12 49	16 14	2 31	4 30
F 24	9 39	19 13	4 16	10 16	1 38	10 59	1 25	21 24	0 35	22 33	0 33	20 57	0 35	18 41	0 41	5 28	1 44	1 37	14 57	12 22	12 48	16 15	2 29	4 30
S 25	9 17	18 3	4 49	9 28	1 33	10 31	1 26	21 30	0 35	22 34	0 33	20 58	0 36	18 42	0 41	5 28	1 44	1 38	14 57	12 21	12 47	16 16	2 28	4 30
S 26	8 54	15 51	5 4	8 38	1 26	10 4	1 26	21 35	0 34	22 34	0 33	20 59	0 36	18 42	0 41	5 27	1 44	1 38	14 57	12 18	12 46	16 17	2 27	4 30
M27	8 32	12 49	5 3	7 47	1 19	9 36	1 26	21 41	0 33	22 35	0 33	21 0	0 36	18 43	0 41	5 27	1 44	1 39	14 56	12 15	12 45	16 18	2 25	4 30
T 28	8s 9	9s10	4n44	6s55	1s12	9s 7	1s26	21s46	0n32	22n35	0n33	21n 0	0n36	18n44	0n41	5s26	1n44	1n39	14s56	12s12	12s44	16n19	2s24	4n30

Julian Day Number = 2313879.5, Delta T = 63.76 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'47, Lahiri = 18°35'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

MARCH 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 33 43	10♓ 9'06	6♓48	17♓12	11♓21	12♐44	19°R39	28°R50	8°R54	17°R53	13♉33	1°R51	3♏30	19♉51	13♓26	W 1
T 2	10 37 40	11° 9'09	19°39	19° 8	12°36	13°17	19♋36	28♋47	8♌52	17♎52	13°34	1♏43	3°27	19°57	13°30	T 2
F 3	10 41 36	12° 9'10	2♈13	21° 5	13°51	13°50	19°34	28°44	8°50	17°50	13°34	1°37	3°24	20° 4	13°33	F 3
S 4	10 45 33	13° 9'10	14°33	23° 0	15° 6	14°23	19°31	28°41	8°48	17°49	13°35	1°33	3°21	20°11	13°37	S 4
S 5	10 49 29	14° 9'07	26°39	24°55	16°21	14°56	19°29	28°39	8°46	17°48	13°36	1°D31	3°17	20°17	13°41	S 5
M 6	10 53 26	15° 9'02	8♉35	26°49	17°35	15°29	19°27	28°36	8°44	17°47	13°37	1°31	3°14	20°24	13°45	M 6
T 7	10 57 22	16° 8'55	20°24	28°42	18°50	16° 1	19°25	28°33	8°42	17°45	13°37	1°33	3°11	20°31	13°49	T 7
W 8	11 1 19	17° 8'45	2♊12	0♈32	20° 5	16°34	19°24	28°31	8°40	17°44	13°38	1°34	3° 8	20°37	13°52	W 8
T 9	11 5 16	18° 8'34	14° 3	2°21	21°20	17° 6	19°22	28°29	8°38	17°43	13°39	1°R35	3° 5	20°44	13°56	T 9
F 10	11 9 12	19° 8'20	26° 3	4° 6	22°34	17°38	19°21	28°27	8°36	17°41	13°40	1°35	3° 1	20°51	14° 0	F 10
S 11	11 13 9	20° 8'04	8♋17	5°48	23°49	18°10	19°20	28°24	8°34	17°40	13°41	1°33	2°58	20°57	14° 4	S 11
S 12	11 17 5	21° 7'46	20°49	7°27	25° 4	18°42	19°19	28°22	8°33	17°38	13°42	1°29	2°55	21° 4	14° 8	S 12
M13	11 21 2	22° 7'25	3♌43	9° 2	26°19	19°14	19°18	28°20	8°31	17°37	13°43	1°24	2°52	21°11	14°11	M13
T 14	11 24 58	23° 7'03	17° 0	10°32	27°33	19°46	19°18	28°19	8°29	17°35	13°43	1°18	2°49	21°17	14°15	T 14
W15	11 28 55	24° 6'38	0♍42	11°56	28°48	20°17	19°18	28°17	8°28	17°34	13°44	1°12	2°46	21°24	14°19	W15
T 16	11 32 51	25° 6'10	14°46	13°16	0♈ 3	20°49	19°D18	28°15	8°26	17°33	13°45	1° 6	2°42	21°31	14°23	T 16
F 17	11 36 48	26° 5'41	29° 8	14°29	1°17	21°20	19°18	28°14	8°25	17°31	13°46	1° 2	2°39	21°37	14°26	F 17
S 18	11 40 45	27° 5'10	13♎43	15°36	2°32	21°51	19°18	28°12	8°23	17°30	13°47	0°59	2°36	21°44	14°30	S 18
S 19	11 44 41	28° 4'36	28°23	16°36	3°46	22°22	19°19	28°11	8°22	17°28	13°48	0°D58	2°33	21°50	14°34	S 19
M20	11 48 38	29° 4'01	13♏ 2	17°30	5° 1	22°53	19°19	28°10	8°20	17°26	13°49	0°58	2°30	21°57	14°38	M20
T 21	11 52 34	0♈ 3'24	27°35	18°16	6°15	23°24	19°20	28° 9	8°19	17°25	13°50	1° 0	2°26	22° 4	14°41	T 21
W22	11 56 31	1° 2'45	11♐58	18°55	7°30	23°54	19°21	28° 8	8°18	17°23	13°51	1° 1	2°23	22°10	14°45	W22
T 23	12 0 27	2° 2'05	26° 7	19°27	8°44	24°25	19°22	28° 7	8°16	17°22	13°52	1°R 2	2°20	22°17	14°49	T 23
F 24	12 4 24	3° 1'23	10♑ 2	19°51	9°59	24°55	19°24	28° 6	8°15	17°20	13°53	1° 2	2°17	22°24	14°52	F 24
S 25	12 8 20	4° 0'39	23°42	20° 8	11°13	25°25	19°26	28° 6	8°14	17°19	13°54	1° 1	2°14	22°30	14°56	S 25
S 26	12 12 17	4°59'53	7♒ 7	20°17	12°28	25°55	19°27	28° 5	8°13	17°17	13°55	0°58	2°11	22°37	15° 0	S 26
M27	12 16 14	5°59'06	20°17	20°R19	13°42	26°25	19°29	28° 5	8°12	17°15	13°57	0°55	2° 7	22°44	15° 3	M27
T 28	12 20 10	6°58'16	3♓14	20°14	14°56	26°54	19°32	28° 4	8°11	17°14	13°58	0°51	2° 4	22°50	15° 7	T 28
W29	12 24 7	7°57'25	15°57	20° 2	16°11	27°24	19°34	28° 4	8°10	17°12	13°59	0°47	2° 1	22°57	15°11	W29
T 30	12 28 3	8°56'31	28°28	19°44	17°25	27°53	19°37	28°D 4	8° 9	17°11	14° 0	0°44	1°58	23° 4	15°14	T 30
F 31	12 32 0	9♈55'36	10♈46	19♈20	18♈40	28♐22	19♋39	28♋ 4	8♌ 8	17♎ 9	14♉ 1	0♏42	1♏55	23♉10	15♓18	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s47	5s 8	4n11	6s 3	1s 4	8s39	1s26	21s51	0n31	22n36	0n33	21n 1	0n36	18n44	0n41	5s26	1n44	1n40	14s56	12s 8	12s42	16n20	2s23	4n30
T 2	7 24	0 57	3 26	5 9	0 55	8 10	1 26	21 56	0 30	22 36	0 33	21 2	0 36	18 45	0 41	5 25	1 44	1 40	14 56	12 6	12 41	16 21	2 21	4 30
F 3	7 1	3n12	2 31	4 15	0 46	7 41	1 26	22 1	0 29	22 36	0 33	21 2	0 36	18 45	0 41	5 25	1 44	1 41	14 55	12 3	12 40	16 22	2 20	4 29
S 4	6 38	7 8	1 30	3 20	0 36	7 12	1 26	22 6	0 28	22 37	0 33	21 3	0 36	18 46	0 41	5 24	1 44	1 41	14 55	12 2	12 39	16 23	2 18	4 29
S 5	6 15	10 42	0 26	2 25	0 26	6 43	1 26	22 11	0 27	22 37	0 33	21 4	0 36	18 46	0 41	5 24	1 44	1 42	14 55	12 2	12 38	16 24	2 17	4 29
M 6	5 52	13 47	0s38	1 30	0 15	6 13	1 25	22 16	0 26	22 37	0 33	21 4	0 36	18 47	0 41	5 23	1 44	1 42	14 54	12 2	12 37	16 25	2 16	4 29
T 7	5 28	16 16	1 41	0 34	0 4	5 44	1 25	22 20	0 25	22 38	0 33	21 5	0 36	18 47	0 41	5 23	1 44	1 43	14 54	12 2	12 36	16 26	2 14	4 29
W 8	5 5	18 3	2 39	0n20	0n 8	5 14	1 25	22 24	0 24	22 38	0 33	21 5	0 36	18 48	0 41	5 22	1 44	1 43	14 54	12 3	12 35	16 27	2 13	4 29
T 9	4 42	19 3	3 30	1 15	0 20	4 44	1 24	22 29	0 23	22 38	0 34	21 6	0 36	18 48	0 41	5 21	1 44	1 44	14 54	12 3	12 34	16 28	2 11	4 29
F 10	4 18	19 12	4 13	2 8	0 33	4 14	1 24	22 33	0 22	22 38	0 34	21 6	0 36	18 49	0 41	5 21	1 44	1 44	14 53	12 3	12 33	16 29	2 10	4 29
S 11	3 55	18 28	4 46	3 1	0 46	3 44	1 23	22 37	0 21	22 39	0 34	21 7	0 36	18 49	0 41	5 20	1 44	1 45	14 53	12 2	12 32	16 30	2 8	4 29
S 12	3 31	16 50	5 5	3 52	0 59	3 13	1 22	22 41	0 20	22 39	0 34	21 7	0 36	18 49	0 41	5 20	1 44	1 45	14 53	12 1	12 30	16 31	2 7	4 29
M13	3 8	14 20	5 10	4 41	1 11	2 43	1 22	22 44	0 18	22 39	0 34	21 8	0 36	18 50	0 41	5 19	1 44	1 46	14 52	11 59	12 29	16 31	2 6	4 29
T 14	2 44	11 1	4 59	5 28	1 24	2 13	1 21	22 48	0 17	22 39	0 34	21 8	0 36	18 50	0 41	5 19	1 44	1 46	14 52	11 57	12 28	16 32	2 4	4 29
W15	2 21	7 1	4 31	6 13	1 37	1 42	1 20	22 52	0 16	22 39	0 34	21 8	0 36	18 51	0 41	5 18	1 44	1 47	14 52	11 55	12 27	16 33	2 3	4 29
T 16	1 57	2 32	3 46	6 56	1 50	1 11	1 19	22 55	0 15	22 39	0 34	21 9	0 36	18 51	0 41	5 17	1 44	1 47	14 52	11 53	12 26	16 34	2 1	4 29
F 17	1 33	2s11	2 45	7 35	2 2	0 41	1 18	22 58	0 14	22 39	0 34	21 9	0 37	18 51	0 41	5 17	1 44	1 48	14 51	11 51	12 25	16 35	2 0	4 29
S 18	1 10	6 51	1 33	8 12	2 13	0 10	1 17	23 2	0 12	22 39	0 34	21 9	0 37	18 52	0 41	5 16	1 44	1 48	14 51	11 50	12 24	16 36	1 59	4 29
S 19	0 46	11 8	0 14	8 46	2 24	0n20	1 16	23 5	0 11	22 39	0 34	21 10	0 37	18 52	0 41	5 16	1 44	1 49	14 51	11 50	12 23	16 37	1 57	4 29
M20	0 22	14 44	1n 6	9 16	2 35	0 51	1 15	23 8	0 10	22 39	0 34	21 10	0 37	18 53	0 41	5 15	1 44	1 49	14 51	11 50	12 22	16 38	1 56	4 29
T 21	0n 1	17 22	2 21	9 42	2 44	1 22	1 14	23 11	0 8	22 39	0 34	21 10	0 37	18 53	0 41	5 14	1 45	1 50	14 50	11 51	12 21	16 39	1 54	4 29
W22	0 25	18 52	3 26	10 5	2 53	1 52	1 12	23 14	0 7	22 39	0 34	21 11	0 37	18 53	0 41	5 14	1 45	1 50	14 50	11 51	12 20	16 40	1 53	4 29
T 23	0 49	19 8	4 18	10 25	3 1	2 23	1 11	23 16	0 6	22 38	0 34	21 11	0 37	18 53	0 41	5 13	1 45	1 51	14 50	11 51	12 18	16 41	1 51	4 29
F 24	1 12	18 14	4 53	10 40	3 7	2 54	1 10	23 19	0 4	22 38	0 34	21 11	0 37	18 54	0 41	5 13	1 45	1 51	14 50	11 51	12 17	16 41	1 50	4 29
S 25	1 36	16 17	5 11	10 51	3 13	3 24	1 8	23 21	0 3	22 38	0 34	21 11	0 37	18 54	0 41	5 12	1 45	1 52	14 50	11 51	12 16	16 42	1 49	4 29
S 26	1 59	13 30	5 12	10 59	3 17	3 55	1 7	23 24	0 1	22 38	0 34	21 11	0 37	18 54	0 41	5 11	1 45	1 52	14 49	11 50	12 15	16 43	1 47	4 29
M27	2 23	10 4	4 56	11 2	3 19	4 25	1 5	23 26	0s 0	22 37	0 34	21 11	0 37	18 55	0 41	5 11	1 45	1 53	14 49	11 49	12 14	16 44	1 46	4 29
T 28	2 46	6 13	4 26	11 1	3 21	4 55	1 4	23 29	0 2	22 37	0 34	21 11	0 37	18 55	0 41	5 10	1 45	1 53	14 49	11 48	12 13	16 45	1 44	4 29
W29	3 10	2 8	3 42	10 56	3 20	5 25	1 2	23 31	0 3	22 37	0 34	21 12	0 37	18 55	0 41	5 9	1 45	1 54	14 49	11 46	12 12	16 46	1 43	4 29
T 30	3 33	1n58	2 48	10 47	3 18	5 55	1 0	23 33	0 5	22 36	0 34	21 12	0 37	18 55	0 41	5 9	1 45	1 54	14 49	11 45	12 11	16 47	1 41	4 29
F 31	3n56	5n55	1n48	10n35	3n14	6n25	0s59	23s35	0s 6	22n36	0n34	21n12	0n37	18n55	0n41	5s 8	1n45	1n55	14s48	11s44	12s10	16n48	1s40	4n29

Julian Day Number = 2313907.5, Delta T = 63.70 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'51, Lahiri = 18°35'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

APRIL 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 35 56	10♈54'38	22♈54	18°R50	19♈54	28♐50	19♋42	28♋ 4	8°R 7	17°R 7	14♉ 2	0°R41	1♏52	23♉17	15♓21	S 1
S 2	12 39 53	11°53'39	4♉54	18♈16	21° 8	29°19	19°45	28° 4	8♌ 7	17♎ 6	14° 3	0°D41	1°48	23°24	15°25	S 2
M 3	12 43 49	12°52'37	16°46	17°38	22°22	29°47	19°49	28° 5	8° 6	17° 4	14° 5	0♏41	1°45	23°30	15°28	M 3
T 4	12 47 46	13°51'33	28°34	16°56	23°37	0♊15	19°52	28° 5	8° 5	17° 2	14° 6	0°42	1°42	23°37	15°32	T 4
W 5	12 51 42	14°50'27	10♊22	16°13	24°51	0°43	19°56	28° 6	8° 5	17° 1	14° 7	0°44	1°39	23°44	15°35	W 5
T 6	12 55 39	15°49'19	22°14	15°28	26° 5	1°11	20° 0	28° 7	8° 4	16°59	14° 8	0°45	1°36	23°50	15°38	T 6
F 7	12 59 36	16°48'09	4♋13	14°42	27°19	1°38	20° 4	28° 7	8° 4	16°57	14° 9	0°46	1°32	23°57	15°42	F 7
S 8	13 3 32	17°46'56	16°25	13°57	28°33	2° 6	20° 8	28° 8	8° 3	16°56	14°11	0°R47	1°29	24° 4	15°45	S 8
S 9	13 7 29	18°45'41	28°54	13°12	29°47	2°33	20°12	28° 9	8° 3	16°54	14°12	0°46	1°26	24°10	15°49	S 9
M10	13 11 25	19°44'24	11♌44	12°30	1♉ 2	2°59	20°17	28°10	8° 2	16°53	14°13	0°46	1°23	24°17	15°52	M10
T 11	13 15 22	20°43'04	24°59	11°50	2°16	3°26	20°21	28°12	8° 2	16°51	14°14	0°45	1°20	24°24	15°55	T 11
W12	13 19 18	21°41'42	8♍41	11°14	3°30	3°52	20°26	28°13	8° 2	16°49	14°16	0°43	1°17	24°30	15°58	W12
T 13	13 23 15	22°40'18	22°48	10°41	4°44	4°18	20°31	28°14	8° 2	16°48	14°17	0°42	1°13	24°37	16° 2	T 13
F 14	13 27 11	23°38'52	7♎19	10°13	5°58	4°44	20°36	28°16	8° 2	16°46	14°18	0°42	1°10	24°43	16° 5	F 14
S 15	13 31 8	24°37'24	22° 8	9°49	7°12	5° 9	20°41	28°18	8° 2	16°44	14°19	0°41	1° 7	24°50	16° 8	S 15
S 16	13 35 5	25°35'54	7♏ 8	9°29	8°26	5°34	20°47	28°19	8°D 2	16°43	14°21	0°D41	1° 4	24°57	16°11	S 16
M17	13 39 1	26°34'22	22°10	9°15	9°39	5°59	20°53	28°21	8° 2	16°41	14°22	0°42	1° 1	25° 3	16°14	M17
T 18	13 42 58	27°32'48	7♐ 7	9° 5	10°53	6°24	20°58	28°23	8° 2	16°40	14°23	0°42	0°57	25°10	16°17	T 18
W19	13 46 54	28°31'13	21°51	9°D 1	12° 7	6°48	21° 4	28°25	8° 2	16°38	14°25	0°42	0°54	25°17	16°20	W19
T 20	13 50 51	29°29'36	6♑16	9° 1	13°21	7°12	21°10	28°27	8° 2	16°36	14°26	0°42	0°51	25°23	16°23	T 20
F 21	13 54 47	0♒27'58	20°19	9° 7	14°35	7°36	21°16	28°30	8° 2	16°35	14°27	0°42	0°48	25°30	16°26	F 21
S 22	13 58 44	1°26'18	4♓ 0	9°17	15°49	7°59	21°23	28°32	8° 3	16°33	14°29	0°42	0°45	25°37	16°29	S 22
S 23	14 2 40	2°24'36	17°18	9°33	17° 2	8°22	21°29	28°34	8° 3	16°32	14°30	0°42	0°42	25°43	16°32	S 23
M24	14 6 37	3°22'53	0♈17	9°52	18°16	8°45	21°36	28°37	8° 4	16°30	14°31	0°43	0°38	25°50	16°35	M24
T 25	14 10 34	4°21'09	12°59	10°17	19°30	9° 7	21°43	28°40	8° 4	16°28	14°33	0°43	0°35	25°57	16°38	T 25
W26	14 14 30	5°19'22	25°25	10°45	20°44	9°29	21°50	28°42	8° 5	16°27	14°34	0°43	0°32	26° 3	16°41	W26
T 27	14 18 27	6°17'35	7♈39	11°18	21°57	9°50	21°57	28°45	8° 5	16°25	14°35	0°44	0°29	26°10	16°43	T 27
F 28	14 22 23	7°15'45	19°44	11°55	23°11	10°12	22° 4	28°48	8° 6	16°24	14°37	0°44	0°26	26°17	16°46	F 28
S 29	14 26 20	8°13'54	1♉41	12°35	24°25	10°32	22°11	28°51	8° 6	16°22	14°38	0°R44	0°23	26°23	16°49	S 29
S 30	14 30 16	9♉12'01	13♉33	13♈19	25♉38	10♊53	22♋19	28♋54	8♌ 7	16♎21	14♉39	0♏44	0♏19	26♉30	16♓51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n20	9n35	0n43	10n18	3n 9	6n55	0s57	23s37	0s 8	22n36	0n34	21n12	0n37	18n56	0n41	5s 8	1n45	1n55	14s48	11s44	12s 9	16n48	1s39	4n29
S 2	4 43	12 49	0s23	9 59	3 2	7 25	0 55	23 39	0 9	22 35	0 34	21 12	0 37	18 56	0 41	5 7	1 45	1 56	14 48	11 44	12 7	16 49	1 37	4 29
M 3	5 6	15 28	1 28	9 36	2 54	7 54	0 53	23 40	0 11	22 35	0 34	21 12	0 37	18 56	0 41	5 6	1 45	1 56	14 48	11 44	12 6	16 50	1 36	4 29
T 4	5 29	17 28	2 28	9 11	2 44	8 23	0 51	23 42	0 13	22 34	0 34	21 11	0 37	18 56	0 41	5 6	1 45	1 57	14 48	11 45	12 5	16 51	1 35	4 29
W 5	5 52	18 42	3 23	8 44	2 33	8 52	0 49	23 44	0 15	22 34	0 34	21 11	0 37	18 56	0 41	5 5	1 45	1 57	14 47	11 45	12 4	16 52	1 33	4 29
T 6	6 14	19 7	4 8	8 15	2 20	9 21	0 47	23 45	0 16	22 33	0 34	21 11	0 37	18 56	0 41	5 4	1 45	1 58	14 47	11 46	12 3	16 53	1 32	4 30
F 7	6 37	18 41	4 44	7 45	2 6	9 50	0 45	23 47	0 18	22 32	0 34	21 11	0 37	18 56	0 40	5 4	1 45	1 58	14 47	11 46	12 2	16 53	1 30	4 30
S 8	6 59	17 23	5 7	7 13	1 52	10 18	0 43	23 48	0 20	22 32	0 34	21 11	0 37	18 56	0 40	5 3	1 45	1 59	14 47	11 46	12 1	16 54	1 29	4 30
S 9	7 22	15 15	5 17	6 42	1 36	10 47	0 41	23 50	0 22	22 31	0 34	21 11	0 37	18 57	0 40	5 2	1 45	1 59	14 47	11 46	12 0	16 55	1 28	4 30
M10	7 44	12 18	5 11	6 11	1 20	11 15	0 39	23 51	0 24	22 31	0 34	21 11	0 37	18 57	0 40	5 2	1 45	2 0	14 47	11 46	11 59	16 56	1 26	4 30
T 11	8 6	8 40	4 49	5 40	1 4	11 42	0 37	23 52	0 26	22 30	0 34	21 10	0 37	18 57	0 40	5 1	1 45	2 0	14 46	11 45	11 58	16 57	1 25	4 30
W12	8 28	4 28	4 11	5 10	0 47	12 10	0 35	23 54	0 28	22 29	0 34	21 10	0 37	18 57	0 40	5 1	1 45	2 1	14 46	11 45	11 56	16 58	1 24	4 30
T 13	8 50	0s 8	3 15	4 42	0 30	12 37	0 32	23 55	0 30	22 28	0 34	21 10	0 37	18 57	0 40	5 0	1 45	2 1	14 46	11 45	11 55	16 58	1 22	4 30
F 14	9 12	4 50	2 6	4 16	0 14	13 4	0 30	23 56	0 32	22 28	0 34	21 10	0 37	18 57	0 40	4 59	1 45	2 2	14 46	11 44	11 54	16 59	1 21	4 30
S 15	9 33	9 22	0 47	3 51	0s 3	13 30	0 28	23 57	0 34	22 27	0 34	21 9	0 37	18 57	0 40	4 59	1 45	2 2	14 46	11 44	11 53	17 0	1 20	4 30
S 16	9 55	13 21	0n36	3 29	0 18	13 56	0 26	23 58	0 36	22 26	0 34	21 9	0 37	18 57	0 40	4 58	1 45	2 3	14 46	11 44	11 52	17 1	1 18	4 30
M17	10 16	16 28	1 57	3 9	0 34	14 22	0 23	23 59	0 38	22 25	0 34	21 9	0 38	18 57	0 40	4 57	1 45	2 3	14 46	11 44	11 51	17 2	1 17	4 30
T 18	10 37	18 26	3 9	2 52	0 49	14 48	0 21	24 0	0 40	22 24	0 34	21 8	0 38	18 57	0 40	4 57	1 45	2 4	14 46	11 44	11 50	17 2	1 16	4 31
W19	10 58	19 7	4 8	2 37	1 3	15 13	0 18	24 1	0 43	22 23	0 34	21 8	0 38	18 56	0 40	4 56	1 45	2 4	14 45	11 44	11 49	17 3	1 15	4 31
T 20	11 19	18 31	4 50	2 25	1 17	15 37	0 16	24 2	0 45	22 22	0 34	21 7	0 38	18 56	0 40	4 56	1 45	2 4	14 45	11 44	11 48	17 4	1 13	4 31
F 21	11 39	16 47	5 13	2 15	1 30	16 2	0 14	24 3	0 47	22 21	0 34	21 7	0 38	18 56	0 40	4 55	1 45	2 5	14 45	11 44	11 46	17 5	1 12	4 31
S 22	12 0	14 9	5 17	2 8	1 42	16 26	0 11	24 4	0 50	22 20	0 34	21 7	0 38	18 56	0 40	4 54	1 45	2 5	14 45	11 44	11 45	17 6	1 11	4 31
S 23	12 20	10 50	5 5	2 4	1 53	16 49	0 9	24 5	0 52	22 19	0 34	21 6	0 38	18 56	0 40	4 54	1 45	2 6	14 45	11 44	11 44	17 6	1 10	4 31
M24	12 40	7 4	4 37	2 2	2 3	17 12	0 6	24 6	0 54	22 18	0 34	21 6	0 38	18 56	0 40	4 53	1 45	2 6	14 45	11 45	11 43	17 7	1 8	4 31
T 25	13 0	3 4	3 56	2 2	2 13	17 35	0 4	24 7	0 57	22 17	0 34	21 5	0 38	18 56	0 40	4 53	1 45	2 7	14 45	11 45	11 42	17 8	1 7	4 31
W26	13 19	0n59	3 4	2 5	2 22	17 57	0 1	24 8	1 0	22 16	0 34	21 4	0 38	18 56	0 40	4 52	1 45	2 7	14 45	11 45	11 41	17 9	1 6	4 32
T 27	13 39	4 57	2 5	2 11	2 30	18 19	0n 1	24 9	1 2	22 15	0 34	21 4	0 38	18 55	0 40	4 52	1 45	2 8	14 45	11 45	11 40	17 10	1 5	4 32
F 28	13 58	8 40	1 1	2 18	2 37	18 40	0 4	24 10	1 5	22 14	0 34	21 3	0 38	18 55	0 40	4 51	1 45	2 8	14 45	11 45	11 39	17 10	1 4	4 32
S 29	14 17	12 0	0s 5	2 28	2 44	19 1	0 6	24 11	1 7	22 13	0 34	21 3	0 38	18 55	0 40	4 50	1 45	2 8	14 45	11 45	11 38	17 11	1 2	4 32
S 30	14n35	14n49	1s11	2n40	2s49	19n21	0n 9	24s12	1s10	22n11	0n34	21n 2	0n38	18n55	0n40	4s50	1n45	2n 9	14s45	11s45	11s36	17n12	1s 1	4n32

Julian Day Number = 2313938.5, Delta T = 63.62 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'55, Lahiri = 18°35'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

MAY 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 34 13	10♉10'07	25♉22	14♈ 7	26♉52	11♊13	22♋26	28♋58	8♌ 8	16°R19	14♉41	0°R43	0♏16	26♉37	16♓54	M 1
T 2	14 38 9	11° 8'11	7♊10	14°58	28° 5	11°32	22°34	29° 1	8° 9	16♎18	14°42	0♏42	0°13	26°43	16°57	T 2
W 3	14 42 6	12° 6'13	18°59	15°53	29°19	11°51	22°42	29° 5	8°10	16°16	14°43	0°41	0°10	26°50	16°59	W 3
T 4	14 46 3	13° 4'14	0♋53	16°50	0♊32	12°10	22°50	29° 8	8°11	16°15	14°45	0°39	0° 7	26°57	17° 2	T 4
F 5	14 49 59	14° 2'12	12°55	17°51	1°46	12°28	22°58	29°12	8°12	16°14	14°46	0°37	0° 3	27° 3	17° 4	F 5
S 6	14 53 56	15° 0'09	25° 8	18°54	2°59	12°46	23° 6	29°15	8°13	16°12	14°47	0°36	0° 0	27°10	17° 6	S 6
S 7	14 57 52	15°58'04	7♌35	20° 0	4°13	13° 3	23°15	29°19	8°14	16°11	14°49	0°35	29♎57	27°17	17° 9	S 7
M 8	15 1 49	16°55'57	20°21	21°10	5°26	13°20	23°23	29°23	8°15	16° 9	14°50	0°D35	29°54	27°23	17°11	M 8
T 9	15 5 45	17°53'49	3♍30	22°21	6°40	13°36	23°32	29°27	8°16	16° 8	14°51	0°35	29°51	27°30	17°13	T 9
W10	15 9 42	18°51'38	17° 3	23°36	7°53	13°52	23°40	29°31	8°17	16° 7	14°53	0°36	29°48	27°37	17°16	W10
T 11	15 13 38	19°49'26	1♎ 3	24°52	9° 6	14° 7	23°49	29°35	8°19	16° 5	14°54	0°38	29°44	27°43	17°18	T 11
F 12	15 17 35	20°47'12	15°29	26°12	10°20	14°22	23°58	29°40	8°20	16° 4	14°56	0°39	29°41	27°50	17°20	F 12
S 13	15 21 32	21°44'57	0♏18	27°34	11°33	14°36	24° 7	29°44	8°22	16° 3	14°57	0°R39	29°38	27°57	17°22	S 13
S 14	15 25 28	22°42'40	15°23	28°58	12°46	14°50	24°16	29°48	8°23	16° 2	14°58	0°39	29°35	28° 3	17°24	S 14
M15	15 29 25	23°40'21	0♐37	0♉25	13°59	15° 3	24°25	29°53	8°25	16° 0	15° 0	0°37	29°32	28°10	17°26	M15
T 16	15 33 21	24°38'02	15°49	1°54	15°12	15°16	24°35	29°57	8°26	15°59	15° 1	0°35	29°29	28°17	17°28	T 16
W17	15 37 18	25°35'41	0♑49	3°25	16°26	15°28	24°44	0♌ 2	8°28	15°58	15° 2	0°31	29°25	28°23	17°30	W17
T 18	15 41 14	26°33'19	15°30	4°58	17°39	15°39	24°54	0° 7	8°29	15°57	15° 4	0°28	29°22	28°30	17°32	T 18
F 19	15 45 11	27°30'56	29°47	6°34	18°52	15°50	25° 3	0°12	8°31	15°56	15° 5	0°25	29°19	28°37	17°34	F 19
S 20	15 49 7	28°28'32	13♒35	8°13	20° 5	16° 0	25°13	0°16	8°33	15°55	15° 6	0°23	29°16	28°43	17°35	S 20
S 21	15 53 4	29°26'08	26°57	9°53	21°18	16°10	25°23	0°21	8°35	15°53	15° 8	0°D22	29°13	28°50	17°37	S 21
M22	15 57 1	0♊23'42	9♓53	11°36	22°31	16°19	25°33	0°26	8°36	15°52	15° 9	0°22	29° 9	28°57	17°39	M22
T 23	16 0 57	1°21'15	22°28	13°21	23°44	16°27	25°43	0°32	8°38	15°51	15°10	0°24	29° 6	29° 3	17°40	T 23
W24	16 4 54	2°18'47	4♈46	15° 9	24°57	16°35	25°53	0°37	8°40	15°50	15°12	0°25	29° 3	29°10	17°42	W24
T 25	16 8 50	3°16'19	16°50	16°58	26°10	16°42	26° 3	0°42	8°42	15°49	15°13	0°27	29° 0	29°17	17°43	T 25
F 26	16 12 47	4°13'50	28°46	18°50	27°23	16°48	26°14	0°47	8°44	15°48	15°14	0°R28	28°57	29°23	17°45	F 26
S 27	16 16 43	5°11'20	10♉36	20°44	28°36	16°54	26°24	0°53	8°46	15°47	15°15	0°27	28°54	29°30	17°46	S 27
S 28	16 20 40	6° 8'48	22°24	22°41	29°49	16°59	26°35	0°58	8°48	15°47	15°17	0°25	28°50	29°37	17°47	S 28
M29	16 24 36	7° 6'17	4♊12	24°39	1♋ 1	17° 3	26°45	1° 4	8°51	15°46	15°18	0°21	28°47	29°43	17°49	M29
T 30	16 28 33	8° 3'44	16° 2	26°40	2°14	17° 6	26°56	1° 9	8°53	15°45	15°19	0°16	28°44	29°50	17°50	T 30
W31	16 32 30	9♊ 1'10	27♊57	28♉42	3♋27	17♑ 9	27♋ 7	1♌15	8♌55	15♎44	15♉20	0♏ 9	28♎41	29♉57	17♓51	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14n54	17n 0	2s13	2n54	2s54	19n41	0n12	24s13	1s13	22n10	0n34	21n 1	0n38	18n55	0n40	4s49	1n45	2n 9	14s44	11s45	11s35	17n13	1s 0	4n32
T 2	15 12	18 27	3 9	3 10	2 58	20 0	0 14	24 15	1 16	22 9	0 34	21 1	0 38	18 54	0 40	4 49	1 45	2 10	14 44	11 44	11 34	17 13	0 59	4 32
W 3	15 30	19 6	3 57	3 28	3 2	20 19	0 17	24 16	1 19	22 8	0 34	21 0	0 38	18 54	0 40	4 48	1 45	2 10	14 44	11 44	11 33	17 14	0 58	4 33
T 4	15 48	18 54	4 35	3 47	3 4	20 37	0 19	24 17	1 22	22 6	0 34	20 59	0 38	18 54	0 40	4 48	1 45	2 11	14 44	11 43	11 32	17 15	0 57	4 33
F 5	16 5	17 51	5 2	4 9	3 6	20 55	0 22	24 18	1 25	22 5	0 34	20 59	0 38	18 53	0 40	4 47	1 45	2 11	14 44	11 43	11 31	17 16	0 56	4 33
S 6	16 22	15 59	5 15	4 31	3 8	21 12	0 24	24 19	1 28	22 4	0 34	20 58	0 38	18 53	0 40	4 47	1 44	2 11	14 44	11 42	11 30	17 16	0 55	4 33
S 7	16 39	13 21	5 14	4 56	3 8	21 28	0 27	24 21	1 31	22 2	0 34	20 57	0 38	18 53	0 40	4 46	1 44	2 12	14 44	11 42	11 29	17 17	0 54	4 33
M 8	16 56	10 1	4 58	5 22	3 8	21 44	0 29	24 22	1 34	22 1	0 34	20 56	0 38	18 52	0 40	4 46	1 44	2 12	14 44	11 42	11 27	17 18	0 53	4 33
T 9	17 12	6 7	4 26	5 49	3 7	21 59	0 32	24 24	1 37	21 59	0 34	20 56	0 38	18 52	0 40	4 45	1 44	2 13	14 44	11 42	11 26	17 19	0 52	4 33
W10	17 28	1 46	3 38	6 18	3 6	22 14	0 34	24 25	1 40	21 58	0 34	20 55	0 38	18 52	0 39	4 45	1 44	2 13	14 44	11 42	11 25	17 19	0 50	4 34
T 11	17 44	2s49	2 36	6 48	3 4	22 28	0 37	24 27	1 43	21 56	0 34	20 54	0 38	18 51	0 39	4 44	1 44	2 13	14 44	11 43	11 24	17 20	0 49	4 34
F 12	17 59	7 23	1 23	7 19	3 1	22 41	0 39	24 29	1 47	21 55	0 34	20 53	0 38	18 51	0 39	4 44	1 44	2 14	14 44	11 43	11 23	17 21	0 49	4 34
S 13	18 14	11 38	0 2	7 51	2 58	22 54	0 42	24 30	1 50	21 53	0 34	20 52	0 38	18 51	0 39	4 43	1 44	2 14	14 44	11 43	11 22	17 21	0 48	4 34
S 14	18 29	15 12	1n20	8 25	2 54	23 6	0 44	24 32	1 53	21 52	0 34	20 51	0 38	18 50	0 39	4 43	1 44	2 14	14 44	11 43	11 21	17 22	0 47	4 34
M15	18 44	17 45	2 38	8 59	2 50	23 17	0 46	24 34	1 57	21 50	0 34	20 50	0 38	18 50	0 39	4 42	1 44	2 15	14 44	11 43	11 20	17 23	0 46	4 34
T 16	18 58	19 1	3 44	9 35	2 45	23 28	0 49	24 36	2 0	21 48	0 34	20 49	0 38	18 49	0 39	4 42	1 44	2 15	14 44	11 42	11 19	17 24	0 45	4 35
W17	19 12	18 56	4 33	10 11	2 39	23 38	0 51	24 38	2 4	21 47	0 34	20 48	0 38	18 49	0 39	4 41	1 44	2 15	14 44	11 41	11 17	17 24	0 44	4 35
T 18	19 25	17 33	5 4	10 48	2 33	23 48	0 53	24 41	2 8	21 45	0 34	20 47	0 38	18 48	0 39	4 41	1 44	2 16	14 44	11 39	11 16	17 25	0 43	4 35
F 19	19 39	15 7	5 14	11 26	2 26	23 57	0 56	24 43	2 11	21 43	0 34	20 46	0 38	18 48	0 39	4 41	1 44	2 16	14 44	11 38	11 15	17 26	0 42	4 35
S 20	19 52	11 53	5 6	12 4	2 19	24 5	0 58	24 46	2 15	21 41	0 34	20 45	0 38	18 47	0 39	4 40	1 44	2 16	14 44	11 38	11 14	17 26	0 41	4 35
S 21	20 4	8 9	4 41	12 43	2 12	24 12	1 0	24 48	2 19	21 40	0 34	20 44	0 38	18 47	0 39	4 40	1 44	2 17	14 44	11 37	11 13	17 27	0 40	4 36
M22	20 16	4 8	4 3	13 23	2 4	24 19	1 2	24 51	2 23	21 38	0 34	20 43	0 38	18 46	0 39	4 40	1 44	2 17	14 44	11 38	11 12	17 28	0 40	4 36
T 23	20 28	0 2	3 13	14 3	1 55	24 25	1 5	24 54	2 27	21 36	0 34	20 42	0 38	18 46	0 39	4 39	1 44	2 17	14 45	11 38	11 11	17 28	0 39	4 36
W24	20 40	3n59	2 16	14 43	1 46	24 30	1 7	24 57	2 31	21 34	0 34	20 41	0 39	18 45	0 39	4 39	1 44	2 18	14 45	11 39	11 10	17 29	0 38	4 36
T 25	20 51	7 46	1 14	15 23	1 37	24 35	1 9	25 0	2 35	21 32	0 34	20 40	0 39	18 45	0 39	4 38	1 44	2 18	14 45	11 39	11 8	17 30	0 37	4 36
F 26	21 2	11 12	0 9	16 3	1 28	24 38	1 11	25 3	2 39	21 30	0 34	20 39	0 39	18 44	0 39	4 38	1 44	2 18	14 45	11 39	11 7	17 30	0 37	4 37
S 27	21 12	14 10	0s55	16 44	1 18	24 42	1 13	25 6	2 43	21 28	0 34	20 38	0 39	18 44	0 39	4 38	1 44	2 18	14 45	11 39	11 6	17 31	0 36	4 37
S 28	21 23	16 31	1 57	17 23	1 7	24 44	1 15	25 10	2 47	21 26	0 34	20 37	0 39	18 43	0 39	4 37	1 44	2 19	14 45	11 38	11 5	17 32	0 35	4 37
M29	21 32	18 11	2 54	18 3	0 57	24 46	1 17	25 13	2 51	21 24	0 34	20 35	0 39	18 43	0 39	4 37	1 44	2 19	14 45	11 37	11 4	17 32	0 34	4 37
T 30	21 42	19 4	3 43	18 42	0 46	24 47	1 19	25 17	2 55	21 22	0 34	20 34	0 39	18 42	0 39	4 37	1 44	2 19	14 45	11 35	11 3	17 33	0 34	4 37
W31	21n51	19n 6	4s23	19n20	0s36	24n47	1n20	25s21	2s59	21n20	0n34	20n33	0n39	18n41	0n39	4s37	1n44	2n20	14s45	11s33	11s 2	17n34	0s33	4n37

Julian Day Number = 2313968.5, Delta T = 63.55 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°28'59, Lahiri = 18°36'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

JUNE 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 36 26	9♊58'35	9♋57	0♊47	4♋40	17♑11	27♋17	1♌21	8♌57	15°R43	15♉22	0°R 2	28♎38	0♊ 3	17♓52	T 1
F 2	16 40 23	10°55'59	22° 6	2°53	5°53	17°12	27°28	1°27	9° 0	15♎42	15°23	29♎55	28°35	0°10	17°53	F 2
S 3	16 44 19	11°53'22	4♌25	5° 0	7° 5	17°R12	27°39	1°32	9° 2	15°42	15°24	29°49	28°31	0°17	17°54	S 3
S 4	16 48 16	12°50'44	16°56	7° 9	8°18	17°12	27°50	1°38	9° 4	15°41	15°25	29°44	28°28	0°23	17°55	S 4
M 5	16 52 12	13°48'05	29°42	9°19	9°31	17°11	28° 1	1°44	9° 7	15°40	15°27	29°41	28°25	0°30	17°56	M 5
T 6	16 56 9	14°45'25	12♍47	11°30	10°43	17° 9	28°13	1°50	9° 9	15°39	15°28	29°D40	28°22	0°37	17°57	T 6
W 7	17 0 5	15°42'44	26°13	13°41	11°56	17° 7	28°24	1°56	9°12	15°39	15°29	29°40	28°19	0°43	17°58	W 7
T 8	17 4 2	16°40'02	10♎ 3	15°53	13° 8	17° 4	28°35	2° 3	9°14	15°38	15°30	29°42	28°15	0°50	17°59	T 8
F 9	17 7 59	17°37'19	24°16	18° 5	14°21	17° 0	28°47	2° 9	9°17	15°38	15°31	29°R42	28°12	0°57	17°59	F 9
S 10	17 11 55	18°34'35	8♏53	20°17	15°33	16°55	28°58	2°15	9°20	15°37	15°33	29°42	28° 9	1° 3	18° 0	S 10
S 11	17 15 52	19°31'51	23°49	22°28	16°46	16°50	29°10	2°21	9°22	15°37	15°34	29°40	28° 6	1°10	18° 1	S 11
M12	17 19 48	20°29'05	8♐57	24°39	17°58	16°43	29°21	2°28	9°25	15°36	15°35	29°36	28° 3	1°17	18° 1	M12
T 13	17 23 45	21°26'20	24° 9	26°48	19°10	16°37	29°33	2°34	9°28	15°36	15°36	29°30	28° 0	1°23	18° 2	T 13
W14	17 27 41	22°23'33	9♑14	28°57	20°23	16°29	29°44	2°41	9°31	15°35	15°37	29°22	27°56	1°30	18° 2	W14
T 15	17 31 38	23°20'47	24° 3	1♋ 4	21°35	16°21	29°56	2°47	9°33	15°35	15°38	29°14	27°53	1°37	18° 3	T 15
F 16	17 35 34	24°18'00	8♒27	3°10	22°47	16°12	0♌ 8	2°54	9°36	15°34	15°39	29° 7	27°50	1°43	18° 3	F 16
S 17	17 39 31	25°15'12	22°24	5°13	23°59	16° 2	0°20	3° 0	9°39	15°34	15°41	29° 1	27°47	1°50	18° 3	S 17
S 18	17 43 28	26°12'25	5♓51	7°16	25°11	15°51	0°32	3° 7	9°42	15°34	15°42	28°57	27°44	1°57	18° 3	S 18
M19	17 47 24	27° 9'37	18°50	9°16	26°24	15°40	0°44	3°14	9°45	15°33	15°43	28°55	27°41	2° 3	18° 4	M19
T 20	17 51 21	28° 6'50	1♈25	11°14	27°36	15°29	0°56	3°21	9°48	15°33	15°44	28°D55	27°37	2°10	18° 4	T 20
W21	17 55 17	29° 4'02	13°41	13°10	28°48	15°16	1° 8	3°27	9°51	15°33	15°45	28°55	27°34	2°17	18°R 4	W21
T 22	17 59 14	0♋ 1'15	25°43	15° 5	29°59	15° 3	1°20	3°34	9°54	15°33	15°46	28°R56	27°31	2°23	18° 4	T 22
F 23	18 3 10	0°58'27	7♉35	16°57	1♌12	14°50	1°32	3°41	9°57	15°33	15°47	28°56	27°28	2°30	18° 4	F 23
S 24	18 7 7	1°55'40	19°23	18°47	2°24	14°36	1°45	3°48	10° 0	15°33	15°48	28°53	27°25	2°37	18° 3	S 24
S 25	18 11 3	2°52'52	1♊10	20°35	3°36	14°21	1°57	3°55	10° 3	15°32	15°49	28°49	27°21	2°43	18° 3	S 25
M26	18 15 0	3°50'05	13° 0	22°21	4°47	14° 6	2° 9	4° 2	10° 6	15°32	15°50	28°42	27°18	2°50	18° 3	M26
T 27	18 18 57	4°47'18	24°56	24° 4	5°59	13°51	2°22	4° 9	10°10	15°D32	15°51	28°32	27°15	2°57	18° 3	T 27
W28	18 22 53	5°44'30	6♋59	25°46	7°11	13°35	2°34	4°16	10°13	15°32	15°52	28°21	27°12	3° 3	18° 2	W28
T 29	18 26 50	6°41'43	19°10	27°25	8°23	13°19	2°47	4°23	10°16	15°32	15°53	28° 9	27° 9	3°10	18° 2	T 29
F 30	18 30 46	7♋38'56	1♌31	29♋ 3	9♌34	13♑ 3	2♌59	4♌31	10♌19	15♎32	15♉54	27♎57	27♎ 6	3♊17	18♓ 2	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n59	18n16	4s51	19n57	0s25	24n46	1n22	25s25	3s 4	21n18	0n34	20n32	0n39	18n41	0n39	4s36	1n44	2n20	14s45	11s30	11s 0	17n34	0s32	4n38
F 2	22 8	16 37	5 7	20 33	0 14	24 45	1 24	25 29	3 8	21 16	0 34	20 30	0 39	18 40	0 39	4 36	1 44	2 20	14 45	11 28	10 59	17 35	0 32	4 38
S 3	22 15	14 12	5 9	21 8	0 3	24 43	1 26	25 33	3 12	21 14	0 34	20 29	0 39	18 39	0 39	4 36	1 43	2 20	14 45	11 26	10 58	17 36	0 31	4 38
S 4	22 23	11 5	4 56	21 40	0n 8	24 41	1 27	25 38	3 17	21 12	0 34	20 28	0 39	18 39	0 39	4 36	1 43	2 20	14 46	11 24	10 57	17 36	0 31	4 38
M 5	22 30	7 24	4 28	22 12	0 18	24 37	1 29	25 42	3 21	21 9	0 34	20 27	0 39	18 38	0 39	4 35	1 43	2 21	14 46	11 23	10 56	17 37	0 30	4 39
T 6	22 37	3 17	3 46	22 41	0 29	24 33	1 30	25 47	3 26	21 7	0 34	20 25	0 39	18 37	0 39	4 35	1 43	2 21	14 46	11 23	10 55	17 38	0 30	4 39
W 7	22 43	1s 7	2 51	23 8	0 39	24 28	1 32	25 52	3 30	21 5	0 34	20 24	0 39	18 37	0 39	4 35	1 43	2 21	14 46	11 23	10 54	17 38	0 29	4 39
T 8	22 49	5 35	1 44	23 32	0 48	24 23	1 33	25 56	3 35	21 3	0 34	20 23	0 39	18 36	0 39	4 35	1 43	2 21	14 46	11 23	10 53	17 39	0 29	4 39
F 9	22 55	9 53	0 29	23 54	0 57	24 17	1 34	26 1	3 39	21 0	0 34	20 21	0 39	18 35	0 39	4 35	1 43	2 22	14 46	11 23	10 51	17 39	0 28	4 39
S 10	23 0	13 42	0n49	24 13	1 6	24 10	1 36	26 6	3 44	20 58	0 34	20 20	0 39	18 35	0 39	4 34	1 43	2 22	14 46	11 23	10 50	17 40	0 28	4 40
S 11	23 4	16 43	2 6	24 30	1 14	24 2	1 37	26 12	3 48	20 56	0 34	20 18	0 39	18 34	0 39	4 34	1 43	2 22	14 46	11 23	10 49	17 41	0 27	4 40
M12	23 9	18 37	3 15	24 44	1 21	23 54	1 38	26 17	3 52	20 53	0 34	20 17	0 39	18 33	0 39	4 34	1 43	2 22	14 47	11 21	10 48	17 41	0 27	4 40
T 13	23 13	19 11	4 11	24 55	1 28	23 45	1 39	26 22	3 57	20 51	0 34	20 16	0 39	18 32	0 39	4 34	1 43	2 22	14 47	11 19	10 47	17 42	0 27	4 40
W14	23 16	18 23	4 48	25 3	1 34	23 35	1 40	26 28	4 1	20 48	0 34	20 14	0 39	18 32	0 39	4 34	1 43	2 22	14 47	11 16	10 46	17 43	0 26	4 40
T 15	23 19	16 20	5 5	25 8	1 40	23 25	1 41	26 33	4 6	20 46	0 35	20 13	0 39	18 31	0 39	4 34	1 43	2 23	14 47	11 13	10 45	17 43	0 26	4 41
F 16	23 22	13 19	5 2	25 11	1 44	23 14	1 42	26 39	4 10	20 43	0 35	20 11	0 39	18 30	0 39	4 34	1 43	2 23	14 47	11 11	10 43	17 44	0 26	4 41
S 17	23 24	9 38	4 42	25 11	1 48	23 2	1 43	26 44	4 15	20 41	0 35	20 10	0 39	18 29	0 39	4 33	1 43	2 23	14 47	11 9	10 42	17 44	0 25	4 41
S 18	23 26	5 35	4 6	25 8	1 51	22 50	1 43	26 50	4 19	20 38	0 35	20 8	0 39	18 28	0 39	4 33	1 43	2 23	14 48	11 7	10 41	17 45	0 25	4 41
M19	23 27	1 23	3 18	25 3	1 54	22 37	1 44	26 55	4 23	20 36	0 35	20 7	0 40	18 28	0 38	4 33	1 43	2 23	14 48	11 7	10 40	17 46	0 25	4 41
T 20	23 28	2n44	2 22	24 55	1 55	22 23	1 44	27 1	4 28	20 33	0 35	20 5	0 40	18 27	0 38	4 33	1 43	2 23	14 48	11 6	10 39	17 46	0 24	4 42
W21	23 29	6 39	1 21	24 46	1 56	22 9	1 45	27 7	4 32	20 31	0 35	20 4	0 40	18 26	0 38	4 33	1 43	2 23	14 48	11 7	10 38	17 47	0 24	4 42
T 22	23 29	10 13	0 17	24 34	1 57	21 54	1 45	27 12	4 36	20 28	0 35	20 2	0 40	18 25	0 38	4 33	1 43	2 23	14 48	11 7	10 37	17 47	0 24	4 42
F 23	23 29	13 20	0s46	24 20	1 56	21 39	1 46	27 18	4 40	20 25	0 35	20 1	0 40	18 24	0 38	4 33	1 43	2 23	14 48	11 7	10 35	17 48	0 24	4 42
S 24	23 28	15 53	1 47	24 4	1 55	21 23	1 46	27 24	4 44	20 23	0 35	19 59	0 40	18 23	0 38	4 33	1 42	2 24	14 49	11 6	10 34	17 48	0 24	4 42
S 25	23 27	17 46	2 43	23 46	1 53	21 6	1 46	27 29	4 48	20 20	0 35	19 57	0 40	18 23	0 38	4 33	1 42	2 24	14 49	11 4	10 33	17 49	0 24	4 43
M26	23 26	18 53	3 32	23 27	1 51	20 49	1 46	27 35	4 52	20 17	0 35	19 56	0 40	18 22	0 38	4 33	1 42	2 24	14 49	11 2	10 32	17 50	0 24	4 43
T 27	23 24	19 11	4 12	23 6	1 48	20 31	1 46	27 40	4 56	20 14	0 35	19 54	0 40	18 21	0 38	4 33	1 42	2 24	14 49	10 59	10 31	17 50	0 24	4 43
W28	23 22	18 37	4 42	22 44	1 44	20 13	1 46	27 45	5 0	20 12	0 35	19 52	0 40	18 20	0 38	4 33	1 42	2 24	14 49	10 55	10 30	17 51	0 23	4 43
T 29	23 19	17 11	4 58	22 21	1 40	19 54	1 46	27 51	5 3	20 9	0 35	19 51	0 40	18 19	0 38	4 33	1 42	2 24	14 50	10 50	10 29	17 51	0 23	4 43
F 30	23n16	14n58	5s 2	21n56	1n35	19n35	1n46	27s56	5s 7	20n 6	0n35	19n49	0n40	18n18	0n38	4s34	1n42	2n24	14s50	10s46	10s27	17n52	0s23	4n44

Julian Day Number = 2313999.5, Delta T = 63.47 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'03, Lahiri = 18°36'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

JULY 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 34 43	8♋36'08	14♘ 2	0♘38	10♘46	12°R46	3♘12	4♘38	10♘23	15♎33	15♉54	27°R46	27♎ 2	3♊23	18°R 1	S 1
S 2	18 38 39	9°33'20	26°44	2°11	11°58	12♑29	3°24	4°45	10°26	15°33	15°55	27♎38	26°59	3°30	18♓ 1	S 2
M 3	18 42 36	10°30'33	9♍39	3°41	13° 9	12°12	3°37	4°52	10°29	15°33	15°56	27°32	26°56	3°37	18° 0	M 3
T 4	18 46 32	11°27'45	22°48	5°10	14°21	11°54	3°50	5° 0	10°33	15°33	15°57	27°28	26°53	3°43	17°59	T 4
W 5	18 50 29	12°24'57	6♎13	6°36	15°32	11°37	4° 2	5° 7	10°36	15°33	15°58	27°27	26°50	3°50	17°58	W 5
T 6	18 54 26	13°22'09	19°55	8° 0	16°44	11°19	4°15	5°14	10°39	15°34	15°59	27°27	26°46	3°57	17°58	T 6
F 7	18 58 22	14°19'21	3♏58	9°22	17°55	11° 2	4°28	5°22	10°43	15°34	15°59	27°27	26°43	4° 3	17°57	F 7
S 8	19 2 19	15°16'33	18°19	10°42	19° 6	10°45	4°41	5°29	10°46	15°34	16° 0	27°26	26°40	4°10	17°56	S 8
S 9	19 6 15	16°13'45	2♐57	11°59	20°18	10°28	4°53	5°36	10°50	15°35	16° 1	27°22	26°37	4°17	17°55	S 9
M10	19 10 12	17°10'57	17°48	13°14	21°29	10°10	5° 6	5°44	10°53	15°35	16° 2	27°16	26°34	4°23	17°54	M10
T 11	19 14 8	18° 8'09	2♑45	14°26	22°40	9°53	5°19	5°51	10°57	15°35	16° 2	27° 8	26°31	4°30	17°53	T 11
W12	19 18 5	19° 5'22	17°39	15°36	23°51	9°37	5°32	5°59	11° 0	15°36	16° 3	26°57	26°27	4°37	17°52	W12
T 13	19 22 1	20° 2'35	2♒21	16°43	25° 2	9°20	5°45	6° 6	11° 4	15°36	16° 4	26°46	26°24	4°43	17°51	T 13
F 14	19 25 58	20°59'48	16°42	17°47	26°13	9° 4	5°58	6°14	11° 7	15°37	16° 5	26°36	26°21	4°50	17°50	F 14
S 15	19 29 55	21°57'03	0♓39	18°49	27°24	8°49	6°11	6°21	11°11	15°37	16° 5	26°27	26°18	4°57	17°48	S 15
S 16	19 33 51	22°54'17	14° 8	19°48	28°35	8°33	6°24	6°29	11°14	15°38	16° 6	26°20	26°15	5° 3	17°47	S 16
M17	19 37 48	23°51'33	27°10	20°43	29°46	8°18	6°37	6°37	11°18	15°39	16° 7	26°16	26°12	5°10	17°46	M17
T 18	19 41 44	24°48'49	9♈47	21°36	0♍56	8° 4	6°50	6°44	11°21	15°39	16° 7	26°15	26° 8	5°17	17°44	T 18
W19	19 45 41	25°46'07	22° 5	22°25	2° 7	7°50	7° 3	6°52	11°25	15°40	16° 8	26°14	26° 5	5°23	17°43	W19
T 20	19 49 37	26°43'25	4♉ 7	23°11	3°18	7°36	7°16	7° 0	11°29	15°41	16° 8	26°14	26° 2	5°30	17°41	T 20
F 21	19 53 34	27°40'44	16° 0	23°54	4°28	7°23	7°29	7° 7	11°32	15°41	16° 9	26°13	25°59	5°37	17°40	F 21
S 22	19 57 30	28°38'04	27°49	24°32	5°39	7°11	7°42	7°15	11°36	15°42	16° 9	26°11	25°56	5°44	17°38	S 22
S 23	20 1 27	29°35'26	9♊38	25° 7	6°49	6°59	7°55	7°22	11°40	15°43	16°10	26° 6	25°52	5°50	17°37	S 23
M24	20 5 24	0♘32'48	21°32	25°38	7°59	6°48	8° 9	7°30	11°43	15°44	16°10	25°58	25°49	5°57	17°35	M24
T 25	20 9 20	1°30'11	3♋34	26° 5	9°10	6°38	8°22	7°38	11°47	15°45	16°11	25°48	25°46	6° 4	17°33	T 25
W26	20 13 17	2°27'35	15°47	26°27	10°20	6°29	8°35	7°46	11°51	15°46	16°11	25°36	25°43	6°10	17°32	W26
T 27	20 17 13	3°25'00	28°11	26°44	11°30	6°20	8°48	7°53	11°54	15°46	16°12	25°23	25°40	6°17	17°30	T 27
F 28	20 21 10	4°22'26	10♘47	26°57	12°40	6°12	9° 1	8° 1	11°58	15°47	16°12	25°10	25°37	6°24	17°28	F 28
S 29	20 25 6	5°19'53	23°36	27° 5	13°50	6° 4	9°14	8° 9	12° 2	15°48	16°12	24°58	25°33	6°30	17°26	S 29
S 30	20 29 3	6°17'21	6♍36	27°R 8	15° 0	5°58	9°28	8°16	12° 5	15°49	16°13	24°49	25°30	6°37	17°24	S 30
M31	20 32 59	7♘14'49	19♍48	27♘ 6	16♍10	5♑52	9♘41	8♘24	12♘ 9	15♎50	16♉13	24♎42	25♎27	6♊44	17♓22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n12	12n 1	4s50	21n31	1n29	19n15	1n45	28s 1	5s10	20n 3	0n35	19n47	0n40	18n17	0n38	4s34	1n42	2n24	14s50	10s42	10s26	17n52	0s23	4n44
S 2	23 8	8 29	4 25	21 4	1 23	18 55	1 45	28 6	5 13	20 0	0 35	19 46	0 40	18 16	0 38	4 34	1 42	2 24	14 50	10 39	10 25	17 53	0 23	4 44
M 3	23 4	4 30	3 45	20 37	1 17	18 34	1 44	28 10	5 16	19 57	0 35	19 44	0 40	18 15	0 38	4 34	1 42	2 24	14 50	10 37	10 24	17 54	0 24	4 44
T 4	22 59	0 13	2 53	20 9	1 10	18 13	1 44	28 15	5 19	19 54	0 35	19 42	0 40	18 15	0 38	4 34	1 42	2 24	14 51	10 36	10 23	17 54	0 24	4 44
W 5	22 54	4s 9	1 50	19 40	1 2	17 51	1 43	28 19	5 22	19 51	0 35	19 41	0 40	18 14	0 38	4 34	1 42	2 24	14 51	10 35	10 22	17 55	0 24	4 45
T 6	22 49	8 25	0 40	19 11	0 55	17 29	1 42	28 24	5 25	19 48	0 35	19 39	0 40	18 13	0 38	4 34	1 42	2 24	14 51	10 35	10 21	17 55	0 24	4 45
F 7	22 43	12 19	0n34	18 41	0 46	17 6	1 42	28 28	5 27	19 45	0 35	19 37	0 40	18 12	0 38	4 34	1 42	2 24	14 51	10 35	10 19	17 56	0 24	4 45
S 8	22 37	15 35	1 48	18 11	0 37	16 43	1 41	28 32	5 30	19 42	0 35	19 35	0 41	18 11	0 38	4 35	1 42	2 24	14 52	10 35	10 18	17 56	0 24	4 45
S 9	22 30	17 55	2 56	17 41	0 28	16 20	1 40	28 35	5 32	19 39	0 35	19 34	0 41	18 10	0 38	4 35	1 42	2 24	14 52	10 34	10 17	17 57	0 24	4 45
M10	22 23	19 3	3 53	17 11	0 18	15 56	1 39	28 39	5 34	19 36	0 36	19 32	0 41	18 9	0 38	4 35	1 42	2 24	14 52	10 31	10 16	17 57	0 25	4 46
T 11	22 15	18 53	4 34	16 40	0 8	15 31	1 37	28 42	5 36	19 33	0 36	19 30	0 41	18 8	0 38	4 35	1 42	2 24	14 52	10 28	10 15	17 58	0 25	4 46
W12	22 7	17 25	4 57	16 10	0s 2	15 7	1 36	28 45	5 38	19 30	0 36	19 28	0 41	18 7	0 38	4 35	1 42	2 24	14 53	10 25	10 14	17 58	0 25	4 46
T 13	21 59	14 49	5 0	15 39	0 13	14 41	1 35	28 48	5 39	19 27	0 36	19 26	0 41	18 6	0 38	4 36	1 41	2 24	14 53	10 21	10 12	17 59	0 25	4 46
F 14	21 51	11 22	4 43	15 9	0 24	14 16	1 33	28 50	5 41	19 24	0 36	19 25	0 41	18 5	0 38	4 36	1 41	2 24	14 53	10 17	10 11	17 59	0 26	4 46
S 15	21 42	7 22	4 10	14 39	0 35	13 50	1 32	28 53	5 42	19 21	0 36	19 23	0 41	18 4	0 38	4 36	1 41	2 24	14 53	10 13	10 10	18 0	0 26	4 46
S 16	21 32	3 8	3 23	14 10	0 47	13 24	1 30	28 55	5 43	19 17	0 36	19 21	0 41	18 3	0 38	4 36	1 41	2 24	14 54	10 11	10 9	18 0	0 26	4 47
M17	21 22	1n 8	2 27	13 41	0 59	12 58	1 29	28 57	5 44	19 14	0 36	19 19	0 41	18 2	0 38	4 37	1 41	2 24	14 54	10 10	10 8	18 1	0 27	4 47
T 18	21 12	5 12	1 26	13 13	1 11	12 31	1 27	28 59	5 45	19 11	0 36	19 17	0 41	18 1	0 38	4 37	1 41	2 23	14 54	10 9	10 7	18 1	0 27	4 47
W19	21 2	8 57	0 22	12 45	1 23	12 4	1 25	29 0	5 46	19 8	0 36	19 15	0 41	18 0	0 38	4 37	1 41	2 23	14 54	10 9	10 6	18 2	0 27	4 47
T 20	20 51	12 16	0s42	12 18	1 36	11 36	1 23	29 2	5 46	19 4	0 36	19 14	0 41	17 59	0 38	4 38	1 41	2 23	14 55	10 9	10 4	18 2	0 28	4 47
F 21	20 40	15 1	1 43	11 53	1 48	11 9	1 21	29 3	5 47	19 1	0 36	19 12	0 41	17 58	0 38	4 38	1 41	2 23	14 55	10 9	10 3	18 3	0 28	4 47
S 22	20 28	17 8	2 39	11 28	2 1	10 41	1 19	29 4	5 47	18 58	0 36	19 10	0 41	17 57	0 38	4 38	1 41	2 23	14 55	10 8	10 2	18 3	0 29	4 48
S 23	20 17	18 30	3 28	11 4	2 14	10 13	1 17	29 4	5 47	18 54	0 36	19 8	0 42	17 56	0 38	4 39	1 41	2 23	14 55	10 6	10 1	18 4	0 29	4 48
M24	20 4	19 5	4 9	10 42	2 27	9 44	1 14	29 5	5 47	18 51	0 36	19 6	0 42	17 55	0 38	4 39	1 41	2 23	14 56	10 3	10 0	18 4	0 30	4 48
T 25	19 52	18 48	4 38	10 21	2 40	9 16	1 12	29 5	5 47	18 48	0 36	19 4	0 42	17 54	0 38	4 39	1 41	2 23	14 56	9 59	9 59	18 5	0 30	4 48
W26	19 39	17 39	4 56	10 1	2 53	8 47	1 9	29 5	5 46	18 44	0 37	19 2	0 42	17 53	0 38	4 40	1 41	2 23	14 56	9 55	9 57	18 5	0 31	4 48
T 27	19 26	15 40	5 0	9 43	3 5	8 18	1 7	29 5	5 46	18 41	0 37	19 0	0 42	17 52	0 38	4 40	1 41	2 22	14 57	9 50	9 56	18 6	0 32	4 48
F 28	19 12	12 55	4 50	9 27	3 18	7 48	1 4	29 5	5 45	18 38	0 37	18 58	0 42	17 51	0 38	4 41	1 41	2 22	14 57	9 45	9 55	18 6	0 32	4 48
S 29	18 58	9 31	4 24	9 13	3 30	7 19	1 2	29 5	5 44	18 34	0 37	18 56	0 42	17 50	0 38	4 41	1 41	2 22	14 57	9 41	9 54	18 7	0 33	4 49
S 30	18 44	5 37	3 45	9 1	3 41	6 49	0 59	29 4	5 44	18 31	0 37	18 55	0 42	17 49	0 38	4 41	1 41	2 22	14 57	9 38	9 53	18 7	0 33	4 49
M31	18n30	1n24	2s53	8n52	3s52	6n20	0n56	29s 4	5s43	18n27	0n37	18n53	0n42	17n48	0n38	4s42	1n41	2n22	14s58	9s35	9s52	18n 7	0s34	4n49

Julian Day Number = 2314029.5, Delta T = 63.40 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'07, Lahiri = 18°36'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

AUGUST 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 36 56	8♌12'18	3♎11	26°R58	17♍20	5°R47	9♌54	8♌32	12♌13	15♎52	16♉14	24°R38	25♎24	6♊50	17°R20	T 1
W 2	20 40 53	9° 9'48	16°45	26♌45	18°30	5♑43	10° 7	8°40	12°17	15°53	16°14	24♎37	25°21	6°57	17♓18	W 2
T 3	20 44 49	10° 7'19	0♏31	26°27	19°39	5°40	10°20	8°47	12°20	15°54	16°14	24°D37	25°18	7° 4	17°16	T 3
F 4	20 48 46	11° 4'51	14°29	26° 3	20°49	5°37	10°34	8°55	12°24	15°55	16°14	24°R37	25°14	7°10	17°14	F 4
S 5	20 52 42	12° 2'23	28°39	25°34	21°58	5°36	10°47	9° 3	12°28	15°56	16°15	24°36	25°11	7°17	17°12	S 5
S 6	20 56 39	12°59'57	13♐ 0	25° 1	23° 8	5°D35	11° 0	9°10	12°31	15°57	16°15	24°33	25° 8	7°24	17° 9	S 6
M 7	21 0 35	13°57'31	27°30	24°23	24°17	5°35	11°13	9°18	12°35	15°59	16°15	24°28	25° 5	7°30	17° 7	M 7
T 8	21 4 32	14°55'07	12♑ 3	23°41	25°26	5°36	11°26	9°26	12°39	16° 0	16°15	24°20	25° 2	7°37	17° 5	T 8
W 9	21 8 28	15°52'43	26°33	22°56	26°35	5°38	11°39	9°34	12°43	16° 1	16°15	24°10	24°58	7°44	17° 3	W 9
T 10	21 12 25	16°50'20	10♒55	22° 8	27°44	5°41	11°53	9°41	12°46	16° 2	16°16	24° 0	24°55	7°50	17° 0	T 10
F 11	21 16 22	17°47'59	25° 1	21°18	28°53	5°44	12° 6	9°49	12°50	16° 4	16°16	23°50	24°52	7°57	16°58	F 11
S 12	21 20 18	18°45'39	8♓47	20°27	0♎ 2	5°48	12°19	9°57	12°54	16° 5	16°16	23°42	24°49	8° 4	16°55	S 12
S 13	21 24 15	19°43'20	22°10	19°35	1°10	5°54	12°32	10° 4	12°57	16° 7	16°16	23°35	24°46	8°10	16°53	S 13
M14	21 28 11	20°41'03	5♈ 9	18°45	2°19	5°59	12°45	10°12	13° 1	16° 8	16°16	23°32	24°43	8°17	16°51	M14
T 15	21 32 8	21°38'48	17°46	17°57	3°27	6° 6	12°58	10°20	13° 5	16° 9	16°16	23°D30	24°39	8°24	16°48	T 15
W16	21 36 4	22°36'34	0♉ 4	17°12	4°36	6°13	13°11	10°27	13° 9	16°11	16°R16	23°30	24°36	8°30	16°46	W16
T 17	21 40 1	23°34'22	12° 8	16°30	5°44	6°22	13°24	10°35	13°12	16°12	16°16	23°31	24°33	8°37	16°43	T 17
F 18	21 43 57	24°32'11	24° 2	15°54	6°52	6°31	13°38	10°42	13°16	16°14	16°16	23°R31	24°30	8°44	16°40	F 18
S 19	21 47 54	25°30'03	5♊53	15°23	8° 0	6°40	13°51	10°50	13°20	16°15	16°16	23°31	24°27	8°51	16°38	S 19
S 20	21 51 51	26°27'56	17°44	14°59	9° 8	6°51	14° 4	10°57	13°23	16°17	16°16	23°28	24°24	8°57	16°35	S 20
M21	21 55 47	27°25'51	29°41	14°41	10°16	7° 2	14°17	11° 5	13°27	16°19	16°16	23°23	24°20	9° 4	16°33	M21
T 22	21 59 44	28°23'48	11♋48	14°31	11°24	7°14	14°30	11°13	13°31	16°20	16°16	23°17	24°17	9°11	16°30	T 22
W23	22 3 40	29°21'46	24° 9	14°D29	12°31	7°27	14°43	11°20	13°34	16°22	16°16	23° 8	24°14	9°17	16°27	W23
T 24	22 7 37	0♍19'46	6♌44	14°36	13°39	7°40	14°56	11°27	13°38	16°24	16°15	22°59	24°11	9°24	16°25	T 24
F 25	22 11 33	1°17'48	19°36	14°50	14°46	7°54	15° 8	11°35	13°41	16°25	16°15	22°50	24° 8	9°31	16°22	F 25
S 26	22 15 30	2°15'52	2♍44	15°13	15°53	8° 9	15°21	11°42	13°45	16°27	16°15	22°41	24° 4	9°37	16°19	S 26
S 27	22 19 26	3°13'57	16° 6	15°44	17° 0	8°25	15°34	11°50	13°49	16°29	16°15	22°35	24° 1	9°44	16°16	S 27
M28	22 23 23	4°12'04	29°41	16°23	18° 7	8°41	15°47	11°57	13°52	16°30	16°15	22°30	23°58	9°51	16°14	M28
T 29	22 27 20	5°10'12	13♎27	17° 9	19°14	8°58	16° 0	12° 4	13°56	16°32	16°14	22°28	23°55	9°57	16°11	T 29
W30	22 31 16	6° 8'22	27°20	18° 4	20°21	9°15	16°13	12°12	13°59	16°34	16°14	22°D28	23°52	10° 4	16° 8	W30
T 31	22 35 13	7♍ 6'33	11♏21	19♌ 6	21♎27	9♑33	16♌25	12♌19	14♌ 3	16♎36	16♉14	22♎29	23♎49	10♊11	16♓ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n15	2s58	1s51	8n44	4s 3	5n50	0n53	29s 3	5s42	18n24	0n37	18n51	0n42	17n47	0n38	4s42	1n41	2n22	14s58	9s34	9s51	18n 8	0s35	4n49
W 2	18 0	7 14	0 42	8 40	4 13	5 20	0 50	29 2	5 40	18 20	0 37	18 49	0 42	17 46	0 38	4 43	1 40	2 21	14 58	9 33	9 49	18 8	0 35	4 49
T 3	17 45	11 11	0n31	8 37	4 21	4 49	0 47	29 1	5 39	18 17	0 37	18 47	0 42	17 45	0 38	4 43	1 40	2 21	14 58	9 33	9 48	18 9	0 36	4 49
F 4	17 29	14 34	1 43	8 38	4 29	4 19	0 44	28 59	5 38	18 13	0 37	18 45	0 42	17 44	0 38	4 44	1 40	2 21	14 59	9 33	9 47	18 9	0 37	4 49
S 5	17 13	17 8	2 50	8 41	4 36	3 49	0 40	28 58	5 36	18 10	0 37	18 43	0 43	17 42	0 38	4 44	1 40	2 21	14 59	9 33	9 46	18 10	0 38	4 49
S 6	16 57	18 39	3 47	8 47	4 41	3 18	0 37	28 57	5 35	18 6	0 37	18 41	0 43	17 41	0 38	4 45	1 40	2 21	14 59	9 32	9 45	18 10	0 38	4 49
M 7	16 40	18 58	4 30	8 56	4 45	2 48	0 34	28 55	5 33	18 3	0 37	18 39	0 43	17 40	0 38	4 45	1 40	2 20	15 0	9 30	9 44	18 10	0 39	4 50
T 8	16 23	18 2	4 56	9 8	4 47	2 17	0 30	28 53	5 31	17 59	0 37	18 37	0 43	17 39	0 38	4 46	1 40	2 20	15 0	9 27	9 42	18 11	0 40	4 50
W 9	16 6	15 56	5 2	9 22	4 48	1 46	0 27	28 51	5 30	17 55	0 38	18 35	0 43	17 38	0 38	4 46	1 40	2 20	15 0	9 23	9 41	18 11	0 41	4 50
T 10	15 49	12 53	4 50	9 38	4 47	1 15	0 23	28 49	5 28	17 52	0 38	18 33	0 43	17 37	0 38	4 47	1 40	2 20	15 0	9 20	9 40	18 12	0 42	4 50
F 11	15 32	9 8	4 19	9 57	4 44	0 45	0 19	28 47	5 26	17 48	0 38	18 31	0 43	17 36	0 38	4 47	1 40	2 19	15 1	9 16	9 39	18 12	0 42	4 50
S 12	15 14	4 58	3 35	10 18	4 39	0 14	0 16	28 45	5 24	17 45	0 38	18 29	0 43	17 35	0 38	4 48	1 40	2 19	15 1	9 13	9 38	18 13	0 43	4 50
S 13	14 56	0 41	2 39	10 40	4 32	0s17	0 12	28 43	5 22	17 41	0 38	18 27	0 43	17 34	0 38	4 49	1 40	2 19	15 1	9 11	9 37	18 13	0 44	4 50
M14	14 38	3n31	1 36	11 4	4 23	0 48	0 8	28 41	5 20	17 37	0 38	18 25	0 43	17 33	0 38	4 49	1 40	2 19	15 2	9 9	9 35	18 13	0 45	4 50
T 15	14 19	7 27	0 31	11 28	4 13	1 19	0 4	28 38	5 18	17 34	0 38	18 23	0 43	17 32	0 38	4 50	1 40	2 18	15 2	9 9	9 34	18 14	0 46	4 50
W16	14 0	10 58	0s35	11 53	4 0	1 50	0 0	28 36	5 16	17 30	0 38	18 21	0 44	17 31	0 38	4 50	1 40	2 18	15 2	9 9	9 33	18 14	0 47	4 50
T 17	13 41	13 57	1 38	12 19	3 47	2 21	0s 4	28 33	5 13	17 26	0 38	18 19	0 44	17 30	0 38	4 51	1 40	2 18	15 2	9 9	9 32	18 15	0 48	4 50
F 18	13 22	16 18	2 36	12 44	3 32	2 51	0 8	28 30	5 11	17 23	0 38	18 17	0 44	17 29	0 38	4 52	1 40	2 18	15 3	9 9	9 31	18 15	0 49	4 50
S 19	13 3	17 56	3 27	13 8	3 16	3 22	0 12	28 27	5 9	17 19	0 38	18 15	0 44	17 28	0 38	4 52	1 40	2 17	15 3	9 9	9 30	18 15	0 50	4 50
S 20	12 43	18 47	4 9	13 31	2 59	3 53	0 17	28 24	5 6	17 15	0 39	18 13	0 44	17 27	0 38	4 53	1 40	2 17	15 3	9 8	9 28	18 16	0 51	4 50
M21	12 23	18 49	4 40	13 53	2 41	4 24	0 21	28 21	5 4	17 12	0 39	18 11	0 44	17 26	0 38	4 54	1 40	2 17	15 4	9 6	9 27	18 16	0 52	4 50
T 22	12 3	17 59	5 0	14 13	2 23	4 54	0 25	28 18	5 2	17 8	0 39	18 9	0 44	17 25	0 38	4 54	1 40	2 16	15 4	9 4	9 26	18 16	0 53	4 50
W23	11 43	16 18	5 6	14 31	2 5	5 25	0 30	28 15	4 59	17 4	0 39	18 7	0 44	17 24	0 38	4 55	1 40	2 16	15 4	9 1	9 25	18 17	0 54	4 50
T 24	11 23	13 49	4 57	14 47	1 47	5 55	0 34	28 12	4 57	17 1	0 39	18 5	0 44	17 23	0 38	4 56	1 40	2 16	15 4	8 57	9 24	18 17	0 55	4 50
F 25	11 2	10 38	4 34	15 1	1 28	6 25	0 38	28 9	4 54	16 57	0 39	18 3	0 44	17 22	0 38	4 56	1 40	2 15	15 5	8 54	9 23	18 18	0 56	4 50
S 26	10 41	6 52	3 55	15 11	1 10	6 55	0 43	28 5	4 52	16 53	0 39	18 1	0 45	17 21	0 38	4 57	1 40	2 15	15 5	8 51	9 21	18 18	0 57	4 51
S 27	10 20	2 41	3 3	15 19	0 53	7 26	0 48	28 2	4 49	16 49	0 39	17 59	0 45	17 20	0 38	4 58	1 39	2 15	15 5	8 48	9 20	18 18	0 58	4 51
M28	9 59	1s42	2 0	15 24	0 36	7 55	0 52	27 58	4 47	16 46	0 39	17 57	0 45	17 19	0 38	4 58	1 39	2 15	15 6	8 46	9 19	18 19	0 59	4 51
T 29	9 38	6 4	0 49	15 25	0 19	8 25	0 57	27 54	4 44	16 42	0 40	17 56	0 45	17 18	0 38	4 59	1 39	2 14	15 6	8 46	9 18	18 19	1 0	4 50
W30	9 17	10 8	0n26	15 23	0 4	8 55	1 1	27 51	4 41	16 38	0 40	17 54	0 45	17 17	0 38	5 0	1 39	2 14	15 6	8 46	9 17	18 19	1 1	4 50
T 31	8n55	13s40	1n40	15n18	0n11	9s24	1s 6	27s47	4s39	16n35	0n40	17n52	0n45	17n16	0n38	5s 0	1n39	2n14	15s 6	8s46	9s15	18n20	1s 2	4n50

Julian Day Number = 2314060.5, Delta T = 63.33 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'12, Lahiri = 18°36'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

SEPTEMBER 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 39 9	8♍ 4'46	25♏26	20♌14	22♎34	9♑52	16♌38	12♌26	14♌ 6	16♎38	16°R13	22♎30	23♎45	10♊17	16°R 2	F 1
S 2	22 43 6	9° 3'00	9♐35	21°29	23°40	10°11	16°51	12°33	14°10	16°39	16♉13	22°R31	23°42	10°24	16♓ 0	S 2
S 3	22 47 2	10° 1'16	23°47	22°50	24°46	10°31	17° 3	12°41	14°13	16°41	16°13	22°30	23°39	10°31	15°57	S 3
M 4	22 50 59	10°59'34	7♑58	24°16	25°52	10°52	17°16	12°48	14°17	16°43	16°12	22°27	23°36	10°38	15°54	M 4
T 5	22 54 55	11°57'53	22° 8	25°47	26°57	11°13	17°29	12°55	14°20	16°45	16°12	22°23	23°33	10°44	15°51	T 5
W 6	22 58 52	12°56'13	6♒11	27°22	28° 3	11°34	17°41	13° 2	14°23	16°47	16°12	22°17	23°29	10°51	15°48	W 6
T 7	23 2 49	13°54'35	20° 6	29° 1	29° 8	11°57	17°54	13° 9	14°27	16°49	16°11	22°11	23°26	10°58	15°45	T 7
F 8	23 6 45	14°52'59	3♓47	0♍42	0♏13	12°19	18° 6	13°16	14°30	16°51	16°11	22° 5	23°23	11° 4	15°43	F 8
S 9	23 10 42	15°51'25	17°12	2°27	1°18	12°42	18°18	13°23	14°33	16°53	16°10	22° 0	23°20	11°11	15°40	S 9
S 10	23 14 38	16°49'52	0♈20	4°14	2°23	13° 6	18°31	13°30	14°37	16°55	16°10	21°56	23°17	11°18	15°37	S 10
M11	23 18 35	17°48'21	13° 9	6° 2	3°27	13°30	18°43	13°37	14°40	16°57	16° 9	21°55	23°14	11°24	15°34	M11
T 12	23 22 31	18°46'53	25°40	7°52	4°31	13°55	18°55	13°43	14°43	16°59	16° 9	21°D54	23°10	11°31	15°31	T 12
W13	23 26 28	19°45'27	7♉56	9°42	5°36	14°20	19° 7	13°50	14°46	17° 1	16° 8	21°55	23° 7	11°38	15°28	W13
T 14	23 30 24	20°44'02	19°59	11°34	6°39	14°46	19°20	13°57	14°50	17° 3	16° 8	21°57	23° 4	11°44	15°25	T 14
F 15	23 34 21	21°42'40	1♊54	13°25	7°43	15°12	19°32	14° 4	14°53	17° 5	16° 7	21°59	23° 1	11°51	15°23	F 15
S 16	23 38 17	22°41'21	13°45	15°17	8°46	15°38	19°44	14°10	14°56	17° 7	16° 7	22° 0	22°58	11°58	15°20	S 16
S 17	23 42 14	23°40'03	25°37	17° 9	9°49	16° 5	19°56	14°17	14°59	17° 9	16° 6	22°R 0	22°55	12° 4	15°17	S 17
M18	23 46 11	24°38'48	7♋35	19° 0	10°52	16°32	20° 8	14°23	15° 2	17°11	16° 5	21°59	22°51	12°11	15°14	M18
T 19	23 50 7	25°37'35	19°44	20°51	11°55	17° 0	20°20	14°30	15° 5	17°13	16° 5	21°57	22°48	12°18	15°11	T 19
W20	23 54 4	26°36'24	2♌ 7	22°42	12°57	17°28	20°31	14°36	15° 8	17°15	16° 4	21°54	22°45	12°25	15° 9	W20
T 21	23 58 0	27°35'15	14°48	24°32	13°59	17°56	20°43	14°43	15°11	17°18	16° 3	21°51	22°42	12°31	15° 6	T 21
F 22	0 1 57	28°34'09	27°49	26°21	15° 1	18°25	20°55	14°49	15°14	17°20	16° 3	21°47	22°39	12°38	15° 3	F 22
S 23	0 5 53	29°33'05	11♍11	28° 9	16° 3	18°55	21° 6	14°55	15°17	17°22	16° 2	21°44	22°35	12°45	15° 0	S 23
S 24	0 9 50	0♎32'02	24°53	29°57	17° 4	19°24	21°18	15° 1	15°20	17°24	16° 1	21°41	22°32	12°51	14°58	S 24
M25	0 13 46	1°31'02	8♎52	1♎44	18° 5	19°54	21°29	15° 8	15°23	17°26	16° 0	21°40	22°29	12°58	14°55	M25
T 26	0 17 43	2°30'04	23° 4	3°30	19° 6	20°25	21°41	15°14	15°26	17°28	16° 0	21°D39	22°26	13° 5	14°52	T 26
W27	0 21 40	3°29'08	7♏25	5°15	20° 6	20°55	21°52	15°20	15°29	17°31	15°59	21°40	22°23	13°11	14°50	W27
T 28	0 25 36	4°28'14	21°50	7° 0	21° 6	21°26	22° 4	15°26	15°31	17°33	15°58	21°41	22°20	13°18	14°47	T 28
F 29	0 29 33	5°27'21	6♐14	8°43	22° 5	21°58	22°15	15°32	15°34	17°35	15°57	21°42	22°16	13°25	14°44	F 29
S 30	0 33 29	6♎26'31	20♐34	10♎26	23♏ 5	22♑29	22♌26	15♌37	15♌37	17♎37	15♉56	21♎43	22♎13	13♊31	14♓42	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n33	16s25	2n49	15n10	0n25	9s53	1s11	27s43	4s36	16n31	0n40	17n50	0n45	17n15	0n38	5s 1	1n39	2n13	15s 7	8s46	9s14	18n20	1s 3	4n50
S 2	8 12	18 11	3 47	14 58	0 38	10 22	1 16	27 38	4 34	16 27	0 40	17 48	0 45	17 14	0 39	5 2	1 39	2 13	15 7	8 47	9 13	18 20	1 4	4 50
S 3	7 50	18 49	4 32	14 43	0 49	10 51	1 20	27 34	4 31	16 23	0 40	17 46	0 46	17 13	0 39	5 3	1 39	2 13	15 7	8 46	9 12	18 21	1 5	4 50
M 4	7 27	18 15	5 0	14 24	1 0	11 20	1 25	27 30	4 28	16 20	0 40	17 44	0 46	17 12	0 39	5 3	1 39	2 12	15 7	8 45	9 11	18 21	1 7	4 50
T 5	7 5	16 34	5 10	14 3	1 10	11 48	1 30	27 26	4 26	16 16	0 40	17 42	0 46	17 11	0 39	5 4	1 39	2 12	15 8	8 44	9 10	18 21	1 8	4 50
W 6	6 43	13 54	5 1	13 38	1 18	12 17	1 35	27 21	4 23	16 12	0 40	17 40	0 46	17 10	0 39	5 5	1 39	2 11	15 8	8 42	9 8	18 22	1 9	4 50
T 7	6 20	10 28	4 34	13 11	1 26	12 44	1 40	27 16	4 21	16 9	0 41	17 38	0 46	17 9	0 39	5 6	1 39	2 11	15 8	8 39	9 7	18 22	1 10	4 50
F 8	5 58	6 32	3 52	12 41	1 32	13 12	1 45	27 12	4 18	16 5	0 41	17 36	0 46	17 8	0 39	5 6	1 39	2 11	15 8	8 37	9 6	18 22	1 11	4 50
S 9	5 35	2 20	2 58	12 8	1 37	13 40	1 49	27 7	4 15	16 1	0 41	17 35	0 46	17 7	0 39	5 7	1 39	2 10	15 9	8 35	9 5	18 23	1 12	4 50
S 10	5 13	1n53	1 55	11 33	1 42	14 7	1 54	27 2	4 13	15 57	0 41	17 33	0 46	17 6	0 39	5 8	1 39	2 10	15 9	8 34	9 4	18 23	1 14	4 50
M11	4 50	5 56	0 48	10 57	1 45	14 34	1 59	26 57	4 10	15 54	0 41	17 31	0 46	17 5	0 39	5 9	1 39	2 10	15 9	8 33	9 3	18 23	1 15	4 50
T 12	4 27	9 37	0s21	10 18	1 47	15 0	2 4	26 52	4 7	15 50	0 41	17 29	0 47	17 4	0 39	5 10	1 39	2 9	15 9	8 33	9 1	18 24	1 16	4 50
W13	4 4	12 49	1 27	9 38	1 49	15 26	2 9	26 46	4 5	15 46	0 41	17 27	0 47	17 3	0 39	5 10	1 39	2 9	15 10	8 33	9 0	18 24	1 17	4 50
T 14	3 41	15 24	2 28	8 56	1 50	15 52	2 14	26 41	4 2	15 43	0 41	17 25	0 47	17 2	0 39	5 11	1 39	2 8	15 10	8 34	8 59	18 24	1 18	4 50
F 15	3 18	17 17	3 22	8 13	1 50	16 18	2 19	26 35	4 0	15 39	0 42	17 23	0 47	17 1	0 39	5 12	1 39	2 8	15 10	8 35	8 58	18 25	1 19	4 50
S 16	2 54	18 25	4 7	7 29	1 49	16 43	2 24	26 29	3 57	15 35	0 42	17 22	0 47	17 0	0 39	5 13	1 39	2 8	15 10	8 35	8 57	18 25	1 21	4 49
S 17	2 31	18 43	4 42	6 45	1 48	17 8	2 29	26 24	3 54	15 32	0 42	17 20	0 47	16 59	0 39	5 14	1 39	2 7	15 11	8 35	8 55	18 25	1 22	4 49
M18	2 8	18 12	5 4	5 59	1 46	17 33	2 33	26 18	3 52	15 28	0 42	17 18	0 47	16 59	0 39	5 14	1 39	2 7	15 11	8 35	8 54	18 25	1 23	4 49
T 19	1 44	16 51	5 14	5 13	1 44	17 57	2 38	26 12	3 49	15 24	0 42	17 16	0 48	16 58	0 39	5 15	1 39	2 7	15 11	8 34	8 53	18 26	1 24	4 49
W20	1 21	14 42	5 9	4 27	1 41	18 21	2 43	26 5	3 47	15 21	0 42	17 15	0 48	16 57	0 39	5 16	1 39	2 6	15 11	8 33	8 52	18 26	1 25	4 49
T 21	0 58	11 49	4 49	3 40	1 37	18 44	2 48	25 59	3 44	15 17	0 42	17 13	0 48	16 56	0 39	5 17	1 39	2 6	15 11	8 32	8 51	18 26	1 26	4 49
F 22	0 34	8 16	4 14	2 53	1 33	19 7	2 53	25 52	3 41	15 13	0 43	17 11	0 48	16 55	0 39	5 18	1 39	2 5	15 12	8 30	8 50	18 27	1 28	4 49
S 23	0 11	4 13	3 25	2 6	1 29	19 30	2 57	25 46	3 39	15 10	0 43	17 9	0 48	16 54	0 39	5 19	1 39	2 5	15 12	8 29	8 48	18 27	1 29	4 49
S 24	0s13	0s 8	2 22	1 19	1 25	19 52	3 2	25 39	3 36	15 6	0 43	17 8	0 48	16 53	0 39	5 19	1 39	2 5	15 12	8 28	8 47	18 27	1 30	4 48
M25	0 36	4 36	1 10	0 32	1 20	20 14	3 7	25 32	3 34	15 3	0 43	17 6	0 48	16 53	0 39	5 20	1 39	2 4	15 12	8 28	8 46	18 27	1 31	4 48
T 26	1 0	8 52	0n 8	0s15	1 14	20 36	3 11	25 25	3 31	14 59	0 43	17 4	0 49	16 52	0 39	5 21	1 39	2 4	15 12	8 27	8 45	18 28	1 32	4 48
W27	1 23	12 39	1 26	1 2	1 9	20 57	3 16	25 17	3 29	14 56	0 43	17 3	0 49	16 51	0 39	5 22	1 39	2 3	15 13	8 28	8 44	18 28	1 34	4 48
T 28	1 47	15 42	2 39	1 49	1 3	21 17	3 20	25 10	3 26	14 52	0 43	17 1	0 49	16 50	0 39	5 23	1 39	2 3	15 13	8 28	8 42	18 28	1 35	4 48
F 29	2 10	17 44	3 42	2 35	0 57	21 37	3 25	25 2	3 24	14 49	0 44	17 0	0 49	16 49	0 39	5 24	1 39	2 3	15 13	8 28	8 41	18 28	1 36	4 48
S 30	2s34	18s39	4n31	3s21	0n51	21s57	3s29	24s55	3s21	14n45	0n44	16n58	0n49	16n49	0n39	5s24	1n39	2n 2	15s13	8s29	8s40	18n29	1s37	4n48

Julian Day Number = 2314091.5, Delta T = 63.25 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'16, Lahiri = 18°36'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

OCTOBER 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 37 26	7♎25'42	4♉47	12♎ 8	24♏ 3	23♉ 1	22♌37	15♌43	15♌39	17♎39	15°R56	21°R44	22♎10	13♊38	14°R39	S 1
M 2	0 41 22	8°24'55	18°51	13°49	25° 2	23°34	22°48	15°49	15°42	17°42	15♉55	21♎43	22° 7	13°45	14♓37	M 2
T 3	0 45 19	9°24'10	2♒44	15°29	26° 0	24° 6	22°59	15°54	15°45	17°44	15°54	21°43	22° 4	13°52	14°34	T 3
W 4	0 49 15	10°23'26	16°25	17° 9	26°57	24°39	23°10	16° 0	15°47	17°46	15°53	21°41	22° 1	13°58	14°32	W 4
T 5	0 53 12	11°22'44	29°53	18°48	27°54	25°12	23°20	16° 6	15°50	17°48	15°52	21°40	21°57	14° 5	14°29	T 5
F 6	0 57 9	12°22'04	13♓ 8	20°26	28°51	25°46	23°31	16°11	15°52	17°50	15°51	21°39	21°54	14°12	14°27	F 6
S 7	1 1 5	13°21'26	26° 9	22° 3	29°47	26°19	23°42	16°16	15°54	17°53	15°50	21°38	21°51	14°18	14°24	S 7
S 8	1 5 2	14°20'50	8♈56	23°39	0♗43	26°53	23°52	16°22	15°57	17°55	15°49	21°37	21°48	14°25	14°22	S 8
M 9	1 8 58	15°20'16	21°30	25°15	1°38	27°27	24° 2	16°27	15°59	17°57	15°48	21°D37	21°45	14°32	14°20	M 9
T 10	1 12 55	16°19'44	3♉51	26°50	2°32	28° 2	24°13	16°32	16° 1	17°59	15°47	21°37	21°41	14°38	14°17	T 10
W11	1 16 51	17°19'14	16° 0	28°25	3°26	28°36	24°23	16°37	16° 4	18° 2	15°46	21°37	21°38	14°45	14°15	W11
T 12	1 20 48	18°18'46	28° 0	29°59	4°20	29°11	24°33	16°42	16° 6	18° 4	15°46	21°38	21°35	14°52	14°13	T 12
F 13	1 24 44	19°18'21	9♊54	1♏32	5°13	29°46	24°43	16°47	16° 8	18° 6	15°45	21°38	21°32	14°58	14°11	F 13
S 14	1 28 41	20°17'58	21°44	3° 5	6° 5	0♒22	24°53	16°52	16°10	18° 8	15°44	21°38	21°29	15° 5	14° 8	S 14
S 15	1 32 37	21°17'37	3♋36	4°37	6°56	0°57	25° 3	16°56	16°12	18°11	15°43	21°R38	21°26	15°12	14° 6	S 15
M16	1 36 34	22°17'18	15°32	6° 8	7°47	1°33	25°12	17° 1	16°14	18°13	15°42	21°D38	21°22	15°19	14° 4	M16
T 17	1 40 31	23°17'02	27°39	7°39	8°37	2° 9	25°22	17° 6	16°16	18°15	15°41	21°38	21°19	15°25	14° 2	T 17
W18	1 44 27	24°16'47	9♌59	9° 9	9°27	2°45	25°32	17°10	16°18	18°17	15°39	21°39	21°16	15°32	14° 0	W18
T 19	1 48 24	25°16'35	22°39	10°39	10°15	3°21	25°41	17°14	16°20	18°20	15°38	21°39	21°13	15°39	13°58	T 19
F 20	1 52 20	26°16'26	5♍40	12° 8	11° 3	3°58	25°50	17°19	16°22	18°22	15°37	21°39	21°10	15°45	13°56	F 20
S 21	1 56 17	27°16'18	19° 6	13°36	11°50	4°34	25°59	17°23	16°23	18°24	15°36	21°40	21° 6	15°52	13°54	S 21
S 22	2 0 13	28°16'13	2♎57	15° 4	12°36	5°11	26° 9	17°27	16°25	18°26	15°35	21°40	21° 3	15°59	13°53	S 22
M23	2 4 10	29°16'09	17°11	16°31	13°22	5°48	26°17	17°31	16°27	18°28	15°34	21°R41	21° 0	16° 5	13°51	M23
T 24	2 8 6	0♏16'08	1♏45	17°57	14° 6	6°25	26°26	17°35	16°29	18°31	15°33	21°40	20°57	16°12	13°49	T 24
W25	2 12 3	1°16'09	16°32	19°23	14°49	7° 3	26°35	17°39	16°30	18°33	15°32	21°40	20°54	16°19	13°47	W25
T 26	2 16 0	2°16'11	1♐25	20°48	15°32	7°40	26°44	17°43	16°32	18°35	15°31	21°39	20°51	16°25	13°46	T 26
F 27	2 19 56	3°16'15	16°16	22°13	16°13	8°18	26°52	17°46	16°33	18°37	15°30	21°37	20°47	16°32	13°44	F 27
S 28	2 23 53	4°16'21	0♑57	23°36	16°53	8°56	27° 0	17°50	16°35	18°39	15°29	21°36	20°44	16°39	13°43	S 28
S 29	2 27 49	5°16'29	15°24	24°59	17°33	9°34	27° 9	17°53	16°36	18°42	15°28	21°35	20°41	16°46	13°41	S 29
M30	2 31 46	6°16'38	29°32	26°21	18°10	10°12	27°17	17°57	16°37	18°44	15°27	21°34	20°38	16°52	13°40	M30
T 31	2 35 42	7♏16'49	13♒21	27♏42	18♐47	10♒50	27♌25	18♌ 0	16♌38	18♎46	15♉25	21°D34	20♎35	16♊59	13♓38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2s57	18s21	5n 3	4s 7	0n45	22s16	3s34	24s47	3s19	14n42	0n44	16n56	0n49	16n48	0n39	5s25	1n39	2n 2	15s13	8s29	8s39	18n29	1s38	4n47
M 2	3 21	16 56	5 16	4 52	0 39	22 35	3 38	24 39	3 16	14 38	0 44	16 55	0 49	16 47	0 39	5 26	1 39	2 1	15 14	8 29	8 38	18 29	1 39	4 47
T 3	3 44	14 32	5 11	5 37	0 32	22 53	3 42	24 31	3 14	14 35	0 44	16 53	0 50	16 46	0 39	5 27	1 39	2 1	15 14	8 29	8 37	18 29	1 40	4 47
W 4	4 7	11 22	4 48	6 21	0 26	23 11	3 46	24 22	3 11	14 31	0 44	16 52	0 50	16 46	0 39	5 28	1 39	2 1	15 14	8 28	8 35	18 30	1 42	4 47
T 5	4 31	7 39	4 9	7 5	0 19	23 28	3 50	24 14	3 9	14 28	0 45	16 50	0 50	16 45	0 39	5 29	1 39	2 0	15 14	8 28	8 34	18 30	1 43	4 47
F 6	4 54	3 36	3 18	7 48	0 12	23 45	3 54	24 5	3 6	14 25	0 45	16 49	0 50	16 44	0 39	5 30	1 39	2 0	15 14	8 27	8 33	18 30	1 44	4 46
S 7	5 17	0n33	2 17	8 31	0 5	24 1	3 58	23 56	3 4	14 21	0 45	16 47	0 50	16 44	0 39	5 30	1 39	2 0	15 14	8 27	8 32	18 30	1 45	4 46
S 8	5 40	4 37	1 10	9 13	0s 1	24 17	4 2	23 47	3 2	14 18	0 45	16 46	0 50	16 43	0 40	5 31	1 39	1 59	15 14	8 27	8 31	18 30	1 46	4 46
M 9	6 3	8 24	0 1	9 55	0 8	24 32	4 6	23 38	2 59	14 15	0 45	16 44	0 51	16 42	0 40	5 32	1 39	1 59	15 15	8 27	8 29	18 31	1 47	4 46
T 10	6 26	11 46	1s 7	10 36	0 15	24 47	4 9	23 29	2 57	14 11	0 45	16 43	0 51	16 42	0 40	5 33	1 39	1 58	15 15	8 27	8 28	18 31	1 48	4 46
W11	6 49	14 34	2 11	11 17	0 22	25 1	4 13	23 20	2 55	14 8	0 46	16 42	0 51	16 41	0 40	5 34	1 39	1 58	15 15	8 27	8 27	18 31	1 49	4 45
T 12	7 12	16 41	3 9	11 56	0 29	25 15	4 16	23 10	2 52	14 5	0 46	16 40	0 51	16 40	0 40	5 35	1 39	1 58	15 15	8 27	8 26	18 31	1 50	4 45
F 13	7 34	18 4	3 57	12 35	0 36	25 28	4 19	23 0	2 50	14 2	0 46	16 39	0 51	16 40	0 40	5 35	1 39	1 57	15 15	8 27	8 25	18 32	1 51	4 45
S 14	7 57	18 39	4 35	13 14	0 43	25 40	4 23	22 50	2 48	13 59	0 46	16 38	0 51	16 39	0 40	5 36	1 39	1 57	15 15	8 27	8 23	18 32	1 52	4 45
S 15	8 19	18 24	5 2	13 52	0 50	25 52	4 26	22 40	2 45	13 56	0 46	16 36	0 51	16 39	0 40	5 37	1 39	1 56	15 15	8 27	8 22	18 32	1 53	4 44
M16	8 42	17 21	5 16	14 29	0 56	26 4	4 28	22 30	2 43	13 52	0 46	16 35	0 52	16 38	0 40	5 38	1 39	1 56	15 15	8 27	8 21	18 32	1 54	4 44
T 17	9 4	15 31	5 16	15 5	1 3	26 15	4 31	22 20	2 41	13 49	0 47	16 34	0 52	16 37	0 40	5 39	1 39	1 56	15 16	8 27	8 20	18 32	1 55	4 44
W18	9 26	12 56	5 1	15 40	1 9	26 25	4 34	22 9	2 38	13 46	0 47	16 33	0 52	16 37	0 40	5 40	1 39	1 55	15 16	8 27	8 19	18 33	1 56	4 44
T 19	9 48	9 42	4 32	16 15	1 16	26 35	4 36	21 58	2 36	13 43	0 47	16 32	0 52	16 36	0 40	5 41	1 39	1 55	15 16	8 27	8 17	18 33	1 57	4 43
F 20	10 10	5 54	3 49	16 49	1 22	26 44	4 38	21 48	2 34	13 40	0 47	16 30	0 52	16 36	0 40	5 41	1 39	1 55	15 16	8 27	8 16	18 33	1 58	4 43
S 21	10 31	1 42	2 51	17 21	1 28	26 53	4 41	21 37	2 32	13 37	0 47	16 29	0 53	16 35	0 40	5 42	1 39	1 54	15 16	8 28	8 15	18 33	1 59	4 43
S 22	10 53	2s44	1 42	17 54	1 35	27 1	4 42	21 25	2 29	13 35	0 48	16 28	0 53	16 35	0 40	5 43	1 39	1 54	15 16	8 28	8 14	18 33	2 0	4 43
M23	11 14	7 9	0 25	18 25	1 41	27 9	4 44	21 14	2 27	13 32	0 48	16 27	0 53	16 34	0 40	5 44	1 39	1 54	15 16	8 28	8 13	18 33	2 1	4 42
T 24	11 35	11 14	0n56	18 55	1 46	27 16	4 46	21 3	2 25	13 29	0 48	16 26	0 53	16 34	0 40	5 45	1 39	1 53	15 16	8 28	8 12	18 34	2 2	4 42
W25	11 56	14 41	2 14	19 24	1 52	27 22	4 47	20 51	2 23	13 26	0 48	16 25	0 53	16 34	0 40	5 45	1 39	1 53	15 16	8 28	8 10	18 34	2 3	4 42
T 26	12 17	17 10	3 23	19 52	1 57	27 28	4 48	20 39	2 21	13 23	0 48	16 24	0 53	16 33	0 40	5 46	1 39	1 53	15 16	8 27	8 9	18 34	2 4	4 42
F 27	12 38	18 29	4 18	20 20	2 2	27 34	4 49	20 27	2 18	13 21	0 49	16 23	0 54	16 33	0 40	5 47	1 39	1 52	15 16	8 27	8 8	18 34	2 5	4 41
S 28	12 58	18 33	4 56	20 46	2 7	27 39	4 50	20 15	2 16	13 18	0 49	16 22	0 54	16 32	0 40	5 48	1 39	1 52	15 16	8 26	8 7	18 34	2 6	4 41
S 29	13 18	17 23	5 15	21 11	2 12	27 43	4 50	20 3	2 14	13 15	0 49	16 21	0 54	16 32	0 40	5 49	1 39	1 52	15 16	8 26	8 6	18 34	2 6	4 41
M30	13 38	15 11	5 13	21 35	2 17	27 47	4 51	19 50	2 12	13 13	0 49	16 20	0 54	16 32	0 40	5 50	1 39	1 51	15 16	8 25	8 4	18 35	2 7	4 40
T 31	13s58	12s 9	4n54	21s58	2s21	27s50	4s50	19s38	2s10	13n10	0n49	16n20	0n54	16n31	0n40	5s50	1n39	1n51	15s16	8s25	8s 3	18n35	2s 8	4n40

Julian Day Number = 2314121.5, Delta T = 63.18 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'20, Lahiri = 18°36'21Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

NOVEMBER 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 39 39	8♏17'01	26♒49	29♏ 2	19♐22	11♒29	27♌33	18♌ 3	16♌40	18♎48	15°R24	21♎35	20♎32	17♊ 6	13°R37	W 1
T 2	2 43 35	9°17'14	10♓ 0	0♐20	19°56	12° 8	27°40	18° 6	16°41	18°50	15♉23	21°36	20°28	17°12	13♓36	T 2
F 3	2 47 32	10°17'29	22°54	1°38	20°29	12°46	27°48	18° 9	16°42	18°52	15°22	21°38	20°25	17°19	13°34	F 3
S 4	2 51 29	11°17'45	5♈33	2°53	21° 0	13°25	27°55	18°12	16°43	18°54	15°21	21°39	20°22	17°26	13°33	S 4
S 5	2 55 25	12°18'04	18° 1	4° 8	21°30	14° 4	28° 3	18°15	16°44	18°57	15°20	21°R40	20°19	17°32	13°32	S 5
M 6	2 59 22	13°18'23	0♉18	5°20	21°57	14°43	28°10	18°18	16°45	18°59	15°19	21°39	20°16	17°39	13°31	M 6
T 7	3 3 18	14°18'45	12°26	6°31	22°24	15°22	28°17	18°20	16°46	19° 1	15°18	21°38	20°12	17°46	13°30	T 7
W 8	3 7 15	15°19'08	24°27	7°39	22°48	16° 1	28°24	18°23	16°47	19° 3	15°16	21°35	20° 9	17°53	13°29	W 8
T 9	3 11 11	16°19'33	6♊23	8°44	23°11	16°41	28°30	18°25	16°48	19° 5	15°15	21°32	20° 6	17°59	13°28	T 9
F 10	3 15 8	17°19'59	18°15	9°47	23°32	17°20	28°37	18°28	16°48	19° 7	15°14	21°27	20° 3	18° 6	13°27	F 10
S 11	3 19 4	18°20'27	0♋ 5	10°47	23°51	18° 0	28°43	18°30	16°49	19° 9	15°13	21°22	20° 0	18°13	13°26	S 11
S 12	3 23 1	19°20'57	11°57	11°43	24° 8	18°40	28°50	18°32	16°50	19°11	15°12	21°18	19°57	18°19	13°26	S 12
M13	3 26 58	20°21'29	23°53	12°35	24°23	19°19	28°56	18°34	16°50	19°13	15°11	21°14	19°53	18°26	13°25	M13
T 14	3 30 54	21°22'03	5♌57	13°22	24°36	19°59	29° 2	18°36	16°51	19°15	15°10	21°11	19°50	18°33	13°24	T 14
W15	3 34 51	22°22'38	18°14	14° 4	24°47	20°39	29° 8	18°37	16°51	19°17	15° 9	21°D10	19°47	18°40	13°24	W15
T 16	3 38 47	23°23'15	0♍47	14°40	24°56	21°19	29°13	18°39	16°51	19°19	15° 7	21°10	19°44	18°46	13°23	T 16
F 17	3 42 44	24°23'54	13°42	15° 9	25° 2	21°59	29°19	18°40	16°52	19°21	15° 6	21°11	19°41	18°53	13°23	F 17
S 18	3 46 40	25°24'34	27° 1	15°31	25° 6	22°40	29°24	18°42	16°52	19°23	15° 5	21°13	19°38	19° 0	13°22	S 18
S 19	3 50 37	26°25'16	10♎48	15°45	25°R 8	23°20	29°29	18°43	16°52	19°24	15° 4	21°14	19°34	19° 6	13°22	S 19
M20	3 54 33	27°26'00	25° 3	15°R50	25° 7	24° 0	29°35	18°44	16°52	19°26	15° 3	21°R15	19°31	19°13	13°22	M20
T 21	3 58 30	28°26'45	9♏43	15°46	25° 4	24°41	29°39	18°45	16°53	19°28	15° 2	21°13	19°28	19°20	13°21	T 21
W22	4 2 27	29°27'32	24°44	15°31	24°59	25°21	29°44	18°46	16°53	19°30	15° 1	21°10	19°25	19°26	13°21	W22
T 23	4 6 23	0♐28'20	9♐56	15° 5	24°51	26° 2	29°49	18°47	16°R53	19°32	15° 0	21° 5	19°22	19°33	13°21	T 23
F 24	4 10 20	1°29'10	25°10	14°28	24°40	26°42	29°53	18°48	16°53	19°34	14°59	20°59	19°18	19°40	13°D21	F 24
S 25	4 14 16	2°30'00	10♑15	13°40	24°27	27°23	29°57	18°49	16°53	19°35	14°58	20°53	19°15	19°47	13°21	S 25
S 26	4 18 13	3°30'52	25° 2	12°43	24°12	28° 4	0♍ 1	18°49	16°52	19°37	14°57	20°47	19°12	19°53	13°21	S 26
M27	4 22 9	4°31'44	9♒24	11°36	23°54	28°45	0° 5	18°50	16°52	19°39	14°56	20°42	19° 9	20° 0	13°21	M27
T 28	4 26 6	5°32'37	23°20	10°21	23°34	29°26	0° 9	18°50	16°52	19°41	14°54	20°40	19° 6	20° 7	13°21	T 28
W29	4 30 2	6°33'31	6♓49	9° 1	23°12	0♓ 7	0°12	18°50	16°52	19°42	14°53	20°D39	19° 3	20°13	13°22	W29
T 30	4 33 59	7♐34'26	19♓54	7♐39	22♐48	0♓48	0♍15	18°R50	16♌51	19♎44	14♉52	20♎40	18♎59	20♊20	13♓22	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s18	8s32	4n19	22s20	2s25	27s53	4s50	19s25	2s 8	13n 8	0n50	16n19	0n55	16n31	0n40	5s51	1n39	1n51	15s16	8s26	8s 2	18n35	2s 9	4n40
T 2	14 37	4 35	3 30	22 40	2 28	27 55	4 50	19 12	2 6	13 5	0 50	16 18	0 55	16 31	0 40	5 52	1 39	1 50	15 16	8 26	8 1	18 35	2 10	4 40
F 3	14 56	0 30	2 32	23 0	2 31	27 57	4 49	18 59	2 4	13 3	0 50	16 17	0 55	16 30	0 41	5 53	1 39	1 50	15 16	8 27	8 0	18 35	2 10	4 39
S 4	15 15	3n33	1 28	23 18	2 34	27 58	4 47	18 46	2 2	13 0	0 50	16 17	0 55	16 30	0 41	5 53	1 39	1 50	15 16	8 27	7 58	18 35	2 11	4 39
S 5	15 33	7 23	0 20	23 34	2 36	27 58	4 46	18 33	2 0	12 58	0 51	16 16	0 55	16 30	0 41	5 54	1 39	1 49	15 16	8 28	7 57	18 35	2 12	4 39
M 6	15 52	10 51	0s47	23 49	2 38	27 58	4 44	18 20	1 58	12 56	0 51	16 15	0 55	16 30	0 41	5 55	1 39	1 49	15 16	8 27	7 56	18 35	2 12	4 38
T 7	16 10	13 49	1 52	24 3	2 39	27 58	4 42	18 6	1 56	12 54	0 51	16 15	0 56	16 29	0 41	5 56	1 39	1 49	15 16	8 27	7 55	18 36	2 13	4 38
W 8	16 28	16 10	2 51	24 16	2 40	27 56	4 39	17 52	1 54	12 51	0 51	16 14	0 56	16 29	0 41	5 57	1 39	1 48	15 16	8 26	7 54	18 36	2 14	4 38
T 9	16 45	17 47	3 42	24 26	2 40	27 55	4 37	17 39	1 52	12 49	0 51	16 13	0 56	16 29	0 41	5 57	1 39	1 48	15 16	8 24	7 52	18 36	2 14	4 37
F 10	17 2	18 36	4 22	24 36	2 40	27 53	4 33	17 25	1 50	12 47	0 52	16 13	0 56	16 29	0 41	5 58	1 39	1 48	15 16	8 23	7 51	18 36	2 15	4 37
S 11	17 19	18 37	4 52	24 43	2 38	27 50	4 29	17 11	1 48	12 45	0 52	16 12	0 56	16 29	0 41	5 59	1 39	1 48	15 16	8 21	7 50	18 36	2 16	4 37
S 12	17 36	17 49	5 9	24 49	2 36	27 46	4 25	16 56	1 46	12 43	0 52	16 12	0 57	16 28	0 41	5 59	1 39	1 47	15 16	8 19	7 49	18 36	2 16	4 37
M13	17 52	16 14	5 13	24 53	2 33	27 43	4 21	16 42	1 44	12 41	0 52	16 12	0 57	16 28	0 41	6 0	1 39	1 47	15 16	8 18	7 48	18 36	2 17	4 36
T 14	18 8	13 56	5 3	24 55	2 30	27 38	4 16	16 28	1 42	12 39	0 53	16 11	0 57	16 28	0 41	6 1	1 39	1 47	15 16	8 17	7 46	18 36	2 17	4 36
W15	18 24	10 58	4 39	24 56	2 25	27 33	4 10	16 13	1 40	12 37	0 53	16 11	0 57	16 28	0 41	6 2	1 39	1 47	15 16	8 16	7 45	18 36	2 18	4 36
T 16	18 39	7 27	4 1	24 54	2 19	27 27	4 4	15 58	1 38	12 36	0 53	16 10	0 57	16 28	0 41	6 2	1 39	1 46	15 16	8 16	7 44	18 37	2 18	4 35
F 17	18 54	3 29	3 11	24 50	2 12	27 21	3 58	15 44	1 36	12 34	0 53	16 10	0 58	16 28	0 41	6 3	1 40	1 46	15 16	8 17	7 43	18 37	2 19	4 35
S 18	19 9	0s47	2 8	24 44	2 3	27 14	3 51	15 29	1 35	12 32	0 54	16 10	0 58	16 28	0 41	6 4	1 40	1 46	15 16	8 18	7 42	18 37	2 19	4 35
S 19	19 23	5 9	0 57	24 36	1 53	27 7	3 43	15 14	1 33	12 31	0 54	16 10	0 58	16 28	0 41	6 4	1 40	1 46	15 16	8 18	7 40	18 37	2 20	4 34
M20	19 37	9 23	0n21	24 25	1 42	26 59	3 35	14 59	1 31	12 29	0 54	16 10	0 58	16 28	0 41	6 5	1 40	1 46	15 16	8 18	7 39	18 37	2 20	4 34
T 21	19 51	13 11	1 39	24 12	1 29	26 50	3 27	14 43	1 29	12 28	0 54	16 9	0 58	16 28	0 41	6 6	1 40	1 45	15 16	8 18	7 38	18 37	2 20	4 34
W22	20 4	16 12	2 52	23 56	1 15	26 41	3 18	14 28	1 27	12 26	0 55	16 9	0 59	16 28	0 41	6 6	1 40	1 45	15 15	8 16	7 37	18 37	2 21	4 33
T 23	20 17	18 8	3 54	23 38	0 59	26 31	3 8	14 12	1 26	12 25	0 55	16 9	0 59	16 28	0 41	6 7	1 40	1 45	15 15	8 15	7 35	18 37	2 21	4 33
F 24	20 30	18 45	4 39	23 16	0 42	26 20	2 58	13 57	1 24	12 24	0 55	16 9	0 59	16 28	0 41	6 8	1 40	1 45	15 15	8 12	7 34	18 37	2 21	4 33
S 25	20 42	18 2	5 4	22 53	0 24	26 9	2 47	13 41	1 22	12 22	0 55	16 9	0 59	16 28	0 41	6 8	1 40	1 45	15 15	8 10	7 33	18 37	2 22	4 32
S 26	20 54	16 6	5 9	22 26	0 4	25 57	2 36	13 25	1 20	12 21	0 56	16 9	0 59	16 28	0 42	6 9	1 40	1 44	15 15	8 8	7 32	18 37	2 22	4 32
M27	21 5	13 13	4 53	21 57	0n16	25 45	2 24	13 10	1 19	12 20	0 56	16 9	1 0	16 28	0 42	6 10	1 40	1 44	15 15	8 6	7 31	18 37	2 22	4 32
T 28	21 16	9 39	4 21	21 27	0 37	25 31	2 12	12 54	1 17	12 19	0 56	16 9	1 0	16 28	0 42	6 10	1 40	1 44	15 15	8 5	7 29	18 37	2 23	4 31
W29	21 27	5 42	3 35	20 55	0 57	25 17	1 59	12 38	1 15	12 18	0 56	16 9	1 0	16 29	0 42	6 11	1 40	1 44	15 15	8 5	7 28	18 38	2 23	4 31
T 30	21s37	1s35	2n39	20s22	1n16	25s 3	1s46	12s21	1s14	12n17	0n57	16n10	1n 0	16n29	0n42	6s11	1n40	1n44	15s14	8s 5	7s27	18n38	2s23	4n31

Julian Day Number = 2314152.5, Delta T = 63.11 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'24, Lahiri = 18°36'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1623
geocentric

DECEMBER 1623 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 37 56	8♐35'21	2♈38	6°R16	22°R21	1♓29	0♍18	18°R50	16°R51	19♎46	14°R51	20♎41	18♎56	20♊27	13♓22	F 1
S 2	4 41 52	9°36'17	15° 4	4♐56	21♐52	2°10	0°21	18♌50	16♌50	19°47	14♉50	20°R42	18°53	20°33	13°23	S 2
S 3	4 45 49	10°37'14	27°18	3°42	21°22	2°51	0°24	18°50	16°50	19°49	14°49	20°42	18°50	20°40	13°23	S 3
M 4	4 49 45	11°38'12	9♉22	2°35	20°50	3°32	0°27	18°49	16°49	19°50	14°48	20°40	18°47	20°47	13°24	M 4
T 5	4 53 42	12°39'10	21°20	1°38	20°17	4°14	0°29	18°49	16°48	19°52	14°47	20°35	18°43	20°54	13°24	T 5
W 6	4 57 38	13°40'10	3♊14	0°51	19°43	4°55	0°31	18°48	16°48	19°53	14°46	20°28	18°40	21° 0	13°25	W 6
T 7	5 1 35	14°41'10	15° 6	0°15	19° 8	5°36	0°33	18°47	16°47	19°55	14°45	20°19	18°37	21° 7	13°26	T 7
F 8	5 5 31	15°42'11	26°58	29♏51	18°32	6°18	0°35	18°47	16°46	19°56	14°44	20° 8	18°34	21°14	13°26	F 8
S 9	5 9 28	16°43'12	8♋50	29°37	17°55	6°59	0°37	18°46	16°45	19°58	14°44	19°57	18°31	21°20	13°27	S 9
S 10	5 13 25	17°44'15	20°45	29°D34	17°19	7°41	0°38	18°45	16°44	19°59	14°43	19°45	18°28	21°27	13°28	S 10
M11	5 17 21	18°45'18	2♌45	29°41	16°42	8°22	0°39	18°43	16°43	20° 0	14°42	19°35	18°24	21°34	13°29	M11
T 12	5 21 18	19°46'22	14°52	29°57	16° 6	9° 3	0°40	18°42	16°42	20° 2	14°41	19°27	18°21	21°41	13°30	T 12
W13	5 25 14	20°47'27	27° 8	0♐22	15°30	9°45	0°41	18°41	16°41	20° 3	14°40	19°22	18°18	21°47	13°31	W13
T 14	5 29 11	21°48'33	9♍38	0°54	14°56	10°27	0°42	18°39	16°40	20° 4	14°39	19°19	18°15	21°54	13°32	T 14
F 15	5 33 7	22°49'40	22°26	1°32	14°22	11° 8	0°42	18°38	16°39	20° 6	14°38	19°D18	18°12	22° 1	13°33	F 15
S 16	5 37 4	23°50'47	5♎36	2°17	13°50	11°50	0°43	18°36	16°38	20° 7	14°37	19°18	18° 9	22° 7	13°34	S 16
S 17	5 41 0	24°51'55	19°11	3° 7	13°19	12°31	0°R43	18°34	16°36	20° 8	14°37	19°R19	18° 5	22°14	13°36	S 17
M18	5 44 57	25°53'04	3♏14	4° 1	12°50	13°13	0°43	18°32	16°35	20° 9	14°36	19°18	18° 2	22°21	13°37	M18
T 19	5 48 54	26°54'14	17°45	5° 0	12°22	13°55	0°42	18°30	16°34	20°10	14°35	19°15	17°59	22°28	13°38	T 19
W20	5 52 50	27°55'24	2♐40	6° 2	11°57	14°36	0°42	18°28	16°32	20°12	14°34	19° 9	17°56	22°34	13°40	W20
T 21	5 56 47	28°56'35	17°53	7° 8	11°34	15°18	0°41	18°26	16°31	20°13	14°33	19° 1	17°53	22°41	13°41	T 21
F 22	6 0 43	29°57'46	3♑14	8°16	11°13	16° 0	0°40	18°24	16°29	20°14	14°33	18°51	17°49	22°48	13°43	F 22
S 23	6 4 40	0♑58'58	18°31	9°27	10°54	16°42	0°39	18°21	16°28	20°15	14°32	18°40	17°46	22°54	13°44	S 23
S 24	6 8 36	2° 0'09	3♒33	10°40	10°38	17°23	0°38	18°19	16°26	20°16	14°31	18°29	17°43	23° 1	13°46	S 24
M25	6 12 33	3° 1'21	18°10	11°55	10°24	18° 5	0°36	18°16	16°24	20°17	14°30	18°20	17°40	23° 8	13°48	M25
T 26	6 16 29	4° 2'32	2♓19	13°11	10°13	18°47	0°34	18°13	16°23	20°18	14°30	18°14	17°37	23°15	13°50	T 26
W27	6 20 26	5° 3'43	15°57	14°30	10° 4	19°29	0°33	18°10	16°21	20°18	14°29	18°10	17°34	23°21	13°51	W27
T 28	6 24 23	6° 4'54	29° 6	15°49	9°57	20°11	0°31	18° 8	16°19	20°19	14°28	18° 9	17°30	23°28	13°53	T 28
F 29	6 28 19	7° 6'04	11♈50	17°10	9°53	20°53	0°28	18° 5	16°17	20°20	14°28	18° 9	17°27	23°35	13°55	F 29
S 30	6 32 16	8° 7'15	24°14	18°32	9°D52	21°34	0°26	18° 2	16°16	20°21	14°27	18° 9	17°24	23°41	13°57	S 30
S 31	6 36 12	9♑ 8'25	6♉23	19♐55	9♐53	22♓16	0♍23	17♌58	16♌14	20♎22	14♉27	18♎ 8	17♎21	23♊48	13♓59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s47	2n31	1n36	19 s50	1n35	24 s48	1 s32	12 s 5	1 s12	12n16	0n57	16n10	1n 0	16n29	0n42	6 s12	1n40	1n44	15 s14	8 s 5	7 s26	18n38	2 s23	4n30
S 2	21 56	6 25	0 30	19 20	1 52	24 32	1 18	11 49	1 10	12 15	0 57	16 10	1 1	16 29	0 42	6 12	1 40	1 44	15 14	8 6	7 25	18 38	2 23	4 30
S 3	22 5	9 59	0 s36	18 52	2 7	24 15	1 3	11 33	1 9	12 15	0 57	16 10	1 1	16 29	0 42	6 13	1 40	1 43	15 14	8 6	7 23	18 38	2 23	4 30
M 4	22 13	13 5	1 39	18 26	2 19	23 58	0 48	11 16	1 7	12 14	0 58	16 11	1 1	16 29	0 42	6 14	1 40	1 43	15 14	8 5	7 22	18 38	2 23	4 30
T 5	22 21	15 36	2 37	18 5	2 30	23 41	0 33	11 0	1 5	12 13	0 58	16 11	1 1	16 30	0 42	6 14	1 40	1 43	15 14	8 3	7 21	18 38	2 24	4 29
W 6	22 29	17 27	3 28	17 47	2 38	23 23	0 18	10 43	1 4	12 13	0 58	16 11	1 1	16 30	0 42	6 15	1 40	1 43	15 13	8 1	7 20	18 38	2 24	4 29
T 7	22 36	18 31	4 9	17 34	2 44	23 5	0 2	10 26	1 2	12 12	0 58	16 12	1 2	16 30	0 42	6 15	1 40	1 43	15 13	7 57	7 19	18 38	2 24	4 29
F 8	22 43	18 47	4 40	17 25	2 48	22 46	0n13	10 9	1 1	12 12	0 59	16 12	1 2	16 31	0 42	6 16	1 40	1 43	15 13	7 53	7 17	18 38	2 24	4 28
S 9	22 49	18 14	4 59	17 20	2 50	22 27	0 29	9 53	0 59	12 12	0 59	16 13	1 2	16 31	0 42	6 16	1 40	1 43	15 13	7 49	7 16	18 38	2 24	4 28
S 10	22 55	16 52	5 4	17 19	2 50	22 8	0 44	9 36	0 57	12 12	0 59	16 13	1 2	16 31	0 42	6 17	1 41	1 43	15 13	7 44	7 15	18 38	2 24	4 28
M11	23 1	14 46	4 56	17 22	2 49	21 49	1 0	9 19	0 56	12 11	0 59	16 14	1 2	16 31	0 42	6 17	1 41	1 43	15 13	7 41	7 14	18 38	2 23	4 27
T 12	23 5	12 1	4 35	17 28	2 47	21 31	1 15	9 2	0 54	12 11	1 0	16 14	1 3	16 32	0 42	6 18	1 41	1 43	15 12	7 38	7 13	18 38	2 23	4 27
W13	23 10	8 43	4 1	17 36	2 43	21 12	1 30	8 45	0 53	12 11	1 0	16 15	1 3	16 32	0 42	6 18	1 41	1 43	15 12	7 36	7 11	18 38	2 23	4 27
T 14	23 14	4 58	3 15	17 47	2 39	20 53	1 45	8 28	0 51	12 11	1 0	16 16	1 3	16 33	0 42	6 18	1 41	1 43	15 12	7 34	7 10	18 38	2 23	4 26
F 15	23 17	0 54	2 18	18 0	2 34	20 35	2 0	8 10	0 50	12 11	1 1	16 16	1 3	16 33	0 42	6 19	1 41	1 43	15 12	7 34	7 9	18 38	2 23	4 26
S 16	23 21	3 s20	1 12	18 15	2 28	20 17	2 14	7 53	0 48	12 11	1 1	16 17	1 3	16 33	0 42	6 19	1 41	1 43	15 11	7 34	7 8	18 38	2 23	4 26
S 17	23 23	7 32	0 1	18 31	2 21	20 0	2 28	7 36	0 47	12 12	1 1	16 18	1 4	16 34	0 42	6 20	1 41	1 43	15 11	7 34	7 6	18 38	2 23	4 25
M18	23 25	11 28	1n13	18 48	2 14	19 43	2 41	7 19	0 46	12 12	1 1	16 19	1 4	16 34	0 42	6 20	1 41	1 43	15 11	7 34	7 5	18 38	2 22	4 25
T 19	23 27	14 50	2 25	19 6	2 7	19 27	2 54	7 1	0 44	12 12	1 2	16 19	1 4	16 35	0 42	6 20	1 41	1 43	15 11	7 33	7 4	18 38	2 22	4 25
W20	23 28	17 19	3 29	19 24	1 59	19 12	3 6	6 44	0 43	12 13	1 2	16 20	1 4	16 35	0 42	6 21	1 41	1 43	15 10	7 31	7 3	18 38	2 22	4 24
T 21	23 29	18 38	4 19	19 43	1 51	18 57	3 17	6 26	0 41	12 13	1 2	16 21	1 4	16 36	0 43	6 21	1 41	1 43	15 10	7 28	7 2	18 38	2 22	4 24
F 22	23 29	18 36	4 51	20 2	1 43	18 44	3 28	6 9	0 40	12 14	1 2	16 22	1 4	16 36	0 43	6 21	1 41	1 43	15 10	7 24	7 0	18 38	2 21	4 24
S 23	23 29	17 13	5 2	20 20	1 35	18 31	3 39	5 51	0 39	12 14	1 3	16 23	1 5	16 37	0 43	6 22	1 41	1 43	15 10	7 20	6 59	18 38	2 21	4 24
S 24	23 28	14 40	4 51	20 39	1 27	18 19	3 49	5 34	0 37	12 15	1 3	16 24	1 5	16 37	0 43	6 22	1 41	1 43	15 9	7 15	6 58	18 38	2 21	4 23
M25	23 27	11 15	4 22	20 58	1 19	18 8	3 58	5 16	0 36	12 16	1 3	16 25	1 5	16 38	0 43	6 22	1 41	1 43	15 9	7 12	6 57	18 38	2 20	4 23
T 26	23 25	7 17	3 38	21 16	1 10	17 58	4 6	4 58	0 34	12 17	1 3	16 26	1 5	16 38	0 43	6 23	1 41	1 43	15 9	7 10	6 56	18 38	2 20	4 23
W27	23 23	3 4	2 42	21 33	1 2	17 48	4 14	4 41	0 33	12 18	1 4	16 27	1 5	16 39	0 43	6 23	1 41	1 43	15 9	7 8	6 54	18 38	2 19	4 22
T 28	23 21	1n 9	1 39	21 50	0 54	17 40	4 22	4 23	0 32	12 19	1 4	16 28	1 6	16 39	0 43	6 23	1 42	1 43	15 8	7 8	6 53	18 38	2 19	4 22
F 29	23 18	5 12	0 33	22 7	0 46	17 33	4 29	4 5	0 31	12 20	1 4	16 29	1 6	16 40	0 43	6 24	1 42	1 43	15 8	7 8	6 52	18 38	2 19	4 22
S 30	23 14	8 55	0 s32	22 22	0 37	17 26	4 35	3 48	0 29	12 21	1 5	16 30	1 6	16 40	0 43	6 24	1 42	1 43	15 8	7 8	6 51	18 38	2 18	4 22
S 31	23 s10	12n11	1 s35	22 s37	0n29	17 s21	4n41	3 s30	0 s28	12n22	1n 5	16n31	1n 6	16n41	0n43	6 s24	1n42	1n43	15 s 8	7 s 7	6 s49	18n38	2 s18	4n21

Julian Day Number = 2314182.5, Delta T = 63.04 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'29, Lahiri = 18°36'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

JANUARY 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 40 9	10♑ 9'34	18♉21	21♐19	9♐56	22♓58	0°R20	17°R55	16°R12	20♎22	14°R26	18°R 4	17♎18	23♊55	14♓ 1	M 1
T 2	6 44 5	11°10'44	0♊14	22°43	10° 2	23°40	0♍17	17♌52	16♌10	20°23	14♉25	17♎58	17°15	24° 1	14° 3	T 2
W 3	6 48 2	12°11'53	12° 4	24° 9	10°10	24°22	0°14	17°48	16° 8	20°24	14°25	17°49	17°11	24° 8	14° 5	W 3
T 4	6 51 58	13°13'01	23°55	25°35	10°20	25° 4	0°11	17°45	16° 6	20°24	14°24	17°37	17° 8	24°15	14° 8	T 4
F 5	6 55 55	14°14'10	5♋48	27° 2	10°32	25°46	0° 7	17°41	16° 4	20°25	14°24	17°22	17° 5	24°22	14°10	F 5
S 6	6 59 52	15°15'18	17°45	28°30	10°47	26°28	0° 3	17°38	16° 2	20°26	14°23	17° 7	17° 2	24°28	14°12	S 6
S 7	7 3 48	16°16'25	29°48	29°58	11° 4	27° 9	29♌59	17°34	15°59	20°26	14°23	16°52	16°59	24°35	14°14	S 7
M 8	7 7 45	17°17'33	11♌56	1♑27	11°22	27°51	29°55	17°30	15°57	20°27	14°22	16°39	16°55	24°42	14°17	M 8
T 9	7 11 41	18°18'40	24°12	2°56	11°43	28°33	29°51	17°26	15°55	20°27	14°22	16°28	16°52	24°48	14°19	T 9
W10	7 15 38	19°19'46	6♍37	4°26	12° 6	29°15	29°47	17°22	15°53	20°27	14°22	16°20	16°49	24°55	14°22	W10
T 11	7 19 34	20°20'53	19°12	5°57	12°30	29°57	29°42	17°18	15°51	20°28	14°21	16°15	16°46	25° 2	14°24	T 11
F 12	7 23 31	21°21'59	2♎ 2	7°28	12°56	0♈39	29°37	17°14	15°48	20°28	14°21	16°13	16°43	25° 9	14°27	F 12
S 13	7 27 27	22°23'05	15° 9	9° 0	13°24	1°21	29°32	17°10	15°46	20°29	14°21	16°13	16°40	25°15	14°29	S 13
S 14	7 31 24	23°24'11	28°36	10°32	13°54	2° 2	29°27	17° 6	15°44	20°29	14°20	16°13	16°36	25°22	14°32	S 14
M15	7 35 21	24°25'16	12♏26	12° 5	14°25	2°44	29°22	17° 1	15°41	20°29	14°20	16°12	16°33	25°29	14°35	M15
T 16	7 39 17	25°26'21	26°40	13°38	14°58	3°26	29°17	16°57	15°39	20°29	14°20	16° 9	16°30	25°35	14°37	T 16
W17	7 43 14	26°27'26	11♐17	15°12	15°32	4° 8	29°11	16°53	15°36	20°29	14°19	16° 3	16°27	25°42	14°40	W17
T 18	7 47 10	27°28'30	26°13	16°46	16° 7	4°50	29° 5	16°48	15°34	20°30	14°19	15°55	16°24	25°49	14°43	T 18
F 19	7 51 7	28°29'33	11♑20	18°21	16°44	5°31	28°59	16°44	15°32	20°30	14°19	15°44	16°21	25°56	14°46	F 19
S 20	7 55 3	29°30'36	26°29	19°57	17°22	6°13	28°53	16°39	15°29	20°30	14°19	15°33	16°17	26° 2	14°49	S 20
S 21	7 59 0	0♒31'38	11♒28	21°33	18° 2	6°55	28°47	16°35	15°27	20°30	14°19	15°21	16°14	26° 9	14°51	S 21
M22	8 2 57	1°32'39	26° 9	23°10	18°42	7°37	28°41	16°30	15°24	20°R30	14°18	15°12	16°11	26°16	14°54	M22
T 23	8 6 53	2°33'39	10♓24	24°48	19°24	8°19	28°35	16°25	15°21	20°30	14°18	15° 5	16° 8	26°22	14°57	T 23
W24	8 10 50	3°34'38	24°10	26°26	20° 6	9° 0	28°28	16°21	15°19	20°30	14°18	15° 1	16° 5	26°29	15° 0	W24
T 25	8 14 46	4°35'36	7♈26	28° 5	20°50	9°42	28°22	16°16	15°16	20°30	14°18	14°59	16° 1	26°36	15° 3	T 25
F 26	8 18 43	5°36'32	20°17	29°45	21°35	10°24	28°15	16°11	15°14	20°30	14°18	14°D59	15°58	26°43	15° 7	F 26
S 27	8 22 39	6°37'27	2♉45	1♒25	22°21	11° 6	28° 8	16° 7	15°11	20°29	14°18	14°R59	15°55	26°49	15°10	S 27
S 28	8 26 36	7°38'21	14°56	3° 6	23° 8	11°47	28° 1	16° 2	15° 9	20°29	14°D18	14°59	15°52	26°56	15°13	S 28
M29	8 30 32	8°39'13	26°55	4°48	23°55	12°29	27°54	15°57	15° 6	20°29	14°18	14°57	15°49	27° 3	15°16	M29
T 30	8 34 29	9°40'04	8♊47	6°30	24°44	13°11	27°47	15°52	15° 3	20°29	14°18	14°53	15°46	27° 9	15°19	T 30
W31	8 38 25	10♒40'53	20♊37	8♒13	25♐33	13♈52	27♌40	15♌47	15♌ 1	20♎28	14♉18	14♎46	15♎42	27♊16	15♓22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 6	14n53	2s32	22s51	0n21	17s16	4n46	3s12	0s27	12n23	1n 5	16n33	1n 6	16n42	0n43	6s24	1n42	1n43	15s 7	7s 6	6s48	18n38	2s17	4n21
T 2	23 1	16 56	3 23	23 4	0 14	17 12	4 51	2 54	0 25	12 25	1 5	16 34	1 7	16 42	0 43	6 24	1 42	1 44	15 7	7 4	6 47	18 37	2 16	4 21
W 3	22 55	18 15	4 4	23 16	0 6	17 9	4 55	2 37	0 24	12 26	1 6	16 35	1 7	16 43	0 43	6 25	1 42	1 44	15 7	7 0	6 46	18 37	2 16	4 20
T 4	22 50	18 46	4 35	23 27	0s 2	17 7	4 59	2 19	0 23	12 27	1 6	16 36	1 7	16 44	0 43	6 25	1 42	1 44	15 6	6 56	6 45	18 37	2 15	4 20
F 5	22 43	18 29	4 53	23 36	0 9	17 5	5 2	2 1	0 22	12 29	1 6	16 37	1 7	16 44	0 43	6 25	1 42	1 44	15 6	6 50	6 43	18 37	2 15	4 20
S 6	22 37	17 22	4 59	23 45	0 17	17 5	5 5	1 43	0 21	12 30	1 6	16 39	1 7	16 45	0 43	6 25	1 42	1 44	15 6	6 44	6 42	18 37	2 14	4 20
S 7	22 30	15 29	4 52	23 53	0 24	17 5	5 7	1 26	0 19	12 32	1 7	16 40	1 7	16 46	0 43	6 25	1 42	1 44	15 6	6 39	6 41	18 37	2 13	4 19
M 8	22 22	12 54	4 31	23 59	0 31	17 5	5 9	1 8	0 18	12 34	1 7	16 41	1 8	16 46	0 43	6 25	1 42	1 44	15 5	6 33	6 40	18 37	2 13	4 19
T 9	22 14	9 44	3 58	24 5	0 38	17 6	5 10	0 50	0 17	12 35	1 7	16 43	1 8	16 47	0 43	6 25	1 42	1 45	15 5	6 29	6 39	18 37	2 12	4 19
W10	22 5	6 7	3 13	24 9	0 44	17 8	5 12	0 32	0 16	12 37	1 7	16 44	1 8	16 48	0 43	6 26	1 42	1 45	15 5	6 26	6 37	18 37	2 11	4 19
T 11	21 56	2 10	2 17	24 12	0 51	17 10	5 12	0 15	0 15	12 39	1 8	16 46	1 8	16 48	0 43	6 26	1 42	1 45	15 4	6 24	6 36	18 37	2 11	4 18
F 12	21 47	1s57	1 14	24 13	0 57	17 13	5 13	0n 3	0 14	12 41	1 8	16 47	1 8	16 49	0 43	6 26	1 42	1 45	15 4	6 23	6 35	18 37	2 10	4 18
S 13	21 37	6 4	0 6	24 14	1 3	17 16	5 13	0 21	0 12	12 43	1 8	16 48	1 8	16 50	0 43	6 26	1 43	1 45	15 4	6 23	6 34	18 37	2 9	4 18
S 14	21 27	9 59	1n 5	24 12	1 9	17 20	5 13	0 38	0 11	12 45	1 8	16 50	1 8	16 50	0 43	6 26	1 43	1 46	15 3	6 23	6 32	18 37	2 8	4 18
M15	21 17	13 28	2 14	24 10	1 14	17 24	5 13	0 56	0 10	12 47	1 8	16 51	1 9	16 51	0 43	6 26	1 43	1 46	15 3	6 23	6 31	18 36	2 8	4 17
T 16	21 6	16 16	3 16	24 6	1 20	17 28	5 12	1 14	0 9	12 49	1 9	16 53	1 9	16 52	0 43	6 26	1 43	1 46	15 3	6 22	6 30	18 36	2 7	4 17
W17	20 54	18 5	4 8	24 1	1 25	17 33	5 11	1 31	0 8	12 51	1 9	16 54	1 9	16 53	0 43	6 26	1 43	1 46	15 2	6 20	6 29	18 36	2 6	4 17
T 18	20 42	18 43	4 43	23 55	1 29	17 38	5 10	1 49	0 7	12 54	1 9	16 56	1 9	16 53	0 43	6 26	1 43	1 47	15 2	6 16	6 28	18 36	2 5	4 17
F 19	20 30	18 1	5 0	23 47	1 34	17 43	5 8	2 7	0 6	12 56	1 9	16 57	1 9	16 54	0 43	6 26	1 43	1 47	15 2	6 12	6 26	18 36	2 4	4 16
S 20	20 18	16 4	4 55	23 37	1 38	17 48	5 6	2 24	0 5	12 58	1 10	16 59	1 9	16 55	0 43	6 26	1 43	1 47	15 1	6 8	6 25	18 36	2 3	4 16
S 21	20 5	13 2	4 31	23 26	1 42	17 53	5 4	2 42	0 4	13 0	1 10	17 0	1 10	16 56	0 43	6 26	1 43	1 47	15 1	6 4	6 24	18 36	2 2	4 16
M22	19 51	9 15	3 48	23 14	1 46	17 59	5 2	2 59	0 3	13 3	1 10	17 2	1 10	16 56	0 43	6 26	1 43	1 48	15 1	6 0	6 23	18 36	2 2	4 16
T 23	19 38	5 1	2 52	23 0	1 49	18 5	5 0	3 17	0 2	13 5	1 10	17 3	1 10	16 57	0 43	6 26	1 43	1 48	15 0	5 57	6 21	18 36	2 1	4 15
W24	19 23	0 40	1 48	22 45	1 52	18 10	4 57	3 34	0 1	13 8	1 10	17 5	1 10	16 58	0 43	6 26	1 43	1 48	15 0	5 55	6 20	18 35	2 0	4 15
T 25	19 9	3n34	0 40	22 28	1 55	18 16	4 55	3 51	0n 0	13 10	1 11	17 6	1 10	16 59	0 43	6 26	1 43	1 48	15 0	5 55	6 19	18 35	1 59	4 15
F 26	18 54	7 30	0s28	22 10	1 58	18 22	4 52	4 9	0 1	13 13	1 11	17 8	1 10	16 59	0 43	6 25	1 43	1 49	14 59	5 55	6 18	18 35	1 58	4 15
S 27	18 39	11 0	1 33	21 50	2 0	18 28	4 49	4 26	0 2	13 15	1 11	17 9	1 10	17 0	0 43	6 25	1 43	1 49	14 59	5 55	6 17	18 35	1 57	4 15
S 28	18 24	13 55	2 32	21 28	2 1	18 33	4 46	4 43	0 3	13 18	1 11	17 11	1 10	17 1	0 43	6 25	1 43	1 49	14 59	5 55	6 15	18 35	1 56	4 14
M29	18 8	16 12	3 24	21 5	2 3	18 39	4 42	5 0	0 4	13 20	1 11	17 12	1 11	17 2	0 43	6 25	1 44	1 50	14 58	5 54	6 14	18 35	1 55	4 14
T 30	17 52	17 46	4 6	20 41	2 4	18 44	4 39	5 17	0 5	13 23	1 11	17 14	1 11	17 3	0 43	6 25	1 44	1 50	14 58	5 52	6 13	18 35	1 54	4 14
W31	17s35	18n33	4s37	20s15	2s 4	18s50	4n35	5n35	0n 6	13n26	1n12	17n16	1n11	17n 3	0n43	6s25	1n44	1n50	14s58	5s50	6s12	18n35	1s52	4n14

Julian Day Number = 2314213.5, Delta T = 62.96 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'33, Lahiri = 18°36'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

FEBRUARY 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 42 22	11♒41'42	2♋28	9♒57	26♐23	14♈34	27°R32	15°R42	14°R58	20°R28	14♉18	14°R37	15♎39	27♊23	15♓26	T 1
F 2	8 46 19	12°42'28	14°25	11°42	27°14	15°16	27♌25	15♌38	14♌56	20♎28	14°18	14♎26	15°36	27°30	15°29	F 2
S 3	8 50 15	13°43'14	26°28	13°27	28° 5	15°57	27°17	15°33	14°53	20°27	14°18	14°14	15°33	27°36	15°32	S 3
S 4	8 54 12	14°43'58	8♌40	15°14	28°57	16°39	27°10	15°28	14°50	20°27	14°18	14° 2	15°30	27°43	15°36	S 4
M 5	8 58 8	15°44'40	21° 1	17° 1	29°50	17°20	27° 2	15°23	14°48	20°27	14°19	13°51	15°27	27°50	15°39	M 5
T 6	9 2 5	16°45'21	3♍32	18°48	0♏44	18° 2	26°55	15°18	14°45	20°26	14°19	13°42	15°23	27°57	15°42	T 6
W 7	9 6 1	17°46'01	16°13	20°37	1°38	18°43	26°47	15°13	14°42	20°25	14°19	13°36	15°20	28° 3	15°46	W 7
T 8	9 9 58	18°46'40	29° 5	22°26	2°33	19°25	26°39	15° 8	14°40	20°25	14°19	13°33	15°17	28°10	15°49	T 8
F 9	9 13 54	19°47'17	12♎ 8	24°15	3°28	20° 6	26°31	15° 3	14°37	20°24	14°19	13°D32	15°14	28°17	15°53	F 9
S 10	9 17 51	20°47'53	25°25	26° 6	4°24	20°48	26°24	14°59	14°35	20°24	14°20	13°32	15°11	28°23	15°56	S 10
S 11	9 21 48	21°48'28	8♏56	27°56	5°21	21°29	26°16	14°54	14°32	20°23	14°20	13°33	15° 7	28°30	16° 0	S 11
M12	9 25 44	22°49'02	22°43	29°47	6°18	22°11	26° 8	14°49	14°29	20°22	14°20	13°R34	15° 4	28°37	16° 3	M12
T 13	9 29 41	23°49'34	6♐46	1♓39	7°16	22°52	26° 0	14°44	14°27	20°22	14°21	13°33	15° 1	28°44	16° 7	T 13
W14	9 33 37	24°50'06	21° 5	3°30	8°14	23°33	25°52	14°39	14°24	20°21	14°21	13°30	14°58	28°50	16°10	W14
T 15	9 37 34	25°50'36	5♑38	5°21	9°12	24°15	25°44	14°35	14°22	20°20	14°21	13°26	14°55	28°57	16°14	T 15
F 16	9 41 30	26°51'04	20°20	7°12	10°11	24°56	25°36	14°30	14°19	20°19	14°22	13°19	14°52	29° 4	16°17	F 16
S 17	9 45 27	27°51'32	5♒ 3	9° 3	11°10	25°37	25°28	14°25	14°17	20°19	14°22	13°12	14°48	29°10	16°21	S 17
S 18	9 49 23	28°51'57	19°42	10°53	12°10	26°19	25°20	14°20	14°14	20°18	14°23	13° 4	14°45	29°17	16°25	S 18
M19	9 53 20	29°52'21	4♓ 7	12°41	13°10	27° 0	25°13	14°16	14°12	20°17	14°23	12°58	14°42	29°24	16°28	M19
T 20	9 57 17	0♓52'43	18°13	14°28	14°11	27°41	25° 5	14°11	14° 9	20°16	14°24	12°54	14°39	29°31	16°32	T 20
W21	10 1 13	1°53'04	1♈56	16°13	15°12	28°22	24°57	14° 7	14° 7	20°15	14°24	12°51	14°36	29°37	16°36	W21
T 22	10 5 10	2°53'22	15°14	17°55	16°13	29° 4	24°49	14° 2	14° 4	20°14	14°25	12°D51	14°33	29°44	16°39	T 22
F 23	10 9 6	3°53'39	28° 8	19°35	17°14	29°45	24°41	13°58	14° 2	20°13	14°25	12°52	14°29	29°51	16°43	F 23
S 24	10 13 3	4°53'53	10♉41	21°11	18°16	0♉26	24°34	13°53	13°59	20°12	14°26	12°53	14°26	29°57	16°47	S 24
S 25	10 16 59	5°54'06	22°56	22°43	19°18	1° 7	24°26	13°49	13°57	20°11	14°26	12°55	14°23	0♋ 4	16°50	S 25
M26	10 20 56	6°54'16	4♊58	24°11	20°21	1°48	24°18	13°45	13°55	20°10	14°27	12°R56	14°20	0°11	16°54	M26
T 27	10 24 52	7°54'25	16°53	25°33	21°24	2°29	24°11	13°40	13°52	20° 9	14°27	12°55	14°17	0°18	16°58	T 27
W28	10 28 49	8°54'31	28°45	26°50	22°27	3°10	24° 3	13°36	13°50	20° 8	14°28	12°53	14°13	0°24	17° 2	W28
T 29	10 32 46	9♓54'35	10♋38	28♓ 0	23♏30	3♉51	23♌56	13♌32	13♌48	20♎ 7	14♉29	12♎50	14♎10	0♋31	17♓ 5	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s19	18n31	4s56	19s47	2s 5	18s55	4n31	5n52	0n 7	13n28	1n12	17n17	1n11	17n 4	0n43	6s25	1n44	1n51	14s57	5s46	6s10	18n34	1s51	4n14
F 2	17 2	17 41	5 3	19 18	2 4	19 0	4 27	6 9	0 8	13 31	1 12	17 19	1 11	17 5	0 43	6 24	1 44	1 51	14 57	5 42	6 9	18 34	1 50	4 13
S 3	16 44	16 3	4 56	18 47	2 3	19 5	4 23	6 25	0 9	13 34	1 12	17 20	1 11	17 6	0 43	6 24	1 44	1 51	14 57	5 37	6 8	18 34	1 49	4 13
S 4	16 27	13 41	4 36	18 15	2 2	19 10	4 19	6 42	0 10	13 37	1 12	17 22	1 11	17 6	0 44	6 24	1 44	1 52	14 56	5 33	6 7	18 34	1 48	4 13
M 5	16 9	10 41	4 3	17 41	2 1	19 14	4 15	6 59	0 11	13 39	1 12	17 23	1 11	17 7	0 44	6 24	1 44	1 52	14 56	5 28	6 5	18 34	1 47	4 13
T 6	15 51	7 10	3 17	17 5	1 58	19 18	4 11	7 16	0 11	13 42	1 13	17 25	1 11	17 8	0 44	6 24	1 44	1 53	14 56	5 25	6 4	18 34	1 46	4 13
W 7	15 32	3 17	2 21	16 29	1 56	19 22	4 6	7 32	0 12	13 45	1 13	17 26	1 11	17 9	0 44	6 23	1 44	1 53	14 55	5 23	6 3	18 33	1 45	4 13
T 8	15 14	0s48	1 17	15 50	1 52	19 26	4 2	7 49	0 13	13 48	1 13	17 28	1 12	17 10	0 44	6 23	1 44	1 53	14 55	5 21	6 2	18 33	1 44	4 12
F 9	14 55	4 55	0 7	15 10	1 49	19 29	3 57	8 5	0 14	13 50	1 13	17 29	1 12	17 10	0 44	6 23	1 44	1 54	14 55	5 21	6 1	18 33	1 42	4 12
S 10	14 35	8 52	1n 3	14 29	1 44	19 32	3 53	8 22	0 15	13 53	1 13	17 31	1 12	17 11	0 44	6 22	1 44	1 54	14 54	5 21	5 59	18 33	1 41	4 12
S 11	14 16	12 25	2 12	13 46	1 39	19 35	3 48	8 38	0 16	13 56	1 13	17 33	1 12	17 12	0 44	6 22	1 44	1 54	14 54	5 22	5 58	18 33	1 40	4 12
M12	13 56	15 21	3 15	13 2	1 34	19 37	3 43	8 54	0 17	13 59	1 13	17 34	1 12	17 13	0 44	6 22	1 44	1 55	14 54	5 22	5 57	18 33	1 39	4 12
T 13	13 36	17 26	4 7	12 16	1 27	19 39	3 38	9 11	0 17	14 2	1 13	17 35	1 12	17 13	0 44	6 22	1 44	1 55	14 53	5 22	5 56	18 32	1 37	4 12
W14	13 16	18 27	4 45	11 30	1 21	19 41	3 33	9 27	0 18	14 4	1 13	17 37	1 12	17 14	0 44	6 21	1 44	1 56	14 53	5 20	5 54	18 32	1 36	4 11
T 15	12 56	18 17	5 5	10 42	1 13	19 42	3 28	9 43	0 19	14 7	1 14	17 38	1 12	17 15	0 44	6 21	1 44	1 56	14 53	5 19	5 53	18 32	1 35	4 11
F 16	12 35	16 55	5 5	9 53	1 5	19 43	3 23	9 59	0 20	14 10	1 14	17 40	1 12	17 16	0 44	6 21	1 45	1 57	14 52	5 16	5 52	18 32	1 34	4 11
S 17	12 14	14 25	4 46	9 3	0 56	19 43	3 18	10 15	0 21	14 13	1 14	17 41	1 12	17 16	0 44	6 20	1 45	1 57	14 52	5 13	5 51	18 32	1 32	4 11
S 18	11 53	11 1	4 8	8 13	0 46	19 43	3 13	10 30	0 21	14 15	1 14	17 43	1 12	17 17	0 44	6 20	1 45	1 57	14 52	5 10	5 49	18 31	1 31	4 11
M19	11 32	7 0	3 14	7 22	0 36	19 43	3 8	10 46	0 22	14 18	1 14	17 44	1 12	17 18	0 43	6 19	1 45	1 58	14 51	5 8	5 48	18 31	1 30	4 11
T 20	11 11	2 41	2 9	6 31	0 26	19 42	3 3	11 2	0 23	14 21	1 14	17 46	1 12	17 19	0 43	6 19	1 45	1 58	14 51	5 6	5 47	18 31	1 29	4 11
W21	10 49	1n40	0 59	5 40	0 14	19 40	2 58	11 17	0 24	14 24	1 14	17 47	1 12	17 19	0 43	6 19	1 45	1 59	14 51	5 5	5 46	18 31	1 27	4 11
T 22	10 28	5 49	0s13	4 49	0 2	19 39	2 53	11 32	0 24	14 26	1 14	17 48	1 13	17 20	0 43	6 18	1 45	1 59	14 50	5 5	5 45	18 31	1 26	4 10
F 23	10 6	9 33	1 22	3 58	0n10	19 36	2 47	11 48	0 25	14 29	1 14	17 50	1 13	17 21	0 43	6 18	1 45	2 0	14 50	5 5	5 43	18 30	1 25	4 10
S 24	9 44	12 45	2 26	3 9	0 23	19 34	2 42	12 3	0 26	14 32	1 14	17 51	1 13	17 21	0 43	6 17	1 45	2 0	14 50	5 6	5 42	18 30	1 23	4 10
S 25	9 22	15 18	3 21	2 20	0 37	19 30	2 37	12 18	0 26	14 34	1 14	17 52	1 13	17 22	0 43	6 17	1 45	2 0	14 50	5 7	5 41	18 30	1 22	4 10
M26	9 0	17 8	4 6	1 33	0 50	19 27	2 32	12 33	0 27	14 37	1 14	17 54	1 13	17 23	0 43	6 16	1 45	2 1	14 49	5 7	5 40	18 30	1 21	4 10
T 27	8 37	18 11	4 40	0 47	1 4	19 22	2 26	12 48	0 28	14 39	1 14	17 55	1 13	17 23	0 43	6 16	1 45	2 1	14 49	5 7	5 38	18 30	1 19	4 10
W28	8 15	18 26	5 2	0 4	1 19	19 18	2 21	13 2	0 29	14 42	1 14	17 56	1 13	17 24	0 43	6 16	1 45	2 2	14 49	5 6	5 37	18 29	1 18	4 10
T 29	7s52	17n53	5s12	0n37	1n33	19s12	2n16	13n17	0n29	14n44	1n14	17n57	1n13	17n25	0n43	6s15	1n45	2n 2	14s48	5s 5	5s36	18n29	1s17	4n10

Julian Day Number = 2314244.5, Delta T = 62.89 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'37, Lahiri = 18°36'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

MARCH 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 36 42	10♓54'37	22♋37	29♓ 4	24♉34	4♉32	23°R49	13°R28	13°R45	20°R 5	14♉29	12°R45	14♎ 7	0♋38	17♓ 9	F 1
S 2	10 40 39	11°54'37	4♌45	29°59	25°38	5°13	23♌42	13♌24	13♌43	20♎ 4	14°30	12♎40	14° 4	0°44	17°13	S 2
S 3	10 44 35	12°54'35	17° 5	0♈48	26°42	5°54	23°34	13°20	13°41	20° 3	14°31	12°34	14° 1	0°51	17°16	S 3
M 4	10 48 32	13°54'30	29°38	1°29	27°46	6°35	23°27	13°16	13°39	20° 2	14°32	12°29	13°58	0°58	17°20	M 4
T 5	10 52 28	14°54'24	12♍26	2° 0	28°51	7°16	23°20	13°12	13°37	20° 1	14°32	12°25	13°54	1° 5	17°24	T 5
W 6	10 56 25	15°54'16	25°27	2°23	29°56	7°57	23°14	13° 9	13°35	19°59	14°33	12°23	13°51	1°11	17°28	W 6
T 7	11 0 21	16°54'06	8♎42	2°38	1♒ 1	8°37	23° 7	13° 5	13°32	19°58	14°34	12°D22	13°48	1°18	17°32	T 7
F 8	11 4 18	17°53'53	22° 9	2°R44	2° 6	9°18	23° 0	13° 2	13°30	19°57	14°35	12°22	13°45	1°25	17°35	F 8
S 9	11 8 15	18°53'40	5♏47	2°41	3°11	9°59	22°54	12°58	13°28	19°55	14°35	12°23	13°42	1°31	17°39	S 9
S 10	11 12 11	19°53'24	19°36	2°30	4°17	10°40	22°47	12°55	13°26	19°54	14°36	12°25	13°38	1°38	17°43	S 10
M11	11 16 8	20°53'07	3♐34	2°10	5°23	11°20	22°41	12°51	13°25	19°53	14°37	12°26	13°35	1°45	17°47	M11
T 12	11 20 4	21°52'48	17°39	1°44	6°29	12° 1	22°35	12°48	13°23	19°51	14°38	12°R27	13°32	1°52	17°50	T 12
W13	11 24 1	22°52'27	1♑51	1°11	7°35	12°42	22°29	12°45	13°21	19°50	14°39	12°27	13°29	1°58	17°54	W13
T 14	11 27 57	23°52'05	16° 7	0°32	8°42	13°22	22°23	12°42	13°19	19°48	14°40	12°26	13°26	2° 5	17°58	T 14
F 15	11 31 54	24°51'41	0♒25	29♓47	9°48	14° 3	22°17	12°39	13°17	19°47	14°41	12°24	13°23	2°12	18° 2	F 15
S 16	11 35 50	25°51'15	14°40	28°59	10°55	14°43	22°12	12°36	13°15	19°45	14°42	12°22	13°19	2°19	18° 5	S 16
S 17	11 39 47	26°50'47	28°48	28° 8	12° 2	15°24	22° 6	12°33	13°14	19°44	14°43	12°19	13°16	2°25	18° 9	S 17
M18	11 43 43	27°50'17	12♓46	27°16	13° 9	16° 5	22° 1	12°30	13°12	19°42	14°44	12°18	13°13	2°32	18°13	M18
T 19	11 47 40	28°49'45	26°30	26°23	14°16	16°45	21°56	12°28	13°10	19°41	14°45	12°16	13°10	2°39	18°16	T 19
W20	11 51 37	29°49'11	9♈57	25°30	15°24	17°26	21°51	12°25	13° 9	19°39	14°45	12°D16	13° 7	2°45	18°20	W20
T 21	11 55 33	0♈48'35	23° 5	24°38	16°31	18° 6	21°46	12°23	13° 7	19°38	14°47	12°16	13° 4	2°52	18°24	T 21
F 22	11 59 30	1°47'57	5♉55	23°50	17°39	18°46	21°41	12°21	13° 6	19°36	14°48	12°17	13° 0	2°59	18°28	F 22
S 23	12 3 26	2°47'17	18°26	23° 4	18°46	19°27	21°37	12°18	13° 4	19°35	14°49	12°18	12°57	3° 6	18°31	S 23
S 24	12 7 23	3°46'34	0♊43	22°22	19°54	20° 7	21°33	12°16	13° 3	19°33	14°50	12°19	12°54	3°12	18°35	S 24
M25	12 11 19	4°45'50	12°47	21°45	21° 2	20°47	21°28	12°14	13° 2	19°32	14°51	12°20	12°51	3°19	18°39	M25
T 26	12 15 16	5°45'03	24°44	21°13	22°10	21°28	21°24	12°12	13° 0	19°30	14°52	12°20	12°48	3°26	18°42	T 26
W27	12 19 12	6°44'13	6♋37	20°46	23°19	22° 8	21°21	12°10	12°59	19°29	14°53	12°R20	12°44	3°32	18°46	W27
T 28	12 23 9	7°43'21	18°31	20°25	24°27	22°48	21°17	12° 9	12°58	19°27	14°54	12°20	12°41	3°39	18°49	T 28
F 29	12 27 6	8°42'27	0♌31	20° 9	25°35	23°28	21°13	12° 7	12°57	19°25	14°55	12°20	12°38	3°46	18°53	F 29
S 30	12 31 2	9°41'31	12°41	19°59	26°44	24° 9	21°10	12° 6	12°56	19°24	14°56	12°19	12°35	3°53	18°57	S 30
S 31	12 34 59	10♈40'32	25♌ 5	19°D55	27♒53	24♉49	21♌ 7	12♌ 4	12♌55	19♎22	14♉57	12♎19	12♎32	3♋59	19♓ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s29	16n32	5s 7	1n15	1n47	19s 7	2n11	13n32	0n30	14n47	1n14	17n58	1n13	17n25	0n43	6s15	1n45	2n 3	14s48	5s 3	5s35	18n29	1s15	4n10
S 2	7 7	14 26	4 49	1 50	2 0	19 0	2 5	13 46	0 31	14 49	1 14	18 0	1 13	17 26	0 43	6 14	1 45	2 3	14 48	5 1	5 33	18 29	1 14	4 10
S 3	6 44	11 39	4 17	2 22	2 14	18 54	2 0	14 0	0 31	14 51	1 14	18 1	1 13	17 27	0 43	6 14	1 45	2 4	14 47	4 58	5 32	18 28	1 12	4 9
M 4	6 21	8 18	3 33	2 50	2 27	18 46	1 55	14 14	0 32	14 54	1 14	18 2	1 13	17 27	0 43	6 13	1 45	2 4	14 47	4 57	5 31	18 28	1 11	4 9
T 5	5 57	4 30	2 37	3 14	2 39	18 39	1 50	14 28	0 32	14 56	1 14	18 3	1 13	17 28	0 43	6 13	1 45	2 5	14 47	4 55	5 30	18 28	1 10	4 9
W 6	5 34	0 25	1 32	3 34	2 51	18 30	1 44	14 42	0 33	14 58	1 14	18 4	1 13	17 28	0 43	6 12	1 45	2 5	14 47	4 54	5 29	18 28	1 8	4 9
T 7	5 11	3s46	0 20	3 49	3 1	18 22	1 39	14 56	0 34	15 0	1 14	18 5	1 13	17 29	0 43	6 12	1 45	2 6	14 46	4 54	5 27	18 27	1 7	4 9
F 8	4 48	7 49	0n54	4 0	3 10	18 12	1 34	15 10	0 34	15 3	1 14	18 6	1 13	17 30	0 43	6 11	1 46	2 6	14 46	4 54	5 26	18 27	1 5	4 9
S 9	4 24	11 30	2 5	4 6	3 18	18 2	1 29	15 23	0 35	15 5	1 14	18 7	1 13	17 30	0 43	6 11	1 46	2 7	14 46	4 54	5 25	18 27	1 4	4 9
S 10	4 1	14 36	3 11	4 8	3 25	17 52	1 24	15 37	0 36	15 7	1 14	18 8	1 13	17 31	0 43	6 10	1 46	2 7	14 45	4 55	5 24	18 27	1 3	4 9
M11	3 37	16 53	4 6	4 4	3 30	17 41	1 19	15 50	0 36	15 9	1 14	18 9	1 13	17 31	0 43	6 9	1 46	2 8	14 45	4 55	5 22	18 26	1 1	4 9
T 12	3 14	18 10	4 46	3 57	3 33	17 30	1 14	16 3	0 37	15 11	1 14	18 10	1 13	17 32	0 43	6 9	1 46	2 8	14 45	4 56	5 21	18 26	1 0	4 9
W13	2 50	18 19	5 10	3 45	3 35	17 18	1 9	16 16	0 37	15 13	1 14	18 11	1 13	17 32	0 43	6 8	1 46	2 9	14 45	4 56	5 20	18 26	0 58	4 9
T 14	2 26	17 18	5 15	3 29	3 34	17 6	1 4	16 29	0 38	15 15	1 14	18 12	1 13	17 33	0 43	6 8	1 46	2 9	14 44	4 55	5 19	18 25	0 57	4 9
F 15	2 3	15 13	5 0	3 10	3 32	16 53	0 59	16 42	0 38	15 16	1 14	18 13	1 13	17 33	0 43	6 7	1 46	2 10	14 44	4 54	5 17	18 25	0 56	4 9
S 16	1 39	12 13	4 27	2 47	3 28	16 40	0 54	16 54	0 39	15 18	1 14	18 14	1 13	17 34	0 43	6 7	1 46	2 10	14 44	4 54	5 16	18 25	0 54	4 9
S 17	1 15	8 31	3 38	2 21	3 22	16 26	0 49	17 7	0 40	15 20	1 14	18 14	1 13	17 34	0 43	6 6	1 46	2 11	14 44	4 53	5 15	18 25	0 53	4 9
M18	0 52	4 23	2 36	1 53	3 14	16 12	0 44	17 19	0 40	15 22	1 14	18 15	1 13	17 35	0 43	6 5	1 46	2 11	14 43	4 52	5 14	18 24	0 51	4 9
T 19	0 28	0 5	1 26	1 23	3 5	15 57	0 39	17 31	0 41	15 23	1 14	18 16	1 13	17 35	0 43	6 5	1 46	2 12	14 43	4 52	5 12	18 24	0 50	4 9
W20	0 4	4n 9	0 13	0 52	2 54	15 42	0 35	17 43	0 41	15 25	1 14	18 17	1 13	17 35	0 43	6 4	1 46	2 12	14 43	4 51	5 11	18 24	0 48	4 9
T 21	0n19	8 4	1s 0	0 21	2 42	15 27	0 30	17 55	0 42	15 26	1 14	18 17	1 13	17 36	0 43	6 4	1 46	2 13	14 43	4 52	5 10	18 23	0 47	4 9
F 22	0 43	11 31	2 7	0s11	2 29	15 10	0 25	18 7	0 42	15 28	1 13	18 18	1 13	17 36	0 43	6 3	1 46	2 13	14 42	4 52	5 9	18 23	0 46	4 9
S 23	1 7	14 21	3 7	0 42	2 14	14 54	0 21	18 19	0 43	15 29	1 13	18 18	1 13	17 37	0 43	6 2	1 46	2 14	14 42	4 52	5 7	18 23	0 44	4 9
S 24	1 30	16 28	3 57	1 12	2 0	14 37	0 16	18 30	0 43	15 30	1 13	18 19	1 13	17 37	0 43	6 2	1 46	2 14	14 42	4 52	5 6	18 23	0 43	4 9
M25	1 54	17 49	4 36	1 41	1 44	14 20	0 12	18 41	0 44	15 32	1 13	18 20	1 13	17 37	0 43	6 1	1 46	2 15	14 42	4 53	5 5	18 22	0 41	4 9
T 26	2 17	18 21	5 2	2 8	1 28	14 2	0 7	18 52	0 44	15 33	1 13	18 20	1 13	17 38	0 43	6 1	1 46	2 15	14 42	4 53	5 4	18 22	0 40	4 9
W27	2 41	18 4	5 15	2 33	1 13	13 44	0 3	19 3	0 45	15 34	1 13	18 21	1 13	17 38	0 43	6 0	1 46	2 16	14 41	4 53	5 3	18 22	0 38	4 9
T 28	3 4	17 0	5 15	2 56	0 57	13 25	0s 1	19 14	0 45	15 35	1 13	18 21	1 13	17 38	0 43	5 59	1 46	2 16	14 41	4 53	5 1	18 21	0 37	4 9
F 29	3 28	15 10	5 1	3 17	0 41	13 6	0 5	19 25	0 46	15 36	1 13	18 22	1 13	17 39	0 43	5 59	1 46	2 17	14 41	4 53	5 0	18 21	0 36	4 9
S 30	3 51	12 39	4 34	3 35	0 26	12 47	0 10	19 35	0 46	15 37	1 13	18 22	1 13	17 39	0 43	5 58	1 46	2 17	14 41	4 53	4 59	18 21	0 34	4 9
S 31	4n14	9n32	3s53	3s50	0n11	12s27	0s14	19n46	0n47	15n38	1n13	18n22	1n13	17n39	0n43	5s58	1n46	2n18	14s40	4s53	4s58	18n20	0s33	4n 9

Julian Day Number = 2314273.5, Delta T = 62.82 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'41, Lahiri = 18°36'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

APRIL 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 38 55	11♈39'31	7♍45	19♓55	29♒ 1	25♉29	21°R 4	12°R 3	12°R54	19°R21	14♉58	12°R19	12♎29	4♋ 6	19♓ 4	M 1
T 2	12 42 52	12°38'28	20°45	20° 2	0♓10	26° 9	21♌ 1	12♌ 2	12♌53	19♎19	15° 0	12°D19	12°25	4°13	19° 7	T 2
W 3	12 46 48	13°37'23	4♎ 3	20°13	1°19	26°49	20°59	12° 1	12°52	19°17	15° 1	12♎19	12°22	4°20	19°11	W 3
T 4	12 50 45	14°36'15	17°40	20°30	2°28	27°29	20°56	12° 0	12°51	19°16	15° 2	12°R19	12°19	4°26	19°14	T 4
F 5	12 54 41	15°35'06	1♏34	20°51	3°37	28° 9	20°54	11°59	12°50	19°14	15° 3	12°19	12°16	4°33	19°18	F 5
S 6	12 58 38	16°33'54	15°41	21°17	4°46	28°49	20°52	11°58	12°49	19°12	15° 4	12°19	12°13	4°40	19°21	S 6
S 7	13 2 35	17°32'41	29°57	21°47	5°56	29°29	20°50	11°57	12°49	19°11	15° 6	12°18	12° 9	4°46	19°25	S 7
M 8	13 6 31	18°31'26	14♐17	22°21	7° 5	0♊ 9	20°49	11°57	12°48	19° 9	15° 7	12°17	12° 6	4°53	19°28	M 8
T 9	13 10 28	19°30'10	28°38	23° 0	8°15	0°49	20°47	11°56	12°48	19° 7	15° 8	12°17	12° 3	5° 0	19°31	T 9
W10	13 14 24	20°28'52	12♑56	23°42	9°24	1°29	20°46	11°56	12°47	19° 6	15° 9	12°16	12° 0	5° 7	19°35	W10
T 11	13 18 21	21°27'32	27° 7	24°28	10°34	2° 9	20°45	11°56	12°46	19° 4	15°11	12°D16	11°57	5°13	19°38	T 11
F 12	13 22 17	22°26'10	11♒10	25°17	11°43	2°48	20°44	11°55	12°46	19° 2	15°12	12°17	11°54	5°20	19°41	F 12
S 13	13 26 14	23°24'47	25° 4	26° 9	12°53	3°28	20°43	11°D55	12°46	19° 1	15°13	12°18	11°50	5°27	19°45	S 13
S 14	13 30 10	24°23'21	8♓46	27° 5	14° 3	4° 8	20°43	11°55	12°45	18°59	15°14	12°19	11°47	5°33	19°48	S 14
M15	13 34 7	25°21'55	22°16	28° 4	15°13	4°48	20°42	11°56	12°45	18°58	15°16	12°20	11°44	5°40	19°51	M15
T 16	13 38 3	26°20'26	5♈33	29° 5	16°23	5°27	20°D42	11°56	12°45	18°56	15°17	12°20	11°41	5°47	19°54	T 16
W17	13 42 0	27°18'56	18°37	0♈ 9	17°33	6° 7	20°42	11°56	12°45	18°54	15°18	12°R20	11°38	5°54	19°57	W17
T 18	13 45 57	28°17'23	1♉28	1°16	18°43	6°47	20°42	11°57	12°45	18°53	15°20	12°19	11°35	6° 0	20° 0	T 18
F 19	13 49 53	29°15'49	14° 5	2°25	19°53	7°27	20°43	11°57	12°44	18°51	15°21	12°18	11°31	6° 7	20° 4	F 19
S 20	13 53 50	0♉14'13	26°29	3°37	21° 3	8° 6	20°43	11°58	12°D44	18°49	15°22	12°15	11°28	6°14	20° 7	S 20
S 21	13 57 46	1°12'35	8♊41	4°51	22°14	8°46	20°44	11°59	12°45	18°48	15°23	12°12	11°25	6°21	20°10	S 21
M22	14 1 43	2°10'55	20°44	6° 8	23°24	9°25	20°45	12° 0	12°45	18°46	15°25	12° 9	11°22	6°27	20°13	M22
T 23	14 5 39	3° 9'13	2♋40	7°26	24°34	10° 5	20°46	12° 1	12°45	18°45	15°26	12° 7	11°19	6°34	20°16	T 23
W24	14 9 36	4° 7'29	14°33	8°47	25°45	10°44	20°47	12° 2	12°45	18°43	15°27	12° 4	11°15	6°41	20°19	W24
T 25	14 13 32	5° 5'43	26°26	10°10	26°55	11°24	20°49	12° 3	12°45	18°42	15°29	12° 3	11°12	6°47	20°22	T 25
F 26	14 17 29	6° 3'55	8♌25	11°35	28° 6	12° 3	20°50	12° 5	12°46	18°40	15°30	12°D 3	11° 9	6°54	20°24	F 26
S 27	14 21 26	7° 2'05	20°33	13° 2	29°16	12°43	20°52	12° 6	12°46	18°38	15°31	12° 3	11° 6	7° 1	20°27	S 27
S 28	14 25 22	8° 0'13	2♍56	14°31	0♈27	13°22	20°54	12° 8	12°46	18°37	15°33	12° 5	11° 3	7° 8	20°30	S 28
M29	14 29 19	8°58'19	15°38	16° 3	1°38	14° 2	20°57	12°10	12°47	18°35	15°34	12° 6	11° 0	7°14	20°33	M29
T 30	14 33 15	9♉56'23	28♍42	17♈36	2♈48	14♊41	20♌59	12♌11	12♌47	18♎34	15♉35	12♎ 8	10♎56	7♋21	20♓36	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n37	5n53	3s 0	4s 4	0s 4	12s 7	0s18	19n56	0n47	15n39	1n12	18n23	1n13	17n39	0n43	5s57	1n46	2n18	14s40	4s53	4s56	18n20	0s31	4n 9
T 2	5 0	1 53	1 57	4 14	0 18	11 46	0 21	20 6	0 48	15 40	1 12	18 23	1 13	17 40	0 43	5 56	1 46	2 19	14 40	4 53	4 55	18 20	0 30	4 9
W 3	5 23	2s19	0 46	4 22	0 32	11 25	0 25	20 16	0 48	15 40	1 12	18 23	1 13	17 40	0 43	5 56	1 46	2 19	14 40	4 53	4 54	18 19	0 29	4 9
T 4	5 46	6 30	0n30	4 28	0 45	11 4	0 29	20 25	0 48	15 41	1 12	18 23	1 13	17 40	0 43	5 55	1 46	2 20	14 40	4 53	4 53	18 19	0 27	4 9
F 5	6 9	10 24	1 45	4 31	0 57	10 42	0 33	20 35	0 49	15 42	1 12	18 24	1 13	17 40	0 43	5 54	1 46	2 20	14 40	4 53	4 51	18 19	0 26	4 9
S 6	6 31	13 47	2 55	4 31	1 9	10 21	0 36	20 44	0 49	15 42	1 12	18 24	1 13	17 41	0 43	5 54	1 46	2 21	14 39	4 52	4 50	18 18	0 24	4 9
S 7	6 54	16 21	3 54	4 30	1 20	9 58	0 40	20 53	0 50	15 43	1 12	18 24	1 13	17 41	0 43	5 53	1 46	2 21	14 39	4 52	4 49	18 18	0 23	4 9
M 8	7 16	17 55	4 40	4 26	1 31	9 36	0 43	21 2	0 50	15 43	1 12	18 24	1 12	17 41	0 42	5 52	1 46	2 22	14 39	4 52	4 48	18 18	0 22	4 9
T 9	7 39	18 21	5 8	4 19	1 40	9 13	0 47	21 11	0 51	15 43	1 11	18 24	1 12	17 41	0 42	5 52	1 46	2 22	14 39	4 52	4 46	18 17	0 20	4 9
W10	8 1	17 36	5 17	4 11	1 50	8 50	0 50	21 20	0 51	15 44	1 11	18 24	1 12	17 41	0 42	5 51	1 46	2 23	14 39	4 52	4 45	18 17	0 19	4 9
T 11	8 23	15 46	5 6	4 1	1 58	8 27	0 53	21 28	0 51	15 44	1 11	18 24	1 12	17 41	0 42	5 51	1 46	2 23	14 39	4 52	4 44	18 17	0 18	4 9
F 12	8 45	13 0	4 38	3 48	2 6	8 3	0 56	21 36	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 50	1 46	2 24	14 38	4 52	4 43	18 16	0 16	4 9
S 13	9 7	9 32	3 53	3 34	2 13	7 39	0 59	21 44	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 49	1 46	2 24	14 38	4 52	4 41	18 16	0 15	4 9
S 14	9 28	5 35	2 55	3 18	2 20	7 15	1 2	21 52	0 52	15 44	1 11	18 24	1 12	17 41	0 42	5 49	1 46	2 25	14 38	4 52	4 40	18 15	0 14	4 9
M15	9 50	1 24	1 49	3 0	2 25	6 50	1 5	22 0	0 53	15 44	1 11	18 24	1 12	17 41	0 42	5 48	1 46	2 25	14 38	4 53	4 39	18 15	0 12	4 9
T 16	10 11	2n47	0 37	2 40	2 31	6 26	1 8	22 8	0 53	15 44	1 11	18 24	1 12	17 42	0 42	5 48	1 46	2 25	14 38	4 53	4 38	18 15	0 11	4 9
W17	10 32	6 47	0s35	2 19	2 35	6 1	1 11	22 15	0 54	15 44	1 10	18 24	1 12	17 42	0 42	5 47	1 46	2 26	14 38	4 53	4 36	18 14	0 10	4 10
T 18	10 53	10 23	1 44	1 56	2 39	5 36	1 13	22 22	0 54	15 44	1 10	18 24	1 12	17 42	0 42	5 46	1 46	2 26	14 38	4 53	4 35	18 14	0 8	4 10
F 19	11 14	13 27	2 46	1 31	2 42	5 11	1 16	22 29	0 54	15 44	1 10	18 23	1 12	17 42	0 42	5 46	1 46	2 27	14 38	4 52	4 34	18 14	0 7	4 10
S 20	11 35	15 50	3 40	1 5	2 45	4 45	1 18	22 36	0 55	15 43	1 10	18 23	1 12	17 41	0 42	5 45	1 46	2 27	14 37	4 51	4 33	18 13	0 6	4 10
S 21	11 55	17 28	4 23	0 38	2 47	4 19	1 21	22 43	0 55	15 43	1 10	18 23	1 12	17 41	0 42	5 44	1 46	2 28	14 37	4 50	4 31	18 13	0 4	4 10
M22	12 15	18 17	4 53	0 9	2 49	3 54	1 23	22 49	0 55	15 42	1 10	18 23	1 12	17 41	0 42	5 44	1 46	2 28	14 37	4 49	4 30	18 12	0 3	4 10
T 23	12 35	18 17	5 10	0n22	2 50	3 28	1 25	22 55	0 56	15 42	1 10	18 22	1 12	17 41	0 42	5 43	1 46	2 29	14 37	4 48	4 29	18 12	0 2	4 10
W24	12 55	17 29	5 14	0 53	2 50	3 2	1 27	23 1	0 56	15 41	1 9	18 22	1 12	17 41	0 42	5 43	1 46	2 29	14 37	4 47	4 28	18 12	0 1	4 10
T 25	13 15	15 55	5 5	1 26	2 50	2 35	1 29	23 7	0 56	15 41	1 9	18 22	1 12	17 41	0 42	5 42	1 46	2 30	14 37	4 46	4 26	18 11	0n 1	4 10
F 26	13 34	13 39	4 42	2 0	2 49	2 9	1 31	23 13	0 57	15 40	1 9	18 21	1 12	17 41	0 42	5 42	1 46	2 30	14 37	4 46	4 25	18 11	0 2	4 10
S 27	13 53	10 46	4 6	2 35	2 47	1 43	1 33	23 18	0 57	15 39	1 9	18 21	1 12	17 41	0 42	5 41	1 46	2 30	14 37	4 47	4 24	18 10	0 3	4 10
S 28	14 12	7 21	3 19	3 12	2 45	1 16	1 35	23 24	0 57	15 39	1 9	18 20	1 12	17 41	0 42	5 40	1 46	2 31	14 37	4 47	4 23	18 10	0 4	4 11
M29	14 31	3 31	2 20	3 49	2 43	0 50	1 36	23 29	0 58	15 38	1 9	18 20	1 12	17 41	0 42	5 40	1 46	2 31	14 37	4 48	4 21	18 10	0 5	4 11
T 30	14n49	0s36	1s13	4n27	2s40	0s23	1s38	23n34	0n58	15n37	1n 9	18n19	1n12	17n40	0n42	5s39	1n46	2n32	14s37	4s48	4s20	18n 9	0n 6	4n11

Julian Day Number = 2314304.5, Delta T = 62.75 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'45, Lahiri = 18°36'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

MAY 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 37 12	10♉54'25	12♎10	19♈11	3♈59	15♊20	21♌ 2	12♌13	12♌48	18°R32	15♉37	12°R 8	10♎53	7♋28	20♓38	W 1
T 2	14 41 8	11°52'25	26° 2	20°48	5°10	16° 0	21° 4	12°15	12°49	18♎31	15°38	12♎ 8	10°50	7°34	20°41	T 2
F 3	14 45 5	12°50'24	10♏17	22°27	6°21	16°39	21° 7	12°17	12°49	18°29	15°40	12° 6	10°47	7°41	20°43	F 3
S 4	14 49 1	13°48'21	24°49	24° 8	7°32	17°18	21°10	12°19	12°50	18°28	15°41	12° 2	10°44	7°48	20°46	S 4
S 5	14 52 58	14°46'17	9♐33	25°51	8°42	17°57	21°13	12°22	12°51	18°27	15°42	11°58	10°41	7°55	20°49	S 5
M 6	14 56 55	15°44'11	24°20	27°36	9°53	18°37	21°17	12°24	12°52	18°25	15°44	11°53	10°37	8° 1	20°51	M 6
T 7	15 0 51	16°42'04	9♑ 4	29°23	11° 4	19°16	21°20	12°27	12°53	18°24	15°45	11°48	10°34	8° 8	20°54	T 7
W 8	15 4 48	17°39'55	23°38	1♉12	12°15	19°55	21°24	12°29	12°54	18°22	15°46	11°45	10°31	8°15	20°56	W 8
T 9	15 8 44	18°37'45	7♒57	3° 3	13°27	20°34	21°28	12°32	12°55	18°21	15°48	11°43	10°28	8°22	20°58	T 9
F 10	15 12 41	19°35'35	21°58	4°56	14°38	21°13	21°32	12°35	12°56	18°20	15°49	11°D43	10°25	8°28	21° 1	F 10
S 11	15 16 37	20°33'22	5♓41	6°50	15°49	21°52	21°36	12°38	12°57	18°18	15°50	11°43	10°21	8°35	21° 3	S 11
S 12	15 20 34	21°31'09	19° 7	8°47	17° 0	22°31	21°41	12°41	12°58	18°17	15°52	11°45	10°18	8°42	21° 5	S 12
M13	15 24 30	22°28'55	2♈16	10°46	18°11	23°11	21°45	12°44	12°59	18°16	15°53	11°46	10°15	8°48	21° 7	M13
T 14	15 28 27	23°26'39	15°12	12°46	19°23	23°50	21°50	12°47	13° 0	18°14	15°54	11°R46	10°12	8°55	21°10	T 14
W15	15 32 24	24°24'22	27°54	14°49	20°34	24°29	21°55	12°50	13° 2	18°13	15°56	11°45	10° 9	9° 2	21°12	W15
T 16	15 36 20	25°22'04	10♉26	16°53	21°45	25° 8	22° 0	12°53	13° 3	18°12	15°57	11°42	10° 6	9° 9	21°14	T 16
F 17	15 40 17	26°19'45	22°48	18°58	22°57	25°47	22° 5	12°57	13° 4	18°11	15°58	11°36	10° 2	9°15	21°16	F 17
S 18	15 44 13	27°17'25	5♊ 1	21° 5	24° 8	26°26	22°11	13° 0	13° 6	18° 9	16° 0	11°29	9°59	9°22	21°18	S 18
S 19	15 48 10	28°15'03	17° 6	23°14	25°19	27° 5	22°16	13° 4	13° 7	18° 8	16° 1	11°21	9°56	9°29	21°20	S 19
M20	15 52 6	29°12'40	29° 4	25°23	26°31	27°43	22°22	13° 8	13° 9	18° 7	16° 2	11°12	9°53	9°36	21°22	M20
T 21	15 56 3	0♊10'16	10♋58	27°34	27°42	28°22	22°27	13°12	13°11	18° 6	16° 4	11° 3	9°50	9°42	21°23	T 21
W22	15 59 59	1° 7'50	22°49	29°45	28°54	29° 1	22°33	13°15	13°12	18° 5	16° 5	10°56	9°46	9°49	21°25	W22
T 23	16 3 56	2° 5'24	4♌42	1♊57	0♉ 6	29°40	22°39	13°19	13°14	18° 4	16° 6	10°50	9°43	9°56	21°27	T 23
F 24	16 7 53	3° 2'55	16°39	4° 9	1°17	0♋19	22°46	13°23	13°16	18° 3	16° 8	10°46	9°40	10° 2	21°29	F 24
S 25	16 11 49	4° 0'25	28°45	6°21	2°29	0°58	22°52	13°28	13°18	18° 2	16° 9	10°D45	9°37	10° 9	21°30	S 25
S 26	16 15 46	4°57'54	11♍ 4	8°32	3°40	1°37	22°59	13°32	13°19	18° 1	16°10	10°45	9°34	10°16	21°32	S 26
M27	16 19 42	5°55'22	23°43	10°43	4°52	2°15	23° 5	13°36	13°21	18° 0	16°12	10°46	9°31	10°23	21°33	M27
T 28	16 23 39	6°52'48	6♎44	12°53	6° 4	2°54	23°12	13°41	13°23	17°59	16°13	10°R46	9°27	10°29	21°35	T 28
W29	16 27 35	7°50'13	20°12	15° 2	7°15	3°33	23°19	13°45	13°25	17°58	16°14	10°46	9°24	10°36	21°36	W29
T 30	16 31 32	8°47'37	4♏ 9	17°10	8°27	4°12	23°26	13°50	13°27	17°57	16°15	10°44	9°21	10°43	21°38	T 30
F 31	16 35 28	9♊45'00	18♏33	19♊16	9♉39	4♋50	23♌33	13♌54	13♌29	17♎56	16♉17	10♎40	9♎18	10♋49	21♓39	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15n 8	4s49	0n 0	5n 7	2s36	0n 4	1s39	23n38	0n58	15n36	1n 8	18n19	1n11	17n40	0n42	5s39	1n46	2n32	14s37	4s48	4s19	18n 9	0n 8	4n11
T 2	15 26	8 54	1 15	5 47	2 32	0 31	1 41	23 43	0 58	15 35	1 8	18 18	1 11	17 40	0 42	5 38	1 46	2 33	14 37	4 48	4 18	18 8	0 9	4 11
F 3	15 43	12 35	2 28	6 28	2 27	0 58	1 42	23 47	0 59	15 34	1 8	18 17	1 11	17 40	0 42	5 38	1 46	2 33	14 37	4 47	4 17	18 8	0 10	4 11
S 4	16 1	15 35	3 32	7 11	2 22	1 25	1 43	23 51	0 59	15 33	1 8	18 17	1 11	17 39	0 42	5 37	1 46	2 33	14 36	4 46	4 15	18 8	0 11	4 11
S 5	16 18	17 35	4 23	7 53	2 16	1 52	1 44	23 55	0 59	15 31	1 8	18 16	1 11	17 39	0 42	5 37	1 46	2 34	14 36	4 44	4 14	18 7	0 12	4 11
M 6	16 35	18 25	4 57	8 37	2 10	2 19	1 45	23 59	1 0	15 30	1 8	18 15	1 11	17 39	0 42	5 36	1 46	2 34	14 36	4 42	4 13	18 7	0 13	4 12
T 7	16 52	18 0	5 11	9 21	2 3	2 46	1 46	24 3	1 0	15 29	1 8	18 14	1 11	17 39	0 42	5 36	1 46	2 35	14 36	4 41	4 12	18 6	0 14	4 12
W 8	17 8	16 24	5 5	10 6	1 56	3 13	1 47	24 6	1 0	15 28	1 7	18 14	1 11	17 38	0 41	5 35	1 46	2 35	14 36	4 39	4 10	18 6	0 15	4 12
T 9	17 24	13 49	4 40	10 51	1 48	3 39	1 48	24 9	1 0	15 26	1 7	18 13	1 11	17 38	0 41	5 35	1 46	2 35	14 36	4 39	4 9	18 5	0 16	4 12
F 10	17 40	10 27	3 58	11 37	1 40	4 6	1 49	24 12	1 1	15 25	1 7	18 12	1 11	17 38	0 41	5 34	1 46	2 36	14 36	4 38	4 8	18 5	0 18	4 12
S 11	17 55	6 36	3 4	12 23	1 32	4 33	1 49	24 15	1 1	15 23	1 7	18 11	1 11	17 37	0 41	5 34	1 46	2 36	14 36	4 39	4 7	18 4	0 19	4 12
S 12	18 11	2 29	2 0	13 9	1 23	5 0	1 50	24 17	1 1	15 22	1 7	18 10	1 11	17 37	0 41	5 33	1 46	2 36	14 36	4 39	4 5	18 4	0 20	4 12
M13	18 26	1n41	0 51	13 55	1 13	5 27	1 50	24 20	1 1	15 20	1 7	18 9	1 11	17 37	0 41	5 33	1 46	2 37	14 36	4 40	4 4	18 4	0 21	4 12
T 14	18 40	5 43	0s19	14 41	1 4	5 54	1 50	24 22	1 2	15 18	1 7	18 8	1 11	17 36	0 41	5 32	1 46	2 37	14 36	4 40	4 3	18 3	0 22	4 13
W15	18 55	9 24	1 26	15 27	0 54	6 20	1 51	24 24	1 2	15 17	1 7	18 8	1 11	17 36	0 41	5 32	1 46	2 37	14 36	4 39	4 2	18 3	0 22	4 13
T 16	19 9	12 37	2 29	16 13	0 44	6 47	1 51	24 26	1 2	15 15	1 6	18 7	1 11	17 35	0 41	5 31	1 46	2 38	14 36	4 38	4 0	18 2	0 23	4 13
F 17	19 22	15 14	3 23	16 58	0 33	7 13	1 51	24 27	1 2	15 13	1 6	18 5	1 11	17 35	0 41	5 31	1 46	2 38	14 36	4 36	3 59	18 2	0 24	4 13
S 18	19 36	17 7	4 8	17 42	0 23	7 40	1 51	24 29	1 3	15 11	1 6	18 4	1 11	17 34	0 41	5 30	1 46	2 38	14 36	4 33	3 58	18 1	0 25	4 13
S 19	19 49	18 13	4 40	18 25	0 12	8 6	1 51	24 30	1 3	15 9	1 6	18 3	1 11	17 34	0 41	5 30	1 46	2 39	14 36	4 30	3 57	18 1	0 26	4 13
M20	20 1	18 29	5 0	19 7	0 2	8 32	1 51	24 31	1 3	15 7	1 6	18 2	1 11	17 34	0 41	5 30	1 46	2 39	14 37	4 26	3 55	18 0	0 27	4 14
T 21	20 14	17 56	5 7	19 48	0n 9	8 58	1 50	24 32	1 3	15 5	1 6	18 1	1 11	17 33	0 41	5 29	1 45	2 39	14 37	4 23	3 54	18 0	0 28	4 14
W22	20 26	16 37	5 0	20 27	0 19	9 23	1 50	24 32	1 3	15 3	1 6	18 0	1 11	17 33	0 41	5 29	1 45	2 40	14 37	4 20	3 53	17 59	0 29	4 14
T 23	20 37	14 35	4 41	21 5	0 30	9 49	1 50	24 33	1 4	15 1	1 5	17 59	1 11	17 32	0 41	5 28	1 45	2 40	14 37	4 18	3 52	17 59	0 30	4 14
F 24	20 48	11 55	4 9	21 40	0 40	10 14	1 49	24 33	1 4	14 59	1 5	17 58	1 11	17 32	0 41	5 28	1 45	2 40	14 37	4 16	3 50	17 58	0 30	4 14
S 25	20 59	8 43	3 26	22 13	0 49	10 39	1 49	24 33	1 4	14 57	1 5	17 56	1 11	17 31	0 41	5 28	1 45	2 41	14 37	4 16	3 49	17 58	0 31	4 14
S 26	21 10	5 5	2 32	22 44	0 59	11 4	1 48	24 33	1 4	14 55	1 5	17 55	1 10	17 30	0 41	5 27	1 45	2 41	14 37	4 16	3 48	17 57	0 32	4 15
M27	21 20	1 7	1 30	23 13	1 8	11 29	1 47	24 32	1 4	14 52	1 5	17 54	1 10	17 30	0 41	5 27	1 45	2 41	14 37	4 16	3 47	17 57	0 33	4 15
T 28	21 30	3s 1	0 22	23 39	1 16	11 54	1 46	24 32	1 5	14 50	1 5	17 53	1 10	17 29	0 41	5 27	1 45	2 41	14 37	4 16	3 45	17 56	0 33	4 15
W29	21 40	7 8	0n50	24 2	1 24	12 18	1 46	24 31	1 5	14 48	1 5	17 51	1 10	17 29	0 41	5 26	1 45	2 42	14 37	4 16	3 44	17 56	0 34	4 15
T 30	21 49	11 1	2 2	24 22	1 31	12 42	1 45	24 30	1 5	14 45	1 5	17 50	1 10	17 28	0 41	5 26	1 45	2 42	14 37	4 15	3 43	17 55	0 35	4 15
F 31	21n57	14s22	3n 8	24n40	1n37	13n 6	1s44	24n29	1n 5	14n43	1n 5	17n49	1n10	17n27	0n41	5s26	1n45	2n42	14s37	4s14	3s42	17n55	0n36	4n15

Julian Day Number = 2314334.5, Delta T = 62.67 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'49, Lahiri = 18°36'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

JUNE 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 39 25	10♊42'22	3♐20	21♊20	10♉51	5♋29	23♌40	13♌59	13♌31	17°R55	16♉18	10°R33	9♎15	10♋56	21♓40	S 1
S 2	16 43 22	11°39'43	18°23	23°23	12° 3	6° 8	23°48	14° 4	13°34	17♎54	16°19	10♎25	9°12	11° 3	21°42	S 2
M 3	16 47 18	12°37'04	3♑33	25°23	13°14	6°46	23°55	14° 9	13°36	17°54	16°20	10°16	9° 8	11°10	21°43	M 3
T 4	16 51 15	13°34'23	18°40	27°22	14°26	7°25	24° 3	14°13	13°38	17°53	16°22	10° 7	9° 5	11°16	21°44	T 4
W 5	16 55 11	14°31'42	3♒32	29°18	15°38	8° 4	24°11	14°18	13°40	17°52	16°23	10° 0	9° 2	11°23	21°45	W 5
T 6	16 59 8	15°29'01	18° 5	1♋12	16°50	8°42	24°19	14°24	13°43	17°51	16°24	9°55	8°59	11°30	21°46	T 6
F 7	17 3 4	16°26'19	2♓14	3° 3	18° 2	9°21	24°27	14°29	13°45	17°51	16°25	9°52	8°56	11°37	21°47	F 7
S 8	17 7 1	17°23'36	15°57	4°52	19°14	9°59	24°35	14°34	13°47	17°50	16°27	9°D51	8°52	11°43	21°48	S 8
S 9	17 10 57	18°20'54	29°17	6°39	20°26	10°38	24°43	14°39	13°50	17°49	16°28	9°52	8°49	11°50	21°49	S 9
M10	17 14 54	19°18'10	12♈17	8°23	21°38	11°17	24°51	14°45	13°52	17°49	16°29	9°R52	8°46	11°57	21°50	M10
T 11	17 18 51	20°15'27	24°59	10° 5	22°50	11°55	25° 0	14°50	13°55	17°48	16°30	9°51	8°43	12° 3	21°50	T 11
W12	17 22 47	21°12'43	7♉27	11°44	24° 3	12°34	25° 9	14°56	13°57	17°48	16°31	9°48	8°40	12°10	21°51	W12
T 13	17 26 44	22° 9'59	19°45	13°21	25°15	13°12	25°17	15° 1	14° 0	17°47	16°32	9°42	8°37	12°17	21°52	T 13
F 14	17 30 40	23° 7'15	1♊54	14°56	26°27	13°51	25°26	15° 7	14° 3	17°47	16°33	9°34	8°33	12°24	21°52	F 14
S 15	17 34 37	24° 4'31	13°56	16°28	27°39	14°29	25°35	15°12	14° 5	17°46	16°35	9°23	8°30	12°30	21°53	S 15
S 16	17 38 33	25° 1'46	25°54	17°57	28°51	15° 8	25°44	15°18	14° 8	17°46	16°36	9°10	8°27	12°37	21°53	S 16
M17	17 42 30	25°59'00	7♋48	19°24	0♊ 4	15°46	25°53	15°24	14°11	17°45	16°37	8°57	8°24	12°44	21°54	M17
T 18	17 46 26	26°56'14	19°40	20°48	1°16	16°25	26° 2	15°30	14°13	17°45	16°38	8°44	8°21	12°51	21°54	T 18
W19	17 50 23	27°53'28	1♌31	22°10	2°28	17° 3	26°12	15°36	14°16	17°45	16°39	8°32	8°18	12°57	21°54	W19
T 20	17 54 20	28°50'41	13°24	23°29	3°41	17°41	26°21	15°42	14°19	17°44	16°40	8°23	8°14	13° 4	21°55	T 20
F 21	17 58 16	29°47'54	25°22	24°45	4°53	18°20	26°31	15°48	14°22	17°44	16°41	8°16	8°11	13°11	21°55	F 21
S 22	18 2 13	0♋45'07	7♍28	25°59	6° 5	18°58	26°40	15°54	14°25	17°44	16°42	8°12	8° 8	13°17	21°55	S 22
S 23	18 6 9	1°42'19	19°46	27°10	7°18	19°37	26°50	16° 0	14°28	17°44	16°43	8°10	8° 5	13°24	21°55	S 23
M24	18 10 6	2°39'30	2♎21	28°18	8°30	20°15	27° 0	16° 6	14°31	17°44	16°44	8°10	8° 2	13°31	21°R55	M24
T 25	18 14 2	3°36'41	15°18	29°23	9°43	20°53	27°10	16°13	14°34	17°43	16°45	8°10	7°58	13°38	21°55	T 25
W26	18 17 59	4°33'52	28°41	0♌25	10°55	21°32	27°20	16°19	14°37	17°43	16°46	8° 9	7°55	13°44	21°55	W26
T 27	18 21 55	5°31'02	12♏32	1°24	12° 8	22°10	27°30	16°25	14°40	17°43	16°47	8° 6	7°52	13°51	21°55	T 27
F 28	18 25 52	6°28'12	26°53	2°19	13°20	22°48	27°40	16°32	14°43	17°43	16°48	8° 1	7°49	13°58	21°55	F 28
S 29	18 29 49	7°25'22	11♐41	3°11	14°33	23°27	27°50	16°38	14°46	17°D43	16°49	7°53	7°46	14° 4	21°55	S 29
S 30	18 33 45	8♋22'32	26♐49	4♌ 0	15♊45	24♋ 5	28♌ 1	16♌45	14♌49	17♎43	16♉50	7♎43	7♎43	14♋11	21♓54	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 6	16s54	4n 3	24n55	1n43	13n29	1s43	24n27	1n 5	14n40	1n 4	17n47	1n10	17n27	0n41	5s25	1n45	2n42	14s37	4s11	3s40	17n54	0n36	4n16
S 2	22 14	18 18	4 42	25 7	1 48	13 52	1 41	24 26	1 5	14 38	1 4	17 46	1 10	17 26	0 41	5 25	1 45	2 43	14 37	4 8	3 39	17 54	0 37	4 16
M 3	22 21	18 25	5 2	25 17	1 53	14 15	1 40	24 24	1 6	14 35	1 4	17 44	1 10	17 25	0 41	5 25	1 45	2 43	14 38	4 4	3 38	17 53	0 38	4 16
T 4	22 28	17 13	5 0	25 24	1 56	14 38	1 39	24 22	1 6	14 32	1 4	17 43	1 10	17 25	0 41	5 25	1 45	2 43	14 38	4 1	3 37	17 53	0 38	4 16
W 5	22 35	14 53	4 39	25 28	1 59	15 0	1 38	24 20	1 6	14 30	1 4	17 41	1 10	17 24	0 41	5 24	1 45	2 43	14 38	3 58	3 35	17 52	0 39	4 16
T 6	22 42	11 38	3 59	25 30	2 1	15 22	1 36	24 18	1 6	14 27	1 4	17 40	1 10	17 23	0 41	5 24	1 45	2 44	14 38	3 56	3 34	17 52	0 39	4 16
F 7	22 48	7 48	3 6	25 29	2 2	15 43	1 35	24 15	1 6	14 24	1 4	17 38	1 10	17 23	0 41	5 24	1 45	2 44	14 38	3 55	3 33	17 51	0 40	4 17
S 8	22 53	3 39	2 4	25 27	2 3	16 4	1 33	24 13	1 6	14 21	1 4	17 37	1 10	17 22	0 41	5 24	1 45	2 44	14 38	3 55	3 31	17 51	0 40	4 17
S 9	22 58	0n34	0 56	25 22	2 3	16 25	1 32	24 10	1 6	14 18	1 4	17 35	1 10	17 21	0 41	5 24	1 45	2 44	14 38	3 55	3 30	17 50	0 41	4 17
M10	23 3	4 40	0s13	25 15	2 2	16 46	1 30	24 7	1 7	14 15	1 3	17 34	1 10	17 21	0 41	5 23	1 45	2 44	14 38	3 55	3 29	17 50	0 41	4 17
T 11	23 8	8 27	1 19	25 6	2 0	17 6	1 28	24 3	1 7	14 12	1 3	17 32	1 10	17 20	0 40	5 23	1 45	2 45	14 39	3 54	3 28	17 49	0 42	4 17
W12	23 12	11 48	2 21	24 56	1 58	17 25	1 27	24 0	1 7	14 9	1 3	17 30	1 10	17 19	0 40	5 23	1 45	2 45	14 39	3 53	3 26	17 49	0 42	4 17
T 13	23 15	14 35	3 15	24 43	1 55	17 44	1 25	23 56	1 7	14 6	1 3	17 29	1 10	17 18	0 40	5 23	1 44	2 45	14 39	3 51	3 25	17 48	0 43	4 18
F 14	23 18	16 41	3 59	24 30	1 51	18 3	1 23	23 53	1 7	14 3	1 3	17 27	1 10	17 17	0 40	5 23	1 44	2 45	14 39	3 48	3 24	17 48	0 43	4 18
S 15	23 21	18 1	4 32	24 14	1 47	18 21	1 21	23 49	1 7	14 0	1 3	17 25	1 10	17 17	0 40	5 23	1 44	2 45	14 39	3 43	3 23	17 47	0 43	4 18
S 16	23 24	18 33	4 52	23 58	1 42	18 39	1 19	23 44	1 7	13 57	1 3	17 24	1 10	17 16	0 40	5 23	1 44	2 45	14 39	3 38	3 21	17 47	0 44	4 18
M17	23 25	18 16	5 0	23 40	1 36	18 57	1 17	23 40	1 7	13 54	1 3	17 22	1 10	17 15	0 40	5 22	1 44	2 45	14 39	3 33	3 20	17 46	0 44	4 18
T 18	23 27	17 10	4 55	23 21	1 30	19 14	1 15	23 36	1 8	13 51	1 3	17 20	1 10	17 14	0 40	5 22	1 44	2 46	14 40	3 28	3 19	17 45	0 44	4 19
W19	23 28	15 21	4 37	23 2	1 23	19 30	1 13	23 31	1 8	13 47	1 3	17 18	1 10	17 13	0 40	5 22	1 44	2 46	14 40	3 23	3 18	17 45	0 45	4 19
T 20	23 29	12 53	4 7	22 41	1 16	19 46	1 11	23 26	1 8	13 44	1 2	17 16	1 10	17 12	0 40	5 22	1 44	2 46	14 40	3 20	3 16	17 44	0 45	4 19
F 21	23 29	9 52	3 26	22 20	1 8	20 1	1 9	23 21	1 8	13 41	1 2	17 15	1 10	17 12	0 40	5 22	1 44	2 46	14 40	3 17	3 15	17 44	0 45	4 19
S 22	23 29	6 24	2 35	21 58	0 59	20 16	1 7	23 16	1 8	13 37	1 2	17 13	1 10	17 11	0 40	5 22	1 44	2 46	14 40	3 15	3 14	17 43	0 46	4 19
S 23	23 28	2 36	1 36	21 35	0 50	20 31	1 4	23 10	1 8	13 34	1 2	17 11	1 10	17 10	0 40	5 22	1 44	2 46	14 40	3 15	3 13	17 43	0 46	4 19
M24	23 28	1s24	0 31	21 12	0 40	20 44	1 2	23 5	1 8	13 30	1 2	17 9	1 10	17 9	0 40	5 22	1 44	2 46	14 41	3 15	3 11	17 42	0 46	4 20
T 25	23 26	5 27	0n38	20 49	0 30	20 58	1 0	22 59	1 8	13 27	1 2	17 7	1 10	17 8	0 40	5 22	1 44	2 46	14 41	3 15	3 10	17 42	0 46	4 20
W26	23 24	9 22	1 46	20 25	0 19	21 10	0 58	22 53	1 8	13 23	1 2	17 5	1 10	17 7	0 40	5 22	1 44	2 46	14 41	3 14	3 9	17 41	0 46	4 20
T 27	23 22	12 55	2 51	20 1	0 8	21 23	0 55	22 47	1 8	13 20	1 2	17 3	1 10	17 6	0 40	5 22	1 44	2 46	14 41	3 13	3 8	17 40	0 46	4 20
F 28	23 20	15 49	3 47	19 37	0s 4	21 34	0 53	22 41	1 8	13 16	1 2	17 1	1 10	17 5	0 40	5 22	1 44	2 46	14 41	3 11	3 6	17 40	0 46	4 20
S 29	23 17	17 46	4 30	19 14	0 16	21 45	0 50	22 34	1 9	13 13	1 2	16 59	1 10	17 4	0 40	5 22	1 44	2 47	14 42	3 8	3 5	17 39	0 47	4 21
S 30	23n13	18s32	4n55	18n50	0s28	21n56	0s48	22n28	1n 9	13n 9	1n 2	16n57	1n10	17n 3	0n40	5s22	1n44	2n47	14s42	3s 4	3s 4	17n39	0n47	4n21

Julian Day Number = 2314365.5, Delta T = 62.60 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'54, Lahiri = 18°36'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

JULY 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 37 42	9♋19'42	12♑ 9	4♌46	16♊58	24♋43	28♌11	16♌51	14♌53	17♎43	16♉51	7°R33	7♎39	14♋18	21°R54	M 1
T 2	18 41 38	10°16'52	27°27	5°27	18°11	25°22	28°22	16°58	14°56	17°43	16°52	7♎22	7°36	14°25	21♓54	T 2
W 3	18 45 35	11°14'02	12♒34	6° 5	19°23	26° 0	28°32	17° 5	14°59	17°44	16°52	7°13	7°33	14°31	21°53	W 3
T 4	18 49 31	12°11'13	27°20	6°39	20°36	26°38	28°43	17°11	15° 2	17°44	16°53	7° 7	7°30	14°38	21°53	T 4
F 5	18 53 28	13° 8'23	11♓39	7° 9	21°49	27°16	28°54	17°18	15° 6	17°44	16°54	7° 3	7°27	14°45	21°52	F 5
S 6	18 57 24	14° 5'35	25°30	7°34	23° 2	27°55	29° 4	17°25	15° 9	17°44	16°55	7° 1	7°24	14°52	21°52	S 6
S 7	19 1 21	15° 2'47	8♈53	7°55	24°15	28°33	29°15	17°32	15°12	17°44	16°56	7° 1	7°20	14°58	21°51	S 7
M 8	19 5 18	15°59'59	21°52	8°12	25°27	29°11	29°26	17°39	15°16	17°45	16°57	7° 1	7°17	15° 5	21°50	M 8
T 9	19 9 14	16°57'12	4♉30	8°24	26°40	29°49	29°37	17°46	15°19	17°45	16°57	7° 0	7°14	15°12	21°49	T 9
W10	19 13 11	17°54'26	16°52	8°32	27°53	0♌28	29°48	17°53	15°22	17°45	16°58	6°57	7°11	15°18	21°49	W10
T 11	19 17 7	18°51'40	29° 2	8°R34	29° 6	1° 6	29°59	18° 0	15°26	17°46	16°59	6°52	7° 8	15°25	21°48	T 11
F 12	19 21 4	19°48'55	11♊ 3	8°32	0♋19	1°44	0♍11	18° 7	15°29	17°46	17° 0	6°44	7° 4	15°32	21°47	F 12
S 13	19 25 0	20°46'11	22°59	8°25	1°32	2°22	0°22	18°14	15°33	17°46	17° 0	6°33	7° 1	15°39	21°46	S 13
S 14	19 28 57	21°43'27	4♋52	8°13	2°45	3° 0	0°33	18°21	15°36	17°47	17° 1	6°20	6°58	15°45	21°45	S 14
M15	19 32 53	22°40'44	16°44	7°56	3°58	3°39	0°45	18°28	15°40	17°47	17° 2	6° 7	6°55	15°52	21°44	M15
T 16	19 36 50	23°38'01	28°36	7°34	5°12	4°17	0°56	18°35	15°43	17°48	17° 2	5°54	6°52	15°59	21°43	T 16
W17	19 40 47	24°35'19	10♌30	7° 9	6°25	4°55	1° 8	18°42	15°47	17°49	17° 3	5°43	6°49	16° 5	21°41	W17
T 18	19 44 43	25°32'38	22°27	6°39	7°38	5°33	1°20	18°50	15°50	17°49	17° 3	5°34	6°45	16°12	21°40	T 18
F 19	19 48 40	26°29'57	4♍30	6° 5	8°51	6°11	1°31	18°57	15°54	17°50	17° 4	5°27	6°42	16°19	21°39	F 19
S 20	19 52 36	27°27'16	16°41	5°28	10° 4	6°50	1°43	19° 4	15°57	17°50	17° 5	5°23	6°39	16°26	21°38	S 20
S 21	19 56 33	28°24'36	29° 3	4°48	11°18	7°28	1°55	19°12	16° 1	17°51	17° 5	5°21	6°36	16°32	21°36	S 21
M22	20 0 29	29°21'56	11♎40	4° 6	12°31	8° 6	2° 7	19°19	16° 5	17°52	17° 6	5°D21	6°33	16°39	21°35	M22
T 23	20 4 26	0♌19'17	24°36	3°22	13°44	8°44	2°18	19°26	16° 8	17°53	17° 6	5°R22	6°30	16°46	21°33	T 23
W24	20 8 22	1°16'39	7♏54	2°38	14°57	9°22	2°30	19°34	16°12	17°53	17° 7	5°22	6°26	16°53	21°32	W24
T 25	20 12 19	2°14'01	21°38	1°54	16°11	10° 0	2°42	19°41	16°15	17°54	17° 7	5°20	6°23	16°59	21°30	T 25
F 26	20 16 16	3°11'23	5♐49	1°10	17°24	10°39	2°54	19°48	16°19	17°55	17° 8	5°17	6°20	17° 6	21°29	F 26
S 27	20 20 12	4° 8'47	20°26	0°28	18°38	11°17	3° 6	19°56	16°23	17°56	17° 8	5°11	6°17	17°13	21°27	S 27
S 28	20 24 9	5° 6'11	5♑24	29♋49	19°51	11°55	3°19	20° 3	16°26	17°57	17° 8	5° 3	6°14	17°19	21°25	S 28
M29	20 28 5	6° 3'35	20°36	29°13	21° 5	12°33	3°31	20°11	16°30	17°58	17° 9	4°54	6°10	17°26	21°24	M29
T 30	20 32 2	7° 1'01	5♒51	28°40	22°18	13°11	3°43	20°18	16°34	17°59	17° 9	4°46	6° 7	17°33	21°22	T 30
W31	20 35 58	7♌58'27	20♒59	28♋13	23♋32	13♌49	3♍55	20♌26	16♌37	18♎ 0	17♉10	4♎39	6♎ 4	17♋40	21♓20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n 9	17s58	4n59	18n27	0s41	22n 5	0s46	22n21	1n 9	13n 5	1n 2	16n55	1n10	17n 3	0n40	5s22	1n44	2n47	14s42	3s 0	3s 3	17n38	0n47	4n21
T 2	23 5	16 6	4 42	18 4	0 55	22 15	0 43	22 14	1 9	13 2	1 2	16 53	1 10	17 2	0 40	5 22	1 43	2 47	14 42	2 56	3 1	17 37	0 47	4 21
W 3	23 1	13 8	4 6	17 41	1 8	22 23	0 41	22 7	1 9	12 58	1 1	16 51	1 10	17 1	0 40	5 23	1 43	2 47	14 42	2 52	3 0	17 37	0 47	4 21
T 4	22 56	9 24	3 13	17 19	1 22	22 31	0 38	22 0	1 9	12 54	1 1	16 49	1 10	17 0	0 40	5 23	1 43	2 47	14 43	2 50	2 59	17 36	0 47	4 21
F 5	22 50	5 12	2 10	16 58	1 36	22 38	0 36	21 52	1 9	12 50	1 1	16 47	1 10	16 59	0 40	5 23	1 43	2 47	14 43	2 48	2 58	17 36	0 46	4 22
S 6	22 44	0 52	1 1	16 38	1 51	22 45	0 33	21 45	1 9	12 46	1 1	16 45	1 10	16 58	0 40	5 23	1 43	2 47	14 43	2 48	2 56	17 35	0 46	4 22
S 7	22 38	3n23	0s10	16 19	2 5	22 51	0 31	21 37	1 9	12 43	1 1	16 43	1 10	16 57	0 40	5 23	1 43	2 47	14 43	2 48	2 55	17 34	0 46	4 22
M 8	22 31	7 20	1 18	16 0	2 20	22 57	0 28	21 29	1 9	12 39	1 1	16 41	1 10	16 56	0 40	5 23	1 43	2 47	14 44	2 47	2 54	17 34	0 46	4 22
T 9	22 24	10 51	2 20	15 43	2 34	23 1	0 25	21 21	1 9	12 35	1 1	16 39	1 10	16 55	0 40	5 23	1 43	2 47	14 44	2 47	2 53	17 33	0 46	4 22
W10	22 17	13 48	3 14	15 27	2 48	23 5	0 23	21 13	1 9	12 31	1 1	16 37	1 10	16 54	0 40	5 24	1 43	2 47	14 44	2 46	2 51	17 33	0 46	4 22
T 11	22 9	16 6	3 58	15 13	3 3	23 9	0 20	21 5	1 9	12 27	1 1	16 35	1 10	16 53	0 40	5 24	1 43	2 47	14 44	2 44	2 50	17 32	0 46	4 23
F 12	22 1	17 40	4 32	15 0	3 17	23 11	0 18	20 56	1 9	12 23	1 1	16 33	1 10	16 52	0 40	5 24	1 43	2 47	14 45	2 41	2 49	17 31	0 45	4 23
S 13	21 53	18 26	4 52	14 49	3 30	23 14	0 15	20 48	1 9	12 19	1 1	16 30	1 10	16 51	0 40	5 24	1 43	2 46	14 45	2 36	2 48	17 31	0 45	4 23
S 14	21 44	18 23	5 1	14 39	3 43	23 15	0 12	20 39	1 9	12 15	1 1	16 28	1 10	16 49	0 40	5 24	1 43	2 46	14 45	2 31	2 46	17 30	0 45	4 23
M15	21 34	17 33	4 56	14 31	3 56	23 16	0 10	20 30	1 9	12 11	1 1	16 26	1 10	16 48	0 40	5 25	1 43	2 46	14 45	2 26	2 45	17 29	0 45	4 23
T 16	21 25	15 57	4 38	14 25	4 7	23 16	0 7	20 21	1 9	12 6	1 1	16 24	1 10	16 47	0 40	5 25	1 43	2 46	14 46	2 21	2 44	17 29	0 44	4 23
W17	21 15	13 40	4 8	14 22	4 18	23 15	0 5	20 12	1 9	12 2	1 1	16 22	1 10	16 46	0 40	5 25	1 43	2 46	14 46	2 16	2 43	17 28	0 44	4 24
T 18	21 4	10 47	3 27	14 20	4 28	23 14	0 2	20 2	1 9	11 58	1 1	16 19	1 10	16 45	0 40	5 25	1 43	2 46	14 46	2 13	2 41	17 28	0 44	4 24
F 19	20 54	7 27	2 36	14 20	4 36	23 12	0n 0	19 53	1 9	11 54	1 1	16 17	1 10	16 44	0 40	5 26	1 43	2 46	14 46	2 10	2 40	17 27	0 43	4 24
S 20	20 43	3 46	1 38	14 22	4 43	23 9	0 3	19 43	1 9	11 50	1 1	16 15	1 10	16 43	0 40	5 26	1 43	2 46	14 47	2 9	2 39	17 26	0 43	4 24
S 21	20 31	0s 8	0 34	14 26	4 49	23 6	0 5	19 33	1 9	11 45	1 0	16 13	1 10	16 42	0 40	5 26	1 42	2 46	14 47	2 8	2 37	17 26	0 43	4 24
M22	20 19	4 6	0n34	14 31	4 53	23 2	0 8	19 24	1 9	11 41	1 0	16 10	1 10	16 41	0 40	5 27	1 42	2 46	14 47	2 8	2 36	17 25	0 42	4 24
T 23	20 7	7 59	1 41	14 39	4 55	22 57	0 10	19 14	1 9	11 37	1 0	16 8	1 10	16 40	0 40	5 27	1 42	2 46	14 47	2 8	2 35	17 24	0 42	4 24
W24	19 55	11 35	2 44	14 48	4 56	22 52	0 13	19 3	1 9	11 32	1 0	16 6	1 10	16 39	0 40	5 27	1 42	2 45	14 48	2 8	2 34	17 24	0 41	4 25
T 25	19 42	14 39	3 41	14 59	4 54	22 45	0 15	18 53	1 9	11 28	1 0	16 3	1 10	16 38	0 40	5 28	1 42	2 45	14 48	2 7	2 32	17 23	0 41	4 25
F 26	19 29	16 58	4 26	15 12	4 51	22 39	0 18	18 43	1 9	11 24	1 0	16 1	1 11	16 37	0 40	5 28	1 42	2 45	14 48	2 6	2 31	17 22	0 40	4 25
S 27	19 15	18 15	4 55	15 25	4 47	22 31	0 20	18 32	1 9	11 19	1 0	15 59	1 11	16 35	0 40	5 28	1 42	2 45	14 48	2 4	2 30	17 22	0 40	4 25
S 28	19 2	18 18	5 4	15 40	4 40	22 23	0 23	18 22	1 9	11 15	1 0	15 56	1 11	16 34	0 40	5 29	1 42	2 45	14 49	2 1	2 29	17 21	0 39	4 25
M29	18 48	17 4	4 53	15 55	4 32	22 15	0 25	18 11	1 9	11 10	1 0	15 54	1 11	16 33	0 40	5 29	1 42	2 45	14 49	1 57	2 27	17 20	0 39	4 25
T 30	18 33	14 37	4 21	16 11	4 22	22 5	0 27	18 0	1 9	11 6	1 0	15 52	1 11	16 32	0 40	5 30	1 42	2 45	14 49	1 54	2 26	17 20	0 38	4 25
W31	18n19	11s12	3n31	16n27	4s11	21n55	0n30	17n49	1n 9	11n 1	1n 0	15n49	1n11	16n31	0n40	5s30	1n42	2n44	14s50	1s51	2s25	17n19	0n37	4n25

Julian Day Number = 2314395.5, Delta T = 62.53 sec
Ecliptic obliquity = 23°29'07, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°29'58, Lahiri = 18°36'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

AUGUST 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 39 55	8♌55'55	5♓49	27°R50	24♋45	14♌28	4♍ 8	20♌33	16♌41	18♎ 1	17♉10	4°R34	6♎ 1	17♋46	21°R18	T 1
F 2	20 43 51	9°53'24	20°15	27♋33	25°59	15° 6	4°20	20°41	16°45	18° 2	17°10	4♎31	5°58	17°53	21♓16	F 2
S 3	20 47 48	10°50'54	4♈13	27°22	27°13	15°44	4°32	20°49	16°49	18° 3	17°11	4°D30	5°55	18° 0	21°14	S 3
S 4	20 51 45	11°48'25	17°43	27°D18	28°26	16°22	4°45	20°56	16°52	18° 4	17°11	4°31	5°51	18° 6	21°12	S 4
M 5	20 55 41	12°45'58	0♉46	27°20	29°40	17° 0	4°57	21° 4	16°56	18° 5	17°11	4°32	5°48	18°13	21°10	M 5
T 6	20 59 38	13°43'32	13°27	27°30	0♌54	17°38	5°10	21°11	17° 0	18° 6	17°11	4°R32	5°45	18°20	21° 8	T 6
W 7	21 3 34	14°41'08	25°49	27°46	2° 8	18°16	5°22	21°19	17° 3	18° 8	17°11	4°31	5°42	18°27	21° 6	W 7
T 8	21 7 31	15°38'45	7♊57	28°10	3°21	18°55	5°35	21°27	17° 7	18° 9	17°12	4°29	5°39	18°33	21° 4	T 8
F 9	21 11 27	16°36'24	19°56	28°40	4°35	19°33	5°47	21°34	17°11	18°10	17°12	4°24	5°36	18°40	21° 2	F 9
S 10	21 15 24	17°34'05	1♋50	29°18	5°49	20°11	6° 0	21°42	17°15	18°11	17°12	4°18	5°32	18°47	20°59	S 10
S 11	21 19 20	18°31'46	13°41	0♌ 3	7° 3	20°49	6°13	21°50	17°18	18°13	17°12	4°10	5°29	18°54	20°57	S 11
M12	21 23 17	19°29'30	25°33	0°55	8°17	21°27	6°25	21°57	17°22	18°14	17°12	4° 2	5°26	19° 0	20°55	M12
T 13	21 27 14	20°27'14	7♌28	1°53	9°31	22° 5	6°38	22° 5	17°26	18°15	17°12	3°53	5°23	19° 7	20°53	T 13
W14	21 31 10	21°25'00	19°28	2°58	10°45	22°44	6°51	22°12	17°30	18°17	17°12	3°46	5°20	19°14	20°50	W14
T 15	21 35 7	22°22'48	1♍34	4° 9	11°59	23°22	7° 3	22°20	17°33	18°18	17°12	3°40	5°16	19°20	20°48	T 15
F 16	21 39 3	23°20'37	13°48	5°26	13°13	24° 0	7°16	22°28	17°37	18°20	17°12	3°36	5°13	19°27	20°45	F 16
S 17	21 43 0	24°18'27	26°11	6°48	14°27	24°38	7°29	22°35	17°41	18°21	17°R12	3°35	5°10	19°34	20°43	S 17
S 18	21 46 56	25°16'19	8♎45	8°16	15°41	25°16	7°42	22°43	17°45	18°23	17°12	3°D34	5° 7	19°41	20°41	S 18
M19	21 50 53	26°14'11	21°32	9°48	16°55	25°54	7°55	22°51	17°48	18°24	17°12	3°35	5° 4	19°47	20°38	M19
T 20	21 54 49	27°12'06	4♏34	11°25	18°10	26°33	8° 8	22°58	17°52	18°26	17°12	3°37	5° 1	19°54	20°36	T 20
W21	21 58 46	28°10'01	17°55	13° 6	19°24	27°11	8°20	23° 6	17°56	18°27	17°12	3°38	4°57	20° 1	20°33	W21
T 22	22 2 43	29° 7'58	1♐36	14°50	20°38	27°49	8°33	23°14	17°59	18°29	17°12	3°R39	4°54	20° 7	20°30	T 22
F 23	22 6 39	0♍ 5'56	15°37	16°38	21°52	28°27	8°46	23°21	18° 3	18°30	17°12	3°38	4°51	20°14	20°28	F 23
S 24	22 10 36	1° 3'55	29°59	18°27	23° 7	29° 5	8°59	23°29	18° 7	18°32	17°12	3°35	4°48	20°21	20°25	S 24
S 25	22 14 32	2° 1'56	14♑39	20°19	24°21	29°44	9°12	23°36	18°10	18°34	17°12	3°32	4°45	20°28	20°23	S 25
M26	22 18 29	2°59'58	29°30	22°13	25°35	0♍22	9°25	23°44	18°14	18°35	17°12	3°27	4°41	20°34	20°20	M26
T 27	22 22 25	3°58'02	14♒27	24° 7	26°49	1° 0	9°38	23°52	18°18	18°37	17°11	3°23	4°38	20°41	20°17	T 27
W28	22 26 22	4°56'07	29°19	26° 3	28° 4	1°38	9°51	23°59	18°21	18°39	17°11	3°20	4°35	20°48	20°15	W28
T 29	22 30 18	5°54'14	14♓ 0	27°59	29°18	2°16	10° 4	24° 7	18°25	18°40	17°11	3°17	4°32	20°54	20°12	T 29
F 30	22 34 15	6°52'22	28°22	29°56	0♍33	2°55	10°17	24°14	18°28	18°42	17°11	3°D16	4°29	21° 1	20° 9	F 30
S 31	22 38 12	7♍50'33	12♈20	1♍52	1♍47	3♍33	10♍30	24♌22	18♌32	18♎44	17♉10	3♎16	4♎26	21♋ 8	20♓ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 4	7s 7	2n27	16n44	3s59	21n44	0n32	17n38	1n 9	10n57	1n 0	15n47	1n11	16n30	0n40	5s31	1n42	2n44	14s50	1s49	2s24	17n18	0n37	4n26
F 2	17 48	2 43	1 16	17 0	3 45	21 33	0 34	17 26	1 9	10 52	1 0	15 45	1 11	16 29	0 40	5 31	1 42	2 44	14 50	1 48	2 22	17 18	0 36	4 26
S 3	17 33	1n42	0 2	17 17	3 31	21 21	0 36	17 15	1 9	10 48	1 0	15 42	1 11	16 28	0 40	5 31	1 42	2 44	14 50	1 47	2 21	17 17	0 35	4 26
S 4	17 17	5 53	1s10	17 33	3 16	21 9	0 39	17 4	1 9	10 43	1 0	15 40	1 11	16 27	0 40	5 32	1 42	2 44	14 51	1 48	2 20	17 16	0 35	4 26
M 5	17 1	9 38	2 16	17 48	3 0	20 55	0 41	16 52	1 9	10 39	1 0	15 38	1 11	16 25	0 40	5 32	1 42	2 43	14 51	1 48	2 19	17 16	0 34	4 26
T 6	16 44	12 49	3 14	18 2	2 43	20 42	0 43	16 40	1 9	10 34	1 0	15 35	1 11	16 24	0 40	5 33	1 42	2 43	14 51	1 48	2 17	17 15	0 33	4 26
W 7	16 28	15 21	4 1	18 15	2 27	20 27	0 45	16 29	1 9	10 29	1 0	15 33	1 11	16 23	0 40	5 33	1 42	2 43	14 51	1 48	2 16	17 14	0 33	4 26
T 8	16 11	17 9	4 36	18 27	2 10	20 12	0 47	16 17	1 9	10 25	1 0	15 30	1 11	16 22	0 40	5 34	1 42	2 43	14 52	1 47	2 15	17 14	0 32	4 26
F 9	15 53	18 9	4 58	18 38	1 53	19 57	0 49	16 5	1 9	10 20	1 0	15 28	1 11	16 21	0 40	5 34	1 42	2 43	14 52	1 45	2 14	17 13	0 31	4 26
S 10	15 36	18 21	5 7	18 47	1 36	19 41	0 51	15 52	1 9	10 16	1 0	15 25	1 11	16 20	0 40	5 35	1 41	2 42	14 52	1 43	2 12	17 12	0 30	4 26
S 11	15 18	17 45	5 3	18 54	1 19	19 24	0 53	15 40	1 9	10 11	1 0	15 23	1 11	16 19	0 40	5 35	1 41	2 42	14 53	1 40	2 11	17 12	0 29	4 26
M12	15 0	16 23	4 46	18 59	1 3	19 7	0 55	15 28	1 9	10 6	1 0	15 21	1 11	16 17	0 40	5 36	1 41	2 42	14 53	1 36	2 10	17 11	0 29	4 27
T 13	14 42	14 18	4 17	19 1	0 46	18 49	0 57	15 15	1 9	10 1	1 0	15 18	1 12	16 16	0 40	5 37	1 41	2 42	14 53	1 33	2 8	17 10	0 28	4 27
W14	14 23	11 35	3 36	19 2	0 31	18 30	0 58	15 3	1 9	9 57	1 0	15 16	1 12	16 15	0 40	5 37	1 41	2 41	14 53	1 30	2 7	17 9	0 27	4 27
T 15	14 5	8 22	2 45	19 0	0 16	18 12	1 0	14 50	1 9	9 52	1 0	15 13	1 12	16 14	0 40	5 38	1 41	2 41	14 54	1 28	2 6	17 9	0 26	4 27
F 16	13 46	4 46	1 45	18 55	0 2	17 52	1 2	14 37	1 9	9 47	1 0	15 11	1 12	16 13	0 40	5 38	1 41	2 41	14 54	1 26	2 5	17 8	0 25	4 27
S 17	13 27	0 54	0 40	18 48	0n12	17 32	1 3	14 25	1 8	9 42	1 0	15 9	1 12	16 12	0 40	5 39	1 41	2 41	14 54	1 25	2 3	17 7	0 24	4 27
S 18	13 7	3s 3	0n28	18 38	0 25	17 12	1 5	14 12	1 8	9 38	1 0	15 6	1 12	16 11	0 40	5 40	1 41	2 40	14 55	1 25	2 2	17 7	0 23	4 27
M19	12 48	6 55	1 36	18 25	0 37	16 51	1 6	13 59	1 8	9 33	1 0	15 4	1 12	16 10	0 40	5 40	1 41	2 40	14 55	1 26	2 1	17 6	0 22	4 27
T 20	12 28	10 33	2 41	18 9	0 48	16 30	1 8	13 46	1 8	9 28	1 0	15 1	1 12	16 8	0 40	5 41	1 41	2 40	14 55	1 26	2 0	17 5	0 21	4 27
W21	12 8	13 42	3 38	17 50	0 58	16 8	1 9	13 32	1 8	9 23	1 0	14 59	1 12	16 7	0 40	5 41	1 41	2 39	14 55	1 27	1 58	17 4	0 20	4 27
T 22	11 48	16 12	4 25	17 29	1 7	15 45	1 11	13 19	1 8	9 18	1 0	14 56	1 12	16 6	0 40	5 42	1 41	2 39	14 56	1 27	1 57	17 4	0 19	4 27
F 23	11 28	17 47	4 57	17 5	1 15	15 23	1 12	13 6	1 8	9 14	1 0	14 54	1 12	16 5	0 40	5 43	1 41	2 39	14 56	1 27	1 56	17 3	0 18	4 27
S 24	11 7	18 17	5 12	16 38	1 22	15 0	1 13	12 52	1 8	9 9	1 0	14 51	1 12	16 4	0 40	5 43	1 41	2 39	14 56	1 26	1 55	17 2	0 17	4 27
S 25	10 46	17 36	5 6	16 8	1 29	14 36	1 14	12 39	1 8	9 4	1 0	14 49	1 12	16 3	0 40	5 44	1 41	2 38	14 57	1 24	1 53	17 1	0 16	4 27
M26	10 25	15 43	4 41	15 37	1 34	14 12	1 15	12 25	1 8	8 59	1 0	14 47	1 13	16 2	0 40	5 45	1 41	2 38	14 57	1 23	1 52	17 1	0 15	4 27
T 27	10 4	12 46	3 56	15 3	1 38	13 48	1 17	12 12	1 8	8 54	1 0	14 44	1 13	16 1	0 40	5 45	1 41	2 38	14 57	1 21	1 51	17 0	0 14	4 27
W28	9 43	9 0	2 55	14 27	1 42	13 23	1 18	11 58	1 8	8 49	1 0	14 42	1 13	15 59	0 40	5 46	1 41	2 37	14 57	1 20	1 50	16 59	0 13	4 27
T 29	9 22	4 43	1 44	13 50	1 44	12 58	1 18	11 44	1 7	8 44	1 0	14 39	1 13	15 58	0 40	5 47	1 41	2 37	14 58	1 19	1 48	16 59	0 12	4 27
F 30	9 0	0 14	0 27	13 10	1 46	12 32	1 19	11 30	1 7	8 39	1 0	14 37	1 13	15 57	0 40	5 47	1 41	2 37	14 58	1 18	1 47	16 58	0 11	4 27
S 31	8n39	4n 7	0s50	12n30	1n47	12n 6	1n20	11n16	1n 7	8n35	1n 0	14n34	1n13	15n56	0n40	5s48	1n41	2n36	14s58	1s18	1s46	16n57	0n10	4n27

Julian Day Number = 2314426.5, Delta T = 62.46 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'02, Lahiri = 18°37'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

SEPTEMBER 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 42 8	8♍48'45	25♈53	3♍49	3♍ 1	4♍11	10♍43	24♌29	18♌36	18♎46	17°R10	3♎18	4♎22	21♋15	20°R 4	S 1
M 2	22 46 5	9°46'59	9♉ 1	5°45	4°16	4°49	10°56	24°37	18°39	18°48	17♉10	3°19	4°19	21°21	20♓ 1	M 2
T 3	22 50 1	10°45'16	21°46	7°40	5°30	5°28	11° 9	24°44	18°43	18°49	17° 9	3°20	4°16	21°28	19°58	T 3
W 4	22 53 58	11°43'34	4♊12	9°35	6°45	6° 6	11°22	24°52	18°46	18°51	17° 9	3°21	4°13	21°35	19°55	W 4
T 5	22 57 54	12°41'55	16°22	11°29	8° 0	6°44	11°35	24°59	18°50	18°53	17° 9	3°R22	4°10	21°41	19°52	T 5
F 6	23 1 51	13°40'18	28°22	13°22	9°14	7°22	11°48	25° 7	18°53	18°55	17° 8	3°21	4° 7	21°48	19°50	F 6
S 7	23 5 47	14°38'43	10♋16	15°15	10°29	8° 1	12° 1	25°14	18°57	18°57	17° 8	3°19	4° 3	21°55	19°47	S 7
S 8	23 9 44	15°37'10	22° 7	17° 6	11°43	8°39	12°14	25°21	19° 0	18°59	17° 7	3°17	4° 0	22° 2	19°44	S 8
M 9	23 13 41	16°35'39	4♌ 1	18°56	12°58	9°17	12°27	25°29	19° 4	19° 1	17° 7	3°14	3°57	22° 8	19°41	M 9
T 10	23 17 37	17°34'10	16° 0	20°46	14°13	9°56	12°40	25°36	19° 7	19° 3	17° 6	3°12	3°54	22°15	19°38	T 10
W11	23 21 34	18°32'43	28° 7	22°34	15°27	10°34	12°53	25°43	19°10	19° 5	17° 6	3°10	3°51	22°22	19°36	W11
T 12	23 25 30	19°31'18	10♍24	24°21	16°42	11°12	13° 6	25°51	19°14	19° 7	17° 5	3° 8	3°47	22°28	19°33	T 12
F 13	23 29 27	20°29'55	22°53	26° 8	17°57	11°51	13°19	25°58	19°17	19° 9	17° 5	3° 7	3°44	22°35	19°30	F 13
S 14	23 33 23	21°28'34	5♎33	27°53	19°12	12°29	13°32	26° 5	19°20	19°11	17° 4	3°D 7	3°41	22°42	19°27	S 14
S 15	23 37 20	22°27'15	18°27	29°37	20°26	13° 7	13°45	26°12	19°24	19°13	17° 4	3° 7	3°38	22°49	19°24	S 15
M16	23 41 16	23°25'58	1♏33	1♎20	21°41	13°46	13°58	26°19	19°27	19°15	17° 3	3° 8	3°35	22°55	19°21	M16
T 17	23 45 13	24°24'43	14°53	3° 2	22°56	14°24	14°11	26°26	19°30	19°17	17° 2	3° 9	3°32	23° 2	19°19	T 17
W18	23 49 9	25°23'29	28°27	4°44	24°11	15° 3	14°23	26°33	19°33	19°19	17° 2	3°10	3°28	23° 9	19°16	W18
T 19	23 53 6	26°22'18	12♐14	6°24	25°25	15°41	14°36	26°40	19°37	19°21	17° 1	3°10	3°25	23°15	19°13	T 19
F 20	23 57 3	27°21'08	26°14	8° 3	26°40	16°19	14°49	26°47	19°40	19°23	17° 1	3°R10	3°22	23°22	19°10	F 20
S 21	0 0 59	28°19'59	10♑26	9°41	27°55	16°58	15° 2	26°54	19°43	19°25	17° 0	3°10	3°19	23°29	19° 7	S 21
S 22	0 4 56	29°18'53	24°46	11°19	29°10	17°36	15°15	27° 1	19°46	19°28	16°59	3°10	3°16	23°36	19° 5	S 22
M23	0 8 52	0♎17'48	9♒14	12°56	0♎25	18°15	15°28	27° 8	19°49	19°30	16°58	3°10	3°12	23°42	19° 2	M23
T 24	0 12 49	1°16'45	23°43	14°31	1°40	18°53	15°40	27°15	19°52	19°32	16°58	3° 9	3° 9	23°49	18°59	T 24
W25	0 16 45	2°15'43	8♓ 9	16° 6	2°55	19°32	15°53	27°22	19°55	19°34	16°57	3° 9	3° 6	23°56	18°56	W25
T 26	0 20 42	3°14'44	22°27	17°40	4° 9	20°10	16° 6	27°28	19°58	19°36	16°56	3°D 9	3° 3	24° 2	18°54	T 26
F 27	0 24 38	4°13'46	6♈32	19°13	5°24	20°49	16°18	27°35	20° 1	19°38	16°55	3°R 9	3° 0	24° 9	18°51	F 27
S 28	0 28 35	5°12'51	20°20	20°45	6°39	21°27	16°31	27°42	20° 4	19°40	16°55	3° 9	2°57	24°16	18°48	S 28
S 29	0 32 32	6°11'57	3♉47	22°17	7°54	22° 6	16°44	27°48	20° 7	19°43	16°54	3° 9	2°53	24°23	18°46	S 29
M30	0 36 28	7♎11'06	16♉54	23♎48	9♎ 9	22♍44	16♍56	27♌55	20♌10	19♎45	16♉53	3♎ 9	2♎50	24♋29	18♓43	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n17	8n 8	2s 1	11n48	1n47	11n40	1n21	11n 2	1n 7	8n30	1n 0	14n32	1n13	15n55	0n40	5s49	1n41	2n36	14s58	1s19	1s44	16n56	0n 9	4n27
M 2	7 55	11 37	3 4	11 5	1 47	11 14	1 22	10 48	1 7	8 25	1 0	14 30	1 13	15 54	0 40	5 50	1 41	2 36	14 59	1 19	1 43	16 55	0 8	4 27
T 3	7 33	14 26	3 56	10 21	1 46	10 47	1 22	10 34	1 7	8 20	1 0	14 27	1 13	15 53	0 40	5 50	1 41	2 35	14 59	1 20	1 42	16 55	0 7	4 27
W 4	7 11	16 31	4 35	9 36	1 44	10 20	1 23	10 20	1 7	8 15	1 1	14 25	1 13	15 52	0 40	5 51	1 41	2 35	14 59	1 20	1 41	16 54	0 6	4 27
T 5	6 48	17 47	5 1	8 51	1 42	9 53	1 23	10 5	1 7	8 10	1 1	14 22	1 14	15 51	0 40	5 52	1 41	2 35	14 59	1 20	1 39	16 53	0 5	4 27
F 6	6 26	18 15	5 14	8 5	1 39	9 25	1 24	9 51	1 7	8 5	1 1	14 20	1 14	15 50	0 40	5 52	1 40	2 34	15 0	1 20	1 38	16 52	0 3	4 27
S 7	6 3	17 53	5 13	7 18	1 36	8 57	1 24	9 36	1 6	8 0	1 1	14 18	1 14	15 49	0 40	5 53	1 40	2 34	15 0	1 19	1 37	16 52	0 2	4 27
S 8	5 41	16 45	4 58	6 32	1 33	8 29	1 24	9 22	1 6	7 55	1 1	14 15	1 14	15 48	0 40	5 54	1 40	2 34	15 0	1 18	1 36	16 51	0 1	4 27
M 9	5 18	14 54	4 31	5 45	1 29	8 0	1 25	9 7	1 6	7 50	1 1	14 13	1 14	15 46	0 40	5 55	1 40	2 33	15 0	1 17	1 34	16 50	0s 0	4 27
T 10	4 55	12 23	3 52	4 57	1 24	7 32	1 25	8 53	1 6	7 45	1 1	14 10	1 14	15 45	0 40	5 56	1 40	2 33	15 1	1 16	1 33	16 49	0 1	4 27
W11	4 32	9 18	3 2	4 10	1 19	7 3	1 25	8 38	1 6	7 40	1 1	14 8	1 14	15 44	0 40	5 56	1 40	2 32	15 1	1 16	1 32	16 49	0 2	4 27
T 12	4 9	5 48	2 2	3 23	1 14	6 34	1 25	8 23	1 6	7 35	1 1	14 6	1 14	15 43	0 40	5 57	1 40	2 32	15 1	1 15	1 31	16 48	0 4	4 27
F 13	3 46	1 58	0 56	2 36	1 9	6 5	1 25	8 9	1 6	7 31	1 1	14 3	1 15	15 42	0 40	5 58	1 40	2 32	15 1	1 15	1 29	16 47	0 5	4 27
S 14	3 23	2s 0	0n13	1 49	1 3	5 35	1 25	7 54	1 5	7 26	1 1	14 1	1 15	15 41	0 40	5 59	1 40	2 31	15 2	1 14	1 28	16 46	0 6	4 27
S 15	3 0	5 57	1 24	1 2	0 57	5 6	1 25	7 39	1 5	7 21	1 1	13 59	1 15	15 40	0 40	5 59	1 40	2 31	15 2	1 15	1 27	16 45	0 7	4 26
M16	2 37	9 40	2 31	0 15	0 51	4 36	1 25	7 24	1 5	7 16	1 1	13 56	1 15	15 39	0 40	6 0	1 40	2 31	15 2	1 15	1 26	16 45	0 8	4 26
T 17	2 13	12 58	3 31	0s31	0 45	4 6	1 24	7 9	1 5	7 11	1 1	13 54	1 15	15 38	0 40	6 1	1 40	2 30	15 2	1 15	1 24	16 44	0 9	4 26
W18	1 50	15 37	4 21	1 17	0 39	3 36	1 24	6 54	1 5	7 6	1 1	13 52	1 15	15 37	0 40	6 2	1 40	2 30	15 3	1 16	1 23	16 43	0 11	4 26
T 19	1 27	17 24	4 56	2 3	0 32	3 6	1 24	6 39	1 5	7 1	1 1	13 50	1 15	15 36	0 40	6 3	1 40	2 29	15 3	1 16	1 22	16 42	0 12	4 26
F 20	1 3	18 11	5 15	2 49	0 25	2 36	1 23	6 24	1 5	6 56	1 1	13 47	1 15	15 35	0 40	6 3	1 40	2 29	15 3	1 16	1 20	16 41	0 13	4 26
S 21	0 40	17 51	5 15	3 34	0 19	2 5	1 23	6 9	1 4	6 51	1 2	13 45	1 16	15 34	0 41	6 4	1 40	2 29	15 3	1 16	1 19	16 41	0 14	4 26
S 22	0 16	16 22	4 55	4 18	0 12	1 35	1 22	5 54	1 4	6 46	1 2	13 43	1 16	15 33	0 41	6 5	1 40	2 28	15 3	1 16	1 18	16 40	0 15	4 26
M23	0s 7	13 51	4 17	5 3	0 5	1 5	1 21	5 38	1 4	6 41	1 2	13 41	1 16	15 33	0 41	6 6	1 40	2 28	15 4	1 16	1 17	16 39	0 17	4 26
T 24	0 31	10 28	3 22	5 46	0s 2	0 34	1 21	5 23	1 4	6 36	1 2	13 38	1 16	15 32	0 41	6 7	1 40	2 28	15 4	1 15	1 15	16 38	0 18	4 25
W25	0 54	6 27	2 14	6 29	0 10	0 4	1 20	5 8	1 4	6 32	1 2	13 36	1 16	15 31	0 41	6 8	1 40	2 27	15 4	1 15	1 14	16 37	0 19	4 25
T 26	1 18	2 6	0 59	7 12	0 17	0s27	1 19	4 52	1 3	6 27	1 2	13 34	1 16	15 30	0 41	6 8	1 40	2 27	15 4	1 15	1 13	16 37	0 20	4 25
F 27	1 41	2n19	0s19	7 54	0 24	0 57	1 18	4 37	1 3	6 22	1 2	13 32	1 16	15 29	0 41	6 9	1 40	2 26	15 4	1 15	1 12	16 36	0 21	4 25
S 28	2 5	6 31	1 34	8 36	0 31	1 28	1 17	4 22	1 3	6 17	1 2	13 30	1 17	15 28	0 41	6 10	1 40	2 26	15 5	1 15	1 10	16 35	0 22	4 25
S 29	2 28	10 16	2 42	9 17	0 38	1 59	1 16	4 6	1 3	6 12	1 2	13 28	1 17	15 27	0 41	6 11	1 40	2 26	15 5	1 15	1 9	16 34	0 24	4 25
M30	2s51	13n24	3s40	9s57	0s45	2s29	1n15	3n51	1n 3	6n 7	1n 2	13n25	1n17	15n26	0n41	6s12	1n40	2n25	15s 5	1s15	1s 8	16n33	0s25	4n25

Julian Day Number = 2314457.5, Delta T = 62.38 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'06, Lahiri = 18°37'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

OCTOBER 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 40 25	8♎10'18	29♉41	25♎17	10♎24	23♍23	17♍ 9	28♌ 1	20♌12	19♎47	16°R52	3°R 8	2♎47	24♋36	18°R40	T 1
W 2	0 44 21	9° 9'31	12♊ 8	26°46	11°39	24° 1	17°21	28° 8	20°15	19°49	16♉51	3♎ 7	2°44	24°43	18♓38	W 2
T 3	0 48 18	10° 8'47	24°21	28°15	12°54	24°40	17°34	28°14	20°18	19°51	16°50	3° 7	2°41	24°49	18°35	T 3
F 4	0 52 14	11° 8'05	6♋22	29°42	14° 9	25°18	17°46	28°20	20°21	19°54	16°50	3°D 6	2°38	24°56	18°33	F 4
S 5	0 56 11	12° 7'26	18°17	1♏ 8	15°24	25°57	17°59	28°26	20°23	19°56	16°49	3° 6	2°34	25° 3	18°30	S 5
S 6	1 0 7	13° 6'49	0♌ 9	2°34	16°39	26°36	18°11	28°33	20°26	19°58	16°48	3° 7	2°31	25°10	18°27	S 6
M 7	1 4 4	14° 6'14	12° 3	3°59	17°54	27°14	18°24	28°39	20°28	20° 0	16°47	3° 8	2°28	25°16	18°25	M 7
T 8	1 8 1	15° 5'41	24° 5	5°23	19° 9	27°53	18°36	28°45	20°31	20° 3	16°46	3° 9	2°25	25°23	18°23	T 8
W 9	1 11 57	16° 5'11	6♍17	6°46	20°24	28°31	18°48	28°51	20°33	20° 5	16°45	3°10	2°22	25°30	18°20	W 9
T 10	1 15 54	17° 4'42	18°43	8° 8	21°39	29°10	19° 0	28°57	20°36	20° 7	16°44	3°11	2°18	25°36	18°18	T 10
F 11	1 19 50	18° 4'16	1♎25	9°29	22°54	29°49	19°12	29° 3	20°38	20° 9	16°43	3°R12	2°15	25°43	18°15	F 11
S 12	1 23 47	19° 3'52	14°25	10°49	24° 9	0♎27	19°25	29° 9	20°41	20°12	16°42	3°11	2°12	25°50	18°13	S 12
S 13	1 27 43	20° 3'31	27°42	12° 8	25°24	1° 6	19°37	29°14	20°43	20°14	16°41	3°10	2° 9	25°57	18°11	S 13
M14	1 31 40	21° 3'11	11♏14	13°25	26°40	1°45	19°49	29°20	20°45	20°16	16°40	3° 8	2° 6	26° 3	18° 8	M14
T 15	1 35 36	22° 2'53	25° 1	14°41	27°55	2°24	20° 1	29°26	20°48	20°18	16°39	3° 6	2° 3	26°10	18° 6	T 15
W16	1 39 33	23° 2'37	8♐58	15°56	29°10	3° 2	20°13	29°31	20°50	20°20	16°38	3° 3	1°59	26°17	18° 4	W16
T 17	1 43 29	24° 2'23	23° 4	17° 9	0♏25	3°41	20°24	29°37	20°52	20°23	16°37	3° 0	1°56	26°23	18° 2	T 17
F 18	1 47 26	25° 2'10	7♑14	18°21	1°40	4°20	20°36	29°42	20°54	20°25	16°36	2°58	1°53	26°30	18° 0	F 18
S 19	1 51 23	26° 2'00	21°26	19°31	2°55	4°59	20°48	29°48	20°56	20°27	16°35	2°D57	1°50	26°37	17°58	S 19
S 20	1 55 19	27° 1'50	5♒37	20°39	4°10	5°37	21° 0	29°53	20°58	20°29	16°34	2°58	1°47	26°44	17°56	S 20
M21	1 59 16	28° 1'43	19°45	21°44	5°25	6°16	21°11	29°58	21° 0	20°32	16°33	2°59	1°44	26°50	17°54	M21
T 22	2 3 12	29° 1'37	3♓50	22°48	6°40	6°55	21°23	0♍ 3	21° 2	20°34	16°32	3° 0	1°40	26°57	17°52	T 22
W23	2 7 9	0♏ 1'33	17°48	23°48	7°55	7°34	21°34	0° 8	21° 4	20°36	16°31	3° 1	1°37	27° 4	17°50	W23
T 24	2 11 5	1° 1'30	1♈37	24°46	9°10	8°13	21°46	0°13	21° 6	20°38	16°30	3°R 2	1°34	27°10	17°48	T 24
F 25	2 15 2	2° 1'29	15°16	25°40	10°26	8°52	21°57	0°18	21° 8	20°41	16°29	3° 2	1°31	27°17	17°46	F 25
S 26	2 18 58	3° 1'30	28°43	26°30	11°41	9°30	22° 8	0°23	21° 9	20°43	16°28	3° 0	1°28	27°24	17°44	S 26
S 27	2 22 55	4° 1'33	11♉56	27°17	12°56	10° 9	22°19	0°28	21°11	20°45	16°26	2°56	1°24	27°30	17°43	S 27
M28	2 26 52	5° 1'38	24°53	27°58	14°11	10°48	22°31	0°33	21°13	20°47	16°25	2°51	1°21	27°37	17°41	M28
T 29	2 30 48	6° 1'45	7♊34	28°35	15°26	11°27	22°42	0°37	21°14	20°49	16°24	2°45	1°18	27°44	17°39	T 29
W30	2 34 45	7° 1'54	20° 0	29° 6	16°41	12° 6	22°53	0°42	21°16	20°51	16°23	2°39	1°15	27°51	17°38	W30
T 31	2 38 41	8♏ 2'05	2♋12	29♏31	17♏56	12♎45	23♍ 4	0♍46	21♌17	20♎54	16♉22	2♎34	1♎12	27♋57	17♓36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s15	15n49	4s25	10s37	0s53	3s 0	1n14	3n35	1n 3	6n 3	1n 2	13n23	1n17	15n25	0n41	6s12	1n40	2n25	15s 5	1s15	1s 7	16n32	0s26	4n24
W 2	3 38	17 24	4 56	11 16	1 0	3 30	1 13	3 20	1 2	5 58	1 2	13 21	1 17	15 24	0 41	6 13	1 40	2 24	15 5	1 15	1 5	16 32	0 27	4 24
T 3	4 2	18 9	5 13	11 54	1 7	4 1	1 11	3 5	1 2	5 53	1 3	13 19	1 17	15 24	0 41	6 14	1 40	2 24	15 5	1 14	1 4	16 31	0 28	4 24
F 4	4 25	18 4	5 16	12 32	1 14	4 31	1 10	2 49	1 2	5 48	1 3	13 17	1 18	15 23	0 41	6 15	1 40	2 24	15 6	1 14	1 3	16 30	0 29	4 24
S 5	4 48	17 11	5 6	13 9	1 21	5 1	1 9	2 33	1 2	5 43	1 3	13 15	1 18	15 22	0 41	6 16	1 40	2 23	15 6	1 14	1 1	16 29	0 31	4 24
S 6	5 11	15 33	4 42	13 45	1 27	5 31	1 7	2 18	1 2	5 39	1 3	13 13	1 18	15 21	0 41	6 17	1 40	2 23	15 6	1 14	1 0	16 28	0 32	4 24
M 7	5 34	13 16	4 7	14 21	1 34	6 1	1 6	2 2	1 1	5 34	1 3	13 11	1 18	15 20	0 41	6 18	1 40	2 23	15 6	1 15	0 59	16 27	0 33	4 23
T 8	5 57	10 22	3 20	14 55	1 41	6 31	1 4	1 47	1 1	5 29	1 3	13 9	1 18	15 20	0 41	6 18	1 40	2 22	15 6	1 15	0 58	16 26	0 34	4 23
W 9	6 20	7 0	2 23	15 29	1 47	7 1	1 3	1 31	1 1	5 24	1 3	13 7	1 18	15 19	0 41	6 19	1 40	2 22	15 6	1 16	0 56	16 26	0 35	4 23
T 10	6 43	3 15	1 19	16 2	1 53	7 31	1 1	1 16	1 1	5 20	1 3	13 5	1 19	15 18	0 41	6 20	1 40	2 21	15 7	1 16	0 55	16 25	0 36	4 23
F 11	7 6	0s43	0 10	16 34	2 0	8 0	0 59	1 0	1 0	5 15	1 3	13 3	1 19	15 17	0 41	6 21	1 40	2 21	15 7	1 16	0 54	16 24	0 37	4 23
S 12	7 29	4 45	1n 2	17 5	2 6	8 29	0 58	0 44	1 0	5 10	1 4	13 2	1 19	15 17	0 41	6 22	1 40	2 21	15 7	1 16	0 53	16 23	0 38	4 23
S 13	7 51	8 38	2 11	17 35	2 11	8 59	0 56	0 29	1 0	5 6	1 4	13 0	1 19	15 16	0 41	6 23	1 40	2 20	15 7	1 16	0 51	16 22	0 39	4 22
M14	8 14	12 9	3 15	18 4	2 17	9 28	0 54	0 13	1 0	5 1	1 4	12 58	1 19	15 15	0 41	6 23	1 40	2 20	15 7	1 15	0 50	16 21	0 41	4 22
T 15	8 36	15 2	4 8	18 32	2 22	9 56	0 52	0s 3	1 0	4 57	1 4	12 56	1 19	15 15	0 41	6 24	1 40	2 19	15 7	1 14	0 49	16 20	0 42	4 22
W16	8 58	17 6	4 48	18 59	2 27	10 25	0 50	0 18	0 59	4 52	1 4	12 54	1 20	15 14	0 41	6 25	1 40	2 19	15 7	1 13	0 48	16 20	0 43	4 22
T 17	9 21	18 9	5 10	19 25	2 32	10 53	0 48	0 34	0 59	4 47	1 4	12 52	1 20	15 13	0 41	6 26	1 40	2 19	15 7	1 12	0 46	16 19	0 44	4 21
F 18	9 43	18 4	5 14	19 49	2 36	11 21	0 47	0 49	0 59	4 43	1 4	12 51	1 20	15 13	0 41	6 27	1 40	2 18	15 7	1 11	0 45	16 18	0 45	4 21
S 19	10 4	16 52	4 59	20 13	2 40	11 49	0 45	1 5	0 59	4 38	1 4	12 49	1 20	15 12	0 41	6 28	1 40	2 18	15 7	1 11	0 44	16 17	0 46	4 21
S 20	10 26	14 37	4 25	20 35	2 44	12 16	0 42	1 21	0 58	4 34	1 5	12 47	1 20	15 11	0 41	6 28	1 40	2 18	15 8	1 11	0 43	16 16	0 47	4 21
M21	10 48	11 30	3 36	20 55	2 47	12 43	0 40	1 36	0 58	4 29	1 5	12 46	1 21	15 11	0 42	6 29	1 40	2 17	15 8	1 11	0 41	16 15	0 48	4 21
T 22	11 9	7 44	2 34	21 14	2 50	13 10	0 38	1 52	0 58	4 25	1 5	12 44	1 21	15 10	0 42	6 30	1 40	2 17	15 8	1 12	0 40	16 14	0 49	4 20
W23	11 30	3 34	1 23	21 32	2 52	13 36	0 36	2 8	0 58	4 21	1 5	12 42	1 21	15 10	0 42	6 31	1 40	2 17	15 8	1 12	0 39	16 13	0 50	4 20
T 24	11 51	0n46	0 8	21 48	2 54	14 3	0 34	2 23	0 57	4 16	1 5	12 41	1 21	15 9	0 42	6 32	1 40	2 16	15 8	1 13	0 37	16 13	0 51	4 20
F 25	12 12	5 0	1s 7	22 2	2 55	14 28	0 32	2 39	0 57	4 12	1 5	12 39	1 21	15 9	0 42	6 33	1 40	2 16	15 8	1 12	0 36	16 12	0 52	4 20
S 26	12 33	8 55	2 16	22 15	2 55	14 54	0 29	2 54	0 57	4 8	1 5	12 38	1 22	15 8	0 42	6 33	1 40	2 16	15 8	1 12	0 35	16 11	0 52	4 19
S 27	12 53	12 19	3 17	22 25	2 55	15 19	0 27	3 10	0 56	4 3	1 6	12 36	1 22	15 8	0 42	6 34	1 40	2 15	15 8	1 10	0 34	16 10	0 53	4 19
M28	13 13	15 3	4 6	22 34	2 53	15 44	0 25	3 25	0 56	3 59	1 6	12 35	1 22	15 7	0 42	6 35	1 40	2 15	15 8	1 8	0 32	16 9	0 54	4 19
T 29	13 33	16 59	4 42	22 40	2 51	16 8	0 23	3 41	0 56	3 55	1 6	12 33	1 22	15 7	0 42	6 36	1 40	2 15	15 8	1 6	0 31	16 8	0 55	4 19
W30	13 53	18 4	5 4	22 44	2 48	16 32	0 20	3 56	0 56	3 51	1 6	12 32	1 22	15 6	0 42	6 37	1 40	2 14	15 8	1 3	0 30	16 7	0 56	4 18
T 31	14s13	18n17	5s11	22s45	2s44	16s55	0n18	4s12	0n55	3n46	1n 6	12n30	1n23	15n 6	0n42	6s37	1n40	2n14	15s 8	1s 1	0s29	16n 6	0s57	4n18

Julian Day Number = 2314487.5, Delta T = 62.31 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'10, Lahiri = 18°37'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

NOVEMBER 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 42 38	9♏ 2'18	14♋13	29♏48	19♏11	13♎24	23♍14	0♍50	21♌19	20♎56	16°R21	2°R29	1♎ 9	28♋ 4	17°R35	F 1
S 2	2 46 34	10° 2'33	26° 6	29°58	20°26	14° 3	23°25	0°55	21°20	20°58	16♉20	2♎26	1° 5	28°11	17♓33	S 2
S 3	2 50 31	11° 2'50	7♌58	0°R 0	21°42	14°42	23°36	0°59	21°21	21° 0	16°19	2°D25	1° 2	28°17	17°32	S 3
M 4	2 54 27	12° 3'09	19°51	29°53	22°57	15°21	23°46	1° 3	21°23	21° 2	16°18	2°25	0°59	28°24	17°30	M 4
T 5	2 58 24	13° 3'29	1♍51	29°36	24°12	16° 0	23°57	1° 7	21°24	21° 4	16°16	2°27	0°56	28°31	17°29	T 5
W 6	3 2 21	14° 3'52	14° 4	29° 9	25°27	16°39	24° 7	1°11	21°25	21° 6	16°15	2°28	0°53	28°38	17°28	W 6
T 7	3 6 17	15° 4'17	26°33	28°32	26°42	17°18	24°18	1°15	21°26	21° 9	16°14	2°R29	0°49	28°44	17°27	T 7
F 8	3 10 14	16° 4'43	9♎23	27°46	27°57	17°57	24°28	1°18	21°27	21°11	16°13	2°29	0°46	28°51	17°26	F 8
S 9	3 14 10	17° 5'12	22°35	26°49	29°12	18°36	24°38	1°22	21°28	21°13	16°12	2°27	0°43	28°58	17°24	S 9
S 10	3 18 7	18° 5'42	6♏11	25°44	0♐28	19°15	24°48	1°25	21°29	21°15	16°11	2°23	0°40	29° 4	17°23	S 10
M11	3 22 3	19° 6'14	20° 9	24°31	1°43	19°55	24°58	1°29	21°30	21°17	16°10	2°17	0°37	29°11	17°22	M11
T 12	3 26 0	20° 6'47	4♐24	23°14	2°58	20°34	25° 8	1°32	21°31	21°19	16° 9	2°10	0°34	29°18	17°21	T 12
W13	3 29 56	21° 7'22	18°52	21°53	4°13	21°13	25°18	1°35	21°32	21°21	16° 7	2° 1	0°30	29°25	17°21	W13
T 14	3 33 53	22° 7'59	3♑24	20°32	5°28	21°52	25°27	1°39	21°32	21°23	16° 6	1°54	0°27	29°31	17°20	T 14
F 15	3 37 50	23° 8'37	17°56	19°13	6°43	22°31	25°37	1°42	21°33	21°25	16° 5	1°47	0°24	29°38	17°19	F 15
S 16	3 41 46	24° 9'15	2♒21	17°59	7°58	23°11	25°46	1°45	21°34	21°27	16° 4	1°43	0°21	29°45	17°18	S 16
S 17	3 45 43	25° 9'55	16°36	16°52	9°14	23°50	25°56	1°47	21°34	21°29	16° 3	1°41	0°18	29°51	17°18	S 17
M18	3 49 39	26°10'36	0♓39	15°54	10°29	24°29	26° 5	1°50	21°35	21°31	16° 2	1°D41	0°15	29°58	17°17	M18
T 19	3 53 36	27°11'18	14°29	15° 7	11°44	25° 8	26°14	1°53	21°35	21°33	16° 1	1°41	0°11	0♌ 5	17°17	T 19
W20	3 57 32	28°12'01	28° 6	14°31	12°59	25°48	26°23	1°55	21°36	21°35	16° 0	1°R42	0° 8	0°11	17°16	W20
T 21	4 1 29	29°12'46	11♈31	14° 7	14°14	26°27	26°32	1°58	21°36	21°36	15°59	1°42	0° 5	0°18	17°16	T 21
F 22	4 5 25	0♗13'31	24°45	13°54	15°29	27° 6	26°41	2° 0	21°36	21°38	15°57	1°39	0° 2	0°25	17°15	F 22
S 23	4 9 22	1°14'17	7♉48	13°D52	16°44	27°45	26°49	2° 2	21°36	21°40	15°56	1°34	29♍59	0°32	17°15	S 23
S 24	4 13 19	2°15'05	20°40	14° 1	17°59	28°25	26°58	2° 4	21°37	21°42	15°55	1°26	29°55	0°38	17°15	S 24
M25	4 17 15	3°15'53	3♊20	14°20	19°14	29° 4	27° 6	2° 6	21°37	21°44	15°54	1°16	29°52	0°45	17°15	M25
T 26	4 21 12	4°16'43	15°50	14°47	20°30	29°43	27°15	2° 8	21°37	21°45	15°53	1° 4	29°49	0°52	17°14	T 26
W27	4 25 8	5°17'34	28° 8	15°23	21°45	0♏23	27°23	2°10	21°R37	21°47	15°52	0°52	29°46	0°58	17°14	W27
T 28	4 29 5	6°18'27	10♋15	16° 5	23° 0	1° 2	27°31	2°12	21°37	21°49	15°51	0°40	29°43	1° 5	17°D14	T 28
F 29	4 33 1	7°19'20	22°14	16°54	24°15	1°42	27°39	2°13	21°37	21°51	15°50	0°29	29°40	1°12	17°14	F 29
S 30	4 36 58	8♗20'15	4♌ 6	17♏48	25♗30	2♏21	27♍47	2♍15	21♌36	21♎52	15♉49	0♎21	29♍36	1♌18	17♓14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s32	17n41	5s 5	22s43	2s38	17s18	0n16	4s27	0n55	3n42	1n 6	12n29	1n23	15n 5	0n42	6s38	1n40	2n14	15s 8	0s59	0s27	16n 5	0s58	4n18
S 2	14 51	16 18	4 45	22 39	2 31	17 41	0 13	4 43	0 55	3 38	1 6	12 28	1 23	15 5	0 42	6 39	1 40	2 13	15 8	0 58	0 26	16 4	0 58	4 18
S 3	15 10	14 14	4 13	22 31	2 23	18 3	0 11	4 58	0 54	3 34	1 7	12 27	1 23	15 4	0 42	6 40	1 40	2 13	15 8	0 58	0 25	16 3	0 59	4 17
M 4	15 29	11 33	3 31	22 20	2 14	18 25	0 8	5 13	0 54	3 30	1 7	12 25	1 23	15 4	0 42	6 40	1 40	2 13	15 8	0 58	0 24	16 3	1 0	4 17
T 5	15 47	8 22	2 39	22 6	2 2	18 46	0 6	5 29	0 54	3 26	1 7	12 24	1 24	15 4	0 42	6 41	1 40	2 12	15 8	0 58	0 22	16 2	1 1	4 17
W 6	16 5	4 46	1 38	21 47	1 49	19 6	0 3	5 44	0 54	3 22	1 7	12 23	1 24	15 3	0 42	6 42	1 40	2 12	15 8	0 59	0 21	16 1	1 2	4 16
T 7	16 23	0 53	0 32	21 25	1 35	19 26	0 1	5 59	0 53	3 18	1 7	12 22	1 24	15 3	0 42	6 43	1 40	2 12	15 8	1 0	0 20	16 0	1 2	4 16
F 8	16 41	3s 9	0n37	20 58	1 19	19 46	0s 1	6 14	0 53	3 14	1 7	12 21	1 24	15 3	0 42	6 44	1 40	2 12	15 8	1 0	0 18	15 59	1 3	4 16
S 9	16 58	7 9	1 47	20 28	1 1	20 5	0 4	6 30	0 53	3 10	1 8	12 19	1 24	15 2	0 42	6 44	1 40	2 11	15 8	0 59	0 17	15 58	1 4	4 16
S 10	17 15	10 54	2 52	19 55	0 42	20 23	0 6	6 45	0 52	3 6	1 8	12 18	1 25	15 2	0 42	6 45	1 40	2 11	15 8	0 57	0 16	15 57	1 4	4 15
M11	17 32	14 9	3 48	19 18	0 22	20 41	0 9	7 0	0 52	3 3	1 8	12 17	1 25	15 2	0 42	6 46	1 41	2 11	15 8	0 55	0 15	15 56	1 5	4 15
T 12	17 48	16 36	4 32	18 39	0 2	20 59	0 11	7 15	0 52	2 59	1 8	12 16	1 25	15 2	0 42	6 47	1 41	2 11	15 8	0 52	0 13	15 55	1 6	4 15
W13	18 4	18 3	4 59	17 58	0n19	21 15	0 14	7 30	0 51	2 55	1 8	12 15	1 25	15 2	0 42	6 47	1 41	2 10	15 8	0 48	0 12	15 54	1 6	4 14
T 14	18 20	18 20	5 7	17 17	0 39	21 31	0 16	7 45	0 51	2 52	1 9	12 15	1 26	15 1	0 43	6 48	1 41	2 10	15 8	0 45	0 11	15 53	1 7	4 14
F 15	18 36	17 25	4 55	16 37	0 59	21 47	0 19	8 0	0 51	2 48	1 9	12 14	1 26	15 1	0 43	6 49	1 41	2 10	15 8	0 43	0 10	15 52	1 7	4 14
S 16	18 51	15 23	4 24	15 59	1 17	22 2	0 21	8 15	0 50	2 44	1 9	12 13	1 26	15 1	0 43	6 49	1 41	2 10	15 8	0 41	0 8	15 51	1 8	4 14
S 17	19 6	12 26	3 38	15 25	1 34	22 16	0 24	8 30	0 50	2 41	1 9	12 12	1 26	15 1	0 43	6 50	1 41	2 9	15 8	0 40	0 7	15 50	1 8	4 13
M18	19 20	8 47	2 39	14 54	1 48	22 29	0 26	8 44	0 50	2 37	1 9	12 11	1 27	15 1	0 43	6 51	1 41	2 9	15 8	0 40	0 6	15 49	1 9	4 13
T 19	19 34	4 43	1 31	14 28	2 1	22 42	0 28	8 59	0 49	2 34	1 10	12 11	1 27	15 1	0 43	6 51	1 41	2 9	15 8	0 40	0 5	15 48	1 9	4 13
W20	19 48	0 28	0 19	14 8	2 12	22 55	0 31	9 14	0 49	2 30	1 10	12 10	1 27	15 1	0 43	6 52	1 41	2 9	15 7	0 41	0 3	15 48	1 10	4 12
T 21	20 1	3n46	0s52	13 52	2 20	23 6	0 33	9 28	0 48	2 27	1 10	12 9	1 27	15 0	0 43	6 53	1 41	2 8	15 7	0 41	0 2	15 47	1 10	4 12
F 22	20 14	7 44	2 0	13 42	2 27	23 17	0 36	9 43	0 48	2 24	1 10	12 9	1 27	15 0	0 43	6 53	1 41	2 8	15 7	0 40	0 1	15 46	1 11	4 12
S 23	20 27	11 18	3 0	13 37	2 31	23 27	0 38	9 57	0 48	2 21	1 10	12 8	1 28	15 0	0 43	6 54	1 41	2 8	15 7	0 38	0n 1	15 45	1 11	4 12
S 24	20 39	14 15	3 50	13 37	2 34	23 37	0 40	10 12	0 47	2 17	1 11	12 8	1 28	15 0	0 43	6 55	1 41	2 8	15 7	0 34	0 2	15 44	1 11	4 11
M25	20 51	16 29	4 28	13 41	2 36	23 45	0 43	10 26	0 47	2 14	1 11	12 7	1 28	15 0	0 43	6 55	1 41	2 8	15 7	0 30	0 3	15 43	1 12	4 11
T 26	21 2	17 53	4 52	13 50	2 36	23 53	0 45	10 40	0 47	2 11	1 11	12 7	1 28	15 0	0 43	6 56	1 41	2 8	15 7	0 26	0 4	15 42	1 12	4 11
W27	21 14	18 26	5 2	14 1	2 34	24 1	0 47	10 54	0 46	2 8	1 11	12 6	1 29	15 0	0 43	6 57	1 41	2 7	15 7	0 21	0 6	15 41	1 12	4 10
T 28	21 24	18 8	4 58	14 15	2 32	24 7	0 49	11 9	0 46	2 5	1 11	12 6	1 29	15 0	0 43	6 57	1 41	2 7	15 7	0 16	0 7	15 40	1 13	4 10
F 29	21 34	17 1	4 41	14 32	2 29	24 13	0 52	11 23	0 45	2 2	1 12	12 5	1 29	15 1	0 43	6 58	1 41	2 7	15 6	0 12	0 8	15 39	1 13	4 10
S 30	21s44	15n11	4s12	14s51	2n25	24s18	0s54	11s37	0n45	1n59	1n12	12n 5	1n29	15n 1	0n43	6s58	1n41	2n 7	15s 6	0s 9	0n 9	15n38	1s13	4n 9

Julian Day Number = 2314518.5, Delta T = 62.24 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'15, Lahiri = 18°37'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1624
geocentric

DECEMBER 1624 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 54	9♐21'11	15♌55	18♏47	26♐45	3♏ 1	27♍54	2♍16	21°R36	21♎54	15°R48	0°R16	29♍33	1♌25	17♓15	S 1
M 2	4 44 51	10°22'08	27°46	19°51	28° 0	3°40	28° 2	2°17	21♌36	21°56	15♉47	0♎13	29°30	1°32	17°15	M 2
T 3	4 48 48	11°23'07	9♍43	20°58	29°15	4°19	28° 9	2°18	21°36	21°57	15°46	0°D12	29°27	1°39	17°15	T 3
W 4	4 52 44	12°24'06	21°52	22° 8	0♑30	4°59	28°16	2°19	21°35	21°59	15°45	0°13	29°24	1°45	17°15	W 4
T 5	4 56 41	13°25'07	4♎18	23°21	1°45	5°38	28°24	2°20	21°35	22° 0	15°44	0°R13	29°21	1°52	17°16	T 5
F 6	5 0 37	14°26'09	17° 7	24°37	3° 0	6°18	28°31	2°21	21°34	22° 2	15°43	0°11	29°17	1°59	17°16	F 6
S 7	5 4 34	15°27'11	0♏22	25°55	4°15	6°58	28°37	2°22	21°34	22° 4	15°42	0° 8	29°14	2° 5	17°17	S 7
S 8	5 8 30	16°28'15	14° 5	27°14	5°30	7°37	28°44	2°22	21°33	22° 5	15°41	0° 2	29°11	2°12	17°17	S 8
M 9	5 12 27	17°29'20	28°16	28°35	6°45	8°17	28°51	2°23	21°32	22° 6	15°40	29♍53	29° 8	2°19	17°18	M 9
T 10	5 16 23	18°30'26	12♐51	29°57	8° 0	8°56	28°57	2°23	21°32	22° 8	15°39	29°42	29° 5	2°26	17°19	T 10
W11	5 20 20	19°31'33	27°43	1♐21	9°15	9°36	29° 3	2°23	21°31	22° 9	15°38	29°30	29° 1	2°32	17°19	W11
T 12	5 24 17	20°32'40	12♑43	2°45	10°30	10°16	29° 9	2°24	21°30	22°11	15°37	29°19	28°58	2°39	17°20	T 12
F 13	5 28 13	21°33'47	27°41	4°11	11°45	10°55	29°15	2°R24	21°29	22°12	15°36	29° 9	28°55	2°46	17°21	F 13
S 14	5 32 10	22°34'55	12♒29	5°37	13° 0	11°35	29°21	2°24	21°28	22°13	15°36	29° 2	28°52	2°52	17°22	S 14
S 15	5 36 6	23°36'03	27° 0	7° 4	14°15	12°15	29°27	2°23	21°27	22°15	15°35	28°57	28°49	2°59	17°23	S 15
M16	5 40 3	24°37'11	11♓11	8°32	15°30	12°54	29°32	2°23	21°26	22°16	15°34	28°55	28°46	3° 6	17°24	M16
T 17	5 43 59	25°38'20	25° 1	10° 0	16°45	13°34	29°38	2°23	21°25	22°17	15°33	28°55	28°42	3°12	17°25	T 17
W18	5 47 56	26°39'28	8♈31	11°28	18° 0	14°14	29°43	2°22	21°24	22°18	15°32	28°55	28°39	3°19	17°26	W18
T 19	5 51 52	27°40'36	21°43	12°58	19°15	14°53	29°48	2°21	21°23	22°20	15°31	28°54	28°36	3°26	17°27	T 19
F 20	5 55 49	28°41'45	4♉40	14°27	20°30	15°33	29°52	2°21	21°22	22°21	15°31	28°50	28°33	3°32	17°29	F 20
S 21	5 59 46	29°42'54	17°24	15°57	21°45	16°13	29°57	2°20	21°20	22°22	15°30	28°44	28°30	3°39	17°30	S 21
S 22	6 3 42	0♑44'03	29°57	17°27	23° 0	16°53	0♎ 2	2°19	21°19	22°23	15°29	28°34	28°27	3°46	17°31	S 22
M23	6 7 39	1°45'11	12♊20	18°58	24°15	17°32	0° 6	2°18	21°18	22°24	15°28	28°22	28°23	3°53	17°33	M23
T 24	6 11 35	2°46'20	24°36	20°29	25°30	18°12	0°10	2°16	21°16	22°25	15°28	28° 7	28°20	3°59	17°34	T 24
W25	6 15 32	3°47'29	6♋43	22° 1	26°45	18°52	0°14	2°15	21°15	22°26	15°27	27°52	28°17	4° 6	17°36	W25
T 26	6 19 28	4°48'39	18°44	23°32	27°59	19°32	0°18	2°14	21°13	22°27	15°26	27°38	28°14	4°13	17°37	T 26
F 27	6 23 25	5°49'48	0♌38	25° 5	29°14	20°12	0°21	2°12	21°12	22°28	15°26	27°25	28°11	4°19	17°39	F 27
S 28	6 27 21	6°50'57	12°28	26°37	0♒29	20°52	0°25	2°11	21°10	22°29	15°25	27°15	28° 7	4°26	17°40	S 28
S 29	6 31 18	7°52'07	24°17	28°10	1°44	21°32	0°28	2° 9	21° 9	22°30	15°24	27° 8	28° 4	4°33	17°42	S 29
M30	6 35 15	8°53'17	6♍ 7	29°43	2°58	22°11	0°31	2° 7	21° 7	22°31	15°24	27° 4	28° 1	4°39	17°44	M30
T 31	6 39 11	9♑54'26	18♍ 2	1♑17	4♒13	22♏51	0♎34	2♍ 5	21♌ 5	22♎31	15♉23	27♍ 2	27♍58	4♌46	17♓46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s54	12n43	3s33	15s12	2n20	24s23	0s56	11s50	0n45	1n56	1n12	12n 5	1n30	15n 1	0n43	6s59	1n41	2n 7	15s 6	0s 6	0n11	15n37	1s13	4n 9
M 2	22 3	9 43	2 43	15 34	2 15	24 26	0 58	12 4	0 44	1 53	1 12	12 5	1 30	15 1	0 43	7 0	1 41	2 7	15 6	0 5	0 12	15 36	1 14	4 9
T 3	22 11	6 18	1 47	15 58	2 9	24 29	1 0	12 18	0 44	1 51	1 13	12 4	1 30	15 1	0 43	7 0	1 41	2 7	15 6	0 5	0 13	15 35	1 14	4 9
W 4	22 20	2 33	0 44	16 22	2 3	24 31	1 2	12 32	0 43	1 48	1 13	12 4	1 30	15 1	0 43	7 1	1 41	2 6	15 6	0 5	0 14	15 34	1 14	4 8
T 5	22 27	1s23	0n22	16 46	1 56	24 33	1 4	12 45	0 43	1 45	1 13	12 4	1 31	15 1	0 43	7 1	1 41	2 6	15 5	0 5	0 16	15 33	1 14	4 8
F 6	22 35	5 22	1 28	17 11	1 49	24 33	1 6	12 59	0 42	1 43	1 13	12 4	1 31	15 2	0 43	7 2	1 42	2 6	15 5	0 5	0 17	15 32	1 14	4 8
S 7	22 41	9 14	2 33	17 37	1 42	24 33	1 8	13 12	0 42	1 40	1 14	12 4	1 31	15 2	0 44	7 2	1 42	2 6	15 5	0 3	0 18	15 31	1 14	4 7
S 8	22 48	12 45	3 30	18 2	1 35	24 32	1 10	13 25	0 42	1 38	1 14	12 4	1 31	15 2	0 44	7 3	1 42	2 6	15 5	0 1	0 20	15 30	1 14	4 7
M 9	22 54	15 38	4 17	18 27	1 28	24 30	1 12	13 39	0 41	1 36	1 14	12 4	1 32	15 2	0 44	7 3	1 42	2 6	15 5	0n 3	0 21	15 29	1 14	4 7
T 10	22 59	17 37	4 48	18 52	1 20	24 28	1 14	13 52	0 41	1 33	1 14	12 4	1 32	15 3	0 44	7 4	1 42	2 6	15 4	0 7	0 22	15 28	1 14	4 6
W11	23 4	18 28	5 0	19 17	1 13	24 25	1 15	14 5	0 40	1 31	1 15	12 4	1 32	15 3	0 44	7 4	1 42	2 6	15 4	0 12	0 23	15 27	1 14	4 6
T 12	23 9	18 1	4 52	19 41	1 5	24 21	1 17	14 18	0 40	1 29	1 15	12 5	1 32	15 3	0 44	7 5	1 42	2 6	15 4	0 16	0 25	15 26	1 14	4 6
F 13	23 13	16 20	4 25	20 5	0 57	24 16	1 19	14 31	0 39	1 27	1 15	12 5	1 33	15 3	0 44	7 5	1 42	2 6	15 4	0 20	0 26	15 25	1 14	4 6
S 14	23 17	13 35	3 39	20 28	0 50	24 11	1 20	14 43	0 39	1 25	1 15	12 5	1 33	15 4	0 44	7 6	1 42	2 6	15 4	0 23	0 27	15 24	1 14	4 5
S 15	23 20	10 2	2 40	20 50	0 42	24 5	1 22	14 56	0 38	1 23	1 16	12 5	1 33	15 4	0 44	7 6	1 42	2 6	15 3	0 25	0 28	15 23	1 14	4 5
M16	23 23	5 58	1 32	21 12	0 34	23 58	1 23	15 8	0 38	1 21	1 16	12 6	1 33	15 5	0 44	7 6	1 42	2 6	15 3	0 26	0 30	15 22	1 14	4 5
T 17	23 25	1 40	0 21	21 33	0 27	23 50	1 25	15 21	0 37	1 19	1 16	12 6	1 34	15 5	0 44	7 7	1 42	2 6	15 3	0 26	0 31	15 21	1 14	4 4
W18	23 27	2n37	0s51	21 53	0 19	23 42	1 26	15 33	0 37	1 17	1 16	12 7	1 34	15 5	0 44	7 7	1 42	2 6	15 3	0 26	0 32	15 20	1 14	4 4
T 19	23 28	6 40	1 57	22 12	0 12	23 33	1 27	15 45	0 36	1 15	1 17	12 7	1 34	15 6	0 44	7 8	1 42	2 6	15 3	0 26	0 33	15 19	1 13	4 4
F 20	23 29	10 19	2 57	22 30	0 5	23 23	1 29	15 57	0 36	1 13	1 17	12 8	1 34	15 6	0 44	7 8	1 42	2 6	15 2	0 28	0 35	15 18	1 13	4 3
S 21	23 29	13 26	3 46	22 47	0s 3	23 12	1 30	16 9	0 35	1 12	1 17	12 8	1 34	15 7	0 44	7 8	1 42	2 6	15 2	0 30	0 36	15 17	1 13	4 3
S 22	23 29	15 53	4 24	23 3	0 10	23 1	1 31	16 21	0 35	1 10	1 17	12 9	1 35	15 7	0 44	7 9	1 42	2 6	15 2	0 34	0 37	15 16	1 13	4 3
M23	23 28	17 33	4 48	23 18	0 17	22 49	1 32	16 33	0 34	1 9	1 18	12 9	1 35	15 8	0 44	7 9	1 42	2 6	15 2	0 39	0 39	15 15	1 12	4 3
T 24	23 27	18 24	4 59	23 32	0 24	22 36	1 33	16 45	0 34	1 7	1 18	12 10	1 35	15 8	0 44	7 9	1 42	2 6	15 1	0 45	0 40	15 14	1 12	4 2
W25	23 26	18 23	4 56	23 45	0 30	22 23	1 34	16 56	0 33	1 6	1 18	12 11	1 35	15 9	0 44	7 10	1 43	2 6	15 1	0 51	0 41	15 12	1 12	4 2
T 26	23 24	17 33	4 40	23 57	0 37	22 9	1 35	17 7	0 33	1 5	1 18	12 11	1 36	15 9	0 44	7 10	1 43	2 6	15 1	0 57	0 42	15 11	1 11	4 2
F 27	23 21	15 57	4 12	24 7	0 43	21 55	1 36	17 19	0 32	1 4	1 19	12 12	1 36	15 10	0 44	7 10	1 43	2 6	15 0	1 2	0 44	15 10	1 11	4 1
S 28	23 18	13 42	3 32	24 16	0 50	21 39	1 36	17 30	0 32	1 2	1 19	12 13	1 36	15 10	0 44	7 11	1 43	2 6	15 0	1 6	0 45	15 9	1 11	4 1
S 29	23 15	10 52	2 44	24 24	0 56	21 23	1 37	17 41	0 31	1 1	1 19	12 14	1 36	15 11	0 44	7 11	1 43	2 6	15 0	1 9	0 46	15 8	1 10	4 1
M30	23 11	7 36	1 48	24 31	1 2	21 7	1 38	17 52	0 30	1 0	1 20	12 15	1 37	15 11	0 44	7 11	1 43	2 6	15 0	1 10	0 47	15 7	1 10	4 1
T 31	23s 7	4n 1	0s48	24s36	1s 7	20s50	1s38	18s 2	0n30	1n 0	1n20	12n16	1n37	15n12	0n44	7s11	1n43	2n 7	14s59	1n11	0n49	15n 6	1s 9	4n 0

Julian Day Number = 2314548.5, Delta T = 62.17 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'19, Lahiri = 18°37'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

JANUARY 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 43 8	10♉55'36	0♎ 8	2♉51	5♒28	23♏31	0♎37	2°R 3	21°R 3	22♎32	15°R22	27°D 1	27♍55	4♌53	17♓48	W 1
T 2	6 47 4	11°56'46	12°30	4°25	6°43	24°11	0°40	2♍ 1	21♌ 1	22°33	15♉22	27°R 2	27°52	5° 0	17°50	T 2
F 3	6 51 1	12°57'56	25°13	6° 0	7°57	24°51	0°42	1°59	21° 0	22°34	15°21	27♍ 1	27°48	5° 6	17°51	F 3
S 4	6 54 57	13°59'07	8♏22	7°35	9°12	25°31	0°44	1°56	20°58	22°34	15°21	26°59	27°45	5°13	17°53	S 4
S 5	6 58 54	15° 0'17	22° 0	9°10	10°27	26°11	0°46	1°54	20°56	22°35	15°20	26°54	27°42	5°20	17°56	S 5
M 6	7 2 50	16° 1'27	6♐ 9	10°46	11°41	26°51	0°48	1°51	20°54	22°36	15°20	26°46	27°39	5°26	17°58	M 6
T 7	7 6 47	17° 2'37	20°46	12°23	12°56	27°31	0°49	1°49	20°52	22°36	15°19	26°37	27°36	5°33	18° 0	T 7
W 8	7 10 44	18° 3'47	5♉46	14° 0	14°10	28°11	0°51	1°46	20°50	22°37	15°19	26°26	27°33	5°40	18° 2	W 8
T 9	7 14 40	19° 4'56	21° 0	15°37	15°25	28°51	0°52	1°43	20°48	22°37	15°19	26°15	27°29	5°46	18° 4	T 9
F 10	7 18 37	20° 6'05	6♒17	17°15	16°39	29°31	0°53	1°40	20°46	22°38	15°18	26° 6	27°26	5°53	18° 7	F 10
S 11	7 22 33	21° 7'14	21°26	18°54	17°54	0♐12	0°54	1°37	20°43	22°38	15°18	25°59	27°23	6° 0	18° 9	S 11
S 12	7 26 30	22° 8'21	6♓17	20°33	19° 8	0°52	0°55	1°34	20°41	22°39	15°17	25°55	27°20	6° 7	18°11	S 12
M13	7 30 26	23° 9'28	20°45	22°12	20°23	1°32	0°55	1°31	20°39	22°39	15°17	25°D54	27°17	6°13	18°14	M13
T 14	7 34 23	24°10'34	4♈47	23°52	21°37	2°12	0°55	1°28	20°37	22°39	15°17	25°54	27°13	6°20	18°16	T 14
W15	7 38 20	25°11'39	18°23	25°33	22°52	2°52	0°R56	1°24	20°35	22°40	15°16	25°54	27°10	6°27	18°19	W15
T 16	7 42 16	26°12'43	1♉35	27°14	24° 6	3°32	0°55	1°21	20°32	22°40	15°16	25°R54	27° 7	6°33	18°21	T 16
F 17	7 46 13	27°13'46	14°27	28°56	25°20	4°12	0°55	1°17	20°30	22°40	15°16	25°53	27° 4	6°40	18°24	F 17
S 18	7 50 9	28°14'47	27° 2	0♒38	26°35	4°52	0°55	1°14	20°28	22°40	15°16	25°49	27° 1	6°47	18°27	S 18
S 19	7 54 6	29°15'48	9♊24	2°21	27°49	5°33	0°54	1°10	20°25	22°40	15°15	25°42	26°58	6°53	18°29	S 19
M20	7 58 2	0♒16'48	21°35	4° 5	29° 3	6°13	0°53	1° 6	20°23	22°41	15°15	25°34	26°54	7° 0	18°32	M20
T 21	8 1 59	1°17'47	3♋39	5°49	0♓17	6°53	0°52	1° 3	20°20	22°41	15°15	25°23	26°51	7° 7	18°35	T 21
W22	8 5 55	2°18'45	15°37	7°33	1°31	7°33	0°51	0°59	20°18	22°41	15°15	25°12	26°48	7°13	18°37	W22
T 23	8 9 52	3°19'42	27°31	9°18	2°45	8°13	0°49	0°55	20°15	22°R41	15°15	25° 2	26°45	7°20	18°40	T 23
F 24	8 13 49	4°20'37	9♌22	11° 3	3°59	8°54	0°48	0°51	20°13	22°41	15°15	24°53	26°42	7°27	18°43	F 24
S 25	8 17 45	5°21'32	21°12	12°49	5°13	9°34	0°46	0°47	20°10	22°41	15°15	24°45	26°39	7°34	18°46	S 25
S 26	8 21 42	6°22'26	3♍ 3	14°35	6°27	10°14	0°44	0°43	20° 8	22°41	15°14	24°40	26°35	7°40	18°49	S 26
M27	8 25 38	7°23'19	14°56	16°21	7°41	10°54	0°42	0°38	20° 5	22°40	15°14	24°38	26°32	7°47	18°52	M27
T 28	8 29 35	8°24'10	26°56	18° 7	8°55	11°35	0°39	0°34	20° 3	22°40	15°14	24°D37	26°29	7°54	18°55	T 28
W29	8 33 31	9°25'01	9♎ 5	19°53	10° 9	12°15	0°37	0°30	20° 0	22°40	15°D14	24°38	26°26	8° 0	18°58	W29
T 30	8 37 28	10°25'51	21°27	21°39	11°22	12°55	0°34	0°25	19°58	22°40	15°14	24°39	26°23	8° 7	19° 1	T 30
F 31	8 41 24	11♒26'40	4♏ 8	23♒25	12♓36	13♐36	0♎31	0♍21	19♌55	22♎40	15♉14	24♍41	26♍19	8♌14	19♓ 4	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 2	0n12	0n17	24s40	1s13	20s32	1s39	18s13	0n29	0n59	1n20	12n16	1n37	15n13	0n44	7s12	1n43	2n 7	14s59	1n11	0n50	15n 5	1s 9	4n 0
T 2	22 57	3s42	1 21	24 43	1 18	20 14	1 39	18 23	0 29	0 58	1 20	12 17	1 37	15 13	0 45	7 12	1 43	2 7	14 59	1 11	0 51	15 4	1 8	4 0
F 3	22 51	7 33	2 24	24 44	1 23	19 55	1 39	18 34	0 28	0 57	1 21	12 18	1 38	15 14	0 45	7 12	1 43	2 7	14 59	1 11	0 52	15 3	1 8	4 0
S 4	22 45	11 9	3 21	24 44	1 28	19 35	1 40	18 44	0 28	0 57	1 21	12 20	1 38	15 14	0 45	7 12	1 43	2 7	14 58	1 12	0 54	15 2	1 7	3 59
S 5	22 38	14 18	4 9	24 42	1 32	19 15	1 40	18 54	0 27	0 56	1 21	12 21	1 38	15 15	0 45	7 12	1 43	2 7	14 58	1 14	0 55	15 1	1 7	3 59
M 6	22 31	16 43	4 43	24 39	1 37	18 55	1 40	19 4	0 26	0 56	1 21	12 22	1 38	15 16	0 45	7 13	1 43	2 7	14 58	1 17	0 56	15 0	1 6	3 59
T 7	22 24	18 10	5 1	24 35	1 41	18 34	1 40	19 14	0 26	0 55	1 22	12 23	1 38	15 16	0 45	7 13	1 43	2 8	14 57	1 21	0 57	14 59	1 6	3 59
W 8	22 16	18 23	4 58	24 29	1 45	18 12	1 40	19 23	0 25	0 55	1 22	12 24	1 39	15 17	0 45	7 13	1 43	2 8	14 57	1 25	0 59	14 58	1 5	3 58
T 9	22 7	17 19	4 35	24 22	1 48	17 50	1 40	19 33	0 25	0 55	1 22	12 25	1 39	15 18	0 45	7 13	1 43	2 8	14 57	1 30	1 0	14 57	1 4	3 58
F 10	21 59	15 0	3 52	24 13	1 51	17 27	1 40	19 42	0 24	0 55	1 23	12 27	1 39	15 18	0 45	7 13	1 43	2 8	14 56	1 33	1 1	14 55	1 4	3 58
S 11	21 49	11 40	2 53	24 2	1 54	17 4	1 39	19 51	0 23	0 54	1 23	12 28	1 39	15 19	0 45	7 13	1 44	2 8	14 56	1 36	1 3	14 54	1 3	3 58
S 12	21 40	7 38	1 43	23 50	1 57	16 41	1 39	20 0	0 23	0 54	1 23	12 29	1 39	15 20	0 45	7 13	1 44	2 8	14 56	1 37	1 4	14 53	1 2	3 57
M13	21 30	3 15	0 27	23 37	1 59	16 17	1 39	20 9	0 22	0 55	1 23	12 30	1 40	15 21	0 45	7 13	1 44	2 9	14 55	1 38	1 5	14 52	1 2	3 57
T 14	21 19	1n11	0s47	23 21	2 1	15 52	1 38	20 18	0 21	0 55	1 24	12 32	1 40	15 21	0 45	7 13	1 44	2 9	14 55	1 38	1 6	14 51	1 1	3 57
W15	21 8	5 25	1 57	23 5	2 3	15 27	1 38	20 26	0 21	0 55	1 24	12 33	1 40	15 22	0 45	7 13	1 44	2 9	14 55	1 38	1 8	14 50	1 0	3 57
T 16	20 57	9 15	2 59	22 46	2 4	15 2	1 37	20 34	0 20	0 55	1 24	12 35	1 40	15 23	0 45	7 14	1 44	2 9	14 55	1 38	1 9	14 49	0 59	3 56
F 17	20 45	12 33	3 49	22 27	2 4	14 37	1 36	20 43	0 19	0 56	1 25	12 36	1 40	15 24	0 45	7 14	1 44	2 10	14 54	1 38	1 10	14 48	0 58	3 56
S 18	20 33	15 11	4 28	22 5	2 5	14 10	1 35	20 51	0 19	0 56	1 25	12 38	1 41	15 24	0 45	7 14	1 44	2 10	14 54	1 40	1 11	14 47	0 58	3 56
S 19	20 21	17 4	4 53	21 42	2 5	13 44	1 34	20 59	0 18	0 57	1 25	12 39	1 41	15 25	0 45	7 14	1 44	2 10	14 54	1 43	1 13	14 46	0 57	3 56
M20	20 8	18 9	5 4	21 17	2 4	13 17	1 34	21 6	0 17	0 57	1 25	12 41	1 41	15 26	0 45	7 14	1 44	2 10	14 53	1 46	1 14	14 45	0 56	3 55
T 21	19 55	18 24	5 2	20 51	2 3	12 50	1 32	21 14	0 17	0 58	1 26	12 42	1 41	15 27	0 45	7 14	1 44	2 11	14 53	1 50	1 15	14 43	0 55	3 55
W22	19 41	17 50	4 46	20 23	2 2	12 23	1 31	21 21	0 16	0 59	1 26	12 44	1 41	15 28	0 45	7 14	1 44	2 11	14 53	1 54	1 16	14 42	0 54	3 55
T 23	19 27	16 29	4 18	19 53	2 0	11 55	1 30	21 28	0 15	0 59	1 26	12 45	1 42	15 28	0 45	7 13	1 44	2 11	14 52	1 59	1 18	14 41	0 53	3 55
F 24	19 13	14 25	3 39	19 22	1 57	11 27	1 29	21 35	0 14	1 0	1 26	12 47	1 42	15 29	0 45	7 13	1 44	2 11	14 52	2 2	1 19	14 40	0 52	3 55
S 25	18 58	11 46	2 50	18 49	1 54	10 58	1 28	21 42	0 14	1 1	1 27	12 48	1 42	15 30	0 45	7 13	1 44	2 12	14 52	2 5	1 20	14 39	0 51	3 54
S 26	18 43	8 38	1 54	18 15	1 50	10 30	1 26	21 49	0 13	1 2	1 27	12 50	1 42	15 31	0 45	7 13	1 44	2 12	14 51	2 7	1 22	14 38	0 51	3 54
M27	18 28	5 9	0 52	17 39	1 46	10 1	1 25	21 55	0 12	1 3	1 27	12 52	1 42	15 32	0 45	7 13	1 45	2 12	14 51	2 8	1 23	14 37	0 50	3 54
T 28	18 12	1 25	0n13	17 2	1 41	9 32	1 23	22 2	0 11	1 5	1 28	12 53	1 42	15 32	0 45	7 13	1 45	2 13	14 51	2 9	1 24	14 36	0 49	3 54
W29	17 56	2s25	1 18	16 23	1 36	9 2	1 21	22 8	0 11	1 6	1 28	12 55	1 43	15 33	0 45	7 13	1 45	2 13	14 50	2 8	1 25	14 35	0 48	3 54
T 30	17 40	6 13	2 20	15 43	1 29	8 32	1 20	22 14	0 10	1 7	1 28	12 57	1 43	15 34	0 45	7 13	1 45	2 13	14 50	2 8	1 27	14 33	0 47	3 53
F 31	17s23	9s49	3n18	15s 2	1s22	8s 3	1s18	22s20	0n 9	1n 9	1n28	12n58	1n43	15n35	0n45	7s13	1n45	2n14	14s50	2n 7	1n28	14n32	0s46	3n53

Julian Day Number = 2314579.5, Delta T = 62.10 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'23, Lahiri = 18°37'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

FEBRUARY 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 45 21	12♒27'29	17♏11	25♒10	13♓50	14♐16	0°R28	0°R17	19°R53	22°R39	15♉14	24°R41	26♍16	8♌20	19♓ 7	S 1
S 2	8 49 17	13°28'16	0♐40	26°53	15° 3	14°56	0♎25	0♍12	19♌50	22♎39	15°15	24♍39	26°13	8°27	19°10	S 2
M 3	8 53 14	14°29'02	14°37	28°36	16°17	15°37	0°21	0° 8	19°47	22°39	15°15	24°36	26°10	8°34	19°14	M 3
T 4	8 57 11	15°29'47	29° 1	0♓16	17°31	16°17	0°18	0° 3	19°45	22°38	15°15	24°31	26° 7	8°40	19°17	T 4
W 5	9 1 7	16°30'32	13♑51	1°55	18°44	16°57	0°14	29♌58	19°42	22°38	15°15	24°26	26° 4	8°47	19°20	W 5
T 6	9 5 4	17°31'15	28°58	3°31	19°57	17°38	0°10	29°54	19°40	22°38	15°15	24°20	26° 0	8°54	19°23	T 6
F 7	9 9 0	18°31'56	14♒15	5° 4	21°11	18°18	0° 6	29°49	19°37	22°37	15°15	24°15	25°57	9° 0	19°27	F 7
S 8	9 12 57	19°32'36	29°29	6°33	22°24	18°59	0° 1	29°44	19°34	22°37	15°16	24°11	25°54	9° 7	19°30	S 8
S 9	9 16 53	20°33'15	14♓31	7°58	23°37	19°39	29♍57	29°40	19°32	22°36	15°16	24° 9	25°51	9°14	19°33	S 9
M10	9 20 50	21°33'52	29°13	9°18	24°50	20°20	29°52	29°35	19°29	22°35	15°16	24°D 9	25°48	9°21	19°37	M10
T 11	9 24 46	22°34'27	13♈29	10°32	26° 4	21° 0	29°47	29°30	19°26	22°35	15°16	24°10	25°44	9°27	19°40	T 11
W12	9 28 43	23°35'01	27°17	11°40	27°17	21°40	29°42	29°25	19°24	22°34	15°17	24°11	25°41	9°34	19°44	W12
T 13	9 32 40	24°35'32	10♉39	12°40	28°30	22°21	29°37	29°20	19°21	22°34	15°17	24°13	25°38	9°41	19°47	T 13
F 14	9 36 36	25°36'02	23°36	13°33	29°43	23° 1	29°32	29°16	19°19	22°33	15°17	24°R14	25°35	9°47	19°50	F 14
S 15	9 40 33	26°36'30	6♊12	14°18	0♈55	23°42	29°27	29°11	19°16	22°32	15°18	24°13	25°32	9°54	19°54	S 15
S 16	9 44 29	27°36'56	18°31	14°54	2° 8	24°22	29°21	29° 6	19°13	22°31	15°18	24°11	25°29	10° 1	19°57	S 16
M17	9 48 26	28°37'20	0♋38	15°20	3°21	25° 3	29°15	29° 1	19°11	22°31	15°18	24° 9	25°25	10° 7	20° 1	M17
T 18	9 52 22	29°37'43	12°36	15°37	4°33	25°43	29° 9	28°56	19° 8	22°30	15°19	24° 5	25°22	10°14	20° 5	T 18
W19	9 56 19	0♓38'03	24°28	15°R43	5°46	26°24	29° 3	28°52	19° 6	22°29	15°19	24° 1	25°19	10°21	20° 8	W19
T 20	10 0 15	1°38'22	6♌18	15°40	6°58	27° 4	28°57	28°47	19° 3	22°28	15°20	23°57	25°16	10°27	20°12	T 20
F 21	10 4 12	2°38'38	18° 8	15°28	8°11	27°45	28°51	28°42	19° 1	22°27	15°20	23°53	25°13	10°34	20°15	F 21
S 22	10 8 9	3°38'53	0♍ 0	15° 5	9°23	28°25	28°45	28°37	18°58	22°26	15°21	23°50	25°10	10°41	20°19	S 22
S 23	10 12 5	4°39'06	11°57	14°34	10°35	29° 6	28°38	28°32	18°55	22°25	15°21	23°49	25° 6	10°47	20°22	S 23
M24	10 16 2	5°39'17	23°59	13°56	11°47	29°46	28°32	28°27	18°53	22°24	15°22	23°D48	25° 3	10°54	20°26	M24
T 25	10 19 58	6°39'26	6♎ 9	13°10	13° 0	0♑27	28°25	28°23	18°51	22°23	15°22	23°49	25° 0	11° 1	20°30	T 25
W26	10 23 55	7°39'34	18°29	12°18	14°11	1° 7	28°18	28°18	18°48	22°22	15°23	23°50	24°57	11° 7	20°33	W26
T 27	10 27 51	8°39'40	1♏ 2	11°22	15°23	1°48	28°11	28°13	18°46	22°21	15°24	23°51	24°54	11°14	20°37	T 27
F 28	10 31 48	9♓39'45	13♏50	10♓23	16♈35	2♑28	28♍ 4	28♌ 9	18♌43	22♎20	15♉24	23♍53	24♍50	11♌21	20♓41	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s 6	13s 3	4n 7	14s20	1s15	7s32	1s16	22s25	0n 8	1n10	1n29	13n 0	1n43	15n36	0n45	7s12	1n45	2n14	14s49	2n 7	1n29	14n31	0s44	3n53
S 2	16 49	15 42	4 44	13 37	1 6	7 2	1 14	22 31	0 7	1 12	1 29	13 2	1 43	15 37	0 45	7 12	1 45	2 14	14 49	2 8	1 30	14 30	0 43	3 53
M 3	16 31	17 32	5 6	12 53	0 57	6 32	1 12	22 36	0 7	1 13	1 29	13 4	1 43	15 37	0 45	7 12	1 45	2 15	14 49	2 9	1 32	14 29	0 42	3 53
T 4	16 13	18 19	5 10	12 8	0 47	6 1	1 10	22 41	0 6	1 15	1 29	13 5	1 43	15 38	0 45	7 12	1 45	2 15	14 48	2 11	1 33	14 28	0 41	3 52
W 5	15 55	17 54	4 53	11 23	0 37	5 30	1 8	22 46	0 5	1 17	1 30	13 7	1 44	15 39	0 45	7 12	1 45	2 15	14 48	2 13	1 34	14 27	0 40	3 52
T 6	15 37	16 14	4 16	10 38	0 26	4 59	1 6	22 50	0 4	1 18	1 30	13 9	1 44	15 40	0 45	7 12	1 45	2 16	14 48	2 15	1 35	14 25	0 39	3 52
F 7	15 18	13 23	3 21	9 53	0 13	4 28	1 3	22 55	0 3	1 20	1 30	13 11	1 44	15 41	0 45	7 11	1 45	2 16	14 47	2 17	1 37	14 24	0 38	3 52
S 8	14 59	9 38	2 11	9 8	0 1	3 57	1 1	22 59	0 3	1 22	1 30	13 12	1 44	15 42	0 45	7 11	1 45	2 16	14 47	2 19	1 38	14 23	0 37	3 52
S 9	14 40	5 18	0 52	8 24	0n13	3 26	0 59	23 3	0 2	1 24	1 31	13 14	1 44	15 42	0 45	7 11	1 45	2 17	14 47	2 20	1 39	14 22	0 36	3 52
M10	14 21	0 44	0s28	7 41	0 27	2 55	0 56	23 7	0 1	1 26	1 31	13 16	1 44	15 43	0 45	7 11	1 45	2 17	14 46	2 20	1 40	14 21	0 34	3 51
T 11	14 1	3n44	1 44	7 0	0 41	2 23	0 54	23 11	0s 0	1 28	1 31	13 18	1 44	15 44	0 45	7 10	1 45	2 18	14 46	2 19	1 42	14 20	0 33	3 51
W12	13 41	7 51	2 52	6 20	0 56	1 52	0 51	23 14	0 1	1 31	1 31	13 20	1 44	15 45	0 45	7 10	1 46	2 18	14 46	2 19	1 43	14 19	0 32	3 51
T 13	13 21	11 26	3 48	5 43	1 11	1 20	0 48	23 18	0 2	1 33	1 31	13 21	1 45	15 46	0 45	7 10	1 46	2 18	14 45	2 18	1 44	14 17	0 31	3 51
F 14	13 1	14 20	4 30	5 8	1 27	0 49	0 46	23 21	0 3	1 35	1 32	13 23	1 45	15 47	0 45	7 9	1 46	2 19	14 45	2 18	1 46	14 16	0 30	3 51
S 15	12 40	16 29	4 59	4 37	1 42	0 17	0 43	23 24	0 4	1 38	1 32	13 25	1 45	15 47	0 45	7 9	1 46	2 19	14 45	2 18	1 47	14 15	0 28	3 51
S 16	12 19	17 48	5 12	4 9	1 58	0n14	0 40	23 26	0 5	1 40	1 32	13 27	1 45	15 48	0 45	7 9	1 46	2 20	14 44	2 19	1 48	14 14	0 27	3 50
M17	11 59	18 17	5 12	3 45	2 13	0 46	0 37	23 29	0 5	1 42	1 32	13 29	1 45	15 49	0 45	7 8	1 46	2 20	14 44	2 20	1 49	14 13	0 26	3 50
T 18	11 37	17 57	4 58	3 25	2 28	1 18	0 34	23 31	0 6	1 45	1 32	13 30	1 45	15 50	0 45	7 8	1 46	2 20	14 44	2 21	1 51	14 12	0 25	3 50
W19	11 16	16 49	4 31	3 9	2 42	1 49	0 31	23 33	0 7	1 47	1 33	13 32	1 45	15 51	0 45	7 8	1 46	2 21	14 43	2 23	1 52	14 10	0 23	3 50
T 20	10 55	14 59	3 53	2 58	2 55	2 21	0 28	23 35	0 8	1 50	1 33	13 34	1 45	15 51	0 45	7 7	1 46	2 21	14 43	2 25	1 53	14 9	0 22	3 50
F 21	10 33	12 30	3 4	2 52	3 7	2 52	0 25	23 37	0 9	1 53	1 33	13 36	1 45	15 52	0 45	7 7	1 46	2 22	14 43	2 26	1 54	14 8	0 21	3 50
S 22	10 11	9 30	2 8	2 51	3 17	3 24	0 22	23 39	0 10	1 55	1 33	13 37	1 45	15 53	0 45	7 7	1 46	2 22	14 42	2 27	1 56	14 7	0 20	3 50
S 23	9 49	6 6	1 5	2 55	3 26	3 55	0 19	23 40	0 11	1 58	1 33	13 39	1 45	15 54	0 45	7 6	1 46	2 23	14 42	2 28	1 57	14 6	0 18	3 50
M24	9 27	2 25	0n 1	3 3	3 33	4 26	0 15	23 41	0 12	2 1	1 34	13 41	1 45	15 54	0 45	7 6	1 46	2 23	14 42	2 28	1 58	14 5	0 17	3 49
T 25	9 5	1s25	1 8	3 16	3 39	4 57	0 12	23 42	0 13	2 4	1 34	13 43	1 45	15 55	0 45	7 5	1 46	2 24	14 41	2 28	1 59	14 3	0 16	3 49
W26	8 43	5 13	2 12	3 32	3 42	5 28	0 9	23 43	0 14	2 7	1 34	13 44	1 46	15 56	0 45	7 5	1 46	2 24	14 41	2 27	2 1	14 2	0 14	3 49
T 27	8 20	8 51	3 12	3 53	3 43	5 59	0 5	23 44	0 15	2 9	1 34	13 46	1 46	15 57	0 45	7 4	1 46	2 25	14 41	2 27	2 2	14 1	0 13	3 49
F 28	7s58	12s 9	4n 3	4s16	3n42	6n30	0s 2	23s44	0s16	2n12	1n34	13n48	1n46	15n57	0n45	7s 4	1n46	2n25	14s41	2n26	2n 3	14n 0	0s12	3n49

Julian Day Number = 2314610.5, Delta T = 62.02 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'27, Lahiri = 18°37'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

MARCH 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 35 44	10♓39'48	26♏55	9°R22	17♈47	3♉ 9	27°R57	28°R 4	18°R41	22°R19	15♉25	23♍53	24♍47	11♌27	20♓44	S 1
S 2	10 39 41	11°39'49	10♐21	8♓21	18°58	3°49	27♍50	27♌59	18♌38	22♎18	15°26	23°R54	24°44	11°34	20°48	S 2
M 3	10 43 38	12°39'49	24° 8	7°21	20°10	4°30	27°43	27°55	18°36	22°17	15°26	23°54	24°41	11°41	20°52	M 3
T 4	10 47 34	13°39'47	8♑17	6°24	21°21	5°11	27°36	27°50	18°34	22°16	15°27	23°53	24°38	11°48	20°55	T 4
W 5	10 51 31	14°39'43	22°47	5°30	22°33	5°51	27°28	27°46	18°32	22°14	15°28	23°52	24°35	11°54	20°59	W 5
T 6	10 55 27	15°39'38	7♒34	4°40	23°44	6°32	27°21	27°41	18°29	22°13	15°28	23°51	24°31	12° 1	21° 3	T 6
F 7	10 59 24	16°39'31	22°32	3°56	24°55	7°12	27°13	27°37	18°27	22°12	15°29	23°50	24°28	12° 8	21° 7	F 7
S 8	11 3 20	17°39'22	7♓32	3°18	26° 6	7°53	27° 6	27°32	18°25	22°11	15°30	23°50	24°25	12°14	21°10	S 8
S 9	11 7 17	18°39'11	22°26	2°45	27°17	8°33	26°58	27°28	18°23	22° 9	15°31	23°D49	24°22	12°21	21°14	S 9
M10	11 11 13	19°38'58	7♈ 7	2°19	28°28	9°14	26°51	27°24	18°21	22° 8	15°32	23°49	24°19	12°28	21°18	M10
T 11	11 15 10	20°38'43	21°28	1°59	29°39	9°54	26°43	27°19	18°18	22° 7	15°32	23°50	24°16	12°34	21°21	T 11
W12	11 19 7	21°38'26	5♉24	1°45	0♉49	10°35	26°35	27°15	18°16	22° 5	15°33	23°50	24°12	12°41	21°25	W12
T 13	11 23 3	22°38'07	18°54	1°38	2° 0	11°16	26°28	27°11	18°14	22° 4	15°34	23°50	24° 9	12°48	21°29	T 13
F 14	11 27 0	23°37'45	1♊59	1°D37	3°10	11°56	26°20	27° 7	18°12	22° 3	15°35	23°R50	24° 6	12°54	21°33	F 14
S 15	11 30 56	24°37'21	14°41	1°41	4°20	12°37	26°12	27° 3	18°10	22° 1	15°36	23°50	24° 3	13° 1	21°36	S 15
S 16	11 34 53	25°36'55	27° 3	1°52	5°30	13°17	26° 4	26°59	18° 8	22° 0	15°37	23°D50	24° 0	13° 8	21°40	S 16
M17	11 38 49	26°36'27	9♋11	2° 7	6°40	13°58	25°57	26°55	18° 7	21°58	15°38	23°50	23°56	13°14	21°44	M17
T 18	11 42 46	27°35'56	21° 8	2°28	7°50	14°38	25°49	26°51	18° 5	21°57	15°39	23°51	23°53	13°21	21°47	T 18
W19	11 46 42	28°35'23	2♌59	2°54	9° 0	15°19	25°41	26°47	18° 3	21°56	15°40	23°51	23°50	13°28	21°51	W19
T 20	11 50 39	29°34'47	14°48	3°24	10° 9	15°59	25°33	26°44	18° 1	21°54	15°41	23°52	23°47	13°34	21°55	T 20
F 21	11 54 35	0♈34'10	26°39	3°59	11°19	16°40	25°26	26°40	17°59	21°53	15°42	23°52	23°44	13°41	21°59	F 21
S 22	11 58 32	1°33'30	8♍35	4°37	12°28	17°20	25°18	26°37	17°58	21°51	15°43	23°53	23°41	13°48	22° 2	S 22
S 23	12 2 29	2°32'48	20°39	5°20	13°37	18° 1	25°10	26°33	17°56	21°50	15°44	23°R53	23°37	13°54	22° 6	S 23
M24	12 6 25	3°32'04	2♎54	6° 6	14°46	18°41	25° 3	26°30	17°54	21°48	15°45	23°53	23°34	14° 1	22°10	M24
T 25	12 10 22	4°31'17	15°19	6°55	15°55	19°22	24°55	26°27	17°53	21°46	15°46	23°52	23°31	14° 8	22°13	T 25
W26	12 14 18	5°30'29	27°57	7°48	17° 4	20° 2	24°47	26°23	17°51	21°45	15°47	23°51	23°28	14°14	22°17	W26
T 27	12 18 15	6°29'39	10♏49	8°44	18°12	20°43	24°40	26°20	17°50	21°43	15°48	23°50	23°25	14°21	22°21	T 27
F 28	12 22 11	7°28'47	23°54	9°43	19°21	21°23	24°32	26°17	17°48	21°42	15°49	23°48	23°21	14°28	22°24	F 28
S 29	12 26 8	8°27'53	7♐13	10°44	20°29	22° 4	24°25	26°14	17°47	21°40	15°50	23°46	23°18	14°34	22°28	S 29
S 30	12 30 4	9°26'57	20°47	11°48	21°37	22°44	24°18	26°11	17°46	21°39	15°51	23°45	23°15	14°41	22°31	S 30
M31	12 34 1	10♈26'00	4♑35	12♓55	22♉45	23♑25	24♍11	26♌ 9	17♌44	21♎37	15♉52	23°D44	23♍12	14♌48	22♓35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s35	14s55	4n43	4s41	3n39	7n 1	0n 2	23s44	0s17	2n15	1n34	13n49	1n46	15n58	0n45	7s 4	1n46	2n25	14s40	2n26	2n 4	13n59	0s10	3n49
S 2	7 12	16 57	5 8	5 9	3 34	7 31	0 5	23 44	0 18	2 18	1 34	13 51	1 46	15 59	0 45	7 3	1 46	2 26	14 40	2 26	2 6	13 57	0 9	3 49
M 3	6 49	18 4	5 17	5 38	3 27	8 2	0 9	23 44	0 19	2 21	1 35	13 53	1 46	16 0	0 45	7 3	1 46	2 26	14 40	2 26	2 7	13 56	0 7	3 49
T 4	6 26	18 7	5 7	6 7	3 18	8 32	0 12	23 43	0 20	2 24	1 35	13 54	1 46	16 0	0 45	7 2	1 47	2 27	14 39	2 26	2 8	13 55	0 6	3 49
W 5	6 3	16 59	4 38	6 36	3 8	9 2	0 16	23 43	0 21	2 27	1 35	13 56	1 46	16 1	0 45	7 2	1 47	2 27	14 39	2 26	2 10	13 54	0 5	3 49
T 6	5 40	14 43	3 50	7 5	2 56	9 32	0 19	23 42	0 23	2 30	1 35	13 57	1 46	16 2	0 45	7 1	1 47	2 28	14 39	2 27	2 11	13 53	0 3	3 48
F 7	5 17	11 26	2 45	7 32	2 44	10 1	0 23	23 41	0 24	2 33	1 35	13 59	1 46	16 2	0 45	7 1	1 47	2 28	14 39	2 27	2 12	13 51	0 2	3 48
S 8	4 53	7 23	1 29	7 59	2 31	10 31	0 27	23 40	0 25	2 37	1 35	14 0	1 46	16 3	0 45	7 0	1 47	2 29	14 38	2 27	2 13	13 50	0 1	3 48
S 9	4 30	2 53	0 8	8 23	2 17	11 0	0 30	23 38	0 26	2 40	1 35	14 2	1 46	16 4	0 45	7 0	1 47	2 29	14 38	2 27	2 15	13 49	0n 1	3 48
M10	4 6	1n43	1s13	8 46	2 2	11 29	0 34	23 37	0 27	2 43	1 35	14 3	1 46	16 4	0 45	6 59	1 47	2 30	14 38	2 27	2 16	13 48	0 2	3 48
T 11	3 43	6 6	2 28	9 7	1 47	11 57	0 38	23 35	0 28	2 46	1 35	14 5	1 46	16 5	0 45	6 59	1 47	2 30	14 37	2 27	2 17	13 47	0 4	3 48
W12	3 19	10 2	3 31	9 26	1 33	12 26	0 41	23 33	0 29	2 49	1 35	14 6	1 46	16 6	0 45	6 58	1 47	2 31	14 37	2 27	2 18	13 45	0 5	3 48
T 13	2 56	13 18	4 21	9 42	1 18	12 54	0 45	23 31	0 30	2 52	1 35	14 8	1 46	16 6	0 45	6 57	1 47	2 31	14 37	2 27	2 20	13 44	0 6	3 48
F 14	2 32	15 47	4 55	9 56	1 3	13 22	0 49	23 28	0 32	2 55	1 35	14 9	1 46	16 7	0 45	6 57	1 47	2 32	14 37	2 27	2 21	13 43	0 8	3 48
S 15	2 8	17 24	5 14	10 8	0 49	13 49	0 53	23 26	0 33	2 58	1 35	14 11	1 46	16 7	0 45	6 56	1 47	2 32	14 36	2 27	2 22	13 42	0 9	3 48
S 16	1 45	18 10	5 17	10 17	0 35	14 16	0 57	23 23	0 34	3 1	1 35	14 12	1 46	16 8	0 45	6 56	1 47	2 33	14 36	2 27	2 23	13 40	0 11	3 48
M17	1 21	18 4	5 7	10 25	0 21	14 43	1 0	23 20	0 35	3 5	1 36	14 13	1 46	16 9	0 45	6 55	1 47	2 33	14 36	2 27	2 25	13 39	0 12	3 48
T 18	0 57	17 10	4 43	10 30	0 8	15 10	1 4	23 17	0 36	3 8	1 36	14 14	1 46	16 9	0 45	6 55	1 47	2 34	14 36	2 27	2 26	13 38	0 14	3 48
W19	0 34	15 32	4 7	10 32	0s 5	15 36	1 8	23 14	0 38	3 11	1 36	14 16	1 46	16 10	0 45	6 54	1 47	2 34	14 35	2 27	2 27	13 37	0 15	3 48
T 20	0 10	13 14	3 21	10 33	0 18	16 2	1 12	23 10	0 39	3 14	1 36	14 17	1 46	16 10	0 45	6 54	1 47	2 35	14 35	2 27	2 28	13 36	0 16	3 48
F 21	0n14	10 22	2 26	10 32	0 29	16 27	1 15	23 6	0 40	3 17	1 36	14 18	1 46	16 11	0 45	6 53	1 47	2 35	14 35	2 26	2 30	13 34	0 18	3 48
S 22	0 37	7 4	1 24	10 28	0 41	16 52	1 19	23 2	0 41	3 20	1 36	14 19	1 46	16 11	0 45	6 52	1 47	2 36	14 35	2 26	2 31	13 33	0 19	3 48
S 23	1 1	3 26	0 18	10 23	0 52	17 17	1 23	22 58	0 43	3 23	1 36	14 20	1 46	16 12	0 45	6 52	1 47	2 36	14 34	2 26	2 32	13 32	0 21	3 48
M24	1 24	0s23	0n50	10 15	1 2	17 41	1 27	22 54	0 44	3 26	1 36	14 22	1 46	16 12	0 45	6 51	1 47	2 37	14 34	2 26	2 33	13 31	0 22	3 48
T 25	1 48	4 15	1 56	10 6	1 12	18 5	1 30	22 50	0 45	3 29	1 36	14 23	1 45	16 13	0 45	6 51	1 47	2 37	14 34	2 26	2 35	13 29	0 23	3 48
W26	2 12	8 0	2 58	9 55	1 21	18 28	1 34	22 45	0 46	3 32	1 35	14 24	1 45	16 13	0 45	6 50	1 47	2 38	14 34	2 27	2 36	13 28	0 25	3 48
T 27	2 35	11 26	3 52	9 42	1 30	18 51	1 38	22 40	0 48	3 35	1 35	14 25	1 45	16 14	0 45	6 49	1 47	2 38	14 33	2 27	2 37	13 27	0 26	3 47
F 28	2 58	14 21	4 34	9 27	1 38	19 14	1 41	22 35	0 49	3 38	1 35	14 26	1 45	16 14	0 45	6 49	1 47	2 39	14 33	2 28	2 39	13 26	0 28	3 47
S 29	3 22	16 34	5 3	9 11	1 46	19 36	1 45	22 30	0 50	3 41	1 35	14 27	1 45	16 14	0 45	6 48	1 47	2 39	14 33	2 29	2 40	13 24	0 29	3 47
S 30	3 45	17 55	5 16	8 53	1 53	19 57	1 49	22 25	0 52	3 44	1 35	14 28	1 45	16 15	0 45	6 48	1 47	2 40	14 33	2 29	2 41	13 23	0 31	3 47
M31	4n 8	18s14	5n11	8s34	1s59	20n18	1n52	22s19	0s53	3n46	1n35	14n29	1n45	16n15	0n45	6s47	1n47	2n40	14s33	2n30	2n42	13n22	0n32	3n47

Julian Day Number = 2314638.5, Delta T = 61.96 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'31, Lahiri = 18°37'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

APRIL 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 37 58	11♈25'01	18♉37	14♓ 4	23♉53	24♉ 5	24°R 3	26°R 6	17°R43	21°R35	15♉53	23♍44	23♍ 9	14♌55	22♓39	T 1
W 2	12 41 54	12°24'00	2♒51	15°15	25° 0	24°45	23♍56	26♌ 3	17♌42	21♎34	15°55	23°45	23° 6	15° 1	22°42	W 2
T 3	12 45 51	13°22'57	17°15	16°28	26° 8	25°26	23°49	26° 1	17°41	21°32	15°56	23°46	23° 2	15° 8	22°46	T 3
F 4	12 49 47	14°21'52	1♓47	17°44	27°15	26° 6	23°42	25°58	17°40	21°31	15°57	23°47	22°59	15°15	22°49	F 4
S 5	12 53 44	15°20'46	16°21	19° 1	28°22	26°47	23°36	25°56	17°39	21°29	15°58	23°R48	22°56	15°21	22°53	S 5
S 6	12 57 40	16°19'38	0♈54	20°21	29°29	27°27	23°29	25°54	17°38	21°27	15°59	23°48	22°53	15°28	22°56	S 6
M 7	13 1 37	17°18'28	15°17	21°43	0♊35	28° 7	23°22	25°52	17°37	21°26	16° 1	23°47	22°50	15°35	23° 0	M 7
T 8	13 5 33	18°17'15	29°27	23° 6	1°42	28°48	23°16	25°50	17°36	21°24	16° 2	23°44	22°47	15°41	23° 3	T 8
W 9	13 9 30	19°16'01	13♉18	24°31	2°48	29°28	23° 9	25°48	17°35	21°22	16° 3	23°41	22°43	15°48	23° 7	W 9
T 10	13 13 27	20°14'45	26°48	25°58	3°54	0♒ 8	23° 3	25°46	17°34	21°21	16° 4	23°37	22°40	15°55	23°10	T 10
F 11	13 17 23	21°13'27	9♊55	27°27	5° 0	0°48	22°57	25°44	17°33	21°19	16° 5	23°33	22°37	16° 1	23°13	F 11
S 12	13 21 20	22°12'06	22°41	28°58	6° 5	1°29	22°51	25°43	17°33	21°17	16° 7	23°29	22°34	16° 8	23°17	S 12
S 13	13 25 16	23°10'43	5♋ 6	0♈30	7°11	2° 9	22°45	25°41	17°32	21°16	16° 8	23°27	22°31	16°15	23°20	S 13
M14	13 29 13	24° 9'18	17°16	2° 4	8°16	2°49	22°39	25°40	17°31	21°14	16° 9	23°25	22°27	16°21	23°23	M14
T 15	13 33 9	25° 7'51	29°14	3°40	9°21	3°29	22°34	25°38	17°31	21°13	16°10	23°D25	22°24	16°28	23°27	T 15
W16	13 37 6	26° 6'22	11♌ 5	5°17	10°25	4° 9	22°28	25°37	17°30	21°11	16°12	23°26	22°21	16°35	23°30	W16
T 17	13 41 2	27° 4'50	22°55	6°56	11°30	4°49	22°23	25°36	17°30	21° 9	16°13	23°27	22°18	16°41	23°33	T 17
F 18	13 44 59	28° 3'16	4♍48	8°37	12°34	5°29	22°17	25°35	17°30	21° 8	16°14	23°29	22°15	16°48	23°36	F 18
S 19	13 48 55	29° 1'41	16°48	10°19	13°38	6° 9	22°12	25°34	17°29	21° 6	16°16	23°30	22°12	16°55	23°40	S 19
S 20	13 52 52	0♉ 0'03	28°59	12° 4	14°41	6°49	22° 8	25°33	17°29	21° 4	16°17	23°R30	22° 8	17° 1	23°43	S 20
M21	13 56 49	0°58'23	11♎25	13°50	15°45	7°29	22° 3	25°33	17°29	21° 3	16°18	23°29	22° 5	17° 8	23°46	M21
T 22	14 0 45	1°56'41	24° 7	15°37	16°48	8° 9	21°58	25°32	17°29	21° 1	16°20	23°26	22° 2	17°15	23°49	T 22
W23	14 4 42	2°54'57	7♏ 6	17°27	17°50	8°49	21°54	25°32	17°28	21° 0	16°21	23°21	21°59	17°21	23°52	W23
T 24	14 8 38	3°53'12	20°21	19°18	18°53	9°28	21°49	25°31	17°28	20°58	16°22	23°14	21°56	17°28	23°55	T 24
F 25	14 12 35	4°51'25	3♐51	21°11	19°55	10° 8	21°45	25°31	17°D28	20°56	16°24	23° 8	21°52	17°35	23°58	F 25
S 26	14 16 31	5°49'36	17°33	23° 5	20°56	10°48	21°41	25°31	17°28	20°55	16°25	23° 1	21°49	17°41	24° 1	S 26
S 27	14 20 28	6°47'46	1♑26	25° 2	21°58	11°28	21°38	25°D31	17°29	20°53	16°26	22°55	21°46	17°48	24° 4	S 27
M28	14 24 24	7°45'54	15°26	27° 0	22°59	12° 7	21°34	25°31	17°29	20°52	16°28	22°51	21°43	17°55	24° 7	M28
T 29	14 28 21	8°44'01	29°32	29° 0	23°59	12°47	21°30	25°31	17°29	20°50	16°29	22°49	21°40	18° 1	24°10	T 29
W30	14 32 18	9♉42'06	13♒41	1♉ 1	25♊ 0	13♒27	21♍27	25♌31	17♌29	20♎49	16♉30	22°D49	21♍37	18♌ 8	24♓13	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n31	17s27	4n47	8s12	2s 5	20n39	1n56	22s14	0s54	3n49	1n35	14n29	1n45	16n15	0n44	6s46	1n47	2n41	14s32	2n30	2n44	13n21	0n33	3n47
W 2	4 55	15 34	4 6	7 50	2 11	20 59	1 59	22 8	0 56	3 52	1 35	14 30	1 45	16 16	0 44	6 46	1 47	2 41	14 32	2 29	2 45	13 19	0 35	3 47
T 3	5 18	12 42	3 8	7 26	2 16	21 19	2 3	22 2	0 57	3 55	1 35	14 31	1 45	16 16	0 44	6 45	1 47	2 42	14 32	2 29	2 46	13 18	0 36	3 47
F 4	5 40	9 1	1 59	7 0	2 20	21 38	2 6	21 56	0 58	3 57	1 35	14 32	1 45	16 16	0 44	6 45	1 47	2 42	14 32	2 28	2 47	13 17	0 38	3 47
S 5	6 3	4 46	0 41	6 33	2 24	21 56	2 10	21 49	1 0	4 0	1 35	14 32	1 45	16 17	0 44	6 44	1 47	2 43	14 32	2 28	2 49	13 15	0 39	3 48
S 6	6 26	0 14	0s39	6 5	2 27	22 14	2 13	21 43	1 1	4 3	1 35	14 33	1 45	16 17	0 44	6 43	1 47	2 43	14 32	2 28	2 50	13 14	0 40	3 48
M 7	6 49	4n15	1 56	5 35	2 30	22 32	2 16	21 36	1 3	4 5	1 35	14 34	1 45	16 17	0 44	6 43	1 47	2 44	14 31	2 28	2 51	13 13	0 42	3 48
T 8	7 11	8 26	3 4	5 4	2 32	22 49	2 19	21 29	1 4	4 8	1 34	14 34	1 45	16 17	0 44	6 42	1 47	2 44	14 31	2 29	2 52	13 12	0 43	3 48
W 9	7 33	12 3	4 0	4 32	2 34	23 5	2 23	21 22	1 6	4 10	1 34	14 35	1 44	16 18	0 44	6 41	1 47	2 45	14 31	2 31	2 54	13 10	0 45	3 48
T 10	7 56	14 56	4 40	3 59	2 35	23 21	2 26	21 15	1 7	4 12	1 34	14 36	1 44	16 18	0 44	6 41	1 47	2 45	14 31	2 32	2 55	13 9	0 46	3 48
F 11	8 18	16 57	5 5	3 24	2 36	23 37	2 29	21 8	1 9	4 15	1 34	14 36	1 44	16 18	0 44	6 40	1 47	2 46	14 31	2 34	2 56	13 8	0 47	3 48
S 12	8 40	18 4	5 14	2 48	2 36	23 51	2 32	21 0	1 10	4 17	1 34	14 37	1 44	16 18	0 44	6 40	1 47	2 46	14 31	2 35	2 57	13 7	0 49	3 48
S 13	9 1	18 16	5 7	2 11	2 35	24 6	2 35	20 53	1 11	4 19	1 34	14 37	1 44	16 18	0 44	6 39	1 47	2 46	14 30	2 37	2 59	13 5	0 50	3 48
M14	9 23	17 37	4 47	1 32	2 34	24 19	2 38	20 45	1 13	4 21	1 34	14 37	1 44	16 19	0 44	6 38	1 47	2 47	14 30	2 37	3 0	13 4	0 51	3 48
T 15	9 45	16 12	4 15	0 53	2 33	24 32	2 40	20 37	1 15	4 23	1 34	14 38	1 44	16 19	0 44	6 38	1 47	2 47	14 30	2 37	3 1	13 3	0 53	3 48
W16	10 6	14 5	3 32	0 12	2 31	24 45	2 43	20 29	1 16	4 25	1 33	14 38	1 44	16 19	0 44	6 37	1 47	2 48	14 30	2 37	3 2	13 1	0 54	3 48
T 17	10 27	11 23	2 40	0n29	2 29	24 57	2 46	20 21	1 18	4 27	1 33	14 38	1 44	16 19	0 44	6 37	1 47	2 48	14 30	2 36	3 4	13 0	0 55	3 48
F 18	10 48	8 13	1 41	1 12	2 26	25 8	2 48	20 13	1 19	4 29	1 33	14 39	1 44	16 19	0 44	6 36	1 47	2 49	14 30	2 35	3 5	12 59	0 57	3 48
S 19	11 9	4 40	0 37	1 55	2 22	25 18	2 51	20 4	1 21	4 31	1 33	14 39	1 44	16 19	0 44	6 35	1 47	2 49	14 30	2 35	3 6	12 57	0 58	3 48
S 20	11 30	0 52	0n30	2 40	2 18	25 28	2 53	19 56	1 22	4 33	1 33	14 39	1 43	16 19	0 44	6 35	1 47	2 50	14 30	2 35	3 7	12 56	0 59	3 48
M21	11 50	3s 3	1 36	3 25	2 13	25 38	2 56	19 47	1 24	4 35	1 33	14 39	1 43	16 19	0 44	6 34	1 47	2 50	14 29	2 36	3 9	12 55	1 1	3 48
T 22	12 10	6 55	2 39	4 11	2 8	25 47	2 58	19 38	1 25	4 36	1 32	14 39	1 43	16 19	0 44	6 33	1 47	2 51	14 29	2 37	3 10	12 54	1 2	3 48
W23	12 30	10 31	3 35	4 58	2 3	25 55	3 0	19 29	1 27	4 38	1 32	14 39	1 43	16 19	0 44	6 33	1 47	2 51	14 29	2 39	3 11	12 52	1 3	3 48
T 24	12 50	13 41	4 20	5 46	1 57	26 2	3 2	19 20	1 29	4 39	1 32	14 39	1 43	16 19	0 44	6 32	1 47	2 52	14 29	2 41	3 12	12 51	1 4	3 48
F 25	13 10	16 11	4 52	6 35	1 50	26 9	3 4	19 11	1 30	4 41	1 32	14 39	1 43	16 19	0 44	6 32	1 47	2 52	14 29	2 44	3 14	12 50	1 6	3 48
S 26	13 29	17 48	5 8	7 24	1 43	26 16	3 6	19 2	1 32	4 42	1 32	14 39	1 43	16 19	0 44	6 31	1 47	2 52	14 29	2 47	3 15	12 48	1 7	3 48
S 27	13 49	18 23	5 6	8 14	1 35	26 21	3 7	18 52	1 34	4 44	1 31	14 39	1 43	16 19	0 44	6 31	1 47	2 53	14 29	2 49	3 16	12 47	1 8	3 49
M28	14 8	17 52	4 46	9 4	1 27	26 27	3 9	18 43	1 35	4 45	1 31	14 39	1 43	16 19	0 44	6 30	1 47	2 53	14 29	2 50	3 17	12 46	1 9	3 49
T 29	14 26	16 14	4 8	9 54	1 19	26 31	3 10	18 33	1 37	4 46	1 31	14 39	1 43	16 19	0 44	6 29	1 47	2 54	14 29	2 51	3 19	12 44	1 11	3 49
W30	14n45	13s38	3n16	10n45	1s10	26n35	3n12	18s24	1s39	4n47	1n31	14n39	1n42	16n19	0n43	6s29	1n47	2n54	14s29	2n51	3n20	12n43	1n12	3n49

Julian Day Number = 2314669.5, Delta T = 61.89 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'35, Lahiri = 18°37'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

MAY 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 14	10♉40'10	27♒51	3♉ 4	26♊ 0	14♒ 6	21°R24	25♌32	17♌29	20°R47	16♉32	22♍50	21♍33	18♌15	24♓15	T 1
F 2	14 40 11	11°38'13	12♓ 2	5° 8	26°59	14°46	21♍21	25°32	17°30	20♎46	16°33	22°51	21°30	18°21	24°18	F 2
S 3	14 44 7	12°36'14	26°11	7°14	27°58	15°25	21°18	25°33	17°30	20°44	16°34	22°R51	21°27	18°28	24°21	S 3
S 4	14 48 4	13°34'14	10♈16	9°21	28°57	16° 4	21°16	25°33	17°31	20°43	16°36	22°50	21°24	18°35	24°24	S 4
M 5	14 52 0	14°32'12	24°15	11°30	29°55	16°44	21°13	25°34	17°31	20°41	16°37	22°46	21°21	18°41	24°26	M 5
T 6	14 55 57	15°30'09	8♉ 3	13°39	0♋53	17°23	21°11	25°35	17°32	20°40	16°38	22°41	21°18	18°48	24°29	T 6
W 7	14 59 53	16°28'05	21°37	15°49	1°51	18° 2	21° 9	25°36	17°32	20°38	16°40	22°33	21°14	18°55	24°32	W 7
T 8	15 3 50	17°25'59	4♊55	18° 0	2°48	18°41	21° 7	25°37	17°33	20°37	16°41	22°23	21°11	19° 1	24°34	T 8
F 9	15 7 47	18°23'51	17°55	20°11	3°44	19°20	21° 5	25°38	17°34	20°35	16°42	22°14	21° 8	19° 8	24°37	F 9
S 10	15 11 43	19°21'42	0♋37	22°22	4°40	19°59	21° 4	25°40	17°35	20°34	16°44	22° 5	21° 5	19°15	24°39	S 10
S 11	15 15 40	20°19'31	13° 1	24°33	5°36	20°38	21° 3	25°41	17°36	20°33	16°45	21°57	21° 2	19°21	24°42	S 11
M12	15 19 36	21°17'18	25°10	26°43	6°31	21°17	21° 1	25°43	17°36	20°31	16°46	21°52	20°58	19°28	24°44	M12
T 13	15 23 33	22°15'04	7♌ 8	28°53	7°25	21°55	21° 0	25°44	17°37	20°30	16°48	21°48	20°55	19°35	24°46	T 13
W14	15 27 29	23°12'48	18°59	1♊ 1	8°19	22°34	21° 0	25°46	17°38	20°28	16°49	21°D47	20°52	19°41	24°49	W14
T 15	15 31 26	24°10'31	0♍49	3° 8	9°12	23°12	20°59	25°48	17°39	20°27	16°51	21°47	20°49	19°48	24°51	T 15
F 16	15 35 22	25° 8'11	12°42	5°14	10° 5	23°51	20°59	25°50	17°41	20°26	16°52	21°48	20°46	19°55	24°53	F 16
S 17	15 39 19	26° 5'51	24°44	7°18	10°57	24°29	20°58	25°52	17°42	20°25	16°53	21°R48	20°43	20° 1	24°55	S 17
S 18	15 43 16	27° 3'28	7♎ 0	9°20	11°48	25° 8	20°D58	25°54	17°43	20°23	16°55	21°47	20°39	20° 8	24°57	S 18
M19	15 47 12	28° 1'05	19°33	11°19	12°38	25°46	20°59	25°56	17°44	20°22	16°56	21°44	20°36	20°15	25° 0	M19
T 20	15 51 9	28°58'39	2♏28	13°17	13°28	26°24	20°59	25°59	17°46	20°21	16°57	21°38	20°33	20°21	25° 2	T 20
W21	15 55 5	29°56'13	15°44	15°12	14°17	27° 2	20°59	26° 1	17°47	20°20	16°59	21°30	20°30	20°28	25° 4	W21
T 22	15 59 2	0♊53'45	29°21	17° 4	15° 6	27°40	21° 0	26° 3	17°48	20°19	17° 0	21°20	20°27	20°35	25° 6	T 22
F 23	16 2 58	1°51'17	13♐16	18°54	15°53	28°18	21° 1	26° 6	17°50	20°17	17° 1	21° 9	20°24	20°41	25° 7	F 23
S 24	16 6 55	2°48'47	27°26	20°41	16°40	28°55	21° 2	26° 9	17°51	20°16	17° 2	20°59	20°20	20°48	25° 9	S 24
S 25	16 10 51	3°46'16	11♑44	22°25	17°26	29°33	21° 3	26°12	17°53	20°15	17° 4	20°49	20°17	20°55	25°11	S 25
M26	16 14 48	4°43'44	26° 6	24° 6	18°11	0♓10	21° 4	26°14	17°54	20°14	17° 5	20°42	20°14	21° 1	25°13	M26
T 27	16 18 45	5°41'12	10♒26	25°45	18°55	0°48	21° 6	26°17	17°56	20°13	17° 6	20°38	20°11	21° 8	25°15	T 27
W28	16 22 41	6°38'38	24°41	27°21	19°38	1°25	21° 8	26°21	17°58	20°12	17° 8	20°36	20° 8	21°15	25°16	W28
T 29	16 26 38	7°36'04	8♓50	28°53	20°20	2° 2	21°10	26°24	18° 0	20°11	17° 9	20°D36	20° 4	21°21	25°18	T 29
F 30	16 30 34	8°33'30	22°50	0♋23	21° 1	2°39	21°12	26°27	18° 1	20°10	17°10	20°R36	20° 1	21°28	25°20	F 30
S 31	16 34 31	9♊30'54	6♈42	1♋50	21♋41	3♓16	21♍14	26♌30	18♌ 3	20♎ 9	17♉12	20♍35	19♍58	21♌35	25♓21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 3	10s12	2n11	11n36	1s 1	26n38	3n13	18s14	1s40	4n48	1n31	14n38	1n42	16n19	0n43	6s28	1n47	2n55	14s29	2n51	3n21	12n42	1n13	3n49
F 2	15 21	6 10	0 58	12 27	0 51	26 41	3 14	18 4	1 42	4 49	1 30	14 38	1 42	16 19	0 43	6 28	1 47	2 55	14 29	2 51	3 23	12 40	1 14	3 49
S 3	15 39	1 48	0s18	13 18	0 42	26 43	3 15	17 54	1 44	4 50	1 30	14 38	1 42	16 18	0 43	6 27	1 47	2 55	14 28	2 50	3 24	12 39	1 15	3 49
S 4	15 57	2n39	1 32	14 8	0 32	26 45	3 16	17 44	1 45	4 51	1 30	14 38	1 42	16 18	0 43	6 27	1 47	2 56	14 28	2 51	3 25	12 38	1 17	3 49
M 5	16 14	6 56	2 41	14 58	0 21	26 46	3 16	17 33	1 47	4 52	1 30	14 37	1 42	16 18	0 43	6 26	1 47	2 56	14 28	2 52	3 26	12 36	1 18	3 49
T 6	16 31	10 46	3 38	15 48	0 11	26 46	3 17	17 23	1 49	4 52	1 30	14 37	1 42	16 18	0 43	6 26	1 47	2 57	14 28	2 55	3 28	12 35	1 19	3 49
W 7	16 48	13 58	4 23	16 36	0 0	26 46	3 17	17 13	1 51	4 53	1 29	14 36	1 42	16 18	0 43	6 25	1 47	2 57	14 28	2 58	3 29	12 34	1 20	3 49
T 8	17 4	16 23	4 52	17 23	0n10	26 45	3 18	17 2	1 53	4 53	1 29	14 36	1 42	16 17	0 43	6 25	1 47	2 57	14 28	3 2	3 30	12 32	1 21	3 50
F 9	17 20	17 53	5 5	18 9	0 21	26 44	3 18	16 52	1 54	4 54	1 29	14 35	1 41	16 17	0 43	6 24	1 47	2 58	14 28	3 5	3 31	12 31	1 22	3 50
S 10	17 36	18 27	5 2	18 54	0 31	26 42	3 18	16 41	1 56	4 54	1 29	14 35	1 41	16 17	0 43	6 24	1 47	2 58	14 28	3 9	3 33	12 30	1 23	3 50
S 11	17 52	18 7	4 45	19 37	0 41	26 39	3 18	16 30	1 58	4 55	1 28	14 34	1 41	16 16	0 43	6 23	1 47	2 58	14 28	3 12	3 34	12 28	1 24	3 50
M12	18 7	16 57	4 16	20 18	0 51	26 37	3 17	16 20	2 0	4 55	1 28	14 34	1 41	16 16	0 43	6 23	1 47	2 59	14 28	3 14	3 35	12 27	1 25	3 50
T 13	18 22	15 3	3 36	20 56	1 1	26 33	3 17	16 9	2 2	4 55	1 28	14 33	1 41	16 16	0 43	6 22	1 47	2 59	14 28	3 15	3 36	12 26	1 26	3 50
W14	18 37	12 32	2 46	21 33	1 10	26 29	3 16	15 58	2 3	4 55	1 28	14 32	1 41	16 15	0 43	6 22	1 47	2 59	14 28	3 16	3 38	12 24	1 27	3 50
T 15	18 51	9 30	1 50	22 7	1 19	26 25	3 15	15 47	2 5	4 55	1 27	14 32	1 41	16 15	0 43	6 21	1 47	3 0	14 28	3 16	3 39	12 23	1 28	3 50
F 16	19 5	6 4	0 49	22 39	1 27	26 20	3 14	15 36	2 7	4 55	1 27	14 31	1 41	16 15	0 43	6 21	1 47	3 0	14 28	3 16	3 40	12 22	1 29	3 50
S 17	19 19	2 20	0n16	23 8	1 35	26 14	3 13	15 25	2 9	4 55	1 27	14 30	1 41	16 14	0 43	6 20	1 47	3 1	14 28	3 16	3 41	12 20	1 30	3 51
S 18	19 32	1s33	1 20	23 34	1 42	26 8	3 11	15 14	2 11	4 55	1 27	14 29	1 40	16 14	0 43	6 20	1 47	3 1	14 28	3 16	3 43	12 19	1 31	3 51
M19	19 45	5 28	2 22	23 58	1 48	26 2	3 10	15 2	2 13	4 55	1 27	14 28	1 40	16 14	0 43	6 19	1 47	3 1	14 28	3 17	3 44	12 18	1 32	3 51
T 20	19 58	9 14	3 19	24 19	1 54	25 55	3 8	14 51	2 15	4 54	1 26	14 27	1 40	16 13	0 43	6 19	1 47	3 2	14 28	3 20	3 45	12 16	1 33	3 51
W21	20 11	12 39	4 6	24 37	1 59	25 48	3 6	14 40	2 17	4 54	1 26	14 26	1 40	16 13	0 43	6 19	1 47	3 2	14 28	3 23	3 46	12 15	1 34	3 51
T 22	20 23	15 29	4 41	24 53	2 3	25 40	3 4	14 28	2 19	4 53	1 26	14 25	1 40	16 12	0 43	6 18	1 47	3 2	14 28	3 27	3 48	12 13	1 35	3 51
F 23	20 34	17 29	4 59	25 7	2 6	25 32	3 1	14 17	2 20	4 53	1 26	14 24	1 40	16 12	0 43	6 18	1 47	3 2	14 28	3 31	3 49	12 12	1 36	3 51
S 24	20 46	18 27	5 0	25 18	2 9	25 24	2 59	14 6	2 22	4 52	1 25	14 23	1 40	16 11	0 43	6 17	1 47	3 3	14 29	3 35	3 50	12 11	1 37	3 51
S 25	20 57	18 16	4 43	25 26	2 10	25 15	2 56	13 54	2 24	4 51	1 25	14 22	1 40	16 11	0 43	6 17	1 47	3 3	14 29	3 39	3 51	12 9	1 38	3 52
M26	21 7	16 56	4 7	25 33	2 11	25 6	2 53	13 43	2 26	4 51	1 25	14 21	1 40	16 10	0 43	6 17	1 47	3 3	14 29	3 41	3 53	12 8	1 38	3 52
T 27	21 18	14 31	3 16	25 37	2 12	24 56	2 49	13 31	2 28	4 50	1 25	14 20	1 40	16 10	0 43	6 16	1 47	3 4	14 29	3 43	3 54	12 7	1 39	3 52
W28	21 28	11 14	2 13	25 39	2 11	24 47	2 46	13 20	2 30	4 49	1 24	14 19	1 39	16 9	0 43	6 16	1 47	3 4	14 29	3 44	3 55	12 5	1 40	3 52
T 29	21 37	7 19	1 2	25 39	2 10	24 36	2 42	13 8	2 32	4 48	1 24	14 18	1 39	16 8	0 42	6 16	1 46	3 4	14 29	3 44	3 56	12 4	1 41	3 52
F 30	21 46	3 2	0s12	25 37	2 8	24 26	2 38	12 57	2 34	4 47	1 24	14 17	1 39	16 8	0 42	6 15	1 46	3 4	14 29	3 44	3 58	12 2	1 42	3 52
S 31	21n55	1n22	1s24	25n33	2n 5	24n15	2n33	12s45	2s36	4n46	1n24	14n15	1n39	16n 7	0n42	6s15	1n46	3n 5	14s29	3n44	3n59	12n 1	1n42	3n52

Julian Day Number = 2314699.5, Delta T = 61.81 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'40, Lahiri = 18°37'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

JUNE 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 27	10♊28'19	20♈25	3♋14	22♋20	3♓53	21♍16	26♌34	18♌ 5	20°R 8	17♉13	20°R32	19♍55	21♌41	25♓23	S 1
M 2	16 42 24	11°25'42	3♉59	4°35	22°58	4°29	21°19	26°37	18° 7	20♎ 7	17°14	20♍27	19°52	21°48	25°24	M 2
T 3	16 46 20	12°23'05	17°23	5°53	23°35	5° 6	21°22	26°41	18° 9	20° 7	17°15	20°19	19°49	21°55	25°25	T 3
W 4	16 50 17	13°20'27	0♊35	7° 8	24°10	5°42	21°25	26°45	18°11	20° 6	17°17	20° 8	19°45	22° 1	25°27	W 4
T 5	16 54 14	14°17'49	13°34	8°19	24°44	6°18	21°28	26°49	18°13	20° 5	17°18	19°56	19°42	22° 8	25°28	T 5
F 6	16 58 10	15°15'09	26°20	9°27	25°17	6°54	21°31	26°52	18°15	20° 4	17°19	19°43	19°39	22°15	25°29	F 6
S 7	17 2 7	16°12'29	8♋51	10°32	25°48	7°30	21°34	26°56	18°17	20° 3	17°20	19°30	19°36	22°21	25°30	S 7
S 8	17 6 3	17° 9'49	21° 8	11°34	26°18	8° 6	21°38	27° 0	18°20	20° 3	17°21	19°20	19°33	22°28	25°32	S 8
M 9	17 10 0	18° 7'07	3♌12	12°32	26°47	8°41	21°42	27° 5	18°22	20° 2	17°23	19°11	19°30	22°35	25°33	M 9
T 10	17 13 56	19° 4'25	15° 7	13°27	27°14	9°16	21°46	27° 9	18°24	20° 1	17°24	19° 6	19°26	22°41	25°34	T 10
W11	17 17 53	20° 1'41	26°57	14°18	27°39	9°51	21°50	27°13	18°26	20° 1	17°25	19° 2	19°23	22°48	25°35	W11
T 12	17 21 49	20°58'57	8♍45	15° 6	28° 3	10°26	21°54	27°18	18°29	20° 0	17°26	19° 1	19°20	22°55	25°35	T 12
F 13	17 25 46	21°56'12	20°37	15°49	28°25	11° 1	21°58	27°22	18°31	19°59	17°27	19° 1	19°17	23° 1	25°36	F 13
S 14	17 29 43	22°53'27	2♎39	16°29	28°45	11°35	22° 3	27°27	18°34	19°59	17°28	19° 1	19°14	23° 8	25°37	S 14
S 15	17 33 39	23°50'40	14°56	17° 5	29° 3	12°10	22° 8	27°31	18°36	19°58	17°30	19° 0	19°10	23°15	25°38	S 15
M16	17 37 36	24°47'53	27°32	17°36	29°19	12°44	22°13	27°36	18°39	19°58	17°31	18°56	19° 7	23°21	25°39	M16
T 17	17 41 32	25°45'05	10♏31	18° 3	29°34	13°18	22°18	27°41	18°41	19°57	17°32	18°51	19° 4	23°28	25°39	T 17
W18	17 45 29	26°42'17	23°57	18°26	29°46	13°51	22°23	27°45	18°44	19°57	17°33	18°43	19° 1	23°35	25°40	W18
T 19	17 49 25	27°39'28	7♐49	18°45	29°56	14°25	22°28	27°50	18°46	19°57	17°34	18°33	18°58	23°41	25°40	T 19
F 20	17 53 22	28°36'39	22° 3	18°59	0♌ 4	14°58	22°34	27°55	18°49	19°56	17°35	18°22	18°55	23°48	25°41	F 20
S 21	17 57 18	29°33'50	6♑36	19° 8	0°10	15°31	22°39	28° 0	18°52	19°56	17°36	18°11	18°51	23°54	25°41	S 21
S 22	18 1 15	0♋31'01	21°19	19°13	0°14	16° 4	22°45	28° 6	18°55	19°56	17°37	18° 1	18°48	24° 1	25°42	S 22
M23	18 5 12	1°28'11	6♒ 5	19°R13	0°R15	16°37	22°51	28°11	18°57	19°55	17°38	17°54	18°45	24° 8	25°42	M23
T 24	18 9 8	2°25'21	20°46	19° 9	0°14	17° 9	22°57	28°16	19° 0	19°55	17°39	17°49	18°42	24°14	25°42	T 24
W25	18 13 5	3°22'32	5♓17	19° 0	0°11	17°41	23° 3	28°21	19° 3	19°55	17°40	17°47	18°39	24°21	25°43	W25
T 26	18 17 1	4°19'42	19°34	18°46	0° 5	18°13	23° 9	28°27	19° 6	19°55	17°41	17°D47	18°36	24°28	25°43	T 26
F 27	18 20 58	5°16'53	3♈36	18°29	29♋57	18°44	23°16	28°32	19° 9	19°54	17°42	17°R47	18°32	24°34	25°43	F 27
S 28	18 24 54	6°14'04	17°22	18° 7	29°47	19°15	23°23	28°38	19°12	19°54	17°43	17°46	18°29	24°41	25°43	S 28
S 29	18 28 51	7°11'15	0♉52	17°42	29°34	19°46	23°29	28°43	19°15	19°54	17°44	17°44	18°26	24°48	25°R43	S 29
M30	18 32 47	8♋ 8'27	14♉ 9	17♋13	29♋19	20♓17	23♍36	28♌49	19♌18	19♎54	17♉45	17♍40	18♍23	24♌54	25♓43	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 4	5n40	2s31	25n28	2n 1	24n 4	2n29	12s34	2s38	4n45	1n23	14n14	1n39	16n 7	0n42	6s15	1n46	3n 5	14s29	3n45	4n 0	12n 0	1n43	3n53
M 2	22 12	9 36	3 28	25 21	1 57	23 53	2 24	12 22	2 40	4 43	1 23	14 13	1 39	16 6	0 42	6 14	1 46	3 5	14 29	3 47	4 1	11 58	1 44	3 53
T 3	22 19	13 0	4 13	25 13	1 51	23 42	2 18	12 11	2 43	4 42	1 23	14 11	1 39	16 5	0 42	6 14	1 46	3 5	14 29	3 51	4 3	11 57	1 44	3 53
W 4	22 27	15 41	4 43	25 3	1 45	23 30	2 13	11 59	2 45	4 41	1 23	14 10	1 39	16 5	0 42	6 14	1 46	3 6	14 29	3 55	4 4	11 55	1 45	3 53
T 5	22 34	17 32	4 59	24 52	1 39	23 18	2 7	11 48	2 47	4 39	1 22	14 9	1 39	16 4	0 42	6 14	1 46	3 6	14 30	4 0	4 5	11 54	1 46	3 53
F 6	22 40	18 28	4 58	24 40	1 31	23 6	2 1	11 36	2 49	4 38	1 22	14 7	1 39	16 3	0 42	6 13	1 46	3 6	14 30	4 5	4 6	11 53	1 46	3 53
S 7	22 46	18 28	4 44	24 27	1 23	22 54	1 55	11 25	2 51	4 36	1 22	14 6	1 38	16 3	0 42	6 13	1 46	3 6	14 30	4 10	4 8	11 51	1 47	3 53
S 8	22 52	17 36	4 16	24 13	1 14	22 42	1 48	11 13	2 53	4 35	1 22	14 4	1 38	16 2	0 42	6 13	1 46	3 6	14 30	4 14	4 9	11 50	1 48	3 54
M 9	22 57	15 57	3 37	23 58	1 5	22 29	1 41	11 2	2 55	4 33	1 22	14 3	1 38	16 1	0 42	6 13	1 46	3 7	14 30	4 17	4 10	11 48	1 48	3 54
T 10	23 2	13 38	2 49	23 43	0 55	22 17	1 34	10 51	2 57	4 31	1 21	14 1	1 38	16 1	0 42	6 12	1 46	3 7	14 30	4 19	4 11	11 47	1 49	3 54
W11	23 7	10 46	1 54	23 26	0 44	22 4	1 26	10 39	2 59	4 29	1 21	14 0	1 38	16 0	0 42	6 12	1 46	3 7	14 30	4 21	4 13	11 46	1 49	3 54
T 12	23 11	7 28	0 54	23 10	0 32	21 52	1 18	10 28	3 1	4 27	1 21	13 58	1 38	15 59	0 42	6 12	1 46	3 7	14 30	4 21	4 14	11 44	1 50	3 54
F 13	23 14	3 51	0n 9	22 53	0 20	21 39	1 10	10 17	3 4	4 25	1 21	13 57	1 38	15 58	0 42	6 12	1 46	3 7	14 30	4 21	4 15	11 43	1 50	3 54
S 14	23 18	0 2	1 12	22 35	0 7	21 27	1 1	10 5	3 6	4 23	1 20	13 55	1 38	15 58	0 42	6 12	1 46	3 8	14 31	4 21	4 16	11 41	1 51	3 55
S 15	23 21	3s51	2 13	22 18	0s 6	21 14	0 52	9 54	3 8	4 21	1 20	13 53	1 38	15 57	0 42	6 12	1 46	3 8	14 31	4 22	4 18	11 40	1 51	3 55
M16	23 23	7 40	3 9	22 0	0 20	21 1	0 42	9 43	3 10	4 19	1 20	13 51	1 38	15 56	0 42	6 11	1 46	3 8	14 31	4 23	4 19	11 39	1 51	3 55
T 17	23 25	11 15	3 57	21 42	0 34	20 49	0 33	9 32	3 12	4 17	1 20	13 50	1 38	15 55	0 42	6 11	1 46	3 8	14 31	4 25	4 20	11 37	1 52	3 55
W18	23 27	14 22	4 34	21 25	0 49	20 36	0 23	9 21	3 14	4 15	1 20	13 48	1 38	15 54	0 42	6 11	1 46	3 8	14 31	4 28	4 21	11 36	1 52	3 55
T 19	23 28	16 47	4 56	21 7	1 4	20 24	0 12	9 10	3 17	4 12	1 19	13 46	1 37	15 53	0 42	6 11	1 46	3 8	14 31	4 32	4 23	11 34	1 53	3 55
F 20	23 29	18 15	5 1	20 50	1 19	20 12	0 1	8 59	3 19	4 10	1 19	13 44	1 37	15 53	0 42	6 11	1 45	3 8	14 32	4 37	4 24	11 33	1 53	3 56
S 21	23 29	18 34	4 46	20 33	1 35	19 59	0s10	8 48	3 21	4 8	1 19	13 43	1 37	15 52	0 42	6 11	1 45	3 8	14 32	4 41	4 25	11 31	1 53	3 56
S 22	23 29	17 38	4 12	20 17	1 51	19 47	0 22	8 38	3 23	4 5	1 19	13 41	1 37	15 51	0 42	6 11	1 45	3 9	14 32	4 45	4 26	11 30	1 54	3 56
M23	23 29	15 32	3 22	20 1	2 7	19 36	0 33	8 27	3 25	4 3	1 18	13 39	1 37	15 50	0 42	6 11	1 45	3 9	14 32	4 48	4 28	11 29	1 54	3 56
T 24	23 28	12 25	2 18	19 46	2 23	19 24	0 46	8 16	3 28	4 0	1 18	13 37	1 37	15 49	0 42	6 11	1 45	3 9	14 32	4 49	4 29	11 27	1 54	3 56
W25	23 27	8 34	1 6	19 31	2 39	19 12	0 58	8 6	3 30	3 57	1 18	13 35	1 37	15 48	0 42	6 11	1 45	3 9	14 32	4 50	4 30	11 26	1 54	3 56
T 26	23 25	4 17	0s10	19 18	2 54	19 1	1 11	7 55	3 32	3 55	1 18	13 33	1 37	15 47	0 42	6 11	1 45	3 9	14 33	4 50	4 31	11 24	1 55	3 56
F 27	23 23	0n10	1 23	19 5	3 9	18 50	1 24	7 45	3 34	3 52	1 18	13 31	1 37	15 46	0 42	6 11	1 45	3 9	14 33	4 50	4 33	11 23	1 55	3 57
S 28	23 20	4 31	2 30	18 53	3 24	18 39	1 37	7 35	3 37	3 49	1 17	13 29	1 37	15 45	0 42	6 11	1 45	3 9	14 33	4 51	4 34	11 21	1 55	3 57
S 29	23 17	8 33	3 28	18 43	3 38	18 28	1 51	7 25	3 39	3 46	1 17	13 27	1 37	15 44	0 42	6 11	1 45	3 9	14 33	4 51	4 35	11 20	1 55	3 57
M30	23n14	12n 5	4s13	18n33	3s51	18n18	2s 5	7s15	3s41	3n43	1n17	13n25	1n37	15n43	0n42	6s11	1n45	3n 9	14s33	4n53	4n36	11n18	1n55	3n57

Julian Day Number = 2314730.5, Delta T = 61.74 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'44, Lahiri = 18°37'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

JULY 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 36 44	9♋ 5'38	27♉13	16°R41	29°R 1	20♓47	23♍43	28♌55	19♌21	19°D54	17♉46	17°R33	18♍20	25♌ 1	25°R43	T 1
W 2	18 40 41	10° 2'51	10♊ 5	16♋ 7	28♋41	21°17	23°50	29° 1	19°24	19♎54	17°47	17♍23	18°16	25° 8	25♓43	W 2
T 3	18 44 37	11° 0'03	22°45	15°31	28°19	21°47	23°57	29° 6	19°27	19°54	17°48	17°12	18°13	25°14	25°42	T 3
F 4	18 48 34	11°57'16	5♋13	14°53	27°55	22°16	24° 5	29°12	19°30	19°54	17°49	17° 1	18°10	25°21	25°42	F 4
S 5	18 52 30	12°54'29	17°30	14°15	27°29	22°45	24°12	29°18	19°33	19°54	17°49	16°49	18° 7	25°28	25°42	S 5
S 6	18 56 27	13°51'42	29°37	13°37	27° 1	23°13	24°20	29°24	19°36	19°55	17°50	16°40	18° 4	25°34	25°41	S 6
M 7	19 0 23	14°48'55	11♌35	12°59	26°31	23°42	24°28	29°30	19°40	19°55	17°51	16°32	18° 1	25°41	25°41	M 7
T 8	19 4 20	15°46'09	23°26	12°22	26° 0	24° 9	24°36	29°37	19°43	19°55	17°52	16°27	17°57	25°48	25°40	T 8
W 9	19 8 17	16°43'22	5♍13	11°47	25°27	24°37	24°44	29°43	19°46	19°55	17°53	16°25	17°54	25°54	25°40	W 9
T 10	19 12 13	17°40'36	17° 0	11°15	24°53	25° 4	24°52	29°49	19°49	19°55	17°54	16°D24	17°51	26° 1	25°39	T 10
F 11	19 16 10	18°37'50	28°51	10°45	24°17	25°30	25° 0	29°55	19°53	19°56	17°54	16°24	17°48	26° 8	25°39	F 11
S 12	19 20 6	19°35'04	10♎52	10°20	23°41	25°57	25° 8	0♍ 2	19°56	19°56	17°55	16°25	17°45	26°14	25°38	S 12
S 13	19 24 3	20°32'18	23° 7	9°58	23° 4	26°22	25°17	0° 8	19°59	19°56	17°56	16°R26	17°41	26°21	25°37	S 13
M14	19 27 59	21°29'33	5♏42	9°41	22°27	26°48	25°25	0°15	20° 3	19°57	17°56	16°24	17°38	26°28	25°36	M14
T 15	19 31 56	22°26'47	18°40	9°29	21°49	27°13	25°34	0°21	20° 6	19°57	17°57	16°21	17°35	26°34	25°36	T 15
W16	19 35 52	23°24'02	2♐ 6	9°22	21°12	27°37	25°43	0°28	20°10	19°58	17°58	16°16	17°32	26°41	25°35	W16
T 17	19 39 49	24°21'18	16° 1	9°D20	20°35	28° 1	25°52	0°34	20°13	19°58	17°58	16°10	17°29	26°48	25°34	T 17
F 18	19 43 45	25°18'33	0♑23	9°24	19°58	28°25	26° 1	0°41	20°16	19°59	17°59	16° 2	17°26	26°54	25°33	F 18
S 19	19 47 42	26°15'50	15° 7	9°34	19°22	28°48	26°10	0°47	20°20	19°59	18° 0	15°55	17°22	27° 1	25°32	S 19
S 20	19 51 39	27°13'07	0♒ 6	9°50	18°48	29°10	26°19	0°54	20°23	20° 0	18° 0	15°48	17°19	27° 8	25°30	S 20
M21	19 55 35	28°10'24	15°11	10°12	18°14	29°33	26°28	1° 1	20°27	20° 0	18° 1	15°43	17°16	27°14	25°29	M21
T 22	19 59 32	29° 7'43	0♓13	10°40	17°42	29°54	26°38	1° 8	20°31	20° 1	18° 1	15°40	17°13	27°21	25°28	T 22
W23	20 3 28	0♌ 5'02	15° 3	11°14	17°11	0♈15	26°47	1°15	20°34	20° 2	18° 2	15°D39	17°10	27°27	25°27	W23
T 24	20 7 25	1° 2'22	29°36	11°54	16°42	0°36	26°57	1°21	20°38	20° 2	18° 2	15°40	17° 7	27°34	25°26	T 24
F 25	20 11 21	1°59'43	13♈48	12°40	16°15	0°56	27° 6	1°28	20°41	20° 3	18° 3	15°41	17° 3	27°41	25°24	F 25
S 26	20 15 18	2°57'06	27°38	13°32	15°50	1°15	27°16	1°35	20°45	20° 4	18° 3	15°R42	17° 0	27°47	25°23	S 26
S 27	20 19 14	3°54'30	11♉ 7	14°30	15°28	1°34	27°26	1°42	20°48	20° 5	18° 4	15°42	16°57	27°54	25°21	S 27
M28	20 23 11	4°51'54	24°16	15°33	15° 7	1°52	27°36	1°49	20°52	20° 6	18° 4	15°40	16°54	28° 1	25°20	M28
T 29	20 27 8	5°49'21	7♊ 9	16°42	14°49	2° 9	27°46	1°56	20°56	20° 7	18° 5	15°37	16°51	28° 7	25°18	T 29
W30	20 31 4	6°46'48	19°46	17°57	14°33	2°26	27°56	2° 3	20°59	20° 7	18° 5	15°32	16°47	28°14	25°17	W30
T 31	20 35 1	7♌44'17	2♋10	19♋16	14♋19	2♈42	28♍ 6	2♍11	21♌ 3	20♎ 8	18♉ 5	15♍25	16♍44	28♌21	25♓15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n10	14n58	4s44	18n25	4s 3	18n 8	2s19	7s 5	3s43	3n40	1n17	13n23	1n37	15n42	0n42	6s11	1n45	3n 9	14s34	4n56	4n37	11n17	1n55	3n57
W 2	23 6	17 3	5 0	18 18	4 14	17 58	2 33	6 55	3 46	3 37	1 17	13 21	1 37	15 41	0 42	6 11	1 45	3 9	14 34	5 0	4 39	11 16	1 55	3 57
T 3	23 2	18 16	5 1	18 12	4 24	17 49	2 47	6 45	3 48	3 34	1 16	13 19	1 37	15 40	0 42	6 11	1 45	3 9	14 34	5 4	4 40	11 14	1 55	3 58
F 4	22 57	18 35	4 48	18 8	4 33	17 39	3 1	6 36	3 50	3 31	1 16	13 17	1 36	15 39	0 42	6 11	1 45	3 9	14 34	5 8	4 41	11 13	1 55	3 58
S 5	22 51	18 1	4 21	18 5	4 40	17 31	3 15	6 26	3 52	3 28	1 16	13 14	1 36	15 38	0 42	6 11	1 45	3 9	14 34	5 13	4 42	11 11	1 55	3 58
S 6	22 46	16 38	3 43	18 3	4 45	17 22	3 30	6 17	3 55	3 25	1 16	13 12	1 36	15 37	0 42	6 11	1 45	3 9	14 35	5 16	4 44	11 10	1 55	3 58
M 7	22 40	14 32	2 55	18 3	4 49	17 14	3 44	6 8	3 57	3 22	1 16	13 10	1 36	15 36	0 41	6 11	1 45	3 9	14 35	5 19	4 45	11 8	1 55	3 58
T 8	22 33	11 51	2 0	18 4	4 52	17 6	3 57	5 59	3 59	3 18	1 15	13 8	1 36	15 35	0 41	6 11	1 44	3 9	14 35	5 21	4 46	11 7	1 55	3 58
W 9	22 26	8 42	1 0	18 7	4 52	16 59	4 11	5 50	4 2	3 15	1 15	13 6	1 36	15 34	0 41	6 11	1 44	3 9	14 35	5 22	4 47	11 5	1 55	3 58
T 10	22 19	5 12	0n 3	18 10	4 51	16 51	4 24	5 42	4 4	3 12	1 15	13 3	1 36	15 33	0 41	6 12	1 44	3 9	14 36	5 23	4 49	11 4	1 55	3 59
F 11	22 11	1 28	1 6	18 15	4 48	16 45	4 37	5 33	4 6	3 8	1 15	13 1	1 36	15 32	0 41	6 12	1 44	3 9	14 36	5 22	4 50	11 2	1 55	3 59
S 12	22 3	2s21	2 8	18 22	4 44	16 38	4 50	5 25	4 8	3 5	1 15	12 59	1 36	15 31	0 41	6 12	1 44	3 9	14 36	5 22	4 51	11 1	1 55	3 59
S 13	21 55	6 9	3 4	18 29	4 38	16 32	5 2	5 17	4 11	3 1	1 15	12 57	1 36	15 30	0 41	6 12	1 44	3 9	14 36	5 22	4 52	11 0	1 55	3 59
M14	21 46	9 46	3 53	18 37	4 31	16 27	5 14	5 8	4 13	2 58	1 14	12 54	1 36	15 29	0 41	6 12	1 44	3 9	14 37	5 22	4 54	10 58	1 54	3 59
T 15	21 37	13 3	4 32	18 47	4 23	16 22	5 25	5 1	4 15	2 54	1 14	12 52	1 36	15 28	0 41	6 13	1 44	3 9	14 37	5 24	4 55	10 57	1 54	3 59
W16	21 27	15 45	4 58	18 57	4 13	16 17	5 35	4 53	4 17	2 50	1 14	12 50	1 36	15 27	0 41	6 13	1 44	3 9	14 37	5 26	4 56	10 55	1 54	3 59
T 17	21 17	17 39	5 7	19 7	4 3	16 13	5 45	4 45	4 20	2 47	1 14	12 47	1 36	15 26	0 41	6 13	1 44	3 9	14 37	5 28	4 57	10 54	1 54	4 0
F 18	21 7	18 31	4 58	19 19	3 51	16 9	5 55	4 38	4 22	2 43	1 14	12 45	1 36	15 25	0 41	6 13	1 44	3 9	14 38	5 31	4 59	10 52	1 54	4 0
S 19	20 56	18 11	4 29	19 30	3 38	16 6	6 3	4 31	4 24	2 39	1 13	12 42	1 36	15 23	0 41	6 14	1 44	3 9	14 38	5 34	5 0	10 51	1 53	4 0
S 20	20 45	16 34	3 41	19 42	3 25	16 3	6 11	4 24	4 26	2 35	1 13	12 40	1 36	15 22	0 41	6 14	1 44	3 9	14 38	5 37	5 1	10 49	1 53	4 0
M21	20 34	13 49	2 37	19 55	3 11	16 0	6 18	4 17	4 29	2 31	1 13	12 38	1 36	15 21	0 41	6 14	1 44	3 9	14 38	5 39	5 2	10 48	1 53	4 0
T 22	20 22	10 8	1 23	20 7	2 57	15 58	6 24	4 11	4 31	2 28	1 13	12 35	1 36	15 20	0 41	6 14	1 44	3 8	14 39	5 40	5 4	10 46	1 52	4 0
W23	20 10	5 51	0 3	20 19	2 42	15 56	6 30	4 4	4 33	2 24	1 13	12 33	1 36	15 19	0 41	6 15	1 44	3 8	14 39	5 40	5 5	10 45	1 52	4 0
T 24	19 58	1 18	1s15	20 30	2 27	15 55	6 35	3 58	4 35	2 20	1 13	12 30	1 36	15 18	0 41	6 15	1 44	3 8	14 39	5 40	5 6	10 43	1 51	4 0
F 25	19 45	3n12	2 27	20 41	2 12	15 54	6 39	3 52	4 37	2 16	1 13	12 28	1 36	15 17	0 41	6 15	1 44	3 8	14 39	5 39	5 7	10 42	1 51	4 1
S 26	19 32	7 25	3 28	20 52	1 57	15 53	6 42	3 47	4 40	2 12	1 12	12 25	1 36	15 15	0 41	6 16	1 44	3 8	14 40	5 39	5 9	10 40	1 51	4 1
S 27	19 19	11 8	4 16	21 1	1 41	15 53	6 45	3 41	4 42	2 8	1 12	12 23	1 36	15 14	0 41	6 16	1 43	3 8	14 40	5 39	5 10	10 39	1 50	4 1
M28	19 5	14 12	4 49	21 9	1 26	15 53	6 47	3 36	4 44	2 3	1 12	12 20	1 36	15 13	0 41	6 16	1 43	3 8	14 40	5 40	5 11	10 37	1 50	4 1
T 29	18 51	16 30	5 7	21 16	1 11	15 54	6 48	3 31	4 46	1 59	1 12	12 18	1 36	15 12	0 41	6 17	1 43	3 8	14 40	5 41	5 12	10 36	1 49	4 1
W30	18 37	17 57	5 10	21 21	0 56	15 55	6 49	3 26	4 48	1 55	1 12	12 15	1 36	15 11	0 41	6 17	1 43	3 7	14 41	5 43	5 13	10 34	1 49	4 1
T 31	18n22	18n31	4s57	21n25	0s41	15n56	6s49	3s21	4s50	1n51	1n12	12n13	1n36	15n10	0n41	6s18	1n43	3n 7	14s41	5n45	5n15	10n33	1n48	4n 1

Julian Day Number = 2314760.5, Delta T = 61.67 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'48, Lahiri = 18°37'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

AUGUST 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 38 57	8♌41'46	14♋24	20♋41	14°R 8	2♈58	28♍17	2♍18	21♌ 7	20♎ 9	18♉ 6	15°R19	16♍41	28♌27	25°R13	F 1
S 2	20 42 54	9°39'17	26°28	22°10	13♋59	3°13	28°27	2°25	21°10	20°10	18° 6	15♍13	16°38	28°34	25♓12	S 2
S 3	20 46 50	10°36'49	8♌25	23°44	13°53	3°27	28°38	2°32	21°14	20°11	18° 7	15° 7	16°35	28°41	25°10	S 3
M 4	20 50 47	11°34'23	20°17	25°22	13°49	3°41	28°48	2°39	21°18	20°12	18° 7	15° 3	16°32	28°47	25° 8	M 4
T 5	20 54 44	12°31'57	2♍ 5	27° 5	13°D47	3°53	28°59	2°47	21°21	20°13	18° 7	15° 1	16°28	28°54	25° 6	T 5
W 6	20 58 40	13°29'32	13°51	28°50	13°47	4° 5	29° 9	2°54	21°25	20°14	18° 7	15°D 0	16°25	29° 1	25° 4	W 6
T 7	21 2 37	14°27'08	25°39	0♌39	13°50	4°17	29°20	3° 1	21°29	20°16	18° 8	15° 0	16°22	29° 7	25° 2	T 7
F 8	21 6 33	15°24'46	7♎32	2°31	13°55	4°27	29°31	3° 8	21°33	20°17	18° 8	15° 2	16°19	29°14	25° 0	F 8
S 9	21 10 30	16°22'24	19°34	4°25	14° 3	4°37	29°42	3°16	21°36	20°18	18° 8	15° 3	16°16	29°21	24°58	S 9
S 10	21 14 26	17°20'04	1♏50	6°22	14°12	4°46	29°53	3°23	21°40	20°19	18° 8	15° 5	16°13	29°27	24°56	S 10
M11	21 18 23	18°17'44	14°23	8°19	14°24	4°55	0♎ 4	3°31	21°44	20°20	18° 8	15°R 6	16° 9	29°34	24°54	M11
T 12	21 22 19	19°15'26	27°18	10°19	14°37	5° 2	0°15	3°38	21°48	20°22	18° 8	15° 6	16° 6	29°41	24°52	T 12
W13	21 26 16	20°13'08	10♐38	12°19	14°53	5° 9	0°27	3°45	21°51	20°23	18° 9	15° 4	16° 3	29°47	24°50	W13
T 14	21 30 12	21°10'52	24°27	14°19	15°10	5°15	0°38	3°53	21°55	20°24	18° 9	15° 2	16° 0	29°54	24°48	T 14
F 15	21 34 9	22° 8'37	8♑43	16°20	15°30	5°20	0°49	4° 0	21°59	20°26	18° 9	14°59	15°57	0♍ 0	24°45	F 15
S 16	21 38 6	23° 6'24	23°24	18°21	15°51	5°24	1° 1	4° 8	22° 3	20°27	18° 9	14°56	15°53	0° 7	24°43	S 16
S 17	21 42 2	24° 4'11	8♒24	20°22	16°14	5°27	1°12	4°15	22° 6	20°28	18° 9	14°54	15°50	0°14	24°41	S 17
M18	21 45 59	25° 2'00	23°36	22°22	16°39	5°30	1°24	4°23	22°10	20°30	18°R 9	14°52	15°47	0°20	24°39	M18
T 19	21 49 55	25°59'50	8♓49	24°22	17° 5	5°32	1°35	4°30	22°14	20°31	18° 9	14°D51	15°44	0°27	24°36	T 19
W20	21 53 52	26°57'42	23°53	26°21	17°33	5°33	1°47	4°38	22°17	20°33	18° 9	14°51	15°41	0°34	24°34	W20
T 21	21 57 48	27°55'35	8♈41	28°19	18° 2	5°R33	1°59	4°45	22°21	20°34	18° 9	14°52	15°38	0°40	24°31	T 21
F 22	22 1 45	28°53'30	23° 8	0♍16	18°33	5°32	2°10	4°53	22°25	20°36	18° 9	14°53	15°34	0°47	24°29	F 22
S 23	22 5 41	29°51'28	7♉ 9	2°12	19° 5	5°31	2°22	5° 0	22°29	20°37	18° 9	14°54	15°31	0°54	24°26	S 23
S 24	22 9 38	0♍49'27	20°44	4° 7	19°39	5°28	2°34	5° 8	22°32	20°39	18° 8	14°55	15°28	1° 0	24°24	S 24
M25	22 13 35	1°47'28	3♊54	6° 0	20°14	5°25	2°46	5°16	22°36	20°41	18° 8	14°R55	15°25	1° 7	24°21	M25
T 26	22 17 31	2°45'31	16°43	7°53	20°50	5°21	2°58	5°23	22°40	20°42	18° 8	14°55	15°22	1°14	24°19	T 26
W27	22 21 28	3°43'36	29°14	9°44	21°28	5°16	3°10	5°31	22°43	20°44	18° 8	14°54	15°19	1°20	24°16	W27
T 28	22 25 24	4°41'42	11♋29	11°34	22° 7	5°10	3°22	5°38	22°47	20°45	18° 8	14°52	15°15	1°27	24°14	T 28
F 29	22 29 21	5°39'51	23°33	13°23	22°46	5° 3	3°34	5°46	22°51	20°47	18° 7	14°51	15°12	1°34	24°11	F 29
S 30	22 33 17	6°38'02	5♌29	15°11	23°27	4°56	3°46	5°53	22°55	20°49	18° 7	14°50	15° 9	1°40	24° 8	S 30
S 31	22 37 14	7♍36'14	17♌19	16♍57	24♋ 9	4♈47	3♎59	6♍ 1	22♌58	20♎51	18♉ 7	14♍49	15♍ 6	1♍47	24♓ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n 7	18n12	4s32	21n27	0s27	15n57	6s49	3s17	4s52	1n47	1n11	12n10	1n36	15n 8	0n41	6s18	1n43	3n 7	14s41	5n48	5n16	10n31	1n47	4n 1	
S 2	17 52	17 4	3 54	21 26	0 13	15 59	6 48	3 13	4 54	1 42	1 11	12 7	1 36	15 7	0 41	6 18	1 43	3 7	14 41	5 50	5 17	10 30	1 47	4 1	
S 3	17 37	15 11	3 7	21 24	0n 0	16 1	6 47	3 9	4 56	1 38	1 11	12 5	1 36	15 6	0 41	6 19	1 43	3 7	14 42	5 52	5 18	10 28	1 46	4 2	
M 4	17 21	12 41	2 11	21 19	0 13	16 3	6 45	3 6	4 58	1 34	1 11	12 2	1 36	15 5	0 41	6 19	1 43	3 7	14 42	5 54	5 20	10 27	1 46	4 2	
T 5	17 5	9 40	1 10	21 11	0 25	16 6	6 42	3 2	5 0	1 29	1 11	12 0	1 36	15 4	0 41	6 20	1 43	3 6	14 42	5 55	5 21	10 25	1 45	4 2	
W 6	16 48	6 16	0 6	21 1	0 36	16 9	6 40	2 59	5 2	1 25	1 11	11 57	1 36	15 2	0 41	6 20	1 43	3 6	14 43	5 55	5 22	10 24	1 44	4 2	
T 7	16 32	2 37	0n58	20 48	0 46	16 11	6 37	2 57	5 4	1 21	1 11	11 54	1 36	15 1	0 41	6 21	1 43	3 6	14 43	5 55	5 23	10 22	1 44	4 2	
F 8	16 15	1s 9	2 1	20 33	0 56	16 14	6 33	2 54	5 6	1 16	1 11	11 52	1 36	15 0	0 41	6 21	1 43	3 6	14 43	5 55	5 25	10 21	1 43	4 2	
S 9	15 58	4 55	2 59	20 15	1 5	16 17	6 29	2 52	5 7	1 12	1 10	11 49	1 36	14 59	0 41	6 22	1 43	3 5	14 43	5 54	5 26	10 19	1 42	4 2	
S 10	15 40	8 32	3 50	19 54	1 13	16 21	6 25	2 50	5 9	1 7	1 10	11 46	1 36	14 58	0 41	6 22	1 43	3 5	14 44	5 53	5 27	10 18	1 41	4 2	
M11	15 22	11 52	4 31	19 30	1 20	16 24	6 21	2 48	5 11	1 3	1 10	11 44	1 36	14 56	0 41	6 23	1 43	3 5	14 44	5 53	5 28	10 16	1 41	4 2	
T 12	15 5	14 43	5 0	19 4	1 26	16 27	6 16	2 46	5 12	0 58	1 10	11 41	1 36	14 55	0 41	6 23	1 43	3 5	14 44	5 53	5 30	10 14	1 40	4 2	
W13	14 46	16 54	5 14	18 36	1 32	16 30	6 11	2 45	5 14	0 54	1 10	11 38	1 36	14 54	0 41	6 24	1 43	3 5	14 45	5 54	5 31	10 13	1 39	4 2	
T 14	14 28	18 11	5 11	18 6	1 36	16 33	6 6	2 44	5 15	0 49	1 10	11 36	1 36	14 53	0 41	6 24	1 43	3 4	14 45	5 54	5 32	10 11	1 38	4 2	
F 15	14 9	18 24	4 49	17 33	1 40	16 37	6 1	2 44	5 17	0 44	1 10	11 33	1 36	14 52	0 41	6 25	1 43	3 4	14 45	5 56	5 33	10 10	1 37	4 3	
S 16	13 51	17 24	4 7	16 59	1 42	16 40	5 55	2 43	5 18	0 40	1 10	11 30	1 36	14 50	0 41	6 25	1 42	3 4	14 45	5 57	5 34	10 8	1 37	4 3	
S 17	13 31	15 10	3 8	16 23	1 44	16 43	5 49	2 43	5 19	0 35	1 10	11 27	1 36	14 49	0 41	6 26	1 42	3 4	14 46	5 58	5 36	10 7	1 36	4 3	
M18	13 12	11 52	1 55	15 45	1 46	16 46	5 44	2 43	5 21	0 30	1 9	11 25	1 36	14 48	0 41	6 26	1 42	3 3	14 46	5 58	5 37	10 5	1 35	4 3	
T 19	12 53	7 46	0 33	15 6	1 46	16 48	5 38	2 43	5 22	0 26	1 9	11 22	1 36	14 47	0 41	6 27	1 42	3 3	14 46	5 59	5 38	10 4	1 34	4 3	
W20	12 33	3 12	0s50	14 25	1 46	16 51	5 32	2 44	5 23	0 21	1 9	11 19	1 36	14 45	0 41	6 28	1 42	3 3	14 46	5 59	5 39	10 2	1 33	4 3	
T 21	12 13	1n29	2 8	13 44	1 45	16 54	5 25	2 45	5 24	0 16	1 9	11 17	1 36	14 44	0 41	6 28	1 42	3 2	14 47	5 58	5 41	10 1	1 32	4 3	
F 22	11 53	5 58	3 17	13 1	1 44	16 56	5 19	2 46	5 25	0 11	1 9	11 14	1 36	14 43	0 41	6 29	1 42	3 2	14 47	5 58	5 42	9 59	1 31	4 3	
S 23	11 33	9 58	4 11	12 18	1 42	16 58	5 13	2 47	5 26	0 7	1 9	11 11	1 36	14 42	0 41	6 29	1 42	3 2	14 47	5 58	5 43	9 58	1 30	4 3	
S 24	11 12	13 19	4 49	11 34	1 39	17 0	5 6	2 49	5 26	0 2	1 9	11 8	1 36	14 41	0 41	6 30	1 42	3 2	14 48	5 57	5 44	9 56	1 29	4 3	
M25	10 51	15 52	5 11	10 49	1 36	17 1	4 59	2 51	5 27	0s 3	1 9	11 6	1 36	14 39	0 41	6 31	1 42	3 1	14 48	5 57	5 46	9 54	1 28	4 3	
T 26	10 31	17 34	5 17	10 4	1 33	17 3	4 53	2 53	5 27	0 8	1 9	11 3	1 36	14 38	0 41	6 31	1 42	3 1	14 48	5 57	5 47	9 53	1 27	4 3	
W27	10 10	18 22	5 7	9 18	1 29	17 4	4 46	2 55	5 28	0 13	1 9	11 0	1 36	14 37	0 41	6 32	1 42	3 1	14 48	5 58	5 48	9 51	1 26	4 3	
T 28	9 48	18 17	4 44	8 32	1 25	17 4	4 39	2 58	5 28	0 18	1 9	10 57	1 36	14 36	0 41	6 33	1 42	3 0	14 49	5 58	5 49	9 50	1 25	4 3	
F 29	9 27	17 21	4 8	7 46	1 20	17 5	4 33	3 1	5 28	0 23	1 8	10 55	1 37	14 35	0 41	6 33	1 42	3 0	14 49	5 59	5 51	9 48	1 24	4 3	
S 30	9 6	15 41	3 22	7 0	1 15	17 5	4 26	3 4	5 28	0 27	1 8	10 52	1 37	14 33	0 41	6 34	1 42	3 0	14 49	5 59	5 52	9 47	1 23	4 3	
S 31	8n44	13n20	2s27	6n14	1n10	17n 4	4s19	3s 7	5s28	0s32	1n 8	10n49	1n37	14n32	0n41	6s35	1n42	2n59	14s49	6n 0	5n53	9n45	1n22	4n 3	

Julian Day Number = 2314791.5, Delta T = 61.60 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'52, Lahiri = 18°37'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

SEPTEMBER 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 41 10	8♍34'29	29♌ 7	18♍43	24♋52	4°R38	4♎11	6♍ 9	23♌ 2	20♎52	18°R 7	14°R48	15♍ 3	1♍54	24°R 3	M 1
T 2	22 45 7	9°32'45	10♍54	20°27	25°36	4♈28	4°23	6°16	23° 5	20°54	18♉ 6	14°D48	14°59	2° 0	24♓ 0	T 2
W 3	22 49 4	10°31'03	22°44	22°10	26°21	4°18	4°35	6°24	23° 9	20°56	18° 6	14♍48	14°56	2° 7	23°58	W 3
T 4	22 53 0	11°29'22	4♎37	23°51	27° 7	4° 6	4°48	6°31	23°13	20°58	18° 6	14°48	14°53	2°13	23°55	T 4
F 5	22 56 57	12°27'44	16°37	25°32	27°54	3°54	5° 0	6°39	23°16	21° 0	18° 5	14°49	14°50	2°20	23°52	F 5
S 6	23 0 53	13°26'07	28°46	27°11	28°41	3°42	5°13	6°46	23°20	21° 1	18° 5	14°49	14°47	2°27	23°49	S 6
S 7	23 4 50	14°24'32	11♏ 7	28°50	29°30	3°28	5°25	6°54	23°23	21° 3	18° 5	14°R49	14°44	2°33	23°47	S 7
M 8	23 8 46	15°22'58	23°43	0♎27	0♌19	3°14	5°38	7° 2	23°27	21° 5	18° 4	14°49	14°40	2°40	23°44	M 8
T 9	23 12 43	16°21'26	6♐38	2° 3	1° 9	3° 0	5°50	7° 9	23°31	21° 7	18° 4	14°49	14°37	2°47	23°41	T 9
W10	23 16 39	17°19'56	19°54	3°38	1°59	2°45	6° 3	7°17	23°34	21° 9	18° 3	14°D49	14°34	2°53	23°38	W10
T 11	23 20 36	18°18'27	3♑33	5°13	2°51	2°29	6°16	7°24	23°38	21°11	18° 3	14°49	14°31	3° 0	23°36	T 11
F 12	23 24 33	19°17'00	17°36	6°46	3°43	2°14	6°28	7°32	23°41	21°13	18° 2	14°49	14°28	3° 7	23°33	F 12
S 13	23 28 29	20°15'35	2♒ 3	8°18	4°35	1°57	6°41	7°39	23°45	21°15	18° 2	14°50	14°24	3°13	23°30	S 13
S 14	23 32 26	21°14'12	16°50	9°48	5°29	1°41	6°54	7°46	23°48	21°17	18° 1	14°50	14°21	3°20	23°27	S 14
M15	23 36 22	22°12'50	1♓51	11°18	6°22	1°24	7° 6	7°54	23°51	21°19	18° 1	14°51	14°18	3°27	23°24	M15
T 16	23 40 19	23°11'30	16°59	12°47	7°17	1° 7	7°19	8° 1	23°55	21°21	18° 0	14°R51	14°15	3°33	23°22	T 16
W17	23 44 15	24°10'11	2♈ 5	14°15	8°12	0°49	7°32	8° 9	23°58	21°23	18° 0	14°50	14°12	3°40	23°19	W17
T 18	23 48 12	25° 8'55	17° 0	15°42	9° 8	0°32	7°45	8°16	24° 1	21°25	17°59	14°50	14° 9	3°47	23°16	T 18
F 19	23 52 8	26° 7'41	1♉35	17° 7	10° 4	0°14	7°58	8°23	24° 5	21°27	17°58	14°48	14° 5	3°53	23°13	F 19
S 20	23 56 5	27° 6'30	15°47	18°32	11° 1	29♓56	8°10	8°31	24° 8	21°29	17°58	14°47	14° 2	4° 0	23°10	S 20
S 21	0 0 1	28° 5'20	29°31	19°55	11°58	29°38	8°23	8°38	24°11	21°31	17°57	14°45	13°59	4° 6	23° 7	S 21
M22	0 3 58	29° 4'13	12♊48	21°18	12°56	29°21	8°36	8°45	24°15	21°33	17°56	14°44	13°56	4°13	23° 5	M22
T 23	0 7 55	0♎ 3'08	25°40	22°39	13°54	29° 3	8°49	8°53	24°18	21°35	17°56	14°D44	13°53	4°20	23° 2	T 23
W24	0 11 51	1° 2'06	8♋10	23°59	14°53	28°45	9° 2	9° 0	24°21	21°37	17°55	14°44	13°50	4°26	22°59	W24
T 25	0 15 48	2° 1'06	20°23	25°18	15°52	28°28	9°15	9° 7	24°24	21°40	17°54	14°45	13°46	4°33	22°56	T 25
F 26	0 19 44	3° 0'08	2♌23	26°35	16°52	28°10	9°28	9°14	24°27	21°42	17°53	14°46	13°43	4°40	22°54	F 26
S 27	0 23 41	3°59'12	14°14	27°51	17°52	27°53	9°41	9°21	24°30	21°44	17°53	14°47	13°40	4°46	22°51	S 27
S 28	0 27 37	4°58'19	26° 2	29° 5	18°52	27°37	9°54	9°28	24°34	21°46	17°52	14°49	13°37	4°53	22°48	S 28
M29	0 31 34	5°57'28	7♍49	0♏18	19°53	27°20	10° 7	9°35	24°37	21°48	17°51	14°50	13°34	5° 0	22°45	M29
T 30	0 35 30	6♎56'39	19♍39	1♏30	20♌54	27♓ 4	10♎20	9♍43	24♌40	21♎50	17♉50	14°R50	13♍30	5♍ 6	22♓43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n22	10n28	1s26	5n27	1n 4	17n 4	4s12	3s10	5s28	0s37	1n 8	10n46	1n37	14n31	0n41	6s35	1n42	2n59	14s50	6n 0	5n54	9n44	1n21	4n 3
T 2	8 0	7 9	0 22	4 41	0 58	17 3	4 5	3 14	5 28	0 42	1 8	10 44	1 37	14 30	0 41	6 36	1 42	2 59	14 50	6 0	5 55	9 42	1 20	4 3
W 3	7 38	3 34	0n44	3 55	0 52	17 1	3 58	3 18	5 27	0 47	1 8	10 41	1 37	14 29	0 41	6 37	1 42	2 58	14 50	6 0	5 57	9 40	1 19	4 3
T 4	7 16	0s11	1 48	3 9	0 46	17 0	3 51	3 21	5 26	0 52	1 8	10 38	1 37	14 28	0 41	6 37	1 42	2 58	14 50	6 0	5 58	9 39	1 18	4 3
F 5	6 54	3 57	2 48	2 23	0 39	16 57	3 44	3 25	5 26	0 57	1 8	10 35	1 37	14 26	0 41	6 38	1 42	2 58	14 51	6 0	5 59	9 37	1 17	4 3
S 6	6 31	7 37	3 41	1 37	0 32	16 55	3 37	3 30	5 25	1 2	1 8	10 33	1 37	14 25	0 41	6 39	1 42	2 57	14 51	6 0	6 0	9 36	1 16	4 3
S 7	6 9	11 0	4 25	0 51	0 25	16 52	3 31	3 34	5 24	1 7	1 8	10 30	1 37	14 24	0 41	6 40	1 42	2 57	14 51	6 0	6 2	9 34	1 15	4 3
M 8	5 46	13 57	4 57	0 6	0 18	16 48	3 24	3 38	5 22	1 12	1 8	10 27	1 37	14 23	0 41	6 40	1 42	2 57	14 52	6 0	6 3	9 33	1 13	4 3
T 9	5 24	16 17	5 15	0s39	0 11	16 45	3 17	3 43	5 21	1 17	1 8	10 24	1 37	14 22	0 42	6 41	1 42	2 56	14 52	6 0	6 4	9 31	1 12	4 3
W10	5 1	17 50	5 17	1 23	0 4	16 40	3 10	3 47	5 19	1 22	1 8	10 22	1 37	14 21	0 42	6 42	1 42	2 56	14 52	6 0	6 5	9 29	1 11	4 3
T 11	4 38	18 25	5 1	2 8	0s 3	16 35	3 3	3 52	5 18	1 27	1 8	10 19	1 38	14 19	0 42	6 43	1 42	2 56	14 52	6 0	6 6	9 28	1 10	4 3
F 12	4 15	17 54	4 28	2 51	0 11	16 30	2 56	3 56	5 16	1 32	1 8	10 16	1 38	14 18	0 42	6 43	1 42	2 55	14 52	5 59	6 8	9 26	1 9	4 3
S 13	3 52	16 14	3 36	3 35	0 18	16 25	2 49	4 1	5 14	1 38	1 7	10 14	1 38	14 17	0 42	6 44	1 41	2 55	14 53	5 59	6 9	9 25	1 8	4 3
S 14	3 29	13 27	2 30	4 17	0 26	16 18	2 43	4 6	5 12	1 43	1 7	10 11	1 38	14 16	0 42	6 45	1 41	2 55	14 53	5 59	6 10	9 23	1 6	4 3
M15	3 6	9 43	1 12	5 0	0 34	16 12	2 36	4 10	5 9	1 48	1 7	10 8	1 38	14 15	0 42	6 46	1 41	2 54	14 53	5 59	6 11	9 21	1 5	4 3
T 16	2 42	5 20	0s12	5 42	0 41	16 5	2 29	4 15	5 7	1 53	1 7	10 6	1 38	14 14	0 42	6 46	1 41	2 54	14 53	5 59	6 13	9 20	1 4	4 2
W17	2 19	0 37	1 34	6 23	0 49	15 57	2 23	4 19	5 4	1 58	1 7	10 3	1 38	14 13	0 42	6 47	1 41	2 53	14 54	5 59	6 14	9 18	1 3	4 2
T 18	1 56	4n 5	2 49	7 3	0 56	15 49	2 16	4 24	5 1	2 3	1 7	10 0	1 38	14 12	0 42	6 48	1 41	2 53	14 54	5 59	6 15	9 17	1 2	4 2
F 19	1 33	8 26	3 51	7 43	1 4	15 41	2 9	4 28	4 59	2 8	1 7	9 58	1 38	14 11	0 42	6 49	1 41	2 53	14 54	6 0	6 16	9 15	1 1	4 2
S 20	1 9	12 10	4 38	8 23	1 12	15 32	2 3	4 33	4 56	2 13	1 7	9 55	1 38	14 9	0 42	6 50	1 41	2 52	14 54	6 0	6 18	9 13	0 59	4 2
S 21	0 46	15 6	5 6	9 2	1 19	15 22	1 57	4 37	4 52	2 18	1 7	9 52	1 39	14 8	0 42	6 50	1 41	2 52	14 55	6 1	6 19	9 12	0 58	4 2
M22	0 22	17 8	5 17	9 40	1 27	15 12	1 50	4 41	4 49	2 23	1 7	9 50	1 39	14 7	0 42	6 51	1 41	2 52	14 55	6 1	6 20	9 10	0 57	4 2
T 23	0s 1	18 14	5 11	10 17	1 34	15 2	1 44	4 45	4 46	2 29	1 7	9 47	1 39	14 6	0 42	6 52	1 41	2 51	14 55	6 2	6 21	9 9	0 56	4 2
W24	0 25	18 24	4 51	10 54	1 41	14 51	1 37	4 48	4 42	2 34	1 7	9 44	1 39	14 5	0 42	6 53	1 41	2 51	14 55	6 1	6 22	9 7	0 55	4 2
T 25	0 48	17 41	4 18	11 29	1 49	14 39	1 31	4 52	4 38	2 39	1 7	9 42	1 39	14 4	0 42	6 54	1 41	2 50	14 55	6 1	6 24	9 5	0 53	4 2
F 26	1 12	16 12	3 34	12 4	1 56	14 28	1 25	4 55	4 35	2 44	1 7	9 39	1 39	14 3	0 42	6 54	1 41	2 50	14 56	6 1	6 25	9 4	0 52	4 2
S 27	1 35	14 1	2 41	12 38	2 3	14 15	1 19	4 59	4 31	2 49	1 7	9 37	1 39	14 2	0 42	6 55	1 41	2 50	14 56	6 0	6 26	9 2	0 51	4 1
S 28	1 59	11 16	1 42	13 11	2 10	14 2	1 13	5 2	4 27	2 54	1 7	9 34	1 39	14 1	0 42	6 56	1 41	2 49	14 56	5 59	6 27	9 1	0 50	4 1
M29	2 22	8 3	0 39	13 44	2 16	13 49	1 7	5 4	4 23	2 59	1 7	9 31	1 40	14 0	0 42	6 57	1 41	2 49	14 56	5 59	6 29	8 59	0 49	4 1
T 30	2s46	4n31	0n27	14s15	2s23	13n35	1s 1	5s 7	4s18	3s 4	1n 7	9n29	1n40	13n59	0n42	6s58	1n41	2n49	14s56	5n59	6n30	8n57	0n47	4n 1

Julian Day Number = 2314822.5, Delta T = 61.53 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°30'56, Lahiri = 18°37'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

OCTOBER 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 39 27	7♎55'52	1♎34	2♏39	21♌56	26°R49	10♎33	9♍50	24♌43	21♎53	17°R50	14°R49	13♍27	5♍13	22°R40	W 1
T 2	0 43 24	8°55'07	13°37	3°47	22°58	26♓34	10°46	9°56	24°46	21°55	17♉49	14♍47	13°24	5°20	22♓37	T 2
F 3	0 47 20	9°54'24	25°50	4°52	24° 0	26°19	10°59	10° 3	24°48	21°57	17°48	14°43	13°21	5°26	22°35	F 3
S 4	0 51 17	10°53'43	8♏13	5°56	25° 3	26° 5	11°12	10°10	24°51	21°59	17°47	14°39	13°18	5°33	22°32	S 4
S 5	0 55 13	11°53'05	20°48	6°57	26° 6	25°52	11°25	10°17	24°54	22° 1	17°46	14°35	13°15	5°39	22°29	S 5
M 6	0 59 10	12°52'28	3♐36	7°55	27° 9	25°39	11°38	10°24	24°57	22° 4	17°45	14°30	13°11	5°46	22°27	M 6
T 7	1 3 6	13°51'53	16°38	8°50	28°13	25°27	11°51	10°31	25° 0	22° 6	17°44	14°27	13° 8	5°53	22°24	T 7
W 8	1 7 3	14°51'20	29°56	9°43	29°17	25°16	12° 4	10°37	25° 3	22° 8	17°43	14°24	13° 5	5°59	22°22	W 8
T 9	1 10 59	15°50'48	13♑31	10°31	0♍21	25° 5	12°17	10°44	25° 5	22°10	17°42	14°D23	13° 2	6° 6	22°19	T 9
F 10	1 14 56	16°50'19	27°23	11°16	1°26	24°55	12°30	10°51	25° 8	22°12	17°42	14°24	12°59	6°13	22°17	F 10
S 11	1 18 53	17°49'51	11♒33	11°57	2°31	24°46	12°43	10°57	25°11	22°15	17°41	14°25	12°55	6°19	22°14	S 11
S 12	1 22 49	18°49'25	25°59	12°33	3°36	24°37	12°56	11° 4	25°13	22°17	17°40	14°27	12°52	6°26	22°12	S 12
M13	1 26 46	19°49'00	10♓39	13° 4	4°41	24°29	13° 9	11°10	25°16	22°19	17°39	14°R27	12°49	6°33	22° 9	M13
T 14	1 30 42	20°48'38	25°27	13°29	5°47	24°22	13°22	11°17	25°18	22°21	17°38	14°27	12°46	6°39	22° 7	T 14
W15	1 34 39	21°48'17	10♈18	13°49	6°53	24°16	13°35	11°23	25°21	22°24	17°37	14°25	12°43	6°46	22° 4	W15
T 16	1 38 35	22°47'58	25° 4	14° 1	7°59	24°11	13°48	11°30	25°23	22°26	17°36	14°21	12°40	6°53	22° 2	T 16
F 17	1 42 32	23°47'41	9♉36	14°R 6	9° 5	24° 6	14° 1	11°36	25°25	22°28	17°35	14°15	12°36	6°59	22° 0	F 17
S 18	1 46 28	24°47'26	23°48	14° 4	10°12	24° 2	14°14	11°42	25°28	22°30	17°34	14° 9	12°33	7° 6	21°58	S 18
S 19	1 50 25	25°47'14	7♊37	13°53	11°19	23°59	14°27	11°48	25°30	22°33	17°33	14° 2	12°30	7°13	21°55	S 19
M20	1 54 21	26°47'04	20°59	13°34	12°26	23°57	14°39	11°54	25°32	22°35	17°32	13°56	12°27	7°19	21°53	M20
T 21	1 58 18	27°46'56	3♋55	13° 5	13°33	23°55	14°52	12° 0	25°35	22°37	17°31	13°52	12°24	7°26	21°51	T 21
W22	2 2 15	28°46'50	16°29	12°27	14°41	23°D55	15° 5	12° 6	25°37	22°39	17°29	13°49	12°21	7°32	21°49	W22
T 23	2 6 11	29°46'46	28°43	11°40	15°49	23°55	15°18	12°12	25°39	22°42	17°28	13°D48	12°17	7°39	21°47	T 23
F 24	2 10 8	0♏46'45	10♌43	10°45	16°57	23°56	15°31	12°18	25°41	22°44	17°27	13°48	12°14	7°46	21°45	F 24
S 25	2 14 4	1°46'45	22°33	9°42	18° 5	23°57	15°44	12°24	25°43	22°46	17°26	13°50	12°11	7°52	21°43	S 25
S 26	2 18 1	2°46'48	4♍20	8°32	19°13	24° 0	15°56	12°30	25°45	22°48	17°25	13°51	12° 8	7°59	21°41	S 26
M27	2 21 57	3°46'53	16° 9	7°17	20°22	24° 3	16° 9	12°36	25°47	22°50	17°24	13°R51	12° 5	8° 6	21°39	M27
T 28	2 25 54	4°47'00	28° 2	5°59	21°31	24° 7	16°22	12°41	25°49	22°53	17°23	13°50	12° 1	8°12	21°37	T 28
W29	2 29 50	5°47'09	10♎ 5	4°41	22°39	24°12	16°34	12°47	25°51	22°55	17°22	13°47	11°58	8°19	21°35	W29
T 30	2 33 47	6°47'20	22°19	3°25	23°49	24°17	16°47	12°52	25°52	22°57	17°21	13°41	11°55	8°26	21°33	T 30
F 31	2 37 44	7♏47'32	4♏47	2♏13	24♍58	24♓24	17♎ 0	12♍58	25♌54	22♎59	17♉20	13♍33	11♍52	8♍32	21♓32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3s 9	0n46	1n31	14s45	2s29	13n21	0s55	5s 9	4s14	3s 9	1n 7	9n26	1n40	13n58	0n42	6s58	1n41	2n48	14s56	5n59	6n31	8n56	0n46	4n 1
T 2	3 33	3s 3	2 32	15 14	2 35	13 7	0 49	5 11	4 10	3 15	1 7	9 24	1 40	13 57	0 42	6 59	1 41	2 48	14 57	6 0	6 32	8 54	0 45	4 1
F 3	3 56	6 47	3 27	15 41	2 40	12 51	0 44	5 13	4 5	3 20	1 7	9 21	1 40	13 56	0 42	7 0	1 41	2 47	14 57	6 2	6 33	8 53	0 44	4 1
S 4	4 19	10 17	4 13	16 8	2 46	12 36	0 38	5 14	4 1	3 25	1 7	9 19	1 40	13 55	0 42	7 1	1 41	2 47	14 57	6 3	6 35	8 51	0 43	4 1
S 5	4 42	13 22	4 47	16 33	2 51	12 20	0 33	5 16	3 56	3 30	1 7	9 16	1 40	13 54	0 42	7 2	1 41	2 47	14 57	6 5	6 36	8 49	0 42	4 0
M 6	5 6	15 52	5 8	16 56	2 56	12 3	0 27	5 17	3 52	3 35	1 7	9 14	1 40	13 54	0 42	7 3	1 41	2 46	14 57	6 7	6 37	8 48	0 40	4 0
T 7	5 29	17 37	5 13	17 19	3 0	11 46	0 22	5 17	3 47	3 40	1 7	9 11	1 41	13 53	0 42	7 3	1 41	2 46	14 57	6 8	6 38	8 46	0 39	4 0
W 8	5 52	18 27	5 2	17 39	3 3	11 29	0 17	5 17	3 43	3 45	1 7	9 9	1 41	13 52	0 42	7 4	1 41	2 45	14 58	6 9	6 40	8 44	0 38	4 0
T 9	6 15	18 15	4 34	17 58	3 7	11 11	0 11	5 17	3 38	3 50	1 7	9 7	1 41	13 51	0 42	7 5	1 41	2 45	14 58	6 9	6 41	8 43	0 37	4 0
F 10	6 38	16 58	3 50	18 14	3 9	10 53	0 6	5 17	3 33	3 55	1 7	9 4	1 41	13 50	0 42	7 6	1 41	2 45	14 58	6 9	6 42	8 41	0 36	4 0
S 11	7 1	14 37	2 50	18 29	3 11	10 35	0 1	5 17	3 29	4 0	1 7	9 2	1 41	13 49	0 42	7 7	1 41	2 44	14 58	6 9	6 43	8 39	0 35	3 59
S 12	7 23	11 19	1 39	18 41	3 13	10 16	0n 4	5 16	3 24	4 5	1 7	9 0	1 41	13 48	0 42	7 8	1 41	2 44	14 58	6 8	6 44	8 38	0 34	3 59
M13	7 46	7 16	0 21	18 51	3 13	9 57	0 9	5 14	3 19	4 10	1 7	8 57	1 42	13 47	0 42	7 8	1 41	2 44	14 58	6 8	6 46	8 36	0 32	3 59
T 14	8 8	2 43	1s 0	18 59	3 13	9 37	0 13	5 13	3 15	4 15	1 7	8 55	1 42	13 47	0 42	7 9	1 41	2 43	14 58	6 8	6 47	8 35	0 31	3 59
W15	8 31	2n 0	2 16	19 3	3 11	9 17	0 18	5 11	3 10	4 20	1 7	8 53	1 42	13 46	0 42	7 10	1 41	2 43	14 58	6 9	6 48	8 33	0 30	3 59
T 16	8 53	6 34	3 23	19 4	3 8	8 56	0 23	5 9	3 5	4 26	1 7	8 50	1 42	13 45	0 43	7 11	1 41	2 42	14 59	6 10	6 49	8 31	0 29	3 59
F 17	9 15	10 40	4 16	19 2	3 5	8 36	0 27	5 7	3 1	4 31	1 7	8 48	1 42	13 44	0 43	7 12	1 41	2 42	14 59	6 13	6 51	8 30	0 28	3 58
S 18	9 37	14 4	4 51	18 57	3 0	8 15	0 31	5 4	2 56	4 35	1 7	8 46	1 42	13 44	0 43	7 13	1 41	2 42	14 59	6 15	6 52	8 28	0 27	3 58
S 19	9 59	16 33	5 8	18 47	2 53	7 53	0 36	5 1	2 51	4 40	1 7	8 44	1 43	13 43	0 43	7 13	1 41	2 41	14 59	6 18	6 53	8 26	0 26	3 58
M20	10 21	18 4	5 8	18 33	2 45	7 31	0 40	4 58	2 47	4 45	1 7	8 42	1 43	13 42	0 43	7 14	1 41	2 41	14 59	6 20	6 54	8 25	0 25	3 58
T 21	10 42	18 34	4 51	18 15	2 35	7 9	0 44	4 54	2 42	4 50	1 7	8 39	1 43	13 41	0 43	7 15	1 41	2 41	14 59	6 22	6 55	8 23	0 24	3 58
W22	11 4	18 9	4 21	17 53	2 23	6 47	0 48	4 50	2 38	4 55	1 7	8 37	1 43	13 41	0 43	7 16	1 41	2 40	14 59	6 23	6 57	8 21	0 23	3 57
T 23	11 25	16 52	3 40	17 26	2 10	6 24	0 52	4 46	2 33	5 0	1 7	8 35	1 43	13 40	0 43	7 17	1 41	2 40	14 59	6 23	6 58	8 20	0 22	3 57
F 24	11 46	14 52	2 50	16 54	1 55	6 1	0 56	4 42	2 29	5 5	1 7	8 33	1 44	13 39	0 43	7 18	1 41	2 40	14 59	6 23	6 59	8 18	0 21	3 57
S 25	12 7	12 15	1 53	16 18	1 38	5 38	0 59	4 37	2 25	5 10	1 7	8 31	1 44	13 39	0 43	7 18	1 41	2 39	14 59	6 22	7 0	8 16	0 20	3 57
S 26	12 28	9 8	0 51	15 38	1 20	5 14	1 3	4 32	2 20	5 15	1 7	8 29	1 44	13 38	0 43	7 19	1 41	2 39	14 59	6 22	7 1	8 15	0 19	3 56
M27	12 48	5 40	0n12	14 56	1 1	4 51	1 6	4 27	2 16	5 20	1 7	8 27	1 44	13 37	0 43	7 20	1 41	2 39	14 59	6 22	7 3	8 13	0 18	3 56
T 28	13 8	1 56	1 16	14 11	0 41	4 27	1 10	4 21	2 12	5 25	1 7	8 25	1 44	13 37	0 43	7 21	1 41	2 38	15 0	6 22	7 4	8 11	0 17	3 56
W29	13 29	1s54	2 16	13 25	0 20	4 2	1 13	4 16	2 8	5 29	1 7	8 23	1 45	13 36	0 43	7 22	1 41	2 38	15 0	6 24	7 5	8 10	0 16	3 56
T 30	13 48	5 44	3 12	12 40	0n 1	3 38	1 16	4 10	2 3	5 34	1 7	8 21	1 45	13 36	0 43	7 22	1 41	2 38	15 0	6 26	7 6	8 8	0 15	3 56
F 31	14s 8	9s24	3n59	11s56	0n21	3n13	1n19	4s 3	1s59	5s39	1n 8	8n19	1n45	13n35	0n43	7s23	1n41	2n37	15s 0	6n29	7n 8	8n 6	0n14	3n55

Julian Day Number = 2314852.5, Delta T = 61.46 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'01, Lahiri = 18°38'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1625
geocentric

NOVEMBER 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 41 40	8♏47'47	17♏29	1°R 8	26♍ 7	24♓31	17♎12	13♍ 3	25♌56	23♎ 1	17°R19	13°R23	11♍49	8♍39	21°R30	S 1
S 2	2 45 37	9°48'04	0♐25	0♏11	27°17	24°39	17°25	13° 8	25°57	23° 4	17♉17	13♍12	11°46	8°46	21♓28	S 2
M 3	2 49 33	10°48'22	13°34	29♎25	28°27	24°47	17°37	13°13	25°59	23° 6	17°16	13° 2	11°42	8°52	21°27	M 3
T 4	2 53 30	11°48'42	26°55	28°49	29°37	24°56	17°50	13°19	26° 1	23° 8	17°15	12°53	11°39	8°59	21°25	T 4
W 5	2 57 26	12°49'03	10♑27	28°25	0♎47	25° 6	18° 2	13°24	26° 2	23°10	17°14	12°47	11°36	9° 5	21°24	W 5
T 6	3 1 23	13°49'26	24° 8	28°12	1°57	25°17	18°15	13°29	26° 3	23°12	17°13	12°42	11°33	9°12	21°22	T 6
F 7	3 5 19	14°49'50	7♒59	28°D12	3° 7	25°28	18°27	13°34	26° 5	23°14	17°12	12°41	11°30	9°19	21°21	F 7
S 8	3 9 16	15°50'15	22° 0	28°22	4°18	25°40	18°39	13°38	26° 6	23°16	17°11	12°D41	11°27	9°25	21°20	S 8
S 9	3 13 13	16°50'42	6♓ 9	28°42	5°28	25°52	18°52	13°43	26° 7	23°19	17°10	12°R41	11°23	9°32	21°18	S 9
M10	3 17 9	17°51'10	20°26	29°11	6°39	26° 5	19° 4	13°48	26° 9	23°21	17° 8	12°41	11°20	9°39	21°17	M10
T 11	3 21 6	18°51'39	4♈49	29°50	7°50	26°19	19°16	13°52	26°10	23°23	17° 7	12°39	11°17	9°45	21°16	T 11
W12	3 25 2	19°52'10	19°14	0♏35	9° 1	26°34	19°28	13°57	26°11	23°25	17° 6	12°35	11°14	9°52	21°15	W12
T 13	3 28 59	20°52'42	3♉36	1°28	10°12	26°49	19°40	14° 1	26°12	23°27	17° 5	12°27	11°11	9°59	21°14	T 13
F 14	3 32 55	21°53'16	17°50	2°26	11°23	27° 4	19°52	14° 6	26°13	23°29	17° 4	12°17	11° 7	10° 5	21°13	F 14
S 15	3 36 52	22°53'51	1♊49	3°29	12°35	27°20	20° 4	14°10	26°14	23°31	17° 3	12° 6	11° 4	10°12	21°12	S 15
S 16	3 40 48	23°54'28	15°30	4°37	13°46	27°37	20°16	14°14	26°15	23°33	17° 2	11°54	11° 1	10°19	21°11	S 16
M17	3 44 45	24°55'06	28°50	5°49	14°58	27°54	20°28	14°18	26°16	23°35	17° 1	11°43	10°58	10°25	21°10	M17
T 18	3 48 42	25°55'46	11♋46	7° 4	16° 9	28°12	20°39	14°22	26°17	23°37	17° 0	11°33	10°55	10°32	21° 9	T 18
W19	3 52 38	26°56'27	24°20	8°22	17°21	28°30	20°51	14°26	26°17	23°39	16°58	11°26	10°52	10°38	21° 8	W19
T 20	3 56 35	27°57'10	6♌36	9°43	18°33	28°49	21° 3	14°30	26°18	23°41	16°57	11°22	10°48	10°45	21° 7	T 20
F 21	4 0 31	28°57'54	18°37	11° 5	19°45	29° 8	21°14	14°33	26°19	23°43	16°56	11°20	10°45	10°52	21° 7	F 21
S 22	4 4 28	29°58'40	0♍28	12°29	20°57	29°27	21°26	14°37	26°19	23°45	16°55	11°D20	10°42	10°58	21° 6	S 22
S 23	4 8 24	0♐59'28	12°15	13°55	22°10	29°47	21°37	14°40	26°20	23°46	16°54	11°R20	10°39	11° 5	21° 6	S 23
M24	4 12 21	2° 0'17	24° 4	15°21	23°22	0♈ 8	21°49	14°44	26°20	23°48	16°53	11°19	10°36	11°12	21° 5	M24
T 25	4 16 17	3° 1'08	6♎ 0	16°49	24°34	0°29	22° 0	14°47	26°20	23°50	16°52	11°17	10°33	11°18	21° 5	T 25
W26	4 20 14	4° 1'59	18° 8	18°18	25°47	0°50	22°11	14°50	26°21	23°52	16°51	11°12	10°29	11°25	21° 4	W26
T 27	4 24 11	5° 2'53	0♏31	19°47	26°59	1°12	22°23	14°54	26°21	23°54	16°50	11° 4	10°26	11°32	21° 4	T 27
F 28	4 28 7	6° 3'47	13°12	21°17	28°12	1°35	22°34	14°57	26°21	23°56	16°49	10°54	10°23	11°38	21° 4	F 28
S 29	4 32 4	7° 4'43	26°12	22°48	29°25	1°57	22°45	15° 0	26°22	23°57	16°48	10°42	10°20	11°45	21° 4	S 29
S 30	4 36 0	8♐ 5'40	9♐30	24♏19	0♏37	2♈20	22♎56	15♍ 2	26♌22	23♎59	16♉47	10♍28	10♍17	11♍52	21♓ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s28	12s41	4n35	11s16	0n40	2n48	1n22	3s57	1s55	5s44	1n 8	8n17	1n45	13n35	0n43	7s24	1n41	2n37	15s 0	6n33	7n 9	8n 5	0n13	3n55
S 2	14 47	15 26	4 57	10 39	0 58	2 23	1 25	3 50	1 51	5 49	1 8	8 16	1 45	13 34	0 43	7 25	1 41	2 37	15 0	6 37	7 10	8 3	0 13	3 55
M 3	15 6	17 26	5 5	10 7	1 15	1 58	1 28	3 43	1 48	5 53	1 8	8 14	1 46	13 34	0 43	7 25	1 41	2 36	15 0	6 41	7 11	8 1	0 12	3 55
T 4	15 24	18 31	4 56	9 41	1 30	1 32	1 31	3 36	1 44	5 58	1 8	8 12	1 46	13 33	0 43	7 26	1 41	2 36	15 0	6 44	7 12	8 0	0 11	3 54
W 5	15 43	18 35	4 30	9 20	1 42	1 7	1 33	3 29	1 40	6 3	1 8	8 10	1 46	13 33	0 43	7 27	1 41	2 36	15 0	6 47	7 14	7 58	0 10	3 54
T 6	16 1	17 34	3 49	9 5	1 53	0 41	1 36	3 21	1 36	6 7	1 8	8 8	1 46	13 32	0 43	7 28	1 41	2 36	15 0	6 48	7 15	7 56	0 9	3 54
F 7	16 19	15 30	2 54	8 57	2 2	0 15	1 38	3 13	1 33	6 12	1 8	8 7	1 46	13 32	0 43	7 29	1 41	2 35	15 0	6 49	7 16	7 55	0 8	3 54
S 8	16 37	12 30	1 48	8 54	2 10	0s11	1 40	3 5	1 29	6 17	1 8	8 5	1 47	13 31	0 43	7 29	1 41	2 35	15 0	6 49	7 17	7 53	0 8	3 53
S 9	16 54	8 44	0 35	8 56	2 15	0 37	1 42	2 57	1 26	6 21	1 8	8 4	1 47	13 31	0 43	7 30	1 41	2 35	15 0	6 49	7 18	7 51	0 7	3 53
M10	17 11	4 26	0s41	9 2	2 19	1 3	1 44	2 49	1 22	6 26	1 8	8 2	1 47	13 31	0 44	7 31	1 42	2 34	15 0	6 49	7 20	7 50	0 6	3 53
T 11	17 28	0n 9	1 55	9 13	2 22	1 29	1 46	2 40	1 19	6 30	1 8	8 0	1 47	13 30	0 44	7 32	1 42	2 34	15 0	6 49	7 21	7 48	0 6	3 53
W12	17 44	4 44	3 2	9 28	2 23	1 56	1 48	2 31	1 15	6 35	1 8	7 59	1 48	13 30	0 44	7 32	1 42	2 34	15 0	6 51	7 22	7 46	0 5	3 52
T 13	18 1	9 2	3 56	9 46	2 23	2 22	1 50	2 22	1 12	6 39	1 8	7 57	1 48	13 30	0 44	7 33	1 42	2 34	14 59	6 54	7 23	7 45	0 4	3 52
F 14	18 16	12 46	4 35	10 7	2 22	2 49	1 51	2 13	1 9	6 44	1 8	7 56	1 48	13 29	0 44	7 34	1 42	2 33	14 59	6 58	7 24	7 43	0 3	3 52
S 15	18 32	15 43	4 57	10 31	2 20	3 15	1 53	2 4	1 6	6 48	1 9	7 54	1 48	13 29	0 44	7 34	1 42	2 33	14 59	7 2	7 26	7 41	0 3	3 52
S 16	18 47	17 42	5 1	10 56	2 17	3 42	1 54	1 54	1 3	6 52	1 9	7 53	1 48	13 29	0 44	7 35	1 42	2 33	14 59	7 7	7 27	7 39	0 2	3 51
M17	19 2	18 40	4 49	11 23	2 13	4 8	1 55	1 45	0 59	6 57	1 9	7 52	1 49	13 28	0 44	7 36	1 42	2 33	14 59	7 11	7 28	7 38	0 2	3 51
T 18	19 17	18 37	4 22	11 52	2 9	4 35	1 56	1 35	0 56	7 1	1 9	7 50	1 49	13 28	0 44	7 37	1 42	2 32	14 59	7 15	7 29	7 36	0 1	3 51
W19	19 31	17 39	3 42	12 21	2 4	5 1	1 57	1 25	0 54	7 5	1 9	7 49	1 49	13 28	0 44	7 37	1 42	2 32	14 59	7 17	7 30	7 34	0 1	3 50
T 20	19 45	15 52	2 53	12 52	1 59	5 28	1 58	1 15	0 51	7 10	1 9	7 48	1 49	13 28	0 44	7 38	1 42	2 32	14 59	7 19	7 32	7 33	0 0	3 50
F 21	19 58	13 25	1 58	13 23	1 54	5 54	1 59	1 5	0 48	7 14	1 9	7 47	1 50	13 28	0 44	7 39	1 42	2 32	14 59	7 20	7 33	7 31	0s 0	3 50
S 22	20 11	10 26	0 57	13 54	1 48	6 20	2 0	0 54	0 45	7 18	1 9	7 45	1 50	13 28	0 44	7 39	1 42	2 32	14 59	7 20	7 34	7 29	0 1	3 50
S 23	20 24	7 3	0n 5	14 26	1 42	6 47	2 1	0 44	0 42	7 22	1 9	7 44	1 50	13 27	0 44	7 40	1 42	2 31	14 59	7 20	7 35	7 28	0 1	3 49
M24	20 36	3 23	1 7	14 57	1 35	7 13	2 1	0 33	0 40	7 27	1 9	7 43	1 50	13 27	0 44	7 41	1 42	2 31	14 59	7 20	7 37	7 26	0 2	3 49
T 25	20 48	0s27	2 7	15 29	1 29	7 39	2 2	0 22	0 37	7 31	1 10	7 42	1 51	13 27	0 44	7 41	1 42	2 31	14 59	7 21	7 38	7 24	0 2	3 49
W26	21 0	4 19	3 2	16 0	1 22	8 5	2 2	0 11	0 34	7 35	1 10	7 41	1 51	13 27	0 44	7 42	1 42	2 31	14 58	7 23	7 39	7 22	0 3	3 49
T 27	21 11	8 6	3 49	16 31	1 15	8 31	2 2	0 0	0 32	7 39	1 10	7 40	1 51	13 27	0 44	7 43	1 42	2 31	14 58	7 26	7 40	7 21	0 3	3 48
F 28	21 22	11 36	4 26	17 1	1 8	8 57	2 3	0n11	0 29	7 43	1 10	7 39	1 51	13 27	0 44	7 43	1 42	2 31	14 58	7 30	7 41	7 19	0 3	3 48
S 29	21 32	14 37	4 51	17 32	1 1	9 22	2 3	0 22	0 27	7 47	1 10	7 38	1 52	13 27	0 44	7 44	1 42	2 30	14 58	7 34	7 43	7 17	0 4	3 48
S 30	21s42	16s58	5n 0	18s 1	0n54	9s48	2n 3	0n33	0s25	7s51	1n10	7n38	1n52	13n27	0n44	7s44	1n42	2n30	14s58	7n39	7n44	7n16	0s 4	3n47

Julian Day Number = 2314883.5, Delta T = 61.39 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'05, Lahiri = 18°38'05Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1625
geocentric

DECEMBER 1625 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 39 57	9♐ 6'38	23♐ 4	25♏50	1♏50	2♈44	23♎ 7	15♍ 5	26♌22	24♎ 1	16°R46	10°R15	10♍13	11♍58	21°R 3	M 1
T 2	4 43 53	10° 7'37	6♑51	27°21	3° 3	3° 8	23°17	15° 8	26°R22	24° 3	16♉44	10♍ 3	10°10	12° 5	21°D 3	T 2
W 3	4 47 50	11° 8'37	20°47	28°53	4°16	3°32	23°28	15°10	26°22	24° 4	16°43	9°54	10° 7	12°12	21♓ 3	W 3
T 4	4 51 46	12° 9'38	4♒48	0♐25	5°29	3°56	23°39	15°13	26°22	24° 6	16°42	9°48	10° 4	12°18	21° 3	T 4
F 5	4 55 43	13°10'39	18°52	1°57	6°43	4°21	23°49	15°15	26°21	24° 8	16°41	9°45	10° 1	12°25	21° 4	F 5
S 6	4 59 40	14°11'40	2♓57	3°30	7°56	4°47	24° 0	15°17	26°21	24° 9	16°40	9°44	9°58	12°31	21° 4	S 6
S 7	5 3 36	15°12'42	17° 2	5° 2	9° 9	5°12	24°10	15°19	26°21	24°11	16°39	9°44	9°54	12°38	21° 4	S 7
M 8	5 7 33	16°13'45	1♈ 6	6°35	10°22	5°38	24°20	15°21	26°21	24°12	16°39	9°43	9°51	12°45	21° 4	M 8
T 9	5 11 29	17°14'48	15° 8	8° 8	11°36	6° 4	24°30	15°23	26°20	24°14	16°38	9°41	9°48	12°51	21° 5	T 9
W10	5 15 26	18°15'51	29° 8	9°41	12°49	6°31	24°41	15°25	26°20	24°15	16°37	9°36	9°45	12°58	21° 5	W10
T 11	5 19 22	19°16'55	13♉ 2	11°14	14° 2	6°58	24°51	15°27	26°19	24°17	16°36	9°28	9°42	13° 5	21° 6	T 11
F 12	5 23 19	20°17'59	26°49	12°47	15°16	7°25	25° 0	15°28	26°19	24°18	16°35	9°17	9°38	13°11	21° 6	F 12
S 13	5 27 15	21°19'04	10♊25	14°20	16°30	7°52	25°10	15°30	26°18	24°20	16°34	9° 5	9°35	13°18	21° 7	S 13
S 14	5 31 12	22°20'09	23°47	15°54	17°43	8°20	25°20	15°31	26°17	24°21	16°33	8°52	9°32	13°25	21° 8	S 14
M15	5 35 9	23°21'15	6♋52	17°28	18°57	8°48	25°29	15°32	26°17	24°22	16°32	8°39	9°29	13°31	21° 8	M15
T 16	5 39 5	24°22'22	19°39	19° 1	20°11	9°16	25°39	15°34	26°16	24°24	16°31	8°29	9°26	13°38	21° 9	T 16
W17	5 43 2	25°23'29	2♌ 8	20°35	21°24	9°44	25°48	15°35	26°15	24°25	16°30	8°20	9°23	13°45	21°10	W17
T 18	5 46 58	26°24'37	14°22	22°10	22°38	10°13	25°58	15°35	26°14	24°26	16°30	8°15	9°19	13°51	21°11	T 18
F 19	5 50 55	27°25'45	26°22	23°44	23°52	10°42	26° 7	15°36	26°13	24°28	16°29	8°12	9°16	13°58	21°12	F 19
S 20	5 54 51	28°26'53	8♍13	25°19	25° 6	11°11	26°16	15°37	26°12	24°29	16°28	8°D12	9°13	14° 4	21°13	S 20
S 21	5 58 48	29°28'02	20° 1	26°54	26°20	11°40	26°25	15°38	26°11	24°30	16°27	8°12	9°10	14°11	21°14	S 21
M22	6 2 44	0♑29'12	1♎50	28°29	27°34	12°10	26°33	15°38	26°10	24°31	16°26	8°R12	9° 7	14°18	21°15	M22
T 23	6 6 41	1°30'22	13°45	0♑ 4	28°48	12°39	26°42	15°38	26° 9	24°32	16°26	8°12	9° 4	14°24	21°16	T 23
W24	6 10 38	2°31'33	25°54	1°40	0♐ 2	13° 9	26°51	15°39	26° 8	24°33	16°25	8° 9	9° 0	14°31	21°17	W24
T 25	6 14 34	3°32'44	8♏19	3°16	1°16	13°40	26°59	15°39	26° 7	24°35	16°24	8° 3	8°57	14°38	21°19	T 25
F 26	6 18 31	4°33'56	21° 6	4°52	2°30	14°10	27° 7	15°R39	26° 5	24°36	16°23	7°56	8°54	14°44	21°20	F 26
S 27	6 22 27	5°35'07	4♐15	6°29	3°44	14°40	27°16	15°39	26° 4	24°37	16°23	7°46	8°51	14°51	21°21	S 27
S 28	6 26 24	6°36'19	17°48	8° 6	4°58	15°11	27°24	15°39	26° 3	24°38	16°22	7°35	8°48	14°58	21°23	S 28
M29	6 30 20	7°37'31	1♑43	9°43	6°13	15°42	27°32	15°38	26° 1	24°39	16°21	7°24	8°44	15° 4	21°24	M29
T 30	6 34 17	8°38'44	15°54	11°21	7°27	16°13	27°40	15°38	26° 0	24°39	16°21	7°15	8°41	15°11	21°26	T 30
W31	6 38 14	9♑39'56	0♒18	12♑59	8♐41	16♈45	27♎47	15♍37	25♌58	24♎40	16♉20	7♍ 8	8♍38	15♍18	21♓27	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s52	18s26	4n53	18s30	0n46	10s13	2n 2	0n45	0s22	7s55	1n10	7n37	1n52	13n27	0n44	7s45	1n42	2n30	14s58	7n44	7n45	7n14	0s 4	3n47
T 2	22 1	18 50	4 29	18 58	0 39	10 38	2 2	0 56	0 20	7 59	1 10	7 36	1 52	13 27	0 44	7 46	1 42	2 30	14 58	7 49	7 46	7 12	0 5	3 47
W 3	22 9	18 7	3 48	19 26	0 32	11 3	2 2	1 8	0 18	8 2	1 10	7 35	1 53	13 27	0 45	7 46	1 42	2 30	14 57	7 52	7 47	7 10	0 5	3 47
T 4	22 18	16 18	2 53	19 52	0 25	11 28	2 1	1 20	0 16	8 6	1 11	7 34	1 53	13 27	0 45	7 47	1 42	2 30	14 57	7 55	7 49	7 9	0 5	3 46
F 5	22 25	13 29	1 48	20 18	0 18	11 53	2 1	1 32	0 13	8 10	1 11	7 34	1 53	13 27	0 45	7 47	1 42	2 30	14 57	7 56	7 50	7 7	0 5	3 46
S 6	22 33	9 53	0 36	20 43	0 11	12 17	2 0	1 44	0 11	8 14	1 11	7 33	1 54	13 27	0 45	7 48	1 42	2 30	14 57	7 56	7 51	7 5	0 5	3 46
S 7	22 40	5 43	0s39	21 7	0 4	12 41	2 0	1 56	0 9	8 17	1 11	7 33	1 54	13 28	0 45	7 48	1 43	2 30	14 57	7 56	7 52	7 3	0 6	3 45
M 8	22 46	1 15	1 51	21 30	0s 3	13 5	1 59	2 8	0 7	8 21	1 11	7 32	1 54	13 28	0 45	7 49	1 43	2 29	14 57	7 56	7 53	7 2	0 6	3 45
T 9	22 52	3n16	2 56	21 52	0 10	13 28	1 58	2 20	0 5	8 25	1 11	7 32	1 54	13 28	0 45	7 49	1 43	2 29	14 56	7 57	7 55	7 0	0 6	3 45
W10	22 58	7 36	3 50	22 14	0 17	13 51	1 57	2 32	0 3	8 28	1 11	7 31	1 55	13 28	0 45	7 50	1 43	2 29	14 56	7 59	7 56	6 58	0 6	3 45
T 11	23 3	11 29	4 30	22 34	0 24	14 14	1 56	2 45	0 1	8 32	1 11	7 31	1 55	13 28	0 45	7 50	1 43	2 29	14 56	8 2	7 57	6 57	0 6	3 44
F 12	23 8	14 43	4 54	22 53	0 30	14 36	1 55	2 57	0n 1	8 35	1 12	7 30	1 55	13 28	0 45	7 51	1 43	2 29	14 56	8 6	7 58	6 55	0 6	3 44
S 13	23 12	17 5	5 1	23 10	0 37	14 59	1 54	3 10	0 2	8 39	1 12	7 30	1 55	13 29	0 45	7 51	1 43	2 29	14 56	8 11	7 59	6 53	0 6	3 44
S 14	23 16	18 30	4 51	23 27	0 43	15 21	1 53	3 22	0 4	8 42	1 12	7 30	1 56	13 29	0 45	7 52	1 43	2 29	14 55	8 16	8 1	6 51	0 6	3 43
M15	23 19	18 53	4 26	23 43	0 49	15 42	1 52	3 35	0 6	8 45	1 12	7 30	1 56	13 29	0 45	7 52	1 43	2 29	14 55	8 20	8 2	6 50	0 6	3 43
T 16	23 22	18 17	3 48	23 57	0 55	16 3	1 50	3 48	0 8	8 49	1 12	7 29	1 56	13 30	0 45	7 53	1 43	2 29	14 55	8 24	8 3	6 48	0 6	3 43
W17	23 24	16 49	2 59	24 10	1 1	16 24	1 49	4 0	0 9	8 52	1 12	7 29	1 57	13 30	0 45	7 53	1 43	2 29	14 55	8 28	8 4	6 46	0 6	3 43
T 18	23 26	14 35	2 3	24 22	1 7	16 44	1 47	4 13	0 11	8 55	1 13	7 29	1 57	13 30	0 45	7 53	1 43	2 29	14 55	8 29	8 5	6 44	0 6	3 42
F 19	23 28	11 46	1 3	24 32	1 12	17 4	1 46	4 26	0 13	8 58	1 13	7 29	1 57	13 31	0 45	7 54	1 43	2 29	14 54	8 30	8 7	6 43	0 6	3 42
S 20	23 29	8 30	0n 0	24 42	1 17	17 24	1 44	4 39	0 14	9 1	1 13	7 29	1 57	13 31	0 45	7 54	1 43	2 29	14 54	8 31	8 8	6 41	0 6	3 42
S 21	23 29	4 55	1 3	24 49	1 23	17 43	1 42	4 52	0 16	9 5	1 13	7 29	1 58	13 31	0 45	7 55	1 43	2 29	14 54	8 31	8 9	6 39	0 5	3 42
M22	23 29	1 9	2 3	24 56	1 27	18 1	1 40	5 5	0 17	9 8	1 13	7 29	1 58	13 32	0 45	7 55	1 43	2 29	14 54	8 31	8 10	6 37	0 5	3 41
T 23	23 29	2s42	2 58	25 1	1 32	18 20	1 39	5 18	0 19	9 11	1 13	7 29	1 58	13 32	0 45	7 55	1 43	2 29	14 53	8 31	8 11	6 36	0 5	3 41
W24	23 28	6 31	3 46	25 5	1 36	18 37	1 37	5 31	0 20	9 13	1 14	7 29	1 58	13 33	0 45	7 56	1 43	2 29	14 53	8 32	8 13	6 34	0 5	3 41
T 25	23 26	10 8	4 25	25 7	1 41	18 54	1 35	5 44	0 22	9 16	1 14	7 30	1 59	13 33	0 45	7 56	1 43	2 29	14 53	8 34	8 14	6 32	0 5	3 40
F 26	23 24	13 23	4 51	25 8	1 45	19 11	1 33	5 57	0 23	9 19	1 14	7 30	1 59	13 34	0 46	7 56	1 44	2 29	14 53	8 37	8 15	6 30	0 4	3 40
S 27	23 22	16 4	5 4	25 8	1 48	19 27	1 31	6 10	0 24	9 22	1 14	7 30	1 59	13 34	0 46	7 57	1 44	2 29	14 52	8 40	8 16	6 29	0 4	3 40
S 28	23 19	17 57	4 59	25 6	1 52	19 43	1 29	6 23	0 26	9 25	1 14	7 30	2 0	13 35	0 46	7 57	1 44	2 29	14 52	8 44	8 17	6 27	0 4	3 40
M29	23 16	18 51	4 38	25 2	1 55	19 58	1 26	6 37	0 27	9 27	1 14	7 31	2 0	13 35	0 46	7 57	1 44	2 29	14 52	8 48	8 18	6 25	0 3	3 39
T 30	23 12	18 35	3 58	24 57	1 57	20 13	1 24	6 50	0 28	9 30	1 15	7 31	2 0	13 36	0 46	7 58	1 44	2 30	14 52	8 52	8 20	6 23	0 3	3 39
W31	23s 8	17s 8	3n 4	24s50	2s 0	20s27	1n22	7n 3	0n30	9s33	1n15	7n32	2n 0	13n36	0n46	7s58	1n44	2n30	14s51	8n55	8n21	6n21	0s 2	3n39

Julian Day Number = 2314913.5, Delta T = 61.32 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'09, Lahiri = 18°38'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

JANUARY 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 42 10	10♉41'07	14♒47	14♉38	9♐55	17♈16	27♎55	15°R37	25°R57	24♎41	16°R19	7°R 3	8♍35	15♍24	21♓29	T 1
F 2	6 46 7	11°42'19	29°16	16°17	11°10	17°48	28° 2	15♍36	25♌55	24°42	16♉19	7♍ 1	8°32	15°31	21°31	F 2
S 3	6 50 3	12°43'29	13♓39	17°56	12°24	18°20	28° 9	15°35	25°53	24°43	16°18	7°D 1	8°29	15°38	21°32	S 3
S 4	6 54 0	13°44'40	27°55	19°35	13°38	18°52	28°17	15°34	25°52	24°44	16°18	7° 2	8°25	15°44	21°34	S 4
M 5	6 57 56	14°45'49	12♈ 1	21°15	14°53	19°24	28°24	15°33	25°50	24°44	16°17	7°R 2	8°22	15°51	21°36	M 5
T 6	7 1 53	15°46'58	25°56	22°55	16° 7	19°56	28°30	15°32	25°48	24°45	16°17	7° 2	8°19	15°57	21°38	T 6
W 7	7 5 49	16°48'07	9♉41	24°36	17°21	20°28	28°37	15°31	25°46	24°46	16°16	6°59	8°16	16° 4	21°40	W 7
T 8	7 9 46	17°49'15	23°14	26°17	18°36	21° 1	28°44	15°29	25°44	24°46	16°16	6°55	8°13	16°11	21°42	T 8
F 9	7 13 43	18°50'22	6♊36	27°58	19°50	21°34	28°50	15°28	25°43	24°47	16°15	6°48	8°10	16°17	21°44	F 9
S 10	7 17 39	19°51'28	19°46	29°39	21° 5	22° 6	28°56	15°26	25°41	24°47	16°15	6°40	8° 6	16°24	21°46	S 10
S 11	7 21 36	20°52'34	2♋44	1♒20	22°19	22°39	29° 2	15°25	25°39	24°48	16°14	6°31	8° 3	16°31	21°48	S 11
M12	7 25 32	21°53'39	15°28	3° 1	23°34	23°12	29° 8	15°23	25°37	24°48	16°14	6°23	8° 0	16°37	21°50	M12
T 13	7 29 29	22°54'44	27°59	4°42	24°48	23°46	29°14	15°21	25°35	24°49	16°14	6°16	7°57	16°44	21°53	T 13
W14	7 33 25	23°55'48	10♌18	6°22	26° 3	24°19	29°20	15°19	25°33	24°49	16°13	6°11	7°54	16°51	21°55	W14
T 15	7 37 22	24°56'51	22°24	8° 3	27°17	24°52	29°25	15°17	25°30	24°50	16°13	6° 7	7°50	16°57	21°57	T 15
F 16	7 41 18	25°57'54	4♍21	9°42	28°32	25°26	29°31	15°15	25°28	24°50	16°13	6°D 6	7°47	17° 4	22° 0	F 16
S 17	7 45 15	26°58'56	16°11	11°21	29°46	25°59	29°36	15°12	25°26	24°50	16°12	6° 7	7°44	17°11	22° 2	S 17
S 18	7 49 12	27°59'58	27°58	12°58	1♉ 1	26°33	29°41	15°10	25°24	24°51	16°12	6° 8	7°41	17°17	22° 4	S 18
M19	7 53 8	29° 0'59	9♎46	14°34	2°15	27° 7	29°46	15° 8	25°22	24°51	16°12	6°10	7°38	17°24	22° 7	M19
T 20	7 57 5	0♒ 2'00	21°41	16° 8	3°30	27°41	29°50	15° 5	25°19	24°51	16°12	6°11	7°35	17°31	22° 9	T 20
W21	8 1 1	1° 2'59	3♏48	17°39	4°44	28°15	29°55	15° 2	25°17	24°51	16°12	6°R12	7°31	17°37	22°12	W21
T 22	8 4 58	2° 3'59	16°10	19° 8	5°59	28°49	29°59	15° 0	25°15	24°51	16°11	6°11	7°28	17°44	22°15	T 22
F 23	8 8 54	3° 4'58	28°54	20°34	7°14	29°23	0♏ 3	14°57	25°12	24°52	16°11	6° 8	7°25	17°50	22°17	F 23
S 24	8 12 51	4° 5'56	12♐ 3	21°55	8°28	29°57	0° 7	14°54	25°10	24°52	16°11	6° 4	7°22	17°57	22°20	S 24
S 25	8 16 47	5° 6'53	25°38	23°12	9°43	0♉32	0°11	14°51	25° 8	24°52	16°11	5°59	7°19	18° 4	22°23	S 25
M26	8 20 44	6° 7'49	9♉40	24°23	10°57	1° 6	0°15	14°48	25° 5	24°R52	16°11	5°54	7°16	18°10	22°26	M26
T 27	8 24 41	7° 8'45	24° 4	25°28	12°12	1°41	0°18	14°44	25° 3	24°52	16°11	5°50	7°12	18°17	22°28	T 27
W28	8 28 37	8° 9'39	8♒47	26°27	13°27	2°16	0°22	14°41	25° 0	24°52	16°11	5°47	7° 9	18°24	22°31	W28
T 29	8 32 34	9°10'33	23°39	27°17	14°41	2°50	0°25	14°38	24°58	24°51	16°11	5°45	7° 6	18°30	22°34	T 29
F 30	8 36 30	10°11'25	8♓35	27°59	15°56	3°25	0°28	14°34	24°55	24°51	16°D11	5°D45	7° 3	18°37	22°37	F 30
S 31	8 40 27	11♒12'15	23♓25	28♒32	17♉11	4♉ 0	0♏30	14♍31	24♌53	24♎51	16♉11	5♍45	7♍ 0	18♍44	22♓40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 3	14s35	1n56	24s42	2s 2	20s40	1n20	7n16	0n31	9s35	1n15	7n32	2n 1	13n37	0n46	7s58	1n44	2n30	14s51	8n56	8n22	6n20	0s 2	3n39
F 2	22 58	11 6	0 42	24 32	2 4	20 53	1 17	7 29	0 32	9 38	1 15	7 33	2 1	13 37	0 46	7 58	1 44	2 30	14 51	8 57	8 23	6 18	0 2	3 38
S 3	22 53	6 59	0s36	24 21	2 5	21 5	1 15	7 43	0 33	9 40	1 15	7 33	2 1	13 38	0 46	7 59	1 44	2 30	14 50	8 57	8 24	6 16	0 1	3 38
S 4	22 46	2 31	1 50	24 8	2 6	21 17	1 12	7 56	0 35	9 42	1 15	7 34	2 1	13 39	0 46	7 59	1 44	2 30	14 50	8 57	8 26	6 14	0 1	3 38
M 5	22 40	2n 3	2 57	23 53	2 7	21 28	1 10	8 9	0 36	9 45	1 16	7 34	2 2	13 39	0 46	7 59	1 44	2 30	14 50	8 57	8 27	6 13	0 0	3 38
T 6	22 33	6 26	3 52	23 37	2 7	21 39	1 7	8 23	0 37	9 47	1 16	7 35	2 2	13 40	0 46	7 59	1 44	2 30	14 50	8 57	8 28	6 11	0n 0	3 37
W 7	22 26	10 25	4 34	23 19	2 6	21 48	1 5	8 36	0 38	9 49	1 16	7 36	2 2	13 40	0 46	7 59	1 44	2 31	14 49	8 58	8 29	6 9	0 1	3 37
T 8	22 18	13 47	4 59	22 59	2 6	21 58	1 2	8 49	0 39	9 51	1 16	7 37	2 2	13 41	0 46	8 0	1 44	2 31	14 49	8 59	8 30	6 7	0 1	3 37
F 9	22 10	16 24	5 8	22 38	2 4	22 6	1 0	9 2	0 40	9 53	1 16	7 37	2 3	13 42	0 46	8 0	1 44	2 31	14 49	9 2	8 32	6 6	0 2	3 37
S 10	22 1	18 6	5 0	22 16	2 2	22 14	0 57	9 16	0 41	9 55	1 17	7 38	2 3	13 42	0 46	8 0	1 44	2 31	14 48	9 5	8 33	6 4	0 3	3 36
S 11	21 52	18 51	4 37	21 51	2 0	22 21	0 54	9 29	0 42	9 57	1 17	7 39	2 3	13 43	0 46	8 0	1 45	2 31	14 48	9 8	8 34	6 2	0 3	3 36
M12	21 42	18 37	4 0	21 25	1 57	22 28	0 52	9 42	0 43	9 59	1 17	7 40	2 3	13 44	0 46	8 0	1 45	2 31	14 48	9 11	8 35	6 0	0 4	3 36
T 13	21 32	17 28	3 12	20 58	1 54	22 34	0 49	9 55	0 44	10 1	1 17	7 41	2 4	13 45	0 46	8 0	1 45	2 32	14 47	9 14	8 36	5 58	0 5	3 36
W14	21 22	15 31	2 16	20 29	1 49	22 39	0 46	10 8	0 45	10 3	1 17	7 42	2 4	13 45	0 46	8 0	1 45	2 32	14 47	9 16	8 38	5 57	0 5	3 35
T 15	21 11	12 54	1 14	19 58	1 44	22 44	0 44	10 22	0 46	10 5	1 18	7 43	2 4	13 46	0 46	8 0	1 45	2 32	14 47	9 17	8 39	5 55	0 6	3 35
F 16	21 0	9 47	0 10	19 27	1 39	22 48	0 41	10 35	0 47	10 6	1 18	7 44	2 4	13 47	0 46	8 1	1 45	2 32	14 46	9 17	8 40	5 53	0 7	3 35
S 17	20 48	6 18	0n55	18 53	1 33	22 51	0 38	10 48	0 48	10 8	1 18	7 45	2 5	13 48	0 46	8 1	1 45	2 33	14 46	9 17	8 41	5 51	0 7	3 35
S 18	20 36	2 36	1 56	18 19	1 25	22 53	0 35	11 1	0 49	10 10	1 18	7 47	2 5	13 48	0 46	8 1	1 45	2 33	14 46	9 17	8 42	5 49	0 8	3 35
M19	20 24	1s13	2 54	17 44	1 18	22 55	0 33	11 14	0 49	10 11	1 19	7 48	2 5	13 49	0 46	8 1	1 45	2 33	14 46	9 16	8 43	5 48	0 9	3 34
T 20	20 11	5 1	3 44	17 8	1 9	22 56	0 30	11 27	0 50	10 13	1 19	7 49	2 5	13 50	0 46	8 1	1 45	2 33	14 45	9 15	8 45	5 46	0 10	3 34
W21	19 58	8 39	4 25	16 31	0 59	22 57	0 27	11 40	0 51	10 14	1 19	7 50	2 6	13 51	0 46	8 1	1 45	2 34	14 45	9 15	8 46	5 44	0 10	3 34
T 22	19 44	12 0	4 54	15 53	0 49	22 57	0 24	11 53	0 52	10 15	1 19	7 51	2 6	13 51	0 46	8 1	1 45	2 34	14 45	9 16	8 47	5 42	0 11	3 34
F 23	19 30	14 54	5 11	15 16	0 38	22 56	0 22	12 6	0 53	10 16	1 19	7 53	2 6	13 52	0 46	8 1	1 45	2 34	14 44	9 17	8 48	5 40	0 12	3 33
S 24	19 16	17 8	5 11	14 38	0 26	22 54	0 19	12 19	0 53	10 18	1 20	7 54	2 6	13 53	0 46	8 1	1 45	2 34	14 44	9 18	8 49	5 39	0 13	3 33
S 25	19 2	18 30	4 55	14 1	0 13	22 52	0 16	12 32	0 54	10 19	1 20	7 56	2 7	13 54	0 46	8 1	1 45	2 35	14 44	9 20	8 51	5 37	0 14	3 33
M26	18 47	18 48	4 21	13 24	0n 1	22 49	0 13	12 44	0 55	10 20	1 20	7 57	2 7	13 55	0 46	8 1	1 45	2 35	14 43	9 22	8 52	5 35	0 15	3 33
T 27	18 31	17 54	3 29	12 49	0 16	22 45	0 10	12 57	0 56	10 21	1 20	7 58	2 7	13 56	0 46	8 0	1 46	2 35	14 43	9 23	8 53	5 33	0 16	3 33
W28	18 16	15 48	2 23	12 15	0 31	22 41	0 8	13 10	0 56	10 22	1 20	8 0	2 7	13 56	0 46	8 0	1 46	2 36	14 43	9 25	8 54	5 31	0 17	3 32
T 29	18 0	12 37	1 6	11 42	0 47	22 36	0 5	13 22	0 57	10 23	1 21	8 1	2 7	13 57	0 46	8 0	1 46	2 36	14 42	9 25	8 55	5 30	0 18	3 32
F 30	17 43	8 37	0s16	11 13	1 3	22 30	0 2	13 35	0 58	10 24	1 21	8 3	2 8	13 58	0 46	8 0	1 46	2 36	14 42	9 25	8 56	5 28	0 19	3 32
S 31	17s27	4s 5	1s36	10s46	1n20	22s23	0s 1	13n47	0n58	10s24	1n21	8n 4	2n 8	13n59	0n46	8s 0	1n46	2n36	14s42	9n25	8n58	5n26	0n20	3n32

Julian Day Number = 2314944.5, Delta T = 61.25 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'13, Lahiri = 18°38'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

FEBRUARY 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 44 23	12♒13'05	8♈ 2	28♒55	18♉25	4♉35	0♏33	14°R27	24°R50	24°R51	16♉11	5♍47	6♍56	18♍50	22♓43	S 1
M 2	8 48 20	13°13'52	22°24	29° 7	19°40	5°10	0°35	14♍23	24♌48	24♎51	16°11	5°48	6°53	18°57	22°46	M 2
T 3	8 52 16	14°14'38	6♉27	29°R 9	20°54	5°45	0°38	14°20	24°45	24°50	16°11	5°49	6°50	19° 4	22°49	T 3
W 4	8 56 13	15°15'23	20°11	28°59	22° 9	6°20	0°40	14°16	24°43	24°50	16°11	5°R49	6°47	19°10	22°52	W 4
T 5	9 0 10	16°16'06	3♊35	28°39	23°24	6°56	0°42	14°12	24°40	24°50	16°11	5°48	6°44	19°17	22°55	T 5
F 6	9 4 6	17°16'47	16°42	28° 9	24°38	7°31	0°43	14° 8	24°37	24°49	16°11	5°46	6°41	19°24	22°58	F 6
S 7	9 8 3	18°17'27	29°34	27°29	25°53	8° 6	0°45	14° 4	24°35	24°49	16°11	5°44	6°37	19°30	23° 1	S 7
S 8	9 11 59	19°18'05	12♋11	26°41	27° 8	8°42	0°46	14° 0	24°32	24°49	16°12	5°41	6°34	19°37	23° 5	S 8
M 9	9 15 56	20°18'41	24°36	25°45	28°22	9°17	0°47	13°56	24°30	24°48	16°12	5°39	6°31	19°43	23° 8	M 9
T 10	9 19 52	21°19'16	6♌50	24°43	29°37	9°53	0°48	13°52	24°27	24°48	16°12	5°37	6°28	19°50	23°11	T 10
W11	9 23 49	22°19'49	18°55	23°38	0♒52	10°28	0°49	13°47	24°24	24°47	16°12	5°36	6°25	19°57	23°14	W11
T 12	9 27 45	23°20'20	0♍52	22°30	2° 6	11° 4	0°49	13°43	24°22	24°47	16°13	5°D35	6°22	20° 3	23°18	T 12
F 13	9 31 42	24°20'50	12°44	21°22	3°21	11°39	0°50	13°39	24°19	24°46	16°13	5°35	6°18	20°10	23°21	F 13
S 14	9 35 39	25°21'19	24°33	20°15	4°35	12°15	0°R50	13°34	24°16	24°45	16°13	5°36	6°15	20°17	23°24	S 14
S 15	9 39 35	26°21'46	6♎20	19°11	5°50	12°51	0°50	13°30	24°14	24°45	16°14	5°37	6°12	20°23	23°28	S 15
M16	9 43 32	27°22'11	18°10	18°11	7° 5	13°27	0°50	13°26	24°11	24°44	16°14	5°38	6° 9	20°30	23°31	M16
T 17	9 47 28	28°22'35	0♏ 6	17°16	8°19	14° 3	0°49	13°21	24° 9	24°43	16°14	5°38	6° 6	20°37	23°34	T 17
W18	9 51 25	29°22'58	12°13	16°28	9°34	14°38	0°49	13°17	24° 6	24°43	16°15	5°39	6° 2	20°43	23°38	W18
T 19	9 55 21	0♓23'19	24°33	15°46	10°49	15°14	0°48	13°12	24° 3	24°42	16°15	5°39	5°59	20°50	23°41	T 19
F 20	9 59 18	1°23'39	7♐12	15°11	12° 3	15°50	0°47	13° 7	24° 1	24°41	16°16	5°R39	5°56	20°57	23°45	F 20
S 21	10 3 14	2°23'58	20°14	14°44	13°18	16°26	0°46	13° 3	23°58	24°40	16°16	5°39	5°53	21° 3	23°48	S 21
S 22	10 7 11	3°24'15	3♑42	14°24	14°32	17° 2	0°44	12°58	23°56	24°39	16°17	5°39	5°50	21°10	23°52	S 22
M23	10 11 7	4°24'30	17°37	14°11	15°47	17°39	0°43	12°53	23°53	24°39	16°17	5°39	5°47	21°17	23°55	M23
T 24	10 15 4	5°24'44	1♒58	14°D 5	17° 2	18°15	0°41	12°49	23°50	24°38	16°18	5°D39	5°43	21°23	23°59	T 24
W25	10 19 1	6°24'57	16°42	14° 5	18°16	18°51	0°39	12°44	23°48	24°37	16°18	5°39	5°40	21°30	24° 2	W25
T 26	10 22 57	7°25'07	1♓44	14°12	19°31	19°27	0°37	12°39	23°45	24°36	16°19	5°R39	5°37	21°37	24° 6	T 26
F 27	10 26 54	8°25'16	16°55	14°25	20°45	20° 3	0°35	12°34	23°43	24°35	16°19	5°39	5°34	21°43	24°10	F 27
S 28	10 30 50	9♓25'22	2♈ 4	14♒43	22♒ 0	20♉40	0♏32	12♍30	23♌40	24♎34	16♉20	5♍38	5♍31	21♍50	24♓13	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s10	0n37	2s49	10s22	1n37	22s16	0s 3	14n 0	0n59	10s25	1n21	8n 6	2n 8	14n 0	0n47	8s 0	1n46	2n37	14s41	9n25	8n59	5n24	0n21	3n32
M 2	16 53	5 11	3 50	10 2	1 54	22 8	0 6	14 12	1 0	10 26	1 22	8 8	2 8	14 1	0 47	8 0	1 46	2 37	14 41	9 24	9 0	5 22	0 22	3 31
T 3	16 35	9 21	4 35	9 46	2 10	22 0	0 9	14 25	1 0	10 26	1 22	8 9	2 8	14 2	0 47	8 0	1 46	2 37	14 41	9 24	9 1	5 21	0 23	3 31
W 4	16 18	12 56	5 4	9 34	2 26	21 51	0 11	14 37	1 1	10 27	1 22	8 11	2 9	14 3	0 47	8 0	1 46	2 38	14 40	9 24	9 2	5 19	0 24	3 31
T 5	15 59	15 45	5 16	9 26	2 42	21 41	0 14	14 49	1 1	10 27	1 22	8 13	2 9	14 3	0 47	7 59	1 46	2 38	14 40	9 24	9 4	5 17	0 25	3 31
F 6	15 41	17 40	5 10	9 23	2 56	21 30	0 16	15 1	1 2	10 27	1 22	8 14	2 9	14 4	0 47	7 59	1 46	2 39	14 40	9 25	9 5	5 15	0 26	3 31
S 7	15 23	18 40	4 49	9 25	3 9	21 19	0 19	15 13	1 3	10 28	1 23	8 16	2 9	14 5	0 47	7 59	1 46	2 39	14 39	9 26	9 6	5 13	0 27	3 31
S 8	15 4	18 42	4 14	9 30	3 20	21 8	0 22	15 25	1 3	10 28	1 23	8 18	2 9	14 6	0 47	7 59	1 46	2 39	14 39	9 27	9 7	5 11	0 28	3 30
M 9	14 45	17 50	3 28	9 40	3 29	20 55	0 24	15 37	1 4	10 28	1 23	8 19	2 10	14 7	0 47	7 59	1 46	2 40	14 39	9 27	9 8	5 10	0 29	3 30
T 10	14 25	16 8	2 33	9 54	3 37	20 42	0 27	15 49	1 4	10 28	1 23	8 21	2 10	14 8	0 47	7 58	1 46	2 40	14 38	9 28	9 9	5 8	0 30	3 30
W11	14 6	13 44	1 31	10 11	3 42	20 29	0 29	16 1	1 5	10 28	1 24	8 23	2 10	14 9	0 47	7 58	1 46	2 40	14 38	9 29	9 11	5 6	0 31	3 30
T 12	13 46	10 47	0 26	10 30	3 44	20 14	0 32	16 12	1 5	10 28	1 24	8 25	2 10	14 10	0 47	7 58	1 46	2 41	14 38	9 29	9 12	5 4	0 33	3 30
F 13	13 26	7 24	0n40	10 52	3 44	20 0	0 34	16 24	1 6	10 28	1 24	8 27	2 10	14 10	0 47	7 58	1 47	2 41	14 37	9 29	9 13	5 2	0 34	3 30
S 14	13 6	3 45	1 43	11 15	3 42	19 44	0 36	16 36	1 6	10 28	1 24	8 29	2 10	14 11	0 47	7 57	1 47	2 42	14 37	9 29	9 14	5 0	0 35	3 29
S 15	12 45	0s 2	2 43	11 39	3 38	19 28	0 39	16 47	1 7	10 28	1 25	8 30	2 11	14 12	0 47	7 57	1 47	2 42	14 37	9 28	9 15	4 59	0 36	3 29
M16	12 25	3 49	3 35	12 3	3 32	19 12	0 41	16 58	1 7	10 28	1 25	8 32	2 11	14 13	0 47	7 57	1 47	2 42	14 36	9 28	9 16	4 57	0 37	3 29
T 17	12 4	7 29	4 19	12 26	3 24	18 55	0 43	17 9	1 8	10 27	1 25	8 34	2 11	14 14	0 47	7 56	1 47	2 43	14 36	9 28	9 18	4 55	0 39	3 29
W18	11 43	10 54	4 52	12 50	3 15	18 37	0 45	17 21	1 8	10 27	1 25	8 36	2 11	14 15	0 47	7 56	1 47	2 43	14 36	9 27	9 19	4 53	0 40	3 29
T 19	11 21	13 54	5 12	13 12	3 5	18 19	0 47	17 32	1 8	10 26	1 25	8 38	2 11	14 16	0 47	7 56	1 47	2 44	14 35	9 27	9 20	4 51	0 41	3 29
F 20	11 0	16 20	5 18	13 33	2 53	18 0	0 50	17 43	1 9	10 26	1 26	8 40	2 11	14 17	0 47	7 55	1 47	2 44	14 35	9 27	9 21	4 49	0 42	3 29
S 21	10 38	18 0	5 8	13 53	2 41	17 41	0 52	17 53	1 9	10 25	1 26	8 42	2 11	14 17	0 47	7 55	1 47	2 44	14 35	9 27	9 22	4 48	0 43	3 28
S 22	10 17	18 45	4 41	14 11	2 28	17 21	0 54	18 4	1 10	10 25	1 26	8 43	2 11	14 18	0 47	7 55	1 47	2 45	14 34	9 27	9 23	4 46	0 45	3 28
M23	9 55	18 25	3 57	14 27	2 15	17 1	0 56	18 15	1 10	10 24	1 26	8 45	2 12	14 19	0 47	7 54	1 47	2 45	14 34	9 28	9 25	4 44	0 46	3 28
T 24	9 33	16 53	2 57	14 42	2 1	16 40	0 57	18 25	1 10	10 23	1 26	8 47	2 12	14 20	0 47	7 54	1 47	2 46	14 34	9 28	9 26	4 42	0 47	3 28
W25	9 10	14 13	1 43	14 55	1 48	16 19	0 59	18 36	1 11	10 22	1 27	8 49	2 12	14 21	0 47	7 53	1 47	2 46	14 33	9 28	9 27	4 40	0 49	3 28
T 26	8 48	10 32	0 22	15 6	1 34	15 58	1 1	18 46	1 11	10 21	1 27	8 51	2 12	14 22	0 47	7 53	1 47	2 47	14 33	9 28	9 28	4 38	0 50	3 28
F 27	8 26	6 8	1s 2	15 15	1 21	15 36	1 3	18 56	1 11	10 20	1 27	8 53	2 12	14 22	0 47	7 53	1 47	2 47	14 33	9 28	9 29	4 37	0 51	3 28
S 28	8s 3	1s21	2s22	15s22	1n 7	15s13	1s 5	19n 6	1n12	10s19	1n27	8n55	2n12	14n23	0n47	7s52	1n47	2n48	14s33	9n28	9n31	4n35	0n53	3n28

Julian Day Number = 2314975.5, Delta T = 61.17 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'18, Lahiri = 18°38'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

MARCH 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 34 47	10♓25'27	17♈ 4	15♒ 7	23♒15	21♉16	0°R30	12°R25	23°R38	24°R33	16♉20	5°R38	5♍27	21♍56	24♓17	S 1
M 2	10 38 43	11°25'30	1♉46	15°36	24°29	21°52	0♏27	12♍20	23♌35	24♎32	16°21	5♍37	5°24	22° 3	24°20	M 2
T 3	10 42 40	12°25'30	16° 5	16° 9	25°44	22°29	0°24	12°15	23°33	24°30	16°22	5°37	5°21	22°10	24°24	T 3
W 4	10 46 36	13°25'29	29°59	16°47	26°58	23° 5	0°21	12°11	23°30	24°29	16°22	5°36	5°18	22°16	24°28	W 4
T 5	10 50 33	14°25'25	13♊27	17°29	28°13	23°41	0°17	12° 6	23°28	24°28	16°23	5°D36	5°15	22°23	24°31	T 5
F 6	10 54 30	15°25'19	26°31	18°14	29°27	24°18	0°14	12° 1	23°26	24°27	16°24	5°36	5°12	22°30	24°35	F 6
S 7	10 58 26	16°25'10	9♋14	19° 3	0♓42	24°54	0°10	11°56	23°23	24°26	16°25	5°37	5° 8	22°36	24°39	S 7
S 8	11 2 23	17°25'00	21°40	19°55	1°56	25°31	0° 6	11°52	23°21	24°25	16°25	5°38	5° 5	22°43	24°42	S 8
M 9	11 6 19	18°24'47	3♌52	20°51	3°11	26° 7	0° 2	11°47	23°19	24°23	16°26	5°39	5° 2	22°50	24°46	M 9
T 10	11 10 16	19°24'32	15°54	21°49	4°25	26°44	29♎58	11°42	23°16	24°22	16°27	5°40	4°59	22°56	24°50	T 10
W11	11 14 12	20°24'15	27°49	22°50	5°40	27°21	29°54	11°37	23°14	24°21	16°28	5°41	4°56	23° 3	24°53	W11
T 12	11 18 9	21°23'55	9♍39	23°53	6°54	27°57	29°49	11°33	23°12	24°20	16°29	5°R41	4°53	23°10	24°57	T 12
F 13	11 22 5	22°23'34	21°27	24°59	8° 9	28°34	29°44	11°28	23°10	24°18	16°29	5°40	4°49	23°16	25° 1	F 13
S 14	11 26 2	23°23'11	3♎15	26° 7	9°23	29°10	29°40	11°23	23° 7	24°17	16°30	5°39	4°46	23°23	25° 4	S 14
S 15	11 29 59	24°22'45	15° 6	27°18	10°38	29°47	29°35	11°19	23° 5	24°16	16°31	5°36	4°43	23°30	25° 8	S 15
M16	11 33 55	25°22'18	27° 1	28°30	11°52	0♊24	29°29	11°14	23° 3	24°14	16°32	5°33	4°40	23°36	25°12	M16
T 17	11 37 52	26°21'49	9♏ 3	29°44	13° 7	1° 0	29°24	11°10	23° 1	24°13	16°33	5°30	4°37	23°43	25°15	T 17
W18	11 41 48	27°21'18	21°15	1♓ 1	14°21	1°37	29°19	11° 5	22°59	24°11	16°34	5°26	4°33	23°50	25°19	W18
T 19	11 45 45	28°20'45	3♐38	2°19	15°36	2°14	29°13	11° 1	22°57	24°10	16°35	5°24	4°30	23°56	25°23	T 19
F 20	11 49 41	29°20'10	16°17	3°39	16°50	2°51	29° 8	10°56	22°55	24° 9	16°36	5°22	4°27	24° 3	25°27	F 20
S 21	11 53 38	0♈19'34	29°14	5° 0	18° 4	3°27	29° 2	10°52	22°53	24° 7	16°37	5°D21	4°24	24°10	25°30	S 21
S 22	11 57 34	1°18'55	12♑33	6°24	19°19	4° 4	28°56	10°48	22°51	24° 6	16°38	5°22	4°21	24°16	25°34	S 22
M23	12 1 31	2°18'16	26°16	7°49	20°33	4°41	28°50	10°43	22°49	24° 4	16°39	5°23	4°18	24°23	25°38	M23
T 24	12 5 27	3°17'34	10♒25	9°15	21°48	5°18	28°43	10°39	22°48	24° 3	16°40	5°24	4°14	24°29	25°41	T 24
W25	12 9 24	4°16'50	24°57	10°43	23° 2	5°54	28°37	10°35	22°46	24° 1	16°41	5°26	4°11	24°36	25°45	W25
T 26	12 13 21	5°16'05	9♓50	12°13	24°16	6°31	28°31	10°31	22°44	24° 0	16°42	5°R26	4° 8	24°43	25°49	T 26
F 27	12 17 17	6°15'17	24°58	13°44	25°31	7° 8	28°24	10°27	22°42	23°58	16°43	5°25	4° 5	24°49	25°52	F 27
S 28	12 21 14	7°14'28	10♈11	15°17	26°45	7°45	28°18	10°23	22°41	23°57	16°44	5°22	4° 2	24°56	25°56	S 28
S 29	12 25 10	8°13'36	25°19	16°51	27°59	8°22	28°11	10°19	22°39	23°55	16°45	5°18	3°59	25° 3	26° 0	S 29
M30	12 29 7	9°12'43	10♉14	18°26	29°14	8°59	28° 4	10°15	22°38	23°53	16°46	5°13	3°55	25° 9	26° 3	M30
T 31	12 33 3	10♈11'47	24♉46	20♓ 4	0♈28	9♊36	27♎57	10♍11	22♌36	23♎52	16♉47	5♍ 8	3♍52	25♍16	26♓ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s40	3n28	3s31	15s28	0n54	14s50	1s 6	19n16	1n12	10s18	1n27	8n57	2n12	14n24	0n47	7s52	1n47	2n48	14s32	9n28	9n32	4n33	0n54	3n27
M 2	7 18	7 59	4 24	15 32	0 42	14 27	1 8	19 26	1 12	10 17	1 28	8 59	2 12	14 25	0 47	7 51	1 47	2 49	14 32	9 28	9 33	4 31	0 55	3 27
T 3	6 55	11 54	5 0	15 34	0 29	14 3	1 9	19 36	1 13	10 16	1 28	9 1	2 12	14 26	0 47	7 51	1 47	2 49	14 32	9 28	9 34	4 29	0 57	3 27
W 4	6 32	15 2	5 16	15 34	0 17	13 39	1 11	19 45	1 13	10 14	1 28	9 3	2 12	14 27	0 47	7 50	1 48	2 49	14 31	9 28	9 35	4 27	0 58	3 27
T 5	6 9	17 15	5 15	15 32	0 5	13 15	1 12	19 55	1 13	10 13	1 28	9 4	2 12	14 27	0 47	7 50	1 48	2 50	14 31	9 29	9 36	4 25	0 59	3 27
F 6	5 45	18 29	4 57	15 29	0s 6	12 50	1 14	20 4	1 14	10 12	1 28	9 6	2 12	14 28	0 47	7 50	1 48	2 50	14 31	9 28	9 38	4 24	1 1	3 27
S 7	5 22	18 46	4 25	15 24	0 17	12 25	1 15	20 14	1 14	10 10	1 29	9 8	2 12	14 29	0 47	7 49	1 48	2 51	14 30	9 28	9 39	4 22	1 2	3 27
S 8	4 59	18 6	3 41	15 18	0 27	11 59	1 16	20 23	1 14	10 9	1 29	9 10	2 12	14 30	0 46	7 49	1 48	2 51	14 30	9 28	9 40	4 20	1 3	3 27
M 9	4 35	16 36	2 48	15 10	0 37	11 34	1 17	20 32	1 14	10 7	1 29	9 12	2 12	14 30	0 46	7 48	1 48	2 52	14 30	9 27	9 41	4 18	1 5	3 27
T 10	4 12	14 23	1 48	15 0	0 47	11 7	1 18	20 41	1 15	10 6	1 29	9 14	2 13	14 31	0 46	7 48	1 48	2 52	14 30	9 27	9 42	4 16	1 6	3 27
W11	3 49	11 35	0 44	14 49	0 56	10 41	1 20	20 49	1 15	10 4	1 29	9 16	2 13	14 32	0 46	7 47	1 48	2 53	14 29	9 27	9 43	4 14	1 8	3 27
T 12	3 25	8 18	0n22	14 36	1 5	10 14	1 21	20 58	1 15	10 2	1 29	9 17	2 13	14 33	0 46	7 47	1 48	2 53	14 29	9 27	9 44	4 12	1 9	3 26
F 13	3 1	4 43	1 26	14 22	1 13	9 47	1 21	21 6	1 15	10 0	1 30	9 19	2 13	14 33	0 46	7 46	1 48	2 54	14 29	9 27	9 46	4 10	1 10	3 26
S 14	2 38	0 57	2 27	14 7	1 21	9 20	1 22	21 15	1 16	9 58	1 30	9 21	2 13	14 34	0 46	7 46	1 48	2 54	14 29	9 28	9 47	4 9	1 12	3 26
S 15	2 14	2s52	3 21	13 49	1 29	8 53	1 23	21 23	1 16	9 57	1 30	9 23	2 13	14 35	0 46	7 45	1 48	2 55	14 28	9 28	9 48	4 7	1 13	3 26
M16	1 51	6 35	4 7	13 31	1 36	8 25	1 24	21 31	1 16	9 55	1 30	9 24	2 13	14 35	0 46	7 45	1 48	2 55	14 28	9 30	9 49	4 5	1 15	3 26
T 17	1 27	10 5	4 42	13 11	1 42	7 57	1 25	21 39	1 16	9 53	1 30	9 26	2 13	14 36	0 46	7 44	1 48	2 56	14 28	9 31	9 50	4 3	1 16	3 26
W18	1 3	13 11	5 5	12 49	1 48	7 29	1 25	21 46	1 17	9 51	1 30	9 28	2 13	14 37	0 46	7 43	1 48	2 56	14 28	9 32	9 51	4 1	1 17	3 26
T 19	0 40	15 46	5 15	12 26	1 54	7 0	1 26	21 54	1 17	9 48	1 30	9 30	2 13	14 37	0 46	7 43	1 48	2 57	14 27	9 33	9 53	3 59	1 19	3 26
F 20	0 16	17 39	5 9	12 2	1 59	6 32	1 26	22 2	1 17	9 46	1 31	9 31	2 13	14 38	0 46	7 42	1 48	2 57	14 27	9 34	9 54	3 57	1 20	3 26
S 21	0n 8	18 41	4 48	11 37	2 4	6 3	1 27	22 9	1 17	9 44	1 31	9 33	2 13	14 39	0 46	7 42	1 48	2 58	14 27	9 34	9 55	3 55	1 22	3 26
S 22	0 31	18 43	4 11	11 10	2 8	5 34	1 27	22 16	1 17	9 42	1 31	9 35	2 13	14 39	0 46	7 41	1 48	2 58	14 27	9 34	9 56	3 54	1 23	3 26
M23	0 55	17 41	3 19	10 41	2 12	5 5	1 27	22 23	1 17	9 40	1 31	9 36	2 13	14 40	0 46	7 41	1 48	2 59	14 26	9 33	9 57	3 52	1 24	3 26
T 24	1 19	15 32	2 13	10 12	2 15	4 36	1 27	22 30	1 18	9 37	1 31	9 38	2 12	14 40	0 46	7 40	1 48	2 59	14 26	9 33	9 58	3 50	1 26	3 26
W25	1 42	12 20	0 57	9 41	2 18	4 7	1 28	22 37	1 18	9 35	1 31	9 39	2 12	14 41	0 46	7 39	1 48	3 0	14 26	9 32	10 0	3 48	1 27	3 26
T 26	2 6	8 16	0s24	9 9	2 20	3 37	1 28	22 43	1 18	9 33	1 31	9 41	2 12	14 41	0 46	7 39	1 48	3 0	14 26	9 32	10 1	3 46	1 29	3 26
F 27	2 29	3 37	1 45	8 36	2 22	3 8	1 28	22 50	1 18	9 30	1 31	9 42	2 12	14 42	0 46	7 38	1 48	3 1	14 25	9 33	10 2	3 44	1 30	3 26
S 28	2 53	1n18	2 59	8 1	2 24	2 38	1 28	22 56	1 18	9 28	1 31	9 44	2 12	14 42	0 46	7 38	1 48	3 1	14 25	9 34	10 3	3 42	1 32	3 26
S 29	3 16	6 5	4 0	7 25	2 25	2 8	1 28	23 2	1 18	9 25	1 31	9 45	2 12	14 43	0 46	7 37	1 48	3 2	14 25	9 35	10 4	3 40	1 33	3 26
M30	3 39	10 26	4 43	6 48	2 25	1 39	1 27	23 8	1 19	9 23	1 32	9 47	2 12	14 43	0 46	7 37	1 48	3 2	14 25	9 37	10 5	3 39	1 34	3 26
T 31	4n 3	14n 2	5s 7	6s10	2s25	1s 9	1s27	23n14	1n19	9s20	1n32	9n48	2n12	14n44	0n46	7s36	1n48	3n 3	14s25	9n39	10n 7	3n37	1n36	3n26

Julian Day Number = 2315003.5, Delta T = 61.11 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'21, Lahiri = 18°38'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

APRIL 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 37 0	11♈10'49	8♊52	21♓42	1♈42	10♊13	27°R50	10°R 7	22°R35	23°R50	16♉48	5°R 3	3♍49	25♍23	26♓10	W 1
T 2	12 40 56	12° 9'49	22°29	23°22	2°57	10°49	27♎43	10♍ 4	22♌33	23♎49	16°50	5♍ 0	3°46	25°29	26°14	T 2
F 3	12 44 53	13° 8'46	5♋38	25° 4	4°11	11°26	27°36	10° 0	22°32	23°47	16°51	4°58	3°43	25°36	26°18	F 3
S 4	12 48 50	14° 7'41	18°22	26°47	5°25	12° 3	27°29	9°56	22°30	23°45	16°52	4°D58	3°39	25°43	26°21	S 4
S 5	12 52 46	15° 6'34	0♌45	28°31	6°39	12°40	27°21	9°53	22°29	23°44	16°53	4°59	3°36	25°49	26°25	S 5
M 6	12 56 43	16° 5'24	12°52	0♈17	7°54	13°17	27°14	9°50	22°28	23°42	16°54	5° 1	3°33	25°56	26°28	M 6
T 7	13 0 39	17° 4'12	24°49	2° 5	9° 8	13°54	27° 6	9°46	22°27	23°41	16°55	5° 2	3°30	26° 3	26°32	T 7
W 8	13 4 36	18° 2'58	6♍38	3°54	10°22	14°31	26°59	9°43	22°26	23°39	16°57	5°R 3	3°27	26° 9	26°35	W 8
T 9	13 8 32	19° 1'42	18°25	5°44	11°36	15° 8	26°52	9°40	22°24	23°37	16°58	5° 2	3°24	26°16	26°39	T 9
F 10	13 12 29	20° 0'24	0♎13	7°37	12°50	15°45	26°44	9°37	22°23	23°36	16°59	4°58	3°20	26°23	26°42	F 10
S 11	13 16 25	20°59'03	12° 4	9°30	14° 5	16°22	26°36	9°34	22°22	23°34	17° 0	4°53	3°17	26°29	26°46	S 11
S 12	13 20 22	21°57'41	24° 1	11°26	15°19	16°59	26°29	9°31	22°21	23°32	17° 1	4°46	3°14	26°36	26°49	S 12
M13	13 24 19	22°56'16	6♏ 5	13°22	16°33	17°36	26°21	9°28	22°21	23°31	17° 3	4°38	3°11	26°43	26°52	M13
T 14	13 28 15	23°54'50	18°18	15°21	17°47	18°13	26°14	9°25	22°20	23°29	17° 4	4°28	3° 8	26°49	26°56	T 14
W15	13 32 12	24°53'22	0♐41	17°20	19° 1	18°50	26° 6	9°23	22°19	23°28	17° 5	4°19	3° 4	26°56	26°59	W15
T 16	13 36 8	25°51'52	13°15	19°22	20°15	19°27	25°58	9°20	22°18	23°26	17° 7	4°11	3° 1	27° 3	27° 3	T 16
F 17	13 40 5	26°50'20	26° 1	21°24	21°29	20° 4	25°51	9°18	22°17	23°24	17° 8	4° 5	2°58	27° 9	27° 6	F 17
S 18	13 44 1	27°48'47	9♑ 2	23°28	22°43	20°41	25°43	9°15	22°17	23°23	17° 9	4° 1	2°55	27°16	27° 9	S 18
S 19	13 47 58	28°47'12	22°19	25°33	23°57	21°18	25°35	9°13	22°16	23°21	17°10	4° 0	2°52	27°22	27°12	S 19
M20	13 51 54	29°45'36	5♒55	27°40	25°12	21°55	25°28	9°11	22°16	23°19	17°12	4°D 0	2°49	27°29	27°16	M20
T 21	13 55 51	0♑43'58	19°51	29°47	26°26	22°32	25°20	9° 9	22°15	23°18	17°13	4° 0	2°45	27°36	27°19	T 21
W22	13 59 48	1°42'19	4♓ 8	1♉55	27°40	23° 9	25°12	9° 7	22°15	23°16	17°14	4°R 1	2°42	27°42	27°22	W22
T 23	14 3 44	2°40'37	18°43	4° 4	28°54	23°46	25° 5	9° 5	22°14	23°14	17°16	4° 0	2°39	27°49	27°25	T 23
F 24	14 7 41	3°38'55	3♈34	6°13	0♉ 8	24°24	24°57	9° 3	22°14	23°13	17°17	3°57	2°36	27°56	27°28	F 24
S 25	14 11 37	4°37'10	18°33	8°22	1°22	25° 1	24°50	9° 2	22°14	23°11	17°18	3°52	2°33	28° 2	27°31	S 25
S 26	14 15 34	5°35'24	3♉33	10°31	2°36	25°38	24°42	9° 0	22°13	23°10	17°20	3°44	2°30	28° 9	27°35	S 26
M27	14 19 30	6°33'37	18°24	12°40	3°50	26°15	24°35	8°58	22°13	23° 8	17°21	3°34	2°26	28°16	27°38	M27
T 28	14 23 27	7°31'47	2♊58	14°48	5° 4	26°52	24°27	8°57	22°13	23° 6	17°22	3°25	2°23	28°22	27°41	T 28
W29	14 27 23	8°29'56	17° 7	16°55	6°18	27°29	24°20	8°56	22°13	23° 5	17°24	3°15	2°20	28°29	27°44	W29
T 30	14 31 20	9♉28'03	0♋49	19♉ 1	7♉32	28♊ 6	24♎13	8♍55	22°D13	23♎ 3	17♉25	3♍ 8	2♍17	28♍36	27♓47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n26	16n42	5s11	5s30	2s24	0s39	1s27	23n19	1n19	9s18	1n32	9n49	2n12	14n44	0n46	7s35	1n48	3n 3	14s24	9n41	10n 8	3n35	1n37	3n26
T 2	4 49	18 19	4 58	4 50	2 23	0 9	1 27	23 25	1 19	9 15	1 32	9 51	2 12	14 45	0 46	7 35	1 48	3 4	14 24	9 42	10 9	3 33	1 39	3 26
F 3	5 12	18 53	4 29	4 8	2 22	0n21	1 26	23 30	1 19	9 13	1 32	9 52	2 12	14 45	0 46	7 34	1 48	3 4	14 24	9 42	10 10	3 31	1 40	3 26
S 4	5 35	18 28	3 47	3 25	2 20	0 51	1 26	23 35	1 19	9 10	1 32	9 53	2 12	14 46	0 46	7 34	1 48	3 5	14 24	9 42	10 11	3 29	1 41	3 26
S 5	5 58	17 10	2 56	2 41	2 17	1 21	1 25	23 40	1 19	9 7	1 32	9 55	2 12	14 46	0 46	7 33	1 48	3 5	14 24	9 42	10 12	3 27	1 43	3 26
M 6	6 20	15 6	1 58	1 56	2 14	1 51	1 24	23 45	1 19	9 5	1 32	9 56	2 12	14 46	0 46	7 32	1 48	3 6	14 23	9 42	10 13	3 25	1 44	3 26
T 7	6 43	12 24	0 55	1 10	2 11	2 21	1 24	23 50	1 19	9 2	1 32	9 57	2 12	14 47	0 46	7 32	1 49	3 6	14 23	9 41	10 15	3 23	1 46	3 26
W 8	7 6	9 14	0n 9	0 23	2 7	2 50	1 23	23 54	1 19	8 59	1 32	9 58	2 12	14 47	0 46	7 31	1 49	3 6	14 23	9 41	10 16	3 21	1 47	3 26
T 9	7 28	5 42	1 12	0n25	2 2	3 20	1 22	23 58	1 20	8 57	1 32	9 59	2 11	14 47	0 46	7 30	1 49	3 7	14 23	9 41	10 17	3 20	1 48	3 26
F 10	7 50	1 56	2 12	1 14	1 57	3 50	1 21	24 2	1 20	8 54	1 32	10 0	2 11	14 48	0 46	7 30	1 49	3 7	14 23	9 42	10 18	3 18	1 50	3 26
S 11	8 12	1s55	3 7	2 4	1 51	4 20	1 20	24 6	1 20	8 51	1 32	10 1	2 11	14 48	0 46	7 29	1 49	3 8	14 23	9 44	10 19	3 16	1 51	3 26
S 12	8 34	5 43	3 53	2 55	1 45	4 49	1 19	24 10	1 20	8 48	1 32	10 2	2 11	14 48	0 46	7 29	1 49	3 8	14 22	9 47	10 20	3 14	1 53	3 26
M13	8 56	9 19	4 30	3 46	1 39	5 19	1 18	24 14	1 20	8 46	1 32	10 3	2 11	14 49	0 46	7 28	1 49	3 9	14 22	9 50	10 22	3 12	1 54	3 26
T 14	9 18	12 35	4 55	4 39	1 32	5 48	1 17	24 17	1 20	8 43	1 32	10 4	2 11	14 49	0 46	7 27	1 49	3 9	14 22	9 53	10 23	3 10	1 55	3 26
W15	9 39	15 20	5 6	5 31	1 24	6 17	1 16	24 21	1 20	8 40	1 32	10 5	2 11	14 49	0 46	7 27	1 49	3 10	14 22	9 57	10 24	3 8	1 57	3 26
T 16	10 1	17 25	5 3	6 25	1 16	6 46	1 15	24 24	1 20	8 37	1 32	10 6	2 11	14 49	0 45	7 26	1 49	3 10	14 22	10 0	10 25	3 6	1 58	3 26
F 17	10 22	18 41	4 45	7 19	1 8	7 15	1 14	24 27	1 20	8 35	1 32	10 7	2 11	14 49	0 45	7 26	1 49	3 11	14 22	10 2	10 26	3 4	1 59	3 26
S 18	10 43	18 59	4 12	8 13	0 59	7 44	1 12	24 29	1 20	8 32	1 32	10 8	2 10	14 50	0 45	7 25	1 49	3 11	14 22	10 3	10 27	3 2	2 1	3 26
S 19	11 4	18 16	3 25	9 8	0 50	8 13	1 11	24 32	1 20	8 29	1 32	10 8	2 10	14 50	0 45	7 24	1 49	3 12	14 21	10 4	10 28	3 0	2 2	3 26
M20	11 25	16 29	2 25	10 2	0 40	8 41	1 10	24 34	1 20	8 26	1 32	10 9	2 10	14 50	0 45	7 24	1 49	3 12	14 21	10 4	10 30	2 59	2 3	3 26
T 21	11 45	13 42	1 15	10 57	0 30	9 9	1 8	24 37	1 20	8 24	1 32	10 10	2 10	14 50	0 45	7 23	1 49	3 13	14 21	10 4	10 31	2 57	2 5	3 26
W22	12 5	10 1	0s 1	11 51	0 20	9 37	1 7	24 39	1 20	8 21	1 32	10 10	2 10	14 50	0 45	7 23	1 49	3 13	14 21	10 3	10 32	2 55	2 6	3 26
T 23	12 25	5 40	1 18	12 45	0 10	10 5	1 5	24 40	1 20	8 18	1 31	10 11	2 10	14 50	0 45	7 22	1 49	3 13	14 21	10 4	10 33	2 53	2 7	3 26
F 24	12 45	0 54	2 31	13 38	0n 1	10 33	1 4	24 42	1 20	8 16	1 31	10 11	2 10	14 50	0 45	7 21	1 49	3 14	14 21	10 5	10 34	2 51	2 8	3 26
S 25	13 5	3n58	3 35	14 30	0 12	11 0	1 2	24 44	1 20	8 13	1 31	10 12	2 9	14 50	0 45	7 21	1 49	3 14	14 21	10 7	10 35	2 49	2 10	3 26
S 26	13 25	8 36	4 23	15 22	0 22	11 27	1 0	24 45	1 20	8 10	1 31	10 12	2 9	14 50	0 45	7 20	1 49	3 15	14 21	10 10	10 36	2 47	2 11	3 26
M27	13 44	12 38	4 53	16 12	0 33	11 54	0 58	24 46	1 20	8 8	1 31	10 13	2 9	14 50	0 45	7 20	1 49	3 15	14 21	10 13	10 38	2 45	2 12	3 26
T 28	14 3	15 49	5 4	17 0	0 44	12 21	0 57	24 47	1 20	8 5	1 31	10 13	2 9	14 50	0 45	7 19	1 48	3 16	14 21	10 17	10 39	2 43	2 14	3 26
W29	14 22	17 58	4 55	17 47	0 54	12 47	0 55	24 48	1 20	8 3	1 31	10 14	2 9	14 50	0 45	7 19	1 48	3 16	14 20	10 20	10 40	2 41	2 15	3 26
T 30	14n40	18n59	4s30	18n32	1n 4	13n13	0s53	24n49	1n20	8s 0	1n31	10n14	2n 9	14n50	0n45	7s18	1n48	3n16	14s20	10n23	10n41	2n39	2n16	3n26

Julian Day Number = 2315034.5, Delta T = 61.04 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'26, Lahiri = 18°38'26Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1626
geocentric

MAY 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 35 16	10♉26'08	14♋ 3	21♉ 5	8♉46	28♊43	24°R 6	8°R53	22♌13	23°R 2	17♉26	3°R 3	2♍14	28♍42	27♓50	F 1
S 2	14 39 13	11°24'11	26°50	23° 8	10° 0	29°20	23♎59	8♍52	22°13	23♎ 0	17°28	3♍ 0	2°10	28°49	27°52	S 2
S 3	14 43 10	12°22'12	9♌16	25° 8	11°14	29°58	23°52	8°52	22°13	22°59	17°29	2°D59	2° 7	28°56	27°55	S 3
M 4	14 47 6	13°20'11	21°24	27° 6	12°28	0♋35	23°45	8°51	22°14	22°57	17°30	2°59	2° 4	29° 2	27°58	M 4
T 5	14 51 3	14°18'08	3♍19	29° 1	13°41	1°12	23°38	8°50	22°14	22°56	17°32	2°R59	2° 1	29° 9	28° 1	T 5
W 6	14 54 59	15°16'03	15° 8	0♊54	14°55	1°49	23°31	8°50	22°14	22°54	17°33	2°59	1°58	29°16	28° 4	W 6
T 7	14 58 56	16°13'57	26°56	2°44	16° 9	2°26	23°25	8°49	22°15	22°53	17°34	2°56	1°55	29°22	28° 6	T 7
F 8	15 2 52	17°11'49	8♎46	4°30	17°23	3° 3	23°18	8°49	22°15	22°51	17°36	2°51	1°51	29°29	28° 9	F 8
S 9	15 6 49	18° 9'39	20°42	6°14	18°37	3°40	23°12	8°48	22°15	22°50	17°37	2°43	1°48	29°36	28°12	S 9
S 10	15 10 45	19° 7'28	2♏47	7°54	19°51	4°17	23° 5	8°48	22°16	22°48	17°38	2°33	1°45	29°42	28°14	S 10
M11	15 14 42	20° 5'15	15° 2	9°31	21° 5	4°55	22°59	8°D48	22°17	22°47	17°40	2°21	1°42	29°49	28°17	M11
T 12	15 18 39	21° 3'00	27°30	11° 5	22°18	5°32	22°53	8°48	22°17	22°46	17°41	2° 8	1°39	29°56	28°19	T 12
W13	15 22 35	22° 0'45	10♐ 9	12°35	23°32	6° 9	22°47	8°48	22°18	22°44	17°42	1°56	1°36	0♎ 2	28°22	W13
T 14	15 26 32	22°58'28	23° 0	14° 2	24°46	6°46	22°41	8°49	22°19	22°43	17°44	1°44	1°32	0° 9	28°24	T 14
F 15	15 30 28	23°56'09	6♑ 3	15°25	26° 0	7°23	22°36	8°49	22°19	22°41	17°45	1°35	1°29	0°16	28°27	F 15
S 16	15 34 25	24°53'50	19°17	16°45	27°14	8° 0	22°30	8°50	22°20	22°40	17°47	1°29	1°26	0°22	28°29	S 16
S 17	15 38 21	25°51'29	2♒43	18° 1	28°27	8°37	22°25	8°50	22°21	22°39	17°48	1°25	1°23	0°29	28°32	S 17
M18	15 42 18	26°49'08	16°22	19°13	29°41	9°15	22°19	8°51	22°22	22°37	17°49	1°24	1°20	0°36	28°34	M18
T 19	15 46 14	27°46'45	0♓14	20°22	0♊55	9°52	22°14	8°52	22°23	22°36	17°51	1°24	1°16	0°42	28°36	T 19
W20	15 50 11	28°44'22	14°19	21°27	2° 9	10°29	22° 9	8°52	22°24	22°35	17°52	1°24	1°13	0°49	28°38	W20
T 21	15 54 8	29°41'58	28°38	22°28	3°23	11° 6	22° 4	8°53	22°25	22°34	17°53	1°22	1°10	0°56	28°41	T 21
F 22	15 58 4	0♊39'32	13♈ 8	23°25	4°36	11°43	22° 0	8°55	22°26	22°32	17°55	1°18	1° 7	1° 2	28°43	F 22
S 23	16 2 1	1°37'06	27°45	24°18	5°50	12°21	21°55	8°56	22°28	22°31	17°56	1°12	1° 4	1° 9	28°45	S 23
S 24	16 5 57	2°34'39	12♉24	25° 7	7° 4	12°58	21°51	8°57	22°29	22°30	17°57	1° 2	1° 1	1°16	28°47	S 24
M25	16 9 54	3°32'11	26°56	25°52	8°18	13°35	21°46	8°58	22°30	22°29	17°59	0°51	0°57	1°22	28°49	M25
T 26	16 13 50	4°29'42	11♊16	26°33	9°31	14°12	21°42	9° 0	22°32	22°28	18° 0	0°40	0°54	1°29	28°51	T 26
W27	16 17 47	5°27'11	25°16	27° 9	10°45	14°49	21°38	9° 1	22°33	22°27	18° 1	0°29	0°51	1°36	28°53	W27
T 28	16 21 43	6°24'40	8♋53	27°41	11°59	15°27	21°35	9° 3	22°34	22°26	18° 2	0°19	0°48	1°42	28°55	T 28
F 29	16 25 40	7°22'08	22° 5	28° 9	13°13	16° 4	21°31	9° 5	22°36	22°25	18° 4	0°12	0°45	1°49	28°56	F 29
S 30	16 29 37	8°19'34	4♌53	28°32	14°26	16°41	21°28	9° 7	22°37	22°24	18° 5	0° 8	0°41	1°56	28°58	S 30
S 31	16 33 33	9♊16'59	17♌19	28♊50	15♊40	17♋18	21♎24	9♍ 9	22♌39	22♎23	18♉ 6	0♍ 6	0♍38	2♎ 2	29♓ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n59	18n56	3s50	19n15	1n14	13n39	0s51	24n49	1n20	7s58	1n31	10n14	2n 9	14n50	0n45	7s17	1n48	3n17	14s20	10n24	10n42	2n37	2n17	3n26
S 2	15 17	17 53	3 0	19 56	1 23	14 4	0 49	24 49	1 20	7 55	1 30	10 14	2 8	14 50	0 45	7 17	1 48	3 17	14 20	10 26	10 43	2 36	2 18	3 26
S 3	15 35	16 0	2 3	20 34	1 32	14 29	0 47	24 49	1 20	7 53	1 30	10 15	2 8	14 50	0 45	7 16	1 48	3 18	14 20	10 26	10 44	2 34	2 20	3 26
M 4	15 52	13 26	1 1	21 10	1 40	14 53	0 45	24 49	1 20	7 50	1 30	10 15	2 8	14 50	0 45	7 16	1 48	3 18	14 20	10 26	10 46	2 32	2 21	3 26
T 5	16 10	10 20	0n 2	21 44	1 47	15 18	0 43	24 49	1 20	7 48	1 30	10 15	2 8	14 50	0 45	7 15	1 48	3 18	14 20	10 26	10 47	2 30	2 22	3 27
W 6	16 27	6 51	1 4	22 15	1 54	15 41	0 41	24 48	1 20	7 46	1 30	10 15	2 8	14 50	0 45	7 15	1 48	3 19	14 20	10 26	10 48	2 28	2 23	3 27
T 7	16 44	3 7	2 4	22 43	2 1	16 5	0 39	24 48	1 20	7 43	1 30	10 15	2 8	14 50	0 45	7 14	1 48	3 19	14 20	10 27	10 49	2 26	2 24	3 27
F 8	17 0	0s45	2 58	23 9	2 6	16 28	0 37	24 47	1 20	7 41	1 30	10 15	2 7	14 50	0 45	7 14	1 48	3 20	14 20	10 29	10 50	2 24	2 25	3 27
S 9	17 16	4 38	3 45	23 32	2 11	16 51	0 35	24 46	1 20	7 39	1 29	10 15	2 7	14 49	0 45	7 13	1 48	3 20	14 20	10 31	10 51	2 22	2 27	3 27
S 10	17 32	8 21	4 22	23 53	2 15	17 13	0 32	24 45	1 20	7 37	1 29	10 15	2 7	14 49	0 45	7 13	1 48	3 20	14 20	10 35	10 52	2 20	2 28	3 27
M11	17 48	11 48	4 47	24 12	2 18	17 35	0 30	24 43	1 20	7 34	1 29	10 15	2 7	14 49	0 45	7 12	1 48	3 21	14 20	10 39	10 53	2 18	2 29	3 27
T 12	18 3	14 46	5 0	24 28	2 21	17 56	0 28	24 42	1 20	7 32	1 29	10 15	2 7	14 49	0 45	7 12	1 48	3 21	14 20	10 44	10 55	2 16	2 30	3 27
W13	18 18	17 6	4 58	24 42	2 22	18 17	0 26	24 40	1 20	7 30	1 29	10 14	2 7	14 48	0 44	7 11	1 48	3 22	14 20	10 49	10 56	2 14	2 31	3 27
T 14	18 33	18 38	4 41	24 53	2 23	18 37	0 23	24 38	1 20	7 28	1 29	10 14	2 7	14 48	0 44	7 11	1 48	3 22	14 20	10 53	10 57	2 12	2 32	3 27
F 15	18 48	19 12	4 9	25 3	2 23	18 57	0 21	24 36	1 20	7 26	1 28	10 14	2 6	14 48	0 44	7 10	1 48	3 22	14 20	10 56	10 58	2 10	2 33	3 27
S 16	19 2	18 45	3 23	25 10	2 21	19 16	0 19	24 34	1 20	7 25	1 28	10 13	2 6	14 48	0 44	7 10	1 48	3 23	14 20	10 58	10 59	2 8	2 34	3 27
S 17	19 16	17 14	2 25	25 16	2 19	19 35	0 16	24 32	1 20	7 23	1 28	10 13	2 6	14 47	0 44	7 9	1 48	3 23	14 20	10 59	11 0	2 6	2 35	3 28
M18	19 29	14 43	1 19	25 19	2 17	19 54	0 14	24 29	1 19	7 21	1 28	10 13	2 6	14 47	0 44	7 9	1 48	3 23	14 20	11 0	11 1	2 4	2 36	3 28
T 19	19 42	11 19	0 6	25 21	2 13	20 11	0 12	24 26	1 19	7 19	1 27	10 12	2 6	14 46	0 44	7 8	1 48	3 24	14 20	11 0	11 3	2 3	2 37	3 28
W20	19 55	7 13	1s 8	25 21	2 8	20 29	0 9	24 23	1 19	7 18	1 27	10 12	2 6	14 46	0 44	7 8	1 48	3 24	14 20	11 0	11 4	2 1	2 38	3 28
T 21	20 8	2 40	2 19	25 19	2 3	20 45	0 7	24 20	1 19	7 16	1 27	10 11	2 5	14 46	0 44	7 7	1 48	3 24	14 20	11 1	11 5	1 59	2 39	3 28
F 22	20 20	2n 6	3 22	25 16	1 56	21 1	0 5	24 17	1 19	7 14	1 27	10 11	2 5	14 45	0 44	7 7	1 48	3 25	14 20	11 2	11 6	1 57	2 40	3 28
S 23	20 31	6 47	4 12	25 11	1 49	21 17	0 2	24 13	1 19	7 13	1 27	10 10	2 5	14 45	0 44	7 7	1 48	3 25	14 20	11 4	11 7	1 55	2 41	3 28
S 24	20 43	11 3	4 45	25 5	1 41	21 32	0n 0	24 10	1 19	7 12	1 26	10 9	2 5	14 44	0 44	7 6	1 48	3 25	14 20	11 8	11 8	1 53	2 42	3 28
M25	20 54	14 39	5 0	24 57	1 32	21 46	0 3	24 6	1 19	7 10	1 26	10 9	2 5	14 44	0 44	7 6	1 48	3 25	14 20	11 11	11 9	1 51	2 43	3 28
T 26	21 5	17 17	4 56	24 49	1 22	22 0	0 5	24 2	1 19	7 9	1 26	10 8	2 5	14 43	0 44	7 5	1 48	3 26	14 20	11 16	11 10	1 49	2 44	3 28
W27	21 15	18 51	4 33	24 39	1 12	22 13	0 7	23 58	1 19	7 8	1 26	10 7	2 4	14 43	0 44	7 5	1 48	3 26	14 20	11 19	11 12	1 47	2 44	3 29
T 28	21 25	19 16	3 56	24 28	1 0	22 26	0 10	23 53	1 19	7 6	1 25	10 6	2 4	14 42	0 44	7 5	1 48	3 26	14 20	11 23	11 13	1 45	2 45	3 29
F 29	21 35	18 36	3 7	24 16	0 48	22 38	0 12	23 49	1 18	7 5	1 25	10 6	2 4	14 42	0 44	7 4	1 48	3 27	14 20	11 25	11 14	1 43	2 46	3 29
S 30	21 44	16 59	2 9	24 3	0 35	22 49	0 14	23 44	1 18	7 4	1 25	10 5	2 4	14 41	0 44	7 4	1 48	3 27	14 21	11 27	11 15	1 41	2 47	3 29
S 31	21n53	14n36	1s 7	23n50	0n21	22n59	0n17	23n39	1n18	7s 3	1n25	10n 4	2n 4	14n41	0n44	7s 4	1n48	3n27	14s21	11n27	11n16	1n39	2n48	3n29

Julian Day Number = 2315064.5, Delta T = 60.97 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'30, Lahiri = 18°38'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

JUNE 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 37 30	10♊14'23	29♌29	29♊ 4	16♊54	17♋56	21°R21	9♍11	22♌41	22°R22	18♉ 8	0°D 6	0♍35	2♎ 9	29♓ 2	M 1
T 2	16 41 26	11°11'46	11♍26	29°14	18° 7	18°33	21♎18	9°13	22°42	22♎21	18° 9	0°R 6	0°32	2°16	29° 3	T 2
W 3	16 45 23	12° 9'08	23°16	29°18	19°21	19°10	21°16	9°15	22°44	22°20	18°10	0♍ 5	0°29	2°22	29° 5	W 3
T 4	16 49 19	13° 6'28	5♎ 5	29°R19	20°35	19°47	21°13	9°18	22°46	22°19	18°11	0° 3	0°26	2°29	29° 6	T 4
F 5	16 53 16	14° 3'48	16°58	29°14	21°48	20°25	21°11	9°20	22°48	22°18	18°13	29♌59	0°22	2°36	29° 8	F 5
S 6	16 57 12	15° 1'07	28°59	29° 6	23° 2	21° 2	21° 9	9°23	22°50	22°17	18°14	29°52	0°19	2°42	29° 9	S 6
S 7	17 1 9	15°58'25	11♏12	28°53	24°16	21°39	21° 6	9°26	22°52	22°16	18°15	29°43	0°16	2°49	29°11	S 7
M 8	17 5 6	16°55'41	23°38	28°36	25°29	22°16	21° 5	9°28	22°54	22°15	18°16	29°33	0°13	2°56	29°12	M 8
T 9	17 9 2	17°52'58	6♐20	28°16	26°43	22°54	21° 3	9°31	22°56	22°15	18°17	29°21	0°10	3° 2	29°13	T 9
W10	17 12 59	18°50'13	19°17	27°52	27°57	23°31	21° 1	9°34	22°58	22°14	18°19	29° 9	0° 7	3° 9	29°14	W10
T 11	17 16 55	19°47'28	2♑29	27°25	29°10	24° 8	21° 0	9°37	23° 0	22°13	18°20	28°59	0° 3	3°16	29°16	T 11
F 12	17 20 52	20°44'43	15°54	26°55	0♋24	24°46	20°59	9°40	23° 2	22°13	18°21	28°50	0° 0	3°22	29°17	F 12
S 13	17 24 48	21°41'57	29°29	26°24	1°37	25°23	20°58	9°43	23° 4	22°12	18°22	28°45	29♌57	3°29	29°18	S 13
S 14	17 28 45	22°39'11	13♒14	25°51	2°51	26° 0	20°57	9°47	23° 6	22°11	18°23	28°42	29°54	3°36	29°19	S 14
M15	17 32 42	23°36'24	27° 7	25°16	4° 5	26°38	20°57	9°50	23° 9	22°11	18°25	28°D41	29°51	3°42	29°20	M15
T 16	17 36 38	24°33'37	11♓ 6	24°42	5°18	27°15	20°56	9°54	23°11	22°10	18°26	28°41	29°47	3°49	29°21	T 16
W17	17 40 35	25°30'50	25°11	24° 7	6°32	27°52	20°56	9°57	23°13	22°10	18°27	28°R41	29°44	3°56	29°21	W17
T 18	17 44 31	26°28'03	9♈22	23°34	7°46	28°30	20°D56	10° 1	23°16	22° 9	18°28	28°41	29°41	4° 2	29°22	T 18
F 19	17 48 28	27°25'16	23°36	23° 1	8°59	29° 7	20°56	10° 5	23°18	22° 9	18°29	28°38	29°38	4° 9	29°23	F 19
S 20	17 52 24	28°22'29	7♉51	22°31	10°13	29°44	20°56	10° 8	23°21	22° 8	18°30	28°33	29°35	4°16	29°24	S 20
S 21	17 56 21	29°19'43	22° 4	22° 3	11°26	0♌22	20°57	10°12	23°23	22° 8	18°31	28°26	29°32	4°22	29°24	S 21
M22	18 0 17	0♋16'56	6♊11	21°37	12°40	0°59	20°57	10°16	23°26	22° 7	18°32	28°18	29°28	4°29	29°25	M22
T 23	18 4 14	1°14'09	20° 6	21°16	13°53	1°36	20°58	10°20	23°28	22° 7	18°33	28° 8	29°25	4°36	29°26	T 23
W24	18 8 11	2°11'21	3♋46	20°57	15° 7	2°14	20°59	10°25	23°31	22° 7	18°34	28° 0	29°22	4°42	29°26	W24
T 25	18 12 7	3° 8'34	17° 8	20°43	16°21	2°51	21° 0	10°29	23°34	22° 6	18°35	27°52	29°19	4°49	29°26	T 25
F 26	18 16 4	4° 5'47	0♌ 9	20°33	17°34	3°29	21° 2	10°33	23°36	22° 6	18°36	27°47	29°16	4°56	29°27	F 26
S 27	18 20 0	5° 2'59	12°51	20°28	18°48	4° 6	21° 3	10°38	23°39	22° 6	18°37	27°43	29°13	5° 2	29°27	S 27
S 28	18 23 57	6° 0'11	25°14	20°D28	20° 1	4°44	21° 5	10°42	23°42	22° 6	18°38	27°D42	29° 9	5° 9	29°27	S 28
M29	18 27 53	6°57'23	7♍23	20°32	21°15	5°21	21° 7	10°47	23°45	22° 5	18°39	27°43	29° 6	5°16	29°28	M29
T 30	18 31 50	7♋54'34	19♍20	20♊41	22♋28	5♌58	21♎ 9	10♍51	23♌48	22♎ 5	18♉40	27♌44	29♌ 3	5♎22	29♓28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 2	11n38	0s 3	23n36	0n 7	23n 9	0n19	23n34	1n18	7s 2	1n24	10n 3	2n 4	14n40	0n44	7s 3	1n48	3n27	14s21	11n28	11n17	1n37	2n49	3n29
T 2	22 10	8 13	1n 0	23 21	0s 8	23 19	0 22	23 29	1 18	7 2	1 24	10 2	2 3	14 40	0 44	7 3	1 48	3 28	14 21	11 28	11 18	1 35	2 49	3 29
W 3	22 18	4 31	2 0	23 5	0 24	23 27	0 24	23 24	1 18	7 1	1 24	10 1	2 3	14 39	0 44	7 3	1 47	3 28	14 21	11 28	11 19	1 33	2 50	3 29
T 4	22 25	0 38	2 54	22 49	0 40	23 35	0 26	23 18	1 18	7 0	1 24	10 0	2 3	14 38	0 44	7 2	1 47	3 28	14 21	11 28	11 21	1 31	2 51	3 30
F 5	22 32	3s16	3 42	22 32	0 57	23 42	0 29	23 13	1 18	6 59	1 23	9 59	2 3	14 38	0 44	7 2	1 47	3 28	14 21	11 30	11 22	1 29	2 51	3 30
S 6	22 39	7 5	4 20	22 15	1 13	23 49	0 31	23 7	1 18	6 59	1 23	9 58	2 3	14 37	0 44	7 2	1 47	3 28	14 21	11 32	11 23	1 27	2 52	3 30
S 7	22 45	10 40	4 46	21 58	1 30	23 55	0 33	23 1	1 17	6 58	1 23	9 57	2 3	14 37	0 44	7 2	1 47	3 29	14 21	11 35	11 24	1 25	2 53	3 30
M 8	22 51	13 52	5 0	21 41	1 47	24 0	0 35	22 55	1 17	6 58	1 23	9 55	2 2	14 36	0 44	7 1	1 47	3 29	14 21	11 39	11 25	1 23	2 53	3 30
T 9	22 56	16 29	5 0	21 24	2 4	24 4	0 38	22 48	1 17	6 57	1 22	9 54	2 2	14 35	0 44	7 1	1 47	3 29	14 21	11 43	11 26	1 21	2 54	3 30
W10	23 1	18 20	4 44	21 7	2 21	24 8	0 40	22 42	1 17	6 57	1 22	9 53	2 2	14 34	0 43	7 1	1 47	3 29	14 22	11 47	11 27	1 19	2 55	3 30
T 11	23 6	19 15	4 12	20 50	2 37	24 11	0 42	22 35	1 17	6 57	1 22	9 52	2 2	14 34	0 43	7 1	1 47	3 29	14 22	11 51	11 28	1 17	2 55	3 30
F 12	23 10	19 7	3 27	20 34	2 53	24 13	0 44	22 28	1 17	6 57	1 21	9 50	2 2	14 33	0 43	7 0	1 47	3 30	14 22	11 54	11 30	1 15	2 56	3 30
S 13	23 14	17 52	2 29	20 18	3 8	24 15	0 46	22 22	1 17	6 57	1 21	9 49	2 2	14 32	0 43	7 0	1 47	3 30	14 22	11 56	11 31	1 14	2 56	3 31
S 14	23 17	15 35	1 21	20 3	3 23	24 16	0 48	22 14	1 16	6 57	1 21	9 47	2 1	14 31	0 43	7 0	1 47	3 30	14 22	11 57	11 32	1 12	2 57	3 31
M15	23 20	12 22	0 8	19 48	3 36	24 16	0 50	22 7	1 16	6 57	1 21	9 46	2 1	14 31	0 43	7 0	1 47	3 30	14 22	11 57	11 33	1 10	2 57	3 31
T 16	23 22	8 26	1s 6	19 35	3 48	24 15	0 52	22 0	1 16	6 57	1 20	9 45	2 1	14 30	0 43	7 0	1 47	3 30	14 22	11 57	11 34	1 8	2 58	3 31
W17	23 25	4 0	2 17	19 22	3 59	24 14	0 54	21 52	1 16	6 57	1 20	9 43	2 1	14 29	0 43	7 0	1 47	3 30	14 23	11 57	11 35	1 6	2 58	3 31
T 18	23 26	0n40	3 19	19 11	4 9	24 12	0 56	21 44	1 16	6 57	1 20	9 42	2 1	14 28	0 43	6 59	1 47	3 31	14 23	11 57	11 36	1 4	2 59	3 31
F 19	23 28	5 18	4 10	19 1	4 17	24 9	0 58	21 37	1 16	6 57	1 20	9 40	2 1	14 27	0 43	6 59	1 47	3 31	14 23	11 58	11 37	1 2	2 59	3 31
S 20	23 29	9 39	4 45	18 53	4 24	24 5	1 0	21 29	1 16	6 58	1 19	9 38	2 1	14 27	0 43	6 59	1 47	3 31	14 23	12 0	11 38	1 0	3 0	3 32
S 21	23 29	13 26	5 3	18 46	4 30	24 1	1 2	21 20	1 15	6 58	1 19	9 37	2 0	14 26	0 43	6 59	1 47	3 31	14 23	12 2	11 40	0 58	3 0	3 32
M22	23 29	16 25	5 2	18 40	4 33	23 56	1 4	21 12	1 15	6 59	1 19	9 35	2 0	14 25	0 43	6 59	1 47	3 31	14 23	12 5	11 41	0 56	3 0	3 32
T 23	23 29	18 25	4 43	18 36	4 36	23 51	1 6	21 4	1 15	6 59	1 18	9 33	2 0	14 24	0 43	6 59	1 46	3 31	14 23	12 9	11 42	0 54	3 1	3 32
W24	23 28	19 18	4 8	18 34	4 37	23 44	1 7	20 55	1 15	7 0	1 18	9 32	2 0	14 23	0 43	6 59	1 46	3 31	14 24	12 12	11 43	0 52	3 1	3 32
T 25	23 27	19 5	3 20	18 34	4 36	23 37	1 9	20 46	1 15	7 1	1 18	9 30	2 0	14 22	0 43	6 59	1 46	3 31	14 24	12 14	11 44	0 50	3 1	3 32
F 26	23 25	17 50	2 23	18 35	4 35	23 30	1 11	20 37	1 15	7 1	1 18	9 28	2 0	14 21	0 43	6 59	1 46	3 31	14 24	12 16	11 45	0 48	3 2	3 32
S 27	23 23	15 43	1 19	18 38	4 32	23 21	1 12	20 28	1 14	7 2	1 17	9 26	2 0	14 20	0 43	6 59	1 46	3 32	14 24	12 17	11 46	0 46	3 2	3 32
S 28	23 21	12 56	0 13	18 42	4 27	23 12	1 14	20 19	1 14	7 3	1 17	9 25	2 0	14 19	0 43	6 59	1 46	3 32	14 24	12 18	11 47	0 44	3 2	3 33
M29	23 18	9 37	0n52	18 48	4 22	23 2	1 15	20 10	1 14	7 4	1 17	9 23	1 59	14 18	0 43	6 59	1 46	3 32	14 25	12 18	11 48	0 42	3 2	3 33
T 30	23n15	5n59	1n54	18n55	4s15	22n52	1n17	20n 0	1n14	7s 5	1n16	9n21	1n59	14n17	0n43	6s59	1n46	3n32	14s25	12n17	11n50	0n40	3n 2	3n33

Julian Day Number = 2315095.5, Delta T = 60.90 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'34, Lahiri = 18°38'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

JULY 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 35 46	8♋51'45	1♎11	20♊56	23♋42	6♌36	21♎11	10♍56	23♌50	22°R 5	18♉41	27♌45	29♌ 0	5♎29	29♓28	W 1
T 2	18 39 43	9°48'56	13° 2	21°15	24°55	7°13	21°14	11° 1	23°53	22♎ 5	18°42	27°R45	28°57	5°36	29°28	T 2
F 3	18 43 40	10°46'07	24°56	21°40	26° 9	7°51	21°16	11° 6	23°56	22° 5	18°43	27°44	28°53	5°42	29°R28	F 3
S 4	18 47 36	11°43'18	7♏ 0	22°10	27°23	8°28	21°19	11°10	23°59	22°D 5	18°44	27°41	28°50	5°49	29°28	S 4
S 5	18 51 33	12°40'29	19°16	22°45	28°36	9° 6	21°22	11°15	24° 2	22° 5	18°45	27°36	28°47	5°56	29°28	S 5
M 6	18 55 29	13°37'40	1♐50	23°24	29°49	9°43	21°25	11°21	24° 5	22° 5	18°46	27°30	28°44	6° 2	29°28	M 6
T 7	18 59 26	14°34'51	14°42	24° 9	1♌ 3	10°21	21°28	11°26	24° 8	22° 5	18°46	27°23	28°41	6° 9	29°28	T 7
W 8	19 3 22	15°32'02	27°53	24°59	2°16	10°58	21°32	11°31	24°11	22° 5	18°47	27°16	28°38	6°16	29°27	W 8
T 9	19 7 19	16°29'13	11♑24	25°54	3°30	11°36	21°35	11°36	24°15	22° 6	18°48	27°10	28°34	6°22	29°27	T 9
F 10	19 11 15	17°26'25	25°11	26°54	4°43	12°14	21°39	11°42	24°18	22° 6	18°49	27° 5	28°31	6°29	29°27	F 10
S 11	19 15 12	18°23'37	9♒11	27°58	5°57	12°51	21°43	11°47	24°21	22° 6	18°50	27° 2	28°28	6°36	29°26	S 11
S 12	19 19 9	19°20'50	23°21	29° 7	7°10	13°29	21°47	11°52	24°24	22° 6	18°50	27°D 0	28°25	6°42	29°26	S 12
M13	19 23 5	20°18'03	7♓37	0♋21	8°24	14° 6	21°51	11°58	24°27	22° 7	18°51	27° 1	28°22	6°49	29°25	M13
T 14	19 27 2	21°15'17	21°54	1°39	9°37	14°44	21°56	12° 3	24°31	22° 7	18°52	27° 2	28°19	6°56	29°25	T 14
W15	19 30 58	22°12'31	6♈11	3° 2	10°51	15°22	22° 0	12° 9	24°34	22° 7	18°53	27° 3	28°15	7° 3	29°24	W15
T 16	19 34 55	23° 9'46	20°24	4°29	12° 4	15°59	22° 5	12°15	24°37	22° 8	18°53	27°R 4	28°12	7° 9	29°23	T 16
F 17	19 38 51	24° 7'03	4♉32	6° 1	13°17	16°37	22°10	12°21	24°41	22° 8	18°54	27° 4	28° 9	7°16	29°22	F 17
S 18	19 42 48	25° 4'20	18°32	7°36	14°31	17°14	22°15	12°26	24°44	22° 8	18°55	27° 2	28° 6	7°23	29°22	S 18
S 19	19 46 44	26° 1'38	2♊24	9°16	15°44	17°52	22°20	12°32	24°47	22° 9	18°55	26°59	28° 3	7°29	29°21	S 19
M20	19 50 41	26°58'57	16° 6	10°59	16°58	18°30	22°25	12°38	24°51	22° 9	18°56	26°55	27°59	7°36	29°20	M20
T 21	19 54 38	27°56'17	29°35	12°46	18°11	19° 8	22°31	12°44	24°54	22°10	18°56	26°50	27°56	7°43	29°19	T 21
W22	19 58 34	28°53'38	12♋50	14°35	19°24	19°45	22°36	12°50	24°58	22°10	18°57	26°46	27°53	7°49	29°18	W22
T 23	20 2 31	29°51'00	25°50	16°28	20°38	20°23	22°42	12°56	25° 1	22°11	18°58	26°42	27°50	7°56	29°17	T 23
F 24	20 6 27	0♌48'22	8♌34	18°24	21°51	21° 1	22°48	13° 3	25° 5	22°12	18°58	26°40	27°47	8° 3	29°16	F 24
S 25	20 10 24	1°45'45	21° 4	20°22	23° 4	21°39	22°54	13° 9	25° 8	22°12	18°59	26°D39	27°44	8° 9	29°15	S 25
S 26	20 14 20	2°43'09	3♍19	22°22	24°18	22°16	23° 0	13°15	25°12	22°13	18°59	26°39	27°40	8°16	29°13	S 26
M27	20 18 17	3°40'34	15°24	24°23	25°31	22°54	23° 7	13°21	25°15	22°14	19° 0	26°40	27°37	8°23	29°12	M27
T 28	20 22 13	4°37'59	27°19	26°26	26°44	23°32	23°13	13°28	25°19	22°15	19° 0	26°41	27°34	8°29	29°11	T 28
W29	20 26 10	5°35'25	9♎10	28°30	27°58	24°10	23°20	13°34	25°22	22°15	19° 1	26°43	27°31	8°36	29°10	W29
T 30	20 30 7	6°32'52	21° 0	0♌34	29°11	24°48	23°27	13°41	25°26	22°16	19° 1	26°44	27°28	8°43	29° 8	T 30
F 31	20 34 3	7♌30'19	2♏54	2♌39	0♍24	25♌25	23♎34	13♍47	25♌29	22♎17	19♉ 1	26°R45	27♌25	8♎49	29♓ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n11	2n 8	2n51	19n 4	4s 7	22n41	1n18	19n51	1n14	7s 6	1n16	9n19	1n59	14n16	0n43	6s59	1n46	3n32	14s25	12n17	11n51	0n38	3n 3	3n33
T 2	23 7	1s47	3 40	19 13	3 59	22 29	1 19	19 41	1 13	7 7	1 16	9 17	1 59	14 15	0 43	6 59	1 46	3 32	14 25	12 17	11 52	0 36	3 3	3 33
F 3	23 3	5 38	4 20	19 24	3 49	22 17	1 20	19 31	1 13	7 9	1 16	9 15	1 59	14 14	0 43	6 59	1 46	3 32	14 25	12 17	11 53	0 34	3 3	3 33
S 4	22 58	9 19	4 49	19 36	3 39	22 4	1 22	19 21	1 13	7 10	1 15	9 13	1 59	14 13	0 43	6 59	1 46	3 32	14 26	12 18	11 54	0 32	3 3	3 33
S 5	22 53	12 40	5 6	19 49	3 28	21 50	1 23	19 11	1 13	7 11	1 15	9 11	1 59	14 12	0 43	6 59	1 46	3 32	14 26	12 20	11 55	0 30	3 3	3 34
M 6	22 47	15 32	5 8	20 3	3 17	21 36	1 24	19 1	1 13	7 13	1 15	9 9	1 59	14 11	0 43	6 59	1 46	3 32	14 26	12 22	11 56	0 28	3 3	3 34
T 7	22 41	17 43	4 55	20 17	3 5	21 21	1 25	18 51	1 12	7 14	1 15	9 7	1 58	14 10	0 43	6 59	1 46	3 32	14 26	12 24	11 57	0 26	3 3	3 34
W 8	22 35	19 2	4 26	20 31	2 52	21 5	1 26	18 40	1 12	7 16	1 14	9 5	1 58	14 9	0 43	6 59	1 46	3 32	14 26	12 27	11 58	0 24	3 3	3 34
T 9	22 28	19 18	3 42	20 46	2 40	20 49	1 27	18 30	1 12	7 17	1 14	9 3	1 58	14 8	0 43	6 59	1 46	3 32	14 27	12 29	12 0	0 22	3 3	3 34
F 10	22 21	18 27	2 44	21 1	2 26	20 32	1 28	18 19	1 12	7 19	1 14	9 1	1 58	14 7	0 43	6 59	1 46	3 32	14 27	12 31	12 1	0 20	3 3	3 34
S 11	22 13	16 27	1 35	21 15	2 13	20 15	1 28	18 8	1 12	7 21	1 14	8 58	1 58	14 6	0 43	6 59	1 45	3 32	14 27	12 32	12 2	0 18	3 3	3 34
S 12	22 5	13 27	0 20	21 30	1 59	19 57	1 29	17 57	1 11	7 22	1 13	8 56	1 58	14 5	0 43	7 0	1 45	3 32	14 27	12 32	12 3	0 16	3 3	3 34
M13	21 57	9 37	0s58	21 44	1 45	19 39	1 30	17 46	1 11	7 24	1 13	8 54	1 58	14 4	0 43	7 0	1 45	3 32	14 28	12 32	12 4	0 14	3 3	3 35
T 14	21 48	5 14	2 12	21 57	1 32	19 20	1 30	17 35	1 11	7 26	1 13	8 52	1 58	14 3	0 43	7 0	1 45	3 32	14 28	12 31	12 5	0 12	3 3	3 35
W15	21 39	0 34	3 18	22 9	1 18	19 0	1 31	17 23	1 11	7 28	1 12	8 50	1 58	14 2	0 43	7 0	1 45	3 32	14 28	12 31	12 6	0 10	3 3	3 35
T 16	21 30	4n 7	4 11	22 21	1 4	18 40	1 31	17 12	1 11	7 30	1 12	8 47	1 57	14 1	0 43	7 0	1 45	3 32	14 28	12 31	12 7	0 8	3 2	3 35
F 17	21 20	8 31	4 49	22 31	0 50	18 19	1 32	17 0	1 10	7 32	1 12	8 45	1 57	13 59	0 43	7 1	1 45	3 32	14 29	12 31	12 8	0 6	3 2	3 35
S 18	21 10	12 25	5 9	22 39	0 37	17 58	1 32	16 49	1 10	7 34	1 12	8 43	1 57	13 58	0 43	7 1	1 45	3 32	14 29	12 31	12 9	0 4	3 2	3 35
S 19	20 59	15 36	5 11	22 46	0 24	17 37	1 32	16 37	1 10	7 36	1 11	8 40	1 57	13 57	0 43	7 1	1 45	3 31	14 29	12 33	12 11	0 2	3 2	3 35
M20	20 48	17 52	4 55	22 51	0 11	17 15	1 32	16 25	1 10	7 38	1 11	8 38	1 57	13 56	0 43	7 1	1 45	3 31	14 29	12 34	12 12	0s 0	3 2	3 35
T 21	20 37	19 6	4 23	22 54	0n 2	16 52	1 32	16 13	1 9	7 41	1 11	8 36	1 57	13 55	0 43	7 1	1 45	3 31	14 29	12 35	12 13	0 2	3 1	3 35
W22	20 25	19 15	3 38	22 55	0 13	16 29	1 32	16 1	1 9	7 43	1 11	8 33	1 57	13 54	0 42	7 2	1 45	3 31	14 30	12 37	12 14	0 4	3 1	3 36
T 23	20 13	18 23	2 41	22 53	0 25	16 6	1 32	15 49	1 9	7 45	1 10	8 31	1 57	13 52	0 42	7 2	1 45	3 31	14 30	12 38	12 15	0 6	3 1	3 36
F 24	20 1	16 35	1 38	22 48	0 36	15 42	1 32	15 36	1 9	7 48	1 10	8 28	1 57	13 51	0 42	7 2	1 45	3 31	14 30	12 39	12 16	0 8	3 0	3 36
S 25	19 48	14 1	0 31	22 42	0 46	15 18	1 32	15 24	1 9	7 50	1 10	8 26	1 57	13 50	0 42	7 3	1 45	3 31	14 31	12 39	12 17	0 10	3 0	3 36
S 26	19 35	10 53	0n37	22 32	0 55	14 53	1 32	15 11	1 8	7 53	1 10	8 23	1 57	13 49	0 42	7 3	1 45	3 31	14 31	12 39	12 18	0 12	3 0	3 36
M27	19 22	7 20	1 42	22 20	1 4	14 28	1 31	14 59	1 8	7 55	1 9	8 21	1 57	13 48	0 42	7 3	1 45	3 31	14 31	12 39	12 19	0 14	2 59	3 36
T 28	19 9	3 32	2 41	22 5	1 12	14 3	1 31	14 46	1 8	7 58	1 9	8 18	1 56	13 46	0 42	7 4	1 45	3 30	14 31	12 39	12 20	0 16	2 59	3 36
W29	18 55	0s22	3 34	21 47	1 19	13 37	1 31	14 33	1 8	8 1	1 9	8 16	1 56	13 45	0 42	7 4	1 44	3 30	14 32	12 38	12 22	0 18	2 58	3 36
T 30	18 40	4 15	4 17	21 27	1 25	13 11	1 30	14 20	1 7	8 3	1 9	8 13	1 56	13 44	0 42	7 4	1 44	3 30	14 32	12 38	12 23	0 20	2 58	3 36
F 31	18n26	7s58	4n49	21n 4	1n30	12n45	1n29	14n 7	1n 7	8s 6	1n 9	8n11	1n56	13n43	0n42	7s 5	1n44	3n30	14s32	12n37	12n24	0s22	2n57	3n37

Julian Day Number = 2315125.5, Delta T = 60.83 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'38, Lahiri = 18°38'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

AUGUST 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 38 0	8♌27'47	14♏57	4♌44	1♍37	26♌ 3	23♎41	13♍54	25♌33	22♎18	19♉ 2	26°R45	27♌21	8♎56	29°R 5	S 1
S 2	20 41 56	9°25'16	27°14	6°48	2°51	26°41	23°48	14° 0	25°37	22°19	19° 2	26♌44	27°18	9° 3	29♓ 4	S 2
M 3	20 45 53	10°22'46	9♐48	8°52	4° 4	27°19	23°55	14° 7	25°40	22°20	19° 2	26°43	27°15	9° 9	29° 2	M 3
T 4	20 49 49	11°20'17	22°43	10°56	5°17	27°57	24° 2	14°14	25°44	22°21	19° 3	26°41	27°12	9°16	29° 0	T 4
W 5	20 53 46	12°17'49	6♑ 1	12°58	6°30	28°35	24°10	14°20	25°48	22°22	19° 3	26°39	27° 9	9°23	28°59	W 5
T 6	20 57 42	13°15'22	19°43	15° 0	7°43	29°13	24°18	14°27	25°51	22°23	19° 3	26°37	27° 5	9°29	28°57	T 6
F 7	21 1 39	14°12'56	3♒46	17° 1	8°57	29°51	24°25	14°34	25°55	22°24	19° 4	26°36	27° 2	9°36	28°55	F 7
S 8	21 5 36	15°10'31	18° 8	19° 0	10°10	0♍29	24°33	14°41	25°59	22°25	19° 4	26°35	26°59	9°43	28°54	S 8
S 9	21 9 32	16° 8'07	2♓43	20°58	11°23	1° 7	24°41	14°48	26° 2	22°26	19° 4	26°D35	26°56	9°49	28°52	S 9
M10	21 13 29	17° 5'44	17°25	22°55	12°36	1°45	24°50	14°55	26° 6	22°27	19° 4	26°35	26°53	9°56	28°50	M10
T 11	21 17 25	18° 3'23	2♈ 7	24°51	13°49	2°23	24°58	15° 1	26°10	22°28	19° 4	26°36	26°50	10° 3	28°48	T 11
W12	21 21 22	19° 1'03	16°44	26°45	15° 2	3° 1	25° 6	15° 8	26°14	22°30	19° 5	26°37	26°46	10°10	28°46	W12
T 13	21 25 18	19°58'45	1♉10	28°37	16°15	3°39	25°15	15°15	26°17	22°31	19° 5	26°37	26°43	10°16	28°44	T 13
F 14	21 29 15	20°56'29	15°22	0♍29	17°28	4°17	25°23	15°22	26°21	22°32	19° 5	26°R38	26°40	10°23	28°42	F 14
S 15	21 33 11	21°54'15	29°18	2°19	18°41	4°55	25°32	15°30	26°25	22°33	19° 5	26°38	26°37	10°30	28°40	S 15
S 16	21 37 8	22°52'02	12♊58	4° 7	19°54	5°33	25°41	15°37	26°29	22°35	19° 5	26°37	26°34	10°36	28°38	S 16
M17	21 41 5	23°49'51	26°21	5°55	21° 7	6°12	25°50	15°44	26°32	22°36	19° 5	26°37	26°31	10°43	28°36	M17
T 18	21 45 1	24°47'42	9♋28	7°40	22°20	6°50	25°59	15°51	26°36	22°37	19° 5	26°37	26°27	10°50	28°33	T 18
W19	21 48 58	25°45'34	22°20	9°25	23°33	7°28	26° 8	15°58	26°40	22°39	19°R 5	26°37	26°24	10°56	28°31	W19
T 20	21 52 54	26°43'28	4♌59	11° 8	24°46	8° 6	26°17	16° 5	26°44	22°40	19° 5	26°D37	26°21	11° 3	28°29	T 20
F 21	21 56 51	27°41'24	17°25	12°50	25°59	8°45	26°27	16°13	26°47	22°42	19° 5	26°37	26°18	11°10	28°27	F 21
S 22	22 0 47	28°39'21	29°41	14°30	27°12	9°23	26°36	16°20	26°51	22°43	19° 5	26°R37	26°15	11°16	28°24	S 22
S 23	22 4 44	29°37'20	11♍46	16° 9	28°25	10° 1	26°46	16°27	26°55	22°45	19° 5	26°37	26°11	11°23	28°22	S 23
M24	22 8 40	0♍35'20	23°44	17°47	29°37	10°39	26°56	16°34	26°59	22°46	19° 5	26°36	26° 8	11°30	28°19	M24
T 25	22 12 37	1°33'22	5♎37	19°24	0♎50	11°18	27° 5	16°42	27° 2	22°48	19° 5	26°36	26° 5	11°36	28°17	T 25
W26	22 16 33	2°31'25	17°26	20°59	2° 3	11°56	27°15	16°49	27° 6	22°49	19° 5	26°35	26° 2	11°43	28°15	W26
T 27	22 20 30	3°29'30	29°16	22°33	3°16	12°35	27°25	16°56	27°10	22°51	19° 4	26°34	25°59	11°50	28°12	T 27
F 28	22 24 27	4°27'36	11♏10	24° 6	4°29	13°13	27°35	17° 4	27°14	22°52	19° 4	26°33	25°56	11°56	28°10	F 28
S 29	22 28 23	5°25'44	23°11	25°37	5°41	13°51	27°45	17°11	27°17	22°54	19° 4	26°33	25°52	12° 3	28° 7	S 29
S 30	22 32 20	6°23'53	5♐25	27° 8	6°54	14°30	27°56	17°19	27°21	22°56	19° 4	26°D32	25°49	12°10	28° 5	S 30
M31	22 36 16	7♍22'04	17♐56	28♍37	8♎ 7	15♍ 8	28♎ 6	17♍26	27♌25	22♎57	19♉ 4	26♌33	25♌46	12♎17	28♓ 2	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n11	11s25	5n 9	20n39	1n35	12n18	1n29	13n54	1n 7	8s 9	1n 8	8n 8	1n56	13n42	0n42	7s 5	1n44	3n30	14s32	12n37	12n25	0s24	2n57	3n37
S 2	17 56	14 27	5 16	20 12	1 39	11 51	1 28	13 41	1 7	8 12	1 8	8 5	1 56	13 40	0 42	7 5	1 44	3 30	14 33	12 38	12 26	0 26	2 56	3 37
M 3	17 40	16 53	5 8	19 43	1 42	11 23	1 27	13 28	1 6	8 15	1 8	8 3	1 56	13 39	0 42	7 6	1 44	3 30	14 33	12 38	12 27	0 28	2 56	3 37
T 4	17 25	18 33	4 44	19 11	1 44	10 56	1 26	13 14	1 6	8 18	1 8	8 0	1 56	13 38	0 42	7 6	1 44	3 29	14 33	12 39	12 28	0 30	2 55	3 37
W 5	17 9	19 16	4 5	18 38	1 45	10 28	1 25	13 1	1 6	8 21	1 7	7 57	1 56	13 37	0 42	7 7	1 44	3 29	14 33	12 39	12 29	0 32	2 55	3 37
T 6	16 52	18 54	3 10	18 3	1 46	9 59	1 24	12 47	1 5	8 24	1 7	7 55	1 56	13 35	0 42	7 7	1 44	3 29	14 34	12 40	12 30	0 34	2 54	3 37
F 7	16 36	17 21	2 3	17 27	1 46	9 31	1 23	12 34	1 5	8 27	1 7	7 52	1 56	13 34	0 42	7 7	1 44	3 29	14 34	12 40	12 31	0 36	2 53	3 37
S 8	16 19	14 41	0 47	16 50	1 45	9 2	1 22	12 20	1 5	8 30	1 7	7 49	1 56	13 33	0 42	7 8	1 44	3 29	14 34	12 41	12 32	0 38	2 53	3 37
S 9	16 2	11 3	0s34	16 11	1 44	8 33	1 21	12 6	1 5	8 33	1 7	7 47	1 56	13 32	0 42	7 8	1 44	3 28	14 35	12 41	12 34	0 40	2 52	3 37
M10	15 45	6 43	1 53	15 31	1 43	8 4	1 19	11 53	1 4	8 36	1 6	7 44	1 56	13 30	0 42	7 9	1 44	3 28	14 35	12 41	12 35	0 42	2 51	3 37
T 11	15 27	1 59	3 5	14 50	1 40	7 35	1 18	11 39	1 4	8 39	1 6	7 41	1 56	13 29	0 42	7 9	1 44	3 28	14 35	12 40	12 36	0 45	2 51	3 37
W12	15 9	2n50	4 4	14 9	1 37	7 5	1 16	11 25	1 4	8 43	1 6	7 39	1 56	13 28	0 42	7 10	1 44	3 28	14 35	12 40	12 37	0 47	2 50	3 37
T 13	14 51	7 25	4 47	13 27	1 34	6 35	1 15	11 10	1 4	8 46	1 6	7 36	1 56	13 27	0 42	7 10	1 44	3 27	14 36	12 40	12 38	0 49	2 49	3 38
F 14	14 33	11 30	5 11	12 44	1 30	6 5	1 13	10 56	1 3	8 49	1 5	7 33	1 56	13 25	0 42	7 11	1 44	3 27	14 36	12 40	12 39	0 51	2 48	3 38
S 15	14 14	14 53	5 17	12 0	1 26	5 35	1 12	10 42	1 3	8 53	1 5	7 30	1 56	13 24	0 42	7 11	1 44	3 27	14 36	12 40	12 40	0 53	2 48	3 38
S 16	13 55	17 22	5 5	11 17	1 21	5 5	1 10	10 28	1 3	8 56	1 5	7 27	1 56	13 23	0 42	7 12	1 44	3 27	14 36	12 40	12 41	0 55	2 47	3 38
M17	13 36	18 50	4 36	10 33	1 16	4 34	1 8	10 13	1 2	9 0	1 5	7 25	1 56	13 21	0 42	7 12	1 44	3 27	14 37	12 40	12 42	0 57	2 46	3 38
T 18	13 17	19 16	3 53	9 48	1 11	4 4	1 6	9 59	1 2	9 3	1 5	7 22	1 55	13 20	0 42	7 13	1 44	3 26	14 37	12 40	12 43	0 59	2 45	3 38
W19	12 57	18 41	2 59	9 4	1 5	3 33	1 4	9 44	1 2	9 7	1 4	7 19	1 55	13 19	0 42	7 14	1 43	3 26	14 37	12 40	12 44	1 1	2 44	3 38
T 20	12 38	17 10	1 57	8 19	0 59	3 2	1 2	9 30	1 2	9 10	1 4	7 16	1 55	13 18	0 42	7 14	1 43	3 26	14 38	12 40	12 45	1 3	2 44	3 38
F 21	12 18	14 50	0 51	7 34	0 53	2 31	1 0	9 15	1 1	9 14	1 4	7 13	1 55	13 16	0 42	7 15	1 43	3 25	14 38	12 40	12 47	1 5	2 43	3 38
S 22	11 58	11 52	0n17	6 50	0 47	2 0	0 58	9 0	1 1	9 17	1 4	7 11	1 55	13 15	0 42	7 15	1 43	3 25	14 38	12 40	12 48	1 7	2 42	3 38
S 23	11 38	8 27	1 23	6 5	0 40	1 29	0 56	8 46	1 1	9 21	1 4	7 8	1 55	13 14	0 42	7 16	1 43	3 25	14 38	12 40	12 49	1 9	2 41	3 38
M24	11 17	4 43	2 25	5 20	0 33	0 58	0 54	8 31	1 0	9 25	1 4	7 5	1 55	13 12	0 42	7 16	1 43	3 25	14 39	12 40	12 50	1 11	2 40	3 38
T 25	10 57	0 50	3 20	4 36	0 26	0 27	0 51	8 16	1 0	9 28	1 3	7 2	1 55	13 11	0 42	7 17	1 43	3 24	14 39	12 40	12 51	1 13	2 39	3 38
W26	10 36	3s 4	4 6	3 52	0 18	0s 4	0 49	8 1	1 0	9 32	1 3	6 59	1 55	13 10	0 42	7 18	1 43	3 24	14 39	12 41	12 52	1 15	2 38	3 38
T 27	10 15	6 50	4 42	3 8	0 11	0 35	0 47	7 46	0 59	9 36	1 3	6 56	1 55	13 9	0 42	7 18	1 43	3 24	14 39	12 41	12 53	1 17	2 37	3 38
F 28	9 54	10 22	5 6	2 24	0 3	1 6	0 44	7 31	0 59	9 40	1 3	6 53	1 55	13 7	0 42	7 19	1 43	3 23	14 40	12 41	12 54	1 19	2 36	3 38
S 29	9 32	13 30	5 16	1 40	0s 5	1 38	0 42	7 16	0 59	9 43	1 3	6 51	1 55	13 6	0 42	7 20	1 43	3 23	14 40	12 41	12 55	1 21	2 35	3 38
S 30	9 11	16 7	5 13	0 57	0 12	2 9	0 39	7 1	0 58	9 47	1 2	6 48	1 55	13 5	0 42	7 20	1 43	3 23	14 40	12 42	12 56	1 23	2 34	3 38
M31	8n49	18s 2	4n55	0n14	0s20	2s40	0n36	6n46	0n58	9s51	1n 2	6n45	1n55	13n 4	0n42	7s21	1n43	3n22	14s41	12n41	12n57	1s25	2n33	3n38

Julian Day Number = 2315156.5, Delta T = 60.76 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'42, Lahiri = 18°38'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

SEPTEMBER 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 40 13	8♍20'16	0♑47	0♎ 4	9♎19	15♍47	28♎16	17♍33	27♌28	22♎59	19°R 3	26♌33	25♌43	12♎23	27°R59	T 1
W 2	22 44 9	9°18'30	14° 3	1°31	10°32	16°25	28°27	17°41	27°32	23° 1	19♉ 3	26°34	25°40	12°30	27♓57	W 2
T 3	22 48 6	10°16'45	27°44	2°56	11°45	17° 4	28°38	17°48	27°36	23° 2	19° 3	26°35	25°36	12°37	27°54	T 3
F 4	22 52 2	11°15'02	11♒52	4°20	12°57	17°42	28°48	17°56	27°39	23° 4	19° 2	26°36	25°33	12°43	27°52	F 4
S 5	22 55 59	12°13'21	26°24	5°42	14°10	18°21	28°59	18° 3	27°43	23° 6	19° 2	26°R37	25°30	12°50	27°49	S 5
S 6	22 59 56	13°11'41	11♓15	7° 3	15°22	19° 0	29°10	18°11	27°47	23° 8	19° 2	26°36	25°27	12°57	27°46	S 6
M 7	23 3 52	14°10'03	26°18	8°23	16°35	19°38	29°21	18°18	27°50	23°10	19° 1	26°35	25°24	13° 3	27°44	M 7
T 8	23 7 49	15° 8'27	11♈24	9°41	17°47	20°17	29°32	18°26	27°54	23°11	19° 1	26°33	25°21	13°10	27°41	T 8
W 9	23 11 45	16° 6'53	26°24	10°57	18°59	20°56	29°43	18°33	27°58	23°13	19° 1	26°31	25°17	13°17	27°38	W 9
T 10	23 15 42	17° 5'21	11♉ 9	12°12	20°12	21°34	29°54	18°41	28° 1	23°15	19° 0	26°28	25°14	13°23	27°35	T 10
F 11	23 19 38	18° 3'52	25°35	13°26	21°24	22°13	0♏ 5	18°48	28° 5	23°17	19° 0	26°26	25°11	13°30	27°33	F 11
S 12	23 23 35	19° 2'24	9♊37	14°37	22°37	22°52	0°16	18°56	28° 8	23°19	18°59	26°25	25° 8	13°37	27°30	S 12
S 13	23 27 31	20° 0'59	23°15	15°47	23°49	23°31	0°28	19° 3	28°12	23°21	18°59	26°D24	25° 5	13°43	27°27	S 13
M14	23 31 28	20°59'37	6♋29	16°55	25° 1	24°10	0°39	19°11	28°16	23°23	18°58	26°25	25° 2	13°50	27°24	M14
T 15	23 35 25	21°58'16	19°24	18° 1	26°13	24°48	0°51	19°18	28°19	23°25	18°58	26°27	24°58	13°57	27°21	T 15
W16	23 39 21	22°56'58	2♌ 0	19° 4	27°26	25°27	1° 2	19°26	28°23	23°27	18°57	26°28	24°55	14° 4	27°19	W16
T 17	23 43 18	23°55'41	14°23	20° 6	28°38	26° 6	1°14	19°33	28°26	23°29	18°57	26°30	24°52	14°10	27°16	T 17
F 18	23 47 14	24°54'27	26°34	21° 5	29°50	26°45	1°26	19°40	28°30	23°31	18°56	26°R30	24°49	14°17	27°13	F 18
S 19	23 51 11	25°53'15	8♍36	22° 1	1♏ 2	27°24	1°37	19°48	28°33	23°33	18°55	26°30	24°46	14°24	27°10	S 19
S 20	23 55 7	26°52'06	20°33	22°54	2°14	28° 3	1°49	19°55	28°36	23°35	18°55	26°27	24°42	14°30	27° 7	S 20
M21	23 59 4	27°50'58	2♎25	23°44	3°26	28°42	2° 1	20° 3	28°40	23°37	18°54	26°24	24°39	14°37	27° 5	M21
T 22	0 3 0	28°49'52	14°16	24°31	4°38	29°21	2°13	20°10	28°43	23°39	18°53	26°18	24°36	14°44	27° 2	T 22
W23	0 6 57	29°48'48	26° 5	25°14	5°50	0♎ 0	2°25	20°18	28°47	23°41	18°53	26°12	24°33	14°50	26°59	W23
T 24	0 10 53	0♎47'46	7♏57	25°53	7° 2	0°39	2°37	20°25	28°50	23°43	18°52	26° 6	24°30	14°57	26°56	T 24
F 25	0 14 50	1°46'46	19°52	26°27	8°14	1°18	2°49	20°33	28°53	23°45	18°51	26° 0	24°27	15° 4	26°53	F 25
S 26	0 18 47	2°45'48	1♐55	26°57	9°26	1°58	3° 1	20°40	28°57	23°47	18°51	25°55	24°23	15°10	26°51	S 26
S 27	0 22 43	3°44'51	14° 8	27°22	10°38	2°37	3°13	20°47	29° 0	23°50	18°50	25°51	24°20	15°17	26°48	S 27
M28	0 26 40	4°43'57	26°35	27°41	11°50	3°16	3°26	20°55	29° 3	23°52	18°49	25°49	24°17	15°24	26°45	M28
T 29	0 30 36	5°43'04	9♑20	27°55	13° 1	3°55	3°38	21° 2	29° 6	23°54	18°48	25°D49	24°14	15°30	26°42	T 29
W30	0 34 33	6♎42'13	22♑28	28°R 2	14♏13	4♎35	3♏50	21♍ 9	29♌ 9	23♎56	18♉48	25♌50	24♌11	15♎37	26♓39	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n28	19s 7	4n22	0s28	0s29	3s11	0n34	6n30	0n58	9s55	1n 2	6n42	1n55	13n 2	0n42	7s22	1n43	3n22	14s41	12n41	12n58	1s27	2n32	3n38
W 2	8 6	19 11	3 35	1 10	0 37	3 42	0 31	6 15	0 57	9 59	1 2	6 39	1 55	13 1	0 42	7 22	1 43	3 22	14 41	12 41	12 59	1 29	2 31	3 38
T 3	7 44	18 9	2 33	1 51	0 45	4 13	0 28	6 0	0 57	10 3	1 2	6 36	1 56	13 0	0 42	7 23	1 43	3 22	14 41	12 41	13 1	1 31	2 30	3 38
F 4	7 22	15 58	1 21	2 32	0 53	4 44	0 26	5 44	0 57	10 7	1 2	6 33	1 56	12 58	0 42	7 24	1 43	3 21	14 42	12 40	13 2	1 33	2 29	3 38
S 5	6 59	12 43	0 1	3 13	1 1	5 15	0 23	5 29	0 56	10 11	1 1	6 30	1 56	12 57	0 42	7 24	1 43	3 21	14 42	12 40	13 3	1 35	2 28	3 38
S 6	6 37	8 36	1s20	3 52	1 10	5 46	0 20	5 13	0 56	10 15	1 1	6 27	1 56	12 56	0 42	7 25	1 43	3 21	14 42	12 40	13 4	1 37	2 27	3 38
M 7	6 15	3 52	2 37	4 31	1 18	6 16	0 17	4 58	0 56	10 19	1 1	6 24	1 56	12 55	0 42	7 26	1 43	3 20	14 42	12 41	13 5	1 39	2 26	3 38
T 8	5 52	1n 6	3 43	5 10	1 26	6 47	0 14	4 42	0 55	10 23	1 1	6 22	1 56	12 53	0 42	7 26	1 43	3 20	14 43	12 41	13 6	1 41	2 25	3 38
W 9	5 29	5 58	4 33	5 48	1 35	7 17	0 11	4 27	0 55	10 27	1 1	6 19	1 56	12 52	0 43	7 27	1 43	3 19	14 43	12 42	13 7	1 44	2 23	3 38
T 10	5 7	10 23	5 4	6 25	1 43	7 47	0 8	4 11	0 55	10 31	1 1	6 16	1 56	12 51	0 43	7 28	1 43	3 19	14 43	12 43	13 8	1 46	2 22	3 38
F 11	4 44	14 5	5 15	7 1	1 51	8 17	0 5	3 56	0 54	10 35	1 0	6 13	1 56	12 50	0 43	7 29	1 43	3 19	14 43	12 44	13 9	1 48	2 21	3 38
S 12	4 21	16 53	5 7	7 36	1 59	8 47	0 2	3 40	0 54	10 39	1 0	6 10	1 56	12 49	0 43	7 29	1 43	3 18	14 44	12 44	13 10	1 50	2 20	3 38
S 13	3 58	18 38	4 41	8 10	2 7	9 17	0s 2	3 24	0 54	10 43	1 0	6 7	1 56	12 47	0 43	7 30	1 43	3 18	14 44	12 44	13 11	1 52	2 19	3 38
M14	3 35	19 18	4 1	8 44	2 15	9 47	0 5	3 8	0 53	10 47	1 0	6 4	1 56	12 46	0 43	7 31	1 43	3 18	14 44	12 44	13 12	1 54	2 18	3 38
T 15	3 11	18 57	3 10	9 16	2 22	10 16	0 8	2 53	0 53	10 51	1 0	6 1	1 56	12 45	0 43	7 31	1 42	3 17	14 44	12 44	13 13	1 56	2 17	3 38
W16	2 48	17 38	2 11	9 48	2 30	10 45	0 11	2 37	0 53	10 55	1 0	5 58	1 56	12 44	0 43	7 32	1 42	3 17	14 44	12 43	13 14	1 58	2 16	3 38
T 17	2 25	15 30	1 6	10 18	2 37	11 14	0 14	2 21	0 52	11 0	1 0	5 55	1 56	12 42	0 43	7 33	1 42	3 17	14 45	12 43	13 16	2 0	2 14	3 38
F 18	2 2	12 41	0n 0	10 47	2 44	11 43	0 18	2 5	0 52	11 4	0 59	5 53	1 56	12 41	0 43	7 34	1 42	3 16	14 45	12 42	13 17	2 2	2 13	3 38
S 19	1 38	9 23	1 6	11 14	2 51	12 11	0 21	1 49	0 52	11 8	0 59	5 50	1 56	12 40	0 43	7 35	1 42	3 16	14 45	12 43	13 18	2 4	2 12	3 38
S 20	1 15	5 43	2 8	11 40	2 58	12 39	0 24	1 34	0 51	11 12	0 59	5 47	1 56	12 39	0 43	7 35	1 42	3 16	14 45	12 43	13 19	2 6	2 11	3 38
M21	0 51	1 51	3 4	12 4	3 4	13 7	0 28	1 18	0 51	11 16	0 59	5 44	1 56	12 38	0 43	7 36	1 42	3 15	14 46	12 45	13 20	2 8	2 10	3 37
T 22	0 28	2s 4	3 52	12 27	3 9	13 35	0 31	1 2	0 50	11 21	0 59	5 41	1 56	12 37	0 43	7 37	1 42	3 15	14 46	12 46	13 21	2 10	2 8	3 37
W23	0 4	5 54	4 29	12 48	3 15	14 2	0 34	0 46	0 50	11 25	0 59	5 38	1 56	12 35	0 43	7 38	1 42	3 14	14 46	12 48	13 22	2 12	2 7	3 37
T 24	0s19	9 31	4 56	13 7	3 20	14 29	0 38	0 30	0 50	11 29	0 59	5 35	1 57	12 34	0 43	7 38	1 42	3 14	14 46	12 51	13 23	2 14	2 6	3 37
F 25	0 43	12 47	5 9	13 24	3 24	14 56	0 41	0 14	0 49	11 33	0 59	5 32	1 57	12 33	0 43	7 39	1 42	3 14	14 46	12 53	13 24	2 16	2 5	3 37
S 26	1 6	15 32	5 9	13 38	3 28	15 22	0 44	0s 2	0 49	11 38	0 58	5 30	1 57	12 32	0 43	7 40	1 42	3 13	14 47	12 54	13 25	2 18	2 4	3 37
S 27	1 30	17 39	4 55	13 50	3 30	15 48	0 48	0 18	0 49	11 42	0 58	5 27	1 57	12 31	0 43	7 41	1 42	3 13	14 47	12 56	13 26	2 20	2 2	3 37
M28	1 53	18 59	4 27	13 59	3 33	16 13	0 51	0 34	0 48	11 46	0 58	5 24	1 57	12 30	0 43	7 42	1 42	3 13	14 47	12 56	13 27	2 22	2 1	3 37
T 29	2 17	19 24	3 46	14 5	3 34	16 39	0 54	0 50	0 48	11 51	0 58	5 21	1 57	12 29	0 43	7 42	1 42	3 12	14 47	12 56	13 28	2 24	2 0	3 37
W30	2s40	18s48	2n51	14s 7	3s34	17s 3	0s58	1s 6	0n47	11s55	0n58	5n18	1n57	12n28	0n43	7s43	1n42	3n12	14s47	12n56	13n29	2s27	1n59	3n37

Julian Day Number = 2315187.5, Delta T = 60.69 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'47, Lahiri = 18°38'47Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1626
geocentric

OCTOBER 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 38 29	7♎41'24	6♒ 1	28°R 2	15♏25	5♎14	4♏ 3	21♍17	29♌13	23♎58	18°R47	25♌51	24♌ 7	15♎44	26°R37	T 1
F 2	0 42 26	8°40'37	20° 1	27♎54	16°37	5°53	4°15	21°24	29°16	24° 0	18♉46	25°R52	24° 4	15°51	26♓34	F 2
S 3	0 46 22	9°39'51	4♓29	27°39	17°48	6°33	4°28	21°31	29°19	24° 2	18°45	25°52	24° 1	15°57	26°31	S 3
S 4	0 50 19	10°39'08	19°21	27°16	19° 0	7°12	4°40	21°38	29°22	24° 5	18°44	25°50	23°58	16° 4	26°29	S 4
M 5	0 54 16	11°38'26	4♈30	26°45	20°11	7°51	4°53	21°46	29°25	24° 7	18°43	25°46	23°55	16°11	26°26	M 5
T 6	0 58 12	12°37'46	19°49	26° 5	21°23	8°31	5° 5	21°53	29°28	24° 9	18°43	25°40	23°52	16°17	26°23	T 6
W 7	1 2 9	13°37'08	5♉ 5	25°18	22°34	9°10	5°18	22° 0	29°31	24°11	18°42	25°33	23°48	16°24	26°21	W 7
T 8	1 6 5	14°36'33	20° 8	24°23	23°45	9°50	5°31	22° 7	29°34	24°13	18°41	25°25	23°45	16°31	26°18	T 8
F 9	1 10 2	15°35'59	4♊49	23°21	24°57	10°29	5°44	22°14	29°37	24°16	18°40	25°19	23°42	16°37	26°15	F 9
S 10	1 13 58	16°35'29	19° 3	22°14	26° 8	11° 9	5°56	22°21	29°39	24°18	18°39	25°14	23°39	16°44	26°13	S 10
S 11	1 17 55	17°35'00	2♋48	21° 3	27°19	11°48	6° 9	22°28	29°42	24°20	18°38	25°11	23°36	16°51	26°10	S 11
M12	1 21 51	18°34'34	16° 4	19°49	28°30	12°28	6°22	22°35	29°45	24°22	18°37	25°D 9	23°33	16°58	26° 8	M12
T 13	1 25 48	19°34'10	28°55	18°36	29°41	13° 8	6°35	22°42	29°48	24°25	18°36	25°10	23°29	17° 4	26° 5	T 13
W14	1 29 45	20°33'49	11♌25	17°24	0♐52	13°47	6°48	22°49	29°51	24°27	18°35	25°11	23°26	17°11	26° 3	W14
T 15	1 33 41	21°33'29	23°39	16°16	2° 3	14°27	7° 1	22°56	29°53	24°29	18°34	25°R11	23°23	17°18	26° 0	T 15
F 16	1 37 38	22°33'12	5♍42	15°14	3°14	15° 7	7°14	23° 3	29°56	24°31	18°33	25°11	23°20	17°24	25°58	F 16
S 17	1 41 34	23°32'57	17°36	14°21	4°25	15°47	7°27	23°10	29°58	24°34	18°32	25° 8	23°17	17°31	25°55	S 17
S 18	1 45 31	24°32'44	29°27	13°36	5°36	16°27	7°40	23°17	0♍ 1	24°36	18°31	25° 3	23°13	17°38	25°53	S 18
M19	1 49 27	25°32'34	11♎16	13° 2	6°46	17° 6	7°53	23°23	0° 4	24°38	18°30	24°55	23°10	17°44	25°51	M19
T 20	1 53 24	26°32'25	23° 7	12°39	7°57	17°46	8° 6	23°30	0° 6	24°40	18°29	24°44	23° 7	17°51	25°48	T 20
W21	1 57 20	27°32'19	5♏ 0	12°28	9° 8	18°26	8°19	23°37	0° 8	24°43	18°28	24°32	23° 4	17°58	25°46	W21
T 22	2 1 17	28°32'14	16°56	12°D28	10°18	19° 6	8°32	23°43	0°11	24°45	18°27	24°20	23° 1	18° 4	25°44	T 22
F 23	2 5 14	29°32'11	28°59	12°39	11°29	19°46	8°45	23°50	0°13	24°47	18°26	24° 7	22°58	18°11	25°41	F 23
S 24	2 9 10	0♏32'10	11♐ 8	13° 0	12°39	20°26	8°58	23°57	0°15	24°49	18°25	23°57	22°54	18°18	25°39	S 24
S 25	2 13 7	1°32'11	23°26	13°31	13°49	21° 6	9°11	24° 3	0°18	24°52	18°24	23°48	22°51	18°25	25°37	S 25
M26	2 17 3	2°32'14	5♑55	14°11	15° 0	21°46	9°24	24°10	0°20	24°54	18°23	23°42	22°48	18°31	25°35	M26
T 27	2 21 0	3°32'18	18°39	15° 0	16°10	22°27	9°37	24°16	0°22	24°56	18°22	23°39	22°45	18°38	25°33	T 27
W28	2 24 56	4°32'24	1♒41	15°55	17°20	23° 7	9°51	24°22	0°24	24°58	18°21	23°D38	22°42	18°45	25°31	W28
T 29	2 28 53	5°32'31	15° 4	16°57	18°30	23°47	10° 4	24°29	0°26	25° 0	18°20	23°38	22°39	18°51	25°29	T 29
F 30	2 32 49	6°32'40	28°52	18° 4	19°40	24°27	10°17	24°35	0°28	25° 3	18°18	23°R38	22°35	18°58	25°27	F 30
S 31	2 36 46	7♏32'50	13♓ 5	19♎16	20♐50	25♎ 7	10♏30	24♍41	0♍30	25♎ 5	18♉17	23♌37	22♌32	19♎ 5	25♓25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	3s 3	17s 6	1n46	14s 6	3s33	17s28	1s 1	1s22	0n47	11s59	0n58	5n16	1n57	12n27	0n43	7s44	1n42	3n11	14s48	12n56	13n30	2s29	1n58	3n37	
F 2	3 27	14 20	0 32	14 2	3 31	17 52	1 5	1 38	0 47	12 3	0 58	5 13	1 57	12 25	0 43	7 45	1 42	3 11	14 48	12 55	13 31	2 31	1 56	3 36	
S 3	3 50	10 36	0s46	13 53	3 27	18 15	1 8	1 54	0 46	12 8	0 58	5 10	1 57	12 24	0 43	7 46	1 42	3 11	14 48	12 55	13 32	2 33	1 55	3 36	
S 4	4 13	6 7	2 4	13 40	3 22	18 39	1 11	2 10	0 46	12 12	0 58	5 7	1 57	12 23	0 43	7 46	1 42	3 10	14 48	12 56	13 34	2 35	1 54	3 36	
M 5	4 37	1 10	3 13	13 22	3 15	19 1	1 14	2 26	0 45	12 16	0 57	5 4	1 58	12 22	0 43	7 47	1 42	3 10	14 48	12 57	13 35	2 37	1 53	3 36	
T 6	5 0	3n54	4 10	12 59	3 7	19 23	1 18	2 42	0 45	12 21	0 57	5 2	1 58	12 21	0 43	7 48	1 42	3 10	14 48	12 59	13 36	2 39	1 52	3 36	
W 7	5 23	8 43	4 48	12 32	2 56	19 45	1 21	2 57	0 45	12 25	0 57	4 59	1 58	12 20	0 43	7 49	1 42	3 9	14 49	13 2	13 37	2 41	1 51	3 36	
T 8	5 46	12 53	5 6	12 1	2 44	20 6	1 24	3 13	0 44	12 29	0 57	4 56	1 58	12 19	0 43	7 50	1 42	3 9	14 49	13 4	13 38	2 43	1 49	3 36	
F 9	6 9	16 10	5 3	11 25	2 30	20 27	1 27	3 29	0 44	12 34	0 57	4 54	1 58	12 18	0 43	7 51	1 42	3 8	14 49	13 7	13 39	2 45	1 48	3 36	
S 10	6 32	18 21	4 41	10 45	2 14	20 47	1 31	3 45	0 43	12 38	0 57	4 51	1 58	12 17	0 43	7 51	1 42	3 8	14 49	13 8	13 40	2 47	1 47	3 35	
S 11	6 55	19 23	4 4	10 2	1 57	21 7	1 34	4 1	0 43	12 42	0 57	4 48	1 58	12 16	0 43	7 52	1 42	3 8	14 49	13 9	13 41	2 49	1 46	3 35	
M12	7 18	19 18	3 14	9 17	1 38	21 26	1 37	4 17	0 43	12 47	0 57	4 46	1 58	12 15	0 43	7 53	1 42	3 7	14 49	13 10	13 42	2 51	1 45	3 35	
T 13	7 40	18 11	2 16	8 31	1 18	21 45	1 40	4 33	0 42	12 51	0 57	4 43	1 59	12 14	0 43	7 54	1 42	3 7	14 49	13 10	13 43	2 53	1 44	3 35	
W14	8 3	16 13	1 13	7 44	0 58	22 3	1 43	4 49	0 42	12 55	0 57	4 40	1 59	12 14	0 43	7 55	1 42	3 7	14 50	13 9	13 44	2 55	1 42	3 35	
T 15	8 25	13 32	0 8	6 59	0 37	22 21	1 46	5 4	0 41	12 59	0 56	4 38	1 59	12 13	0 43	7 55	1 42	3 6	14 50	13 9	13 45	2 57	1 41	3 35	
F 16	8 48	10 19	0n56	6 16	0 17	22 38	1 49	5 20	0 41	13 4	0 56	4 35	1 59	12 12	0 43	7 56	1 42	3 6	14 50	13 9	13 46	3 0	1 40	3 34	
S 17	9 10	6 42	1 57	5 37	0n 3	22 54	1 52	5 36	0 40	13 8	0 56	4 32	1 59	12 11	0 43	7 57	1 42	3 5	14 50	13 10	13 47	3 2	1 39	3 34	
S 18	9 32	2 51	2 52	5 2	0 22	23 10	1 55	5 52	0 40	13 12	0 56	4 30	1 59	12 10	0 43	7 58	1 42	3 5	14 50	13 12	13 48	3 4	1 38	3 34	
M19	9 54	1s 5	3 40	4 33	0 40	23 25	1 58	6 7	0 40	13 17	0 56	4 27	1 59	12 9	0 44	7 59	1 42	3 5	14 50	13 15	13 49	3 6	1 37	3 34	
T 20	10 15	5 0	4 18	4 9	0 56	23 40	2 1	6 23	0 39	13 21	0 56	4 25	2 0	12 8	0 44	8 0	1 42	3 4	14 50	13 18	13 50	3 8	1 36	3 34	
W21	10 37	8 44	4 45	3 50	1 11	23 53	2 3	6 39	0 39	13 25	0 56	4 22	2 0	12 7	0 44	8 0	1 42	3 4	14 50	13 22	13 51	3 10	1 35	3 34	
T 22	10 59	12 8	5 0	3 38	1 24	24 7	2 6	6 54	0 38	13 29	0 56	4 20	2 0	12 7	0 44	8 1	1 42	3 4	14 50	13 26	13 52	3 12	1 34	3 33	
F 23	11 20	15 4	5 1	3 32	1 36	24 19	2 9	7 10	0 38	13 34	0 56	4 17	2 0	12 6	0 44	8 2	1 42	3 3	14 50	13 30	13 53	3 14	1 33	3 33	
S 24	11 41	17 23	4 49	3 32	1 45	24 31	2 11	7 25	0 37	13 38	0 56	4 15	2 0	12 5	0 44	8 3	1 42	3 3	14 50	13 34	13 54	3 16	1 32	3 33	
S 25	12 2	18 56	4 23	3 36	1 53	24 43	2 14	7 41	0 37	13 42	0 56	4 12	2 0	12 4	0 44	8 4	1 42	3 3	14 51	13 37	13 55	3 18	1 31	3 33	
M26	12 23	19 37	3 45	3 46	2 0	24 53	2 16	7 56	0 36	13 46	0 56	4 10	2 0	12 4	0 44	8 4	1 42	3 2	14 51	13 39	13 57	3 20	1 30	3 33	
T 27	12 43	19 18	2 54	4 0	2 5	25 4	2 18	8 12	0 36	13 51	0 56	4 8	2 1	12 3	0 44	8 5	1 42	3 2	14 51	13 40	13 58	3 22	1 29	3 32	
W28	13 4	17 58	1 54	4 18	2 8	25 13	2 21	8 27	0 35	13 55	0 56	4 5	2 1	12 2	0 44	8 6	1 42	3 2	14 51	13 40	13 59	3 24	1 28	3 32	
T 29	13 24	15 37	0 45	4 39	2 11	25 21	2 23	8 42	0 35	13 59	0 55	4 3	2 1	12 1	0 44	8 7	1 42	3 1	14 51	13 40	14 0	3 26	1 27	3 32	
F 30	13 44	12 19	0s28	5 4	2 12	25 29	2 25	8 58	0 34	14 3	0 55	4 1	2 1	12 1	0 44	8 8	1 42	3 1	14 51	13 40	14 1	3 28	1 26	3 32	
S 31	14s 3	8s13	1s41	5s31	2n12	25s37	2s27	9s13	0n34	14s 7	0n55	3n58	2n 1	12n 0	0n44	8s 8	1n42	3n 1	14s51	13n40	14n 2	3s30	1n25	3n32	

Julian Day Number = 2315217.5, Delta T = 60.62 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'51, Lahiri = 18°38'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

NOVEMBER 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 40 42	8♏33'02	27♓43	20♎32	21♐59	25♎48	10♏43	24♍47	0♍32	25♎ 7	18°R16	23°R34	22♌29	19♎11	25°R23	S 1
M 2	2 44 39	9°33'15	12♈42	21°52	23° 9	26°28	10°57	24°53	0°34	25° 9	18♉15	23♌27	22°26	19°18	25♓21	M 2
T 3	2 48 36	10°33'30	27°55	23°15	24°18	27° 8	11°10	24°59	0°36	25°11	18°14	23°18	22°23	19°25	25°20	T 3
W 4	2 52 32	11°33'47	13♉10	24°40	25°28	27°49	11°23	25° 5	0°38	25°14	18°13	23° 7	22°19	19°32	25°18	W 4
T 5	2 56 29	12°34'06	28°18	26° 7	26°37	28°29	11°36	25°11	0°40	25°16	18°12	22°56	22°16	19°38	25°16	T 5
F 6	3 0 25	13°34'26	13♊ 7	27°36	27°46	29°10	11°49	25°17	0°41	25°18	18°11	22°45	22°13	19°45	25°15	F 6
S 7	3 4 22	14°34'49	27°31	29° 6	28°55	29°50	12° 3	25°23	0°43	25°20	18°10	22°36	22°10	19°52	25°13	S 7
S 8	3 8 18	15°35'13	11♋24	0♏38	0♑ 4	0♏31	12°16	25°28	0°44	25°22	18° 8	22°30	22° 7	19°58	25°11	S 8
M 9	3 12 15	16°35'39	24°48	2°10	1°13	1°11	12°29	25°34	0°46	25°24	18° 7	22°27	22° 4	20° 5	25°10	M 9
T 10	3 16 12	17°36'07	7♌43	3°43	2°22	1°52	12°42	25°39	0°48	25°26	18° 6	22°25	22° 0	20°12	25° 8	T 10
W11	3 20 8	18°36'37	20°15	5°17	3°30	2°32	12°56	25°45	0°49	25°29	18° 5	22°25	21°57	20°18	25° 7	W11
T 12	3 24 5	19°37'08	2♍29	6°51	4°39	3°13	13° 9	25°50	0°50	25°31	18° 4	22°25	21°54	20°25	25° 6	T 12
F 13	3 28 1	20°37'42	14°29	8°26	5°47	3°54	13°22	25°56	0°52	25°33	18° 3	22°24	21°51	20°32	25° 4	F 13
S 14	3 31 58	21°38'17	26°21	10° 1	6°55	4°35	13°35	26° 1	0°53	25°35	18° 2	22°20	21°48	20°39	25° 3	S 14
S 15	3 35 54	22°38'54	8♎10	11°35	8° 3	5°15	13°48	26° 6	0°54	25°37	18° 0	22°14	21°44	20°45	25° 2	S 15
M16	3 39 51	23°39'32	19°59	13°10	9°11	5°56	14° 1	26°11	0°55	25°39	17°59	22° 4	21°41	20°52	25° 1	M16
T 17	3 43 47	24°40'13	1♏52	14°45	10°19	6°37	14°15	26°16	0°56	25°41	17°58	21°52	21°38	20°59	25° 0	T 17
W18	3 47 44	25°40'54	13°50	16°20	11°26	7°18	14°28	26°21	0°58	25°43	17°57	21°38	21°35	21° 5	24°59	W18
T 19	3 51 40	26°41'38	25°55	17°55	12°34	7°59	14°41	26°26	0°59	25°45	17°56	21°23	21°32	21°12	24°58	T 19
F 20	3 55 37	27°42'22	8♐ 9	19°30	13°41	8°40	14°54	26°31	1° 0	25°47	17°55	21° 9	21°29	21°19	24°57	F 20
S 21	3 59 34	28°43'08	20°31	21° 5	14°48	9°21	15° 7	26°36	1° 0	25°49	17°54	20°56	21°25	21°26	24°56	S 21
S 22	4 3 30	29°43'55	3♑ 2	22°40	15°55	10° 2	15°20	26°41	1° 1	25°51	17°53	20°45	21°22	21°32	24°55	S 22
M23	4 7 27	0♐44'44	15°43	24°15	17° 1	10°43	15°33	26°45	1° 2	25°53	17°52	20°38	21°19	21°39	24°54	M23
T 24	4 11 23	1°45'33	28°36	25°49	18° 8	11°24	15°46	26°50	1° 3	25°55	17°50	20°34	21°16	21°46	24°54	T 24
W25	4 15 20	2°46'23	11♒42	27°24	19°14	12° 5	15°59	26°54	1° 3	25°57	17°49	20°32	21°13	21°52	24°53	W25
T 26	4 19 16	3°47'15	25° 4	28°58	20°20	12°46	16°12	26°59	1° 4	25°58	17°48	20°D32	21°10	21°59	24°52	T 26
F 27	4 23 13	4°48'07	8♓44	0♐33	21°26	13°27	16°25	27° 3	1° 5	26° 0	17°47	20°R32	21° 6	22° 6	24°52	F 27
S 28	4 27 9	5°49'00	22°44	2° 7	22°32	14° 9	16°38	27° 7	1° 5	26° 2	17°46	20°31	21° 3	22°12	24°51	S 28
S 29	4 31 6	6°49'53	7♈ 3	3°41	23°37	14°50	16°51	27°11	1° 6	26° 4	17°45	20°28	21° 0	22°19	24°51	S 29
M30	4 35 3	7♐50'47	21♈41	5♐16	24♑42	15♏31	17♏ 4	27♍15	1♍ 6	26♎ 6	17♉44	20♌22	20♌57	22♎26	24♓50	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s23	3s30	2s50	6s 1	2n11	25s43	2s29	9s28	0n34	14s12	0n55	3n56	2n 2	11n59	0n44	8s 9	1n42	3n 0	14s51	13n42	14n 3	3s33	1n24	3n31
M 2	14 42	1n31	3 49	6 32	2 10	25 49	2 31	9 43	0 33	14 16	0 55	3 54	2 2	11 59	0 44	8 10	1 42	3 0	14 51	13 44	14 4	3 35	1 23	3 31
T 3	15 1	6 31	4 32	7 5	2 7	25 54	2 33	9 58	0 33	14 20	0 55	3 52	2 2	11 58	0 44	8 11	1 42	3 0	14 51	13 47	14 5	3 37	1 22	3 31
W 4	15 20	11 7	4 56	7 39	2 4	25 59	2 34	10 13	0 32	14 24	0 55	3 49	2 2	11 58	0 44	8 12	1 42	3 0	14 51	13 50	14 6	3 39	1 21	3 31
T 5	15 38	14 57	4 59	8 14	2 1	26 2	2 36	10 28	0 32	14 28	0 55	3 47	2 2	11 57	0 44	8 12	1 42	2 59	14 51	13 54	14 7	3 41	1 20	3 31
F 6	15 57	17 45	4 42	8 50	1 56	26 6	2 38	10 43	0 31	14 32	0 55	3 45	2 2	11 56	0 44	8 13	1 42	2 59	14 51	13 57	14 8	3 43	1 19	3 30
S 7	16 15	19 20	4 7	9 26	1 52	26 8	2 39	10 57	0 31	14 36	0 55	3 43	2 3	11 56	0 44	8 14	1 42	2 59	14 51	14 0	14 9	3 45	1 18	3 30
S 8	16 32	19 42	3 19	10 3	1 47	26 9	2 40	11 12	0 30	14 40	0 55	3 41	2 3	11 55	0 44	8 15	1 42	2 58	14 51	14 2	14 10	3 47	1 18	3 30
M 9	16 50	18 54	2 21	10 40	1 41	26 10	2 41	11 27	0 30	14 45	0 55	3 39	2 3	11 55	0 44	8 15	1 42	2 58	14 51	14 4	14 11	3 49	1 17	3 30
T 10	17 7	17 8	1 17	11 17	1 36	26 10	2 43	11 41	0 29	14 49	0 55	3 37	2 3	11 54	0 44	8 16	1 42	2 58	14 51	14 4	14 12	3 51	1 16	3 29
W11	17 24	14 35	0 11	11 54	1 30	26 10	2 44	11 56	0 29	14 53	0 55	3 35	2 3	11 54	0 44	8 17	1 42	2 58	14 51	14 4	14 13	3 53	1 15	3 29
T 12	17 40	11 26	0n53	12 31	1 24	26 9	2 45	12 10	0 28	14 57	0 55	3 33	2 4	11 53	0 44	8 18	1 42	2 57	14 51	14 4	14 14	3 55	1 15	3 29
F 13	17 57	7 52	1 54	13 7	1 17	26 7	2 45	12 25	0 28	15 1	0 55	3 31	2 4	11 53	0 45	8 18	1 42	2 57	14 51	14 5	14 15	3 57	1 14	3 29
S 14	18 13	4 2	2 49	13 43	1 11	26 4	2 46	12 39	0 27	15 5	0 55	3 29	2 4	11 53	0 45	8 19	1 43	2 57	14 51	14 6	14 16	4 0	1 13	3 28
S 15	18 28	0 4	3 36	14 19	1 4	26 1	2 47	12 53	0 27	15 9	0 55	3 27	2 4	11 52	0 45	8 20	1 43	2 57	14 51	14 8	14 17	4 2	1 12	3 28
M16	18 43	3s54	4 15	14 54	0 58	25 57	2 47	13 7	0 26	15 13	0 55	3 25	2 5	11 52	0 45	8 20	1 43	2 56	14 51	14 11	14 18	4 4	1 12	3 28
T 17	18 58	7 44	4 42	15 29	0 51	25 52	2 47	13 21	0 26	15 16	0 55	3 23	2 5	11 51	0 45	8 21	1 43	2 56	14 51	14 15	14 19	4 6	1 11	3 28
W18	19 13	11 18	4 57	16 3	0 44	25 46	2 48	13 35	0 25	15 20	0 55	3 22	2 5	11 51	0 45	8 22	1 43	2 56	14 50	14 19	14 20	4 8	1 10	3 27
T 19	19 27	14 26	4 58	16 37	0 37	25 40	2 48	13 49	0 24	15 24	0 55	3 20	2 5	11 51	0 45	8 23	1 43	2 56	14 50	14 24	14 21	4 10	1 10	3 27
F 20	19 41	16 59	4 47	17 9	0 30	25 34	2 48	14 2	0 24	15 28	0 55	3 18	2 5	11 50	0 45	8 23	1 43	2 55	14 50	14 29	14 22	4 12	1 9	3 27
S 21	19 55	18 48	4 21	17 41	0 23	25 26	2 47	14 16	0 23	15 32	0 55	3 17	2 6	11 50	0 45	8 24	1 43	2 55	14 50	14 33	14 23	4 14	1 9	3 27
S 22	20 8	19 44	3 43	18 13	0 16	25 18	2 47	14 29	0 23	15 36	0 55	3 15	2 6	11 50	0 45	8 25	1 43	2 55	14 50	14 36	14 24	4 16	1 8	3 26
M23	20 21	19 42	2 53	18 43	0 9	25 9	2 47	14 43	0 22	15 40	0 55	3 13	2 6	11 50	0 45	8 25	1 43	2 55	14 50	14 38	14 25	4 18	1 8	3 26
T 24	20 33	18 38	1 53	19 12	0 3	25 0	2 46	14 56	0 22	15 43	0 55	3 12	2 6	11 49	0 45	8 26	1 43	2 55	14 50	14 40	14 26	4 20	1 7	3 26
W25	20 45	16 34	0 47	19 41	0s 4	24 50	2 45	15 9	0 21	15 47	0 55	3 10	2 7	11 49	0 45	8 27	1 43	2 54	14 50	14 40	14 27	4 22	1 7	3 26
T 26	20 57	13 34	0s24	20 9	0 11	24 39	2 45	15 22	0 21	15 51	0 54	3 9	2 7	11 49	0 45	8 27	1 43	2 54	14 50	14 40	14 28	4 24	1 6	3 25
F 27	21 8	9 47	1 35	20 35	0 18	24 28	2 44	15 35	0 20	15 55	0 54	3 7	2 7	11 49	0 45	8 28	1 43	2 54	14 50	14 40	14 29	4 26	1 6	3 25
S 28	21 19	5 22	2 42	21 1	0 24	24 16	2 42	15 48	0 20	15 58	0 54	3 6	2 7	11 49	0 45	8 28	1 43	2 54	14 50	14 41	14 30	4 29	1 5	3 25
S 29	21 30	0 34	3 40	21 26	0 31	24 4	2 41	16 1	0 19	16 2	0 54	3 4	2 8	11 49	0 45	8 29	1 43	2 54	14 49	14 42	14 31	4 31	1 5	3 25
M30	21s40	4n22	4s25	21s50	0s37	23s51	2s40	16s14	0n18	16s 5	0n54	3n 3	2n 8	11n49	0n45	8s30	1n43	2n54	14s49	14n44	14n32	4s33	1n 4	3n24

Julian Day Number = 2315248.5, Delta T = 60.55 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'55, Lahiri = 18°38'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1626
geocentric

DECEMBER 1626 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 38 59	8♐51'43	6♉32	6♐50	25♋47	16♏13	17♏16	27♍19	1♍ 6	26♎ 8	17°R43	20°R14	20♌54	22♎33	24°R50	T 1
W 2	4 42 56	9°52'39	21°28	8°24	26°51	16°54	17°29	27°23	1° 7	26° 9	17♉42	20♌ 3	20°50	22°39	24♓50	W 2
T 3	4 46 52	10°53'36	6♊21	9°58	27°56	17°35	17°42	27°27	1° 7	26°11	17°41	19°52	20°47	22°46	24°50	T 3
F 4	4 50 49	11°54'34	21° 2	11°32	29° 0	18°17	17°54	27°30	1° 7	26°13	17°40	19°42	20°44	22°53	24°50	F 4
S 5	4 54 45	12°55'32	5♋23	13° 7	0♒ 3	18°58	18° 7	27°34	1° 7	26°14	17°39	19°33	20°41	22°59	24°49	S 5
S 6	4 58 42	13°56'32	19°18	14°41	1° 7	19°40	18°20	27°37	1° 7	26°16	17°38	19°27	20°38	23° 6	24°D49	S 6
M 7	5 2 39	14°57'33	2♌46	16°15	2°10	20°21	18°32	27°41	1°R 7	26°18	17°37	19°23	20°35	23°13	24°49	M 7
T 8	5 6 35	15°58'35	15°47	17°50	3°12	21° 3	18°45	27°44	1° 7	26°19	17°36	19°D22	20°31	23°20	24°50	T 8
W 9	5 10 32	16°59'38	28°24	19°25	4°15	21°45	18°57	27°47	1° 7	26°21	17°35	19°22	20°28	23°26	24°50	W 9
T 10	5 14 28	18° 0'41	10♍41	20°59	5°17	22°26	19°10	27°50	1° 7	26°23	17°34	19°23	20°25	23°33	24°50	T 10
F 11	5 18 25	19° 1'46	22°44	22°34	6°19	23° 8	19°22	27°53	1° 7	26°24	17°33	19°R23	20°22	23°40	24°50	F 11
S 12	5 22 21	20° 2'51	4♎38	24° 9	7°20	23°50	19°34	27°56	1° 6	26°26	17°32	19°22	20°19	23°46	24°50	S 12
S 13	5 26 18	21° 3'58	16°27	25°44	8°21	24°31	19°47	27°59	1° 6	26°27	17°31	19°18	20°16	23°53	24°51	S 13
M14	5 30 14	22° 5'05	28°18	27°20	9°21	25°13	19°59	28° 2	1° 6	26°29	17°30	19°12	20°12	24° 0	24°51	M14
T 15	5 34 11	23° 6'13	10♏14	28°55	10°21	25°55	20°11	28° 4	1° 5	26°30	17°29	19° 4	20° 9	24° 6	24°52	T 15
W16	5 38 8	24° 7'22	22°18	0♑31	11°21	26°37	20°23	28° 7	1° 5	26°31	17°29	18°54	20° 6	24°13	24°52	W16
T 17	5 42 4	25° 8'31	4♐32	2° 6	12°20	27°19	20°35	28° 9	1° 4	26°33	17°28	18°43	20° 3	24°20	24°53	T 17
F 18	5 46 1	26° 9'41	16°58	3°42	13°19	28° 1	20°47	28°12	1° 4	26°34	17°27	18°32	20° 0	24°27	24°54	F 18
S 19	5 49 57	27°10'51	29°35	5°18	14°17	28°43	20°59	28°14	1° 3	26°35	17°26	18°23	19°56	24°33	24°54	S 19
S 20	5 53 54	28°12'02	12♑25	6°55	15°15	29°25	21°11	28°16	1° 2	26°37	17°25	18°16	19°53	24°40	24°55	S 20
M21	5 57 50	29°13'13	25°27	8°31	16°12	0♐ 7	21°23	28°18	1° 1	26°38	17°24	18°11	19°50	24°47	24°56	M21
T 22	6 1 47	0♑14'24	8♒40	10° 7	17° 9	0°49	21°35	28°20	1° 1	26°39	17°24	18° 8	19°47	24°53	24°57	T 22
W23	6 5 43	1°15'35	22° 3	11°44	18° 5	1°31	21°46	28°21	1° 0	26°40	17°23	18°D 8	19°44	25° 0	24°58	W23
T 24	6 9 40	2°16'46	5♓38	13°20	19° 0	2°13	21°58	28°23	0°59	26°42	17°22	18° 9	19°41	25° 7	24°59	T 24
F 25	6 13 37	3°17'57	19°24	14°57	19°55	2°56	22° 9	28°25	0°58	26°43	17°21	18°10	19°37	25°14	25° 0	F 25
S 26	6 17 33	4°19'07	3♈21	16°33	20°50	3°38	22°21	28°26	0°57	26°44	17°21	18°R11	19°34	25°20	25° 1	S 26
S 27	6 21 30	5°20'18	17°29	18° 9	21°43	4°20	22°32	28°27	0°56	26°45	17°20	18°10	19°31	25°27	25° 2	S 27
M28	6 25 26	6°21'28	1♉47	19°45	22°36	5° 2	22°44	28°29	0°55	26°46	17°19	18° 8	19°28	25°34	25° 3	M28
T 29	6 29 23	7°22'38	16°12	21°21	23°28	5°45	22°55	28°30	0°53	26°47	17°18	18° 3	19°25	25°40	25° 4	T 29
W30	6 33 19	8°23'47	0♊40	22°56	24°19	6°27	23° 6	28°31	0°52	26°48	17°18	17°57	19°22	25°47	25° 6	W30
T 31	6 37 16	9♑24'57	15♊ 5	24♑30	25♒10	7♐ 9	23♏17	28♍32	0♍51	26♎49	17♉17	17♌51	19♌18	25♎54	25♓ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s49	9n 6	4s53	22s12	0s43	23s37	2s38	16s26	0n18	16s 9	0n54	3n 2	2n 8	11n48	0n45	8s30	1n43	2n54	14s49	14n46	14n34	4s35	1n 4	3n24	
W 2	21 58	13 18	5 2	22 34	0 49	23 23	2 36	16 38	0 17	16 13	0 54	3 0	2 8	11 48	0 45	8 31	1 43	2 53	14 49	14 49	14 35	4 37	1 4	3 24	
T 3	22 7	16 39	4 50	22 54	0 55	23 8	2 34	16 51	0 17	16 16	0 54	2 59	2 9	11 48	0 45	8 32	1 43	2 53	14 49	14 53	14 36	4 39	1 3	3 24	
F 4	22 16	18 53	4 18	23 13	1 1	22 53	2 32	17 3	0 16	16 20	0 54	2 58	2 9	11 48	0 45	8 32	1 43	2 53	14 49	14 56	14 37	4 41	1 3	3 23	
S 5	22 24	19 51	3 31	23 31	1 7	22 37	2 30	17 15	0 16	16 23	0 54	2 57	2 9	11 48	0 46	8 33	1 43	2 53	14 49	14 59	14 38	4 43	1 3	3 23	
S 6	22 31	19 34	2 33	23 48	1 12	22 21	2 28	17 27	0 15	16 27	0 54	2 55	2 9	11 48	0 46	8 33	1 43	2 53	14 48	15 1	14 39	4 45	1 3	3 23	
M 7	22 38	18 10	1 27	24 4	1 18	22 4	2 25	17 38	0 14	16 30	0 54	2 54	2 10	11 48	0 46	8 34	1 43	2 53	14 48	15 2	14 40	4 47	1 2	3 23	
T 8	22 45	15 50	0 19	24 18	1 23	21 47	2 22	17 50	0 14	16 34	0 54	2 53	2 10	11 48	0 46	8 34	1 43	2 53	14 48	15 3	14 41	4 49	1 2	3 22	
W 9	22 51	12 48	0n48	24 31	1 28	21 30	2 20	18 1	0 13	16 37	0 54	2 52	2 10	11 49	0 46	8 35	1 43	2 53	14 48	15 3	14 42	4 51	1 2	3 22	
T 10	22 57	9 18	1 51	24 43	1 33	21 11	2 17	18 13	0 13	16 40	0 55	2 51	2 10	11 49	0 46	8 35	1 44	2 53	14 48	15 2	14 43	4 54	1 2	3 22	
F 11	23 2	5 28	2 48	24 54	1 37	20 53	2 13	18 24	0 12	16 44	0 55	2 50	2 11	11 49	0 46	8 36	1 44	2 53	14 47	15 2	14 44	4 56	1 2	3 22	
S 12	23 7	1 29	3 37	25 3	1 42	20 34	2 10	18 35	0 11	16 47	0 55	2 49	2 11	11 49	0 46	8 36	1 44	2 52	14 47	15 3	14 45	4 58	1 2	3 21	
S 13	23 11	2s32	4 17	25 11	1 46	20 15	2 6	18 46	0 11	16 50	0 55	2 49	2 11	11 49	0 46	8 37	1 44	2 52	14 47	15 4	14 46	5 0	1 1	3 21	
M14	23 15	6 27	4 45	25 17	1 50	19 55	2 2	18 57	0 10	16 54	0 55	2 48	2 12	11 49	0 46	8 37	1 44	2 52	14 47	15 6	14 47	5 2	1 1	3 21	
T 15	23 18	10 9	5 1	25 22	1 53	19 35	1 58	19 7	0 10	16 57	0 55	2 47	2 12	11 49	0 46	8 38	1 44	2 52	14 47	15 8	14 48	5 4	1 1	3 21	
W16	23 21	13 28	5 4	25 25	1 56	19 14	1 54	19 18	0 9	17 0	0 55	2 46	2 12	11 50	0 46	8 38	1 44	2 52	14 46	15 11	14 49	5 6	1 1	3 20	
T 17	23 24	16 16	4 54	25 27	1 59	18 53	1 50	19 28	0 8	17 3	0 55	2 46	2 12	11 50	0 46	8 39	1 44	2 52	14 46	15 15	14 50	5 8	1 1	3 20	
F 18	23 26	18 23	4 29	25 28	2 2	18 32	1 45	19 38	0 8	17 6	0 55	2 45	2 13	11 50	0 46	8 39	1 44	2 52	14 46	15 18	14 51	5 10	1 1	3 20	
S 19	23 27	19 39	3 51	25 27	2 4	18 11	1 41	19 48	0 7	17 10	0 55	2 44	2 13	11 50	0 46	8 40	1 44	2 52	14 46	15 21	14 52	5 12	1 1	3 20	
S 20	23 28	19 55	3 0	25 24	2 6	17 49	1 36	19 58	0 6	17 13	0 55	2 44	2 13	11 51	0 46	8 40	1 44	2 52	14 46	15 23	14 53	5 14	1 2	3 19	
M21	23 29	19 8	1 59	25 20	2 8	17 27	1 31	20 7	0 6	17 16	0 55	2 43	2 14	11 51	0 46	8 40	1 44	2 52	14 45	15 25	14 54	5 16	1 2	3 19	
T 22	23 29	17 19	0 51	25 15	2 9	17 5	1 25	20 17	0 5	17 19	0 55	2 43	2 14	11 51	0 46	8 41	1 44	2 52	14 45	15 25	14 55	5 18	1 2	3 19	
W23	23 29	14 31	0s21	25 7	2 10	16 42	1 20	20 26	0 5	17 22	0 55	2 42	2 14	11 52	0 46	8 41	1 44	2 52	14 45	15 26	14 56	5 21	1 2	3 19	
T 24	23 28	10 55	1 33	24 59	2 10	16 20	1 14	20 35	0 4	17 25	0 55	2 42	2 14	11 52	0 46	8 42	1 44	2 52	14 45	15 25	14 57	5 23	1 2	3 18	
F 25	23 27	6 40	2 41	24 48	2 10	15 57	1 8	20 44	0 3	17 28	0 55	2 42	2 15	11 53	0 46	8 42	1 44	2 52	14 44	15 25	14 58	5 25	1 2	3 18	
S 26	23 25	2 2	3 40	24 36	2 10	15 34	1 2	20 53	0 3	17 30	0 55	2 41	2 15	11 53	0 46	8 42	1 44	2 52	14 44	15 25	14 59	5 27	1 2	3 18	
S 27	23 23	2n46	4 27	24 22	2 8	15 10	0 56	21 1	0 2	17 33	0 55	2 41	2 15	11 53	0 46	8 43	1 44	2 53	14 44	15 25	15 0	5 29	1 3	3 18	
M28	23 20	7 28	4 57	24 7	2 7	14 47	0 49	21 10	0 1	17 36	0 55	2 41	2 16	11 54	0 46	8 43	1 44	2 53	14 44	15 26	15 1	5 31	1 3	3 17	
T 29	23 17	11 46	5 9	23 50	2 5	14 23	0 42	21 18	0 1	17 39	0 55	2 41	2 16	11 54	0 47	8 43	1 45	2 53	14 43	15 27	15 2	5 33	1 3	3 17	
W30	23 13	15 24	5 2	23 32	2 2	14 0	0 35	21 26	0s 0	17 42	0 55	2 40	2 16	11 55	0 47	8 44	1 45	2 53	14 43	15 29	15 3	5 35	1 3	3 17	
T 31	23s 9	18n 5	4s36	23s12	1s58	13s36	0s28	21s34	0s 1	17s44	0n55	2n40	2n16	11n55	0n47	8s44	1n45	2n53	14s43	15n31	15n 4	5s37	1n 4	3n17	

Julian Day Number = 2315278.5, Delta T = 60.48 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°31'59, Lahiri = 18°39'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

JANUARY 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 41 12	10♉26'06	29♊22	26♉ 3	26♒ 0	7♐52	23♏28	28♍32	0°R50	26♎50	17°R16	17°R45	19♌15	26♎ 1	25♓ 9	F 1
S 2	6 45 9	11°27'15	13♋23	27°35	26°49	8°34	23°39	28°33	0♍48	26°51	17♉16	17♌40	19°12	26° 7	25°10	S 2
S 3	6 49 6	12°28'24	27° 6	29° 6	27°37	9°17	23°50	28°34	0°47	26°52	17°15	17°36	19° 9	26°14	25°12	S 3
M 4	6 53 2	13°29'32	10♌28	0♒35	28°24	9°59	24° 1	28°34	0°45	26°53	17°15	17°35	19° 6	26°21	25°13	M 4
T 5	6 56 59	14°30'41	23°27	2° 1	29°10	10°42	24°11	28°35	0°44	26°53	17°14	17°D34	19° 2	26°27	25°15	T 5
W 6	7 0 55	15°31'49	6♍ 6	3°25	29°55	11°25	24°22	28°35	0°42	26°54	17°14	17°36	18°59	26°34	25°17	W 6
T 7	7 4 52	16°32'57	18°27	4°46	0♓39	12° 7	24°32	28°35	0°41	26°55	17°13	17°37	18°56	26°41	25°18	T 7
F 8	7 8 48	17°34'05	0♎33	6° 4	1°22	12°50	24°43	28°R35	0°39	26°56	17°13	17°39	18°53	26°48	25°20	F 8
S 9	7 12 45	18°35'12	12°29	7°17	2° 4	13°33	24°53	28°35	0°37	26°56	17°12	17°40	18°50	26°54	25°22	S 9
S 10	7 16 41	19°36'20	24°21	8°25	2°45	14°16	25° 3	28°35	0°35	26°57	17°12	17°R40	18°47	27° 1	25°24	S 10
M11	7 20 38	20°37'27	6♏14	9°27	3°24	14°58	25°13	28°34	0°34	26°57	17°11	17°39	18°43	27° 8	25°26	M11
T 12	7 24 35	21°38'34	18°11	10°23	4° 3	15°41	25°23	28°34	0°32	26°58	17°11	17°37	18°40	27°14	25°28	T 12
W13	7 28 31	22°39'41	0♐17	11°11	4°39	16°24	25°33	28°33	0°30	26°59	17°10	17°33	18°37	27°21	25°30	W13
T 14	7 32 28	23°40'48	12°36	11°51	5°15	17° 7	25°43	28°33	0°28	26°59	17°10	17°29	18°34	27°28	25°32	T 14
F 15	7 36 24	24°41'54	25°11	12°21	5°49	17°50	25°53	28°32	0°26	27° 0	17°10	17°25	18°31	27°35	25°34	F 15
S 16	7 40 21	25°42'59	8♑ 2	12°42	6°22	18°33	26° 2	28°31	0°24	27° 0	17° 9	17°22	18°28	27°41	25°36	S 16
S 17	7 44 17	26°44'04	21°10	12°R52	6°53	19°16	26°12	28°30	0°22	27° 0	17° 9	17°19	18°24	27°48	25°38	S 17
M18	7 48 14	27°45'08	4♒34	12°50	7°23	19°59	26°21	28°29	0°20	27° 1	17° 9	17°18	18°21	27°55	25°41	M18
T 19	7 52 10	28°46'11	18°13	12°38	7°51	20°42	26°30	28°28	0°18	27° 1	17° 9	17°D17	18°18	28° 1	25°43	T 19
W20	7 56 7	29°47'14	2♓ 4	12°13	8°17	21°25	26°39	28°27	0°16	27° 1	17° 8	17°18	18°15	28° 8	25°45	W20
T 21	8 0 4	0♒48'15	16° 3	11°38	8°42	22° 8	26°48	28°25	0°14	27° 2	17° 8	17°19	18°12	28°15	25°48	T 21
F 22	8 4 0	1°49'15	0♈10	10°52	9° 4	22°52	26°57	28°24	0°12	27° 2	17° 8	17°20	18° 8	28°22	25°50	F 22
S 23	8 7 57	2°50'14	14°20	9°57	9°25	23°35	27° 6	28°22	0° 9	27° 2	17° 8	17°21	18° 5	28°28	25°53	S 23
S 24	8 11 53	3°51'12	28°31	8°54	9°44	24°18	27°15	28°21	0° 7	27° 2	17° 7	17°R22	18° 2	28°35	25°55	S 24
M25	8 15 50	4°52'08	12♉42	7°45	10° 0	25° 1	27°23	28°19	0° 5	27° 2	17° 7	17°22	17°59	28°42	25°58	M25
T 26	8 19 46	5°53'03	26°50	6°33	10°15	25°45	27°32	28°17	0° 3	27° 2	17° 7	17°21	17°56	28°48	26° 0	T 26
W27	8 23 43	6°53'57	10♊53	5°19	10°27	26°28	27°40	28°15	0° 0	27° 3	17° 7	17°20	17°53	28°55	26° 3	W27
T 28	8 27 39	7°54'49	24°48	4° 5	10°37	27°11	27°48	28°13	29♌58	27°R 3	17° 7	17°19	17°49	29° 2	26° 6	T 28
F 29	8 31 36	8°55'40	8♋34	2°54	10°45	27°55	27°56	28°11	29°55	27° 3	17° 7	17°17	17°46	29° 9	26° 8	F 29
S 30	8 35 33	9°56'30	22° 8	1°46	10°51	28°38	28° 4	28° 9	29°53	27° 2	17° 7	17°17	17°43	29°15	26°11	S 30
S 31	8 39 29	10♒57'18	5♌28	0♒45	10♓54	29♐22	28♏12	28♍ 6	29♌51	27♎ 2	17°D 7	17♌16	17♌40	29♎22	26♓14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23s 4	19n37	3s52	22s51	1s54	13s12	0s21	21s41	0s 1	17s47	0n55	2n40	2n17	11n56	0n47	8s44	1n45	2n53	14s43	15n33	15n 5	5s39	1n 4	3n16	
S 2	22 59	19 54	2 55	22 28	1 49	12 48	0 13	21 49	0 2	17 50	0 55	2 40	2 17	11 56	0 47	8 44	1 45	2 53	14 42	15 34	15 6	5 41	1 5	3 16	
S 3	22 54	18 59	1 49	22 4	1 43	12 24	0 5	21 56	0 3	17 52	0 55	2 40	2 17	11 57	0 47	8 45	1 45	2 53	14 42	15 35	15 7	5 43	1 5	3 16	
M 4	22 48	17 2	0 39	21 39	1 37	12 1	0n 3	22 3	0 3	17 55	0 55	2 40	2 18	11 57	0 47	8 45	1 45	2 53	14 42	15 36	15 8	5 46	1 5	3 16	
T 5	22 42	14 14	0n32	21 12	1 30	11 37	0 11	22 10	0 4	17 58	0 55	2 40	2 18	11 58	0 47	8 45	1 45	2 53	14 41	15 36	15 9	5 48	1 6	3 15	
W 6	22 35	10 50	1 40	20 45	1 21	11 13	0 20	22 16	0 5	18 0	0 55	2 41	2 18	11 59	0 47	8 45	1 45	2 54	14 41	15 35	15 10	5 50	1 6	3 15	
T 7	22 28	7 3	2 41	20 17	1 12	10 49	0 29	22 23	0 6	18 3	0 55	2 41	2 18	11 59	0 47	8 46	1 45	2 54	14 41	15 35	15 11	5 52	1 7	3 15	
F 8	22 20	3 3	3 34	19 48	1 2	10 25	0 38	22 29	0 6	18 5	0 56	2 41	2 19	12 0	0 47	8 46	1 45	2 54	14 41	15 34	15 12	5 54	1 7	3 15	
S 9	22 12	1s 0	4 17	19 19	0 51	10 2	0 47	22 35	0 7	18 8	0 56	2 41	2 19	12 0	0 47	8 46	1 45	2 54	14 40	15 34	15 13	5 56	1 8	3 14	
S 10	22 3	4 59	4 48	18 49	0 39	9 38	0 57	22 41	0 8	18 10	0 56	2 42	2 19	12 1	0 47	8 46	1 45	2 54	14 40	15 34	15 14	5 58	1 8	3 14	
M11	21 54	8 47	5 8	18 20	0 26	9 15	1 6	22 46	0 8	18 12	0 56	2 42	2 20	12 2	0 47	8 46	1 45	2 54	14 40	15 34	15 15	6 0	1 9	3 14	
T 12	21 45	12 15	5 14	17 52	0 12	8 52	1 16	22 52	0 9	18 15	0 56	2 42	2 20	12 2	0 47	8 46	1 45	2 55	14 39	15 35	15 16	6 2	1 9	3 14	
W13	21 35	15 16	5 6	17 24	0n 3	8 29	1 27	22 57	0 10	18 17	0 56	2 43	2 20	12 3	0 47	8 47	1 45	2 55	14 39	15 36	15 17	6 4	1 10	3 13	
T 14	21 24	17 39	4 44	16 58	0 19	8 6	1 37	23 2	0 10	18 19	0 56	2 43	2 20	12 4	0 47	8 47	1 46	2 55	14 39	15 37	15 17	6 6	1 11	3 13	
F 15	21 14	19 15	4 9	16 34	0 35	7 43	1 48	23 7	0 11	18 21	0 56	2 44	2 21	12 4	0 47	8 47	1 46	2 55	14 38	15 39	15 18	6 8	1 11	3 13	
S 16	21 3	19 55	3 20	16 11	0 53	7 21	1 59	23 11	0 12	18 24	0 56	2 45	2 21	12 5	0 47	8 47	1 46	2 55	14 38	15 40	15 19	6 11	1 12	3 13	
S 17	20 51	19 32	2 19	15 51	1 11	6 59	2 10	23 16	0 13	18 26	0 56	2 45	2 21	12 6	0 47	8 47	1 46	2 56	14 38	15 40	15 20	6 13	1 13	3 13	
M18	20 39	18 2	1 10	15 34	1 29	6 38	2 21	23 20	0 13	18 28	0 56	2 46	2 21	12 7	0 47	8 47	1 46	2 56	14 37	15 41	15 21	6 15	1 13	3 12	
T 19	20 27	15 29	0s 5	15 20	1 47	6 17	2 33	23 24	0 14	18 30	0 56	2 47	2 22	12 7	0 47	8 47	1 46	2 56	14 37	15 41	15 22	6 17	1 14	3 12	
W20	20 14	12 1	1 21	15 10	2 5	5 56	2 45	23 27	0 15	18 32	0 56	2 47	2 22	12 8	0 47	8 47	1 46	2 56	14 37	15 41	15 23	6 19	1 15	3 12	
T 21	20 1	7 51	2 32	15 3	2 22	5 36	2 57	23 31	0 16	18 34	0 56	2 48	2 22	12 9	0 47	8 47	1 46	2 57	14 37	15 41	15 24	6 21	1 15	3 12	
F 22	19 48	3 14	3 35	15 0	2 39	5 16	3 9	23 34	0 16	18 36	0 56	2 49	2 23	12 10	0 47	8 47	1 46	2 57	14 36	15 40	15 25	6 23	1 16	3 12	
S 23	19 34	1n35	4 26	15 0	2 53	4 56	3 22	23 37	0 17	18 38	0 57	2 50	2 23	12 11	0 47	8 47	1 46	2 57	14 36	15 40	15 26	6 25	1 17	3 11	
S 24	19 20	6 18	5 0	15 4	3 7	4 38	3 34	23 40	0 18	18 40	0 57	2 51	2 23	12 11	0 47	8 47	1 46	2 57	14 36	15 40	15 27	6 27	1 18	3 11	
M25	19 5	10 40	5 15	15 10	3 18	4 20	3 47	23 42	0 19	18 42	0 57	2 52	2 23	12 12	0 47	8 47	1 46	2 58	14 35	15 40	15 28	6 29	1 19	3 11	
T 26	18 50	14 25	5 12	15 20	3 27	4 2	4 0	23 44	0 19	18 43	0 57	2 53	2 24	12 13	0 47	8 47	1 46	2 58	14 35	15 40	15 29	6 31	1 20	3 11	
W27	18 35	17 20	4 50	15 31	3 34	3 45	4 13	23 46	0 20	18 45	0 57	2 54	2 24	12 14	0 47	8 47	1 46	2 58	14 35	15 40	15 30	6 33	1 20	3 11	
T 28	18 20	19 12	4 11	15 45	3 38	3 29	4 27	23 48	0 21	18 47	0 57	2 55	2 24	12 15	0 47	8 47	1 46	2 58	14 34	15 41	15 31	6 36	1 21	3 10	
F 29	18 4	19 54	3 18	15 59	3 39	3 14	4 40	23 50	0 22	18 49	0 57	2 56	2 24	12 16	0 47	8 47	1 46	2 59	14 34	15 41	15 32	6 38	1 22	3 10	
S 30	17 47	19 27	2 15	16 15	3 39	2 59	4 53	23 51	0 22	18 50	0 57	2 57	2 25	12 17	0 47	8 47	1 47	2 59	14 34	15 41	15 33	6 40	1 23	3 10	
S 31	17s31	17n53	1s 5	16s31	3n36	2s46	5n 7	23s52	0s23	18s52	0n57	2n58	2n25	12n17	0n48	8s47	1n47	2n59	14s33	15n41	15n34	6s42	1n24	3n10	

Julian Day Number = 2315309.5, Delta T = 60.41 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'03, Lahiri = 18°39'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

FEBRUARY 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 43 26	11♒58'06	18♌32	29°R50	10°R54	0♉ 5	28♏19	28°R 4	29°R48	27°R 2	17♉ 7	17°D16	17♌37	29♎29	26♓17	M 1
T 2	8 47 22	12°58'52	1♍20	29♉ 3	10♓52	0°49	28°27	28♍ 1	29♌46	27♎ 2	17° 7	17♌16	17°34	29°35	26°20	T 2
W 3	8 51 19	13°59'36	13°53	28°24	10°48	1°32	28°34	27°59	29°43	27° 2	17° 7	17°16	17°30	29°42	26°22	W 3
T 4	8 55 15	15° 0'20	26°11	27°54	10°41	2°16	28°41	27°56	29°41	27° 2	17° 7	17°17	17°27	29°49	26°25	T 4
F 5	8 59 12	16° 1'02	8♎18	27°31	10°31	2°59	28°48	27°53	29°38	27° 2	17° 7	17°17	17°24	29°56	26°28	F 5
S 6	9 3 8	17° 1'43	20°16	27°16	10°19	3°43	28°55	27°50	29°36	27° 1	17° 7	17°R17	17°21	0♏ 2	26°31	S 6
S 7	9 7 5	18° 2'23	2♏ 9	27°D 9	10° 5	4°27	29° 2	27°47	29°33	27° 1	17° 7	17°17	17°18	0° 9	26°34	S 7
M 8	9 11 2	19° 3'02	14° 1	27°10	9°48	5°10	29° 9	27°44	29°31	27° 1	17° 8	17°D17	17°14	0°16	26°37	M 8
T 9	9 14 58	20° 3'40	25°58	27°17	9°29	5°54	29°15	27°41	29°28	27° 0	17° 8	17°17	17°11	0°22	26°40	T 9
W10	9 18 55	21° 4'17	8♐ 4	27°31	9° 7	6°38	29°22	27°38	29°25	27° 0	17° 8	17°17	17° 8	0°29	26°44	W10
T 11	9 22 51	22° 4'52	20°22	27°51	8°43	7°22	29°28	27°34	29°23	26°59	17° 8	17°18	17° 5	0°36	26°47	T 11
F 12	9 26 48	23° 5'26	2♑59	28°17	8°17	8° 6	29°34	27°31	29°20	26°59	17° 9	17°18	17° 2	0°43	26°50	F 12
S 13	9 30 44	24° 5'59	15°55	28°48	7°49	8°49	29°40	27°27	29°18	26°58	17° 9	17°19	16°59	0°49	26°53	S 13
S 14	9 34 41	25° 6'30	29°14	29°23	7°19	9°33	29°45	27°24	29°15	26°58	17° 9	17°19	16°55	0°56	26°56	S 14
M15	9 38 37	26° 7'00	12♒54	0♒ 3	6°48	10°17	29°51	27°20	29°12	26°57	17° 9	17°R20	16°52	1° 3	27° 0	M15
T 16	9 42 34	27° 7'28	26°55	0°47	6°14	11° 1	29°56	27°17	29°10	26°57	17°10	17°20	16°49	1° 9	27° 3	T 16
W17	9 46 31	28° 7'55	11♓13	1°35	5°40	11°45	0♐ 2	27°13	29° 7	26°56	17°10	17°19	16°46	1°16	27° 6	W17
T 18	9 50 27	29° 8'20	25°43	2°26	5° 5	12°29	0° 7	27° 9	29° 5	26°55	17°10	17°18	16°43	1°23	27°10	T 18
F 19	9 54 24	0♓ 8'43	10♈18	3°21	4°28	13°13	0°12	27° 5	29° 2	26°55	17°11	17°16	16°39	1°30	27°13	F 19
S 20	9 58 20	1° 9'04	24°53	4°18	3°51	13°57	0°16	27° 1	28°59	26°54	17°11	17°15	16°36	1°36	27°16	S 20
S 21	10 2 17	2° 9'23	9♉21	5°18	3°14	14°41	0°21	26°57	28°57	26°53	17°12	17°13	16°33	1°43	27°20	S 21
M22	10 6 13	3° 9'40	23°39	6°21	2°36	15°26	0°25	26°53	28°54	26°52	17°12	17°12	16°30	1°50	27°23	M22
T 23	10 10 10	4° 9'55	7♊44	7°26	1°59	16°10	0°30	26°49	28°51	26°52	17°13	17°D12	16°27	1°56	27°26	T 23
W24	10 14 6	5°10'08	21°35	8°34	1°21	16°54	0°34	26°45	28°49	26°51	17°13	17°13	16°24	2° 3	27°30	W24
T 25	10 18 3	6°10'19	5♋10	9°43	0°45	17°38	0°38	26°41	28°46	26°50	17°14	17°14	16°20	2°10	27°33	T 25
F 26	10 22 0	7°10'28	18°32	10°55	0° 9	18°22	0°41	26°36	28°44	26°49	17°14	17°15	16°17	2°17	27°37	F 26
S 27	10 25 56	8°10'35	1♌39	12° 8	29♒35	19° 6	0°45	26°32	28°41	26°48	17°15	17°17	16°14	2°23	27°40	S 27
S 28	10 29 53	9♓10'39	14♌34	13♒23	29♒ 2	19♉51	0♐48	26♍28	28♌38	26♎47	17♉15	17°R17	16♌11	2♏30	27♓44	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	17s14	15n25	0n 7	16s47	3n31	2s33	5n20	23s53	0s24	18s54	0n57	2n59	2n25	12n18	0n48	8s47	1n47	3n 0	14s33	15n41	15n35	6s44	1n25	3n10	M 1
T 2	16 57	12 13	1 17	17 3	3 24	2 21	5 34	23 54	0 25	18 55	0 57	3 1	2 25	12 19	0 48	8 47	1 47	3 0	14 33	15 41	15 36	6 46	1 26	3 9	T 2
W 3	16 40	8 32	2 22	17 19	3 16	2 10	5 47	23 54	0 25	18 57	0 57	3 2	2 26	12 20	0 48	8 47	1 47	3 0	14 32	15 41	15 37	6 48	1 27	3 9	W 3
T 4	16 22	4 34	3 20	17 34	3 7	2 1	6 1	23 54	0 26	18 58	0 58	3 3	2 26	12 21	0 48	8 46	1 47	3 1	14 32	15 41	15 38	6 50	1 28	3 9	T 4
F 5	16 4	0 29	4 7	17 48	2 57	1 52	6 14	23 54	0 27	19 0	0 58	3 5	2 26	12 22	0 48	8 46	1 47	3 1	14 32	15 41	15 39	6 52	1 29	3 9	F 5
S 6	15 46	3s34	4 43	18 2	2 46	1 44	6 27	23 54	0 28	19 1	0 58	3 6	2 26	12 23	0 48	8 46	1 47	3 1	14 31	15 41	15 40	6 54	1 30	3 9	S 6
S 7	15 27	7 27	5 6	18 14	2 35	1 38	6 40	23 53	0 29	19 2	0 58	3 7	2 27	12 24	0 48	8 46	1 47	3 2	14 31	15 41	15 41	6 56	1 31	3 9	S 7
M 8	15 8	11 2	5 17	18 26	2 23	1 33	6 52	23 52	0 29	19 4	0 58	3 9	2 27	12 25	0 48	8 46	1 47	3 2	14 31	15 41	15 42	6 58	1 32	3 8	M 8
T 9	14 49	14 12	5 14	18 36	2 11	1 29	7 4	23 51	0 30	19 5	0 58	3 10	2 27	12 25	0 48	8 46	1 47	3 2	14 30	15 41	15 43	7 0	1 33	3 8	T 9
W10	14 30	16 49	4 57	18 45	1 59	1 26	7 16	23 50	0 31	19 6	0 58	3 12	2 27	12 26	0 48	8 45	1 47	3 3	14 30	15 41	15 44	7 3	1 34	3 8	W10
T 11	14 11	18 43	4 26	18 53	1 47	1 24	7 27	23 49	0 32	19 8	0 58	3 13	2 27	12 27	0 48	8 45	1 47	3 3	14 30	15 41	15 45	7 5	1 35	3 8	T 11
F 12	13 51	19 45	3 42	19 0	1 34	1 24	7 38	23 47	0 33	19 9	0 58	3 15	2 28	12 28	0 48	8 45	1 47	3 4	14 29	15 41	15 46	7 7	1 36	3 8	F 12
S 13	13 31	19 48	2 46	19 6	1 22	1 25	7 48	23 45	0 33	19 10	0 58	3 16	2 28	12 29	0 48	8 45	1 47	3 4	14 29	15 41	15 47	7 9	1 38	3 8	S 13
S 14	13 11	18 45	1 39	19 10	1 10	1 27	7 57	23 43	0 34	19 11	0 59	3 18	2 28	12 30	0 48	8 44	1 47	3 4	14 29	15 40	15 48	7 11	1 39	3 7	S 14
M15	12 50	16 35	0 25	19 14	0 58	1 30	8 6	23 40	0 35	19 12	0 59	3 20	2 28	12 31	0 48	8 44	1 47	3 5	14 28	15 40	15 49	7 13	1 40	3 7	M15
T 16	12 30	13 23	0s53	19 15	0 47	1 35	8 14	23 37	0 36	19 13	0 59	3 21	2 28	12 32	0 48	8 44	1 48	3 5	14 28	15 40	15 50	7 15	1 41	3 7	T 16
W17	12 9	9 21	2 9	19 16	0 36	1 41	8 21	23 34	0 37	19 14	0 59	3 23	2 29	12 33	0 48	8 44	1 48	3 6	14 28	15 40	15 51	7 17	1 42	3 7	W17
T 18	11 48	4 43	3 17	19 15	0 25	1 47	8 27	23 31	0 37	19 15	0 59	3 25	2 29	12 34	0 48	8 43	1 48	3 6	14 27	15 41	15 51	7 19	1 43	3 7	T 18
F 19	11 27	0n13	4 13	19 13	0 14	1 55	8 33	23 28	0 38	19 16	0 59	3 26	2 29	12 35	0 48	8 43	1 48	3 6	14 27	15 41	15 52	7 21	1 45	3 7	F 19
S 20	11 5	5 7	4 52	19 10	0 4	2 4	8 37	23 24	0 39	19 17	0 59	3 28	2 29	12 36	0 48	8 43	1 48	3 7	14 27	15 42	15 53	7 23	1 46	3 6	S 20
S 21	10 44	9 41	5 13	19 5	0s 7	2 14	8 41	23 20	0 40	19 18	0 59	3 30	2 29	12 37	0 48	8 42	1 48	3 7	14 26	15 42	15 54	7 25	1 47	3 6	S 21
M22	10 22	13 39	5 14	18 59	0 16	2 25	8 43	23 16	0 41	19 19	0 59	3 32	2 30	12 37	0 48	8 42	1 48	3 8	14 26	15 43	15 55	7 27	1 48	3 6	M22
T 23	10 0	16 46	4 56	18 52	0 26	2 37	8 45	23 12	0 42	19 19	0 59	3 33	2 30	12 38	0 48	8 42	1 48	3 8	14 26	15 43	15 56	7 30	1 50	3 6	T 23
W24	9 38	18 53	4 21	18 43	0 35	2 49	8 46	23 7	0 42	19 20	1 0	3 35	2 30	12 39	0 48	8 41	1 48	3 9	14 26	15 42	15 57	7 32	1 51	3 6	W24
T 25	9 16	19 51	3 32	18 33	0 43	3 2	8 45	23 2	0 43	19 21	1 0	3 37	2 30	12 40	0 48	8 41	1 48	3 9	14 25	15 42	15 58	7 34	1 52	3 6	T 25
F 26	8 54	19 41	2 32	18 21	0 52	3 15	8 44	22 57	0 44	19 22	1 0	3 39	2 30	12 41	0 48	8 41	1 48	3 9	14 25	15 42	15 59	7 36	1 53	3 6	F 26
S 27	8 31	18 27	1 25	18 9	1 0	3 29	8 41	22 52	0 45	19 22	1 0	3 41	2 30	12 42	0 48	8 40	1 48	3 10	14 25	15 41	16 0	7 38	1 55	3 6	S 27
S 28	8s 9	16n15	0s15	17s55	1s 7	3s44	8n38	22s46	0s46	19s23	1n 0	3n43	2n30	12n43	0n48	8s40	1n48	3n10	14s24	15n41	16n 1	7s40	1n56	3n 5	S 28

Julian Day Number = 2315340.5, Delta T = 60.34 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'08, Lahiri = 18°39'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

MARCH 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 33 49	10♓10'42	27♌17	14♒40	28°R30	20♉35	0♐52	26°R23	28°R36	26°R46	17♉16	17°R17	16♌ 8	2♏37	27♓47	M 1
T 2	10 37 46	11°10'42	9♍48	15°58	28♒ 0	21°19	0°55	26♍19	28♌33	26♎45	17°17	17♌15	16° 5	2°44	27°51	T 2
W 3	10 41 42	12°10'41	22° 9	17°18	27°32	22° 4	0°57	26°14	28°31	26°44	17°17	17°12	16° 1	2°50	27°55	W 3
T 4	10 45 39	13°10'38	4♎20	18°40	27° 6	22°48	1° 0	26°10	28°28	26°43	17°18	17° 9	15°58	2°57	27°58	T 4
F 5	10 49 35	14°10'33	16°23	20° 3	26°42	23°32	1° 3	26° 5	28°26	26°42	17°19	17° 4	15°55	3° 4	28° 2	F 5
S 6	10 53 32	15°10'26	28°19	21°28	26°21	24°17	1° 5	26° 1	28°23	26°41	17°19	16°59	15°52	3°10	28° 5	S 6
S 7	10 57 29	16°10'18	10♏12	22°53	26° 1	25° 1	1° 7	25°56	28°21	26°40	17°20	16°54	15°49	3°17	28° 9	S 7
M 8	11 1 25	17°10'07	22° 4	24°21	25°44	25°46	1° 9	25°51	28°18	26°39	17°21	16°50	15°45	3°24	28°13	M 8
T 9	11 5 22	18° 9'55	4♐ 0	25°49	25°30	26°30	1°11	25°47	28°16	26°37	17°22	16°48	15°42	3°31	28°16	T 9
W10	11 9 18	19° 9'42	16° 3	27°19	25°18	27°15	1°12	25°42	28°14	26°36	17°22	16°D47	15°39	3°37	28°20	W10
T 11	11 13 15	20° 9'26	28°18	28°50	25° 9	27°59	1°14	25°37	28°11	26°35	17°23	16°47	15°36	3°44	28°23	T 11
F 12	11 17 11	21° 9'09	10♑50	0♓23	25° 2	28°44	1°15	25°33	28° 9	26°34	17°24	16°48	15°33	3°51	28°27	F 12
S 13	11 21 8	22° 8'51	23°44	1°57	24°57	29°28	1°16	25°28	28° 6	26°32	17°25	16°50	15°30	3°57	28°31	S 13
S 14	11 25 4	23° 8'30	7♒ 3	3°32	24°D55	0♒13	1°17	25°23	28° 4	26°31	17°26	16°51	15°26	4° 4	28°34	S 14
M15	11 29 1	24° 8'08	20°48	5° 8	24°55	0°57	1°17	25°19	28° 2	26°30	17°26	16°R52	15°23	4°11	28°38	M15
T 16	11 32 57	25° 7'43	5♓ 0	6°46	24°58	1°42	1°18	25°14	28° 0	26°28	17°27	16°50	15°20	4°18	28°42	T 16
W17	11 36 54	26° 7'17	19°35	8°25	25° 3	2°27	1°18	25° 9	27°57	26°27	17°28	16°47	15°17	4°24	28°45	W17
T 18	11 40 51	27° 6'49	4♈27	10° 5	25°11	3°11	1°R18	25° 4	27°55	26°26	17°29	16°42	15°14	4°31	28°49	T 18
F 19	11 44 47	28° 6'18	19°29	11°46	25°20	3°56	1°18	25° 0	27°53	26°24	17°30	16°36	15°11	4°38	28°53	F 19
S 20	11 48 44	29° 5'46	4♉30	13°29	25°32	4°41	1°18	24°55	27°51	26°23	17°31	16°30	15° 7	4°44	28°56	S 20
S 21	11 52 40	0♈ 5'11	19°22	15°13	25°46	5°25	1°17	24°50	27°49	26°22	17°32	16°24	15° 4	4°51	29° 0	S 21
M22	11 56 37	1° 4'34	3♊57	16°58	26° 1	6°10	1°17	24°46	27°47	26°20	17°33	16°19	15° 1	4°58	29° 4	M22
T 23	12 0 33	2° 3'55	18°11	18°45	26°19	6°55	1°16	24°41	27°45	26°19	17°34	16°16	14°58	5° 5	29° 8	T 23
W24	12 4 30	3° 3'13	2♋ 3	20°33	26°39	7°40	1°15	24°36	27°43	26°17	17°35	16°D15	14°55	5°11	29°11	W24
T 25	12 8 26	4° 2'29	15°32	22°23	27° 0	8°24	1°14	24°32	27°41	26°16	17°36	16°16	14°51	5°18	29°15	T 25
F 26	12 12 23	5° 1'43	28°40	24°13	27°24	9° 9	1°12	24°27	27°39	26°14	17°37	16°17	14°48	5°25	29°19	F 26
S 27	12 16 20	6° 0'54	11♌32	26° 6	27°49	9°54	1°11	24°22	27°37	26°13	17°38	16°R18	14°45	5°32	29°22	S 27
S 28	12 20 16	7° 0'03	24° 8	27°59	28°15	10°39	1° 9	24°18	27°35	26°11	17°39	16°18	14°42	5°38	29°26	S 28
M29	12 24 13	7°59'09	6♍33	29°54	28°43	11°23	1° 7	24°13	27°33	26°10	17°40	16°16	14°39	5°45	29°30	M29
T 30	12 28 9	8°58'14	18°49	1♈50	29°13	12° 8	1° 5	24° 9	27°31	26° 8	17°41	16°11	14°36	5°52	29°33	T 30
W31	12 32 6	9♈57'16	0♎57	3♈48	29♒45	12♒53	1♐ 2	24♍ 4	27♌30	26♎ 7	17♉42	16♌ 4	14♌32	5♏58	29♓37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
M 1	7s46	13n18	0n55	17s39	1s15	3s58	8n34	22s40	0s46	19s23	1n 0	3n44	2n31	12n44	0n48	8s39	1n48	3n11	14s24	15n41	16n 2	7s42	1n57	3n 5
T 2	7 23	9 46	2 1	17 22	1 21	4 13	8 29	22 34	0 47	19 24	1 0	3 46	2 31	12 45	0 48	8 39	1 48	3 11	14 24	15 42	16 3	7 44	1 59	3 5
W 3	7 0	5 52	3 0	17 4	1 28	4 28	8 24	22 28	0 48	19 24	1 0	3 48	2 31	12 46	0 48	8 39	1 48	3 12	14 23	15 42	16 4	7 46	2 0	3 5
T 4	6 37	1 48	3 50	16 45	1 34	4 42	8 17	22 22	0 49	19 25	1 0	3 50	2 31	12 46	0 48	8 38	1 48	3 12	14 23	15 44	16 5	7 48	2 1	3 5
F 5	6 14	2s19	4 29	16 24	1 40	4 57	8 10	22 15	0 50	19 25	1 1	3 52	2 31	12 47	0 48	8 38	1 48	3 13	14 23	15 45	16 6	7 50	2 2	3 5
S 6	5 51	6 17	4 56	16 2	1 45	5 11	8 2	22 8	0 51	19 26	1 1	3 54	2 31	12 48	0 48	8 37	1 48	3 13	14 22	15 47	16 7	7 52	2 4	3 5
S 7	5 28	9 59	5 10	15 39	1 50	5 25	7 54	22 1	0 52	19 26	1 1	3 56	2 31	12 49	0 48	8 37	1 49	3 13	14 22	15 48	16 8	7 54	2 5	3 5
M 8	5 5	13 18	5 11	15 14	1 55	5 39	7 45	21 53	0 52	19 26	1 1	3 58	2 31	12 50	0 48	8 36	1 49	3 14	14 22	15 49	16 9	7 56	2 7	3 5
T 9	4 41	16 6	4 59	14 48	1 59	5 53	7 36	21 46	0 53	19 26	1 1	4 0	2 31	12 51	0 48	8 36	1 49	3 14	14 22	15 50	16 10	7 59	2 8	3 5
W10	4 18	18 14	4 33	14 20	2 2	6 6	7 26	21 38	0 54	19 27	1 1	4 2	2 32	12 51	0 48	8 35	1 49	3 15	14 21	15 50	16 11	8 1	2 9	3 4
T 11	3 54	19 34	3 54	13 52	2 6	6 18	7 16	21 30	0 55	19 27	1 1	4 4	2 32	12 52	0 48	8 35	1 49	3 15	14 21	15 50	16 11	8 3	2 11	3 4
F 12	3 31	19 59	3 4	13 22	2 9	6 30	7 6	21 22	0 56	19 27	1 1	4 6	2 32	12 53	0 48	8 35	1 49	3 16	14 21	15 50	16 12	8 5	2 12	3 4
S 13	3 7	19 23	2 3	12 51	2 11	6 42	6 55	21 13	0 57	19 27	1 1	4 7	2 32	12 54	0 48	8 34	1 49	3 16	14 21	15 49	16 13	8 7	2 13	3 4
S 14	2 44	17 41	0 53	12 18	2 13	6 53	6 45	21 5	0 57	19 27	1 2	4 9	2 32	12 55	0 48	8 34	1 49	3 17	14 20	15 49	16 14	8 9	2 15	3 4
M15	2 20	14 56	0s21	11 44	2 15	7 3	6 34	20 56	0 58	19 27	1 2	4 11	2 32	12 55	0 48	8 33	1 49	3 17	14 20	15 49	16 15	8 11	2 16	3 4
T 16	1 56	11 12	1 37	11 9	2 16	7 13	6 22	20 47	0 59	19 27	1 2	4 13	2 32	12 56	0 48	8 33	1 49	3 18	14 20	15 49	16 16	8 13	2 18	3 4
W17	1 33	6 43	2 48	10 33	2 17	7 22	6 11	20 38	1 0	19 27	1 2	4 15	2 32	12 57	0 47	8 32	1 49	3 18	14 19	15 50	16 17	8 15	2 19	3 4
T 18	1 9	1 44	3 49	9 55	2 17	7 30	6 0	20 28	1 1	19 27	1 2	4 17	2 32	12 58	0 47	8 31	1 49	3 19	14 19	15 52	16 18	8 17	2 20	3 4
F 19	0 45	3n23	4 35	9 16	2 17	7 38	5 48	20 18	1 2	19 27	1 2	4 19	2 32	12 58	0 47	8 31	1 49	3 19	14 19	15 53	16 19	8 19	2 22	3 4
S 20	0 22	8 18	5 2	8 36	2 16	7 44	5 37	20 9	1 3	19 27	1 2	4 21	2 32	12 59	0 47	8 30	1 49	3 20	14 19	15 55	16 20	8 21	2 23	3 4
S 21	0n 2	12 39	5 9	7 55	2 15	7 51	5 26	19 58	1 3	19 27	1 2	4 23	2 32	13 0	0 47	8 30	1 49	3 20	14 18	15 57	16 21	8 23	2 25	3 4
M22	0 26	16 9	4 55	7 12	2 13	7 56	5 14	19 48	1 4	19 26	1 2	4 25	2 32	13 1	0 47	8 29	1 49	3 21	14 18	15 59	16 22	8 25	2 26	3 4
T 23	0 49	18 36	4 23	6 28	2 11	8 1	5 3	19 38	1 5	19 26	1 2	4 27	2 32	13 1	0 47	8 29	1 49	3 21	14 18	15 59	16 23	8 27	2 27	3 3
W24	1 13	19 52	3 36	5 43	2 9	8 5	4 52	19 27	1 6	19 26	1 3	4 28	2 32	13 2	0 47	8 28	1 49	3 22	14 18	16 0	16 24	8 30	2 29	3 3
T 25	1 37	19 58	2 38	4 57	2 5	8 8	4 40	19 16	1 7	19 25	1 3	4 30	2 32	13 3	0 47	8 28	1 49	3 22	14 18	16 0	16 25	8 32	2 30	3 3
F 26	2 0	18 56	1 34	4 10	2 2	8 11	4 29	19 5	1 8	19 25	1 3	4 32	2 32	13 3	0 47	8 27	1 49	3 23	14 17	15 59	16 26	8 34	2 32	3 3
S 27	2 24	16 57	0 26	3 21	1 58	8 13	4 18	18 54	1 8	19 25	1 3	4 34	2 32	13 4	0 47	8 27	1 49	3 23	14 17	15 59	16 26	8 36	2 33	3 3
S 28	2 47	14 10	0n42	2 32	1 53	8 14	4 7	18 43	1 9	19 24	1 3	4 36	2 32	13 4	0 47	8 26	1 49	3 24	14 17	15 59	16 27	8 38	2 34	3 3
M29	3 10	10 47	1 47	1 41	1 48	8 15	3 56	18 31	1 10	19 24	1 3	4 37	2 32	13 5	0 47	8 25	1 49	3 24	14 17	16 0	16 28	8 40	2 36	3 3
T 30	3 34	6 58	2 45	0 50	1 42	8 14	3 46	18 19	1 11	19 23	1 3	4 39	2 32	13 6	0 47	8 25	1 49	3 25	14 16	16 1	16 29	8 42	2 37	3 3
W31	3n57	2n55	3n36	0n 3	1s36	8s14	3n35	18s 8	1s12	19s23	1n 3	4n41	2n32	13n 6	0n47	8s24	1n49	3n25	14s16	16n 3	16n30	8s44	2n39	3n 3

Julian Day Number = 2315368.5, Delta T = 60.27 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'12, Lahiri = 18°39'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

APRIL 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 36 2	10♈56'16	12♎59	5♈47	0♓17	13♒38	1°R 0	24°R 0	27°R28	26°R 5	17♉43	15°R55	14♌29	6♏ 5	29♓40	T 1
F 2	12 39 59	11°55'14	24°56	7°47	0°51	14°23	0♐57	23♍56	27♌26	26♎ 3	17°44	15♌45	14°26	6°12	29°44	F 2
S 3	12 43 55	12°54'11	6♏50	9°48	1°27	15° 7	0°54	23°51	27°25	26° 2	17°46	15°33	14°23	6°19	29°48	S 3
S 4	12 47 52	13°53'05	18°42	11°51	2° 3	15°52	0°51	23°47	27°23	26° 0	17°47	15°23	14°20	6°25	29°51	S 4
M 5	12 51 49	14°51'57	0♐35	13°54	2°41	16°37	0°48	23°43	27°22	25°59	17°48	15°13	14°16	6°32	29°55	M 5
T 6	12 55 45	15°50'48	12°31	15°59	3°20	17°22	0°45	23°39	27°20	25°57	17°49	15° 6	14°13	6°39	29°58	T 6
W 7	12 59 42	16°49'37	24°33	18° 4	4° 0	18° 7	0°41	23°34	27°19	25°56	17°50	15° 1	14°10	6°45	0♈ 2	W 7
T 8	13 3 38	17°48'24	6♑46	20°10	4°42	18°52	0°37	23°30	27°17	25°54	17°51	14°59	14° 7	6°52	0° 5	T 8
F 9	13 7 35	18°47'09	19°15	22°17	5°24	19°37	0°33	23°26	27°16	25°52	17°53	14°D58	14° 4	6°59	0° 9	F 9
S 10	13 11 31	19°45'53	2♒ 3	24°23	6° 7	20°21	0°29	23°22	27°15	25°51	17°54	14°58	14° 1	7° 6	0°13	S 10
S 11	13 15 28	20°44'35	15°15	26°30	6°52	21° 6	0°25	23°18	27°13	25°49	17°55	14°R59	13°57	7°12	0°16	S 11
M12	13 19 24	21°43'15	28°56	28°36	7°37	21°51	0°21	23°15	27°12	25°47	17°56	14°58	13°54	7°19	0°20	M12
T 13	13 23 21	22°41'54	13♓ 5	0♉42	8°23	22°36	0°16	23°11	27°11	25°46	17°58	14°55	13°51	7°26	0°23	T 13
W14	13 27 17	23°40'31	27°42	2°46	9°10	23°21	0°11	23° 7	27°10	25°44	17°59	14°50	13°48	7°33	0°26	W14
T 15	13 31 14	24°39'06	12♈42	4°50	9°58	24° 6	0° 6	23° 3	27° 9	25°42	18° 0	14°42	13°45	7°39	0°30	T 15
F 16	13 35 11	25°37'39	27°56	6°51	10°46	24°51	0° 1	23° 0	27° 8	25°41	18° 1	14°32	13°42	7°46	0°33	F 16
S 17	13 39 7	26°36'10	13♉14	8°51	11°35	25°36	29♏56	22°56	27° 7	25°39	18° 3	14°22	13°38	7°53	0°37	S 17
S 18	13 43 4	27°34'39	28°25	10°49	12°25	26°20	29°51	22°53	27° 6	25°38	18° 4	14°12	13°35	7°59	0°40	S 18
M19	13 47 0	28°33'07	13♊17	12°44	13°16	27° 5	29°46	22°49	27° 5	25°36	18° 5	14° 4	13°32	8° 6	0°43	M19
T 20	13 50 57	29°31'32	27°45	14°36	14° 7	27°50	29°40	22°46	27° 4	25°34	18° 6	13°58	13°29	8°13	0°47	T 20
W21	13 54 53	0♉29'55	11♋46	16°26	14°59	28°35	29°34	22°43	27° 4	25°33	18° 8	13°55	13°26	8°20	0°50	W21
T 22	13 58 50	1°28'16	25°19	18°12	15°51	29°20	29°28	22°40	27° 3	25°31	18° 9	13°54	13°22	8°26	0°53	T 22
F 23	14 2 46	2°26'35	8♌26	19°54	16°45	0♓ 5	29°22	22°37	27° 2	25°29	18°10	13°54	13°19	8°33	0°57	F 23
S 24	14 6 43	3°24'51	21°12	21°33	17°38	0°49	29°16	22°34	27° 2	25°28	18°12	13°54	13°16	8°40	1° 0	S 24
S 25	14 10 40	4°23'06	3♍40	23° 8	18°32	1°34	29°10	22°31	27° 1	25°26	18°13	13°52	13°13	8°46	1° 3	S 25
M26	14 14 36	5°21'18	15°55	24°39	19°27	2°19	29° 4	22°28	27° 1	25°25	18°14	13°49	13°10	8°53	1° 6	M26
T 27	14 18 33	6°19'29	28° 0	26° 6	20°22	3° 4	28°57	22°25	27° 0	25°23	18°16	13°43	13° 7	9° 0	1° 9	T 27
W28	14 22 29	7°17'37	9♎59	27°29	21°18	3°48	28°51	22°22	27° 0	25°21	18°17	13°34	13° 3	9° 7	1°12	W28
T 29	14 26 26	8°15'44	21°55	28°48	22°14	4°33	28°44	22°20	26°59	25°20	18°18	13°22	13° 0	9°13	1°16	T 29
F 30	14 30 22	9♉13'49	3♏48	0♊ 2	23♓11	5♓18	28♏37	22♍17	26♌59	25♎18	18♉20	13♌ 9	12♌57	9♏20	1♈19	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n20	1s12	4n16	0n56	1s29	8s12	3n25	17s56	1s13	19s22	1n 3	4n43	2n32	13n 7	0n47	8s24	1n49	3n26	14s16	16n 6	16n31	8s46	2n40	3n 3
F 2	4 43	5 15	4 45	1 50	1 22	8 10	3 14	17 43	1 13	19 21	1 3	4 44	2 32	13 7	0 47	8 23	1 49	3 26	14 16	16 9	16 32	8 48	2 41	3 3
S 3	5 6	9 5	5 1	2 45	1 14	8 7	3 4	17 31	1 14	19 21	1 3	4 46	2 32	13 8	0 47	8 22	1 49	3 27	14 16	16 12	16 33	8 50	2 43	3 3
S 4	5 29	12 33	5 4	3 41	1 6	8 3	2 54	17 18	1 15	19 20	1 3	4 48	2 32	13 8	0 47	8 22	1 49	3 27	14 15	16 15	16 34	8 52	2 44	3 3
M 5	5 52	15 32	4 53	4 37	0 58	7 59	2 44	17 6	1 16	19 19	1 3	4 49	2 32	13 9	0 47	8 21	1 49	3 27	14 15	16 18	16 35	8 54	2 46	3 3
T 6	6 15	17 52	4 30	5 33	0 48	7 54	2 35	16 53	1 17	19 19	1 4	4 51	2 32	13 9	0 47	8 21	1 49	3 28	14 15	16 20	16 36	8 56	2 47	3 3
W 7	6 37	19 27	3 55	6 30	0 39	7 48	2 25	16 40	1 18	19 18	1 4	4 53	2 32	13 10	0 47	8 20	1 49	3 28	14 15	16 22	16 37	8 58	2 48	3 3
T 8	7 0	20 10	3 9	7 27	0 29	7 42	2 16	16 27	1 18	19 17	1 4	4 54	2 32	13 10	0 47	8 19	1 49	3 29	14 15	16 22	16 38	9 0	2 50	3 3
F 9	7 22	19 55	2 13	8 24	0 19	7 35	2 6	16 13	1 19	19 16	1 4	4 56	2 31	13 11	0 47	8 19	1 49	3 29	14 15	16 23	16 38	9 3	2 51	3 3
S 10	7 45	18 38	1 8	9 21	0 8	7 28	1 57	16 0	1 20	19 15	1 4	4 57	2 31	13 11	0 47	8 18	1 49	3 30	14 14	16 23	16 39	9 5	2 53	3 3
S 11	8 7	16 19	0s 1	10 17	0n 2	7 20	1 48	15 46	1 21	19 14	1 4	4 59	2 31	13 12	0 47	8 18	1 49	3 30	14 14	16 22	16 40	9 7	2 54	3 3
M12	8 29	13 1	1 14	11 12	0 13	7 11	1 40	15 32	1 22	19 13	1 4	5 0	2 31	13 12	0 47	8 17	1 49	3 31	14 14	16 23	16 41	9 9	2 55	3 3
T 13	8 51	8 52	2 24	12 7	0 24	7 2	1 31	15 18	1 23	19 12	1 4	5 1	2 31	13 12	0 47	8 16	1 49	3 31	14 14	16 24	16 42	9 11	2 57	3 3
W14	9 13	4 4	3 26	13 1	0 35	6 52	1 23	15 4	1 23	19 11	1 4	5 3	2 31	13 13	0 47	8 16	1 49	3 32	14 14	16 25	16 43	9 13	2 58	3 3
T 15	9 34	1n 5	4 16	13 53	0 46	6 42	1 14	14 50	1 24	19 10	1 4	5 4	2 31	13 13	0 47	8 15	1 50	3 32	14 14	16 27	16 44	9 15	3 0	3 3
F 16	9 56	6 15	4 49	14 44	0 57	6 31	1 6	14 36	1 25	19 9	1 4	5 6	2 31	13 13	0 47	8 15	1 50	3 33	14 13	16 30	16 45	9 17	3 1	3 3
S 17	10 17	11 3	5 2	15 33	1 8	6 20	0 58	14 22	1 26	19 8	1 4	5 7	2 31	13 14	0 47	8 14	1 50	3 33	14 13	16 33	16 46	9 19	3 2	3 3
S 18	10 38	15 5	4 53	16 20	1 18	6 8	0 51	14 7	1 27	19 7	1 4	5 8	2 31	13 14	0 47	8 14	1 50	3 34	14 13	16 36	16 47	9 21	3 4	3 3
M19	10 59	18 4	4 24	17 5	1 28	5 56	0 43	13 52	1 27	19 6	1 4	5 9	2 30	13 14	0 47	8 13	1 50	3 34	14 13	16 38	16 48	9 23	3 5	3 3
T 20	11 20	19 49	3 39	17 48	1 37	5 43	0 36	13 38	1 28	19 4	1 4	5 11	2 30	13 14	0 47	8 12	1 50	3 34	14 13	16 40	16 49	9 25	3 6	3 3
W21	11 40	20 17	2 41	18 29	1 46	5 29	0 29	13 23	1 29	19 3	1 4	5 12	2 30	13 15	0 46	8 12	1 50	3 35	14 13	16 41	16 49	9 27	3 8	3 3
T 22	12 1	19 32	1 37	19 7	1 55	5 15	0 22	13 8	1 30	19 2	1 4	5 13	2 30	13 15	0 46	8 11	1 50	3 35	14 13	16 41	16 50	9 29	3 9	3 3
F 23	12 21	17 44	0 29	19 43	2 3	5 1	0 15	12 53	1 30	19 1	1 4	5 14	2 30	13 15	0 46	8 11	1 50	3 36	14 13	16 41	16 51	9 31	3 10	3 3
S 24	12 41	15 4	0n39	20 16	2 10	4 46	0 8	12 37	1 31	18 59	1 4	5 15	2 30	13 15	0 46	8 10	1 50	3 36	14 12	16 41	16 52	9 33	3 12	3 3
S 25	13 0	11 47	1 43	20 47	2 16	4 31	0 1	12 22	1 32	18 58	1 4	5 16	2 30	13 15	0 46	8 9	1 49	3 37	14 12	16 42	16 53	9 35	3 13	3 3
M26	13 20	8 2	2 41	21 15	2 22	4 16	0s 5	12 7	1 33	18 57	1 4	5 17	2 29	13 15	0 46	8 9	1 49	3 37	14 12	16 43	16 54	9 37	3 14	3 3
T 27	13 39	4 1	3 30	21 41	2 26	4 0	0 11	11 51	1 33	18 55	1 4	5 18	2 29	13 16	0 46	8 8	1 49	3 38	14 12	16 45	16 55	9 39	3 15	3 3
W28	13 58	0s 8	4 10	22 4	2 30	3 43	0 17	11 36	1 34	18 54	1 4	5 19	2 29	13 16	0 46	8 8	1 49	3 38	14 12	16 47	16 56	9 41	3 17	3 3
T 29	14 17	4 14	4 39	22 25	2 33	3 27	0 23	11 20	1 35	18 52	1 4	5 20	2 29	13 16	0 46	8 7	1 49	3 38	14 12	16 50	16 57	9 43	3 18	3 3
F 30	14n36	8s10	4n56	22n44	2n35	3s 9	0s29	11s 4	1s36	18s51	1n 4	5n21	2n29	13n16	0n46	8s 7	1n49	3n39	14s12	16n54	16n58	9s46	3n19	3n 3

Julian Day Number = 2315399.5, Delta T = 60.20 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'16, Lahiri = 18°39'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

MAY 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 34 19	10♉11'53	15♏40	1♊12	24♓ 8	6♓ 3	28°R31	22°R15	26°R59	25°R17	18♉21	12°R54	12♌54	9♏27	1♈22	S 1
S 2	14 38 15	11° 9'54	27°34	2°18	25° 6	6°47	28♏24	22♍13	26♌59	25♎15	18°22	12♌41	12°51	9°34	1°25	S 2
M 3	14 42 12	12° 7'55	9♐30	3°19	26° 4	7°32	28°17	22°11	26°59	25°13	18°24	12°28	12°48	9°40	1°28	M 3
T 4	14 46 9	13° 5'53	21°30	4°15	27° 2	8°17	28°10	22° 8	26°59	25°12	18°25	12°18	12°44	9°47	1°31	T 4
W 5	14 50 5	14° 3'51	3♑36	5° 7	28° 1	9° 1	28° 3	22° 6	26°D59	25°10	18°26	12°11	12°41	9°54	1°34	W 5
T 6	14 54 2	15° 1'47	15°52	5°54	29° 0	9°46	27°55	22° 4	26°59	25° 9	18°28	12° 7	12°38	10° 0	1°36	T 6
F 7	14 57 58	15°59'41	28°21	6°36	29°59	10°31	27°48	22° 3	26°59	25° 7	18°29	12° 5	12°35	10° 7	1°39	F 7
S 8	15 1 55	16°57'35	11♒ 8	7°13	1♈ 0	11°15	27°41	22° 1	26°59	25° 6	18°30	12° 5	12°32	10°14	1°42	S 8
S 9	15 5 51	17°55'27	24°15	7°46	2° 0	12° 0	27°33	21°59	26°59	25° 4	18°32	12° 5	12°28	10°21	1°45	S 9
M10	15 9 48	18°53'17	7♓48	8°13	3° 0	12°44	27°26	21°58	26°59	25° 3	18°33	12° 4	12°25	10°27	1°48	M10
T 11	15 13 44	19°51'07	21°49	8°36	4° 1	13°29	27°18	21°56	27° 0	25° 1	18°34	12° 1	12°22	10°34	1°50	T 11
W12	15 17 41	20°48'55	6♈16	8°54	5° 2	14°13	27°11	21°55	27° 0	25° 0	18°36	11°56	12°19	10°41	1°53	W12
T 13	15 21 38	21°46'43	21° 9	9° 7	6° 4	14°58	27° 3	21°54	27° 0	24°59	18°37	11°48	12°16	10°48	1°56	T 13
F 14	15 25 34	22°44'29	6♉18	9°14	7° 6	15°42	26°56	21°52	27° 1	24°57	18°38	11°38	12°13	10°54	1°58	F 14
S 15	15 29 31	23°42'14	21°36	9°R18	8° 8	16°27	26°48	21°51	27° 1	24°56	18°40	11°28	12° 9	11° 1	2° 1	S 15
S 16	15 33 27	24°39'57	6♊51	9°16	9°10	17°11	26°40	21°50	27° 2	24°54	18°41	11°17	12° 6	11° 8	2° 3	S 16
M17	15 37 24	25°37'39	21°51	9°10	10°12	17°55	26°33	21°50	27° 2	24°53	18°43	11° 9	12° 3	11°14	2° 6	M17
T 18	15 41 20	26°35'20	6♋28	8°59	11°15	18°40	26°25	21°49	27° 3	24°52	18°44	11° 3	12° 0	11°21	2° 8	T 18
W19	15 45 17	27°32'59	20°37	8°44	12°18	19°24	26°18	21°48	27° 4	24°50	18°45	10°59	11°57	11°28	2°11	W19
T 20	15 49 13	28°30'37	4♌17	8°26	13°21	20° 8	26°10	21°48	27° 5	24°49	18°47	10°58	11°53	11°35	2°13	T 20
F 21	15 53 10	29°28'13	17°30	8° 3	14°25	20°52	26° 2	21°47	27° 6	24°48	18°48	10°D57	11°50	11°41	2°16	F 21
S 22	15 57 7	0♊25'48	0♍18	7°38	15°28	21°36	25°55	21°47	27° 6	24°46	18°49	10°R58	11°47	11°48	2°18	S 22
S 23	16 1 3	1°23'21	12°46	7°10	16°32	22°20	25°47	21°47	27° 7	24°45	18°51	10°57	11°44	11°55	2°20	S 23
M24	16 5 0	2°20'53	24°58	6°40	17°36	23° 4	25°39	21°47	27° 8	24°44	18°52	10°55	11°41	12° 1	2°22	M24
T 25	16 8 56	3°18'24	7♎ 0	6° 8	18°41	23°48	25°32	21°D47	27° 9	24°43	18°53	10°50	11°38	12° 8	2°24	T 25
W26	16 12 53	4°15'53	18°55	5°35	19°45	24°32	25°24	21°47	27°11	24°42	18°55	10°43	11°34	12°15	2°27	W26
T 27	16 16 49	5°13'21	0♏48	5° 1	20°50	25°16	25°17	21°47	27°12	24°40	18°56	10°33	11°31	12°22	2°29	T 27
F 28	16 20 46	6°10'47	12°40	4°28	21°55	26° 0	25°10	21°47	27°13	24°39	18°57	10°22	11°28	12°28	2°31	F 28
S 29	16 24 42	7° 8'13	24°34	3°55	23° 0	26°44	25° 2	21°47	27°14	24°38	18°58	10°11	11°25	12°35	2°33	S 29
S 30	16 28 39	8° 5'38	6♐31	3°23	24° 5	27°28	24°55	21°48	27°15	24°37	19° 0	9°59	11°22	12°42	2°35	S 30
M31	16 32 36	9♊ 3'02	18♐33	2♊53	25♈10	28♓11	24♏48	21♍49	27♌17	24♎36	19♉ 1	9♌49	11♌19	12♏49	2♈37	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	14n54	11s47	4n59	22n59	2n36	2s52	0s35	10s48	1s36	18s49	1n 4	5n21	2n29	13n16	0n46	8s 6	1n49	3n39	14s12	16n58	16n58	9s48	3n21	3n 3	S 1
S 2	15 12	14 57	4 50	23 13	2 37	2 34	0 40	10 32	1 37	18 48	1 4	5 22	2 29	13 16	0 46	8 5	1 49	3 40	14 12	17 2	16 59	9 50	3 22	3 3	S 2
M 3	15 30	17 31	4 27	23 24	2 36	2 16	0 46	10 16	1 38	18 46	1 4	5 23	2 28	13 16	0 46	8 5	1 49	3 40	14 12	17 6	17 0	9 52	3 23	3 3	M 3
T 4	15 48	19 20	3 53	23 33	2 34	1 57	0 51	10 0	1 39	18 45	1 4	5 24	2 28	13 16	0 46	8 4	1 49	3 40	14 12	17 8	17 1	9 54	3 24	3 3	T 4
W 5	16 5	20 18	3 8	23 40	2 31	1 38	0 56	9 44	1 39	18 43	1 4	5 24	2 28	13 16	0 46	8 4	1 49	3 41	14 12	17 10	17 2	9 56	3 25	3 3	W 5
T 6	16 23	20 20	2 14	23 45	2 27	1 19	1 1	9 28	1 40	18 42	1 4	5 25	2 28	13 16	0 46	8 3	1 49	3 41	14 12	17 12	17 3	9 58	3 27	3 3	T 6
F 7	16 39	19 21	1 12	23 47	2 22	1 0	1 5	9 12	1 41	18 40	1 4	5 25	2 28	13 16	0 46	8 3	1 49	3 42	14 12	17 12	17 4	10 0	3 28	3 3	F 7
S 8	16 56	17 23	0 5	23 48	2 16	0 40	1 10	8 55	1 41	18 39	1 4	5 26	2 27	13 16	0 46	8 2	1 49	3 42	14 11	17 12	17 5	10 2	3 29	3 3	S 8
S 9	17 12	14 28	1s 4	23 46	2 9	0 20	1 14	8 39	1 42	18 37	1 4	5 26	2 27	13 16	0 46	8 2	1 49	3 42	14 11	17 12	17 6	10 4	3 30	3 3	S 9
M10	17 28	10 41	2 12	23 43	2 1	0 0	1 18	8 22	1 43	18 35	1 4	5 27	2 27	13 15	0 46	8 1	1 49	3 43	14 11	17 13	17 7	10 6	3 31	3 4	M10
T 11	17 44	6 13	3 13	23 38	1 52	0n20	1 22	8 6	1 43	18 34	1 4	5 27	2 27	13 15	0 46	8 1	1 49	3 43	14 11	17 13	17 7	10 8	3 32	3 4	T 11
W12	18 0	1 15	4 5	23 30	1 42	0 41	1 26	7 49	1 44	18 32	1 4	5 28	2 27	13 15	0 46	8 0	1 49	3 44	14 11	17 15	17 8	10 10	3 34	3 4	W12
T 13	18 15	3n55	4 42	23 21	1 31	1 2	1 30	7 33	1 45	18 30	1 4	5 28	2 27	13 15	0 46	8 0	1 49	3 44	14 11	17 17	17 9	10 12	3 35	3 4	T 13
F 14	18 30	8 56	5 0	23 10	1 19	1 23	1 34	7 16	1 45	18 29	1 4	5 28	2 26	13 15	0 46	7 59	1 49	3 44	14 11	17 20	17 10	10 14	3 36	3 4	F 14
S 15	18 44	13 26	4 56	22 58	1 6	1 44	1 37	6 59	1 46	18 27	1 3	5 28	2 26	13 14	0 46	7 59	1 49	3 45	14 11	17 23	17 11	10 16	3 37	3 4	S 15
S 16	18 58	17 2	4 32	22 44	0 52	2 6	1 41	6 43	1 47	18 25	1 3	5 29	2 26	13 14	0 46	7 58	1 49	3 45	14 11	17 25	17 12	10 18	3 38	3 4	S 16
M17	19 12	19 26	3 49	22 28	0 37	2 27	1 44	6 26	1 47	18 24	1 3	5 29	2 26	13 14	0 45	7 58	1 49	3 45	14 11	17 28	17 13	10 20	3 39	3 4	M17
T 18	19 26	20 28	2 52	22 12	0 21	2 49	1 47	6 9	1 48	18 22	1 3	5 29	2 26	13 14	0 45	7 57	1 49	3 46	14 11	17 30	17 14	10 22	3 40	3 4	T 18
W19	19 39	20 10	1 46	21 53	0 5	3 11	1 50	5 52	1 49	18 20	1 3	5 29	2 25	13 13	0 45	7 57	1 49	3 46	14 11	17 31	17 15	10 24	3 41	3 4	W19
T 20	19 52	18 39	0 35	21 34	0s11	3 33	1 53	5 35	1 49	18 19	1 3	5 29	2 25	13 13	0 45	7 56	1 49	3 46	14 11	17 31	17 15	10 26	3 42	3 4	T 20
F 21	20 5	16 10	0n35	21 14	0 29	3 55	1 55	5 18	1 50	18 17	1 3	5 29	2 25	13 13	0 45	7 56	1 49	3 47	14 11	17 31	17 16	10 28	3 43	3 4	F 21
S 22	20 17	12 58	1 41	20 52	0 46	4 17	1 58	5 2	1 50	18 15	1 3	5 29	2 25	13 12	0 45	7 55	1 49	3 47	14 11	17 31	17 17	10 30	3 44	3 4	S 22
S 23	20 29	9 15	2 40	20 30	1 3	4 40	2 0	4 45	1 51	18 14	1 3	5 29	2 25	13 12	0 45	7 55	1 49	3 47	14 11	17 31	17 18	10 32	3 45	3 4	S 23
M24	20 40	5 14	3 31	20 8	1 21	5 2	2 3	4 28	1 52	18 12	1 2	5 29	2 24	13 12	0 45	7 55	1 49	3 48	14 12	17 32	17 19	10 34	3 46	3 4	M24
T 25	20 51	1 4	4 12	19 46	1 38	5 25	2 5	4 11	1 52	18 10	1 2	5 28	2 24	13 11	0 45	7 54	1 49	3 48	14 12	17 33	17 20	10 36	3 47	3 5	T 25
W26	21 2	3s 5	4 41	19 23	1 55	5 47	2 7	3 54	1 53	18 9	1 2	5 28	2 24	13 11	0 45	7 54	1 49	3 48	14 12	17 35	17 21	10 38	3 48	3 5	W26
T 27	21 13	7 7	4 58	19 1	2 11	6 10	2 9	3 37	1 53	18 7	1 2	5 28	2 24	13 10	0 45	7 53	1 49	3 48	14 12	17 37	17 22	10 40	3 49	3 5	T 27
F 28	21 23	10 52	5 2	18 40	2 27	6 32	2 10	3 20	1 54	18 5	1 2	5 28	2 23	13 10	0 45	7 53	1 49	3 49	14 12	17 40	17 23	10 42	3 50	3 5	F 28
S 29	21 33	14 12	4 53	18 19	2 42	6 55	2 12	3 3	1 54	18 4	1 2	5 27	2 23	13 10	0 45	7 53	1 49	3 49	14 12	17 44	17 23	10 44	3 50	3 5	S 29
S 30	21 42	16 59	4 31	17 59	2 56	7 17	2 13	2 46	1 55	18 2	1 2	5 27	2 23	13 9	0 45	7 52	1 49	3 49	14 12	17 47	17 24	10 46	3 51	3 5	S 30
M31	21n51	19s 3	3n57	17n41	3s 9	7n40	2s15	2s29	1s55	18s 1	1n 1	5n26	2n23	13n 9	0n45	7s52	1n49	3n49	14s12	17n49	17n25	10s48	3n52	3n 5	M31

Julian Day Number = 2315429.5, Delta T = 60.13 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'20, Lahiri = 18°39'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

JUNE 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 36 32	10♊ 0'25	0♋42	2°R25	26♈16	28♓55	24°R41	21♍49	27♎18	24°R35	19♉ 2	9°R41	11♎15	12♏55	2♈38	T 1
W 2	16 40 29	10°57'47	12°58	1♊59	27°22	29°38	24♏33	21°50	27°20	24♎34	19° 4	9♎35	11°12	13° 2	2°40	W 2
T 3	16 44 25	11°55'08	25°24	1°37	28°27	0♈22	24°26	21°51	27°21	24°33	19° 5	9°32	11° 9	13° 9	2°42	T 3
F 4	16 48 22	12°52'29	8♒ 2	1°19	29°33	1° 5	24°19	21°52	27°23	24°32	19° 6	9°D31	11° 6	13°15	2°44	F 4
S 5	16 52 18	13°49'49	20°54	1° 4	0♉40	1°49	24°13	21°53	27°24	24°31	19° 7	9°31	11° 3	13°22	2°45	S 5
S 6	16 56 15	14°47'09	4♓ 4	0°53	1°46	2°32	24° 6	21°54	27°26	24°30	19° 9	9°32	10°59	13°29	2°47	S 6
M 7	17 0 11	15°44'28	17°35	0°46	2°52	3°15	23°59	21°55	27°28	24°29	19°10	9°R33	10°56	13°36	2°49	M 7
T 8	17 4 8	16°41'47	1♈28	0°D44	3°59	3°59	23°53	21°57	27°29	24°28	19°11	9°32	10°53	13°42	2°50	T 8
W 9	17 8 5	17°39'05	15°44	0°46	5° 6	4°42	23°46	21°58	27°31	24°28	19°12	9°29	10°50	13°49	2°52	W 9
T 10	17 12 1	18°36'23	0♉20	0°52	6°13	5°25	23°40	22° 0	27°33	24°27	19°14	9°24	10°47	13°56	2°53	T 10
F 11	17 15 58	19°33'41	15°13	1° 4	7°20	6° 8	23°33	22° 2	27°35	24°26	19°15	9°18	10°44	14° 3	2°54	F 11
S 12	17 19 54	20°30'59	0♊15	1°20	8°27	6°51	23°27	22° 3	27°37	24°25	19°16	9°10	10°40	14° 9	2°56	S 12
S 13	17 23 51	21°28'16	15°17	1°40	9°34	7°34	23°21	22° 5	27°39	24°24	19°17	9° 3	10°37	14°16	2°57	S 13
M14	17 27 47	22°25'32	0♋ 8	2° 5	10°42	8°17	23°15	22° 7	27°41	24°24	19°18	8°57	10°34	14°23	2°58	M14
T 15	17 31 44	23°22'49	14°43	2°34	11°49	8°59	23°10	22° 9	27°43	24°23	19°19	8°53	10°31	14°29	2°59	T 15
W16	17 35 40	24°20'04	28°53	3° 8	12°57	9°42	23° 4	22°12	27°45	24°22	19°21	8°51	10°28	14°36	3° 1	W16
T 17	17 39 37	25°17'19	12♎36	3°47	14° 5	10°24	22°58	22°14	27°47	24°22	19°22	8°D51	10°25	14°43	3° 2	T 17
F 18	17 43 34	26°14'33	25°53	4°29	15°12	11° 7	22°53	22°16	27°49	24°21	19°23	8°52	10°21	14°50	3° 3	F 18
S 19	17 47 30	27°11'47	8♍46	5°16	16°20	11°49	22°48	22°19	27°51	24°21	19°24	8°53	10°18	14°56	3° 4	S 19
S 20	17 51 27	28° 9'00	21°17	6° 7	17°28	12°31	22°43	22°21	27°54	24°20	19°25	8°54	10°15	15° 3	3° 5	S 20
M21	17 55 23	29° 6'12	3♎32	7° 3	18°37	13°14	22°38	22°24	27°56	24°20	19°26	8°R54	10°12	15°10	3° 5	M21
T 22	17 59 20	0♋ 3'24	15°35	8° 2	19°45	13°56	22°33	22°27	27°58	24°19	19°27	8°53	10° 9	15°16	3° 6	T 22
W23	18 3 16	1° 0'35	27°30	9° 5	20°53	14°38	22°28	22°29	28° 1	24°19	19°28	8°50	10° 5	15°23	3° 7	W23
T 24	18 7 13	1°57'46	9♏22	10°13	22° 2	15°20	22°24	22°32	28° 3	24°18	19°29	8°45	10° 2	15°30	3° 8	T 24
F 25	18 11 9	2°54'57	21°15	11°24	23°10	16° 1	22°20	22°35	28° 6	24°18	19°30	8°40	9°59	15°37	3° 8	F 25
S 26	18 15 6	3°52'07	3♐12	12°39	24°19	16°43	22°15	22°38	28° 8	24°18	19°31	8°34	9°56	15°43	3° 9	S 26
S 27	18 19 3	4°49'18	15°15	13°58	25°28	17°25	22°11	22°42	28°11	24°17	19°32	8°28	9°53	15°50	3° 9	S 27
M28	18 22 59	5°46'28	27°27	15°21	26°36	18° 6	22° 7	22°45	28°13	24°17	19°33	8°23	9°50	15°57	3°10	M28
T 29	18 26 56	6°43'38	9♑47	16°47	27°45	18°48	22° 4	22°48	28°16	24°17	19°34	8°19	9°46	16° 4	3°10	T 29
W30	18 30 52	7♋40'48	22♑18	18♊17	28♉54	19♈29	22♏ 0	22♍52	28♎19	24♎17	19♉35	8♎16	9♎43	16♏10	3♈11	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 0	20s17	3n12	17n23	3s21	8n 3	2s16	2s12	1s56	17s59	1n 1	5n26	2n23	13n 8	0n45	7s52	1n49	3n50	14s12	17n52	17n26	10s50	3n53	3n 5
W 2	22 8	20 35	2 17	17 8	3 32	8 25	2 17	1 55	1 56	17 57	1 1	5 26	2 22	13 8	0 45	7 51	1 49	3 50	14 12	17 53	17 27	10 52	3 54	3 5
T 3	22 16	19 52	1 15	16 54	3 42	8 48	2 18	1 38	1 57	17 56	1 1	5 25	2 22	13 7	0 45	7 51	1 48	3 50	14 12	17 54	17 28	10 54	3 55	3 5
F 4	22 23	18 10	0 8	16 42	3 50	9 10	2 19	1 22	1 57	17 54	1 1	5 24	2 22	13 6	0 45	7 51	1 48	3 50	14 12	17 54	17 29	10 56	3 55	3 5
S 5	22 30	15 31	1s 1	16 33	3 57	9 32	2 20	1 5	1 58	17 53	1 1	5 24	2 22	13 6	0 45	7 50	1 48	3 51	14 12	17 54	17 29	10 58	3 56	3 6
S 6	22 37	12 1	2 8	16 25	4 3	9 55	2 21	0 48	1 58	17 51	1 0	5 23	2 22	13 5	0 45	7 50	1 48	3 51	14 12	17 54	17 30	11 1	3 57	3 6
M 7	22 43	7 49	3 10	16 19	4 7	10 17	2 21	0 31	1 59	17 50	1 0	5 22	2 21	13 5	0 45	7 50	1 48	3 51	14 12	17 54	17 31	11 3	3 58	3 6
T 8	22 49	3 7	4 2	16 16	4 10	10 39	2 21	0 14	1 59	17 48	1 0	5 22	2 21	13 4	0 45	7 49	1 48	3 51	14 13	17 54	17 32	11 5	3 58	3 6
W 9	22 55	1n53	4 41	16 14	4 12	11 1	2 22	0n 2	2 0	17 47	1 0	5 21	2 21	13 3	0 45	7 49	1 48	3 52	14 13	17 55	17 33	11 7	3 59	3 6
T 10	23 0	6 53	5 3	16 15	4 13	11 23	2 22	0 19	2 0	17 46	1 0	5 20	2 21	13 3	0 45	7 49	1 48	3 52	14 13	17 56	17 34	11 9	4 0	3 6
F 11	23 4	11 34	5 5	16 17	4 13	11 45	2 22	0 36	2 0	17 44	1 0	5 19	2 21	13 2	0 45	7 49	1 48	3 52	14 13	17 58	17 35	11 11	4 0	3 6
S 12	23 9	15 34	4 47	16 22	4 11	12 6	2 22	0 52	2 1	17 43	0 59	5 18	2 20	13 1	0 44	7 48	1 48	3 52	14 13	18 0	17 36	11 13	4 1	3 6
S 13	23 13	18 34	4 8	16 29	4 9	12 28	2 22	1 9	2 1	17 42	0 59	5 17	2 20	13 1	0 44	7 48	1 48	3 52	14 13	18 2	17 36	11 15	4 1	3 6
M14	23 16	20 16	3 13	16 37	4 5	12 49	2 22	1 26	2 2	17 40	0 59	5 16	2 20	13 0	0 44	7 48	1 48	3 52	14 13	18 3	17 37	11 17	4 2	3 6
T 15	23 19	20 34	2 7	16 47	4 1	13 10	2 21	1 42	2 2	17 39	0 59	5 15	2 20	12 59	0 44	7 48	1 48	3 53	14 13	18 4	17 38	11 19	4 3	3 7
W16	23 22	19 33	0 54	16 59	3 55	13 31	2 21	1 58	2 2	17 38	0 59	5 14	2 19	12 58	0 44	7 48	1 48	3 53	14 14	18 5	17 39	11 21	4 3	3 7
T 17	23 24	17 23	0n20	17 12	3 49	13 51	2 20	2 15	2 3	17 37	0 58	5 13	2 19	12 58	0 44	7 47	1 48	3 53	14 14	18 5	17 40	11 23	4 4	3 7
F 18	23 26	14 20	1 31	17 26	3 42	14 12	2 20	2 31	2 3	17 36	0 58	5 12	2 19	12 57	0 44	7 47	1 48	3 53	14 14	18 5	17 41	11 25	4 4	3 7
S 19	23 27	10 42	2 35	17 42	3 34	14 32	2 19	2 47	2 3	17 34	0 58	5 11	2 19	12 56	0 44	7 47	1 48	3 53	14 14	18 4	17 42	11 27	4 5	3 7
S 20	23 28	6 40	3 30	17 59	3 26	14 52	2 18	3 4	2 4	17 33	0 58	5 10	2 19	12 55	0 44	7 47	1 48	3 53	14 14	18 4	17 42	11 29	4 5	3 7
M21	23 29	2 28	4 13	18 17	3 17	15 12	2 17	3 20	2 4	17 32	0 58	5 8	2 18	12 54	0 44	7 47	1 48	3 53	14 14	18 4	17 43	11 31	4 5	3 7
T 22	23 29	1s45	4 45	18 36	3 7	15 31	2 16	3 36	2 4	17 31	0 57	5 7	2 18	12 53	0 44	7 47	1 48	3 54	14 14	18 4	17 44	11 33	4 6	3 7
W23	23 29	5 52	5 4	18 56	2 57	15 50	2 15	3 52	2 4	17 30	0 57	5 6	2 18	12 53	0 44	7 47	1 48	3 54	14 15	18 5	17 45	11 35	4 6	3 7
T 24	23 28	9 44	5 10	19 16	2 47	16 9	2 14	4 8	2 5	17 29	0 57	5 5	2 18	12 52	0 44	7 47	1 47	3 54	14 15	18 6	17 46	11 37	4 7	3 7
F 25	23 27	13 14	5 3	19 37	2 36	16 27	2 13	4 24	2 5	17 28	0 57	5 3	2 18	12 51	0 44	7 46	1 47	3 54	14 15	18 8	17 47	11 38	4 7	3 8
S 26	23 26	16 13	4 42	19 58	2 24	16 45	2 12	4 39	2 5	17 28	0 56	5 2	2 17	12 50	0 44	7 46	1 47	3 54	14 15	18 9	17 48	11 40	4 7	3 8
S 27	23 24	18 32	4 9	20 19	2 13	17 3	2 10	4 55	2 5	17 27	0 56	5 0	2 17	12 49	0 44	7 46	1 47	3 54	14 15	18 11	17 48	11 42	4 8	3 8
M28	23 22	20 3	3 24	20 41	2 1	17 21	2 9	5 11	2 6	17 26	0 56	4 59	2 17	12 48	0 44	7 46	1 47	3 54	14 15	18 12	17 49	11 44	4 8	3 8
T 29	23 19	20 39	2 29	21 2	1 48	17 38	2 7	5 26	2 6	17 25	0 56	4 57	2 17	12 47	0 44	7 46	1 47	3 54	14 16	18 13	17 50	11 46	4 8	3 8
W30	23n16	20s13	1n26	21n22	1s36	17n55	2s 6	5n42	2s 6	17s25	0n55	4n56	2n17	12n46	0n44	7s46	1n47	3n54	14s16	18n14	17n51	11s48	4n 9	3n 8

Julian Day Number = 2315460.5, Delta T = 60.06 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'24, Lahiri = 18°39'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

JULY 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 34 49	8♋37'58	5♒ 1	19♊51	0♊ 3	20♈10	21°R57	22♍55	28♌21	24°R17	19♉36	8°D15	9♌40	16♏17	3♈11	T 1
F 2	18 38 45	9°35'08	17°56	21°28	1°13	20°51	21♏54	22°59	28°24	24♎16	19°37	8♌15	9°37	16°24	3°11	F 2
S 3	18 42 42	10°32'19	1♓ 4	23° 9	2°22	21°32	21°51	23° 3	28°27	24°16	19°38	8°16	9°34	16°30	3°12	S 3
S 4	18 46 39	11°29'30	14°26	24°52	3°31	22°13	21°48	23° 6	28°30	24°16	19°39	8°18	9°31	16°37	3°12	S 4
M 5	18 50 35	12°26'41	28° 3	26°40	4°41	22°54	21°45	23°10	28°33	24°16	19°40	8°19	9°27	16°44	3°12	M 5
T 6	18 54 32	13°23'53	11♈56	28°30	5°50	23°34	21°43	23°14	28°36	24°D16	19°41	8°R20	9°24	16°51	3°12	T 6
W 7	18 58 28	14°21'05	26° 5	0♋23	7° 0	24°15	21°40	23°18	28°38	24°16	19°42	8°19	9°21	16°57	3°R12	W 7
T 8	19 2 25	15°18'18	10♉27	2°19	8°10	24°55	21°38	23°22	28°41	24°16	19°43	8°18	9°18	17° 4	3°12	T 8
F 9	19 6 21	16°15'31	24°59	4°17	9°19	25°36	21°36	23°27	28°44	24°16	19°43	8°16	9°15	17°11	3°12	F 9
S 10	19 10 18	17°12'46	9♊37	6°18	10°29	26°16	21°34	23°31	28°47	24°16	19°44	8°13	9°11	17°18	3°12	S 10
S 11	19 14 14	18°10'00	24°14	8°21	11°39	26°56	21°33	23°35	28°50	24°16	19°45	8°10	9° 8	17°24	3°11	S 11
M12	19 18 11	19° 7'16	8♋45	10°25	12°49	27°35	21°31	23°40	28°53	24°17	19°46	8° 8	9° 5	17°31	3°11	M12
T 13	19 22 8	20° 4'31	23° 2	12°30	13°59	28°15	21°30	23°44	28°57	24°17	19°47	8° 7	9° 2	17°38	3°11	T 13
W14	19 26 4	21° 1'48	7♌ 1	14°37	15°10	28°55	21°29	23°49	29° 0	24°17	19°47	8°D 6	8°59	17°44	3°11	W14
T 15	19 30 1	21°59'04	20°39	16°44	16°20	29°34	21°28	23°53	29° 3	24°17	19°48	8° 7	8°56	17°51	3°10	T 15
F 16	19 33 57	22°56'21	3♍55	18°52	17°30	0♉13	21°28	23°58	29° 6	24°18	19°49	8° 8	8°52	17°58	3°10	F 16
S 17	19 37 54	23°53'38	16°48	21° 0	18°41	0°52	21°27	24° 3	29° 9	24°18	19°49	8° 9	8°49	18° 5	3° 9	S 17
S 18	19 41 50	24°50'56	29°22	23° 8	19°51	1°31	21°27	24° 8	29°13	24°18	19°50	8°10	8°46	18°11	3° 9	S 18
M19	19 45 47	25°48'13	11♎39	25°15	21° 2	2°10	21°D27	24°13	29°16	24°19	19°51	8°11	8°43	18°18	3° 8	M19
T 20	19 49 43	26°45'32	23°44	27°22	22°12	2°49	21°27	24°18	29°19	24°19	19°51	8°R11	8°40	18°25	3° 7	T 20
W21	19 53 40	27°42'50	5♏40	29°28	23°23	3°27	21°27	24°23	29°22	24°20	19°52	8°11	8°37	18°31	3° 6	W21
T 22	19 57 37	28°40'10	17°34	1♌32	24°34	4° 5	21°27	24°28	29°26	24°20	19°53	8°10	8°33	18°38	3° 6	T 22
F 23	20 1 33	29°37'29	29°28	3°36	25°44	4°43	21°28	24°33	29°29	24°21	19°53	8°10	8°30	18°45	3° 5	F 23
S 24	20 5 30	0♌34'50	11♐27	5°39	26°55	5°21	21°29	24°39	29°32	24°21	19°54	8° 9	8°27	18°52	3° 4	S 24
S 25	20 9 26	1°32'10	23°36	7°40	28° 6	5°59	21°30	24°44	29°36	24°22	19°54	8° 8	8°24	18°58	3° 3	S 25
M26	20 13 23	2°29'32	5♑55	9°40	29°17	6°37	21°31	24°49	29°39	24°22	19°55	8° 7	8°21	19° 5	3° 2	M26
T 27	20 17 19	3°26'54	18°28	11°38	0♋28	7°14	21°32	24°55	29°43	24°23	19°55	8° 6	8°17	19°12	3° 1	T 27
W28	20 21 16	4°24'17	1♒16	13°35	1°40	7°51	21°34	25° 0	29°46	24°24	19°56	8° 6	8°14	19°19	3° 0	W28
T 29	20 25 12	5°21'41	14°19	15°30	2°51	8°28	21°35	25° 6	29°50	24°24	19°56	8°D 6	8°11	19°25	2°59	T 29
F 30	20 29 9	6°19'06	27°37	17°23	4° 2	9° 5	21°37	25°12	29°53	24°25	19°57	8° 6	8° 8	19°32	2°58	F 30
S 31	20 33 6	7♌16'32	11♓ 9	19♌15	5♋13	9♉42	21♏39	25♍17	29♌57	24♎26	19♉57	8♌ 6	8♌ 5	19♏39	2♈56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n12	18s46	0n18	21n43	1s24	18n11	2s 4	5n57	2s 6	17s24	0n55	4n54	2n17	12n45	0n44	7s46	1n47	3n54	14s16	18n14	17n52	11s50	4n 9	3n 8
F 2	23 8	16 20	0s53	22 2	1 11	18 27	2 2	6 12	2 6	17 23	0 55	4 53	2 16	12 44	0 44	7 46	1 47	3 54	14 16	18 14	17 53	11 52	4 9	3 8
S 3	23 4	13 1	2 2	22 20	0 58	18 43	2 0	6 27	2 7	17 23	0 55	4 51	2 16	12 43	0 44	7 46	1 47	3 54	14 16	18 14	17 54	11 54	4 9	3 8
S 4	22 59	8 59	3 6	22 38	0 46	18 58	1 58	6 42	2 7	17 22	0 55	4 49	2 16	12 42	0 44	7 46	1 47	3 54	14 17	18 14	17 54	11 56	4 9	3 9
M 5	22 54	4 27	4 0	22 53	0 33	19 12	1 56	6 57	2 7	17 22	0 54	4 48	2 16	12 41	0 44	7 46	1 47	3 55	14 17	18 13	17 55	11 58	4 9	3 9
T 6	22 49	0n24	4 42	23 8	0 21	19 27	1 54	7 12	2 7	17 22	0 54	4 46	2 16	12 40	0 44	7 46	1 47	3 55	14 17	18 13	17 56	12 0	4 10	3 9
W 7	22 43	5 19	5 7	23 20	0 9	19 41	1 52	7 27	2 7	17 21	0 54	4 44	2 15	12 39	0 44	7 46	1 47	3 55	14 17	18 13	17 57	12 2	4 10	3 9
T 8	22 36	10 0	5 14	23 31	0n 3	19 54	1 50	7 42	2 7	17 21	0 54	4 42	2 15	12 38	0 44	7 46	1 47	3 55	14 17	18 14	17 58	12 4	4 10	3 9
F 9	22 30	14 11	5 1	23 39	0 14	20 7	1 48	7 56	2 7	17 21	0 53	4 40	2 15	12 37	0 44	7 47	1 47	3 55	14 18	18 14	17 59	12 6	4 10	3 9
S 10	22 23	17 30	4 29	23 45	0 25	20 19	1 46	8 11	2 7	17 20	0 53	4 39	2 15	12 36	0 44	7 47	1 47	3 55	14 18	18 15	17 59	12 8	4 10	3 9
S 11	22 15	19 43	3 39	23 49	0 36	20 31	1 43	8 25	2 7	17 20	0 53	4 37	2 15	12 35	0 44	7 47	1 47	3 55	14 18	18 15	18 0	12 10	4 10	3 9
M12	22 7	20 37	2 35	23 50	0 45	20 43	1 41	8 39	2 7	17 20	0 53	4 35	2 15	12 34	0 44	7 47	1 46	3 55	14 18	18 16	18 1	12 12	4 10	3 9
T 13	21 59	20 10	1 22	23 48	0 55	20 54	1 38	8 53	2 7	17 20	0 52	4 33	2 14	12 33	0 44	7 47	1 46	3 54	14 19	18 16	18 2	12 14	4 10	3 9
W14	21 50	18 27	0 6	23 44	1 3	21 4	1 36	9 7	2 7	17 20	0 52	4 31	2 14	12 32	0 44	7 47	1 46	3 54	14 19	18 17	18 3	12 16	4 10	3 10
T 15	21 41	15 43	1n 9	23 36	1 11	21 14	1 33	9 21	2 7	17 20	0 52	4 29	2 14	12 30	0 44	7 47	1 46	3 54	14 19	18 16	18 4	12 18	4 10	3 10
F 16	21 32	12 14	2 18	23 27	1 18	21 23	1 31	9 35	2 7	17 20	0 52	4 27	2 14	12 29	0 44	7 47	1 46	3 54	14 19	18 16	18 5	12 20	4 10	3 10
S 17	21 22	8 15	3 18	23 14	1 24	21 32	1 28	9 49	2 7	17 20	0 51	4 25	2 14	12 28	0 44	7 48	1 46	3 54	14 20	18 16	18 5	12 22	4 10	3 10
S 18	21 12	4 2	4 7	22 59	1 30	21 40	1 26	10 2	2 7	17 20	0 51	4 23	2 14	12 27	0 43	7 48	1 46	3 54	14 20	18 16	18 6	12 24	4 9	3 10
M19	21 2	0s16	4 43	22 41	1 35	21 48	1 23	10 16	2 7	17 20	0 51	4 21	2 13	12 26	0 43	7 48	1 46	3 54	14 20	18 15	18 7	12 26	4 9	3 10
T 20	20 51	4 29	5 6	22 20	1 39	21 55	1 20	10 29	2 7	17 21	0 51	4 18	2 13	12 25	0 43	7 48	1 46	3 54	14 20	18 15	18 8	12 28	4 9	3 10
W21	20 40	8 28	5 16	21 58	1 42	22 2	1 17	10 42	2 7	17 21	0 50	4 16	2 13	12 24	0 43	7 48	1 46	3 54	14 20	18 15	18 9	12 30	4 9	3 10
T 22	20 28	12 6	5 12	21 33	1 44	22 8	1 15	10 55	2 7	17 21	0 50	4 14	2 13	12 22	0 43	7 49	1 46	3 54	14 21	18 15	18 10	12 32	4 9	3 10
F 23	20 16	15 16	4 55	21 6	1 46	22 13	1 12	11 8	2 7	17 22	0 50	4 12	2 13	12 21	0 43	7 49	1 46	3 54	14 21	18 16	18 10	12 34	4 8	3 10
S 24	20 4	17 50	4 25	20 37	1 47	22 18	1 9	11 21	2 7	17 22	0 50	4 10	2 13	12 20	0 43	7 49	1 46	3 54	14 21	18 16	18 11	12 36	4 8	3 11
S 25	19 51	19 38	3 42	20 7	1 47	22 22	1 6	11 33	2 6	17 23	0 49	4 7	2 13	12 19	0 43	7 49	1 46	3 54	14 21	18 16	18 12	12 38	4 8	3 11
M26	19 39	20 32	2 49	19 35	1 47	22 26	1 3	11 46	2 6	17 23	0 49	4 5	2 12	12 17	0 43	7 50	1 46	3 54	14 22	18 16	18 13	12 40	4 7	3 11
T 27	19 25	20 27	1 47	19 2	1 46	22 29	1 0	11 58	2 6	17 24	0 49	4 3	2 12	12 16	0 43	7 50	1 46	3 53	14 22	18 17	18 14	12 42	4 7	3 11
W28	19 12	19 18	0 38	18 27	1 44	22 31	0 57	12 10	2 6	17 24	0 49	4 1	2 12	12 15	0 43	7 50	1 46	3 53	14 22	18 17	18 14	12 43	4 7	3 11
T 29	18 58	17 7	0s34	17 51	1 42	22 33	0 55	12 22	2 6	17 25	0 48	3 58	2 12	12 14	0 43	7 51	1 46	3 53	14 22	18 17	18 15	12 45	4 6	3 11
F 30	18 44	13 59	1 46	17 14	1 40	22 34	0 52	12 34	2 5	17 26	0 48	3 56	2 12	12 13	0 43	7 51	1 45	3 53	14 23	18 17	18 16	12 47	4 6	3 11
S 31	18n29	10s 4	2s53	16n36	1n36	22n34	0s49	12n46	2s 5	17s27	0n48	3n53	2n12	12n11	0n43	7s51	1n45	3n53	14s23	18n17	18n17	12s49	4n 6	3n11

Julian Day Number = 2315490.5, Delta T = 60.00 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'28, Lahiri = 18°39'29Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1627
geocentric

AUGUST 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 37 2	8♌13'59	24♓53	21♌ 6	6♋25	10♉18	21♏41	25♍23	0♍ 0	24♎27	19♉58	8°R 6	8♌ 2	19♏45	2°R55	S 1
M 2	20 40 59	9°11'28	8♈48	22°55	7°36	10°55	21°44	25°29	0° 4	24°28	19°58	8♌ 6	7°58	19°52	2♈54	M 2
T 3	20 44 55	10° 8'57	22°51	24°42	8°48	11°31	21°46	25°35	0° 7	24°28	19°58	8° 6	7°55	19°59	2°52	T 3
W 4	20 48 52	11° 6'29	7♉ 1	26°28	10° 0	12° 6	21°49	25°41	0°11	24°29	19°59	8°D 6	7°52	20° 6	2°51	W 4
T 5	20 52 48	12° 4'01	21°16	28°12	11°11	12°42	21°52	25°47	0°15	24°30	19°59	8° 6	7°49	20°12	2°49	T 5
F 6	20 56 45	13° 1'35	5♊32	29°55	12°23	13°17	21°55	25°53	0°18	24°31	19°59	8° 6	7°46	20°19	2°48	F 6
S 7	21 0 41	13°59'11	19°46	1♍36	13°35	13°53	21°58	25°59	0°22	24°32	20° 0	8° 7	7°43	20°26	2°46	S 7
S 8	21 4 38	14°56'48	3♋57	3°15	14°47	14°28	22° 2	26° 5	0°26	24°33	20° 0	8° 7	7°39	20°32	2°45	S 8
M 9	21 8 35	15°54'26	18° 0	4°54	15°59	15° 2	22° 5	26°11	0°29	24°34	20° 0	8° 8	7°36	20°39	2°43	M 9
T 10	21 12 31	16°52'06	1♌52	6°30	17°11	15°37	22° 9	26°18	0°33	24°35	20° 0	8°R 8	7°33	20°46	2°41	T 10
W11	21 16 28	17°49'47	15°31	8° 5	18°23	16°11	22°13	26°24	0°37	24°36	20° 1	8° 8	7°30	20°53	2°39	W11
T 12	21 20 24	18°47'30	28°53	9°39	19°35	16°45	22°17	26°30	0°40	24°38	20° 1	8° 8	7°27	20°59	2°38	T 12
F 13	21 24 21	19°45'14	11♍59	11°11	20°47	17°18	22°21	26°37	0°44	24°39	20° 1	8° 7	7°23	21° 6	2°36	F 13
S 14	21 28 17	20°42'58	24°47	12°42	22° 0	17°52	22°26	26°43	0°48	24°40	20° 1	8° 5	7°20	21°13	2°34	S 14
S 15	21 32 14	21°40'45	7♎18	14°11	23°12	18°25	22°30	26°50	0°51	24°41	20° 1	8° 3	7°17	21°19	2°32	S 15
M16	21 36 10	22°38'32	19°35	15°39	24°24	18°58	22°35	26°56	0°55	24°42	20° 1	8° 1	7°14	21°26	2°30	M16
T 17	21 40 7	23°36'21	1♏40	17° 5	25°37	19°30	22°40	27° 3	0°59	24°44	20° 1	8° 0	7°11	21°33	2°28	T 17
W18	21 44 4	24°34'10	13°36	18°29	26°49	20° 2	22°45	27° 9	1° 3	24°45	20° 1	7°59	7° 8	21°40	2°26	W18
T 19	21 48 0	25°32'01	25°30	19°52	28° 2	20°34	22°50	27°16	1° 6	24°46	20° 1	7°D58	7° 4	21°46	2°24	T 19
F 20	21 51 57	26°29'54	7♐24	21°14	29°14	21° 6	22°56	27°23	1°10	24°48	20°R 1	7°59	7° 1	21°53	2°22	F 20
S 21	21 55 53	27°27'47	19°23	22°34	0♌27	21°38	23° 1	27°29	1°14	24°49	20° 1	8° 0	6°58	22° 0	2°20	S 21
S 22	21 59 50	28°25'42	1♑33	23°52	1°40	22° 9	23° 7	27°36	1°18	24°50	20° 1	8° 1	6°55	22° 7	2°18	S 22
M23	22 3 46	29°23'39	13°57	25° 8	2°52	22°39	23°13	27°43	1°21	24°52	20° 1	8° 3	6°52	22°13	2°15	M23
T 24	22 7 43	0♍21'36	26°39	26°22	4° 5	23°10	23°19	27°50	1°25	24°53	20° 1	8° 4	6°48	22°20	2°13	T 24
W25	22 11 39	1°19'35	9♒40	27°35	5°18	23°40	23°25	27°57	1°29	24°55	20° 1	8°R 4	6°45	22°27	2°11	W25
T 26	22 15 36	2°17'36	23° 2	28°46	6°31	24°10	23°31	28° 4	1°33	24°56	20° 1	8° 4	6°42	22°33	2° 8	T 26
F 27	22 19 32	3°15'38	6♓43	29°55	7°44	24°39	23°38	28°10	1°36	24°58	20° 1	8° 2	6°39	22°40	2° 6	F 27
S 28	22 23 29	4°13'42	20°42	1♎ 1	8°57	25° 8	23°44	28°17	1°40	24°59	20° 1	7°59	6°36	22°47	2° 4	S 28
S 29	22 27 26	5°11'47	4♈55	2° 5	10°10	25°37	23°51	28°24	1°44	25° 1	20° 1	7°55	6°33	22°54	2° 1	S 29
M30	22 31 22	6° 9'55	19°16	3° 7	11°23	26° 5	23°58	28°31	1°48	25° 2	20° 0	7°51	6°29	23° 0	1°59	M30
T 31	22 35 19	7♍ 8'04	3♉40	4♎ 7	12♌37	26♉33	24♏ 5	28♍39	1♍51	25♎ 4	20♉ 0	7♌47	6♌26	23♏ 7	1♈56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	18n15	5s34	3s51	15n57	1n33	22n34	0s46	12n58	2s 5	17s27	0n48	3n51	2n12	12n10	0n43	7s52	1n45	3n53	14s23	18n17	18n18	12s51	4n 5	3n11	
M 2	17 59	0 45	4 37	15 18	1 28	22 33	0 43	13 9	2 5	17 28	0 47	3 49	2 11	12 9	0 43	7 52	1 45	3 53	14 24	18 17	18 19	12 53	4 5	3 11	
T 3	17 44	4n10	5 6	14 38	1 24	22 32	0 40	13 21	2 4	17 29	0 47	3 46	2 11	12 7	0 43	7 52	1 45	3 52	14 24	18 17	18 19	12 55	4 4	3 11	
W 4	17 28	8 53	5 17	13 57	1 19	22 30	0 37	13 32	2 4	17 30	0 47	3 44	2 11	12 6	0 43	7 53	1 45	3 52	14 24	18 17	18 20	12 57	4 4	3 11	
T 5	17 13	13 9	5 9	13 16	1 13	22 27	0 34	13 43	2 4	17 31	0 47	3 41	2 11	12 5	0 43	7 53	1 45	3 52	14 24	18 17	18 21	12 59	4 3	3 12	
F 6	16 56	16 39	4 41	12 35	1 8	22 24	0 31	13 54	2 3	17 32	0 46	3 39	2 11	12 4	0 43	7 53	1 45	3 52	14 25	18 17	18 22	13 1	4 3	3 12	
S 7	16 40	19 9	3 57	11 53	1 1	22 20	0 28	14 5	2 3	17 33	0 46	3 36	2 11	12 2	0 43	7 54	1 45	3 52	14 25	18 16	18 23	13 3	4 2	3 12	
S 8	16 23	20 27	2 58	11 11	0 55	22 15	0 25	14 15	2 3	17 34	0 46	3 34	2 11	12 1	0 43	7 54	1 45	3 51	14 25	18 16	18 24	13 5	4 1	3 12	
M 9	16 6	20 28	1 49	10 29	0 48	22 10	0 22	14 26	2 2	17 35	0 46	3 31	2 11	12 0	0 43	7 55	1 45	3 51	14 25	18 16	18 24	13 7	4 1	3 12	
T 10	15 49	19 13	0 35	9 47	0 41	22 4	0 19	14 36	2 2	17 37	0 46	3 28	2 11	11 58	0 43	7 55	1 45	3 51	14 26	18 16	18 25	13 9	4 0	3 12	
W11	15 31	16 52	0n41	9 5	0 34	21 58	0 16	14 47	2 1	17 38	0 45	3 26	2 10	11 57	0 43	7 56	1 45	3 51	14 26	18 16	18 26	13 11	4 0	3 12	
T 12	15 13	13 38	1 52	8 22	0 26	21 51	0 13	14 57	2 1	17 39	0 45	3 23	2 10	11 56	0 43	7 56	1 45	3 51	14 26	18 16	18 27	13 13	3 59	3 12	
F 13	14 55	9 48	2 56	7 40	0 19	21 43	0 10	15 6	2 0	17 40	0 45	3 21	2 10	11 54	0 43	7 57	1 45	3 50	14 27	18 16	18 28	13 14	3 58	3 12	
S 14	14 37	5 36	3 50	6 58	0 11	21 34	0 7	15 16	2 0	17 42	0 45	3 18	2 10	11 53	0 43	7 57	1 45	3 50	14 27	18 17	18 28	13 16	3 58	3 12	
S 15	14 18	1 15	4 31	6 16	0 2	21 25	0 4	15 26	1 59	17 43	0 44	3 15	2 10	11 52	0 43	7 58	1 45	3 50	14 27	18 17	18 29	13 18	3 57	3 12	
M16	14 0	3s 3	4 59	5 35	0s 6	21 16	0 1	15 35	1 59	17 44	0 44	3 13	2 10	11 50	0 43	7 58	1 45	3 50	14 27	18 18	18 30	13 20	3 56	3 12	
T 17	13 41	7 10	5 14	4 53	0 14	21 6	0n 2	15 45	1 58	17 46	0 44	3 10	2 10	11 49	0 43	7 59	1 45	3 49	14 28	18 18	18 31	13 22	3 55	3 12	
W18	13 21	10 57	5 14	4 12	0 23	20 55	0 5	15 54	1 58	17 47	0 44	3 7	2 10	11 48	0 43	7 59	1 44	3 49	14 28	18 19	18 32	13 24	3 55	3 12	
T 19	13 2	14 18	5 1	3 32	0 32	20 43	0 8	16 3	1 57	17 49	0 44	3 4	2 10	11 46	0 43	8 0	1 44	3 49	14 28	18 19	18 32	13 26	3 54	3 12	
F 20	12 42	17 4	4 35	2 52	0 41	20 31	0 10	16 12	1 56	17 51	0 43	3 2	2 10	11 45	0 43	8 0	1 44	3 49	14 28	18 19	18 33	13 28	3 53	3 12	
S 21	12 23	19 7	3 57	2 12	0 50	20 19	0 13	16 20	1 56	17 52	0 43	2 59	2 10	11 44	0 43	8 1	1 44	3 48	14 29	18 18	18 34	13 30	3 52	3 12	
S 22	12 3	20 21	3 8	1 33	0 59	20 5	0 16	16 29	1 55	17 54	0 43	2 56	2 10	11 42	0 43	8 1	1 44	3 48	14 29	18 18	18 35	13 32	3 51	3 12	
M23	11 42	20 37	2 9	0 54	1 8	19 51	0 19	16 37	1 55	17 56	0 43	2 53	2 9	11 41	0 43	8 2	1 44	3 48	14 29	18 17	18 36	13 34	3 50	3 13	
T 24	11 22	19 51	1 2	0 16	1 17	19 37	0 21	16 46	1 54	17 57	0 42	2 51	2 9	11 40	0 43	8 2	1 44	3 48	14 29	18 17	18 36	13 36	3 50	3 13	
W25	11 1	18 0	0s 9	0s21	1 26	19 22	0 24	16 54	1 53	17 59	0 42	2 48	2 9	11 38	0 43	8 3	1 44	3 47	14 30	18 17	18 37	13 37	3 49	3 13	
T 26	10 41	15 9	1 21	0 58	1 36	19 7	0 27	17 2	1 52	18 1	0 42	2 45	2 9	11 37	0 43	8 4	1 44	3 47	14 30	18 17	18 38	13 39	3 48	3 13	
F 27	10 20	11 24	2 31	1 34	1 45	18 51	0 29	17 10	1 52	18 3	0 42	2 42	2 9	11 36	0 43	8 4	1 44	3 47	14 30	18 18	18 39	13 41	3 47	3 13	
S 28	9 59	6 57	3 33	2 9	1 54	18 34	0 32	17 18	1 51	18 4	0 42	2 39	2 9	11 34	0 43	8 5	1 44	3 46	14 31	18 19	18 40	13 43	3 46	3 13	
S 29	9 37	2 4	4 23	2 43	2 3	18 17	0 34	17 25	1 50	18 6	0 41	2 36	2 9	11 33	0 43	8 5	1 44	3 46	14 31	18 20	18 40	13 45	3 45	3 13	
M30	9 16	2n59	4 56	3 16	2 12	17 59	0 37	17 33	1 49	18 8	0 41	2 34	2 9	11 32	0 43	8 6	1 44	3 46	14 31	18 21	18 41	13 47	3 44	3 13	
T 31	8n55	7n52	5s12	3s48	2s21	17n41	0n39	17n40	1s48	18s10	0n41	2n31	2n 9	11n30	0n43	8s 7	1n44	3n46	14s31	18n21	18n42	13s49	3n43	3n13	

Julian Day Number = 2315521.5, Delta T = 59.93 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'33, Lahiri = 18°39'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

SEPTEMBER 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 39 15	8♍ 6'16	18♉ 2	5♎ 4	13♌50	27♉ 1	24♏12	28♍46	1♍55	25♎ 6	20°R 0	7°R45	6♌23	23♏14	1°R54	W 1
T 2	22 43 12	9° 4'29	2♊20	5°58	15° 3	27°28	24°19	28°53	1°59	25° 7	20♉ 0	7♌43	6°20	23°20	1♈51	T 2
F 3	22 47 8	10° 2'45	16°29	6°49	16°17	27°55	24°27	29° 0	2° 3	25° 9	19°59	7°D43	6°17	23°27	1°49	F 3
S 4	22 51 5	11° 1'03	0♋28	7°37	17°30	28°21	24°34	29° 7	2° 6	25°11	19°59	7°44	6°14	23°34	1°46	S 4
S 5	22 55 1	11°59'23	14°17	8°21	18°44	28°47	24°42	29°14	2°10	25°13	19°59	7°46	6°10	23°41	1°44	S 5
M 6	22 58 58	12°57'45	27°55	9° 2	19°57	29°13	24°50	29°21	2°14	25°14	19°58	7°47	6° 7	23°47	1°41	M 6
T 7	23 2 55	13°56'09	11♌21	9°39	21°11	29°38	24°58	29°29	2°17	25°16	19°58	7°R47	6° 4	23°54	1°39	T 7
W 8	23 6 51	14°54'35	24°35	10°12	22°24	0♊ 3	25° 6	29°36	2°21	25°18	19°58	7°46	6° 1	24° 1	1°36	W 8
T 9	23 10 48	15°53'03	7♍37	10°40	23°38	0°27	25°14	29°43	2°25	25°20	19°57	7°43	5°58	24° 7	1°33	T 9
F 10	23 14 44	16°51'33	20°26	11° 3	24°52	0°51	25°22	29°50	2°29	25°22	19°57	7°38	5°54	24°14	1°31	F 10
S 11	23 18 41	17°50'04	3♎ 3	11°21	26° 6	1°14	25°31	29°58	2°32	25°23	19°57	7°31	5°51	24°21	1°28	S 11
S 12	23 22 37	18°48'38	15°26	11°34	27°19	1°37	25°39	0♎ 5	2°36	25°25	19°56	7°24	5°48	24°28	1°25	S 12
M13	23 26 34	19°47'13	27°38	11°40	28°33	1°59	25°48	0°12	2°40	25°27	19°56	7°16	5°45	24°34	1°22	M13
T 14	23 30 30	20°45'51	9♏41	11°R41	29°47	2°21	25°57	0°20	2°43	25°29	19°55	7° 9	5°42	24°41	1°20	T 14
W15	23 34 27	21°44'30	21°36	11°35	1♍ 1	2°42	26° 6	0°27	2°47	25°31	19°55	7° 3	5°39	24°48	1°17	W15
T 16	23 38 24	22°43'10	3♐27	11°22	2°15	3° 3	26°15	0°34	2°50	25°33	19°54	6°59	5°35	24°54	1°14	T 16
F 17	23 42 20	23°41'53	15°19	11° 1	3°29	3°23	26°24	0°42	2°54	25°35	19°53	6°57	5°32	25° 1	1°11	F 17
S 18	23 46 17	24°40'37	27°16	10°34	4°43	3°43	26°33	0°49	2°58	25°37	19°53	6°D57	5°29	25° 8	1° 9	S 18
S 19	23 50 13	25°39'23	9♑24	9°59	5°58	4° 2	26°43	0°57	3° 1	25°39	19°52	6°58	5°26	25°15	1° 6	S 19
M20	23 54 10	26°38'11	21°47	9°18	7°12	4°20	26°52	1° 4	3° 5	25°41	19°52	6°59	5°23	25°21	1° 3	M20
T 21	23 58 6	27°37'01	4♒30	8°29	8°26	4°38	27° 2	1°11	3° 8	25°43	19°51	7°R 0	5°20	25°28	1° 0	T 21
W22	0 2 3	28°35'52	17°37	7°35	9°40	4°55	27°11	1°19	3°12	25°45	19°50	6°59	5°16	25°35	0°57	W22
T 23	0 5 59	29°34'45	1♓ 9	6°35	10°54	5°12	27°21	1°26	3°15	25°47	19°50	6°57	5°13	25°41	0°55	T 23
F 24	0 9 56	0♎33'40	15° 7	5°31	12° 9	5°28	27°31	1°34	3°19	25°49	19°49	6°52	5°10	25°48	0°52	F 24
S 25	0 13 53	1°32'37	29°29	4°24	13°23	5°44	27°41	1°41	3°22	25°51	19°48	6°45	5° 7	25°55	0°49	S 25
S 26	0 17 49	2°31'35	14♈ 8	3°15	14°37	5°58	27°51	1°48	3°25	25°53	19°48	6°37	5° 4	26° 2	0°46	S 26
M27	0 21 46	3°30'36	28°57	2° 7	15°52	6°12	28° 1	1°56	3°29	25°55	19°47	6°28	5° 0	26° 8	0°43	M27
T 28	0 25 42	4°29'40	13♉47	1° 2	17° 6	6°26	28°12	2° 3	3°32	25°57	19°46	6°20	4°57	26°15	0°41	T 28
W29	0 29 39	5°28'45	28°31	0° 0	18°21	6°39	28°22	2°11	3°36	25°59	19°46	6°13	4°54	26°22	0°38	W29
T 30	0 33 35	6♎27'53	13♊ 2	29♍ 4	19♍35	6♊51	28♏33	2♎18	3♍39	26♎ 2	19♉45	6♌ 8	4♌51	26♏28	0♈35	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n33	12n19	5s 8	4s19	2s30	17n22	0n42	17n47	1s48	18s12	0n41	2n28	2n 9	11n29	0n43	8s 7	1n44	3n45	14s32	18n22	18n43	13s51	3n42	3n13
T 2	8 11	16 1	4 44	4 48	2 39	17 3	0 44	17 54	1 47	18 14	0 41	2 25	2 9	11 28	0 43	8 8	1 44	3 45	14 32	18 22	18 44	13 53	3 41	3 13
F 3	7 49	18 45	4 4	5 16	2 47	16 43	0 46	18 1	1 46	18 16	0 40	2 22	2 9	11 26	0 43	8 8	1 44	3 45	14 32	18 22	18 44	13 55	3 40	3 13
S 4	7 27	20 20	3 10	5 43	2 56	16 23	0 48	18 8	1 45	18 18	0 40	2 19	2 9	11 25	0 43	8 9	1 44	3 44	14 32	18 22	18 45	13 56	3 39	3 13
S 5	7 5	20 39	2 5	6 8	3 4	16 3	0 51	18 14	1 44	18 20	0 40	2 16	2 9	11 24	0 43	8 10	1 44	3 44	14 33	18 22	18 46	13 58	3 38	3 13
M 6	6 42	19 45	0 54	6 31	3 11	15 42	0 53	18 21	1 43	18 22	0 40	2 14	2 9	11 22	0 43	8 10	1 44	3 44	14 33	18 22	18 47	14 0	3 37	3 13
T 7	6 20	17 43	0n19	6 53	3 19	15 20	0 55	18 27	1 42	18 24	0 40	2 11	2 9	11 21	0 43	8 11	1 44	3 43	14 33	18 21	18 48	14 2	3 36	3 13
W 8	5 57	14 46	1 30	7 12	3 26	14 58	0 57	18 33	1 41	18 26	0 39	2 8	2 9	11 20	0 43	8 12	1 44	3 43	14 33	18 22	18 48	14 4	3 35	3 13
T 9	5 35	11 7	2 35	7 29	3 32	14 36	0 59	18 40	1 40	18 29	0 39	2 5	2 9	11 18	0 43	8 13	1 44	3 43	14 34	18 23	18 49	14 6	3 34	3 13
F 10	5 12	7 1	3 31	7 44	3 38	14 13	1 1	18 45	1 39	18 31	0 39	2 2	2 9	11 17	0 43	8 13	1 44	3 42	14 34	18 24	18 50	14 8	3 33	3 13
S 11	4 49	2 41	4 15	7 56	3 44	13 50	1 3	18 51	1 38	18 33	0 39	1 59	2 9	11 16	0 43	8 14	1 44	3 42	14 34	18 26	18 51	14 10	3 32	3 13
S 12	4 26	1s41	4 46	8 5	3 48	13 26	1 4	18 57	1 36	18 35	0 39	1 56	2 9	11 15	0 43	8 15	1 43	3 42	14 34	18 27	18 51	14 11	3 30	3 13
M13	4 3	5 55	5 4	8 11	3 52	13 2	1 6	19 3	1 35	18 37	0 38	1 53	2 9	11 13	0 43	8 15	1 43	3 41	14 35	18 29	18 52	14 13	3 29	3 12
T 14	3 40	9 52	5 8	8 13	3 55	12 38	1 8	19 8	1 34	18 40	0 38	1 50	2 9	11 12	0 43	8 16	1 43	3 41	14 35	18 31	18 53	14 15	3 28	3 12
W15	3 17	13 23	4 59	8 13	3 56	12 13	1 10	19 13	1 33	18 42	0 38	1 47	2 9	11 11	0 43	8 17	1 43	3 41	14 35	18 33	18 54	14 17	3 27	3 12
T 16	2 54	16 22	4 36	8 8	3 57	11 48	1 11	19 19	1 32	18 44	0 38	1 44	2 9	11 9	0 43	8 18	1 43	3 40	14 35	18 34	18 55	14 19	3 26	3 12
F 17	2 30	18 40	4 2	7 59	3 56	11 23	1 13	19 24	1 30	18 47	0 38	1 41	2 9	11 8	0 43	8 18	1 43	3 40	14 36	18 34	18 55	14 21	3 25	3 12
S 18	2 7	20 10	3 17	7 46	3 54	10 57	1 14	19 29	1 29	18 49	0 38	1 38	2 9	11 7	0 43	8 19	1 43	3 39	14 36	18 34	18 56	14 23	3 24	3 12
S 19	1 44	20 46	2 23	7 29	3 50	10 31	1 15	19 34	1 28	18 51	0 37	1 36	2 9	11 5	0 43	8 20	1 43	3 39	14 36	18 34	18 57	14 25	3 22	3 12
M20	1 20	20 23	1 21	7 7	3 44	10 4	1 17	19 38	1 26	18 54	0 37	1 33	2 9	11 4	0 43	8 21	1 43	3 39	14 36	18 34	18 58	14 26	3 21	3 12
T 21	0 57	18 57	0 13	6 41	3 37	9 38	1 18	19 43	1 25	18 56	0 37	1 30	2 9	11 3	0 43	8 21	1 43	3 38	14 36	18 34	18 58	14 28	3 20	3 12
W22	0 34	16 29	0s57	6 11	3 27	9 11	1 19	19 48	1 23	18 58	0 37	1 27	2 9	11 2	0 43	8 22	1 43	3 38	14 37	18 34	18 59	14 30	3 19	3 12
T 23	0 10	13 3	2 6	5 37	3 16	8 44	1 20	19 52	1 22	19 1	0 37	1 24	2 9	11 0	0 43	8 23	1 43	3 38	14 37	18 34	19 0	14 32	3 18	3 12
F 24	0s13	8 47	3 10	4 59	3 3	8 16	1 21	19 56	1 20	19 3	0 36	1 21	2 9	10 59	0 43	8 24	1 43	3 37	14 37	18 36	19 1	14 34	3 17	3 12
S 25	0 37	3 55	4 3	4 19	2 48	7 49	1 22	20 1	1 19	19 6	0 36	1 18	2 9	10 58	0 44	8 24	1 43	3 37	14 37	18 37	19 2	14 36	3 15	3 12
S 26	1 0	1n15	4 42	3 37	2 31	7 21	1 23	20 5	1 17	19 8	0 36	1 15	2 9	10 57	0 44	8 25	1 43	3 37	14 37	18 39	19 2	14 37	3 14	3 12
M27	1 24	6 25	5 2	2 53	2 13	6 53	1 24	20 9	1 16	19 10	0 36	1 12	2 9	10 56	0 44	8 26	1 43	3 36	14 38	18 42	19 3	14 39	3 13	3 12
T 28	1 47	11 12	5 2	2 9	1 54	6 24	1 25	20 13	1 14	19 13	0 36	1 9	2 9	10 54	0 44	8 27	1 43	3 36	14 38	18 44	19 4	14 41	3 12	3 12
W29	2 11	15 17	4 42	1 26	1 34	5 56	1 26	20 17	1 12	19 15	0 36	1 6	2 9	10 53	0 44	8 27	1 43	3 35	14 38	18 45	19 5	14 43	3 11	3 11
T 30	2s34	18n22	4s 4	0s45	1s14	5n27	1n26	20n20	1s10	19s18	0n35	1n 3	2n 9	10n52	0n44	8s28	1n43	3n35	14s38	18n47	19n 5	14s45	3n 9	3n11

Julian Day Number = 2315552.5, Delta T = 59.86 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'37, Lahiri = 18°39'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

OCTOBER 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 37 32	7♎27'03	27♊17	28°R16	20♍50	7♊ 2	28♏43	2♎25	3♍42	26♎ 4	19°R44	6°R 6	4♌48	26♏35	0°R32	F 1
S 2	0 41 28	8°26'16	11♋12	27♍36	22° 5	7°13	28°54	2°33	3°45	26° 6	19♉43	6°D 6	4°45	26°42	0♈29	S 2
S 3	0 45 25	9°25'31	24°50	27° 5	23°19	7°23	29° 5	2°40	3°49	26° 8	19°42	6♌ 6	4°41	26°49	0°27	S 3
M 4	0 49 21	10°24'48	8♌11	26°46	24°34	7°32	29°15	2°48	3°52	26°10	19°42	6°R 6	4°38	26°55	0°24	M 4
T 5	0 53 18	11°24'08	21°17	26°D36	25°49	7°40	29°26	2°55	3°55	26°12	19°41	6° 5	4°35	27° 2	0°21	T 5
W 6	0 57 15	12°23'30	4♍10	26°38	27° 4	7°48	29°37	3° 2	3°58	26°15	19°40	6° 2	4°32	27° 9	0°18	W 6
T 7	1 1 11	13°22'54	16°52	26°50	28°18	7°55	29°49	3°10	4° 1	26°17	19°39	5°56	4°29	27°15	0°16	T 7
F 8	1 5 8	14°22'20	29°24	27°13	29°33	8° 1	29°59	3°17	4° 4	26°19	19°38	5°47	4°25	27°22	0°13	F 8
S 9	1 9 4	15°21'48	11♎46	27°46	0♎48	8° 6	0♐11	3°24	4° 8	26°21	19°37	5°35	4°22	27°29	0°10	S 9
S 10	1 13 1	16°21'19	23°59	28°27	2° 3	8°10	0°22	3°32	4°11	26°23	19°36	5°22	4°19	27°36	0° 8	S 10
M11	1 16 57	17°20'51	6♏ 4	29°17	3°18	8°13	0°34	3°39	4°14	26°26	19°35	5° 9	4°16	27°42	0° 5	M11
T 12	1 20 54	18°20'26	18° 1	0♎15	4°33	8°16	0°45	3°46	4°17	26°28	19°34	4°56	4°13	27°49	0° 2	T 12
W13	1 24 50	19°20'02	29°53	1°19	5°48	8°18	0°57	3°53	4°19	26°30	19°34	4°45	4°10	27°56	29♓59	W13
T 14	1 28 47	20°19'40	11♐43	2°30	7° 3	8°19	1° 9	4° 1	4°22	26°32	19°33	4°37	4° 6	28° 2	29°57	T 14
F 15	1 32 44	21°19'20	23°33	3°45	8°18	8°R19	1°20	4° 8	4°25	26°35	19°32	4°31	4° 3	28° 9	29°55	F 15
S 16	1 36 40	22°19'02	5♑27	5° 5	9°33	8°18	1°32	4°15	4°28	26°37	19°31	4°28	4° 0	28°16	29°52	S 16
S 17	1 40 37	23°18'46	17°31	6°29	10°48	8°16	1°44	4°22	4°31	26°39	19°30	4°26	3°57	28°23	29°49	S 17
M18	1 44 33	24°18'32	29°50	7°56	12° 3	8°14	1°56	4°29	4°34	26°41	19°29	4°26	3°54	28°29	29°47	M18
T 19	1 48 30	25°18'19	12♒28	9°26	13°18	8°10	2° 8	4°36	4°36	26°44	19°28	4°26	3°51	28°36	29°44	T 19
W20	1 52 26	26°18'07	25°32	10°58	14°33	8° 6	2°20	4°43	4°39	26°46	19°27	4°25	3°47	28°43	29°42	W20
T 21	1 56 23	27°17'58	9♓ 3	12°32	15°48	8° 0	2°32	4°50	4°42	26°48	19°26	4°21	3°44	28°49	29°40	T 21
F 22	2 0 19	28°17'50	23° 5	14° 7	17° 3	7°54	2°44	4°58	4°44	26°50	19°25	4°15	3°41	28°56	29°37	F 22
S 23	2 4 16	29°17'44	7♈35	15°44	18°18	7°47	2°57	5° 5	4°47	26°52	19°24	4° 6	3°38	29° 3	29°35	S 23
S 24	2 8 13	0♏17'40	22°29	17°21	19°33	7°39	3° 9	5°11	4°49	26°55	19°22	3°55	3°35	29° 9	29°33	S 24
M25	2 12 9	1°17'37	7♉38	18°59	20°49	7°31	3°21	5°18	4°52	26°57	19°21	3°44	3°31	29°16	29°30	M25
T 26	2 16 6	2°17'37	22°51	20°38	22° 4	7°21	3°34	5°25	4°54	26°59	19°20	3°33	3°28	29°23	29°28	T 26
W27	2 20 2	3°17'39	7♊58	22°17	23°19	7°10	3°46	5°32	4°57	27° 1	19°19	3°23	3°25	29°30	29°26	W27
T 28	2 23 59	4°17'42	22°49	23°55	24°34	6°59	3°59	5°39	4°59	27° 4	19°18	3°17	3°22	29°36	29°24	T 28
F 29	2 27 55	5°17'48	7♋18	25°34	25°49	6°47	4°11	5°46	5° 1	27° 6	19°17	3°13	3°19	29°43	29°22	F 29
S 30	2 31 52	6°17'56	21°22	27°13	27° 5	6°34	4°24	5°53	5° 4	27° 8	19°16	3°11	3°16	29°50	29°19	S 30
S 31	2 35 48	7♏18'07	5♌ 2	28♎52	28♎20	6♊20	4♐37	5♎59	5♍ 6	27♎10	19♉15	3♌11	3♌12	29♏56	29♓17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2s58	20n16	3s12	0s 7	0s53	4n58	1n27	20n24	1s 9	19s20	0n35	1n 0	2n 9	10n51	0n44	8s29	1n43	3n35	14s38	18n47	19n 6	14s47	3n 8	3n11
S 2	3 21	20 52	2 9	0n27	0 33	4 29	1 27	20 27	1 7	19 23	0 35	0 58	2 9	10 50	0 44	8 30	1 43	3 34	14 39	18 47	19 7	14 49	3 7	3 11
S 3	3 45	20 13	1 0	0 57	0 13	4 0	1 28	20 31	1 5	19 25	0 35	0 55	2 9	10 49	0 44	8 31	1 43	3 34	14 39	18 47	19 8	14 50	3 6	3 11
M 4	4 8	18 26	0n11	1 22	0n 5	3 31	1 28	20 34	1 3	19 28	0 35	0 52	2 9	10 47	0 44	8 31	1 43	3 34	14 39	18 47	19 8	14 52	3 5	3 11
T 5	4 31	15 42	1 20	1 42	0 23	3 1	1 29	20 38	1 1	19 30	0 35	0 49	2 9	10 46	0 44	8 32	1 43	3 33	14 39	18 47	19 9	14 54	3 3	3 11
W 6	4 54	12 13	2 23	1 56	0 39	2 32	1 29	20 41	0 59	19 33	0 35	0 46	2 9	10 45	0 44	8 33	1 43	3 33	14 39	18 48	19 10	14 56	3 2	3 11
T 7	5 18	8 14	3 19	2 5	0 54	2 2	1 29	20 44	0 57	19 35	0 34	0 43	2 9	10 44	0 44	8 34	1 43	3 33	14 39	18 50	19 11	14 58	3 1	3 11
F 8	5 41	3 58	4 3	2 8	1 7	1 32	1 29	20 47	0 55	19 38	0 34	0 40	2 9	10 43	0 44	8 35	1 43	3 32	14 40	18 52	19 12	15 0	3 0	3 11
S 9	6 4	0s26	4 36	2 6	1 19	1 3	1 29	20 50	0 53	19 40	0 34	0 37	2 10	10 42	0 44	8 35	1 43	3 32	14 40	18 55	19 12	15 1	2 59	3 10
S 10	6 27	4 45	4 55	1 59	1 29	0 33	1 29	20 53	0 51	19 43	0 34	0 35	2 10	10 41	0 44	8 36	1 43	3 31	14 40	18 58	19 13	15 3	2 58	3 10
M11	6 49	8 50	5 1	1 47	1 38	0 3	1 29	20 55	0 49	19 45	0 34	0 32	2 10	10 40	0 44	8 37	1 43	3 31	14 40	19 1	19 14	15 5	2 56	3 10
T 12	7 12	12 32	4 53	1 31	1 45	0s27	1 29	20 58	0 46	19 48	0 34	0 29	2 10	10 39	0 44	8 38	1 43	3 31	14 40	19 4	19 15	15 7	2 55	3 10
W13	7 35	15 43	4 33	1 11	1 51	0 57	1 29	21 0	0 44	19 51	0 34	0 26	2 10	10 38	0 44	8 39	1 43	3 30	14 40	19 7	19 15	15 9	2 54	3 10
T 14	7 57	18 15	4 1	0 47	1 56	1 27	1 28	21 3	0 42	19 53	0 33	0 23	2 10	10 36	0 44	8 39	1 43	3 30	14 40	19 9	19 16	15 10	2 53	3 10
F 15	8 20	20 1	3 18	0 20	2 0	1 57	1 28	21 5	0 39	19 56	0 33	0 21	2 10	10 35	0 44	8 40	1 43	3 30	14 41	19 10	19 17	15 12	2 52	3 10
S 16	8 42	20 56	2 27	0s10	2 2	2 27	1 27	21 7	0 37	19 58	0 33	0 18	2 10	10 34	0 44	8 41	1 43	3 29	14 41	19 11	19 18	15 14	2 51	3 9
S 17	9 4	20 53	1 28	0 42	2 3	2 57	1 27	21 10	0 35	20 1	0 33	0 15	2 10	10 33	0 44	8 42	1 43	3 29	14 41	19 11	19 18	15 16	2 49	3 9
M18	9 27	19 50	0 24	1 16	2 4	3 27	1 26	21 12	0 32	20 3	0 33	0 12	2 10	10 32	0 44	8 43	1 43	3 29	14 41	19 11	19 19	15 18	2 48	3 9
T 19	9 48	17 46	0s42	1 52	2 3	3 56	1 26	21 14	0 30	20 6	0 33	0 10	2 10	10 32	0 44	8 44	1 43	3 28	14 41	19 11	19 20	15 19	2 47	3 9
W20	10 10	14 45	1 49	2 29	2 2	4 26	1 25	21 15	0 27	20 8	0 33	0 7	2 10	10 31	0 44	8 44	1 43	3 28	14 41	19 12	19 21	15 21	2 46	3 9
T 21	10 32	10 51	2 52	3 7	2 0	4 56	1 24	21 17	0 24	20 11	0 32	0 4	2 11	10 30	0 44	8 45	1 43	3 27	14 41	19 13	19 21	15 23	2 45	3 9
F 22	10 53	6 13	3 47	3 47	1 57	5 26	1 24	21 19	0 22	20 13	0 32	0 2	2 11	10 29	0 44	8 46	1 43	3 27	14 41	19 14	19 22	15 25	2 44	3 9
S 23	11 15	1 6	4 29	4 27	1 54	5 55	1 23	21 20	0 19	20 16	0 32	0s 1	2 11	10 28	0 44	8 47	1 43	3 27	14 41	19 16	19 23	15 27	2 43	3 8
S 24	11 36	4n13	4 54	5 8	1 50	6 24	1 22	21 22	0 16	20 18	0 32	0 4	2 11	10 27	0 44	8 48	1 43	3 26	14 41	19 19	19 24	15 28	2 42	3 8
M25	11 57	9 22	4 59	5 49	1 46	6 54	1 21	21 23	0 14	20 21	0 32	0 6	2 11	10 26	0 44	8 48	1 43	3 26	14 41	19 21	19 24	15 30	2 41	3 8
T 26	12 18	13 57	4 43	6 30	1 41	7 23	1 20	21 24	0 11	20 23	0 32	0 9	2 11	10 25	0 44	8 49	1 43	3 26	14 42	19 24	19 25	15 32	2 40	3 8
W27	12 38	17 36	4 8	7 12	1 37	7 52	1 18	21 25	0 8	20 26	0 32	0 12	2 11	10 24	0 44	8 50	1 43	3 25	14 42	19 26	19 26	15 34	2 39	3 8
T 28	12 59	20 2	3 16	7 53	1 31	8 20	1 17	21 26	0 5	20 28	0 32	0 14	2 11	10 24	0 44	8 51	1 43	3 25	14 42	19 28	19 26	15 36	2 38	3 8
F 29	13 19	21 5	2 12	8 34	1 26	8 49	1 16	21 27	0 2	20 31	0 31	0 17	2 12	10 23	0 45	8 51	1 43	3 25	14 42	19 29	19 27	15 37	2 36	3 7
S 30	13 39	20 46	1 2	9 16	1 20	9 17	1 15	21 28	0n 1	20 33	0 31	0 19	2 12	10 22	0 45	8 52	1 43	3 24	14 42	19 29	19 28	15 39	2 35	3 7
S 31	13s59	19n12	0n10	9s56	1n14	9s46	1n13	21n28	0n 4	20s36	0n31	0s22	2n12	10n21	0n45	8s53	1n43	3n24	14s42	19n29	19n29	15s41	2n34	3n 7

Julian Day Number = 2315582.5, Delta T = 59.79 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'41, Lahiri = 18°39'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

NOVEMBER 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 39 45	8♏18'19	18♌18	0♏31	29♎35	6°R 5	4♐49	6♎ 6	5♍ 8	27♎13	19°R14	3°R11	3♌ 9	0♐ 3	29°R15	M 1
T 2	2 43 42	9°18'33	1♍15	2° 9	0♏51	5♊50	5° 2	6°13	5°10	27°15	19♉13	3♌ 9	3° 6	0°10	29♓13	T 2
W 3	2 47 38	10°18'49	13°56	3°48	2° 6	5°34	5°15	6°19	5°12	27°17	19°12	3° 6	3° 3	0°17	29°11	W 3
T 4	2 51 35	11°19'08	26°23	5°26	3°21	5°17	5°28	6°26	5°14	27°19	19°10	2°59	3° 0	0°23	29° 9	T 4
F 5	2 55 31	12°19'28	8♎41	7° 4	4°37	4°59	5°41	6°32	5°16	27°21	19° 9	2°49	2°57	0°30	29° 8	F 5
S 6	2 59 28	13°19'50	20°50	8°41	5°52	4°41	5°54	6°39	5°18	27°24	19° 8	2°37	2°53	0°37	29° 6	S 6
S 7	3 3 24	14°20'14	2♏52	10°18	7° 7	4°22	6° 7	6°45	5°20	27°26	19° 7	2°23	2°50	0°43	29° 4	S 7
M 8	3 7 21	15°20'40	14°50	11°55	8°23	4° 3	6°20	6°51	5°22	27°28	19° 6	2° 8	2°47	0°50	29° 2	M 8
T 9	3 11 17	16°21'07	26°43	13°32	9°38	3°43	6°33	6°58	5°24	27°30	19° 5	1°55	2°44	0°57	29° 1	T 9
W10	3 15 14	17°21'36	8♐33	15° 8	10°54	3°22	6°46	7° 4	5°25	27°32	19° 4	1°42	2°41	1° 3	28°59	W10
T 11	3 19 11	18°22'07	20°23	16°44	12° 9	3° 2	6°59	7°10	5°27	27°34	19° 3	1°33	2°37	1°10	28°57	T 11
F 12	3 23 7	19°22'39	2♑14	18°20	13°24	2°40	7°12	7°16	5°29	27°36	19° 1	1°26	2°34	1°17	28°56	F 12
S 13	3 27 4	20°23'12	14° 9	19°55	14°40	2°19	7°26	7°22	5°30	27°39	19° 0	1°22	2°31	1°24	28°54	S 13
S 14	3 31 0	21°23'47	26°12	21°30	15°55	1°57	7°39	7°28	5°32	27°41	18°59	1°D21	2°28	1°30	28°53	S 14
M15	3 34 57	22°24'23	8♒28	23° 5	17°11	1°34	7°52	7°34	5°33	27°43	18°58	1°21	2°25	1°37	28°51	M15
T 16	3 38 53	23°25'00	21° 2	24°40	18°26	1°12	8° 5	7°40	5°35	27°45	18°57	1°R21	2°22	1°44	28°50	T 16
W17	3 42 50	24°25'38	3♓59	26°15	19°42	0°49	8°19	7°46	5°36	27°47	18°56	1°21	2°18	1°50	28°49	W17
T 18	3 46 46	25°26'18	17°22	27°49	20°57	0°27	8°32	7°52	5°38	27°49	18°55	1°19	2°15	1°57	28°48	T 18
F 19	3 50 43	26°26'58	1♈16	29°23	22°13	0° 4	8°46	7°58	5°39	27°51	18°54	1°14	2°12	2° 4	28°46	F 19
S 20	3 54 40	27°27'40	15°39	0♐57	23°28	29♉41	8°59	8° 3	5°40	27°53	18°53	1° 7	2° 9	2°11	28°45	S 20
S 21	3 58 36	28°28'22	0♉29	2°31	24°44	29°19	9°12	8° 9	5°41	27°55	18°51	0°58	2° 6	2°17	28°44	S 21
M22	4 2 33	29°29'06	15°40	4° 5	25°59	28°56	9°26	8°15	5°42	27°57	18°50	0°49	2° 2	2°24	28°43	M22
T 23	4 6 29	0♐29'52	1♊ 0	5°39	27°14	28°34	9°39	8°20	5°44	27°59	18°49	0°39	1°59	2°31	28°42	T 23
W24	4 10 26	1°30'38	16°20	7°12	28°30	28°12	9°53	8°26	5°45	28° 1	18°48	0°31	1°56	2°37	28°41	W24
T 25	4 14 22	2°31'26	1♋26	8°46	29°45	27°50	10° 6	8°31	5°46	28° 3	18°47	0°26	1°53	2°44	28°40	T 25
F 26	4 18 19	3°32'15	16°12	10°19	1♐ 1	27°28	10°20	8°36	5°46	28° 5	18°46	0°23	1°50	2°51	28°39	F 26
S 27	4 22 15	4°33'06	0♌31	11°53	2°16	27° 7	10°33	8°41	5°47	28° 7	18°45	0°D22	1°47	2°57	28°39	S 27
S 28	4 26 12	5°33'58	14°21	13°26	3°32	26°46	10°47	8°47	5°48	28° 9	18°44	0°22	1°43	3° 4	28°38	S 28
M29	4 30 9	6°34'51	27°45	14°59	4°47	26°25	11° 0	8°52	5°49	28°10	18°43	0°23	1°40	3°11	28°37	M29
T 30	4 34 5	7♐35'46	10♍44	16♐32	6♐ 3	26♉ 5	11♐14	8♎57	5♍49	28♎12	18♉42	0°R24	1♌37	3♐18	28♓37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	14s18	16n37	1n19	10s37	1n 8	10s14	1n12	21n29	0n 7	20s38	0n31	0s24	2n12	10n20	0n45	8s54	1n43	3n24	14s42	19n29	19n29	15s43	2n34	3n 7	M 1
T 2	14 37	13 16	2 22	11 17	1 2	10 41	1 11	21 29	0 10	20 40	0 31	0 27	2 12	10 20	0 45	8 55	1 43	3 24	14 42	19 29	19 30	15 44	2 33	3 7	T 2
W 3	14 57	9 22	3 17	11 56	0 55	11 9	1 9	21 29	0 13	20 43	0 31	0 29	2 12	10 19	0 45	8 55	1 43	3 23	14 42	19 30	19 31	15 46	2 32	3 6	W 3
T 4	15 15	5 8	4 2	12 36	0 49	11 36	1 8	21 29	0 16	20 45	0 31	0 32	2 12	10 18	0 45	8 56	1 43	3 23	14 42	19 32	19 32	15 48	2 31	3 6	T 4
F 5	15 34	0 45	4 34	13 14	0 42	12 3	1 6	21 29	0 19	20 48	0 31	0 34	2 13	10 17	0 45	8 57	1 43	3 23	14 42	19 34	19 32	15 50	2 30	3 6	F 5
S 6	15 52	3s36	4 54	13 52	0 35	12 30	1 4	21 29	0 22	20 50	0 30	0 37	2 13	10 17	0 45	8 58	1 43	3 22	14 42	19 37	19 33	15 52	2 29	3 6	S 6
S 7	16 10	7 47	5 0	14 29	0 29	12 56	1 3	21 28	0 25	20 52	0 30	0 39	2 13	10 16	0 45	8 58	1 43	3 22	14 42	19 40	19 34	15 53	2 28	3 6	S 7
M 8	16 28	11 39	4 53	15 5	0 22	13 22	1 1	21 28	0 28	20 55	0 30	0 41	2 13	10 15	0 45	8 59	1 43	3 22	14 42	19 43	19 35	15 55	2 27	3 5	M 8
T 9	16 46	15 2	4 33	15 41	0 15	13 48	0 59	21 27	0 31	20 57	0 30	0 44	2 13	10 15	0 45	9 0	1 43	3 22	14 42	19 46	19 35	15 57	2 26	3 5	T 9
W10	17 3	17 48	4 1	16 16	0 9	14 13	0 57	21 26	0 34	20 59	0 30	0 46	2 13	10 14	0 45	9 1	1 43	3 21	14 42	19 49	19 36	15 59	2 25	3 5	W10
T 11	17 20	19 50	3 19	16 50	0 2	14 38	0 55	21 25	0 38	21 2	0 30	0 48	2 14	10 14	0 45	9 1	1 43	3 21	14 42	19 51	19 37	16 0	2 25	3 5	T 11
F 12	17 36	21 0	2 28	17 24	0s 5	15 3	0 53	21 24	0 41	21 4	0 30	0 51	2 14	10 13	0 45	9 2	1 43	3 21	14 42	19 53	19 37	16 2	2 24	3 5	F 12
S 13	17 53	21 14	1 30	17 56	0 12	15 27	0 52	21 23	0 44	21 6	0 30	0 53	2 14	10 13	0 45	9 3	1 43	3 20	14 42	19 54	19 38	16 4	2 23	3 4	S 13
S 14	18 9	20 30	0 27	18 28	0 18	15 51	0 50	21 21	0 47	21 9	0 30	0 55	2 14	10 12	0 45	9 4	1 43	3 20	14 42	19 54	19 39	16 6	2 22	3 4	S 14
M15	18 24	18 47	0s38	18 59	0 25	16 14	0 48	21 20	0 50	21 11	0 29	0 57	2 14	10 11	0 45	9 4	1 43	3 20	14 42	19 54	19 40	16 7	2 21	3 4	M15
T 16	18 40	16 8	1 43	19 29	0 31	16 37	0 45	21 18	0 53	21 13	0 29	1 0	2 14	10 11	0 45	9 5	1 43	3 20	14 42	19 54	19 40	16 9	2 21	3 4	T 16
W17	18 55	12 37	2 45	19 58	0 38	17 0	0 43	21 16	0 56	21 15	0 29	1 2	2 15	10 11	0 45	9 6	1 43	3 20	14 42	19 54	19 41	16 11	2 20	3 4	W17
T 18	19 10	8 22	3 39	20 26	0 44	17 22	0 41	21 14	0 59	21 17	0 29	1 4	2 15	10 10	0 45	9 7	1 43	3 19	14 42	19 54	19 42	16 13	2 19	3 3	T 18
F 19	19 24	3 32	4 24	20 53	0 50	17 44	0 39	21 12	1 1	21 20	0 29	1 6	2 15	10 10	0 45	9 7	1 43	3 19	14 41	19 55	19 42	16 14	2 19	3 3	F 19
S 20	19 38	1n40	4 53	21 18	0 56	18 5	0 37	21 10	1 4	21 22	0 29	1 8	2 15	10 9	0 45	9 8	1 43	3 19	14 41	19 57	19 43	16 16	2 18	3 3	S 20
S 21	19 52	6 55	5 4	21 43	1 2	18 26	0 35	21 8	1 7	21 24	0 29	1 10	2 15	10 9	0 45	9 9	1 43	3 19	14 41	19 59	19 44	16 18	2 17	3 3	S 21
M22	20 5	11 52	4 54	22 7	1 8	18 46	0 33	21 6	1 10	21 26	0 29	1 12	2 16	10 8	0 45	9 9	1 43	3 18	14 41	20 1	19 45	16 19	2 17	3 2	M22
T 23	20 18	16 7	4 23	22 30	1 14	19 5	0 30	21 4	1 13	21 28	0 29	1 14	2 16	10 8	0 46	9 10	1 44	3 18	14 41	20 3	19 45	16 21	2 16	3 2	T 23
W24	20 30	19 15	3 33	22 51	1 19	19 25	0 28	21 1	1 15	21 30	0 29	1 16	2 16	10 8	0 46	9 11	1 44	3 18	14 41	20 5	19 46	16 23	2 15	3 2	W24
T 25	20 42	21 0	2 28	23 12	1 25	19 43	0 26	20 59	1 18	21 32	0 28	1 18	2 16	10 7	0 46	9 11	1 44	3 18	14 41	20 6	19 47	16 25	2 15	3 2	T 25
F 26	20 54	21 15	1 15	23 31	1 30	20 1	0 23	20 56	1 21	21 34	0 28	1 20	2 16	10 7	0 46	9 12	1 44	3 18	14 41	20 7	19 47	16 26	2 14	3 2	F 26
S 27	21 5	20 6	0n 1	23 49	1 35	20 19	0 21	20 54	1 23	21 36	0 28	1 22	2 17	10 7	0 46	9 13	1 44	3 18	14 41	20 7	19 48	16 28	2 14	3 1	S 27
S 28	21 16	17 45	1 14	24 6	1 39	20 36	0 19	20 51	1 25	21 38	0 28	1 23	2 17	10 7	0 46	9 13	1 44	3 17	14 41	20 7	19 49	16 30	2 13	3 1	S 28
M29	21 27	14 30	2 22	24 22	1 44	20 52	0 16	20 49	1 28	21 40	0 28	1 25	2 17	10 6	0 46	9 14	1 44	3 17	14 41	20 6	19 50	16 31	2 13	3 1	M29
T 30	21s37	10n38	3n19	24s36	1s48	21s 8	0n14	20n46	1n30	21s42	0n28	1s27	2n17	10n 6	0n46	9s14	1n44	3n17	14s40	20n 6	19n50	16s33	2n12	3n 1	T 30

Julian Day Number = 2315613.5, Delta T = 59.72 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'45, Lahiri = 18°39'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1627
geocentric

DECEMBER 1627 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 38 2	8♐36'42	23♍22	18♐ 6	7♐18	25°R45	11♐28	9♎ 2	5♍50	28♎14	18°R41	0°R22	1♌34	3♐24	28°R36	W 1
T 2	4 41 58	9°37'39	5♎44	19°39	8°34	25♉26	11°41	9° 6	5°51	28°16	18♉40	0♌19	1°31	3°31	28♓36	T 2
F 3	4 45 55	10°38'38	17°54	21°12	9°49	25° 8	11°55	9°11	5°51	28°18	18°38	0°13	1°28	3°38	28°35	F 3
S 4	4 49 51	11°39'37	29°55	22°45	11° 5	24°50	12° 8	9°16	5°52	28°19	18°37	0° 5	1°24	3°44	28°35	S 4
S 5	4 53 48	12°40'38	11♏50	24°18	12°20	24°33	12°22	9°20	5°52	28°21	18°36	29♋56	1°21	3°51	28°35	S 5
M 6	4 57 44	13°41'40	23°43	25°51	13°36	24°16	12°35	9°25	5°52	28°23	18°35	29°47	1°18	3°58	28°34	M 6
T 7	5 1 41	14°42'43	5♐33	27°23	14°52	24° 0	12°49	9°29	5°53	28°25	18°34	29°37	1°15	4° 4	28°34	T 7
W 8	5 5 38	15°43'46	17°24	28°56	16° 7	23°45	13° 3	9°34	5°53	28°26	18°33	29°29	1°12	4°11	28°34	W 8
T 9	5 9 34	16°44'51	29°17	0♑28	17°23	23°31	13°16	9°38	5°53	28°28	18°32	29°23	1° 8	4°18	28°34	T 9
F 10	5 13 31	17°45'56	11♑14	2° 0	18°38	23°17	13°30	9°42	5°53	28°30	18°31	29°19	1° 5	4°25	28°D34	F 10
S 11	5 17 27	18°47'02	23°16	3°32	19°54	23° 4	13°43	9°46	5°53	28°31	18°30	29°17	1° 2	4°31	28°34	S 11
S 12	5 21 24	19°48'08	5♒26	5° 3	21° 9	22°52	13°57	9°50	5°R53	28°33	18°30	29°D17	0°59	4°38	28°34	S 12
M13	5 25 20	20°49'14	17°48	6°33	22°25	22°41	14°11	9°54	5°53	28°34	18°29	29°18	0°56	4°45	28°34	M13
T 14	5 29 17	21°50'21	0♓24	8° 3	23°40	22°30	14°24	9°58	5°53	28°36	18°28	29°20	0°53	4°51	28°34	T 14
W15	5 33 13	22°51'28	13°19	9°32	24°56	22°21	14°38	10° 2	5°53	28°37	18°27	29°21	0°49	4°58	28°35	W15
T 16	5 37 10	23°52'36	26°36	11° 0	26°11	22°12	14°51	10° 6	5°53	28°39	18°26	29°R22	0°46	5° 5	28°35	T 16
F 17	5 41 7	24°53'43	10♈18	12°27	27°27	22° 4	15° 5	10° 9	5°52	28°40	18°25	29°21	0°43	5°12	28°35	F 17
S 18	5 45 3	25°54'51	24°27	13°52	28°42	21°57	15°18	10°13	5°52	28°42	18°24	29°18	0°40	5°18	28°36	S 18
S 19	5 49 0	26°55'58	9♉ 0	15°16	29°58	21°50	15°32	10°16	5°52	28°43	18°23	29°14	0°37	5°25	28°36	S 19
M20	5 52 56	27°57'06	23°53	16°37	1♊13	21°45	15°45	10°19	5°51	28°44	18°22	29° 9	0°34	5°32	28°37	M20
T 21	5 56 53	28°58'15	9♊ 1	17°56	2°29	21°40	15°59	10°23	5°51	28°46	18°22	29° 5	0°30	5°38	28°37	T 21
W22	6 0 49	29°59'23	24°13	19°13	3°44	21°36	16°12	10°26	5°50	28°47	18°21	29° 1	0°27	5°45	28°38	W22
T 23	6 4 46	1♊ 0'31	9♋19	20°25	5° 0	21°33	16°25	10°29	5°50	28°48	18°20	28°58	0°24	5°52	28°39	T 23
F 24	6 8 42	2° 1'40	24° 9	21°34	6°15	21°31	16°39	10°32	5°49	28°50	18°19	28°D57	0°21	5°58	28°39	F 24
S 25	6 12 39	3° 2'49	8♌38	22°38	7°31	21°29	16°52	10°34	5°48	28°51	18°18	28°57	0°18	6° 5	28°40	S 25
S 26	6 16 36	4° 3'59	22°40	23°36	8°46	21°D29	17° 6	10°37	5°47	28°52	18°18	28°59	0°14	6°12	28°41	S 26
M27	6 20 32	5° 5'08	6♍14	24°29	10° 1	21°29	17°19	10°40	5°47	28°53	18°17	29° 0	0°11	6°18	28°42	M27
T 28	6 24 29	6° 6'18	19°22	25°14	11°17	21°30	17°32	10°42	5°46	28°54	18°16	29° 2	0° 8	6°25	28°43	T 28
W29	6 28 25	7° 7'28	2♎ 7	25°52	12°32	21°31	17°45	10°45	5°45	28°55	18°16	29°R 3	0° 5	6°32	28°44	W29
T 30	6 32 22	8° 8'39	14°31	26°20	13°48	21°34	17°59	10°47	5°44	28°56	18°15	29° 2	0° 2	6°39	28°45	T 30
F 31	6 36 18	9♑ 9'49	26♎41	26♑39	15♑ 3	21♉37	18♐12	10♎49	5♍43	28♎58	18♉14	29♋ 1	29♋59	6♐45	28♓46	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s47	6n24	4n 6	24s49	1s52	21s23	0n12	20n44	1n32	21s44	0n28	1s29	2n17	10n 6	0n46	9s15	1n44	3n17	14s40	20n 7	19n51	16s35	2n12	3n 0
T 2	21 56	2 0	4 39	25 1	1 56	21 37	0 9	20 41	1 35	21 46	0 28	1 30	2 18	10 6	0 46	9 16	1 44	3 17	14 40	20 7	19 52	16 37	2 12	3 0
F 3	22 5	2s25	5 0	25 11	2 0	21 51	0 7	20 39	1 37	21 48	0 28	1 32	2 18	10 6	0 46	9 16	1 44	3 17	14 40	20 9	19 52	16 38	2 11	3 0
S 4	22 14	6 40	5 7	25 20	2 3	22 4	0 5	20 37	1 39	21 50	0 28	1 34	2 18	10 6	0 46	9 17	1 44	3 17	14 40	20 10	19 53	16 40	2 11	3 0
S 5	22 22	10 39	5 0	25 27	2 6	22 17	0 2	20 34	1 41	21 52	0 28	1 35	2 18	10 5	0 46	9 17	1 44	3 16	14 40	20 12	19 54	16 42	2 10	2 59
M 6	22 29	14 12	4 41	25 33	2 8	22 29	0s 0	20 32	1 43	21 54	0 28	1 37	2 19	10 5	0 46	9 18	1 44	3 16	14 40	20 14	19 55	16 43	2 10	2 59
T 7	22 36	17 11	4 9	25 38	2 11	22 40	0 3	20 30	1 45	21 56	0 27	1 38	2 19	10 5	0 46	9 19	1 44	3 16	14 39	20 16	19 55	16 45	2 10	2 59
W 8	22 43	19 27	3 27	25 41	2 12	22 51	0 5	20 28	1 46	21 57	0 27	1 40	2 19	10 5	0 46	9 19	1 44	3 16	14 39	20 18	19 56	16 47	2 10	2 59
T 9	22 49	20 54	2 35	25 43	2 14	23 1	0 7	20 26	1 48	21 59	0 27	1 41	2 19	10 5	0 46	9 20	1 44	3 16	14 39	20 19	19 57	16 48	2 9	2 58
F 10	22 55	21 24	1 36	25 43	2 15	23 10	0 10	20 24	1 50	22 1	0 27	1 43	2 20	10 5	0 46	9 20	1 44	3 16	14 39	20 20	19 57	16 50	2 9	2 58
S 11	23 1	20 56	0 33	25 42	2 16	23 18	0 12	20 22	1 51	22 3	0 27	1 44	2 20	10 5	0 46	9 21	1 44	3 16	14 39	20 20	19 58	16 52	2 9	2 58
S 12	23 6	19 29	0s33	25 39	2 16	23 26	0 15	20 20	1 53	22 4	0 27	1 46	2 20	10 5	0 46	9 21	1 44	3 16	14 38	20 20	19 59	16 53	2 9	2 58
M13	23 10	17 6	1 39	25 34	2 15	23 33	0 17	20 19	1 54	22 6	0 27	1 47	2 20	10 5	0 46	9 22	1 44	3 16	14 38	20 20	19 59	16 55	2 9	2 58
T 14	23 14	13 52	2 41	25 29	2 14	23 39	0 19	20 18	1 55	22 8	0 27	1 48	2 21	10 5	0 46	9 22	1 44	3 16	14 38	20 20	20 0	16 57	2 8	2 57
W15	23 18	9 54	3 37	25 21	2 13	23 45	0 22	20 16	1 57	22 9	0 27	1 49	2 21	10 6	0 47	9 23	1 44	3 16	14 38	20 20	20 1	16 58	2 8	2 57
T 16	23 21	5 22	4 23	25 12	2 11	23 50	0 24	20 15	1 58	22 11	0 27	1 51	2 21	10 6	0 47	9 23	1 45	3 16	14 38	20 19	20 1	17 0	2 8	2 57
F 17	23 23	0 26	4 55	25 1	2 8	23 54	0 26	20 14	1 59	22 12	0 27	1 52	2 21	10 6	0 47	9 24	1 45	3 16	14 37	20 20	20 2	17 2	2 8	2 57
S 18	23 25	4n40	5 11	24 49	2 4	23 57	0 28	20 13	2 0	22 14	0 27	1 53	2 22	10 6	0 47	9 24	1 45	3 16	14 37	20 20	20 3	17 3	2 8	2 56
S 19	23 27	9 39	5 8	24 36	2 0	24 0	0 31	20 13	2 1	22 16	0 26	1 54	2 22	10 6	0 47	9 25	1 45	3 16	14 37	20 21	20 4	17 5	2 8	2 56
M20	23 28	14 12	4 44	24 21	1 55	24 2	0 33	20 12	2 2	22 17	0 26	1 55	2 22	10 6	0 47	9 25	1 45	3 16	14 37	20 22	20 4	17 7	2 8	2 56
T 21	23 29	17 53	4 0	24 5	1 49	24 3	0 35	20 12	2 3	22 19	0 26	1 56	2 22	10 7	0 47	9 25	1 45	3 16	14 37	20 23	20 5	17 8	2 8	2 56
W22	23 29	20 23	2 59	23 48	1 43	24 3	0 37	20 12	2 4	22 20	0 26	1 57	2 23	10 7	0 47	9 26	1 45	3 16	14 36	20 24	20 6	17 10	2 8	2 55
T 23	23 29	21 24	1 46	23 30	1 35	24 3	0 40	20 12	2 5	22 21	0 26	1 58	2 23	10 7	0 47	9 26	1 45	3 16	14 36	20 24	20 6	17 12	2 8	2 55
F 24	23 28	20 53	0 26	23 10	1 26	24 2	0 42	20 12	2 6	22 23	0 26	1 59	2 23	10 7	0 47	9 27	1 45	3 16	14 36	20 25	20 7	17 13	2 8	2 55
S 25	23 27	18 59	0n53	22 50	1 17	24 0	0 44	20 13	2 7	22 24	0 26	2 0	2 23	10 8	0 47	9 27	1 45	3 16	14 36	20 24	20 8	17 15	2 8	2 55
S 26	23 25	15 59	2 7	22 30	1 6	23 57	0 46	20 13	2 7	22 26	0 26	2 0	2 24	10 8	0 47	9 27	1 45	3 16	14 35	20 24	20 8	17 17	2 9	2 54
M27	23 23	12 12	3 11	22 9	0 54	23 54	0 48	20 14	2 8	22 27	0 26	2 1	2 24	10 8	0 47	9 28	1 45	3 16	14 35	20 24	20 9	17 18	2 9	2 54
T 28	23 21	7 56	4 3	21 48	0 41	23 50	0 50	20 15	2 9	22 28	0 26	2 2	2 24	10 9	0 47	9 28	1 45	3 16	14 35	20 24	20 10	17 20	2 9	2 54
W29	23 18	3 28	4 41	21 27	0 26	23 45	0 52	20 16	2 9	22 30	0 26	2 3	2 25	10 9	0 47	9 28	1 45	3 16	14 35	20 23	20 10	17 22	2 9	2 54
T 30	23 14	1s 3	5 5	21 6	0 11	23 40	0 54	20 17	2 10	22 31	0 26	2 3	2 25	10 10	0 47	9 29	1 45	3 16	14 34	20 23	20 11	17 23	2 9	2 54
F 31	23s10	5s25	5n15	20s47	0n 5	23s33	0s56	20n18	2n10	22s32	0n26	2s 4	2n25	10n10	0n47	9s29	1n45	3n16	14s34	20n24	20n12	17s25	2n10	2n53

Julian Day Number = 2315643.5, Delta T = 59.65 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'49, Lahiri = 18°39'50Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1628
geocentric

JANUARY 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 40 15	10♑11'00	8♏40	26°R48	16♑19	21♉41	18♐25	10♎51	5°R42	28♎59	18°R14	28°R59	29♋55	6♐52	28♓48	S 1
S 2	6 44 11	11°12'11	20°32	26♑45	17°34	21°46	18°38	10°53	5♍41	29° 0	18♉13	28♋57	29°52	6°59	28°49	S 2
M 3	6 48 8	12°13'22	2♐22	26°31	18°50	21°51	18°51	10°55	5°39	29° 0	18°12	28°54	29°49	7° 5	28°50	M 3
T 4	6 52 5	13°14'33	14°12	26° 4	20° 5	21°57	19° 4	10°57	5°38	29° 1	18°12	28°51	29°46	7°12	28°52	T 4
W 5	6 56 1	14°15'44	26° 6	25°26	21°20	22° 4	19°17	10°59	5°37	29° 2	18°11	28°49	29°43	7°19	28°53	W 5
T 6	6 59 58	15°16'55	8♑ 5	24°37	22°36	22°11	19°30	11° 0	5°35	29° 3	18°11	28°47	29°40	7°25	28°54	T 6
F 7	7 3 54	16°18'05	20°11	23°39	23°51	22°19	19°43	11° 2	5°34	29° 4	18°10	28°46	29°36	7°32	28°56	F 7
S 8	7 7 51	17°19'15	2♒26	22°31	25° 7	22°28	19°56	11° 3	5°33	29° 5	18°10	28°D46	29°33	7°39	28°58	S 8
S 9	7 11 47	18°20'25	14°52	21°18	26°22	22°37	20° 9	11° 5	5°31	29° 5	18° 9	28°47	29°30	7°46	28°59	S 9
M10	7 15 44	19°21'33	27°29	20° 1	27°37	22°47	20°22	11° 6	5°30	29° 6	18° 9	28°48	29°27	7°52	29° 1	M10
T 11	7 19 41	20°22'42	10♓19	18°42	28°53	22°58	20°34	11° 7	5°28	29° 7	18° 8	28°48	29°24	7°59	29° 3	T 11
W12	7 23 37	21°23'49	23°24	17°24	0♒ 8	23° 9	20°47	11° 8	5°26	29° 8	18° 8	28°49	29°20	8° 6	29° 4	W12
T 13	7 27 34	22°24'56	6♈45	16° 9	1°23	23°21	21° 0	11° 9	5°25	29° 8	18° 7	28°50	29°17	8°12	29° 6	T 13
F 14	7 31 30	23°26'01	20°24	15° 0	2°39	23°33	21°12	11° 9	5°23	29° 9	18° 7	28°R50	29°14	8°19	29° 8	F 14
S 15	7 35 27	24°27'06	4♉21	13°57	3°54	23°46	21°25	11°10	5°21	29° 9	18° 6	28°50	29°11	8°26	29°10	S 15
S 16	7 39 23	25°28'10	18°36	13° 3	5° 9	23°59	21°37	11°10	5°20	29°10	18° 6	28°50	29° 8	8°32	29°12	S 16
M17	7 43 20	26°29'13	3♊ 6	12°17	6°25	24°13	21°49	11°11	5°18	29°10	18° 6	28°49	29° 5	8°39	29°14	M17
T 18	7 47 16	27°30'15	17°48	11°40	7°40	24°28	22° 2	11°11	5°16	29°11	18° 5	28°49	29° 1	8°46	29°16	T 18
W19	7 51 13	28°31'16	2♋35	11°12	8°55	24°43	22°14	11°11	5°14	29°11	18° 5	28°D49	28°58	8°52	29°18	W19
T 20	7 55 10	29°32'16	17°21	10°54	10°10	24°58	22°26	11°R12	5°12	29°12	18° 5	28°49	28°55	8°59	29°20	T 20
F 21	7 59 6	0♒33'15	1♌59	10°44	11°26	25°14	22°38	11°12	5°10	29°12	18° 5	28°R49	28°52	9° 6	29°23	F 21
S 22	8 3 3	1°34'13	16°22	10°D43	12°41	25°31	22°51	11°11	5° 8	29°12	18° 4	28°49	28°49	9°13	29°25	S 22
S 23	8 6 59	2°35'10	0♍24	10°49	13°56	25°48	23° 3	11°11	5° 6	29°12	18° 4	28°49	28°46	9°19	29°27	S 23
M24	8 10 56	3°36'07	14° 3	11° 3	15°11	26° 5	23°15	11°11	5° 4	29°13	18° 4	28°48	28°42	9°26	29°30	M24
T 25	8 14 52	4°37'02	27°18	11°23	16°26	26°23	23°26	11°10	5° 2	29°13	18° 4	28°48	28°39	9°33	29°32	T 25
W26	8 18 49	5°37'57	10♎ 9	11°49	17°42	26°41	23°38	11°10	5° 0	29°13	18° 4	28°47	28°36	9°39	29°34	W26
T 27	8 22 45	6°38'51	22°40	12°21	18°57	27° 0	23°50	11° 9	4°58	29°13	18° 4	28°46	28°33	9°46	29°37	T 27
F 28	8 26 42	7°39'45	4♏53	12°58	20°12	27°19	24° 2	11° 8	4°55	29°13	18° 3	28°D46	28°30	9°53	29°39	F 28
S 29	8 30 39	8°40'37	16°54	13°39	21°27	27°38	24°13	11° 8	4°53	29°13	18° 3	28°46	28°26	9°59	29°42	S 29
S 30	8 34 35	9°41'29	28°46	14°25	22°42	27°58	24°25	11° 7	4°51	29°13	18° 3	28°47	28°23	10° 6	29°45	S 30
M31	8 38 32	10♒42'19	10♐36	15♑15	23♒57	28♉19	24♐36	11♎ 6	4♍48	29°R13	18♉ 3	28♋48	28♋20	10♐13	29♓47	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 6	9s30	5n11	20s28	0n23	23s26	0s58	20n19	2n11	22s33	0n26	2s 5	2n25	10n10	0n47	9s29	1n45	3n16	14s34	20n24	20n12	17s26	2n10	2n53
S 2	23 1	13 12	4 53	20 11	0 41	23 19	0 59	20 21	2 11	22 34	0 26	2 5	2 26	10 11	0 47	9 30	1 45	3 16	14 34	20 25	20 13	17 28	2 10	2 53
M 3	22 55	16 22	4 23	19 55	1 0	23 10	1 1	20 23	2 12	22 36	0 25	2 6	2 26	10 11	0 47	9 30	1 45	3 16	14 33	20 25	20 14	17 30	2 11	2 53
T 4	22 50	18 52	3 42	19 41	1 19	23 1	1 3	20 25	2 12	22 37	0 25	2 6	2 26	10 12	0 47	9 30	1 46	3 16	14 33	20 26	20 14	17 31	2 11	2 52
W 5	22 43	20 35	2 51	19 29	1 38	22 51	1 5	20 27	2 12	22 38	0 25	2 6	2 27	10 12	0 47	9 30	1 46	3 17	14 33	20 26	20 15	17 33	2 11	2 52
T 6	22 37	21 22	1 52	19 20	1 57	22 41	1 6	20 29	2 13	22 39	0 25	2 7	2 27	10 13	0 47	9 31	1 46	3 17	14 32	20 27	20 16	17 34	2 12	2 52
F 7	22 29	21 11	0 47	19 12	2 15	22 29	1 8	20 31	2 13	22 40	0 25	2 7	2 27	10 13	0 47	9 31	1 46	3 17	14 32	20 27	20 16	17 36	2 12	2 52
S 8	22 22	19 59	0s20	19 7	2 31	22 17	1 9	20 34	2 13	22 41	0 25	2 7	2 27	10 14	0 48	9 31	1 46	3 17	14 32	20 27	20 17	17 38	2 12	2 52
S 9	22 14	17 49	1 28	19 3	2 47	22 5	1 11	20 36	2 13	22 42	0 25	2 8	2 28	10 15	0 48	9 31	1 46	3 17	14 32	20 27	20 18	17 39	2 13	2 51
M10	22 5	14 46	2 33	19 2	3 0	21 52	1 12	20 39	2 13	22 43	0 25	2 8	2 28	10 15	0 48	9 32	1 46	3 17	14 31	20 27	20 18	17 41	2 13	2 51
T 11	21 56	10 58	3 31	19 2	3 10	21 38	1 14	20 42	2 13	22 44	0 25	2 8	2 28	10 16	0 48	9 32	1 46	3 17	14 31	20 26	20 19	17 42	2 14	2 51
W12	21 47	6 35	4 19	19 4	3 19	21 23	1 15	20 45	2 14	22 45	0 25	2 8	2 29	10 16	0 48	9 32	1 46	3 18	14 31	20 26	20 20	17 44	2 14	2 51
T 13	21 37	1 49	4 54	19 7	3 25	21 8	1 16	20 48	2 14	22 46	0 25	2 8	2 29	10 17	0 48	9 32	1 46	3 18	14 30	20 26	20 20	17 46	2 15	2 50
F 14	21 27	3n 8	5 14	19 12	3 28	20 52	1 18	20 51	2 14	22 47	0 25	2 8	2 29	10 18	0 48	9 32	1 46	3 18	14 30	20 26	20 21	17 47	2 15	2 50
S 15	21 16	8 2	5 16	19 17	3 29	20 36	1 19	20 55	2 14	22 48	0 25	2 8	2 29	10 18	0 48	9 32	1 46	3 18	14 30	20 26	20 22	17 49	2 16	2 50
S 16	21 5	12 36	4 59	19 24	3 28	20 19	1 20	20 58	2 14	22 49	0 25	2 8	2 30	10 19	0 48	9 32	1 46	3 18	14 30	20 26	20 22	17 50	2 17	2 50
M17	20 54	16 31	4 23	19 31	3 25	20 1	1 21	21 2	2 14	22 49	0 25	2 8	2 30	10 20	0 48	9 33	1 46	3 19	14 29	20 26	20 23	17 52	2 17	2 50
T 18	20 42	19 28	3 29	19 39	3 20	19 43	1 22	21 5	2 14	22 50	0 25	2 8	2 30	10 20	0 48	9 33	1 46	3 19	14 29	20 26	20 24	17 54	2 18	2 49
W19	20 30	21 7	2 21	19 48	3 13	19 24	1 23	21 9	2 14	22 51	0 25	2 8	2 31	10 21	0 48	9 33	1 46	3 19	14 29	20 26	20 24	17 55	2 19	2 49
T 20	20 17	21 19	1 3	19 57	3 6	19 5	1 24	21 13	2 14	22 52	0 25	2 7	2 31	10 22	0 48	9 33	1 47	3 19	14 28	20 26	20 25	17 57	2 19	2 49
F 21	20 4	20 3	0n18	20 6	2 57	18 45	1 25	21 16	2 14	22 52	0 24	2 7	2 31	10 23	0 48	9 33	1 47	3 20	14 28	20 26	20 26	17 58	2 20	2 49
S 22	19 51	17 29	1 36	20 16	2 48	18 24	1 26	21 20	2 14	22 53	0 24	2 7	2 31	10 23	0 48	9 33	1 47	3 20	14 28	20 26	20 26	18 0	2 21	2 49
S 23	19 37	13 57	2 47	20 25	2 38	18 3	1 26	21 24	2 14	22 54	0 24	2 6	2 32	10 24	0 48	9 33	1 47	3 20	14 27	20 26	20 27	18 1	2 21	2 48
M24	19 23	9 45	3 46	20 34	2 28	17 42	1 27	21 28	2 13	22 55	0 24	2 6	2 32	10 25	0 48	9 33	1 47	3 20	14 27	20 26	20 28	18 3	2 22	2 48
T 25	19 9	5 13	4 31	20 43	2 18	17 20	1 27	21 33	2 13	22 55	0 24	2 6	2 32	10 26	0 48	9 33	1 47	3 21	14 27	20 27	20 28	18 4	2 23	2 48
W26	18 54	0 35	5 1	20 51	2 7	16 57	1 28	21 37	2 13	22 56	0 24	2 5	2 33	10 27	0 48	9 33	1 47	3 21	14 26	20 27	20 29	18 6	2 24	2 48
T 27	18 39	3s57	5 16	20 59	1 56	16 34	1 28	21 41	2 13	22 56	0 24	2 5	2 33	10 27	0 48	9 33	1 47	3 21	14 26	20 27	20 30	18 8	2 25	2 48
F 28	18 23	8 13	5 16	21 7	1 45	16 11	1 29	21 45	2 13	22 57	0 24	2 4	2 33	10 28	0 48	9 33	1 47	3 21	14 26	20 27	20 30	18 9	2 25	2 47
S 29	18 8	12 5	5 2	21 14	1 34	15 47	1 29	21 50	2 13	22 58	0 24	2 4	2 33	10 29	0 48	9 33	1 47	3 22	14 25	20 27	20 31	18 11	2 26	2 47
S 30	17 52	15 27	4 35	21 20	1 23	15 23	1 29	21 54	2 13	22 58	0 24	2 3	2 34	10 30	0 48	9 33	1 47	3 22	14 25	20 27	20 31	18 12	2 27	2 47
M31	17s35	18s10	3n57	21s25	1n12	14s58	1s30	21n58	2n12	22s59	0n24	2s 2	2n34	10n31	0n48	9s33	1n47	3n22	14s25	20n26	20n32	18s14	2n28	2n47

Julian Day Number = 2315674.5, Delta T = 59.58 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'54, Lahiri = 18°39'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

FEBRUARY 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 42 28	11♒43'09	22♐27	16♉ 8	25♒12	28♉39	24♐48	11°R 4	4°R46	29°R13	18°D 3	28♋49	28♋17	10♐19	29♓50	T 1
W 2	8 46 25	12°43'58	4♉24	17° 4	26°27	29° 0	24°59	11♎ 3	4♍44	29♎13	18♉ 3	28°50	28°14	10°26	29°53	W 2
T 3	8 50 21	13°44'45	16°29	18° 3	27°42	29°21	25°10	11° 2	4°41	29°13	18° 3	28°51	28°11	10°33	29°55	T 3
F 4	8 54 18	14°45'32	28°46	19° 5	28°57	29°43	25°21	11° 0	4°39	29°13	18° 3	28°R52	28° 7	10°40	29°58	F 4
S 5	8 58 14	15°46'17	11♒16	20°10	0♓12	0♊ 5	25°32	10°59	4°37	29°13	18° 3	28°51	28° 4	10°46	0♈ 1	S 5
S 6	9 2 11	16°47'01	24° 1	21°17	1°27	0°28	25°43	10°57	4°34	29°13	18° 4	28°50	28° 1	10°53	0° 4	S 6
M 7	9 6 8	17°47'43	7♓ 0	22°26	2°42	0°50	25°54	10°55	4°32	29°13	18° 4	28°48	27°58	11° 0	0° 7	M 7
T 8	9 10 4	18°48'24	20°14	23°36	3°57	1°13	26° 5	10°53	4°29	29°12	18° 4	28°45	27°55	11° 6	0°10	T 8
W 9	9 14 1	19°49'03	3♈40	24°49	5°12	1°37	26°15	10°51	4°27	29°12	18° 4	28°42	27°52	11°13	0°13	W 9
T 10	9 17 57	20°49'41	17°19	26° 4	6°27	2° 0	26°26	10°49	4°24	29°12	18° 4	28°39	27°48	11°20	0°16	T 10
F 11	9 21 54	21°50'16	1♉ 8	27°20	7°42	2°24	26°36	10°47	4°22	29°11	18° 4	28°36	27°45	11°26	0°19	F 11
S 12	9 25 50	22°50'50	15° 7	28°37	8°57	2°48	26°47	10°45	4°19	29°11	18° 5	28°35	27°42	11°33	0°22	S 12
S 13	9 29 47	23°51'23	29°14	29°56	10°12	3°13	26°57	10°42	4°17	29°10	18° 5	28°D35	27°39	11°40	0°25	S 13
M14	9 33 43	24°51'53	13♊26	1♒17	11°26	3°37	27° 7	10°40	4°14	29°10	18° 5	28°36	27°36	11°46	0°28	M14
T 15	9 37 40	25°52'21	27°43	2°38	12°41	4° 2	27°17	10°37	4°11	29° 9	18° 5	28°37	27°32	11°53	0°31	T 15
W16	9 41 37	26°52'48	12♋ 2	4° 1	13°56	4°28	27°27	10°35	4° 9	29° 9	18° 6	28°39	27°29	12° 0	0°34	W16
T 17	9 45 33	27°53'13	26°19	5°25	15°11	4°53	27°37	10°32	4° 6	29° 8	18° 6	28°R39	27°26	12° 6	0°37	T 17
F 18	9 49 30	28°53'36	10♌31	6°51	16°25	5°19	27°46	10°29	4° 4	29° 8	18° 6	28°39	27°23	12°13	0°41	F 18
S 19	9 53 26	29°53'57	24°33	8°17	17°40	5°45	27°56	10°26	4° 1	29° 7	18° 7	28°37	27°20	12°20	0°44	S 19
S 20	9 57 23	0♓54'16	8♍21	9°45	18°55	6°11	28° 6	10°23	3°58	29° 6	18° 7	28°33	27°17	12°26	0°47	S 20
M21	10 1 19	1°54'33	21°51	11°14	20° 9	6°37	28°15	10°20	3°56	29° 6	18° 8	28°28	27°13	12°33	0°50	M21
T 22	10 5 16	2°54'49	5♎ 3	12°44	21°24	7° 4	28°24	10°17	3°53	29° 5	18° 8	28°22	27°10	12°40	0°54	T 22
W23	10 9 12	3°55'04	17°54	14°15	22°38	7°31	28°33	10°14	3°50	29° 4	18° 8	28°16	27° 7	12°47	0°57	W23
T 24	10 13 9	4°55'16	0♏27	15°47	23°53	7°58	28°42	10°11	3°48	29° 4	18° 9	28°11	27° 4	12°53	1° 0	T 24
F 25	10 17 5	5°55'27	12°42	17°20	25° 7	8°25	28°51	10° 7	3°45	29° 3	18° 9	28° 7	27° 1	13° 0	1° 4	F 25
S 26	10 21 2	6°55'37	24°45	18°55	26°22	8°53	29° 0	10° 4	3°43	29° 2	18°10	28° 4	26°57	13° 7	1° 7	S 26
S 27	10 24 59	7°55'45	6♐39	20°30	27°36	9°20	29° 9	10° 0	3°40	29° 1	18°10	28°D 3	26°54	13°13	1°11	S 27
M28	10 28 55	8°55'52	18°29	22° 6	28°51	9°48	29°17	9°57	3°37	29° 0	18°11	28° 4	26°51	13°20	1°14	M28
T 29	10 32 52	9♓55'56	0♉20	23♒44	0♈ 5	10♊16	29♐26	9♎53	3♍35	28♎59	18♉12	28♋ 5	26♋48	13♐27	1♈17	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s18	20s 8	3n 8	21s29	1n 2	14s33	1s30	22n 3	2n12	22s59	0n24	2s 2	2n34	10n32	0n48	9s33	1n47	3n23	14s24	20n26	20n33	18s15	2n29	2n47
W 2	17 1	21 13	2 11	21 33	0 51	14 8	1 30	22 7	2 12	23 0	0 24	2 1	2 34	10 33	0 48	9 33	1 47	3 23	14 24	20 26	20 33	18 17	2 30	2 47
T 3	16 44	21 21	1 8	21 35	0 41	13 42	1 30	22 12	2 12	23 0	0 24	2 0	2 35	10 33	0 48	9 33	1 47	3 23	14 24	20 26	20 34	18 18	2 31	2 46
F 4	16 26	20 26	0 1	21 37	0 31	13 16	1 30	22 16	2 11	23 1	0 24	1 59	2 35	10 34	0 48	9 33	1 47	3 24	14 23	20 26	20 35	18 20	2 32	2 46
S 5	16 8	18 31	1s 8	21 37	0 21	12 49	1 30	22 21	2 11	23 1	0 24	1 58	2 35	10 35	0 48	9 32	1 48	3 24	14 23	20 26	20 35	18 21	2 33	2 46
S 6	15 50	15 39	2 15	21 37	0 11	12 22	1 29	22 25	2 11	23 1	0 24	1 57	2 36	10 36	0 48	9 32	1 48	3 24	14 23	20 26	20 36	18 23	2 34	2 46
M 7	15 32	11 59	3 15	21 35	0 2	11 55	1 29	22 30	2 11	23 2	0 24	1 56	2 36	10 37	0 48	9 32	1 48	3 25	14 22	20 27	20 37	18 24	2 35	2 46
T 8	15 13	7 39	4 7	21 32	0s 7	11 27	1 29	22 34	2 10	23 2	0 24	1 55	2 36	10 38	0 48	9 32	1 48	3 25	14 22	20 27	20 37	18 26	2 36	2 45
W 9	14 54	2 54	4 45	21 28	0 16	10 59	1 28	22 39	2 10	23 2	0 24	1 54	2 36	10 39	0 48	9 32	1 48	3 25	14 22	20 28	20 38	18 27	2 37	2 45
T 10	14 35	2n 4	5 9	21 23	0 24	10 31	1 28	22 43	2 10	23 3	0 23	1 53	2 37	10 40	0 48	9 32	1 48	3 26	14 21	20 28	20 38	18 29	2 38	2 45
F 11	14 15	6 59	5 14	21 16	0 33	10 3	1 27	22 48	2 10	23 3	0 23	1 52	2 37	10 41	0 48	9 31	1 48	3 26	14 21	20 29	20 39	18 30	2 39	2 45
S 12	13 56	11 35	5 2	21 8	0 41	9 34	1 27	22 52	2 9	23 3	0 23	1 51	2 37	10 42	0 48	9 31	1 48	3 26	14 21	20 29	20 40	18 32	2 40	2 45
S 13	13 36	15 37	4 31	20 59	0 48	9 5	1 26	22 57	2 9	23 4	0 23	1 50	2 37	10 43	0 48	9 31	1 48	3 27	14 20	20 29	20 40	18 33	2 41	2 45
M14	13 16	18 46	3 43	20 49	0 56	8 36	1 25	23 1	2 9	23 4	0 23	1 49	2 38	10 44	0 48	9 31	1 48	3 27	14 20	20 29	20 41	18 35	2 42	2 45
T 15	12 55	20 46	2 42	20 38	1 3	8 7	1 25	23 6	2 8	23 4	0 23	1 48	2 38	10 45	0 48	9 31	1 48	3 28	14 20	20 29	20 42	18 36	2 43	2 44
W16	12 35	21 27	1 30	20 25	1 10	7 37	1 24	23 10	2 8	23 4	0 23	1 46	2 38	10 46	0 48	9 30	1 48	3 28	14 20	20 28	20 42	18 38	2 44	2 44
T 17	12 14	20 43	0 13	20 11	1 16	7 7	1 23	23 15	2 8	23 5	0 23	1 45	2 38	10 47	0 48	9 30	1 48	3 28	14 19	20 28	20 43	18 39	2 45	2 44
F 18	11 53	18 40	1n 5	19 55	1 22	6 37	1 22	23 19	2 7	23 5	0 23	1 44	2 38	10 47	0 48	9 30	1 48	3 29	14 19	20 28	20 43	18 41	2 46	2 44
S 19	11 32	15 31	2 17	19 39	1 28	6 7	1 21	23 24	2 7	23 5	0 23	1 42	2 39	10 48	0 48	9 30	1 48	3 29	14 19	20 29	20 44	18 42	2 48	2 44
S 20	11 10	11 33	3 20	19 20	1 33	5 37	1 19	23 28	2 7	23 5	0 23	1 41	2 39	10 49	0 48	9 29	1 48	3 30	14 18	20 29	20 45	18 44	2 49	2 44
M21	10 49	7 4	4 10	19 1	1 38	5 6	1 18	23 32	2 6	23 5	0 23	1 40	2 39	10 50	0 48	9 29	1 48	3 30	14 18	20 30	20 45	18 45	2 50	2 44
T 22	10 27	2 22	4 46	18 40	1 43	4 36	1 17	23 36	2 6	23 6	0 23	1 38	2 39	10 51	0 48	9 29	1 49	3 30	14 18	20 32	20 46	18 47	2 51	2 43
W23	10 5	2s19	5 6	18 18	1 48	4 5	1 16	23 40	2 6	23 6	0 23	1 37	2 40	10 52	0 48	9 28	1 49	3 31	14 17	20 33	20 47	18 48	2 52	2 43
T 24	9 44	6 48	5 11	17 55	1 52	3 34	1 14	23 45	2 5	23 6	0 23	1 35	2 40	10 53	0 48	9 28	1 49	3 31	14 17	20 34	20 47	18 50	2 54	2 43
F 25	9 21	10 54	5 1	17 30	1 55	3 3	1 13	23 49	2 5	23 6	0 23	1 34	2 40	10 54	0 48	9 28	1 49	3 32	14 17	20 35	20 48	18 51	2 55	2 43
S 26	8 59	14 29	4 38	17 4	1 59	2 32	1 11	23 53	2 5	23 6	0 23	1 32	2 40	10 55	0 48	9 27	1 49	3 32	14 16	20 35	20 48	18 52	2 56	2 43
S 27	8 37	17 28	4 4	16 36	2 2	2 1	1 10	23 57	2 4	23 6	0 23	1 31	2 40	10 56	0 48	9 27	1 49	3 33	14 16	20 36	20 49	18 54	2 57	2 43
M28	8 14	19 41	3 19	16 8	2 4	1 30	1 8	24 0	2 4	23 6	0 23	1 29	2 41	10 57	0 48	9 27	1 49	3 33	14 16	20 35	20 50	18 55	2 59	2 43
T 29	7s52	21s 4	2n25	15s37	2s 6	0s59	1s 6	24n 4	2n 4	23s 6	0n23	1s28	2n41	10n58	0n48	9s26	1n49	3n33	14s15	20n35	20n50	18s57	3n 0	2n42

Julian Day Number = 2315705.5, Delta T = 59.51 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°32'58, Lahiri = 18°39'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

MARCH 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 36 48	10♓56'00	12♉18	25♒22	1♈19	10♊44	29♐34	9°R49	3°R32	28°R58	18♉12	28♋ 6	26♋45	13♐33	1♈21	W 1
T 2	10 40 45	11°56'01	24°27	27° 2	2°34	11°13	29°42	9♎45	3♍30	28♎57	18°13	28°R 8	26°42	13°40	1°24	T 2
F 3	10 44 41	12°56'01	6♒51	28°43	3°48	11°41	29°50	9°42	3°27	28°56	18°13	28° 7	26°38	13°47	1°28	F 3
S 4	10 48 38	13°55'59	19°34	0♓25	5° 2	12°10	29°58	9°38	3°24	28°55	18°14	28° 5	26°35	13°53	1°31	S 4
S 5	10 52 34	14°55'56	2♓36	2° 8	6°16	12°39	0♉ 6	9°34	3°22	28°54	18°15	28° 0	26°32	14° 0	1°35	S 5
M 6	10 56 31	15°55'50	15°57	3°52	7°30	13° 8	0°13	9°30	3°19	28°53	18°16	27°54	26°29	14° 7	1°39	M 6
T 7	11 0 28	16°55'42	29°37	5°38	8°45	13°37	0°21	9°26	3°17	28°52	18°16	27°46	26°26	14°13	1°42	T 7
W 8	11 4 24	17°55'32	13♈32	7°24	9°59	14° 6	0°28	9°21	3°14	28°51	18°17	27°37	26°23	14°20	1°46	W 8
T 9	11 8 21	18°55'21	27°37	9°12	11°13	14°36	0°35	9°17	3°12	28°50	18°18	27°29	26°19	14°27	1°49	T 9
F 10	11 12 17	19°55'07	11♉49	11° 1	12°27	15° 6	0°43	9°13	3° 9	28°49	18°18	27°22	26°16	14°33	1°53	F 10
S 11	11 16 14	20°54'50	26° 3	12°51	13°41	15°35	0°49	9° 9	3° 7	28°48	18°19	27°18	26°13	14°40	1°57	S 11
S 12	11 20 10	21°54'32	10♊15	14°43	14°55	16° 5	0°56	9° 4	3° 4	28°46	18°20	27°15	26°10	14°47	2° 0	S 12
M13	11 24 7	22°54'11	24°24	16°35	16° 8	16°36	1° 3	9° 0	3° 2	28°45	18°21	27°D14	26° 7	14°53	2° 4	M13
T 14	11 28 3	23°53'48	8♋28	18°29	17°22	17° 6	1° 9	8°56	2°59	28°44	18°22	27°15	26° 3	15° 0	2° 7	T 14
W15	11 32 0	24°53'23	22°26	20°24	18°36	17°36	1°16	8°51	2°57	28°43	18°23	27°R16	26° 0	15° 7	2°11	W15
T 16	11 35 57	25°52'55	6♌18	22°20	19°50	18° 7	1°22	8°47	2°55	28°41	18°23	27°15	25°57	15°13	2°15	T 16
F 17	11 39 53	26°52'25	20° 2	24°17	21° 4	18°37	1°28	8°42	2°52	28°40	18°24	27°13	25°54	15°20	2°18	F 17
S 18	11 43 50	27°51'53	3♍37	26°16	22°17	19° 8	1°34	8°38	2°50	28°39	18°25	27° 8	25°51	15°27	2°22	S 18
S 19	11 47 46	28°51'18	17° 2	28°15	23°31	19°39	1°39	8°33	2°48	28°37	18°26	27° 1	25°48	15°34	2°26	S 19
M20	11 51 43	29°50'41	0♎14	0♈15	24°44	20°10	1°45	8°29	2°46	28°36	18°27	26°51	25°44	15°40	2°29	M20
T 21	11 55 39	0♈50'03	13°12	2°16	25°58	20°41	1°50	8°24	2°43	28°35	18°28	26°40	25°41	15°47	2°33	T 21
W22	11 59 36	1°49'22	25°54	4°18	27°11	21°12	1°55	8°20	2°41	28°33	18°29	26°28	25°38	15°54	2°37	W22
T 23	12 3 32	2°48'39	8♏21	6°21	28°25	21°43	2° 0	8°15	2°39	28°32	18°30	26°17	25°35	16° 0	2°40	T 23
F 24	12 7 29	3°47'55	20°35	8°24	29°38	22°15	2° 5	8°10	2°37	28°30	18°31	26° 8	25°32	16° 7	2°44	F 24
S 25	12 11 25	4°47'08	2♐36	10°27	0♑52	22°46	2°10	8° 6	2°35	28°29	18°32	26° 1	25°29	16°14	2°48	S 25
S 26	12 15 22	5°46'20	14°29	12°30	2° 5	23°18	2°14	8° 1	2°33	28°27	18°33	25°56	25°25	16°20	2°51	S 26
M27	12 19 19	6°45'30	26°19	14°33	3°18	23°50	2°19	7°56	2°31	28°26	18°34	25°54	25°22	16°27	2°55	M27
T 28	12 23 15	7°44'39	8♉ 9	16°35	4°31	24°21	2°23	7°52	2°29	28°24	18°35	25°D53	25°19	16°34	2°59	T 28
W29	12 27 12	8°43'45	20° 7	18°36	5°45	24°53	2°27	7°47	2°27	28°23	18°36	25°R54	25°16	16°40	3° 2	W29
T 30	12 31 8	9°42'50	2♒16	20°36	6°58	25°25	2°31	7°42	2°25	28°21	18°37	25°54	25°13	16°47	3° 6	T 30
F 31	12 35 5	10♈41'53	14♒42	22♈35	8♑11	25♊57	2♉35	7♎38	2♍23	28♎20	18♉38	25♋52	25♋ 9	16♐54	3♈10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	7s29	21s30	1n25	15s 6	2s 8	0s28	1s 5	24n 8	2n 3	23s 6	0n23	1s26	2n41	10n59	0n48	9s26	1n49	3n34	14s15	20n35	20n51	18s58	3n 1	2n42	
T 2	7 6	20 57	0 20	14 33	2 10	0n 3	1 3	24 12	2 3	23 7	0 23	1 24	2 41	11 0	0 48	9 26	1 49	3 34	14 15	20 35	20 52	19 0	3 2	2 42	
F 3	6 43	19 21	0s47	13 59	2 11	0 35	1 1	24 15	2 3	23 7	0 23	1 23	2 41	11 1	0 48	9 25	1 49	3 35	14 15	20 35	20 52	19 1	3 4	2 42	
S 4	6 20	16 46	1 53	13 23	2 11	1 6	0 59	24 19	2 2	23 7	0 23	1 21	2 41	11 2	0 48	9 25	1 49	3 35	14 14	20 35	20 53	19 3	3 5	2 42	
S 5	5 57	13 18	2 55	12 46	2 11	1 37	0 57	24 22	2 2	23 7	0 23	1 19	2 42	11 3	0 48	9 24	1 49	3 36	14 14	20 36	20 53	19 4	3 6	2 42	
M 6	5 34	9 4	3 49	12 8	2 11	2 8	0 55	24 26	2 1	23 7	0 22	1 18	2 42	11 4	0 48	9 24	1 49	3 36	14 14	20 37	20 54	19 5	3 8	2 42	
T 7	5 10	4 17	4 31	11 29	2 10	2 40	0 53	24 29	2 1	23 7	0 22	1 16	2 42	11 5	0 48	9 23	1 49	3 37	14 13	20 39	20 55	19 7	3 9	2 42	
W 8	4 47	0n47	4 57	10 48	2 9	3 11	0 51	24 32	2 1	23 7	0 22	1 14	2 42	11 5	0 48	9 23	1 49	3 37	14 13	20 41	20 55	19 8	3 10	2 42	
T 9	4 24	5 53	5 7	10 6	2 7	3 42	0 49	24 35	2 0	23 7	0 22	1 12	2 42	11 6	0 48	9 23	1 49	3 38	14 13	20 42	20 56	19 10	3 12	2 41	
F 10	4 0	10 42	4 57	9 22	2 5	4 13	0 47	24 38	2 0	23 7	0 22	1 10	2 42	11 7	0 48	9 22	1 49	3 38	14 13	20 44	20 56	19 11	3 13	2 41	
S 11	3 37	14 57	4 29	8 37	2 2	4 44	0 44	24 41	2 0	23 7	0 22	1 9	2 42	11 8	0 48	9 22	1 49	3 38	14 12	20 45	20 57	19 12	3 14	2 41	
S 12	3 13	18 19	3 45	7 51	1 58	5 14	0 42	24 44	1 59	23 7	0 22	1 7	2 42	11 9	0 48	9 21	1 49	3 39	14 12	20 45	20 58	19 14	3 16	2 41	
M13	2 49	20 35	2 47	7 4	1 55	5 45	0 40	24 47	1 59	23 7	0 22	1 5	2 43	11 10	0 48	9 21	1 50	3 39	14 12	20 45	20 58	19 15	3 17	2 41	
T 14	2 26	21 34	1 39	6 15	1 50	6 16	0 37	24 49	1 58	23 7	0 22	1 3	2 43	11 11	0 48	9 20	1 50	3 40	14 11	20 45	20 59	19 17	3 18	2 41	
W15	2 2	21 11	0 26	5 26	1 46	6 46	0 35	24 52	1 58	23 7	0 22	1 1	2 43	11 12	0 48	9 20	1 50	3 40	14 11	20 45	20 59	19 18	3 20	2 41	
T 16	1 38	19 31	0n48	4 35	1 40	7 16	0 32	24 54	1 58	23 7	0 22	1 0	2 43	11 12	0 48	9 19	1 50	3 41	14 11	20 45	21 0	19 19	3 21	2 41	
F 17	1 15	16 42	1 59	3 43	1 34	7 46	0 30	24 57	1 57	23 7	0 22	0 58	2 43	11 13	0 48	9 19	1 50	3 41	14 11	20 45	21 1	19 21	3 23	2 41	
S 18	0 51	13 1	3 1	2 50	1 28	8 16	0 27	24 59	1 57	23 7	0 22	0 56	2 43	11 14	0 48	9 18	1 50	3 42	14 10	20 46	21 1	19 22	3 24	2 41	
S 19	0 27	8 42	3 53	1 56	1 21	8 46	0 25	25 1	1 56	23 7	0 22	0 54	2 43	11 15	0 48	9 18	1 50	3 42	14 10	20 48	21 2	19 24	3 25	2 41	
M20	0 4	4 3	4 31	1 1	1 13	9 16	0 22	25 3	1 56	23 7	0 22	0 52	2 43	11 16	0 48	9 17	1 50	3 43	14 10	20 50	21 2	19 25	3 27	2 41	
T 21	0n20	0s42	4 55	0 6	1 5	9 45	0 19	25 5	1 56	23 7	0 22	0 50	2 43	11 16	0 48	9 17	1 50	3 43	14 10	20 52	21 3	19 26	3 28	2 40	
W22	0 44	5 19	5 3	0n51	0 57	10 14	0 17	25 7	1 55	23 7	0 22	0 48	2 43	11 17	0 48	9 16	1 50	3 44	14 9	20 54	21 3	19 28	3 30	2 40	
T 23	1 7	9 38	4 56	1 48	0 48	10 43	0 14	25 8	1 55	23 7	0 22	0 46	2 43	11 18	0 48	9 16	1 50	3 44	14 9	20 56	21 4	19 29	3 31	2 40	
F 24	1 31	13 29	4 36	2 45	0 38	11 11	0 11	25 10	1 54	23 7	0 22	0 45	2 44	11 19	0 48	9 15	1 50	3 45	14 9	20 58	21 5	19 30	3 32	2 40	
S 25	1 54	16 44	4 4	3 43	0 28	11 40	0 9	25 11	1 54	23 6	0 22	0 43	2 44	11 19	0 48	9 15	1 50	3 45	14 9	20 59	21 5	19 32	3 34	2 40	
S 26	2 18	19 15	3 21	4 40	0 18	12 8	0 6	25 12	1 54	23 6	0 22	0 41	2 44	11 20	0 48	9 14	1 50	3 46	14 9	21 0	21 6	19 33	3 35	2 40	
M27	2 41	20 56	2 30	5 38	0 7	12 36	0 3	25 14	1 53	23 6	0 22	0 39	2 44	11 21	0 48	9 13	1 50	3 46	14 8	21 1	21 6	19 34	3 37	2 40	
T 28	3 5	21 41	1 33	6 35	0n 4	13 3	0 0	25 15	1 53	23 6	0 22	0 37	2 44	11 22	0 48	9 13	1 50	3 47	14 8	21 1	21 7	19 36	3 38	2 40	
W29	3 28	21 28	0 31	7 32	0 15	13 30	0n 3	25 16	1 52	23 6	0 21	0 35	2 44	11 22	0 48	9 12	1 50	3 47	14 8	21 1	21 8	19 37	3 39	2 40	
T 30	3 51	20 15	0s34	8 28	0 26	13 57	0 6	25 16	1 52	23 6	0 21	0 33	2 44	11 23	0 48	9 12	1 50	3 48	14 8	21 1	21 8	19 38	3 41	2 40	
F 31	4n15	18s 1	1s38	9n23	0n38	14n24	0n 8	25n17	1n52	23s 6	0n21	0s32	2n44	11n24	0n48	9s11	1n50	3n48	14s 7	21n 1	21n 9	19s40	3n42	2n40	

Julian Day Number = 2315734.5, Delta T = 59.45 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'02, Lahiri = 18°40'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

APRIL 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 39 1	11♈40'54	27♒30	24♈31	9♉24	26♊30	2♑38	7°R33	2°R21	28°R18	18♉39	25°R49	25♋ 6	17♐ 0	3♈13	S 1
S 2	12 42 58	12°39'53	10♓42	26°25	10°37	27° 2	2°41	7♎28	2♍19	28♎17	18°41	25♋42	25° 3	17° 7	3°17	S 2
M 3	12 46 54	13°38'50	24°18	28°16	11°50	27°34	2°45	7°24	2°17	28°15	18°42	25°33	25° 0	17°14	3°21	M 3
T 4	12 50 51	14°37'45	8♈19	0♉ 5	13° 3	28° 7	2°47	7°19	2°16	28°14	18°43	25°23	24°57	17°20	3°24	T 4
W 5	12 54 48	15°36'38	22°38	1°50	14°15	28°39	2°50	7°15	2°14	28°12	18°44	25°11	24°54	17°27	3°28	W 5
T 6	12 58 44	16°35'30	7♉11	3°31	15°28	29°12	2°53	7°10	2°12	28°10	18°45	24°59	24°50	17°34	3°31	T 6
F 7	13 2 41	17°34'19	21°50	5° 8	16°41	29°44	2°55	7° 5	2°11	28° 9	18°46	24°50	24°47	17°40	3°35	F 7
S 8	13 6 37	18°33'06	6♊27	6°41	17°54	0♋17	2°57	7° 1	2° 9	28° 7	18°48	24°42	24°44	17°47	3°39	S 8
S 9	13 10 34	19°31'51	20°57	8° 9	19° 6	0°50	3° 0	6°56	2° 8	28° 6	18°49	24°38	24°41	17°54	3°42	S 9
M10	13 14 30	20°30'34	5♋15	9°33	20°19	1°23	3° 1	6°52	2° 6	28° 4	18°50	24°36	24°38	18° 0	3°46	M10
T 11	13 18 27	21°29'14	19°20	10°51	21°31	1°56	3° 3	6°48	2° 5	28° 2	18°51	24°35	24°34	18° 7	3°49	T 11
W12	13 22 23	22°27'52	3♌11	12° 5	22°44	2°29	3° 5	6°43	2° 3	28° 1	18°52	24°35	24°31	18°14	3°53	W12
T 13	13 26 20	23°26'28	16°48	13°13	23°56	3° 2	3° 6	6°39	2° 2	27°59	18°54	24°34	24°28	18°20	3°56	T 13
F 14	13 30 17	24°25'01	0♍13	14°16	25° 8	3°35	3° 7	6°34	2° 1	27°57	18°55	24°31	24°25	18°27	4° 0	F 14
S 15	13 34 13	25°23'33	13°26	15°14	26°21	4° 9	3° 8	6°30	1°59	27°56	18°56	24°25	24°22	18°34	4° 3	S 15
S 16	13 38 10	26°22'02	26°28	16° 6	27°33	4°42	3° 9	6°26	1°58	27°54	18°57	24°16	24°19	18°40	4° 7	S 16
M17	13 42 6	27°20'29	9♎18	16°53	28°45	5°15	3° 9	6°22	1°57	27°52	18°59	24° 5	24°15	18°47	4°10	M17
T 18	13 46 3	28°18'54	21°58	17°34	29°57	5°49	3°10	6°18	1°56	27°51	19° 0	23°52	24°12	18°54	4°14	T 18
W19	13 49 59	29°17'17	4♏26	18° 9	1♊ 9	6°22	3°R10	6°13	1°55	27°49	19° 1	23°39	24° 9	19° 0	4°17	W19
T 20	13 53 56	0♉15'39	16°42	18°39	2°21	6°56	3°10	6° 9	1°54	27°48	19° 2	23°26	24° 6	19° 7	4°20	T 20
F 21	13 57 52	1°13'58	28°48	19° 2	3°33	7°30	3°10	6° 5	1°53	27°46	19° 4	23°14	24° 3	19°14	4°24	F 21
S 22	14 1 49	2°12'16	10♐46	19°21	4°44	8° 3	3° 9	6° 1	1°52	27°44	19° 5	23° 6	24° 0	19°20	4°27	S 22
S 23	14 5 46	3°10'33	22°36	19°33	5°56	8°37	3° 9	5°58	1°51	27°43	19° 6	23° 0	23°56	19°27	4°30	S 23
M24	14 9 42	4° 8'48	4♑25	19°40	7° 8	9°11	3° 8	5°54	1°50	27°41	19° 8	22°56	23°53	19°34	4°34	M24
T 25	14 13 39	5° 7'01	16°14	19°R41	8°19	9°45	3° 7	5°50	1°49	27°39	19° 9	22°55	23°50	19°40	4°37	T 25
W26	14 17 35	6° 5'13	28°10	19°37	9°31	10°19	3° 6	5°46	1°49	27°38	19°10	22°D55	23°47	19°47	4°40	W26
T 27	14 21 32	7° 3'23	10♒18	19°28	10°42	10°53	3° 5	5°43	1°48	27°36	19°12	22°R55	23°44	19°54	4°44	T 27
F 28	14 25 28	8° 1'32	22°43	19°15	11°54	11°27	3° 3	5°39	1°48	27°35	19°13	22°54	23°40	20° 0	4°47	F 28
S 29	14 29 25	8°59'39	5♓30	18°56	13° 5	12° 1	3° 1	5°36	1°47	27°33	19°14	22°51	23°37	20° 7	4°50	S 29
S 30	14 33 21	9♉57'45	18♓43	18♉34	14♊16	12♋35	3♑ 0	5♎32	1♍46	27♎31	19♉16	22♋46	23♋34	20♐14	4♈53	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n38	14s51	2s39	10n17	0n50	14n50	0n11	25n18	1n51	23s 6	0n21	0s30	2n44	11n24	0n48	9s11	1n50	3n49	14s 7	21n 2	21n 9	19s41	3n44	2n40
S 2	5 1	10 52	3 34	11 10	1 1	15 16	0 14	25 18	1 51	23 6	0 21	0 28	2 44	11 25	0 48	9 10	1 50	3 49	14 7	21 3	21 10	19 42	3 45	2 40
M 3	5 24	6 12	4 18	12 0	1 12	15 41	0 17	25 18	1 50	23 6	0 21	0 26	2 44	11 25	0 48	9 10	1 50	3 49	14 7	21 4	21 10	19 44	3 46	2 40
T 4	5 47	1 6	4 48	12 49	1 23	16 6	0 20	25 18	1 50	23 6	0 21	0 24	2 44	11 26	0 48	9 9	1 50	3 50	14 7	21 6	21 11	19 45	3 48	2 40
W 5	6 9	4n10	5 0	13 36	1 34	16 31	0 23	25 18	1 50	23 6	0 21	0 22	2 44	11 27	0 48	9 8	1 50	3 50	14 6	21 8	21 12	19 46	3 49	2 40
T 6	6 32	9 18	4 54	14 21	1 45	16 55	0 26	25 18	1 49	23 6	0 21	0 21	2 44	11 27	0 48	9 8	1 50	3 51	14 6	21 11	21 12	19 48	3 51	2 40
F 7	6 55	13 56	4 28	15 3	1 55	17 19	0 29	25 18	1 49	23 6	0 21	0 19	2 44	11 28	0 48	9 7	1 50	3 51	14 6	21 12	21 13	19 49	3 52	2 40
S 8	7 17	17 44	3 45	15 43	2 4	17 42	0 32	25 17	1 48	23 6	0 21	0 17	2 44	11 28	0 48	9 7	1 50	3 52	14 6	21 14	21 13	19 50	3 53	2 40
S 9	7 39	20 23	2 48	16 21	2 13	18 5	0 35	25 17	1 48	23 6	0 21	0 15	2 44	11 29	0 48	9 6	1 50	3 52	14 6	21 14	21 14	19 52	3 55	2 40
M10	8 2	21 43	1 40	16 55	2 21	18 28	0 38	25 16	1 47	23 6	0 21	0 14	2 44	11 29	0 48	9 5	1 50	3 53	14 6	21 15	21 14	19 53	3 56	2 40
T 11	8 24	21 38	0 28	17 27	2 28	18 50	0 41	25 15	1 47	23 6	0 21	0 12	2 43	11 30	0 48	9 5	1 50	3 53	14 5	21 15	21 15	19 54	3 58	2 39
W12	8 46	20 13	0n45	17 56	2 34	19 11	0 44	25 14	1 47	23 6	0 21	0 10	2 43	11 30	0 48	9 4	1 50	3 54	14 5	21 15	21 16	19 55	3 59	2 39
T 13	9 7	17 39	1 55	18 23	2 40	19 33	0 46	25 13	1 46	23 6	0 21	0 9	2 43	11 31	0 48	9 4	1 50	3 54	14 5	21 15	21 16	19 57	4 0	2 39
F 14	9 29	14 10	2 56	18 46	2 45	19 53	0 49	25 12	1 46	23 6	0 21	0 7	2 43	11 31	0 48	9 3	1 50	3 55	14 5	21 16	21 17	19 58	4 2	2 39
S 15	9 50	10 1	3 47	19 7	2 48	20 13	0 52	25 11	1 45	23 6	0 21	0 5	2 43	11 32	0 48	9 2	1 50	3 55	14 5	21 17	21 17	19 59	4 3	2 39
S 16	10 12	5 28	4 26	19 25	2 51	20 33	0 55	25 9	1 45	23 6	0 21	0 4	2 43	11 32	0 47	9 2	1 50	3 56	14 5	21 18	21 18	20 1	4 4	2 39
M17	10 33	0 45	4 50	19 40	2 53	20 52	0 58	25 7	1 45	23 6	0 21	0 2	2 43	11 32	0 47	9 1	1 50	3 56	14 5	21 20	21 18	20 2	4 6	2 39
T 18	10 54	3s56	5 0	19 52	2 53	21 10	1 1	25 6	1 44	23 6	0 20	0 1	2 43	11 33	0 47	9 1	1 50	3 56	14 4	21 22	21 19	20 3	4 7	2 39
W19	11 15	8 24	4 55	20 2	2 52	21 28	1 4	25 4	1 44	23 7	0 20	0n 1	2 43	11 33	0 47	9 0	1 50	3 57	14 4	21 25	21 19	20 4	4 9	2 39
T 20	11 35	12 27	4 36	20 8	2 50	21 45	1 6	25 1	1 43	23 7	0 20	0 2	2 43	11 33	0 47	9 0	1 50	3 57	14 4	21 27	21 20	20 6	4 10	2 39
F 21	11 56	15 57	4 5	20 12	2 47	22 2	1 9	24 59	1 43	23 7	0 20	0 4	2 43	11 34	0 47	8 59	1 50	3 58	14 4	21 29	21 21	20 7	4 11	2 39
S 22	12 16	18 45	3 23	20 13	2 43	22 18	1 12	24 57	1 42	23 7	0 20	0 5	2 43	11 34	0 47	8 58	1 50	3 58	14 4	21 30	21 21	20 8	4 13	2 39
S 23	12 36	20 44	2 33	20 11	2 37	22 34	1 14	24 54	1 42	23 7	0 20	0 7	2 42	11 34	0 47	8 58	1 50	3 59	14 4	21 31	21 22	20 9	4 14	2 39
M24	12 56	21 48	1 37	20 6	2 30	22 49	1 17	24 51	1 42	23 7	0 20	0 8	2 42	11 35	0 47	8 57	1 50	3 59	14 4	21 32	21 22	20 11	4 15	2 39
T 25	13 15	21 55	0 35	19 58	2 22	23 3	1 20	24 49	1 41	23 7	0 20	0 10	2 42	11 35	0 47	8 57	1 50	4 0	14 4	21 32	21 23	20 12	4 17	2 39
W26	13 35	21 1	0s28	19 48	2 13	23 17	1 22	24 46	1 41	23 7	0 20	0 11	2 42	11 35	0 47	8 56	1 50	4 0	14 3	21 32	21 23	20 13	4 18	2 39
T 27	13 54	19 9	1 31	19 36	2 2	23 30	1 25	24 42	1 40	23 7	0 20	0 12	2 42	11 35	0 47	8 56	1 50	4 0	14 3	21 32	21 24	20 14	4 19	2 39
F 28	14 13	16 21	2 31	19 21	1 51	23 42	1 27	24 39	1 40	23 7	0 20	0 14	2 42	11 35	0 47	8 55	1 50	4 1	14 3	21 32	21 24	20 16	4 20	2 39
S 29	14 31	12 42	3 26	19 3	1 38	23 54	1 30	24 36	1 40	23 7	0 20	0 15	2 42	11 36	0 47	8 54	1 50	4 1	14 3	21 33	21 25	20 17	4 22	2 39
S 30	14n50	8s19	4s11	18n44	1n24	24n 5	1n32	24n32	1n39	23s 8	0n20	0n16	2n42	11n36	0n47	8s54	1n50	4n 2	14s 3	21n34	21n26	20s18	4n23	2n39

Julian Day Number = 2315765.5, Delta T = 59.38 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'06, Lahiri = 18°40'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

MAY 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 37 18	10♉55'49	2♈25	18°R 8	15♊28	13♋ 9	2°R57	5°R29	1°R46	27°R30	19♉17	22°R39	23♋31	20♐20	4♈56	M 1
T 2	14 41 15	11°53'52	16°34	17♉39	16°39	13°44	2♋55	5♎25	1♍46	27♎28	19°18	22♋29	23°28	20°27	4°59	T 2
W 3	14 45 11	12°51'54	1♉ 7	17° 7	17°50	14°18	2°53	5°22	1°45	27°27	19°20	22°19	23°25	20°34	5° 2	W 3
T 4	14 49 8	13°49'54	15°58	16°33	19° 1	14°52	2°50	5°19	1°45	27°25	19°21	22° 9	23°21	20°40	5° 5	T 4
F 5	14 53 4	14°47'52	0♊58	15°58	20°12	15°27	2°47	5°16	1°45	27°24	19°22	22° 0	23°18	20°47	5° 8	F 5
S 6	14 57 1	15°45'49	15°58	15°22	21°22	16° 1	2°44	5°13	1°45	27°22	19°24	21°53	23°15	20°54	5°11	S 6
S 7	15 0 57	16°43'44	0♋49	14°46	22°33	16°36	2°41	5°10	1°44	27°20	19°25	21°49	23°12	21° 0	5°14	S 7
M 8	15 4 54	17°41'38	15°24	14°10	23°44	17°10	2°38	5° 7	1°44	27°19	19°26	21°D48	23° 9	21° 7	5°17	M 8
T 9	15 8 50	18°39'29	29°40	13°36	24°54	17°45	2°34	5° 5	1°D44	27°17	19°28	21°48	23° 6	21°14	5°20	T 9
W10	15 12 47	19°37'19	13♌36	13° 3	26° 5	18°20	2°31	5° 2	1°44	27°16	19°29	21°R48	23° 2	21°20	5°23	W10
T 11	15 16 44	20°35'07	27°11	12°32	27°15	18°54	2°27	4°59	1°44	27°14	19°30	21°48	22°59	21°27	5°26	T 11
F 12	15 20 40	21°32'53	10♍28	12° 4	28°25	19°29	2°23	4°57	1°45	27°13	19°32	21°47	22°56	21°34	5°29	F 12
S 13	15 24 37	22°30'38	23°28	11°40	29°36	20° 4	2°19	4°54	1°45	27°12	19°33	21°43	22°53	21°40	5°31	S 13
S 14	15 28 33	23°28'21	6♎14	11°18	0♋46	20°39	2°14	4°52	1°45	27°10	19°35	21°37	22°50	21°47	5°34	S 14
M15	15 32 30	24°26'02	18°48	11° 1	1°56	21°14	2°10	4°50	1°45	27° 9	19°36	21°28	22°46	21°54	5°37	M15
T 16	15 36 26	25°23'42	1♏11	10°47	3° 6	21°49	2° 5	4°48	1°46	27° 7	19°37	21°18	22°43	22° 0	5°39	T 16
W17	15 40 23	26°21'20	13°24	10°38	4°16	22°24	2° 1	4°46	1°46	27° 6	19°39	21° 8	22°40	22° 7	5°42	W17
T 18	15 44 19	27°18'57	25°29	10°33	5°25	22°59	1°56	4°44	1°47	27° 5	19°40	20°58	22°37	22°14	5°45	T 18
F 19	15 48 16	28°16'33	7♐27	10°D32	6°35	23°34	1°51	4°42	1°47	27° 3	19°41	20°50	22°34	22°20	5°47	F 19
S 20	15 52 13	29°14'08	19°19	10°36	7°44	24° 9	1°45	4°40	1°48	27° 2	19°43	20°44	22°31	22°27	5°50	S 20
S 21	15 56 9	0♊11'42	1♑ 7	10°45	8°54	24°44	1°40	4°39	1°48	27° 1	19°44	20°39	22°27	22°34	5°52	S 21
M22	16 0 6	1° 9'14	12°55	10°58	10° 3	25°19	1°34	4°37	1°49	26°59	19°45	20°37	22°24	22°40	5°55	M22
T 23	16 4 2	2° 6'46	24°45	11°16	11°12	25°54	1°29	4°36	1°50	26°58	19°47	20°D37	22°21	22°47	5°57	T 23
W24	16 7 59	3° 4'17	6♒42	11°37	12°21	26°30	1°23	4°34	1°50	26°57	19°48	20°38	22°18	22°54	5°59	W24
T 25	16 11 55	4° 1'47	18°50	12° 4	13°30	27° 5	1°17	4°33	1°51	26°55	19°49	20°39	22°15	23° 0	6° 2	T 25
F 26	16 15 52	4°59'16	1♓14	12°34	14°39	27°40	1°11	4°32	1°52	26°54	19°51	20°R40	22°12	23° 7	6° 4	F 26
S 27	16 19 48	5°56'44	13°59	13° 9	15°48	28°15	1° 5	4°31	1°53	26°53	19°52	20°40	22° 8	23°14	6° 6	S 27
S 28	16 23 45	6°54'12	27° 9	13°47	16°57	28°51	0°59	4°30	1°54	26°52	19°53	20°38	22° 5	23°20	6° 8	S 28
M29	16 27 42	7°51'39	10♈46	14°30	18° 5	29°26	0°52	4°29	1°55	26°51	19°55	20°34	22° 2	23°27	6°10	M29
T 30	16 31 38	8°49'05	24°52	15°16	19°13	0♌ 2	0°46	4°28	1°56	26°50	19°56	20°29	21°59	23°34	6°12	T 30
W31	16 35 35	9♊46'30	9♉25	16♉ 6	20♋22	0♌37	0♑39	4♎27	1♍57	26♎49	19♉57	20♋23	21♋56	23♐40	6♈14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 8	3s23	4s44	18n22	1n 9	24n16	1n35	24n28	1n39	23s 8	0n20	0n17	2n41	11n36	0n47	8s53	1n50	4n 2	14s 3	21n35	21n26	20s19	4n24	2n39
T 2	15 26	1n53	5 1	17 59	0 54	24 25	1 37	24 24	1 38	23 8	0 20	0 18	2 41	11 36	0 47	8 53	1 50	4 2	14 3	21 36	21 27	20 20	4 25	2 39
W 3	15 44	7 13	4 59	17 35	0 37	24 35	1 39	24 20	1 38	23 8	0 19	0 20	2 41	11 36	0 47	8 52	1 50	4 3	14 3	21 38	21 27	20 22	4 27	2 39
T 4	16 1	12 14	4 37	17 9	0 21	24 43	1 41	24 16	1 37	23 8	0 19	0 21	2 41	11 36	0 47	8 52	1 50	4 3	14 3	21 40	21 28	20 23	4 28	2 39
F 5	16 19	16 33	3 56	16 42	0 3	24 51	1 44	24 12	1 37	23 8	0 19	0 22	2 41	11 36	0 47	8 51	1 50	4 4	14 3	21 41	21 28	20 24	4 29	2 39
S 6	16 35	19 47	2 59	16 15	0s14	24 58	1 46	24 7	1 37	23 8	0 19	0 23	2 41	11 36	0 47	8 51	1 50	4 4	14 3	21 42	21 29	20 25	4 30	2 40
S 7	16 52	21 40	1 49	15 48	0 32	25 4	1 48	24 3	1 36	23 8	0 19	0 24	2 40	11 36	0 47	8 50	1 50	4 4	14 3	21 43	21 29	20 26	4 32	2 40
M 8	17 9	22 2	0 34	15 21	0 49	25 10	1 50	23 58	1 36	23 9	0 19	0 25	2 40	11 36	0 47	8 49	1 50	4 5	14 3	21 43	21 30	20 28	4 33	2 40
T 9	17 25	20 57	0n42	14 54	1 6	25 15	1 52	23 53	1 35	23 9	0 19	0 26	2 40	11 36	0 47	8 49	1 50	4 5	14 3	21 43	21 30	20 29	4 34	2 40
W10	17 40	18 35	1 54	14 28	1 23	25 19	1 54	23 48	1 35	23 9	0 19	0 26	2 40	11 36	0 47	8 48	1 50	4 6	14 3	21 43	21 31	20 30	4 35	2 40
T 11	17 56	15 15	2 57	14 4	1 39	25 23	1 55	23 42	1 34	23 9	0 19	0 27	2 40	11 36	0 47	8 48	1 50	4 6	14 3	21 43	21 31	20 31	4 36	2 40
F 12	18 11	11 12	3 50	13 41	1 54	25 26	1 57	23 37	1 34	23 9	0 19	0 28	2 39	11 36	0 46	8 47	1 50	4 6	14 3	21 43	21 32	20 32	4 37	2 40
S 13	18 26	6 43	4 29	13 19	2 9	25 28	1 59	23 32	1 34	23 9	0 19	0 29	2 39	11 36	0 46	8 47	1 50	4 7	14 3	21 44	21 33	20 34	4 38	2 40
S 14	18 41	2 1	4 54	13 0	2 22	25 30	2 0	23 26	1 33	23 10	0 19	0 30	2 39	11 36	0 46	8 46	1 50	4 7	14 3	21 45	21 33	20 35	4 40	2 40
M15	18 55	2s41	5 5	12 42	2 35	25 30	2 2	23 20	1 33	23 10	0 18	0 30	2 39	11 36	0 46	8 46	1 50	4 7	14 3	21 46	21 34	20 36	4 41	2 40
T 16	19 9	7 12	5 0	12 27	2 47	25 30	2 3	23 14	1 32	23 10	0 18	0 31	2 39	11 35	0 46	8 45	1 50	4 8	14 3	21 48	21 34	20 37	4 42	2 40
W17	19 23	11 24	4 43	12 14	2 58	25 30	2 5	23 8	1 32	23 10	0 18	0 32	2 38	11 35	0 46	8 45	1 50	4 8	14 3	21 49	21 35	20 38	4 43	2 40
T 18	19 36	15 5	4 12	12 3	3 7	25 28	2 6	23 2	1 31	23 10	0 18	0 32	2 38	11 35	0 46	8 45	1 50	4 8	14 3	21 51	21 35	20 39	4 44	2 40
F 19	19 49	18 8	3 31	11 55	3 16	25 26	2 7	22 55	1 31	23 10	0 18	0 33	2 38	11 35	0 46	8 44	1 50	4 9	14 3	21 52	21 36	20 40	4 45	2 40
S 20	20 2	20 23	2 40	11 49	3 23	25 24	2 8	22 49	1 31	23 11	0 18	0 33	2 38	11 35	0 46	8 44	1 50	4 9	14 3	21 53	21 36	20 42	4 46	2 40
S 21	20 14	21 46	1 43	11 46	3 30	25 20	2 9	22 42	1 30	23 11	0 18	0 34	2 38	11 34	0 46	8 43	1 50	4 9	14 3	21 54	21 37	20 43	4 47	2 40
M22	20 26	22 10	0 41	11 45	3 35	25 16	2 10	22 35	1 30	23 11	0 18	0 34	2 37	11 34	0 46	8 43	1 50	4 10	14 3	21 54	21 37	20 44	4 48	2 40
T 23	20 38	21 35	0s22	11 46	3 39	25 12	2 11	22 28	1 29	23 11	0 18	0 34	2 37	11 34	0 46	8 42	1 50	4 10	14 3	21 54	21 38	20 45	4 49	2 40
W24	20 49	20 1	1 26	11 49	3 42	25 6	2 12	22 21	1 29	23 11	0 18	0 35	2 37	11 33	0 46	8 42	1 50	4 10	14 3	21 54	21 38	20 46	4 50	2 40
T 25	21 0	17 32	2 27	11 55	3 44	25 0	2 13	22 14	1 28	23 11	0 17	0 35	2 37	11 33	0 46	8 42	1 50	4 11	14 3	21 54	21 39	20 47	4 51	2 40
F 26	21 10	14 12	3 22	12 3	3 46	24 53	2 13	22 6	1 28	23 12	0 17	0 35	2 36	11 33	0 46	8 41	1 50	4 11	14 3	21 54	21 39	20 48	4 52	2 40
S 27	21 20	10 8	4 9	12 13	3 46	24 46	2 14	21 59	1 28	23 12	0 17	0 36	2 36	11 32	0 46	8 41	1 50	4 11	14 3	21 54	21 40	20 49	4 53	2 40
S 28	21 30	5 29	4 45	12 25	3 45	24 38	2 14	21 51	1 27	23 12	0 17	0 36	2 36	11 32	0 46	8 40	1 50	4 11	14 3	21 54	21 40	20 51	4 54	2 40
M29	21 40	0 25	5 5	12 39	3 44	24 29	2 14	21 43	1 27	23 12	0 17	0 36	2 36	11 32	0 46	8 40	1 50	4 12	14 3	21 54	21 41	20 52	4 55	2 41
T 30	21 49	4n51	5 9	12 55	3 42	24 20	2 15	21 35	1 26	23 12	0 17	0 36	2 36	11 31	0 46	8 40	1 49	4 12	14 3	21 55	21 41	20 53	4 56	2 41
W31	21n58	10n 1	4s53	13n12	3s39	24n10	2n15	21n27	1n26	23s12	0n17	0n36	2n35	11n31	0n46	8s39	1n49	4n12	14s 3	21n56	21n42	20s54	4n56	2n41

Julian Day Number = 2315795.5, Delta T = 59.31 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'10, Lahiri = 18°40'11Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1628
geocentric

JUNE 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 39 31	10♊43'55	24♉20	17♉ 0	21♋30	1♌13	0°R32	4°R27	1♍59	26°R47	19♉58	20°R18	21♋52	23♐47	6♈16	T 1
F 2	16 43 28	11°41'19	9♊28	17°58	22°38	1°48	0♏25	4♎26	2° 0	26♎46	20° 0	20♋12	21°49	23°54	6°18	F 2
S 3	16 47 24	12°38'43	24°40	18°58	23°46	2°24	0°19	4°26	2° 1	26°45	20° 1	20° 9	21°46	24° 0	6°20	S 3
S 4	16 51 21	13°36'05	9♋47	20° 3	24°54	3° 0	0°12	4°26	2° 2	26°44	20° 2	20° 7	21°43	24° 7	6°22	S 4
M 5	16 55 17	14°33'27	24°38	21°10	26° 1	3°36	0° 5	4°25	2° 4	26°43	20° 3	20°D 7	21°40	24°14	6°24	M 5
T 6	16 59 14	15°30'47	9♌ 9	22°21	27° 9	4°11	29♐57	4°D25	2° 5	26°42	20° 5	20° 7	21°37	24°20	6°26	T 6
W 7	17 3 11	16°28'07	23°16	23°35	28°16	4°47	29°50	4°25	2° 7	26°41	20° 6	20° 9	21°33	24°27	6°27	W 7
T 8	17 7 7	17°25'25	6♍58	24°53	29°23	5°23	29°43	4°26	2° 8	26°41	20° 7	20°10	21°30	24°34	6°29	T 8
F 9	17 11 4	18°22'43	20°16	26°13	0♌30	5°59	29°36	4°26	2°10	26°40	20° 8	20°R10	21°27	24°40	6°31	F 9
S 10	17 15 0	19°20'00	3♎13	27°37	1°37	6°35	29°28	4°26	2°12	26°39	20°10	20°10	21°24	24°47	6°32	S 10
S 11	17 18 57	20°17'15	15°52	29° 4	2°44	7°11	29°21	4°26	2°13	26°38	20°11	20° 7	21°21	24°54	6°34	S 11
M12	17 22 53	21°14'31	28°16	0♊33	3°50	7°47	29°13	4°27	2°15	26°37	20°12	20° 4	21°17	25° 0	6°35	M12
T 13	17 26 50	22°11'45	10♏28	2° 6	4°57	8°23	29° 6	4°28	2°17	26°36	20°13	20° 0	21°14	25° 7	6°37	T 13
W14	17 30 46	23° 8'59	22°31	3°42	6° 3	8°59	28°58	4°28	2°19	26°36	20°14	19°55	21°11	25°14	6°38	W14
T 15	17 34 43	24° 6'12	4♐27	5°21	7° 9	9°35	28°50	4°29	2°20	26°35	20°16	19°51	21° 8	25°20	6°39	T 15
F 16	17 38 40	25° 3'24	16°18	7° 3	8°15	10°11	28°43	4°30	2°22	26°34	20°17	19°47	21° 5	25°27	6°41	F 16
S 17	17 42 36	26° 0'37	28° 7	8°48	9°20	10°47	28°35	4°31	2°24	26°34	20°18	19°45	21° 2	25°34	6°42	S 17
S 18	17 46 33	26°57'49	9♑56	10°35	10°26	11°23	28°27	4°32	2°26	26°33	20°19	19°43	20°58	25°40	6°43	S 18
M19	17 50 29	27°55'00	21°46	12°26	11°31	11°59	28°20	4°34	2°28	26°32	20°20	19°D43	20°55	25°47	6°44	M19
T 20	17 54 26	28°52'12	3♒41	14°19	12°36	12°35	28°12	4°35	2°31	26°32	20°21	19°43	20°52	25°54	6°45	T 20
W21	17 58 22	29°49'23	15°43	16°14	13°41	13°12	28° 4	4°36	2°33	26°31	20°22	19°45	20°49	26° 0	6°46	W21
T 22	18 2 19	0♋46'34	27°57	18°12	14°45	13°48	27°57	4°38	2°35	26°31	20°23	19°46	20°46	26° 7	6°47	T 22
F 23	18 6 15	1°43'45	10♓24	20°13	15°50	14°24	27°49	4°39	2°37	26°30	20°24	19°47	20°43	26°14	6°48	F 23
S 24	18 10 12	2°40'57	23° 9	22°15	16°54	15° 1	27°41	4°41	2°39	26°30	20°25	19°48	20°39	26°20	6°49	S 24
S 25	18 14 9	3°38'08	6♈16	24°20	17°58	15°37	27°34	4°43	2°42	26°30	20°26	19°R49	20°36	26°27	6°50	S 25
M26	18 18 5	4°35'20	19°48	26°26	19° 2	16°13	27°26	4°45	2°44	26°29	20°28	19°48	20°33	26°34	6°51	M26
T 27	18 22 2	5°32'31	3♉45	28°33	20° 5	16°50	27°19	4°47	2°46	26°29	20°29	19°47	20°30	26°40	6°51	T 27
W28	18 25 58	6°29'44	18° 7	0♋42	21° 8	17°26	27°11	4°49	2°49	26°28	20°30	19°45	20°27	26°47	6°52	W28
T 29	18 29 55	7°26'56	2♊52	2°51	22°11	18° 3	27° 4	4°51	2°51	26°28	20°31	19°44	20°23	26°54	6°53	T 29
F 30	18 33 51	8♋24'09	17♊53	5♋ 1	23♌14	18♌40	26♐56	4♎53	2♍54	26♎28	20♉31	19♋43	20♋20	27♐ 0	6♈53	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 6	14n44	4s17	13n31	3s35	23n59	2n15	21n19	1n25	23s12	0n17	0n36	2n35	11n30	0n46	8s39	1n49	4n12	14s 3	21n57	21n42	20s55	4n57	2n41
F 2	22 14	18 34	3 23	13 51	3 30	23 48	2 15	21 11	1 25	23 13	0 17	0 36	2 35	11 30	0 46	8 39	1 49	4 13	14 3	21 58	21 43	20 56	4 58	2 41
S 3	22 21	21 9	2 14	14 13	3 25	23 36	2 14	21 2	1 25	23 13	0 16	0 36	2 35	11 29	0 46	8 38	1 49	4 13	14 3	21 58	21 43	20 57	4 59	2 41
S 4	22 29	22 12	0 56	14 35	3 19	23 23	2 14	20 53	1 24	23 13	0 16	0 36	2 34	11 29	0 46	8 38	1 49	4 13	14 3	21 59	21 44	20 58	5 0	2 41
M 5	22 35	21 39	0n25	14 59	3 13	23 10	2 14	20 45	1 24	23 13	0 16	0 36	2 34	11 28	0 46	8 38	1 49	4 13	14 3	21 59	21 44	20 59	5 1	2 41
T 6	22 42	19 39	1 42	15 24	3 5	22 57	2 13	20 36	1 23	23 13	0 16	0 36	2 34	11 28	0 45	8 37	1 49	4 14	14 4	21 59	21 45	21 0	5 1	2 41
W 7	22 48	16 29	2 51	15 50	2 58	22 43	2 13	20 27	1 23	23 13	0 16	0 35	2 34	11 27	0 45	8 37	1 49	4 14	14 4	21 58	21 45	21 1	5 2	2 41
T 8	22 53	12 30	3 49	16 17	2 49	22 28	2 12	20 17	1 22	23 13	0 16	0 35	2 33	11 26	0 45	8 37	1 49	4 14	14 4	21 58	21 46	21 2	5 3	2 41
F 9	22 59	8 1	4 32	16 44	2 41	22 13	2 11	20 8	1 22	23 13	0 16	0 35	2 33	11 26	0 45	8 36	1 49	4 14	14 4	21 58	21 46	21 3	5 3	2 41
S 10	23 3	3 18	5 0	17 12	2 32	21 57	2 10	19 59	1 21	23 14	0 16	0 34	2 33	11 25	0 45	8 36	1 49	4 14	14 4	21 58	21 47	21 5	5 4	2 41
S 11	23 8	1s27	5 12	17 41	2 22	21 41	2 9	19 49	1 21	23 14	0 15	0 34	2 33	11 25	0 45	8 36	1 49	4 15	14 4	21 59	21 47	21 6	5 5	2 41
M12	23 12	6 3	5 10	18 9	2 12	21 24	2 8	19 40	1 21	23 14	0 15	0 34	2 32	11 24	0 45	8 36	1 49	4 15	14 4	21 59	21 48	21 7	5 5	2 41
T 13	23 15	10 20	4 53	18 38	2 1	21 7	2 6	19 30	1 20	23 14	0 15	0 33	2 32	11 23	0 45	8 35	1 49	4 15	14 4	22 0	21 48	21 8	5 6	2 42
W14	23 19	14 10	4 24	19 7	1 51	20 49	2 5	19 20	1 20	23 14	0 15	0 33	2 32	11 22	0 45	8 35	1 49	4 15	14 4	22 0	21 49	21 9	5 7	2 42
T 15	23 21	17 24	3 44	19 36	1 40	20 30	2 3	19 10	1 19	23 14	0 15	0 32	2 32	11 22	0 45	8 35	1 49	4 15	14 5	22 1	21 49	21 10	5 7	2 42
F 16	23 24	19 54	2 54	20 5	1 28	20 12	2 1	19 0	1 19	23 14	0 15	0 31	2 31	11 21	0 45	8 35	1 49	4 15	14 5	22 1	21 50	21 11	5 8	2 42
S 17	23 26	21 32	1 56	20 33	1 17	19 52	2 0	18 49	1 18	23 14	0 15	0 31	2 31	11 20	0 45	8 35	1 49	4 16	14 5	22 2	21 50	21 12	5 8	2 42
S 18	23 27	22 13	0 54	21 0	1 5	19 33	1 58	18 39	1 18	23 14	0 15	0 30	2 31	11 20	0 45	8 34	1 49	4 16	14 5	22 2	21 51	21 13	5 9	2 42
M19	23 28	21 55	0s11	21 27	0 54	19 13	1 56	18 28	1 17	23 14	0 14	0 29	2 31	11 19	0 45	8 34	1 49	4 16	14 5	22 2	21 51	21 14	5 10	2 42
T 20	23 29	20 36	1 16	21 52	0 42	18 52	1 53	18 18	1 17	23 14	0 14	0 29	2 30	11 18	0 45	8 34	1 49	4 16	14 5	22 2	21 52	21 15	5 10	2 42
W21	23 29	18 22	2 19	22 16	0 30	18 31	1 51	18 7	1 17	23 14	0 14	0 28	2 30	11 17	0 45	8 34	1 48	4 16	14 5	22 2	21 52	21 16	5 11	2 42
T 22	23 29	15 16	3 16	22 39	0 19	18 10	1 49	17 56	1 16	23 14	0 14	0 27	2 30	11 16	0 45	8 34	1 48	4 16	14 6	22 2	21 53	21 17	5 11	2 42
F 23	23 29	11 27	4 5	23 0	0 7	17 49	1 46	17 45	1 16	23 14	0 14	0 26	2 30	11 16	0 45	8 34	1 48	4 16	14 6	22 1	21 53	21 18	5 11	2 42
S 24	23 28	7 3	4 43	23 20	0n 4	17 27	1 43	17 34	1 15	23 14	0 14	0 25	2 30	11 15	0 45	8 34	1 48	4 16	14 6	22 1	21 54	21 19	5 12	2 42
S 25	23 26	2 13	5 8	23 37	0 15	17 4	1 41	17 23	1 15	23 14	0 14	0 24	2 29	11 14	0 45	8 33	1 48	4 17	14 6	22 1	21 54	21 20	5 12	2 43
M26	23 24	2n52	5 17	23 52	0 26	16 42	1 38	17 11	1 14	23 14	0 13	0 23	2 29	11 13	0 45	8 33	1 48	4 17	14 6	22 1	21 55	21 21	5 13	2 43
T 27	23 22	7 58	5 7	24 5	0 36	16 19	1 34	17 0	1 14	23 14	0 13	0 22	2 29	11 12	0 45	8 33	1 48	4 17	14 6	22 2	21 55	21 22	5 13	2 43
W28	23 20	12 48	4 39	24 15	0 46	15 55	1 31	16 48	1 13	23 14	0 13	0 21	2 29	11 11	0 45	8 33	1 48	4 17	14 7	22 2	21 56	21 23	5 13	2 43
T 29	23 17	16 59	3 51	24 22	0 55	15 32	1 28	16 36	1 13	23 14	0 13	0 20	2 28	11 10	0 45	8 33	1 48	4 17	14 7	22 2	21 56	21 24	5 14	2 43
F 30	23n13	20n 9	2s48	24n27	1n 3	15n 8	1n24	16n25	1n13	23s14	0n13	0n19	2n28	11n 9	0n45	8s33	1n48	4n17	14s 7	22n 2	21n57	21s25	5n14	2n43

Julian Day Number = 2315826.5, Delta T = 59.24 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'14, Lahiri = 18°40'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

JULY 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 37 48	9♋21'22	3♋ 2	7♋11	24♌17	19♌16	26°R49	4♎56	2♍56	26°R28	20♉32	19°R42	20♋17	27♐ 7	6♈54	S 1
S 2	18 41 44	10°18'35	18°10	9°21	25°19	19°53	26♐42	4°58	2°59	26♎27	20°33	19°D42	20°14	27°14	6°54	S 2
M 3	18 45 41	11°15'48	3♌ 9	11°31	26°21	20°30	26°34	5° 1	3° 2	26°27	20°34	19♋42	20°11	27°20	6°55	M 3
T 4	18 49 38	12°13'01	17°49	13°40	27°22	21° 6	26°27	5° 3	3° 4	26°27	20°35	19°42	20° 8	27°27	6°55	T 4
W 5	18 53 34	13°10'14	2♍ 6	15°49	28°24	21°43	26°20	5° 6	3° 7	26°27	20°36	19°43	20° 4	27°33	6°55	W 5
T 6	18 57 31	14° 7'27	15°58	17°56	29°25	22°20	26°13	5° 9	3°10	26°27	20°37	19°43	20° 1	27°40	6°56	T 6
F 7	19 1 27	15° 4'40	29°23	20° 2	0♍26	22°57	26° 6	5°12	3°12	26°27	20°38	19°44	19°58	27°47	6°56	F 7
S 8	19 5 24	16° 1'53	12♎23	22° 7	1°26	23°33	25°59	5°15	3°15	26°D27	20°39	19°R44	19°55	27°53	6°56	S 8
S 9	19 9 20	16°59'06	25° 2	24°11	2°26	24°10	25°53	5°18	3°18	26°27	20°40	19°44	19°52	28° 0	6°56	S 9
M10	19 13 17	17°56'19	7♏22	26°13	3°26	24°47	25°46	5°21	3°21	26°27	20°40	19°44	19°49	28° 7	6°R56	M10
T 11	19 17 13	18°53'32	19°29	28°14	4°25	25°24	25°39	5°25	3°24	26°27	20°41	19°44	19°45	28°13	6°56	T 11
W12	19 21 10	19°50'45	1♐26	0♌12	5°24	26° 1	25°33	5°28	3°27	26°27	20°42	19°D44	19°42	28°20	6°56	W12
T 13	19 25 7	20°47'59	13°18	2°10	6°22	26°38	25°27	5°31	3°30	26°27	20°43	19°44	19°39	28°27	6°56	T 13
F 14	19 29 3	21°45'13	25° 6	4° 5	7°21	27°15	25°20	5°35	3°33	26°28	20°43	19°44	19°36	28°33	6°55	F 14
S 15	19 33 0	22°42'28	6♑55	5°59	8°18	27°52	25°14	5°39	3°36	26°28	20°44	19°44	19°33	28°40	6°55	S 15
S 16	19 36 56	23°39'42	18°47	7°51	9°16	28°29	25° 8	5°42	3°39	26°28	20°45	19°R44	19°29	28°47	6°55	S 16
M17	19 40 53	24°36'58	0♒44	9°41	10°12	29° 7	25° 3	5°46	3°42	26°28	20°46	19°44	19°26	28°53	6°55	M17
T 18	19 44 49	25°34'14	12°48	11°29	11° 9	29°44	24°57	5°50	3°45	26°29	20°46	19°44	19°23	29° 0	6°54	T 18
W19	19 48 46	26°31'31	25° 2	13°16	12° 5	0♍21	24°51	5°54	3°48	26°29	20°47	19°43	19°20	29° 7	6°54	W19
T 20	19 52 43	27°28'48	7♓27	15° 0	13° 0	0°58	24°46	5°58	3°52	26°29	20°48	19°42	19°17	29°13	6°53	T 20
F 21	19 56 39	28°26'07	20° 5	16°44	13°55	1°35	24°41	6° 2	3°55	26°30	20°48	19°41	19°14	29°20	6°53	F 21
S 22	20 0 36	29°23'26	2♈58	18°25	14°50	2°13	24°35	6° 6	3°58	26°30	20°49	19°40	19°10	29°27	6°52	S 22
S 23	20 4 32	0♌20'46	16° 8	20° 5	15°43	2°50	24°30	6°11	4° 1	26°31	20°49	19°39	19° 7	29°33	6°51	S 23
M24	20 8 29	1°18'08	29°38	21°42	16°37	3°28	24°26	6°15	4° 5	26°31	20°50	19°D39	19° 4	29°40	6°50	M24
T 25	20 12 25	2°15'30	13♉27	23°19	17°30	4° 5	24°21	6°19	4° 8	26°32	20°51	19°39	19° 1	29°47	6°50	T 25
W26	20 16 22	3°12'54	27°36	24°53	18°22	4°42	24°16	6°24	4°11	26°32	20°51	19°40	18°58	29°53	6°49	W26
T 27	20 20 18	4°10'19	12♊ 3	26°26	19°13	5°20	24°12	6°28	4°15	26°33	20°52	19°41	18°55	29°59	6°48	T 27
F 28	20 24 15	5° 7'45	26°46	27°57	20° 4	5°57	24° 8	6°33	4°18	26°34	20°52	19°42	18°51	0♑ 7	6°47	F 28
S 29	20 28 12	6° 5'12	11♋39	29°26	20°55	6°35	24° 4	6°38	4°21	26°34	20°53	19°43	18°48	0°13	6°46	S 29
S 30	20 32 8	7° 2'41	26°35	0♍53	21°44	7°13	24° 0	6°42	4°25	26°35	20°53	19°R43	18°45	0°20	6°45	S 30
M31	20 36 5	8♌ 0'10	11♌25	2♍19	22♍33	7♍50	23♐56	6♎47	4♍28	26♎36	20♉53	19♋42	18♋42	0♑27	6♈44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n 9	21n56	1s31	24n28	1n11	14n43	1n21	16n13	1n12	23s14	0n13	0n18	2n28	11n 8	0n45	8s33	1n48	4n17	14s 7	22n 2	21n57	21s26	5n14	2n43
S 2	23 5	22 7	0 8	24 27	1 18	14 19	1 17	16 1	1 12	23 14	0 13	0 17	2 28	11 7	0 45	8 33	1 48	4 17	14 7	22 2	21 58	21 27	5 14	2 43
M 3	23 0	20 42	1n14	24 24	1 25	13 54	1 13	15 49	1 11	23 14	0 12	0 16	2 27	11 6	0 45	8 33	1 48	4 17	14 7	22 2	21 58	21 27	5 15	2 43
T 4	22 55	17 54	2 30	24 17	1 30	13 29	1 9	15 36	1 11	23 14	0 12	0 14	2 27	11 5	0 45	8 33	1 48	4 17	14 8	22 2	21 58	21 28	5 15	2 43
W 5	22 50	14 5	3 34	24 8	1 35	13 4	1 5	15 24	1 10	23 14	0 12	0 13	2 27	11 4	0 44	8 33	1 48	4 17	14 8	22 2	21 59	21 29	5 15	2 43
T 6	22 44	9 36	4 24	23 56	1 40	12 39	1 0	15 12	1 10	23 14	0 12	0 12	2 27	11 3	0 44	8 33	1 48	4 17	14 8	22 2	21 59	21 30	5 15	2 43
F 7	22 38	4 48	4 58	23 41	1 43	12 13	0 56	14 59	1 9	23 14	0 12	0 10	2 26	11 2	0 44	8 33	1 48	4 17	14 8	22 2	22 0	21 31	5 15	2 43
S 8	22 31	0s 4	5 15	23 24	1 46	11 47	0 51	14 47	1 9	23 14	0 12	0 9	2 26	11 1	0 44	8 33	1 48	4 17	14 9	22 2	22 0	21 32	5 16	2 44
S 9	22 24	4 48	5 16	23 5	1 48	11 21	0 47	14 34	1 8	23 14	0 11	0 7	2 26	11 0	0 44	8 33	1 47	4 17	14 9	22 2	22 1	21 33	5 16	2 44
M10	22 17	9 13	5 3	22 44	1 49	10 55	0 42	14 21	1 8	23 14	0 11	0 6	2 26	10 59	0 44	8 33	1 47	4 17	14 9	22 2	22 1	21 34	5 16	2 44
T 11	22 9	13 12	4 36	22 21	1 50	10 29	0 37	14 8	1 8	23 14	0 11	0 4	2 26	10 58	0 44	8 33	1 47	4 17	14 9	22 2	22 2	21 35	5 16	2 44
W12	22 1	16 37	3 57	21 56	1 50	10 2	0 32	13 55	1 7	23 14	0 11	0 3	2 25	10 57	0 44	8 34	1 47	4 17	14 9	22 2	22 2	21 36	5 16	2 44
T 13	21 52	19 19	3 9	21 29	1 49	9 36	0 26	13 42	1 7	23 14	0 11	0 1	2 25	10 56	0 44	8 34	1 47	4 17	14 10	22 2	22 3	21 37	5 16	2 44
F 14	21 44	21 11	2 13	21 1	1 47	9 9	0 21	13 29	1 6	23 14	0 11	0s 0	2 25	10 55	0 44	8 34	1 47	4 17	14 10	22 2	22 3	21 38	5 16	2 44
S 15	21 34	22 8	1 11	20 31	1 45	8 42	0 15	13 16	1 6	23 14	0 11	0 2	2 25	10 54	0 44	8 34	1 47	4 17	14 10	22 2	22 4	21 39	5 16	2 44
S 16	21 25	22 5	0 5	20 0	1 43	8 16	0 9	13 2	1 5	23 13	0 10	0 4	2 24	10 52	0 44	8 34	1 47	4 17	14 10	22 2	22 4	21 39	5 16	2 44
M17	21 15	21 1	1s 1	19 28	1 40	7 49	0 4	12 49	1 5	23 13	0 10	0 5	2 24	10 51	0 44	8 34	1 47	4 17	14 11	22 2	22 4	21 40	5 16	2 44
T 18	21 4	19 0	2 5	18 55	1 36	7 22	0s 2	12 36	1 4	23 13	0 10	0 7	2 24	10 50	0 44	8 34	1 47	4 17	14 11	22 2	22 5	21 41	5 16	2 44
W19	20 53	16 5	3 4	18 20	1 32	6 55	0 9	12 22	1 4	23 13	0 10	0 9	2 24	10 49	0 44	8 35	1 47	4 17	14 11	22 2	22 5	21 42	5 15	2 44
T 20	20 42	12 25	3 55	17 45	1 27	6 28	0 15	12 8	1 3	23 13	0 10	0 11	2 24	10 48	0 44	8 35	1 47	4 17	14 11	22 2	22 6	21 43	5 15	2 45
F 21	20 31	8 10	4 36	17 10	1 22	6 1	0 21	11 55	1 3	23 13	0 10	0 12	2 23	10 47	0 44	8 35	1 47	4 17	14 11	22 2	22 6	21 44	5 15	2 45
S 22	20 19	3 28	5 4	16 33	1 17	5 33	0 28	11 41	1 2	23 13	0 9	0 14	2 23	10 45	0 44	8 35	1 47	4 17	14 12	22 3	22 7	21 45	5 15	2 45
S 23	20 7	1n30	5 16	15 56	1 11	5 6	0 35	11 27	1 2	23 13	0 9	0 16	2 23	10 44	0 44	8 35	1 47	4 16	14 12	22 3	22 7	21 46	5 15	2 45
M24	19 55	6 29	5 12	15 19	1 4	4 39	0 42	11 13	1 1	23 13	0 9	0 18	2 23	10 43	0 44	8 36	1 47	4 16	14 12	22 3	22 8	21 46	5 15	2 45
T 25	19 42	11 17	4 50	14 41	0 58	4 12	0 49	10 59	1 1	23 13	0 9	0 20	2 23	10 42	0 44	8 36	1 47	4 16	14 12	22 3	22 8	21 47	5 14	2 45
W26	19 29	15 36	4 10	14 3	0 50	3 45	0 56	10 45	1 1	23 13	0 9	0 22	2 22	10 41	0 44	8 36	1 46	4 16	14 13	22 3	22 9	21 48	5 14	2 45
T 27	19 15	19 5	3 14	13 24	0 43	3 18	1 3	10 30	1 0	23 13	0 9	0 24	2 22	10 39	0 44	8 36	1 46	4 16	14 13	22 2	22 9	21 49	5 14	2 45
F 28	19 1	21 23	2 4	12 46	0 35	2 52	1 11	10 16	1 0	23 13	0 9	0 26	2 22	10 38	0 44	8 37	1 46	4 16	14 13	22 2	22 9	21 50	5 13	2 45
S 29	18 47	22 14	0 44	12 7	0 27	2 25	1 18	10 2	0 59	23 13	0 8	0 28	2 22	10 37	0 44	8 37	1 46	4 16	14 13	22 2	22 10	21 51	5 13	2 45
S 30	18 33	21 30	0n38	11 28	0 19	1 58	1 26	9 47	0 59	23 13	0 8	0 30	2 22	10 36	0 44	8 37	1 46	4 16	14 14	22 2	22 10	21 51	5 13	2 45
M31	18n18	19n16	1n57	10n50	0n10	1n32	1s34	9n33	0n58	23s13	0n 8	0s32	2n22	10n34	0n44	8s38	1n46	4n16	14s14	22n 2	22n11	21s52	5n12	2n45

Julian Day Number = 2315856.5, Delta T = 59.17 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'19, Lahiri = 18°40'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

AUGUST 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 40 1	8♌57'41	26♌ 4	3♍43	23♍21	8♍28	23°R53	6♎52	4♍32	26♎36	20♉54	19°R40	18♋39	0♏33	6°R43	T 1
W 2	20 43 58	9°55'12	10♍23	5° 5	24° 9	9° 6	23♐49	6°57	4°35	26°37	20°54	19♋37	18°35	0°40	6♈42	W 2
T 3	20 47 54	10°52'44	24°19	6°25	24°55	9°44	23°46	7° 2	4°39	26°38	20°55	19°35	18°32	0°46	6°40	T 3
F 4	20 51 51	11°50'17	7♎49	7°43	25°41	10°21	23°43	7° 7	4°42	26°39	20°55	19°32	18°29	0°53	6°39	F 4
S 5	20 55 47	12°47'51	20°54	9° 0	26°26	10°59	23°40	7°13	4°46	26°40	20°55	19°29	18°26	1° 0	6°38	S 5
S 6	20 59 44	13°45'26	3♏35	10°14	27°10	11°37	23°37	7°18	4°49	26°41	20°56	19°28	18°23	1° 6	6°36	S 6
M 7	21 3 41	14°43'02	15°57	11°26	27°53	12°15	23°35	7°23	4°53	26°42	20°56	19°D28	18°20	1°13	6°35	M 7
T 8	21 7 37	15°40'38	28° 3	12°36	28°35	12°53	23°33	7°29	4°57	26°43	20°56	19°28	18°16	1°20	6°33	T 8
W 9	21 11 34	16°38'16	9♐58	13°44	29°16	13°31	23°31	7°34	5° 0	26°44	20°56	19°30	18°13	1°26	6°32	W 9
T 10	21 15 30	17°35'55	21°48	14°49	29°56	14° 9	23°29	7°40	5° 4	26°45	20°57	19°31	18°10	1°33	6°30	T 10
F 11	21 19 27	18°33'35	3♑36	15°52	0♎35	14°47	23°27	7°45	5° 7	26°46	20°57	19°33	18° 7	1°40	6°29	F 11
S 12	21 23 23	19°31'16	15°27	16°53	1°13	15°25	23°25	7°51	5°11	26°47	20°57	19°R34	18° 4	1°46	6°27	S 12
S 13	21 27 20	20°28'58	27°24	17°50	1°50	16° 3	23°24	7°57	5°15	26°48	20°57	19°34	18° 1	1°53	6°25	S 13
M14	21 31 16	21°26'42	9♒31	18°45	2°25	16°41	23°23	8° 2	5°18	26°49	20°57	19°32	17°57	2° 0	6°24	M14
T 15	21 35 13	22°24'27	21°48	19°37	2°59	17°19	23°22	8° 8	5°22	26°50	20°57	19°29	17°54	2° 6	6°22	T 15
W16	21 39 10	23°22'13	4♓18	20°26	3°32	17°58	23°21	8°14	5°26	26°51	20°58	19°24	17°51	2°13	6°20	W16
T 17	21 43 6	24°20'01	17° 1	21°11	4° 4	18°36	23°20	8°20	5°30	26°53	20°58	19°19	17°48	2°20	6°18	T 17
F 18	21 47 3	25°17'50	29°58	21°53	4°34	19°14	23°20	8°26	5°33	26°54	20°58	19°13	17°45	2°26	6°16	F 18
S 19	21 50 59	26°15'41	13♈ 7	22°32	5° 2	19°53	23°20	8°32	5°37	26°55	20°58	19° 7	17°41	2°33	6°14	S 19
S 20	21 54 56	27°13'33	26°30	23° 6	5°29	20°31	23°D20	8°38	5°41	26°56	20°R58	19° 2	17°38	2°40	6°12	S 20
M21	21 58 52	28°11'28	10♉ 6	23°36	5°55	21° 9	23°20	8°44	5°44	26°58	20°58	18°59	17°35	2°46	6°10	M21
T 22	22 2 49	29° 9'24	23°55	24° 1	6°19	21°48	23°20	8°50	5°48	26°59	20°58	18°D58	17°32	2°53	6° 8	T 22
W23	22 6 45	0♍ 7'22	7♊56	24°22	6°41	22°26	23°21	8°56	5°52	27° 1	20°58	18°58	17°29	2°59	6° 6	W23
T 24	22 10 42	1° 5'23	22° 8	24°38	7° 1	23° 5	23°21	9° 3	5°56	27° 2	20°58	18°59	17°26	3° 6	6° 4	T 24
F 25	22 14 38	2° 3'25	6♋30	24°49	7°20	23°44	23°22	9° 9	5°59	27° 3	20°58	19° 0	17°22	3°13	6° 2	F 25
S 26	22 18 35	3° 1'29	20°59	24°R54	7°37	24°22	23°23	9°15	6° 3	27° 5	20°57	19°R 1	17°19	3°19	5°59	S 26
S 27	22 22 32	3°59'35	5♌32	24°53	7°51	25° 1	23°24	9°22	6° 7	27° 6	20°57	19° 0	17°16	3°26	5°57	S 27
M28	22 26 28	4°57'43	20° 3	24°46	8° 4	25°40	23°26	9°28	6°11	27° 8	20°57	18°56	17°13	3°33	5°55	M28
T 29	22 30 25	5°55'52	4♍26	24°33	8°15	26°18	23°28	9°35	6°14	27° 9	20°57	18°51	17°10	3°39	5°53	T 29
W30	22 34 21	6°54'03	18°35	24°14	8°24	26°57	23°29	9°41	6°18	27°11	20°57	18°44	17° 7	3°46	5°50	W30
T 31	22 38 18	7♍52'16	2♎25	23♍48	8♎30	27♍36	23♐31	9♎48	6♍22	27♎13	20♉57	18♋36	17♋ 3	3♑53	5♈48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 3	15n48	3n 8	10n11	0n 1	1n 5	1s42	9n18	0n58	23s13	0n 8	0s34	2n21	10n33	0n44	8s38	1n46	4n15	14s14	22n 3	22n11	21s53	5n12	2n45
W 2	17 48	11 27	4 4	9 33	0s 8	0 39	1 50	9 3	0 57	23 13	0 8	0 36	2 21	10 32	0 44	8 38	1 46	4 15	14 14	22 3	22 12	21 54	5 12	2 45
T 3	17 32	6 37	4 45	8 55	0 17	0 13	1 58	8 49	0 57	23 13	0 8	0 39	2 21	10 30	0 44	8 39	1 46	4 15	14 15	22 3	22 12	21 55	5 11	2 45
F 4	17 16	1 37	5 9	8 17	0 26	0s13	2 7	8 34	0 56	23 13	0 7	0 41	2 21	10 29	0 44	8 39	1 46	4 15	14 15	22 4	22 12	21 55	5 11	2 46
S 5	17 0	3s18	5 15	7 39	0 36	0 39	2 15	8 19	0 56	23 13	0 7	0 43	2 21	10 28	0 44	8 39	1 46	4 15	14 15	22 4	22 13	21 56	5 10	2 46
S 6	16 44	7 57	5 6	7 2	0 46	1 4	2 24	8 4	0 55	23 13	0 7	0 45	2 20	10 26	0 44	8 40	1 46	4 15	14 16	22 4	22 13	21 57	5 10	2 46
M 7	16 27	12 8	4 42	6 26	0 56	1 30	2 33	7 49	0 55	23 13	0 7	0 47	2 20	10 25	0 44	8 40	1 46	4 14	14 16	22 4	22 14	21 58	5 9	2 46
T 8	16 10	15 45	4 7	5 50	1 6	1 55	2 42	7 34	0 54	23 13	0 7	0 50	2 20	10 24	0 44	8 41	1 46	4 14	14 16	22 4	22 14	21 59	5 9	2 46
W 9	15 53	18 41	3 21	5 14	1 16	2 19	2 51	7 19	0 54	23 13	0 7	0 52	2 20	10 22	0 44	8 41	1 46	4 14	14 16	22 4	22 15	21 59	5 8	2 46
T 10	15 35	20 48	2 27	4 40	1 26	2 44	3 0	7 4	0 53	23 13	0 7	0 54	2 20	10 21	0 44	8 41	1 46	4 14	14 17	22 4	22 15	22 0	5 8	2 46
F 11	15 18	22 0	1 27	4 6	1 37	3 8	3 10	6 49	0 53	23 13	0 6	0 57	2 20	10 20	0 44	8 42	1 46	4 14	14 17	22 4	22 16	22 1	5 7	2 46
S 12	15 0	22 13	0 23	3 33	1 47	3 32	3 19	6 34	0 52	23 13	0 6	0 59	2 19	10 18	0 44	8 42	1 46	4 13	14 17	22 3	22 16	22 2	5 6	2 46
S 13	14 41	21 25	0s43	3 1	1 58	3 55	3 29	6 19	0 52	23 13	0 6	1 1	2 19	10 17	0 44	8 43	1 46	4 13	14 17	22 3	22 16	22 2	5 6	2 46
M14	14 23	19 38	1 47	2 29	2 8	4 18	3 39	6 3	0 51	23 13	0 6	1 4	2 19	10 16	0 44	8 43	1 45	4 13	14 18	22 4	22 17	22 3	5 5	2 46
T 15	14 4	16 54	2 47	2 0	2 19	4 41	3 48	5 48	0 51	23 13	0 6	1 6	2 19	10 14	0 44	8 44	1 45	4 13	14 18	22 4	22 17	22 4	5 4	2 46
W16	13 45	13 22	3 40	1 31	2 29	5 3	3 58	5 32	0 50	23 14	0 6	1 9	2 19	10 13	0 44	8 44	1 45	4 12	14 18	22 5	22 18	22 5	5 4	2 46
T 17	13 26	9 10	4 23	1 4	2 39	5 25	4 8	5 17	0 50	23 14	0 6	1 11	2 19	10 12	0 44	8 45	1 45	4 12	14 18	22 6	22 18	22 5	5 3	2 46
F 18	13 7	4 30	4 54	0 38	2 49	5 46	4 19	5 1	0 49	23 14	0 5	1 14	2 19	10 10	0 44	8 45	1 45	4 12	14 19	22 6	22 18	22 6	5 2	2 46
S 19	12 47	0n27	5 9	0 14	2 59	6 7	4 29	4 46	0 49	23 14	0 5	1 16	2 18	10 9	0 44	8 46	1 45	4 12	14 19	22 7	22 19	22 7	5 1	2 46
S 20	12 28	5 27	5 8	0s 9	3 9	6 27	4 39	4 30	0 48	23 14	0 5	1 19	2 18	10 7	0 44	8 46	1 45	4 11	14 19	22 8	22 19	22 8	5 1	2 46
M21	12 8	10 17	4 50	0 29	3 18	6 47	4 49	4 15	0 48	23 14	0 5	1 21	2 18	10 6	0 44	8 47	1 45	4 11	14 20	22 8	22 20	22 8	5 0	2 46
T 22	11 47	14 40	4 15	0 48	3 28	7 6	5 0	3 59	0 47	23 14	0 5	1 24	2 18	10 5	0 44	8 47	1 45	4 11	14 20	22 9	22 20	22 9	4 59	2 46
W23	11 27	18 19	3 24	1 4	3 36	7 24	5 10	3 43	0 47	23 15	0 5	1 26	2 18	10 3	0 44	8 48	1 45	4 11	14 20	22 9	22 21	22 10	4 58	2 46
T 24	11 7	20 55	2 21	1 18	3 44	7 42	5 21	3 28	0 46	23 15	0 5	1 29	2 18	10 2	0 44	8 48	1 45	4 10	14 20	22 8	22 21	22 10	4 57	2 46
F 25	10 46	22 12	1 7	1 29	3 52	7 59	5 31	3 12	0 46	23 15	0 4	1 31	2 18	10 1	0 44	8 49	1 45	4 10	14 21	22 8	22 21	22 11	4 57	2 46
S 26	10 25	22 1	0n11	1 37	3 59	8 15	5 42	2 56	0 45	23 15	0 4	1 34	2 18	9 59	0 44	8 49	1 45	4 10	14 21	22 8	22 22	22 12	4 56	2 46
S 27	10 4	20 21	1 28	1 43	4 5	8 31	5 52	2 40	0 45	23 15	0 4	1 37	2 18	9 58	0 44	8 50	1 45	4 10	14 21	22 8	22 22	22 13	4 55	2 46
M28	9 43	17 21	2 40	1 45	4 10	8 45	6 3	2 24	0 44	23 15	0 4	1 39	2 17	9 56	0 44	8 51	1 45	4 9	14 21	22 9	22 23	22 13	4 54	2 46
T 29	9 21	13 19	3 40	1 44	4 15	8 59	6 13	2 9	0 44	23 16	0 4	1 42	2 17	9 55	0 44	8 51	1 45	4 9	14 22	22 9	22 23	22 14	4 53	2 46
W30	9 0	8 36	4 26	1 39	4 18	9 12	6 23	1 53	0 43	23 16	0 4	1 45	2 17	9 54	0 44	8 52	1 45	4 9	14 22	22 10	22 23	22 15	4 52	2 46
T 31	8n38	3n33	4n55	1s30	4s19	9s24	6s33	1n37	0n43	23s16	0n 4	1s47	2n17	9n52	0n44	8s52	1n45	4n 8	14s22	22n12	22n24	22s15	4n51	2n46

Julian Day Number = 2315887.5, Delta T = 59.10 sec
Ecliptic obliquity = 23°29'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'23, Lahiri = 18°40'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

SEPTEMBER 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 42 14	8♍50'30	15♎53	23°R16	8♎35	28♍15	23♐34	9♎54	6♍26	27♎14	20°R56	18°R28	17♋ 0	3♑59	5°R45	F 1
S 2	22 46 11	9°48'46	28°58	22♍38	8°R37	28°54	23°36	10° 1	6°30	27°16	20♉56	18♋20	16°57	4° 6	5♈43	S 2
S 3	22 50 7	10°47'04	11♏40	21°54	8°36	29°33	23°39	10° 8	6°33	27°17	20°56	18°15	16°54	4°13	5°41	S 3
M 4	22 54 4	11°45'23	24° 3	21° 5	8°34	0♎12	23°41	10°14	6°37	27°19	20°56	18°11	16°51	4°19	5°38	M 4
T 5	22 58 1	12°43'44	6♐ 9	20°11	8°29	0°51	23°44	10°21	6°41	27°21	20°55	18° 9	16°47	4°26	5°36	T 5
W 6	23 1 57	13°42'07	18° 5	19°13	8°21	1°30	23°47	10°28	6°45	27°23	20°55	18°D 9	16°44	4°33	5°33	W 6
T 7	23 5 54	14°40'31	29°54	18°13	8°11	2° 9	23°51	10°35	6°48	27°24	20°55	18°10	16°41	4°39	5°30	T 7
F 8	23 9 50	15°38'56	11♑43	17°11	7°59	2°48	23°54	10°42	6°52	27°26	20°54	18°11	16°38	4°46	5°28	F 8
S 9	23 13 47	16°37'24	23°36	16° 9	7°45	3°27	23°58	10°49	6°56	27°28	20°54	18°R11	16°35	4°53	5°25	S 9
S 10	23 17 43	17°35'53	5♒38	15° 9	7°28	4° 7	24° 2	10°56	7° 0	27°30	20°53	18° 9	16°32	4°59	5°23	S 10
M11	23 21 40	18°34'23	17°53	14°11	7° 8	4°46	24° 6	11° 2	7° 3	27°32	20°53	18° 5	16°28	5° 6	5°20	M11
T 12	23 25 36	19°32'56	0♓24	13°18	6°47	5°25	24°10	11° 9	7° 7	27°33	20°53	17°59	16°25	5°12	5°17	T 12
W13	23 29 33	20°31'30	13°11	12°30	6°23	6° 5	24°14	11°16	7°11	27°35	20°52	17°50	16°22	5°19	5°15	W13
T 14	23 33 30	21°30'06	26°15	11°49	5°58	6°44	24°19	11°23	7°14	27°37	20°52	17°40	16°19	5°26	5°12	T 14
F 15	23 37 26	22°28'44	9♈36	11°16	5°30	7°24	24°23	11°31	7°18	27°39	20°51	17°29	16°16	5°32	5° 9	F 15
S 16	23 41 23	23°27'25	23° 9	10°52	5° 0	8° 3	24°28	11°38	7°22	27°41	20°51	17°18	16°12	5°39	5° 7	S 16
S 17	23 45 19	24°26'07	6♉54	10°38	4°29	8°43	24°33	11°45	7°25	27°43	20°50	17° 9	16° 9	5°46	5° 4	S 17
M18	23 49 16	25°24'52	20°47	10°D33	3°57	9°22	24°38	11°52	7°29	27°45	20°49	17° 2	16° 6	5°52	5° 1	M18
T 19	23 53 12	26°23'38	4♊46	10°38	3°23	10° 2	24°44	11°59	7°33	27°47	20°49	16°58	16° 3	5°59	4°58	T 19
W20	23 57 9	27°22'28	18°49	10°53	2°48	10°41	24°49	12° 6	7°36	27°49	20°48	16°56	16° 0	6° 6	4°55	W20
T 21	0 1 5	28°21'19	2♋55	11°18	2°12	11°21	24°55	12°13	7°40	27°51	20°48	16°D56	15°57	6°12	4°53	T 21
F 22	0 5 2	29°20'13	17° 3	11°53	1°36	12° 1	25° 1	12°20	7°43	27°53	20°47	16°R56	15°53	6°19	4°50	F 22
S 23	0 8 59	0♎19'09	1♌11	12°36	0°59	12°41	25° 7	12°28	7°47	27°55	20°46	16°56	15°50	6°26	4°47	S 23
S 24	0 12 55	1°18'08	15°19	13°28	0°23	13°21	25°13	12°35	7°50	27°57	20°46	16°53	15°47	6°32	4°44	S 24
M25	0 16 52	2°17'09	29°24	14°27	29♍46	14° 1	25°19	12°42	7°54	27°59	20°45	16°48	15°44	6°39	4°42	M25
T 26	0 20 48	3°16'12	13♍23	15°33	29° 9	14°41	25°25	12°49	7°58	28° 1	20°44	16°39	15°41	6°45	4°39	T 26
W27	0 24 45	4°15'17	27°11	16°46	28°34	15°21	25°32	12°57	8° 1	28° 3	20°44	16°29	15°38	6°52	4°36	W27
T 28	0 28 41	5°14'24	10♎44	18° 4	27°59	16° 1	25°39	13° 4	8° 4	28° 5	20°43	16°16	15°34	6°59	4°33	T 28
F 29	0 32 38	6°13'33	24° 1	19°28	27°25	16°41	25°46	13°11	8° 8	28° 7	20°42	16° 4	15°31	7° 5	4°30	F 29
S 30	0 36 34	7♎12'44	6♏58	20♍55	26♍52	17♎21	25♐53	13♎19	8♍11	28♎ 9	20♉41	15♋52	15♋28	7♑12	4♈27	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n16	1s32	5n 7	1s18	4s20	9s35	6s43	1n21	0n42	23s16	0n 3	1s50	2n17	9n51	0n44	8s53	1n45	4n 8	14s22	22n13	22n24	22s16	4n50	2n46
S 2	7 54	6 25	5 2	1 2	4 18	9 45	6 53	1 5	0 42	23 17	0 3	1 53	2 17	9 49	0 44	8 54	1 45	4 8	14 23	22 14	22 25	22 17	4 49	2 46
S 3	7 32	10 53	4 42	0 41	4 15	9 53	7 3	0 49	0 41	23 17	0 3	1 55	2 17	9 48	0 44	8 54	1 45	4 7	14 23	22 14	22 25	22 17	4 48	2 46
M 4	7 10	14 47	4 10	0 18	4 10	10 1	7 12	0 33	0 41	23 17	0 3	1 58	2 17	9 47	0 44	8 55	1 45	4 7	14 23	22 15	22 25	22 18	4 47	2 46
T 5	6 48	18 0	3 26	0n10	4 4	10 7	7 22	0 17	0 40	23 17	0 3	2 1	2 17	9 45	0 44	8 55	1 44	4 7	14 23	22 15	22 26	22 19	4 46	2 46
W 6	6 25	20 23	2 35	0 40	3 55	10 12	7 30	0 1	0 40	23 18	0 3	2 4	2 17	9 44	0 44	8 56	1 44	4 6	14 24	22 15	22 26	22 19	4 45	2 46
T 7	6 3	21 53	1 37	1 14	3 44	10 16	7 39	0s15	0 39	23 18	0 3	2 6	2 16	9 42	0 44	8 57	1 44	4 6	14 24	22 15	22 27	22 20	4 44	2 46
F 8	5 40	22 24	0 35	1 49	3 32	10 19	7 47	0 32	0 39	23 18	0 3	2 9	2 16	9 41	0 44	8 57	1 44	4 6	14 24	22 15	22 27	22 20	4 43	2 46
S 9	5 17	21 54	0s29	2 27	3 17	10 20	7 54	0 48	0 38	23 19	0 2	2 12	2 16	9 40	0 44	8 58	1 44	4 5	14 24	22 15	22 27	22 21	4 42	2 46
S 10	4 55	20 23	1 32	3 5	3 1	10 20	8 2	1 4	0 38	23 19	0 2	2 15	2 16	9 38	0 44	8 59	1 44	4 5	14 25	22 15	22 28	22 22	4 41	2 46
M11	4 32	17 55	2 32	3 43	2 44	10 18	8 8	1 20	0 37	23 19	0 2	2 17	2 16	9 37	0 44	8 59	1 44	4 5	14 25	22 16	22 28	22 22	4 40	2 46
T 12	4 9	14 33	3 26	4 20	2 26	10 15	8 14	1 36	0 37	23 19	0 2	2 20	2 16	9 36	0 44	9 0	1 44	4 4	14 25	22 17	22 29	22 23	4 39	2 46
W13	3 46	10 28	4 10	4 56	2 6	10 10	8 19	1 52	0 36	23 20	0 2	2 23	2 16	9 34	0 44	9 1	1 44	4 4	14 25	22 18	22 29	22 24	4 38	2 46
T 14	3 23	5 48	4 42	5 30	1 47	10 4	8 24	2 8	0 36	23 20	0 2	2 26	2 16	9 33	0 44	9 2	1 44	4 4	14 26	22 19	22 29	22 24	4 37	2 46
F 15	2 59	0 47	5 0	6 1	1 27	9 57	8 28	2 24	0 35	23 20	0 2	2 29	2 16	9 31	0 44	9 2	1 44	4 3	14 26	22 21	22 30	22 25	4 36	2 46
S 16	2 36	4n21	5 1	6 28	1 7	9 48	8 31	2 40	0 35	23 21	0 2	2 31	2 16	9 30	0 44	9 3	1 44	4 3	14 26	22 22	22 30	22 25	4 34	2 46
S 17	2 13	9 21	4 45	6 52	0 47	9 38	8 33	2 56	0 34	23 21	0 1	2 34	2 16	9 29	0 44	9 4	1 44	4 3	14 26	22 23	22 30	22 26	4 33	2 46
M18	1 50	13 56	4 12	7 11	0 28	9 26	8 35	3 12	0 33	23 21	0 1	2 37	2 16	9 27	0 44	9 4	1 44	4 2	14 27	22 24	22 31	22 26	4 32	2 46
T 19	1 26	17 47	3 24	7 26	0 10	9 13	8 35	3 29	0 33	23 22	0 1	2 40	2 16	9 26	0 44	9 5	1 44	4 2	14 27	22 24	22 31	22 27	4 31	2 46
W20	1 3	20 38	2 24	7 36	0n 7	8 59	8 35	3 45	0 32	23 22	0 1	2 43	2 16	9 25	0 44	9 6	1 44	4 2	14 27	22 25	22 32	22 28	4 30	2 46
T 21	0 39	22 13	1 14	7 42	0 23	8 43	8 33	4 1	0 32	23 22	0 1	2 46	2 16	9 23	0 44	9 7	1 44	4 1	14 27	22 25	22 32	22 28	4 29	2 46
F 22	0 16	22 24	0n 1	7 42	0 38	8 27	8 31	4 17	0 31	23 23	0 1	2 48	2 16	9 22	0 44	9 7	1 44	4 1	14 27	22 25	22 32	22 29	4 28	2 46
S 23	0s 8	21 9	1 15	7 38	0 51	8 9	8 28	4 33	0 31	23 23	0 1	2 51	2 16	9 21	0 44	9 8	1 44	4 1	14 28	22 25	22 33	22 29	4 26	2 46
S 24	0 31	18 34	2 24	7 29	1 3	7 51	8 24	4 49	0 30	23 23	0 1	2 54	2 16	9 19	0 44	9 9	1 44	4 0	14 28	22 25	22 33	22 30	4 25	2 46
M25	0 55	14 54	3 25	7 16	1 14	7 31	8 19	5 5	0 30	23 24	0 0	2 57	2 15	9 18	0 44	9 10	1 44	4 0	14 28	22 26	22 33	22 30	4 24	2 46
T 26	1 18	10 25	4 12	6 59	1 24	7 11	8 13	5 21	0 29	23 24	0 0	3 0	2 15	9 17	0 44	9 10	1 44	4 0	14 28	22 27	22 34	22 31	4 23	2 46
W27	1 42	5 28	4 44	6 39	1 32	6 51	8 6	5 37	0 29	23 24	0 0	3 3	2 15	9 16	0 44	9 11	1 44	3 59	14 28	22 28	22 34	22 31	4 22	2 45
T 28	2 5	0 20	4 59	6 14	1 39	6 30	7 58	5 53	0 28	23 25	0 0	3 5	2 15	9 14	0 44	9 12	1 44	3 59	14 29	22 30	22 35	22 32	4 20	2 45
F 29	2 29	4s43	4 58	5 47	1 45	6 9	7 50	6 9	0 28	23 25	0s 0	3 8	2 15	9 13	0 44	9 13	1 44	3 58	14 29	22 31	22 35	22 32	4 19	2 45
S 30	2s52	9s26	4n41	5n17	1n49	5s47	7s41	6s25	0n27	23s25	0s 0	3s11	2n15	9n12	0n44	9s13	1n44	3n58	14s29	22n33	22n35	22s33	4n18	2n45

Julian Day Number = 2315918.5, Delta T = 59.03 sec
Ecliptic obliquity = 23°29'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'27, Lahiri = 18°40'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

OCTOBER 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 40 31	8♎11'57	19♏36	22♍26	26°R21	18♎ 1	26♐ 0	13♎26	8♍15	28♎11	20°R41	15°R42	15♋25	7♑19	4°R25	S 1
M 2	0 44 27	9°11'12	1♐56	24° 0	25♍51	18°41	26° 7	13°33	8°18	28°14	20♉40	15♋35	15°22	7°25	4♈22	M 2
T 3	0 48 24	10°10'29	14° 2	25°37	25°23	19°21	26°15	13°41	8°21	28°16	20°39	15°30	15°18	7°32	4°19	T 3
W 4	0 52 21	11° 9'48	25°56	27°15	24°57	20° 2	26°22	13°48	8°25	28°18	20°38	15°28	15°15	7°39	4°16	W 4
T 5	0 56 17	12° 9'09	7♑45	28°56	24°33	20°42	26°30	13°55	8°28	28°20	20°37	15°27	15°12	7°45	4°13	T 5
F 6	1 0 14	13° 8'31	19°33	0♎37	24°11	21°23	26°38	14° 3	8°31	28°22	20°36	15°27	15° 9	7°52	4°11	F 6
S 7	1 4 10	14° 7'55	1♒27	2°19	23°51	22° 3	26°46	14°10	8°35	28°24	20°36	15°26	15° 6	7°59	4° 8	S 7
S 8	1 8 7	15° 7'21	13°31	4° 2	23°34	22°43	26°54	14°17	8°38	28°27	20°35	15°24	15° 3	8° 5	4° 5	S 8
M 9	1 12 3	16° 6'49	25°50	5°46	23°19	23°24	27° 3	14°25	8°41	28°29	20°34	15°20	14°59	8°12	4° 2	M 9
T 10	1 16 0	17° 6'18	8♓29	7°30	23° 7	24° 5	27°11	14°32	8°44	28°31	20°33	15°12	14°56	8°19	4° 0	T 10
W11	1 19 56	18° 5'50	21°29	9°13	22°57	24°45	27°20	14°39	8°47	28°33	20°32	15° 3	14°53	8°25	3°57	W11
T 12	1 23 53	19° 5'23	4♈51	10°57	22°49	25°26	27°28	14°46	8°50	28°35	20°31	14°51	14°50	8°32	3°54	T 12
F 13	1 27 50	20° 4'58	18°34	12°41	22°44	26° 7	27°37	14°54	8°53	28°38	20°30	14°38	14°47	8°38	3°52	F 13
S 14	1 31 46	21° 4'35	2♉33	14°24	22°41	26°47	27°46	15° 1	8°57	28°40	20°29	14°26	14°43	8°45	3°49	S 14
S 15	1 35 43	22° 4'15	16°45	16° 7	22°D41	27°28	27°55	15° 8	9° 0	28°42	20°28	14°16	14°40	8°52	3°46	S 15
M16	1 39 39	23° 3'56	1♊ 4	17°49	22°43	28° 9	28° 5	15°16	9° 3	28°44	20°27	14° 8	14°37	8°58	3°44	M16
T 17	1 43 36	24° 3'40	15°24	19°31	22°48	28°50	28°14	15°23	9° 5	28°47	20°26	14° 2	14°34	9° 5	3°41	T 17
W18	1 47 32	25° 3'26	29°41	21°13	22°55	29°31	28°23	15°30	9° 8	28°49	20°25	14° 0	14°31	9°12	3°39	W18
T 19	1 51 29	26° 3'15	13♋54	22°54	23° 4	0♏12	28°33	15°37	9°11	28°51	20°24	13°D59	14°28	9°18	3°36	T 19
F 20	1 55 25	27° 3'05	27°59	24°35	23°15	0°53	28°43	15°45	9°14	28°53	20°23	14°R 0	14°24	9°25	3°34	F 20
S 21	1 59 22	28° 2'58	11♌58	26°15	23°29	1°34	28°52	15°52	9°17	28°56	20°22	13°59	14°21	9°32	3°31	S 21
S 22	2 3 19	29° 2'54	25°48	27°55	23°44	2°15	29° 2	15°59	9°20	28°58	20°21	13°56	14°18	9°38	3°29	S 22
M23	2 7 15	0♏ 2'51	9♍30	29°34	24° 2	2°56	29°12	16° 6	9°22	29° 0	20°20	13°51	14°15	9°45	3°26	M23
T 24	2 11 12	1° 2'50	23° 3	1♏13	24°21	3°38	29°22	16°14	9°25	29° 2	20°19	13°43	14°12	9°52	3°24	T 24
W25	2 15 8	2° 2'52	6♎26	2°51	24°43	4°19	29°33	16°21	9°28	29° 5	20°18	13°33	14° 9	9°58	3°21	W25
T 26	2 19 5	3° 2'56	19°37	4°28	25° 6	5° 0	29°43	16°28	9°30	29° 7	20°17	13°21	14° 5	10° 5	3°19	T 26
F 27	2 23 1	4° 3'01	2♏34	6° 6	25°32	5°42	29°53	16°35	9°33	29° 9	20°16	13° 8	14° 2	10°11	3°17	F 27
S 28	2 26 58	5° 3'09	15°16	7°42	25°58	6°23	0♑ 4	16°42	9°35	29°11	20°15	12°56	13°59	10°18	3°14	S 28
S 29	2 30 54	6° 3'18	27°44	9°19	26°27	7° 5	0°15	16°49	9°38	29°14	20°14	12°46	13°56	10°25	3°12	S 29
M30	2 34 51	7° 3'29	9♐57	10°54	26°57	7°46	0°25	16°56	9°40	29°16	20°13	12°39	13°53	10°31	3°10	M30
T 31	2 38 48	8♏ 3'42	21♐59	12♏30	27♍29	8♏28	0♑36	17♎ 3	9♍43	29♎18	20♉11	12♋34	13♋49	10♑38	3♈ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s15	13s39	4n10	4n44	1n53	5s26	7s31	6s40	0n26	23s26	0s 0	3s14	2n15	9n10	0n44	9s14	1n44	3n58	14s29	22n34	22n36	22s34	4n17	2n45
M 2	3 39	17 11	3 29	4 9	1 55	5 5	7 20	6 56	0 26	23 26	0 0	3 17	2 15	9 9	0 44	9 15	1 44	3 57	14 29	22 35	22 36	22 34	4 16	2 45
T 3	4 2	19 55	2 38	3 32	1 56	4 43	7 9	7 12	0 25	23 26	0 0	3 20	2 15	9 8	0 44	9 16	1 44	3 57	14 30	22 35	22 36	22 35	4 15	2 45
W 4	4 26	21 44	1 42	2 53	1 57	4 23	6 58	7 28	0 25	23 27	0 1	3 22	2 15	9 7	0 44	9 17	1 44	3 57	14 30	22 35	22 37	22 35	4 13	2 45
T 5	4 49	22 35	0 41	2 13	1 57	4 2	6 45	7 43	0 24	23 27	0 1	3 25	2 15	9 6	0 44	9 17	1 44	3 56	14 30	22 35	22 37	22 36	4 12	2 45
F 6	5 12	22 25	0s22	1 31	1 56	3 42	6 33	7 59	0 24	23 27	0 1	3 28	2 15	9 4	0 44	9 18	1 44	3 56	14 30	22 35	22 37	22 36	4 11	2 45
S 7	5 35	21 14	1 24	0 49	1 54	3 22	6 20	8 15	0 23	23 28	0 1	3 31	2 15	9 3	0 44	9 19	1 44	3 55	14 30	22 35	22 38	22 36	4 10	2 45
S 8	5 58	19 5	2 23	0 6	1 52	3 4	6 7	8 30	0 23	23 28	0 1	3 34	2 15	9 2	0 44	9 20	1 44	3 55	14 30	22 36	22 38	22 37	4 9	2 44
M 9	6 21	16 1	3 16	0s38	1 49	2 46	5 54	8 46	0 22	23 28	0 1	3 37	2 15	9 1	0 44	9 20	1 44	3 55	14 30	22 36	22 39	22 37	4 7	2 44
T 10	6 44	12 8	4 2	1 22	1 46	2 28	5 40	9 1	0 21	23 29	0 1	3 39	2 15	9 0	0 44	9 21	1 44	3 54	14 31	22 37	22 39	22 38	4 6	2 44
W11	7 7	7 36	4 36	2 6	1 42	2 12	5 27	9 17	0 21	23 29	0 1	3 42	2 15	8 58	0 44	9 22	1 44	3 54	14 31	22 38	22 39	22 38	4 5	2 44
T 12	7 29	2 36	4 56	2 51	1 38	1 56	5 13	9 32	0 20	23 29	0 1	3 45	2 16	8 57	0 44	9 23	1 44	3 54	14 31	22 39	22 40	22 39	4 4	2 44
F 13	7 52	2n40	5 0	3 35	1 33	1 41	4 59	9 48	0 20	23 29	0 2	3 48	2 16	8 56	0 44	9 24	1 44	3 53	14 31	22 41	22 40	22 39	4 3	2 44
S 14	8 14	7 54	4 46	4 20	1 28	1 28	4 45	10 3	0 19	23 30	0 2	3 51	2 16	8 55	0 44	9 24	1 44	3 53	14 31	22 42	22 40	22 40	4 1	2 44
S 15	8 37	12 49	4 14	5 4	1 23	1 15	4 32	10 18	0 19	23 30	0 2	3 53	2 16	8 54	0 44	9 25	1 44	3 53	14 31	22 43	22 41	22 40	4 0	2 44
M16	8 59	17 3	3 26	5 49	1 17	1 3	4 18	10 33	0 18	23 30	0 2	3 56	2 16	8 53	0 44	9 26	1 44	3 52	14 31	22 44	22 41	22 41	3 59	2 44
T 17	9 21	20 17	2 25	6 33	1 12	0 53	4 4	10 48	0 18	23 30	0 2	3 59	2 16	8 52	0 44	9 27	1 44	3 52	14 31	22 45	22 41	22 41	3 58	2 43
W18	9 43	22 14	1 15	7 17	1 6	0 43	3 51	11 4	0 17	23 31	0 2	4 2	2 16	8 51	0 44	9 28	1 44	3 52	14 32	22 45	22 42	22 41	3 57	2 43
T 19	10 5	22 45	0 0	8 0	1 0	0 34	3 38	11 19	0 16	23 31	0 2	4 4	2 16	8 50	0 45	9 28	1 44	3 51	14 32	22 45	22 42	22 42	3 56	2 43
F 20	10 27	21 48	1n14	8 43	0 54	0 27	3 24	11 33	0 16	23 31	0 2	4 7	2 16	8 49	0 45	9 29	1 44	3 51	14 32	22 45	22 42	22 42	3 55	2 43
S 21	10 48	19 31	2 22	9 25	0 47	0 20	3 11	11 48	0 15	23 31	0 2	4 10	2 16	8 48	0 45	9 30	1 44	3 51	14 32	22 45	22 43	22 43	3 53	2 43
S 22	11 9	16 7	3 22	10 7	0 41	0 14	2 59	12 3	0 15	23 31	0 2	4 13	2 16	8 47	0 45	9 31	1 44	3 50	14 32	22 45	22 43	22 43	3 52	2 43
M23	11 31	11 53	4 10	10 48	0 34	0 10	2 46	12 18	0 14	23 32	0 3	4 15	2 16	8 46	0 45	9 32	1 44	3 50	14 32	22 46	22 43	22 43	3 51	2 43
T 24	11 52	7 5	4 43	11 29	0 28	0 6	2 34	12 32	0 14	23 32	0 3	4 18	2 16	8 45	0 45	9 32	1 44	3 50	14 32	22 47	22 44	22 44	3 50	2 42
W25	12 13	2 1	5 0	12 9	0 21	0 4	2 22	12 47	0 13	23 32	0 3	4 21	2 16	8 44	0 45	9 33	1 44	3 49	14 32	22 48	22 44	22 44	3 49	2 42
T 26	12 33	3s 3	5 0	12 49	0 14	0 2	2 10	13 1	0 12	23 32	0 3	4 23	2 16	8 43	0 45	9 34	1 44	3 49	14 32	22 49	22 44	22 45	3 48	2 42
F 27	12 54	7 55	4 45	13 27	0 8	0 1	1 58	13 16	0 12	23 32	0 3	4 26	2 16	8 42	0 45	9 35	1 44	3 49	14 32	22 50	22 45	22 45	3 47	2 42
S 28	13 14	12 22	4 16	14 6	0 1	0 2	1 47	13 30	0 11	23 32	0 3	4 29	2 16	8 41	0 45	9 36	1 44	3 48	14 32	22 51	22 45	22 45	3 46	2 42
S 29	13 34	16 12	3 35	14 43	0s 6	0 3	1 35	13 44	0 11	23 32	0 3	4 31	2 16	8 40	0 45	9 36	1 44	3 48	14 32	22 52	22 45	22 46	3 45	2 42
M30	13 54	19 16	2 45	15 20	0 12	0 5	1 24	13 58	0 10	23 32	0 3	4 34	2 17	8 39	0 45	9 37	1 44	3 48	14 32	22 53	22 46	22 46	3 44	2 41
T 31	14s13	21s27	1n47	15s55	0s19	0s 7	1s14	14s12	0n 9	23s32	0s 3	4s37	2n17	8n38	0n45	9s38	1n44	3n47	14s32	22n54	22n46	22s46	3n43	2n41

Julian Day Number = 2315948.5, Delta T = 58.97 sec
Ecliptic obliquity = 23°29'13, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'31, Lahiri = 18°40'32Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

NOVEMBER 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 42 44	9♏ 3'56	3♉51	14♏ 5	28♍ 2	9♏ 9	0♉47	17♎10	9♍45	29♎20	20°R10	12°R32	13♋46	10♉45	3°R 5	W 1
T 2	2 46 41	10° 4'12	15°38	15°40	28°36	9°51	0°58	17°17	9°47	29°22	20♉ 9	12°D31	13°43	10°51	3♈ 3	T 2
F 3	2 50 37	11° 4'30	27°25	17°14	29°12	10°33	1° 9	17°24	9°50	29°25	20° 8	12♋32	13°40	10°58	3° 1	F 3
S 4	2 54 34	12° 4'49	9♒17	18°48	29°50	11°15	1°21	17°31	9°52	29°27	20° 7	12°R33	13°37	11° 5	2°59	S 4
S 5	2 58 30	13° 5'10	21°20	20°22	0♎28	11°56	1°32	17°38	9°54	29°29	20° 6	12°32	13°34	11°11	2°57	S 5
M 6	3 2 27	14° 5'31	3♓38	21°55	1° 8	12°38	1°43	17°45	9°56	29°31	20° 5	12°30	13°30	11°18	2°55	M 6
T 7	3 6 23	15° 5'55	16°17	23°28	1°49	13°20	1°55	17°52	9°58	29°33	20° 4	12°26	13°27	11°25	2°53	T 7
W 8	3 10 20	16° 6'19	29°21	25° 1	2°31	14° 2	2° 6	17°58	10° 0	29°36	20° 3	12°19	13°24	11°31	2°52	W 8
T 9	3 14 17	17° 6'45	12♈50	26°33	3°14	14°44	2°18	18° 5	10° 2	29°38	20° 1	12°11	13°21	11°38	2°50	T 9
F 10	3 18 13	18° 7'13	26°45	28° 5	3°59	15°26	2°30	18°12	10° 4	29°40	20° 0	12° 2	13°18	11°45	2°48	F 10
S 11	3 22 10	19° 7'42	11♉ 3	29°37	4°44	16° 8	2°42	18°18	10° 6	29°42	19°59	11°53	13°15	11°51	2°46	S 11
S 12	3 26 6	20° 8'13	25°38	1♐ 9	5°30	16°50	2°53	18°25	10° 8	29°44	19°58	11°45	13°11	11°58	2°45	S 12
M13	3 30 3	21° 8'45	10♊22	2°40	6°17	17°33	3° 5	18°32	10°10	29°46	19°57	11°39	13° 8	12° 4	2°43	M13
T 14	3 33 59	22° 9'19	25° 9	4°11	7° 6	18°15	3°17	18°38	10°12	29°48	19°56	11°36	13° 5	12°11	2°41	T 14
W15	3 37 56	23° 9'55	9♋51	5°42	7°55	18°57	3°30	18°45	10°13	29°51	19°55	11°D35	13° 2	12°18	2°40	W15
T 16	3 41 52	24°10'32	24°22	7°13	8°45	19°39	3°42	18°51	10°15	29°53	19°54	11°35	12°59	12°24	2°38	T 16
F 17	3 45 49	25°11'11	8♌40	8°43	9°35	20°22	3°54	18°58	10°17	29°55	19°52	11°36	12°55	12°31	2°37	F 17
S 18	3 49 46	26°11'52	22°41	10°13	10°27	21° 4	4° 6	19° 4	10°18	29°57	19°51	11°R37	12°52	12°38	2°35	S 18
S 19	3 53 42	27°12'34	6♍27	11°43	11°19	21°47	4°19	19°10	10°20	29°59	19°50	11°37	12°49	12°44	2°34	S 19
M20	3 57 39	28°13'19	19°57	13°12	12°12	22°29	4°31	19°17	10°21	0♏ 1	19°49	11°35	12°46	12°51	2°33	M20
T 21	4 1 35	29°14'04	3♎12	14°41	13° 6	23°12	4°44	19°23	10°23	0° 3	19°48	11°30	12°43	12°58	2°31	T 21
W22	4 5 32	0♐14'51	16°13	16°10	14° 0	23°54	4°56	19°29	10°24	0° 5	19°47	11°25	12°40	13° 4	2°30	W22
T 23	4 9 28	1°15'40	29° 2	17°38	14°55	24°37	5° 9	19°35	10°25	0° 7	19°46	11°17	12°36	13°11	2°29	T 23
F 24	4 13 25	2°16'30	11♏38	19° 5	15°51	25°20	5°22	19°41	10°26	0° 9	19°45	11°10	12°33	13°18	2°28	F 24
S 25	4 17 21	3°17'22	24° 3	20°32	16°47	26° 3	5°35	19°47	10°28	0°11	19°44	11° 3	12°30	13°24	2°27	S 25
S 26	4 21 18	4°18'14	6♐16	21°58	17°44	26°46	5°48	19°53	10°29	0°13	19°42	10°57	12°27	13°31	2°26	S 26
M27	4 25 15	5°19'08	18°20	23°23	18°42	27°28	6° 0	19°59	10°30	0°15	19°41	10°53	12°24	13°37	2°25	M27
T 28	4 29 11	6°20'03	0♉15	24°47	19°40	28°11	6°13	20° 5	10°31	0°17	19°40	10°50	12°21	13°44	2°24	T 28
W29	4 33 8	7°20'59	12° 5	26°10	20°38	28°54	6°26	20°10	10°32	0°19	19°39	10°D50	12°17	13°51	2°23	W29
T 30	4 37 4	8♐21'56	23♉51	27♐32	21♎37	29♏37	6♉40	20♎16	10♍33	0♏20	19♉38	10♋50	12♋14	13♉57	2♈23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s33	22s40	0n46	16s30	0s26	0s11	1s 3	14s26	0n 9	23s33	0s 3	4s39	2n17	8n37	0n45	9s39	1n44	3n47	14s33	22n54	22n46	22s47	3n42	2n41
T 2	14 52	22 51	0s17	17 5	0 32	0 16	0 53	14 40	0 8	23 33	0 4	4 42	2 17	8 36	0 45	9 39	1 44	3 47	14 33	22 54	22 47	22 47	3 41	2 41
F 3	15 11	22 0	1 19	17 38	0 39	0 21	0 43	14 54	0 8	23 33	0 4	4 44	2 17	8 36	0 45	9 40	1 44	3 46	14 33	22 54	22 47	22 47	3 40	2 41
S 4	15 29	20 11	2 18	18 10	0 45	0 27	0 34	15 7	0 7	23 33	0 4	4 47	2 17	8 35	0 45	9 41	1 44	3 46	14 33	22 54	22 47	22 48	3 39	2 41
S 5	15 48	17 27	3 13	18 42	0 52	0 34	0 24	15 21	0 6	23 33	0 4	4 49	2 17	8 34	0 45	9 42	1 44	3 46	14 33	22 54	22 48	22 48	3 38	2 40
M 6	16 6	13 54	3 59	19 13	0 58	0 41	0 15	15 34	0 6	23 32	0 4	4 52	2 17	8 33	0 45	9 42	1 44	3 46	14 33	22 54	22 48	22 48	3 37	2 40
T 7	16 24	9 39	4 35	19 42	1 4	0 49	0 6	15 47	0 5	23 32	0 4	4 54	2 17	8 32	0 45	9 43	1 44	3 45	14 33	22 54	22 48	22 49	3 36	2 40
W 8	16 41	4 49	4 58	20 11	1 10	0 58	0n 2	16 0	0 5	23 32	0 4	4 57	2 17	8 32	0 45	9 44	1 44	3 45	14 33	22 55	22 49	22 49	3 35	2 40
T 9	16 59	0n23	5 6	20 39	1 16	1 8	0 11	16 13	0 4	23 32	0 4	4 59	2 18	8 31	0 45	9 45	1 44	3 45	14 33	22 56	22 49	22 49	3 34	2 40
F 10	17 16	5 44	4 56	21 6	1 22	1 18	0 19	16 26	0 4	23 32	0 4	5 2	2 18	8 30	0 45	9 45	1 44	3 44	14 33	22 56	22 49	22 50	3 33	2 40
S 11	17 32	10 56	4 28	21 32	1 27	1 29	0 27	16 39	0 3	23 32	0 4	5 4	2 18	8 30	0 45	9 46	1 44	3 44	14 33	22 57	22 50	22 50	3 32	2 39
S 12	17 49	15 37	3 42	21 56	1 32	1 40	0 34	16 52	0 2	23 32	0 5	5 6	2 18	8 29	0 45	9 47	1 44	3 44	14 33	22 58	22 50	22 50	3 32	2 39
M13	18 5	19 24	2 40	22 20	1 38	1 52	0 42	17 4	0 2	23 32	0 5	5 9	2 18	8 28	0 45	9 48	1 44	3 44	14 33	22 58	22 50	22 51	3 31	2 39
T 14	18 21	21 56	1 28	22 42	1 43	2 5	0 49	17 17	0 1	23 31	0 5	5 11	2 18	8 28	0 45	9 48	1 44	3 43	14 32	22 59	22 51	22 51	3 30	2 39
W15	18 36	22 58	0 9	23 4	1 48	2 18	0 56	17 29	0 1	23 31	0 5	5 14	2 18	8 27	0 45	9 49	1 44	3 43	14 32	22 59	22 51	22 51	3 29	2 39
T 16	18 51	22 25	1n 9	23 24	1 52	2 31	1 2	17 41	0s 0	23 31	0 5	5 16	2 18	8 27	0 46	9 50	1 44	3 43	14 32	22 59	22 51	22 51	3 28	2 38
F 17	19 6	20 24	2 21	23 43	1 56	2 45	1 9	17 53	0 1	23 31	0 5	5 18	2 19	8 26	0 46	9 50	1 44	3 43	14 32	22 59	22 51	22 52	3 28	2 38
S 18	19 20	17 11	3 24	24 1	2 1	3 0	1 15	18 5	0 1	23 30	0 5	5 20	2 19	8 25	0 46	9 51	1 44	3 42	14 32	22 59	22 52	22 52	3 27	2 38
S 19	19 34	13 5	4 14	24 17	2 4	3 15	1 21	18 17	0 2	23 30	0 5	5 23	2 19	8 25	0 46	9 52	1 44	3 42	14 32	22 59	22 52	22 52	3 26	2 38
M20	19 48	8 24	4 48	24 33	2 8	3 30	1 27	18 28	0 3	23 30	0 5	5 25	2 19	8 24	0 46	9 53	1 44	3 42	14 32	22 59	22 52	22 52	3 25	2 38
T 21	20 2	3 25	5 6	24 47	2 11	3 46	1 32	18 40	0 3	23 29	0 5	5 27	2 19	8 24	0 46	9 53	1 44	3 42	14 32	22 59	22 53	22 53	3 25	2 37
W22	20 15	1s39	5 9	24 59	2 14	4 2	1 38	18 51	0 4	23 29	0 5	5 29	2 19	8 23	0 46	9 54	1 44	3 42	14 32	23 0	22 53	22 53	3 24	2 37
T 23	20 27	6 33	4 55	25 11	2 17	4 19	1 43	19 2	0 4	23 29	0 6	5 31	2 19	8 23	0 46	9 55	1 44	3 41	14 32	23 0	22 53	22 53	3 23	2 37
F 24	20 39	11 7	4 27	25 21	2 19	4 36	1 48	19 13	0 5	23 28	0 6	5 34	2 20	8 23	0 46	9 55	1 44	3 41	14 32	23 1	22 54	22 53	3 23	2 37
S 25	20 51	15 9	3 47	25 29	2 21	4 53	1 52	19 24	0 6	23 28	0 6	5 36	2 20	8 22	0 46	9 56	1 44	3 41	14 32	23 2	22 54	22 53	3 22	2 37
S 26	21 3	18 29	2 57	25 36	2 22	5 10	1 57	19 34	0 6	23 27	0 6	5 38	2 20	8 22	0 46	9 57	1 44	3 41	14 32	23 2	22 54	22 54	3 22	2 36
M27	21 14	20 59	2 0	25 42	2 23	5 28	2 1	19 45	0 7	23 27	0 6	5 40	2 20	8 21	0 46	9 57	1 44	3 41	14 31	23 2	22 54	22 54	3 21	2 36
T 28	21 25	22 32	0 58	25 46	2 23	5 46	2 5	19 55	0 7	23 26	0 6	5 42	2 20	8 21	0 46	9 58	1 44	3 41	14 31	23 3	22 55	22 54	3 21	2 36
W29	21 35	23 3	0s 7	25 49	2 23	6 5	2 9	20 5	0 8	23 26	0 6	5 44	2 20	8 21	0 46	9 58	1 44	3 40	14 31	23 3	22 55	22 54	3 20	2 36
T 30	21s45	22s32	1s11	25s50	2s22	6s23	2n13	20s15	0s 9	23s25	0s 6	5s46	2n21	8n20	0n46	9s59	1n44	3n40	14s31	23n 3	22n55	22s54	3n20	2n36

Julian Day Number = 2315979.5, Delta T = 58.90 sec
Ecliptic obliquity = 23°29'13, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'36, Lahiri = 18°40'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1628
geocentric

DECEMBER 1628 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 41 1	9♐22'54	5♒37	28♐52	22♎36	0♐20	6♑53	20♎22	10♍33	0♏22	19°R37	10♋52	12♋11	14♑ 4	2°R22	F 1
S 2	4 44 57	10°23'52	17°29	0♑10	23°36	1° 4	7° 6	20°27	10°34	0°24	19♉36	10°54	12° 8	14°11	2♈21	S 2
S 3	4 48 54	11°24'51	29°29	1°26	24°37	1°47	7°19	20°33	10°35	0°26	19°35	10°56	12° 5	14°17	2°21	S 3
M 4	4 52 50	12°25'51	11♓44	2°40	25°37	2°30	7°32	20°38	10°36	0°28	19°34	10°R56	12° 1	14°24	2°20	M 4
T 5	4 56 47	13°26'51	24°19	3°51	26°39	3°13	7°46	20°44	10°36	0°30	19°33	10°56	11°58	14°31	2°20	T 5
W 6	5 0 44	14°27'52	7♈17	4°59	27°40	3°56	7°59	20°49	10°37	0°31	19°32	10°54	11°55	14°37	2°19	W 6
T 7	5 4 40	15°28'54	20°42	6° 2	28°42	4°40	8°12	20°54	10°37	0°33	19°31	10°51	11°52	14°44	2°19	T 7
F 8	5 8 37	16°29'56	4♉35	7° 2	29°45	5°23	8°26	20°59	10°38	0°35	19°30	10°47	11°49	14°51	2°18	F 8
S 9	5 12 33	17°30'58	18°55	7°56	0♏47	6° 7	8°39	21° 5	10°38	0°36	19°29	10°44	11°46	14°57	2°18	S 9
S 10	5 16 30	18°32'01	3♊38	8°45	1°50	6°50	8°53	21°10	10°39	0°38	19°28	10°41	11°42	15° 4	2°18	S 10
M11	5 20 26	19°33'05	18°37	9°27	2°54	7°34	9° 6	21°15	10°39	0°40	19°27	10°39	11°39	15°11	2°18	M11
T 12	5 24 23	20°34'10	3♋45	10° 1	3°58	8°17	9°20	21°19	10°39	0°41	19°26	10°D38	11°36	15°17	2°18	T 12
W13	5 28 19	21°35'15	18°50	10°28	5° 2	9° 1	9°34	21°24	10°39	0°43	19°25	10°38	11°33	15°24	2°D18	W13
T 14	5 32 16	22°36'21	3♌46	10°45	6° 6	9°44	9°47	21°29	10°39	0°44	19°24	10°38	11°30	15°30	2°18	T 14
F 15	5 36 13	23°37'27	18°24	10°R52	7°11	10°28	10° 1	21°34	10°39	0°46	19°23	10°40	11°27	15°37	2°18	F 15
S 16	5 40 9	24°38'34	2♍41	10°48	8°16	11°12	10°15	21°38	10°R39	0°48	19°22	10°41	11°23	15°44	2°18	S 16
S 17	5 44 6	25°39'42	16°35	10°33	9°21	11°56	10°28	21°43	10°39	0°49	19°22	10°42	11°20	15°50	2°18	S 17
M18	5 48 2	26°40'51	0♎ 6	10° 6	10°27	12°40	10°42	21°47	10°39	0°50	19°21	10°R42	11°17	15°57	2°18	M18
T 19	5 51 59	27°42'00	13°15	9°28	11°33	13°23	10°56	21°52	10°39	0°52	19°20	10°41	11°14	16° 4	2°19	T 19
W20	5 55 55	28°43'10	26° 5	8°38	12°39	14° 7	11°10	21°56	10°39	0°53	19°19	10°40	11°11	16°10	2°19	W20
T 21	5 59 52	29°44'20	8♏39	7°38	13°45	14°51	11°24	22° 0	10°39	0°55	19°18	10°39	11° 7	16°17	2°20	T 21
F 22	6 3 48	0♑45'31	20°59	6°29	14°52	15°35	11°38	22° 4	10°38	0°56	19°17	10°37	11° 4	16°24	2°20	F 22
S 23	6 7 45	1°46'43	3♐ 9	5°13	15°59	16°20	11°51	22° 8	10°38	0°57	19°16	10°36	11° 1	16°30	2°21	S 23
S 24	6 11 42	2°47'55	15° 9	3°53	17° 6	17° 4	12° 5	22°12	10°37	0°59	19°16	10°35	10°58	16°37	2°21	S 24
M25	6 15 38	3°49'07	27° 3	2°31	18°13	17°48	12°19	22°16	10°37	1° 0	19°15	10°34	10°55	16°44	2°22	M25
T 26	6 19 35	4°50'19	8♑53	1°11	19°20	18°32	12°33	22°20	10°36	1° 1	19°14	10°D34	10°52	16°50	2°23	T 26
W27	6 23 31	5°51'31	20°40	29♐53	20°28	19°16	12°47	22°23	10°36	1° 2	19°13	10°34	10°48	16°57	2°23	W27
T 28	6 27 28	6°52'43	2♒27	28°42	21°36	20° 1	13° 1	22°27	10°35	1° 4	19°13	10°34	10°45	17° 3	2°24	T 28
F 29	6 31 24	7°53'55	14°17	27°38	22°44	20°45	13°15	22°30	10°34	1° 5	19°12	10°35	10°42	17°10	2°25	F 29
S 30	6 35 21	8°55'07	26°11	26°43	23°52	21°29	13°29	22°34	10°34	1° 6	19°11	10°35	10°39	17°17	2°26	S 30
S 31	6 39 18	9♑56'18	8♓15	25♐58	25♏ 1	22♐14	13♑43	22♎37	10♍33	1♏ 7	19♉11	10♋35	10♋36	17♑23	2♈27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s54	21s 2	2s12	25s50	2s21	6s42	2n16	20s25	0s 9	23s25	0s 6	5s48	2n21	8n20	0n46	10s 0	1n44	3n40	14s31	23n 2	22n56	22s55	3n19	2n35
S 2	22 3	18 36	3 8	25 48	2 19	7 1	2 20	20 34	0 10	23 24	0 6	5 50	2 21	8 20	0 46	10 0	1 44	3 40	14 31	23 2	22 56	22 55	3 19	2 35
S 3	22 12	15 21	3 56	25 45	2 16	7 20	2 23	20 44	0 10	23 23	0 6	5 52	2 21	8 20	0 46	10 1	1 45	3 40	14 31	23 2	22 56	22 55	3 18	2 35
M 4	22 20	11 24	4 35	25 40	2 13	7 40	2 26	20 53	0 11	23 23	0 7	5 54	2 21	8 19	0 46	10 1	1 45	3 40	14 31	23 2	22 57	22 55	3 18	2 35
T 5	22 28	6 53	5 2	25 34	2 8	7 59	2 29	21 2	0 12	23 22	0 7	5 55	2 22	8 19	0 46	10 2	1 45	3 40	14 30	23 2	22 57	22 55	3 17	2 35
W 6	22 35	1 55	5 14	25 27	2 3	8 19	2 31	21 11	0 12	23 21	0 7	5 57	2 22	8 19	0 46	10 3	1 45	3 40	14 30	23 2	22 57	22 55	3 17	2 34
T 7	22 42	3n18	5 10	25 18	1 57	8 38	2 34	21 20	0 13	23 21	0 7	5 59	2 22	8 19	0 46	10 3	1 45	3 39	14 30	23 3	22 57	22 56	3 17	2 34
F 8	22 48	8 33	4 48	25 8	1 50	8 58	2 36	21 28	0 14	23 20	0 7	6 1	2 22	8 19	0 46	10 4	1 45	3 39	14 30	23 3	22 58	22 56	3 16	2 34
S 9	22 54	13 30	4 8	24 56	1 42	9 18	2 38	21 36	0 14	23 19	0 7	6 2	2 22	8 19	0 47	10 4	1 45	3 39	14 30	23 3	22 58	22 56	3 16	2 34
S 10	22 59	17 48	3 10	24 44	1 32	9 38	2 40	21 44	0 15	23 18	0 7	6 4	2 23	8 19	0 47	10 5	1 45	3 39	14 30	23 3	22 58	22 56	3 16	2 33
M11	23 4	21 2	1 59	24 31	1 22	9 58	2 42	21 52	0 15	23 18	0 7	6 6	2 23	8 18	0 47	10 5	1 45	3 39	14 29	23 4	22 58	22 56	3 15	2 33
T 12	23 9	22 48	0 38	24 16	1 10	10 18	2 43	22 0	0 16	23 17	0 7	6 7	2 23	8 18	0 47	10 6	1 45	3 39	14 29	23 4	22 59	22 56	3 15	2 33
W13	23 13	22 54	0n45	24 1	0 57	10 38	2 45	22 7	0 17	23 16	0 7	6 9	2 23	8 18	0 47	10 6	1 45	3 39	14 29	23 4	22 59	22 56	3 15	2 33
T 14	23 17	21 22	2 5	23 45	0 42	10 58	2 46	22 14	0 17	23 15	0 7	6 11	2 23	8 18	0 47	10 7	1 45	3 39	14 29	23 4	22 59	22 57	3 15	2 33
F 15	23 20	18 25	3 14	23 29	0 27	11 18	2 47	22 21	0 18	23 14	0 8	6 12	2 24	8 18	0 47	10 7	1 45	3 39	14 29	23 3	23 0	22 57	3 15	2 32
S 16	23 23	14 25	4 10	23 13	0 10	11 38	2 48	22 28	0 19	23 13	0 8	6 14	2 24	8 18	0 47	10 8	1 45	3 39	14 28	23 3	23 0	22 57	3 15	2 32
S 17	23 25	9 45	4 50	22 56	0n 8	11 58	2 49	22 35	0 19	23 12	0 8	6 15	2 24	8 19	0 47	10 8	1 45	3 39	14 28	23 3	23 0	22 57	3 14	2 32
M18	23 27	4 43	5 12	22 39	0 27	12 18	2 50	22 41	0 20	23 11	0 8	6 17	2 24	8 19	0 47	10 9	1 45	3 39	14 28	23 3	23 0	22 57	3 14	2 32
T 19	23 28	0s23	5 17	22 23	0 46	12 38	2 50	22 47	0 20	23 10	0 8	6 18	2 25	8 19	0 47	10 9	1 45	3 39	14 28	23 3	23 1	22 57	3 14	2 32
W20	23 29	5 21	5 6	22 6	1 6	12 57	2 51	22 53	0 21	23 9	0 8	6 19	2 25	8 19	0 47	10 10	1 45	3 39	14 28	23 3	23 1	22 57	3 14	2 31
T 21	23 29	9 59	4 40	21 50	1 26	13 17	2 51	22 59	0 22	23 8	0 8	6 21	2 25	8 19	0 47	10 10	1 45	3 39	14 27	23 4	23 1	22 57	3 14	2 31
F 22	23 29	14 9	4 2	21 35	1 45	13 36	2 51	23 5	0 22	23 7	0 8	6 22	2 25	8 19	0 47	10 10	1 45	3 39	14 27	23 4	23 1	22 57	3 14	2 31
S 23	23 28	17 40	3 13	21 20	2 4	13 56	2 51	23 10	0 23	23 6	0 8	6 23	2 25	8 19	0 47	10 11	1 45	3 39	14 27	23 4	23 2	22 57	3 14	2 31
S 24	23 27	20 24	2 17	21 6	2 20	14 15	2 51	23 15	0 24	23 5	0 8	6 24	2 26	8 20	0 47	10 11	1 46	3 39	14 27	23 4	23 2	22 57	3 14	2 30
M25	23 26	22 13	1 14	20 53	2 35	14 34	2 50	23 20	0 24	23 3	0 8	6 26	2 26	8 20	0 47	10 12	1 46	3 39	14 26	23 4	23 2	22 57	3 14	2 30
T 26	23 24	23 2	0 9	20 41	2 48	14 52	2 50	23 24	0 25	23 2	0 9	6 27	2 26	8 20	0 47	10 12	1 46	3 39	14 26	23 4	23 3	22 57	3 14	2 30
W27	23 21	22 49	0s56	20 31	2 58	15 11	2 49	23 29	0 25	23 1	0 9	6 28	2 26	8 20	0 47	10 12	1 46	3 39	14 26	23 4	23 3	22 57	3 15	2 30
T 28	23 18	21 35	1 59	20 23	3 6	15 29	2 49	23 33	0 26	23 0	0 9	6 29	2 27	8 21	0 47	10 13	1 46	3 39	14 26	23 4	23 3	22 57	3 15	2 30
F 29	23 15	19 24	2 57	20 17	3 11	15 47	2 48	23 36	0 27	22 58	0 9	6 30	2 27	8 21	0 47	10 13	1 46	3 39	14 25	23 4	23 3	22 58	3 15	2 29
S 30	23 11	16 23	3 48	20 13	3 14	16 5	2 47	23 40	0 27	22 57	0 9	6 31	2 27	8 21	0 47	10 13	1 46	3 39	14 25	23 4	23 4	22 58	3 15	2 29
S 31	23s 7	12s39	4s29	20s11	3n15	16s22	2n46	23s43	0s28	22s56	0s 9	6s32	2n27	8n22	0n47	10s14	1n46	3n39	14s25	23n 4	23n 4	22s58	3n15	2n29

Julian Day Number = 2316009.5, Delta T = 58.83 sec
Ecliptic obliquity = 23°29'13, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'40, Lahiri = 18°40'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

JANUARY 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 43 14	10♑57'29	20♓30	25°R23	26♏ 9	22♐58	13♑57	22♎40	10°R32	1♏ 8	19°R10	10°R35	10♋33	17♑30	2♈28	M 1
T 2	6 47 11	11°58'40	3♈ 1	24♐57	27°18	23°43	14°11	22°43	10♍31	1° 9	19♉ 9	10♋35	10°29	17°37	2°29	T 2
W 3	6 51 7	12°59'50	15°53	24°42	28°27	24°27	14°25	22°46	10°30	1°10	19° 9	10°D35	10°26	17°43	2°30	W 3
T 4	6 55 4	14° 1'00	29° 8	24°D36	29°36	25°12	14°39	22°49	10°29	1°11	19° 8	10°35	10°23	17°50	2°32	T 4
F 5	6 59 0	15° 2'09	12♉49	24°39	0♐45	25°56	14°53	22°52	10°28	1°12	19° 8	10°35	10°20	17°57	2°33	F 5
S 6	7 2 57	16° 3'17	26°57	24°51	1°54	26°41	15° 7	22°55	10°27	1°13	19° 7	10°36	10°17	18° 3	2°34	S 6
S 7	7 6 53	17° 4'25	11♊31	25° 9	3° 4	27°26	15°21	22°57	10°26	1°14	19° 6	10°37	10°13	18°10	2°36	S 7
M 8	7 10 50	18° 5'33	26°26	25°35	4°13	28°11	15°35	23° 0	10°24	1°14	19° 6	10°37	10°10	18°17	2°37	M 8
T 9	7 14 47	19° 6'40	11♋36	26° 7	5°23	28°55	15°49	23° 2	10°23	1°15	19° 5	10°R37	10° 7	18°23	2°38	T 9
W10	7 18 43	20° 7'46	26°51	26°44	6°33	29°40	16° 3	23° 5	10°22	1°16	19° 5	10°37	10° 4	18°30	2°40	W10
T 11	7 22 40	21° 8'52	12♌ 2	27°26	7°43	0♑25	16°17	23° 7	10°20	1°17	19° 5	10°36	10° 1	18°37	2°42	T 11
F 12	7 26 36	22° 9'57	26°59	28°13	8°53	1°10	16°31	23° 9	10°19	1°17	19° 4	10°35	9°58	18°43	2°43	F 12
S 13	7 30 33	23°11'02	11♍35	29° 5	10° 3	1°55	16°45	23°11	10°17	1°18	19° 4	10°33	9°54	18°50	2°45	S 13
S 14	7 34 29	24°12'07	25°44	29°59	11°13	2°40	16°59	23°13	10°16	1°19	19° 3	10°32	9°51	18°56	2°47	S 14
M15	7 38 26	25°13'11	9♎26	0♑58	12°24	3°25	17°13	23°15	10°14	1°19	19° 3	10°30	9°48	19° 3	2°48	M15
T 16	7 42 22	26°14'15	22°40	1°59	13°34	4°10	17°27	23°16	10°13	1°20	19° 3	10°D30	9°45	19°10	2°50	T 16
W17	7 46 19	27°15'18	5♏30	3° 3	14°45	4°55	17°41	23°18	10°11	1°20	19° 2	10°30	9°42	19°16	2°52	W17
T 18	7 50 16	28°16'21	17°59	4° 9	15°56	5°40	17°55	23°19	10° 9	1°21	19° 2	10°31	9°39	19°23	2°54	T 18
F 19	7 54 12	29°17'23	0♐11	5°18	17° 7	6°25	18° 9	23°21	10° 8	1°21	19° 2	10°32	9°35	19°30	2°56	F 19
S 20	7 58 9	0♒18'25	12°12	6°28	18°17	7°11	18°23	23°22	10° 6	1°22	19° 1	10°34	9°32	19°36	2°58	S 20
S 21	8 2 5	1°19'26	24° 4	7°41	19°29	7°56	18°37	23°23	10° 4	1°22	19° 1	10°36	9°29	19°43	3° 0	S 21
M22	8 6 2	2°20'26	5♑52	8°55	20°40	8°41	18°51	23°24	10° 2	1°23	19° 1	10°R36	9°26	19°50	3° 2	M22
T 23	8 9 58	3°21'26	17°39	10°11	21°51	9°27	19° 5	23°25	10° 0	1°23	19° 1	10°36	9°23	19°56	3° 5	T 23
W24	8 13 55	4°22'24	29°26	11°28	23° 2	10°12	19°19	23°26	9°58	1°23	19° 0	10°35	9°19	20° 3	3° 7	W24
T 25	8 17 51	5°23'22	11♒18	12°47	24°13	10°57	19°32	23°27	9°56	1°23	19° 0	10°32	9°16	20°10	3° 9	T 25
F 26	8 21 48	6°24'19	23°14	14° 7	25°25	11°43	19°46	23°28	9°54	1°24	19° 0	10°28	9°13	20°16	3°11	F 26
S 27	8 25 45	7°25'14	5♓18	15°28	26°36	12°28	20° 0	23°28	9°52	1°24	19° 0	10°24	9°10	20°23	3°14	S 27
S 28	8 29 41	8°26'08	17°30	16°50	27°48	13°14	20°14	23°29	9°50	1°24	19° 0	10°19	9° 7	20°30	3°16	S 28
M29	8 33 38	9°27'01	29°53	18°13	28°59	13°59	20°27	23°29	9°48	1°24	19° 0	10°14	9° 4	20°36	3°19	M29
T 30	8 37 34	10°27'52	12♈30	19°38	0♑11	14°45	20°41	23°29	9°46	1°24	19° 0	10°10	9° 0	20°43	3°21	T 30
W31	8 41 31	11♒28'42	25♈21	21♑ 3	1♑23	15♑30	20♑55	23♎29	9♍44	1♏24	19♉ 0	10♋ 7	8♋57	20♑49	3♈23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 2	8s21	4s59	20s11	3n14	16s39	2n45	23s47	0s29	22s54	0s 9	6s33	2n28	8n22	0n48	10s14	1n46	3n39	14s25	23n 4	23n 4	22s58	3n15	2n29
T 2	22 57	3 37	5 15	20 13	3 11	16 56	2 44	23 49	0 29	22 53	0 9	6 34	2 28	8 22	0 48	10 14	1 46	3 40	14 24	23 4	23 4	22 58	3 16	2 29
W 3	22 51	1n23	5 17	20 16	3 7	17 13	2 42	23 52	0 30	22 52	0 9	6 35	2 28	8 23	0 48	10 15	1 46	3 40	14 24	23 4	23 5	22 58	3 16	2 28
T 4	22 45	6 29	5 2	20 22	3 1	17 29	2 41	23 54	0 30	22 50	0 9	6 36	2 28	8 23	0 48	10 15	1 46	3 40	14 24	23 4	23 5	22 58	3 16	2 28
F 5	22 38	11 26	4 29	20 28	2 55	17 45	2 39	23 57	0 31	22 49	0 10	6 36	2 29	8 24	0 48	10 15	1 46	3 40	14 24	23 4	23 5	22 58	3 17	2 28
S 6	22 31	15 57	3 40	20 36	2 47	18 1	2 38	23 58	0 32	22 47	0 10	6 37	2 29	8 24	0 48	10 15	1 46	3 40	14 23	23 4	23 5	22 58	3 17	2 28
S 7	22 24	19 39	2 35	20 45	2 39	18 16	2 36	24 0	0 32	22 46	0 10	6 38	2 29	8 25	0 48	10 16	1 46	3 40	14 23	23 4	23 6	22 57	3 17	2 28
M 8	22 16	22 8	1 18	20 54	2 30	18 30	2 34	24 1	0 33	22 44	0 10	6 39	2 29	8 25	0 48	10 16	1 46	3 40	14 23	23 4	23 6	22 57	3 18	2 27
T 9	22 7	23 4	0n 5	21 4	2 21	18 45	2 32	24 3	0 34	22 43	0 10	6 39	2 30	8 26	0 48	10 16	1 46	3 40	14 22	23 4	23 6	22 57	3 18	2 27
W10	21 58	22 17	1 29	21 15	2 12	18 59	2 30	24 3	0 34	22 41	0 10	6 40	2 30	8 26	0 48	10 16	1 46	3 41	14 22	23 4	23 6	22 57	3 19	2 27
T 11	21 49	19 52	2 46	21 25	2 3	19 12	2 28	24 4	0 35	22 40	0 10	6 40	2 30	8 27	0 48	10 17	1 47	3 41	14 22	23 4	23 6	22 57	3 19	2 27
F 12	21 40	16 8	3 50	21 36	1 53	19 25	2 26	24 4	0 35	22 38	0 10	6 41	2 31	8 27	0 48	10 17	1 47	3 41	14 22	23 4	23 7	22 57	3 19	2 27
S 13	21 29	11 31	4 38	21 46	1 43	19 38	2 24	24 4	0 36	22 36	0 10	6 41	2 31	8 28	0 48	10 17	1 47	3 41	14 21	23 4	23 7	22 57	3 20	2 26
S 14	21 19	6 23	5 7	21 56	1 33	19 50	2 21	24 4	0 37	22 35	0 10	6 42	2 31	8 28	0 48	10 17	1 47	3 41	14 21	23 4	23 7	22 57	3 20	2 26
M15	21 8	1 7	5 17	22 5	1 24	20 2	2 19	24 4	0 37	22 33	0 11	6 42	2 31	8 29	0 48	10 17	1 47	3 42	14 21	23 4	23 7	22 57	3 21	2 26
T 16	20 57	4s 2	5 10	22 14	1 14	20 13	2 16	24 3	0 38	22 31	0 11	6 43	2 32	8 30	0 48	10 17	1 47	3 42	14 20	23 4	23 8	22 57	3 22	2 26
W17	20 45	8 51	4 48	22 23	1 4	20 24	2 14	24 2	0 38	22 30	0 11	6 43	2 32	8 30	0 48	10 18	1 47	3 42	14 20	23 4	23 8	22 57	3 22	2 26
T 18	20 33	13 11	4 12	22 30	0 55	20 34	2 11	24 1	0 39	22 28	0 11	6 43	2 32	8 31	0 48	10 18	1 47	3 42	14 20	23 4	23 8	22 57	3 23	2 25
F 19	20 20	16 53	3 26	22 37	0 45	20 44	2 9	24 0	0 40	22 26	0 11	6 44	2 32	8 32	0 48	10 18	1 47	3 42	14 19	23 4	23 8	22 57	3 23	2 25
S 20	20 8	19 48	2 31	22 44	0 36	20 53	2 6	23 58	0 40	22 24	0 11	6 44	2 33	8 32	0 48	10 18	1 47	3 43	14 19	23 4	23 9	22 57	3 24	2 25
S 21	19 54	21 51	1 30	22 49	0 27	21 2	2 3	23 56	0 41	22 22	0 11	6 44	2 33	8 33	0 48	10 18	1 47	3 43	14 19	23 4	23 9	22 57	3 25	2 25
M22	19 41	22 55	0 26	22 53	0 18	21 10	2 0	23 54	0 42	22 21	0 11	6 44	2 33	8 34	0 48	10 18	1 47	3 43	14 18	23 4	23 9	22 56	3 25	2 25
T 23	19 27	22 58	0s39	22 56	0 9	21 17	1 57	23 51	0 42	22 19	0 11	6 44	2 34	8 35	0 48	10 18	1 47	3 43	14 18	23 4	23 9	22 56	3 26	2 24
W24	19 12	21 58	1 42	22 59	0 1	21 24	1 54	23 48	0 43	22 17	0 11	6 44	2 34	8 35	0 48	10 18	1 47	3 44	14 18	23 4	23 10	22 56	3 27	2 24
T 25	18 58	20 0	2 41	23 0	0s 7	21 31	1 51	23 45	0 43	22 15	0 12	6 44	2 34	8 36	0 48	10 18	1 47	3 44	14 18	23 4	23 10	22 56	3 27	2 24
F 26	18 43	17 9	3 33	23 0	0 16	21 36	1 48	23 42	0 44	22 13	0 12	6 44	2 34	8 37	0 48	10 18	1 47	3 44	14 17	23 4	23 10	22 56	3 28	2 24
S 27	18 27	13 34	4 17	22 59	0 23	21 42	1 45	23 38	0 45	22 11	0 12	6 44	2 35	8 38	0 48	10 18	1 48	3 44	14 17	23 5	23 10	22 56	3 29	2 24
S 28	18 11	9 23	4 49	22 56	0 31	21 46	1 42	23 35	0 45	22 9	0 12	6 44	2 35	8 39	0 48	10 18	1 48	3 45	14 17	23 5	23 10	22 56	3 30	2 24
M29	17 55	4 45	5 8	22 53	0 39	21 50	1 39	23 31	0 46	22 7	0 12	6 44	2 35	8 39	0 48	10 18	1 48	3 45	14 16	23 6	23 11	22 55	3 31	2 23
T 30	17 39	0n 9	5 13	22 48	0 46	21 54	1 35	23 26	0 46	22 5	0 12	6 44	2 35	8 40	0 49	10 18	1 48	3 45	14 16	23 6	23 11	22 55	3 31	2 23
W31	17s22	5n 8	5s 2	22s42	0s53	21s57	1n32	23s22	0s47	22s 3	0s12	6s44	2n36	8n41	0n49	10s18	1n48	3n46	14s16	23n 6	23n11	22s55	3n32	2n23

Julian Day Number = 2316040.5, Delta T = 58.76 sec
Ecliptic obliquity = 23°29'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'44, Lahiri = 18°40'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

FEBRUARY 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 45 27	12♒29'31	8♉31	22♑29	2♑35	16♑16	21♑ 8	23°R29	9°R41	1°R24	19°D 0	10°D 6	8♋54	20♑56	3♈26	T 1
F 2	8 49 24	13°30'17	22° 2	23°57	3°47	17° 2	21°22	23♎29	9♏39	1♏24	19♉ 0	10♋ 6	8°51	21° 3	3°29	F 2
S 3	8 53 20	14°31'03	5♊54	25°25	4°58	17°47	21°35	23°29	9°37	1°24	19° 0	10° 7	8°48	21° 9	3°31	S 3
S 4	8 57 17	15°31'47	20°10	26°54	6°10	18°33	21°49	23°29	9°35	1°24	19° 0	10° 9	8°45	21°16	3°34	S 4
M 5	9 1 14	16°32'29	4♋47	28°24	7°22	19°19	22° 2	23°29	9°32	1°24	19° 0	10°R10	8°41	21°23	3°37	M 5
T 6	9 5 10	17°33'10	19°41	29°55	8°34	20° 4	22°16	23°28	9°30	1°24	19° 0	10°10	8°38	21°29	3°39	T 6
W 7	9 9 7	18°33'49	4♌46	1♒27	9°47	20°50	22°29	23°27	9°28	1°24	19° 0	10° 8	8°35	21°36	3°42	W 7
T 8	9 13 3	19°34'26	19°54	2°59	10°59	21°36	22°42	23°27	9°25	1°23	19° 0	10° 4	8°32	21°43	3°45	T 8
F 9	9 17 0	20°35'02	4♍54	4°33	12°11	22°22	22°56	23°26	9°23	1°23	19° 0	9°58	8°29	21°49	3°48	F 9
S 10	9 20 56	21°35'36	19°38	6° 7	13°23	23° 8	23° 9	23°25	9°20	1°23	19° 0	9°51	8°25	21°56	3°51	S 10
S 11	9 24 53	22°36'09	3♎58	7°43	14°35	23°54	23°22	23°24	9°18	1°23	19° 1	9°45	8°22	22° 3	3°54	S 11
M12	9 28 49	23°36'41	17°50	9°19	15°48	24°40	23°35	23°23	9°15	1°22	19° 1	9°39	8°19	22° 9	3°57	M12
T 13	9 32 46	24°37'12	1♏13	10°56	17° 0	25°26	23°48	23°22	9°13	1°22	19° 1	9°34	8°16	22°16	4° 0	T 13
W14	9 36 43	25°37'41	14° 9	12°34	18°13	26°12	24° 1	23°20	9°10	1°21	19° 1	9°32	8°13	22°23	4° 3	W14
T 15	9 40 39	26°38'09	26°41	14°13	19°25	26°58	24°14	23°19	9° 8	1°21	19° 2	9°D31	8°10	22°29	4° 6	T 15
F 16	9 44 36	27°38'35	8♐53	15°53	20°38	27°44	24°27	23°17	9° 5	1°20	19° 2	9°31	8° 6	22°36	4° 9	F 16
S 17	9 48 32	28°39'00	20°52	17°34	21°50	28°30	24°40	23°16	9° 3	1°20	19° 2	9°33	8° 3	22°43	4°12	S 17
S 18	9 52 29	29°39'24	2♑42	19°15	23° 3	29°16	24°53	23°14	9° 0	1°19	19° 3	9°34	8° 0	22°49	4°15	S 18
M19	9 56 25	0♓39'46	14°28	20°58	24°15	0♒ 2	25° 5	23°12	8°58	1°19	19° 3	9°R34	7°57	22°56	4°18	M19
T 20	10 0 22	1°40'07	26°14	22°42	25°28	0°48	25°18	23°10	8°55	1°18	19° 3	9°32	7°54	23° 2	4°21	T 20
W21	10 4 18	2°40'26	8♒ 5	24°27	26°41	1°34	25°31	23° 8	8°52	1°18	19° 4	9°28	7°50	23° 9	4°25	W21
T 22	10 8 15	3°40'44	20° 2	26°12	27°53	2°20	25°43	23° 6	8°50	1°17	19° 4	9°22	7°47	23°16	4°28	T 22
F 23	10 12 12	4°40'59	2♓ 9	27°59	29° 6	3° 7	25°56	23° 4	8°47	1°16	19° 5	9°13	7°44	23°22	4°31	F 23
S 24	10 16 8	5°41'13	14°26	29°47	0♒19	3°53	26° 8	23° 2	8°45	1°15	19° 5	9° 2	7°41	23°29	4°34	S 24
S 25	10 20 5	6°41'25	26°54	1♓36	1°32	4°39	26°21	22°59	8°42	1°15	19° 6	8°51	7°38	23°36	4°38	S 25
M26	10 24 1	7°41'35	9♈33	3°26	2°45	5°25	26°33	22°57	8°39	1°14	19° 6	8°41	7°35	23°42	4°41	M26
T 27	10 27 58	8°41'43	22°24	5°17	3°57	6°12	26°45	22°54	8°37	1°13	19° 7	8°31	7°31	23°49	4°45	T 27
W28	10 31 54	9♓41'49	5♉27	7♓ 9	5♒10	6♒58	26♑57	22♎51	8♏34	1♏12	19♉ 7	8♋24	7♋28	23♑56	4♈48	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 5	10n 1	4s36	22s35	0s59	21s59	1n29	23s17	0s48	22s 1	0s12	6s43	2n36	8n42	0n49	10s18	1n48	3n46	14s15	23n 6	23n11	22s55	3n33	2n23
F 2	16 48	14 33	3 53	22 26	1 6	22 0	1 26	23 12	0 48	21 59	0 12	6 43	2 36	8 43	0 49	10 18	1 48	3 46	14 15	23 6	23 11	22 55	3 34	2 23
S 3	16 31	18 26	2 56	22 17	1 12	22 1	1 22	23 6	0 49	21 57	0 13	6 43	2 37	8 44	0 49	10 18	1 48	3 47	14 15	23 6	23 12	22 55	3 35	2 22
S 4	16 13	21 20	1 47	22 5	1 18	22 2	1 19	23 1	0 49	21 55	0 13	6 43	2 37	8 45	0 49	10 18	1 48	3 47	14 14	23 6	23 12	22 54	3 36	2 22
M 5	15 55	22 55	0 29	21 53	1 23	22 1	1 16	22 55	0 50	21 53	0 13	6 42	2 37	8 46	0 49	10 18	1 48	3 47	14 14	23 6	23 12	22 54	3 37	2 22
T 6	15 36	22 54	0n52	21 39	1 29	22 0	1 12	22 49	0 50	21 51	0 13	6 42	2 37	8 46	0 49	10 18	1 48	3 48	14 14	23 6	23 12	22 54	3 38	2 22
W 7	15 18	21 13	2 10	21 24	1 34	21 59	1 9	22 42	0 51	21 49	0 13	6 41	2 38	8 47	0 49	10 17	1 48	3 48	14 13	23 6	23 13	22 54	3 39	2 22
T 8	14 59	18 2	3 19	21 7	1 38	21 57	1 5	22 36	0 52	21 47	0 13	6 41	2 38	8 48	0 49	10 17	1 48	3 48	14 13	23 6	23 13	22 54	3 40	2 22
F 9	14 39	13 40	4 14	20 49	1 43	21 54	1 2	22 29	0 52	21 45	0 13	6 40	2 38	8 49	0 49	10 17	1 48	3 49	14 13	23 7	23 13	22 53	3 41	2 22
S 10	14 20	8 34	4 51	20 30	1 47	21 51	0 59	22 22	0 53	21 43	0 13	6 40	2 38	8 50	0 49	10 17	1 48	3 49	14 12	23 7	23 13	22 53	3 42	2 21
S 11	14 0	3 8	5 8	20 9	1 50	21 46	0 55	22 15	0 53	21 41	0 13	6 39	2 39	8 51	0 49	10 17	1 48	3 49	14 12	23 8	23 13	22 53	3 43	2 21
M12	13 41	2s17	5 7	19 47	1 54	21 42	0 52	22 7	0 54	21 39	0 14	6 38	2 39	8 52	0 49	10 17	1 49	3 50	14 12	23 8	23 14	22 53	3 44	2 21
T 13	13 20	7 25	4 48	19 24	1 57	21 36	0 48	21 59	0 54	21 37	0 14	6 38	2 39	8 53	0 49	10 16	1 49	3 50	14 11	23 8	23 14	22 52	3 45	2 21
W14	13 0	12 3	4 15	18 59	1 59	21 30	0 45	21 51	0 55	21 34	0 14	6 37	2 39	8 54	0 49	10 16	1 49	3 50	14 11	23 9	23 14	22 52	3 46	2 21
T 15	12 40	16 2	3 31	18 32	2 2	21 24	0 41	21 43	0 55	21 32	0 14	6 36	2 40	8 55	0 49	10 16	1 49	3 51	14 11	23 9	23 14	22 52	3 47	2 21
F 16	12 19	19 13	2 38	18 4	2 4	21 17	0 38	21 34	0 56	21 30	0 14	6 35	2 40	8 56	0 49	10 16	1 49	3 51	14 10	23 9	23 14	22 52	3 48	2 20
S 17	11 58	21 31	1 39	17 35	2 5	21 9	0 34	21 26	0 57	21 28	0 14	6 35	2 40	8 57	0 49	10 16	1 49	3 52	14 10	23 9	23 15	22 51	3 49	2 20
S 18	11 37	22 51	0 37	17 4	2 6	21 0	0 31	21 17	0 57	21 26	0 14	6 34	2 40	8 58	0 49	10 15	1 49	3 52	14 10	23 8	23 15	22 51	3 50	2 20
M19	11 16	23 8	0s26	16 32	2 7	20 51	0 28	21 7	0 58	21 24	0 14	6 33	2 41	8 59	0 49	10 15	1 49	3 52	14 9	23 8	23 15	22 51	3 51	2 20
T 20	10 54	22 24	1 29	15 59	2 7	20 42	0 24	20 58	0 58	21 21	0 14	6 32	2 41	9 0	0 49	10 15	1 49	3 53	14 9	23 9	23 15	22 51	3 52	2 20
W21	10 33	20 39	2 27	15 24	2 7	20 31	0 21	20 48	0 59	21 19	0 15	6 31	2 41	9 1	0 49	10 15	1 49	3 53	14 9	23 9	23 15	22 50	3 54	2 20
T 22	10 11	17 59	3 20	14 47	2 7	20 20	0 17	20 38	0 59	21 17	0 15	6 30	2 41	9 2	0 49	10 14	1 49	3 54	14 9	23 9	23 15	22 50	3 55	2 20
F 23	9 49	14 31	4 4	14 10	2 5	20 9	0 14	20 28	1 0	21 15	0 15	6 29	2 42	9 3	0 49	10 14	1 49	3 54	14 8	23 10	23 16	22 50	3 56	2 20
S 24	9 27	10 24	4 37	13 30	2 4	19 57	0 11	20 18	1 0	21 13	0 15	6 28	2 42	9 4	0 49	10 14	1 49	3 54	14 8	23 11	23 16	22 49	3 57	2 19
S 25	9 4	5 47	4 58	12 50	2 2	19 44	0 7	20 7	1 1	21 10	0 15	6 27	2 42	9 5	0 49	10 13	1 49	3 55	14 8	23 11	23 16	22 49	3 58	2 19
M26	8 42	0 52	5 4	12 7	2 0	19 31	0 4	19 56	1 1	21 8	0 15	6 26	2 42	9 6	0 49	10 13	1 49	3 55	14 7	23 12	23 16	22 49	4 0	2 19
T 27	8 20	4n 9	4 56	11 24	1 57	19 17	0 1	19 46	1 2	21 6	0 15	6 24	2 43	9 7	0 49	10 13	1 49	3 56	14 7	23 13	23 16	22 49	4 1	2 19
W28	7s57	9n 6	4s32	10s39	1s53	19s 3	0s 2	19s34	1s 2	21s 4	0s16	6s23	2n43	9n 8	0n49	10s12	1n49	3n56	14s 7	23n13	23n17	22s48	4n 2	2n19

Julian Day Number = 2316071.5, Delta T = 58.69 sec
Ecliptic obliquity = 23°29'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'48, Lahiri = 18°40'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

MARCH 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 51	10♓41'53	18♉43	9♓ 2	6♒23	7♒44	27♑ 9	22°R49	8°R31	1°R11	19♉ 8	8°R19	7♋25	24♑ 2	4♈51	T 1
F 2	10 39 47	11°41'55	2♊13	10°56	7°36	8°30	27°21	22♎46	8♍29	1♏10	19° 8	8♋17	7°22	24° 9	4°55	F 2
S 3	10 43 44	12°41'54	15°58	12°50	8°49	9°17	27°33	22°43	8°26	1°10	19° 9	8°D17	7°19	24°16	4°58	S 3
S 4	10 47 41	13°41'52	29°59	14°46	10° 2	10° 3	27°45	22°40	8°24	1° 9	19°10	8°17	7°16	24°22	5° 2	S 4
M 5	10 51 37	14°41'47	14♋17	16°43	11°15	10°50	27°57	22°37	8°21	1° 8	19°10	8°R17	7°12	24°29	5° 5	M 5
T 6	10 55 34	15°41'40	28°48	18°40	12°28	11°36	28° 8	22°34	8°18	1° 7	19°11	8°16	7° 9	24°36	5° 9	T 6
W 7	10 59 30	16°41'30	13♌30	20°38	13°41	12°22	28°20	22°31	8°16	1° 6	19°12	8°12	7° 6	24°42	5°12	W 7
T 8	11 3 27	17°41'19	28°18	22°37	14°54	13° 9	28°32	22°27	8°13	1° 5	19°12	8° 5	7° 3	24°49	5°16	T 8
F 9	11 7 23	18°41'05	13♍ 2	24°35	16° 7	13°55	28°43	22°24	8°11	1° 3	19°13	7°55	7° 0	24°56	5°19	F 9
S 10	11 11 20	19°40'49	27°36	26°34	17°20	14°41	28°54	22°20	8° 8	1° 2	19°14	7°45	6°56	25° 2	5°23	S 10
S 11	11 15 16	20°40'32	11♎52	28°33	18°33	15°28	29° 6	22°17	8° 6	1° 1	19°15	7°33	6°53	25° 9	5°26	S 11
M12	11 19 13	21°40'12	25°44	0♈32	19°46	16°14	29°17	22°13	8° 3	1° 0	19°16	7°23	6°50	25°15	5°30	M12
T 13	11 23 9	22°39'50	9♏10	2°30	20°59	17° 1	29°28	22°10	8° 1	0°59	19°16	7°14	6°47	25°22	5°34	T 13
W14	11 27 6	23°39'27	22°10	4°27	22°12	17°47	29°39	22° 6	7°58	0°58	19°17	7° 8	6°44	25°29	5°37	W14
T 15	11 31 3	24°39'02	4♐46	6°23	23°25	18°34	29°50	22° 2	7°56	0°56	19°18	7° 4	6°41	25°35	5°41	T 15
F 16	11 34 59	25°38'35	17° 1	8°17	24°38	19°20	0♒ 0	21°58	7°53	0°55	19°19	7° 2	6°37	25°42	5°44	F 16
S 17	11 38 56	26°38'07	29° 2	10° 9	25°52	20° 7	0°11	21°55	7°51	0°54	19°20	7°D 2	6°34	25°49	5°48	S 17
S 18	11 42 52	27°37'37	10♑53	11°58	27° 5	20°53	0°22	21°51	7°48	0°53	19°21	7°R 2	6°31	25°55	5°52	S 18
M19	11 46 49	28°37'04	22°40	13°45	28°18	21°40	0°32	21°47	7°46	0°51	19°21	7° 1	6°28	26° 2	5°55	M19
T 20	11 50 45	29°36'31	4♒29	15°28	29°31	22°26	0°42	21°43	7°43	0°50	19°22	6°59	6°25	26° 9	5°59	T 20
W21	11 54 42	0♈35'55	16°23	17° 7	0♓44	23°13	0°53	21°38	7°41	0°49	19°23	6°53	6°22	26°15	6° 3	W21
T 22	11 58 38	1°35'17	28°27	18°43	1°57	23°59	1° 3	21°34	7°39	0°47	19°24	6°45	6°18	26°22	6° 6	T 22
F 23	12 2 35	2°34'37	10♓44	20°13	3°11	24°46	1°13	21°30	7°36	0°46	19°25	6°34	6°15	26°29	6°10	F 23
S 24	12 6 32	3°33'56	23°15	21°39	4°24	25°32	1°23	21°26	7°34	0°45	19°26	6°22	6°12	26°35	6°14	S 24
S 25	12 10 28	4°33'12	6♈ 0	22°59	5°37	26°19	1°33	21°22	7°32	0°43	19°27	6° 8	6° 9	26°42	6°17	S 25
M26	12 14 25	5°32'26	18°59	24°14	6°50	27° 5	1°42	21°17	7°30	0°42	19°28	5°55	6° 6	26°49	6°21	M26
T 27	12 18 21	6°31'38	2♉12	25°23	8° 4	27°52	1°52	21°13	7°27	0°40	19°29	5°43	6° 2	26°55	6°25	T 27
W28	12 22 18	7°30'48	15°36	26°25	9°17	28°38	2° 2	21° 9	7°25	0°39	19°30	5°34	5°59	27° 2	6°28	W28
T 29	12 26 14	8°29'56	29° 9	27°22	10°30	29°25	2°11	21° 4	7°23	0°37	19°31	5°27	5°56	27° 9	6°32	T 29
F 30	12 30 11	9°29'01	12♊52	28°12	11°43	0♓11	2°20	21° 0	7°21	0°36	19°32	5°24	5°53	27°15	6°36	F 30
S 31	12 34 7	10♈28'05	26♊43	28♈55	12♓57	0♓58	2♒29	20♎55	7♍19	0♏34	19♉33	5♋23	5♋50	27♑22	6♈39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s34	13n42	3s53	9s53	1s49	18s48	0s 5	19s23	1s 3	21s 2	0s16	6s22	2n43	9n 9	0n49	10s12	1n49	3n57	14s 6	23n14	23n17	22s48	4n 3	2n19
F 2	7 11	17 42	3 0	9 6	1 44	18 33	0 9	19 11	1 3	20 59	0 16	6 21	2 43	9 10	0 49	10 12	1 50	3 57	14 6	23 14	23 17	22 48	4 5	2 19
S 3	6 48	20 49	1 56	8 17	1 39	18 17	0 12	19 0	1 4	20 57	0 16	6 20	2 43	9 11	0 49	10 11	1 50	3 57	14 6	23 14	23 17	22 47	4 6	2 19
S 4	6 25	22 45	0 44	7 27	1 34	18 0	0 15	18 48	1 4	20 55	0 16	6 18	2 44	9 12	0 49	10 11	1 50	3 58	14 5	23 14	23 17	22 47	4 7	2 18
M 5	6 2	23 15	0n32	6 36	1 27	17 43	0 18	18 35	1 5	20 53	0 16	6 17	2 44	9 13	0 49	10 11	1 50	3 58	14 5	23 14	23 17	22 46	4 8	2 18
T 6	5 39	22 11	1 47	5 43	1 20	17 26	0 21	18 23	1 5	20 50	0 16	6 16	2 44	9 14	0 49	10 10	1 50	3 59	14 5	23 14	23 18	22 46	4 10	2 18
W 7	5 16	19 36	2 56	4 50	1 13	17 8	0 24	18 10	1 6	20 48	0 16	6 14	2 44	9 15	0 49	10 10	1 50	3 59	14 5	23 14	23 18	22 46	4 11	2 18
T 8	4 52	15 44	3 53	3 56	1 5	16 49	0 27	17 58	1 6	20 46	0 17	6 13	2 44	9 16	0 49	10 9	1 50	4 0	14 4	23 14	23 18	22 45	4 12	2 18
F 9	4 29	10 54	4 34	3 1	0 57	16 30	0 29	17 45	1 6	20 44	0 17	6 11	2 44	9 16	0 49	10 9	1 50	4 0	14 4	23 15	23 18	22 45	4 14	2 18
S 10	4 6	5 30	4 57	2 5	0 47	16 11	0 32	17 32	1 7	20 42	0 17	6 10	2 45	9 17	0 49	10 8	1 50	4 1	14 4	23 16	23 18	22 45	4 15	2 18
S 11	3 42	0s 5	5 1	1 9	0 38	15 51	0 35	17 18	1 7	20 39	0 17	6 9	2 45	9 18	0 49	10 8	1 50	4 1	14 3	23 16	23 18	22 44	4 16	2 18
M12	3 19	5 31	4 47	0 13	0 28	15 31	0 38	17 5	1 8	20 37	0 17	6 7	2 45	9 19	0 49	10 8	1 50	4 2	14 3	23 17	23 19	22 44	4 18	2 18
T 13	2 55	10 31	4 17	0n44	0 17	15 10	0 40	16 51	1 8	20 35	0 17	6 6	2 45	9 20	0 49	10 7	1 50	4 2	14 3	23 17	23 19	22 43	4 19	2 17
W14	2 31	14 54	3 34	1 41	0 6	14 49	0 43	16 37	1 9	20 33	0 17	6 4	2 45	9 21	0 49	10 7	1 50	4 3	14 3	23 18	23 19	22 43	4 20	2 17
T 15	2 8	18 28	2 42	2 37	0n 5	14 27	0 46	16 23	1 9	20 31	0 18	6 2	2 45	9 22	0 49	10 6	1 50	4 3	14 2	23 18	23 19	22 43	4 22	2 17
F 16	1 44	21 8	1 44	3 33	0 17	14 5	0 48	16 9	1 10	20 29	0 18	6 1	2 46	9 23	0 49	10 6	1 50	4 3	14 2	23 18	23 19	22 42	4 23	2 17
S 17	1 20	22 47	0 42	4 28	0 29	13 43	0 51	15 55	1 10	20 27	0 18	5 59	2 46	9 24	0 49	10 5	1 50	4 4	14 2	23 18	23 19	22 42	4 24	2 17
S 18	0 57	23 23	0s20	5 23	0 41	13 20	0 53	15 40	1 10	20 24	0 18	5 58	2 46	9 25	0 49	10 5	1 50	4 4	14 2	23 18	23 20	22 41	4 26	2 17
M19	0 33	22 55	1 22	6 16	0 54	12 57	0 55	15 26	1 11	20 22	0 18	5 56	2 46	9 26	0 49	10 4	1 50	4 5	14 1	23 18	23 20	22 41	4 27	2 17
T 20	0 9	21 27	2 20	7 7	1 6	12 34	0 58	15 11	1 11	20 20	0 18	5 55	2 46	9 27	0 49	10 4	1 50	4 5	14 1	23 18	23 20	22 40	4 28	2 17
W21	0n14	19 1	3 12	7 57	1 18	12 10	1 0	14 56	1 12	20 18	0 18	5 53	2 46	9 27	0 49	10 3	1 50	4 6	14 1	23 18	23 20	22 40	4 30	2 17
T 22	0 38	15 44	3 57	8 44	1 30	11 46	1 2	14 41	1 12	20 16	0 19	5 51	2 46	9 28	0 49	10 3	1 50	4 6	14 1	23 19	23 20	22 39	4 31	2 17
F 23	1 2	11 44	4 31	9 30	1 42	11 21	1 4	14 26	1 12	20 14	0 19	5 50	2 47	9 29	0 49	10 2	1 50	4 7	14 0	23 19	23 20	22 39	4 33	2 17
S 24	1 25	7 10	4 52	10 13	1 54	10 57	1 6	14 10	1 13	20 12	0 19	5 48	2 47	9 30	0 49	10 2	1 50	4 7	14 0	23 20	23 21	22 39	4 34	2 17
S 25	1 49	2 12	5 0	10 53	2 5	10 31	1 8	13 55	1 13	20 10	0 19	5 46	2 47	9 31	0 49	10 1	1 51	4 8	14 0	23 21	23 21	22 38	4 35	2 16
M26	2 12	2n56	4 52	11 31	2 15	10 6	1 10	13 39	1 13	20 8	0 19	5 44	2 47	9 32	0 49	10 1	1 51	4 8	14 0	23 21	23 21	22 38	4 37	2 16
T 27	2 36	8 3	4 29	12 5	2 25	9 40	1 12	13 24	1 14	20 6	0 19	5 43	2 47	9 32	0 49	10 0	1 51	4 9	13 59	23 22	23 21	22 37	4 38	2 16
W28	2 59	12 52	3 51	12 37	2 34	9 14	1 14	13 8	1 14	20 4	0 20	5 41	2 47	9 33	0 49	10 0	1 51	4 9	13 59	23 22	23 21	22 37	4 40	2 16
T 29	3 23	17 6	2 59	13 5	2 42	8 48	1 15	12 52	1 14	20 2	0 20	5 39	2 47	9 34	0 49	9 59	1 51	4 10	13 59	23 22	23 21	22 36	4 41	2 16
F 30	3 46	20 28	1 56	13 30	2 50	8 22	1 17	12 36	1 15	20 0	0 20	5 38	2 47	9 35	0 49	9 59	1 51	4 10	13 59	23 23	23 21	22 36	4 42	2 16
S 31	4n 9	22n41	0s46	13n51	2n56	7s55	1s18	12s19	1s15	19s58	0s20	5s36	2n47	9n36	0n48	9s58	1n51	4n11	13s59	23n23	23n22	22s35	4n44	2n16

Julian Day Number = 2316099.5, Delta T = 58.63 sec
Ecliptic obliquity = 23°29'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'52, Lahiri = 18°40'52Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1629
geocentric

APRIL 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 38 4	11♈27'06	10♋42	29♈31	14♓10	1♓44	2♒38	20°R51	7°R17	0°R33	19♉35	5°R23	5♋47	27♑29	6♈43	S 1
M 2	12 42 1	12°26'04	24°49	0♉ 1	15°23	2°31	2°47	20♎46	7♏15	0♏31	19°36	5♋22	5°43	27°35	6°47	M 2
T 3	12 45 57	13°25'00	9♌ 3	0°24	16°36	3°17	2°56	20°42	7°13	0°30	19°37	5°21	5°40	27°42	6°50	T 3
W 4	12 49 54	14°23'54	23°22	0°40	17°50	4° 4	3° 5	20°37	7°11	0°28	19°38	5°16	5°37	27°49	6°54	W 4
T 5	12 53 50	15°22'45	7♏43	0°49	19° 3	4°50	3°13	20°33	7° 9	0°27	19°39	5° 9	5°34	27°55	6°58	T 5
F 6	12 57 47	16°21'34	22° 2	0°R52	20°16	5°37	3°21	20°28	7° 7	0°25	19°40	5° 0	5°31	28° 2	7° 1	F 6
S 7	13 1 43	17°20'21	6♎12	0°49	21°30	6°23	3°30	20°23	7° 5	0°23	19°41	4°49	5°27	28° 8	7° 5	S 7
S 8	13 5 40	18°19'06	20° 8	0°39	22°43	7° 9	3°38	20°19	7° 4	0°22	19°43	4°37	5°24	28°15	7° 8	S 8
M 9	13 9 36	19°17'49	3♏47	0°23	23°56	7°56	3°46	20°14	7° 2	0°20	19°44	4°26	5°21	28°22	7°12	M 9
T 10	13 13 33	20°16'30	17° 5	0° 2	25° 9	8°42	3°53	20°10	7° 0	0°19	19°45	4°16	5°18	28°28	7°16	T 10
W11	13 17 30	21°15'10	0♐ 0	29♈37	26°23	9°29	4° 1	20° 5	6°59	0°17	19°46	4° 9	5°15	28°35	7°19	W11
T 12	13 21 26	22°13'47	12°35	29° 7	27°36	10°15	4° 9	20° 0	6°57	0°15	19°47	4° 5	5°12	28°42	7°23	T 12
F 13	13 25 23	23°12'23	24°51	28°33	28°49	11° 1	4°16	19°56	6°55	0°14	19°49	4° 3	5° 8	28°48	7°26	F 13
S 14	13 29 19	24°10'57	6♑54	27°56	0♈ 3	11°48	4°23	19°51	6°54	0°12	19°50	4°D 3	5° 5	28°55	7°30	S 14
S 15	13 33 16	25° 9'29	18°46	27°17	1°16	12°34	4°30	19°47	6°52	0°11	19°51	4° 3	5° 2	29° 2	7°34	S 15
M16	13 37 12	26° 8'00	0♒35	26°36	2°29	13°21	4°37	19°42	6°51	0° 9	19°52	4°R 3	4°59	29° 8	7°37	M16
T 17	13 41 9	27° 6'29	12°26	25°54	3°43	14° 7	4°44	19°38	6°49	0° 7	19°54	4° 2	4°56	29°15	7°41	T 17
W18	13 45 5	28° 4'57	24°23	25°13	4°56	14°53	4°51	19°33	6°48	0° 6	19°55	3°59	4°53	29°22	7°44	W18
T 19	13 49 2	29° 3'22	6♓31	24°32	6° 9	15°39	4°57	19°28	6°47	0° 4	19°56	3°53	4°49	29°28	7°48	T 19
F 20	13 52 58	0♉ 1'46	18°55	23°53	7°23	16°26	5° 4	19°24	6°46	0° 2	19°57	3°45	4°46	29°35	7°51	F 20
S 21	13 56 55	1° 0'08	1♈36	23°15	8°36	17°12	5°10	19°20	6°44	0° 1	19°59	3°35	4°43	29°42	7°55	S 21
S 22	14 0 52	1°58'29	14°36	22°41	9°49	17°58	5°16	19°15	6°43	29♎59	20° 0	3°25	4°40	29°48	7°58	S 22
M23	14 4 48	2°56'48	27°54	22° 9	11° 3	18°44	5°22	19°11	6°42	29°57	20° 1	3°14	4°37	29°55	8° 1	M23
T 24	14 8 45	3°55'05	11♉29	21°42	12°16	19°31	5°28	19° 6	6°41	29°56	20° 2	3° 5	4°33	0♒ 2	8° 5	T 24
W25	14 12 41	4°53'20	25°17	21°18	13°29	20°17	5°33	19° 2	6°40	29°54	20° 4	2°58	4°30	0° 8	8° 8	W25
T 26	14 16 38	5°51'34	9♊16	20°58	14°43	21° 3	5°39	18°58	6°39	29°53	20° 5	2°53	4°27	0°15	8°12	T 26
F 27	14 20 34	6°49'46	23°21	20°43	15°56	21°49	5°44	18°53	6°38	29°51	20° 6	2°51	4°24	0°22	8°15	F 27
S 28	14 24 31	7°47'55	7♋29	20°33	17° 9	22°35	5°49	18°49	6°37	29°49	20° 8	2°D50	4°21	0°28	8°18	S 28
S 29	14 28 27	8°46'03	21°40	20°27	18°23	23°21	5°54	18°45	6°36	29°48	20° 9	2°51	4°18	0°35	8°21	S 29
M30	14 32 24	9♉44'09	5♌49	20°D27	19♈36	24♓ 7	5♒59	18♎41	6♏36	29♎46	20♉10	2°R52	4♋14	0♒42	8♈25	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n32	23n31	0n28	14n 9	3n 2	7s28	1s20	12s 3	1s15	19s56	0s20	5s34	2n47	9n36	0n48	9s57	1n51	4n11	13s58	23n23	23n22	22s35	4n45	2n16
M 2	4 55	22 52	1 41	14 24	3 6	7 1	1 21	11 47	1 16	19 54	0 20	5 32	2 47	9 37	0 48	9 57	1 51	4 12	13 58	23 23	23 22	22 34	4 47	2 16
T 3	5 18	20 44	2 48	14 35	3 9	6 34	1 23	11 30	1 16	19 52	0 20	5 31	2 47	9 38	0 48	9 56	1 51	4 12	13 58	23 23	23 22	22 34	4 48	2 16
W 4	5 41	17 17	3 45	14 42	3 10	6 7	1 24	11 13	1 16	19 51	0 21	5 29	2 47	9 38	0 48	9 56	1 51	4 12	13 58	23 23	23 22	22 33	4 49	2 16
T 5	6 4	12 49	4 28	14 45	3 11	5 39	1 25	10 57	1 17	19 49	0 21	5 27	2 47	9 39	0 48	9 55	1 51	4 13	13 58	23 23	23 22	22 32	4 51	2 16
F 6	6 27	7 40	4 53	14 45	3 10	5 11	1 26	10 40	1 17	19 47	0 21	5 25	2 47	9 40	0 48	9 55	1 51	4 13	13 57	23 24	23 22	22 32	4 52	2 16
S 7	6 49	2 8	5 1	14 42	3 7	4 43	1 27	10 23	1 17	19 45	0 21	5 24	2 48	9 40	0 48	9 54	1 51	4 14	13 57	23 24	23 22	22 31	4 54	2 16
S 8	7 12	3s24	4 50	14 35	3 3	4 15	1 28	10 6	1 17	19 44	0 21	5 22	2 48	9 41	0 48	9 54	1 51	4 14	13 57	23 24	23 23	22 31	4 55	2 16
M 9	7 34	8 41	4 23	14 24	2 57	3 47	1 29	9 49	1 18	19 42	0 21	5 20	2 48	9 42	0 48	9 53	1 51	4 15	13 57	23 25	23 23	22 30	4 56	2 16
T 10	7 56	13 25	3 42	14 10	2 50	3 19	1 30	9 31	1 18	19 40	0 22	5 18	2 48	9 42	0 48	9 52	1 51	4 15	13 57	23 25	23 23	22 30	4 58	2 16
W11	8 18	17 25	2 50	13 53	2 42	2 50	1 31	9 14	1 18	19 39	0 22	5 17	2 48	9 43	0 48	9 52	1 51	4 16	13 57	23 25	23 23	22 29	4 59	2 16
T 12	8 40	20 30	1 52	13 33	2 32	2 22	1 32	8 57	1 18	19 37	0 22	5 15	2 48	9 43	0 48	9 51	1 51	4 16	13 56	23 25	23 23	22 29	5 0	2 15
F 13	9 2	22 35	0 49	13 10	2 21	1 53	1 32	8 39	1 19	19 35	0 22	5 13	2 48	9 44	0 48	9 51	1 51	4 17	13 56	23 26	23 23	22 28	5 2	2 15
S 14	9 24	23 34	0s15	12 45	2 8	1 24	1 33	8 22	1 19	19 34	0 22	5 12	2 48	9 44	0 48	9 50	1 51	4 17	13 56	23 26	23 23	22 27	5 3	2 15
S 15	9 45	23 27	1 18	12 19	1 55	0 55	1 33	8 4	1 19	19 32	0 23	5 10	2 48	9 45	0 48	9 50	1 51	4 18	13 56	23 26	23 23	22 27	5 5	2 15
M16	10 7	22 17	2 17	11 50	1 40	0 27	1 34	7 47	1 19	19 31	0 23	5 8	2 47	9 45	0 48	9 49	1 51	4 18	13 56	23 26	23 24	22 26	5 6	2 15
T 17	10 28	20 8	3 10	11 21	1 25	0n 2	1 34	7 29	1 19	19 29	0 23	5 7	2 47	9 46	0 48	9 48	1 51	4 18	13 56	23 26	23 24	22 26	5 7	2 15
W18	10 49	17 6	3 55	10 50	1 9	0 31	1 35	7 11	1 20	19 28	0 23	5 5	2 47	9 46	0 48	9 48	1 51	4 19	13 55	23 26	23 24	22 25	5 9	2 15
T 19	11 10	13 19	4 30	10 20	0 52	1 0	1 35	6 53	1 20	19 26	0 23	5 3	2 47	9 47	0 48	9 47	1 51	4 19	13 55	23 26	23 24	22 24	5 10	2 15
F 20	11 30	8 54	4 54	9 50	0 35	1 29	1 35	6 36	1 20	19 25	0 23	5 2	2 47	9 47	0 48	9 47	1 51	4 20	13 55	23 26	23 24	22 24	5 11	2 15
S 21	11 51	4 0	5 4	9 20	0 18	1 58	1 35	6 18	1 20	19 24	0 24	5 0	2 47	9 48	0 48	9 46	1 51	4 20	13 55	23 26	23 24	22 23	5 13	2 15
S 22	12 11	1n11	4 58	8 51	0 1	2 27	1 35	6 0	1 20	19 22	0 24	4 58	2 47	9 48	0 48	9 45	1 51	4 21	13 55	23 27	23 24	22 22	5 14	2 15
M23	12 31	6 27	4 36	8 24	0s16	2 55	1 35	5 42	1 20	19 21	0 24	4 57	2 47	9 49	0 48	9 45	1 51	4 21	13 55	23 27	23 24	22 22	5 15	2 15
T 24	12 51	11 31	3 59	7 58	0 32	3 24	1 35	5 24	1 20	19 20	0 24	4 55	2 47	9 49	0 48	9 44	1 51	4 22	13 55	23 27	23 25	22 21	5 17	2 15
W25	13 11	16 6	3 7	7 35	0 48	3 53	1 35	5 6	1 21	19 19	0 24	4 54	2 47	9 49	0 48	9 44	1 51	4 22	13 55	23 27	23 25	22 20	5 18	2 15
T 26	13 30	19 52	2 3	7 13	1 4	4 22	1 34	4 47	1 21	19 18	0 25	4 52	2 47	9 50	0 48	9 43	1 51	4 22	13 55	23 27	23 25	22 20	5 19	2 15
F 27	13 49	22 29	0 51	6 54	1 19	4 50	1 34	4 29	1 21	19 17	0 25	4 50	2 47	9 50	0 48	9 43	1 51	4 23	13 54	23 27	23 25	22 19	5 21	2 15
S 28	14 8	23 41	0n25	6 37	1 33	5 19	1 33	4 11	1 21	19 16	0 25	4 49	2 47	9 50	0 48	9 42	1 51	4 23	13 54	23 27	23 25	22 18	5 22	2 15
S 29	14 27	23 23	1 39	6 22	1 46	5 47	1 33	3 53	1 21	19 14	0 25	4 47	2 47	9 50	0 48	9 42	1 51	4 24	13 54	23 27	23 25	22 18	5 23	2 15
M30	14n46	21n34	2n48	6n10	1s58	6n15	1s32	3s35	1s21	19s13	0s25	4s46	2n46	9n51	0n48	9s41	1n51	4n24	13s54	23n27	23n25	22s17	5n25	2n15

Julian Day Number = 2316130.5, Delta T = 58.56 sec
Ecliptic obliquity = 23°29'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°33'56, Lahiri = 18°40'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

MAY 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 21	10♉42'12	19♌57	20♈31	20♈49	24♓53	6♒ 3	18°R37	6°R35	29°R45	20♉12	2°R52	4♋11	0♒48	8♈28	T 1
W 2	14 40 17	11°40'14	4♍ 2	20°39	22° 3	25°39	6° 8	18♎33	6♍34	29♎43	20°13	2♋49	4° 8	0°55	8°31	W 2
T 3	14 44 14	12°38'14	18° 2	20°52	23°16	26°25	6°12	18°29	6°34	29°41	20°14	2°45	4° 5	1° 2	8°34	T 3
F 4	14 48 10	13°36'11	1♎54	21°10	24°29	27°11	6°16	18°25	6°33	29°40	20°16	2°39	4° 2	1° 8	8°37	F 4
S 5	14 52 7	14°34'07	15°38	21°32	25°43	27°57	6°20	18°21	6°33	29°38	20°17	2°32	3°59	1°15	8°41	S 5
S 6	14 56 3	15°32'02	29° 8	21°59	26°56	28°42	6°23	18°17	6°32	29°37	20°18	2°24	3°55	1°22	8°44	S 6
M 7	15 0 0	16°29'54	12♏24	22°29	28° 9	29°28	6°27	18°13	6°32	29°35	20°20	2°16	3°52	1°28	8°47	M 7
T 8	15 3 56	17°27'45	25°24	23° 4	29°23	0♈14	6°30	18° 9	6°31	29°34	20°21	2°10	3°49	1°35	8°50	T 8
W 9	15 7 53	18°25'35	8♐ 7	23°43	0♉36	1° 0	6°33	18° 6	6°31	29°32	20°23	2° 5	3°46	1°42	8°53	W 9
T 10	15 11 50	19°23'23	20°34	24°25	1°49	1°45	6°36	18° 2	6°31	29°30	20°24	2° 3	3°43	1°48	8°56	T 10
F 11	15 15 46	20°21'11	2♑46	25°11	3° 3	2°31	6°39	17°59	6°31	29°29	20°25	2°D 2	3°39	1°55	8°59	F 11
S 12	15 19 43	21°18'56	14°46	26° 1	4°16	3°17	6°42	17°55	6°31	29°27	20°27	2° 3	3°36	2° 2	9° 2	S 12
S 13	15 23 39	22°16'41	26°39	26°54	5°29	4° 2	6°44	17°52	6°31	29°26	20°28	2° 4	3°33	2° 8	9° 5	S 13
M14	15 27 36	23°14'24	8♒29	27°50	6°43	4°48	6°47	17°48	6°D30	29°25	20°29	2° 6	3°30	2°15	9° 8	M14
T 15	15 31 32	24°12'07	20°20	28°50	7°56	5°33	6°49	17°45	6°31	29°23	20°31	2°R 7	3°27	2°22	9°10	T 15
W16	15 35 29	25° 9'48	2♓18	29°52	9° 9	6°19	6°50	17°42	6°31	29°22	20°32	2° 7	3°24	2°28	9°13	W16
T 17	15 39 25	26° 7'28	14°28	0♉58	10°23	7° 4	6°52	17°39	6°31	29°20	20°33	2° 5	3°20	2°35	9°16	T 17
F 18	15 43 22	27° 5'07	26°53	2° 7	11°36	7°50	6°54	17°36	6°31	29°19	20°35	2° 2	3°17	2°42	9°19	F 18
S 19	15 47 19	28° 2'45	9♈39	3°18	12°50	8°35	6°55	17°33	6°31	29°17	20°36	1°58	3°14	2°48	9°21	S 19
S 20	15 51 15	29° 0'22	22°46	4°32	14° 3	9°20	6°56	17°30	6°31	29°16	20°37	1°53	3°11	2°55	9°24	S 20
M21	15 55 12	29°57'58	6♉16	5°49	15°16	10° 5	6°57	17°27	6°32	29°15	20°39	1°47	3° 8	3° 2	9°27	M21
T 22	15 59 8	0♊55'33	20° 7	7° 9	16°30	10°51	6°58	17°25	6°32	29°13	20°40	1°43	3° 4	3° 8	9°29	T 22
W23	16 3 5	1°53'07	4♊16	8°31	17°43	11°36	6°58	17°22	6°33	29°12	20°41	1°40	3° 1	3°15	9°32	W23
T 24	16 7 1	2°50'40	18°39	9°56	18°56	12°21	6°59	17°19	6°33	29°11	20°43	1°38	2°58	3°22	9°34	T 24
F 25	16 10 58	3°48'11	3♋10	11°24	20°10	13° 6	6°R59	17°17	6°34	29° 9	20°44	1°D37	2°55	3°28	9°37	F 25
S 26	16 14 54	4°45'42	17°44	12°54	21°23	13°51	6°59	17°15	6°34	29° 8	20°45	1°38	2°52	3°35	9°39	S 26
S 27	16 18 51	5°43'11	2♌14	14°26	22°37	14°36	6°59	17°12	6°35	29° 7	20°47	1°39	2°49	3°42	9°42	S 27
M28	16 22 48	6°40'39	16°38	16° 2	23°50	15°21	6°58	17°10	6°36	29° 6	20°48	1°40	2°45	3°48	9°44	M28
T 29	16 26 44	7°38'05	0♍52	17°39	25° 4	16° 6	6°58	17° 8	6°36	29° 4	20°49	1°41	2°42	3°55	9°46	T 29
W30	16 30 41	8°35'31	14°54	19°20	26°17	16°50	6°57	17° 6	6°37	29° 3	20°51	1°R41	2°39	4° 2	9°48	W30
T 31	16 34 37	9♊32'55	28♍42	21♉ 2	27♉30	17♈35	6♒56	17♎ 4	6♍38	29♎ 2	20♉52	1♋40	2♋36	4♒ 8	9♈51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15n 4	18n25	3n46	6n 1	2s10	6n44	1s32	3s17	1s21	19s13	0s26	4s45	2n46	9n51	0n47	9s40	1n51	4n25	13s54	23n27	23n25	22s16	5n26	2n15	T 1
W 2	15 22	14 14	4 30	5 54	2 21	7 12	1 31	2 58	1 21	19 12	0 26	4 43	2 46	9 51	0 47	9 40	1 51	4 25	13 54	23 27	23 25	22 16	5 27	2 15	W 2
T 3	15 40	9 18	4 57	5 50	2 31	7 39	1 30	2 40	1 21	19 11	0 26	4 42	2 46	9 51	0 47	9 39	1 51	4 25	13 54	23 28	23 25	22 15	5 28	2 15	T 3
F 4	15 57	3 56	5 7	5 49	2 40	8 7	1 30	2 22	1 21	19 10	0 26	4 40	2 46	9 51	0 47	9 39	1 51	4 26	13 54	23 28	23 26	22 14	5 30	2 15	F 4
S 5	16 14	1s33	4 59	5 49	2 48	8 35	1 29	2 4	1 21	19 9	0 26	4 39	2 46	9 52	0 47	9 38	1 51	4 26	13 54	23 28	23 26	22 14	5 31	2 15	S 5
S 6	16 31	6 54	4 35	5 53	2 55	9 2	1 28	1 46	1 21	19 8	0 27	4 38	2 46	9 52	0 47	9 38	1 51	4 26	13 54	23 28	23 26	22 13	5 32	2 15	S 6
M 7	16 48	11 51	3 56	5 58	3 1	9 29	1 27	1 27	1 21	19 8	0 27	4 36	2 46	9 52	0 47	9 37	1 51	4 27	13 54	23 28	23 26	22 12	5 33	2 15	M 7
T 8	17 5	16 9	3 5	6 6	3 6	9 56	1 26	1 9	1 21	19 7	0 27	4 35	2 45	9 52	0 47	9 37	1 51	4 27	13 54	23 28	23 26	22 11	5 35	2 15	T 8
W 9	17 21	19 38	2 6	6 16	3 11	10 23	1 25	0 51	1 21	19 7	0 27	4 34	2 45	9 52	0 47	9 36	1 51	4 28	13 54	23 28	23 26	22 11	5 36	2 15	W 9
T 10	17 37	22 7	1 2	6 28	3 14	10 50	1 23	0 33	1 21	19 6	0 27	4 33	2 45	9 52	0 47	9 36	1 51	4 28	13 54	23 28	23 26	22 10	5 37	2 15	T 10
F 11	17 52	23 31	0s 4	6 42	3 17	11 16	1 22	0 14	1 21	19 5	0 28	4 31	2 45	9 52	0 47	9 35	1 51	4 28	13 54	23 28	23 26	22 9	5 38	2 15	F 11
S 12	18 8	23 48	1 9	6 58	3 19	11 42	1 21	0n 4	1 21	19 5	0 28	4 30	2 45	9 52	0 47	9 35	1 51	4 29	13 54	23 28	23 26	22 8	5 39	2 15	S 12
S 13	18 23	22 59	2 10	7 16	3 20	12 8	1 20	0 22	1 21	19 5	0 28	4 29	2 45	9 52	0 47	9 34	1 51	4 29	13 53	23 28	23 26	22 8	5 40	2 15	S 13
M14	18 37	21 10	3 5	7 36	3 21	12 33	1 18	0 40	1 21	19 4	0 28	4 28	2 44	9 52	0 47	9 34	1 51	4 29	13 53	23 28	23 26	22 7	5 42	2 15	M14
T 15	18 52	18 25	3 53	7 57	3 21	12 58	1 17	0 58	1 21	19 4	0 28	4 27	2 44	9 52	0 47	9 33	1 51	4 30	13 53	23 28	23 27	22 6	5 43	2 15	T 15
W16	19 6	14 53	4 31	8 20	3 20	13 23	1 15	1 16	1 21	19 4	0 29	4 26	2 44	9 52	0 47	9 33	1 51	4 30	13 53	23 28	23 27	22 5	5 44	2 15	W16
T 17	19 19	10 42	4 57	8 44	3 18	13 48	1 14	1 34	1 21	19 3	0 29	4 25	2 44	9 52	0 47	9 32	1 51	4 30	13 53	23 28	23 27	22 4	5 45	2 15	T 17
F 18	19 33	5 59	5 11	9 10	3 16	14 12	1 12	1 52	1 21	19 3	0 29	4 24	2 44	9 52	0 47	9 32	1 51	4 31	13 53	23 28	23 27	22 4	5 46	2 15	F 18
S 19	19 46	0 54	5 9	9 37	3 13	14 36	1 10	2 10	1 21	19 3	0 29	4 23	2 44	9 52	0 47	9 31	1 51	4 31	13 53	23 28	23 27	22 3	5 47	2 15	S 19
S 20	19 59	4n21	4 52	10 5	3 9	15 0	1 9	2 28	1 21	19 3	0 29	4 22	2 43	9 51	0 47	9 31	1 51	4 31	13 53	23 28	23 27	22 2	5 48	2 15	S 20
M21	20 11	9 35	4 18	10 35	3 5	15 23	1 7	2 46	1 21	19 3	0 30	4 21	2 43	9 51	0 47	9 30	1 51	4 32	13 53	23 29	23 27	22 1	5 49	2 15	M21
T 22	20 23	14 28	3 28	11 6	3 0	15 46	1 5	3 4	1 21	19 3	0 30	4 20	2 43	9 51	0 47	9 30	1 50	4 32	13 53	23 29	23 27	22 0	5 50	2 15	T 22
W23	20 35	18 41	2 24	11 37	2 54	16 8	1 3	3 22	1 20	19 3	0 30	4 19	2 43	9 51	0 47	9 29	1 50	4 32	13 54	23 29	23 27	22 0	5 51	2 15	W23
T 24	20 46	21 50	1 11	12 10	2 48	16 30	1 2	3 39	1 20	19 3	0 30	4 19	2 43	9 51	0 47	9 29	1 50	4 33	13 54	23 29	23 27	21 59	5 52	2 15	T 24
F 25	20 57	23 35	0n 9	12 43	2 42	16 52	1 0	3 57	1 20	19 3	0 31	4 18	2 42	9 50	0 46	9 29	1 50	4 33	13 54	23 29	23 27	21 58	5 53	2 15	F 25
S 26	21 8	23 45	1 27	13 17	2 35	17 13	0 58	4 15	1 20	19 4	0 31	4 17	2 42	9 50	0 46	9 28	1 50	4 33	13 54	23 29	23 27	21 57	5 54	2 15	S 26
S 27	21 18	22 18	2 40	13 52	2 27	17 34	0 56	4 32	1 20	19 4	0 31	4 17	2 42	9 50	0 46	9 28	1 50	4 34	13 54	23 29	23 27	21 56	5 55	2 15	S 27
M28	21 28	19 25	3 43	14 27	2 19	17 54	0 54	4 50	1 20	19 4	0 31	4 16	2 42	9 50	0 46	9 27	1 50	4 34	13 54	23 29	23 28	21 55	5 56	2 16	M28
T 29	21 38	15 24	4 31	15 3	2 11	18 14	0 52	5 7	1 19	19 5	0 31	4 15	2 41	9 49	0 46	9 27	1 50	4 34	13 54	23 29	23 28	21 55	5 57	2 16	T 29
W30	21 47	10 35	5 1	15 39	2 2	18 33	0 50	5 25	1 19	19 5	0 32	4 15	2 41	9 49	0 46	9 27	1 50	4 34	13 54	23 29	23 28	21 54	5 58	2 16	W30
T 31	21n56	5n19	5n14	16n15	1s52	18n52	0s47	5n42	1s19	19s 5	0s32	4s14	2n41	9n49	0n46	9s26	1n50	4n35	13s54	23n29	23n28	21s53	5n59	2n16	T 31

Julian Day Number = 2316160.5, Delta T = 58.50 sec
Ecliptic obliquity = 23°29'14, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'00, Lahiri = 18°41'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

JUNE 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 38 34	10♊30'17	12♎17	22♉48	28♉44	18♈20	6°R55	17°R 2	6♍39	29°R 1	20♉53	1°R38	2♋33	4♒15	9♈53	F 1
S 2	16 42 30	11°27'39	25°37	24°35	29°57	19° 4	6♒53	17♎ 0	6°40	29♎ 0	20°55	1♋36	2°30	4°22	9°55	S 2
S 3	16 46 27	12°25'00	8♏44	26°26	1♊11	19°49	6°52	16°59	6°41	28°59	20°56	1°33	2°26	4°28	9°57	S 3
M 4	16 50 23	13°22'19	21°37	28°18	2°24	20°33	6°50	16°57	6°42	28°58	20°57	1°30	2°23	4°35	9°59	M 4
T 5	16 54 20	14°19'38	4♐16	0♊13	3°38	21°18	6°48	16°56	6°43	28°57	20°58	1°28	2°20	4°42	10° 1	T 5
W 6	16 58 17	15°16'56	16°42	2°10	4°51	22° 2	6°46	16°54	6°45	28°56	21° 0	1°27	2°17	4°48	10° 3	W 6
T 7	17 2 13	16°14'14	28°56	4°10	6° 4	22°47	6°44	16°53	6°46	28°55	21° 1	1°D26	2°14	4°55	10° 5	T 7
F 8	17 6 10	17°11'31	11♑ 1	6°11	7°18	23°31	6°41	16°52	6°47	28°54	21° 2	1°27	2°10	5° 2	10° 7	F 8
S 9	17 10 6	18° 8'47	22°57	8°15	8°31	24°15	6°39	16°51	6°48	28°53	21° 3	1°27	2° 7	5° 8	10° 9	S 9
S 10	17 14 3	19° 6'03	4♒48	10°20	9°45	24°59	6°36	16°50	6°50	28°52	21° 5	1°28	2° 4	5°15	10°10	S 10
M11	17 17 59	20° 3'18	16°37	12°27	10°58	25°43	6°33	16°49	6°51	28°51	21° 6	1°29	2° 1	5°22	10°12	M11
T 12	17 21 56	21° 0'33	28°29	14°35	12°12	26°27	6°30	16°48	6°53	28°50	21° 7	1°30	1°58	5°28	10°14	T 12
W13	17 25 53	21°57'48	10♓27	16°45	13°25	27°11	6°26	16°48	6°54	28°49	21° 8	1°31	1°55	5°35	10°16	W13
T 14	17 29 49	22°55'02	22°36	18°55	14°39	27°55	6°23	16°47	6°56	28°48	21° 9	1°R31	1°51	5°42	10°17	T 14
F 15	17 33 46	23°52'16	5♈ 0	21° 6	15°52	28°39	6°19	16°46	6°57	28°48	21°11	1°31	1°48	5°48	10°19	F 15
S 16	17 37 42	24°49'30	17°44	23°18	17° 6	29°23	6°15	16°46	6°59	28°47	21°12	1°31	1°45	5°55	10°20	S 16
S 17	17 41 39	25°46'44	0♉51	25°29	18°19	0♉ 7	6°11	16°46	7° 1	28°46	21°13	1°30	1°42	6° 2	10°22	S 17
M18	17 45 35	26°43'58	14°23	27°41	19°33	0°50	6° 7	16°46	7° 3	28°45	21°14	1°29	1°39	6° 8	10°23	M18
T 19	17 49 32	27°41'12	28°19	29°52	20°47	1°34	6° 2	16°D45	7° 4	28°45	21°15	1°29	1°36	6°15	10°24	T 19
W20	17 53 28	28°38'26	12♊40	2♋ 2	22° 0	2°17	5°58	16°45	7° 6	28°44	21°16	1°29	1°32	6°22	10°26	W20
T 21	17 57 25	29°35'39	27°19	4°11	23°14	3° 1	5°53	16°46	7° 8	28°44	21°17	1°D29	1°29	6°28	10°27	T 21
F 22	18 1 22	0♋32'53	12♋11	6°19	24°27	3°44	5°48	16°46	7°10	28°43	21°18	1°29	1°26	6°35	10°28	F 22
S 23	18 5 18	1°30'06	27° 8	8°26	25°41	4°27	5°43	16°46	7°12	28°42	21°20	1°R29	1°23	6°42	10°29	S 23
S 24	18 9 15	2°27'18	12♌ 2	10°32	26°55	5°11	5°38	16°46	7°14	28°42	21°21	1°29	1°20	6°48	10°30	S 24
M25	18 13 11	3°24'31	26°46	12°36	28° 8	5°54	5°33	16°47	7°16	28°41	21°22	1°29	1°16	6°55	10°31	M25
T 26	18 17 8	4°21'42	11♍14	14°38	29°22	6°37	5°27	16°48	7°18	28°41	21°23	1°28	1°13	7° 2	10°32	T 26
W27	18 21 4	5°18'54	25°23	16°38	0♋36	7°20	5°21	16°48	7°21	28°40	21°24	1°28	1°10	7° 8	10°33	W27
T 28	18 25 1	6°16'05	9♎10	18°37	1°49	8° 3	5°16	16°49	7°23	28°40	21°25	1°D28	1° 7	7°15	10°34	T 28
F 29	18 28 57	7°13'16	22°37	20°33	3° 3	8°45	5°10	16°50	7°25	28°40	21°26	1°28	1° 4	7°22	10°35	F 29
S 30	18 32 54	8♋10'26	5♏44	22♋28	4♋17	9♉28	5♒ 4	16♎51	7♍27	28♎39	21♉27	1♋29	1♋ 1	7♒28	10♈36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 4	0s 7	5n 9	16n51	1s43	19n11	0s45	5n59	1s19	19s 6	0s32	4s14	2n41	9n48	0n46	9s26	1n50	4n35	13s54	23n29	23n28	21s52	6n 0	2n16
S 2	22 12	5 27	4 48	17 28	1 33	19 29	0 43	6 16	1 19	19 7	0 32	4 13	2 41	9 48	0 46	9 25	1 50	4 35	13 54	23 29	23 28	21 51	6 1	2 16
S 3	22 20	10 28	4 11	18 4	1 22	19 46	0 41	6 33	1 18	19 7	0 33	4 13	2 40	9 47	0 46	9 25	1 50	4 35	13 54	23 29	23 28	21 50	6 2	2 16
M 4	22 27	14 57	3 23	18 40	1 12	20 3	0 39	6 50	1 18	19 8	0 33	4 13	2 40	9 47	0 46	9 25	1 50	4 36	13 54	23 29	23 28	21 49	6 3	2 16
T 5	22 34	18 40	2 25	19 15	1 1	20 19	0 36	7 7	1 18	19 8	0 33	4 12	2 40	9 46	0 46	9 24	1 50	4 36	13 54	23 29	23 28	21 48	6 3	2 16
W 6	22 40	21 29	1 21	19 49	0 50	20 35	0 34	7 24	1 18	19 9	0 33	4 12	2 40	9 46	0 46	9 24	1 50	4 36	13 54	23 29	23 28	21 47	6 4	2 16
T 7	22 46	23 15	0 14	20 23	0 39	20 50	0 32	7 41	1 17	19 10	0 33	4 12	2 39	9 45	0 46	9 24	1 50	4 36	13 54	23 29	23 28	21 47	6 5	2 16
F 8	22 52	23 54	0s53	20 56	0 28	21 5	0 30	7 57	1 17	19 11	0 34	4 11	2 39	9 45	0 46	9 24	1 50	4 37	13 54	23 29	23 28	21 46	6 6	2 16
S 9	22 57	23 27	1 56	21 27	0 17	21 19	0 27	8 14	1 17	19 12	0 34	4 11	2 39	9 44	0 46	9 23	1 50	4 37	13 55	23 29	23 28	21 45	6 7	2 16
S 10	23 2	21 55	2 54	21 57	0 5	21 33	0 25	8 30	1 16	19 13	0 34	4 11	2 39	9 44	0 46	9 23	1 50	4 37	13 55	23 29	23 28	21 44	6 7	2 16
M11	23 7	19 27	3 45	22 25	0n 5	21 46	0 23	8 47	1 16	19 14	0 34	4 11	2 38	9 43	0 46	9 23	1 50	4 37	13 55	23 29	23 28	21 43	6 8	2 16
T 12	23 11	16 11	4 26	22 52	0 16	21 58	0 20	9 3	1 16	19 15	0 34	4 11	2 38	9 43	0 46	9 22	1 50	4 37	13 55	23 29	23 28	21 42	6 9	2 16
W13	23 15	12 14	4 56	23 16	0 26	22 10	0 18	9 19	1 15	19 16	0 35	4 11	2 38	9 42	0 46	9 22	1 50	4 37	13 55	23 29	23 28	21 41	6 9	2 16
T 14	23 18	7 44	5 13	23 38	0 36	22 21	0 15	9 35	1 15	19 17	0 35	4 11	2 38	9 41	0 46	9 22	1 50	4 38	13 55	23 29	23 28	21 40	6 10	2 16
F 15	23 21	2 51	5 17	23 57	0 46	22 31	0 13	9 51	1 15	19 18	0 35	4 11	2 37	9 41	0 46	9 22	1 49	4 38	13 55	23 29	23 28	21 39	6 11	2 16
S 16	23 23	2n17	5 5	24 14	0 55	22 41	0 11	10 7	1 14	19 19	0 35	4 11	2 37	9 40	0 46	9 21	1 49	4 38	13 55	23 29	23 29	21 38	6 11	2 16
S 17	23 25	7 28	4 37	24 28	1 4	22 50	0 8	10 23	1 14	19 20	0 36	4 11	2 37	9 39	0 46	9 21	1 49	4 38	13 56	23 29	23 29	21 37	6 12	2 16
M18	23 27	12 29	3 53	24 40	1 12	22 59	0 6	10 38	1 14	19 22	0 36	4 11	2 37	9 39	0 45	9 21	1 49	4 38	13 56	23 29	23 29	21 36	6 13	2 16
T 19	23 28	17 0	2 54	24 48	1 19	23 6	0 3	10 54	1 13	19 23	0 36	4 12	2 36	9 38	0 45	9 21	1 49	4 38	13 56	23 29	23 29	21 35	6 13	2 16
W20	23 29	20 40	1 43	24 54	1 26	23 14	0 1	11 9	1 13	19 24	0 36	4 12	2 36	9 37	0 45	9 21	1 49	4 39	13 56	23 29	23 29	21 34	6 14	2 17
T 21	23 29	23 5	0 23	24 57	1 32	23 20	0n 1	11 24	1 12	19 26	0 36	4 12	2 36	9 37	0 45	9 21	1 49	4 39	13 56	23 29	23 29	21 33	6 14	2 17
F 22	23 29	23 55	0n59	24 57	1 37	23 26	0 4	11 39	1 12	19 27	0 37	4 12	2 35	9 36	0 45	9 20	1 49	4 39	13 56	23 29	23 29	21 32	6 15	2 17
S 23	23 29	23 2	2 18	24 55	1 42	23 31	0 6	11 54	1 12	19 28	0 37	4 13	2 35	9 35	0 45	9 20	1 49	4 39	13 56	23 29	23 29	21 31	6 15	2 17
S 24	23 28	20 31	3 27	24 49	1 46	23 36	0 8	12 9	1 11	19 30	0 37	4 13	2 35	9 34	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 30	6 16	2 17
M25	23 27	16 42	4 21	24 41	1 49	23 39	0 11	12 24	1 11	19 31	0 37	4 14	2 35	9 33	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 29	6 16	2 17
T 26	23 25	11 57	4 58	24 31	1 51	23 42	0 13	12 39	1 10	19 33	0 37	4 14	2 34	9 33	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 28	6 17	2 17
W27	23 23	6 40	5 16	24 19	1 53	23 45	0 16	12 53	1 10	19 35	0 38	4 15	2 34	9 32	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 27	6 17	2 17
T 28	23 20	1 11	5 15	24 4	1 53	23 46	0 18	13 7	1 9	19 36	0 38	4 15	2 34	9 31	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 26	6 17	2 17
F 29	23 17	4s14	4 56	23 47	1 54	23 47	0 20	13 22	1 9	19 38	0 38	4 16	2 34	9 30	0 45	9 20	1 49	4 39	13 57	23 29	23 29	21 25	6 18	2 17
S 30	23n14	9s20	4n23	23n28	1n53	23n48	0n23	13n36	1s 8	19s40	0s38	4s16	2n33	9n29	0n45	9s19	1n49	4n40	13s58	23n29	23n29	21s24	6n18	2n17

Julian Day Number = 2316191.5, Delta T = 58.43 sec
Ecliptic obliquity = 23°29'14, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'05, Lahiri = 18°41'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

JULY 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 51	9♋ 7'37	18♏33	24♋20	5♋30	10♉11	4°R58	16♎52	7♍30	28°R39	21♉28	1♋29	0♋57	7♒35	10♈36	S 1
M 2	18 40 47	10° 4'47	1♐ 7	26°11	6°44	10°53	4♒51	16°53	7°32	28♎39	21°29	1°30	0°54	7°42	10°37	M 2
T 3	18 44 44	11° 1'57	13°29	28° 0	7°58	11°36	4°45	16°55	7°35	28°39	21°30	1°31	0°51	7°48	10°38	T 3
W 4	18 48 40	11°59'08	25°40	29°47	9°12	12°18	4°38	16°56	7°37	28°38	21°31	1°R31	0°48	7°55	10°38	W 4
T 5	18 52 37	12°56'18	7♑42	1♌32	10°25	13° 1	4°32	16°57	7°40	28°38	21°32	1°31	0°45	8° 2	10°39	T 5
F 6	18 56 33	13°53'29	19°39	3°14	11°39	13°43	4°25	16°59	7°42	28°38	21°32	1°31	0°42	8° 8	10°39	F 6
S 7	19 0 30	14°50'40	1♒30	4°55	12°53	14°25	4°18	17° 1	7°45	28°38	21°33	1°29	0°38	8°15	10°40	S 7
S 8	19 4 26	15°47'51	13°20	6°34	14° 7	15° 7	4°11	17° 2	7°47	28°38	21°34	1°28	0°35	8°22	10°40	S 8
M 9	19 8 23	16°45'03	25°10	8°11	15°20	15°49	4° 4	17° 4	7°50	28°38	21°35	1°25	0°32	8°28	10°40	M 9
T 10	19 12 20	17°42'15	7♓ 3	9°46	16°34	16°31	3°57	17° 6	7°53	28°D38	21°36	1°23	0°29	8°35	10°41	T 10
W11	19 16 16	18°39'27	19° 2	11°19	17°48	17°13	3°50	17° 8	7°55	28°38	21°37	1°21	0°26	8°42	10°41	W11
T 12	19 20 13	19°36'41	1♈11	12°49	19° 2	17°54	3°43	17°10	7°58	28°38	21°37	1°19	0°22	8°48	10°41	T 12
F 13	19 24 9	20°33'55	13°34	14°18	20°16	18°36	3°35	17°13	8° 1	28°38	21°38	1°18	0°19	8°55	10°41	F 13
S 14	19 28 6	21°31'09	26°14	15°45	21°30	19°18	3°28	17°15	8° 4	28°38	21°39	1°D18	0°16	9° 2	10°R41	S 14
S 15	19 32 2	22°28'25	9♉16	17°10	22°43	19°59	3°20	17°17	8° 7	28°38	21°40	1°19	0°13	9° 8	10°41	S 15
M16	19 35 59	23°25'41	22°42	18°32	23°57	20°40	3°13	17°20	8°10	28°38	21°41	1°20	0°10	9°15	10°41	M16
T 17	19 39 55	24°22'59	6♊35	19°53	25°11	21°22	3° 5	17°23	8°13	28°38	21°41	1°22	0° 7	9°22	10°41	T 17
W18	19 43 52	25°20'17	20°54	21°11	26°25	22° 3	2°58	17°25	8°16	28°39	21°42	1°23	0° 3	9°28	10°41	W18
T 19	19 47 49	26°17'36	5♋36	22°27	27°39	22°44	2°50	17°28	8°19	28°39	21°43	1°R23	0° 0	9°35	10°40	T 19
F 20	19 51 45	27°14'56	20°37	23°41	28°53	23°25	2°42	17°31	8°22	28°39	21°43	1°22	29♊57	9°42	10°40	F 20
S 21	19 55 42	28°12'16	5♌48	24°53	0♌ 7	24° 6	2°35	17°34	8°25	28°40	21°44	1°20	29°54	9°48	10°40	S 21
S 22	19 59 38	29° 9'37	20°59	26° 2	1°21	24°46	2°27	17°37	8°28	28°40	21°45	1°16	29°51	9°55	10°39	S 22
M23	20 3 35	0♌ 6'59	6♍ 1	27° 8	2°35	25°27	2°19	17°40	8°31	28°40	21°45	1°13	29°48	10° 2	10°39	M23
T 24	20 7 31	1° 4'21	20°46	28°13	3°49	26° 7	2°11	17°43	8°34	28°41	21°46	1° 9	29°44	10° 9	10°38	T 24
W25	20 11 28	2° 1'44	5♎ 6	29°14	5° 3	26°48	2° 3	17°47	8°37	28°41	21°46	1° 5	29°41	10°15	10°38	W25
T 26	20 15 24	2°59'07	19° 0	0♍12	6°17	27°28	1°56	17°50	8°41	28°42	21°47	1° 3	29°38	10°22	10°37	T 26
F 27	20 19 21	3°56'31	2♏27	1° 8	7°31	28° 8	1°48	17°54	8°44	28°42	21°47	1°D 2	29°35	10°29	10°36	F 27
S 28	20 23 18	4°53'56	15°30	2° 1	8°45	28°48	1°40	17°57	8°47	28°43	21°48	1° 3	29°32	10°35	10°36	S 28
S 29	20 27 14	5°51'21	28°11	2°50	9°59	29°28	1°32	18° 1	8°50	28°43	21°48	1° 4	29°28	10°42	10°35	S 29
M30	20 31 11	6°48'47	10♐35	3°36	11°13	0♊ 8	1°25	18° 5	8°54	28°44	21°49	1° 6	29°25	10°49	10°34	M30
T 31	20 35 7	7♌46'14	22♐45	4♍19	12♌27	0♊48	1♒17	18♎ 8	8♍57	28♎45	21♉49	1♋ 7	29♊22	10♒55	10♈33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n10	13s55	3n36	23n 8	1n52	23n47	0n25	13n50	1s 8	19s41	0s38	4s17	2n33	9n28	0n45	9s19	1n49	4n40	13s58	23n29	23n29	21s23	6n19	2n17
M 2	23 6	17 48	2 41	22 45	1 50	23 46	0 27	14 3	1 7	19 43	0 39	4 18	2 33	9 27	0 45	9 19	1 49	4 40	13 58	23 29	23 29	21 22	6 19	2 17
T 3	23 2	20 50	1 38	22 22	1 48	23 44	0 29	14 17	1 7	19 45	0 39	4 18	2 33	9 26	0 45	9 19	1 49	4 40	13 58	23 29	23 29	21 21	6 19	2 17
W 4	22 57	22 53	0 32	21 57	1 45	23 42	0 32	14 30	1 6	19 46	0 39	4 19	2 32	9 25	0 45	9 19	1 48	4 40	13 58	23 29	23 29	21 20	6 19	2 17
T 5	22 51	23 50	0s34	21 30	1 41	23 38	0 34	14 44	1 6	19 48	0 39	4 20	2 32	9 24	0 45	9 19	1 48	4 40	13 58	23 29	23 29	21 19	6 20	2 17
F 6	22 46	23 40	1 39	21 2	1 37	23 34	0 36	14 57	1 5	19 50	0 39	4 21	2 32	9 23	0 45	9 19	1 48	4 40	13 59	23 29	23 29	21 18	6 20	2 17
S 7	22 40	22 26	2 38	20 34	1 32	23 30	0 38	15 10	1 5	19 52	0 40	4 22	2 32	9 22	0 45	9 19	1 48	4 40	13 59	23 29	23 29	21 16	6 20	2 17
S 8	22 33	20 13	3 31	20 4	1 27	23 24	0 40	15 23	1 4	19 54	0 40	4 23	2 31	9 21	0 45	9 19	1 48	4 40	13 59	23 29	23 29	21 15	6 20	2 18
M 9	22 26	17 9	4 15	19 34	1 21	23 18	0 42	15 36	1 4	19 55	0 40	4 24	2 31	9 20	0 45	9 19	1 48	4 40	13 59	23 29	23 29	21 14	6 20	2 18
T 10	22 19	13 23	4 48	19 3	1 15	23 11	0 44	15 48	1 3	19 57	0 40	4 25	2 31	9 19	0 45	9 19	1 48	4 40	13 59	23 29	23 29	21 13	6 21	2 18
W11	22 11	9 4	5 8	18 31	1 8	23 4	0 46	16 1	1 2	19 59	0 40	4 26	2 31	9 18	0 45	9 19	1 48	4 40	14 0	23 29	23 29	21 12	6 21	2 18
T 12	22 3	4 21	5 16	17 58	1 1	22 56	0 48	16 13	1 2	20 1	0 41	4 27	2 30	9 17	0 45	9 20	1 48	4 40	14 0	23 29	23 29	21 11	6 21	2 18
F 13	21 55	0n38	5 8	17 26	0 54	22 47	0 50	16 25	1 1	20 3	0 41	4 28	2 30	9 16	0 45	9 20	1 48	4 40	14 0	23 29	23 29	21 10	6 21	2 18
S 14	21 46	5 42	4 46	16 52	0 46	22 37	0 52	16 37	1 0	20 5	0 41	4 29	2 30	9 15	0 45	9 20	1 48	4 40	14 0	23 29	23 29	21 9	6 21	2 18
S 15	21 37	10 40	4 9	16 19	0 37	22 27	0 54	16 49	1 0	20 7	0 41	4 30	2 30	9 14	0 45	9 20	1 48	4 40	14 1	23 29	23 29	21 8	6 21	2 18
M16	21 27	15 18	3 17	15 45	0 29	22 16	0 56	17 0	0 59	20 9	0 41	4 31	2 29	9 13	0 45	9 20	1 48	4 40	14 1	23 29	23 29	21 6	6 21	2 18
T 17	21 17	19 17	2 12	15 11	0 20	22 5	0 57	17 12	0 59	20 11	0 41	4 32	2 29	9 12	0 45	9 20	1 48	4 40	14 1	23 29	23 29	21 5	6 21	2 18
W18	21 7	22 13	0 57	14 38	0 10	21 53	0 59	17 23	0 58	20 13	0 42	4 34	2 29	9 11	0 45	9 20	1 48	4 40	14 1	23 29	23 29	21 4	6 21	2 18
T 19	20 56	23 45	0n23	14 4	0 0	21 40	1 1	17 34	0 57	20 14	0 42	4 35	2 29	9 9	0 44	9 20	1 48	4 40	14 1	23 29	23 29	21 3	6 21	2 18
F 20	20 45	23 37	1 44	13 30	0s10	21 27	1 3	17 45	0 57	20 16	0 42	4 36	2 28	9 8	0 44	9 21	1 48	4 39	14 2	23 29	23 29	21 2	6 21	2 18
S 21	20 34	21 44	2 58	12 57	0 20	21 13	1 4	17 56	0 56	20 18	0 42	4 38	2 28	9 7	0 44	9 21	1 47	4 39	14 2	23 29	23 29	21 1	6 21	2 18
S 22	20 22	18 18	3 59	12 23	0 30	20 58	1 6	18 6	0 55	20 20	0 42	4 39	2 28	9 6	0 44	9 21	1 47	4 39	14 2	23 29	23 29	20 59	6 21	2 18
M23	20 10	13 42	4 43	11 50	0 41	20 43	1 7	18 17	0 54	20 22	0 42	4 41	2 28	9 5	0 44	9 21	1 47	4 39	14 2	23 29	23 29	20 58	6 21	2 18
T 24	19 58	8 23	5 8	11 18	0 52	20 27	1 9	18 27	0 54	20 24	0 42	4 42	2 27	9 4	0 44	9 21	1 47	4 39	14 3	23 29	23 29	20 57	6 20	2 18
W25	19 45	2 45	5 12	10 46	1 4	20 11	1 10	18 37	0 53	20 26	0 43	4 43	2 27	9 2	0 44	9 22	1 47	4 39	14 3	23 29	23 29	20 56	6 20	2 18
T 26	19 32	2s52	4 58	10 15	1 15	19 54	1 11	18 47	0 52	20 28	0 43	4 45	2 27	9 1	0 44	9 22	1 47	4 39	14 3	23 29	23 29	20 55	6 20	2 19
F 27	19 18	8 10	4 27	9 45	1 27	19 36	1 13	18 57	0 51	20 30	0 43	4 47	2 27	9 0	0 44	9 22	1 47	4 39	14 3	23 29	23 29	20 54	6 20	2 19
S 28	19 5	12 57	3 44	9 15	1 38	19 18	1 14	19 6	0 51	20 32	0 43	4 48	2 26	8 59	0 44	9 22	1 47	4 39	14 4	23 29	23 29	20 52	6 20	2 19
S 29	18 51	17 2	2 50	8 46	1 50	18 59	1 15	19 16	0 50	20 33	0 43	4 50	2 26	8 57	0 44	9 22	1 47	4 39	14 4	23 29	23 29	20 51	6 19	2 19
M30	18 36	20 16	1 50	8 19	2 2	18 40	1 16	19 25	0 49	20 35	0 43	4 51	2 26	8 56	0 44	9 23	1 47	4 38	14 4	23 29	23 29	20 50	6 19	2 19
T 31	18n22	22s32	0n46	7n52	2s14	18n20	1n17	19n34	0s48	20s37	0s43	4s53	2n26	8n55	0n44	9s23	1n47	4n38	14s 4	23n29	23n29	20s49	6n19	2n19

Julian Day Number = 2316221.5, Delta T = 58.36 sec
Ecliptic obliquity = 23°29'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'09, Lahiri = 18°41'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

AUGUST 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 39 4	8♌43'42	4♉45	4♍57	13♌41	1♊28	1°R 9	18♎12	9♍ 0	28♎45	21♉50	1°R 7	29♊19	11♒ 2	10°R32	W 1
T 2	20 43 0	9°41'10	16°39	5°32	14°55	2° 7	1♒ 2	18°16	9° 4	28°46	21°50	1♋ 6	29°16	11° 9	10♈31	T 2
F 3	20 46 57	10°38'40	28°30	6° 3	16° 9	2°46	0°54	18°20	9° 7	28°47	21°51	1° 3	29°13	11°15	10°30	F 3
S 4	20 50 54	11°36'11	10♒19	6°30	17°23	3°26	0°46	18°24	9°11	28°48	21°51	0°58	29° 9	11°22	10°29	S 4
S 5	20 54 50	12°33'42	22°10	6°52	18°38	4° 5	0°39	18°29	9°14	28°48	21°51	0°51	29° 6	11°29	10°28	S 5
M 6	20 58 47	13°31'15	4♓ 3	7°10	19°52	4°44	0°32	18°33	9°17	28°49	21°52	0°44	29° 3	11°35	10°27	M 6
T 7	21 2 43	14°28'49	16° 1	7°22	21° 6	5°23	0°24	18°37	9°21	28°50	21°52	0°36	29° 0	11°42	10°26	T 7
W 8	21 6 40	15°26'24	28° 6	7°30	22°20	6° 2	0°17	18°42	9°24	28°51	21°52	0°28	28°57	11°49	10°24	W 8
T 9	21 10 36	16°24'01	10♈19	7°R32	23°34	6°40	0°10	18°46	9°28	28°52	21°53	0°22	28°54	11°55	10°23	T 9
F 10	21 14 33	17°21'40	22°44	7°29	24°48	7°19	0° 3	18°51	9°32	28°53	21°53	0°17	28°50	12° 2	10°22	F 10
S 11	21 18 29	18°19'19	5♉24	7°20	26° 2	7°57	29♉55	18°55	9°35	28°54	21°53	0°14	28°47	12° 9	10°20	S 11
S 12	21 22 26	19°17'01	18°21	7° 5	27°17	8°36	29°49	19° 0	9°39	28°55	21°53	0°D13	28°44	12°15	10°19	S 12
M13	21 26 22	20°14'44	1♊40	6°45	28°31	9°14	29°42	19° 5	9°42	28°56	21°53	0°14	28°41	12°22	10°17	M13
T 14	21 30 19	21°12'29	15°23	6°20	29°45	9°52	29°35	19°10	9°46	28°57	21°54	0°15	28°38	12°29	10°16	T 14
W15	21 34 16	22°10'16	29°32	5°48	0♍59	10°30	29°28	19°15	9°50	28°58	21°54	0°R15	28°34	12°35	10°14	W15
T 16	21 38 12	23° 8'04	14♋ 5	5°12	2°13	11° 7	29°22	19°20	9°53	28°59	21°54	0°15	28°31	12°42	10°12	T 16
F 17	21 42 9	24° 5'54	29° 0	4°31	3°28	11°45	29°15	19°25	9°57	29° 0	21°54	0°12	28°28	12°49	10°11	F 17
S 18	21 46 5	25° 3'45	14♌ 9	3°45	4°42	12°22	29° 9	19°30	10° 1	29° 2	21°54	0° 7	28°25	12°56	10° 9	S 18
S 19	21 50 2	26° 1'38	29°24	2°56	5°56	13° 0	29° 3	19°35	10° 4	29° 3	21°54	29♊59	28°22	13° 2	10° 7	S 19
M20	21 53 58	26°59'33	14♍34	2° 4	7°10	13°37	28°57	19°40	10° 8	29° 4	21°54	29°51	28°19	13° 9	10° 5	M20
T 21	21 57 55	27°57'29	29°28	1°10	8°24	14°14	28°51	19°46	10°12	29° 5	21°54	29°42	28°15	13°16	10° 3	T 21
W22	22 1 51	28°55'26	13♎58	0°15	9°39	14°51	28°45	19°51	10°15	29° 7	21°R54	29°35	28°12	13°22	10° 2	W22
T 23	22 5 48	29°53'25	28° 0	29♌20	10°53	15°27	28°39	19°57	10°19	29° 8	21°54	29°29	28° 9	13°29	10° 0	T 23
F 24	22 9 45	0♍51'24	11♏33	28°26	12° 7	16° 4	28°34	20° 2	10°23	29° 9	21°54	29°25	28° 6	13°36	9°58	F 24
S 25	22 13 41	1°49'26	24°38	27°35	13°21	16°40	28°28	20° 8	10°26	29°11	21°54	29°23	28° 3	13°42	9°56	S 25
S 26	22 17 38	2°47'29	7♐18	26°47	14°36	17°17	28°23	20°13	10°30	29°12	21°54	29°D23	28° 0	13°49	9°53	S 26
M27	22 21 34	3°45'33	19°38	26° 4	15°50	17°53	28°18	20°19	10°34	29°13	21°54	29°23	27°56	13°56	9°51	M27
T 28	22 25 31	4°43'38	1♑44	25°27	17° 4	18°29	28°13	20°25	10°38	29°15	21°54	29°R24	27°53	14° 2	9°49	T 28
W29	22 29 27	5°41'45	13°39	24°57	18°19	19° 4	28° 9	20°31	10°41	29°16	21°54	29°23	27°50	14° 9	9°47	W29
T 30	22 33 24	6°39'54	25°30	24°33	19°33	19°40	28° 4	20°36	10°45	29°18	21°53	29°19	27°47	14°16	9°45	T 30
F 31	22 37 20	7♍38'04	7♒18	24♌18	20♍47	20♊15	28♑ 0	20♎42	10♍49	29♎19	21♉53	29♊14	27♊44	14♒22	9♈43	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n 7	23 s44	0 s20	7n27	2 s26	18n 0	1n18	19n43	0 s48	20 s39	0 s43	4 s55	2n25	8n54	0n44	9 s23	1n47	4n38	14 s 5	23n29	23n29	20 s47	6n18	2n19
T 2	17 52	23 50	1 24	7 3	2 38	17 39	1 19	19 52	0 47	20 41	0 43	4 56	2 25	8 52	0 44	9 24	1 47	4 38	14 5	23 29	23 29	20 46	6 18	2 19
F 3	17 36	22 50	2 23	6 41	2 50	17 18	1 20	20 0	0 46	20 42	0 44	4 58	2 25	8 51	0 44	9 24	1 47	4 38	14 5	23 29	23 29	20 45	6 18	2 19
S 4	17 20	20 50	3 17	6 20	3 1	16 56	1 21	20 9	0 45	20 44	0 44	5 0	2 25	8 50	0 44	9 24	1 47	4 38	14 5	23 29	23 29	20 44	6 17	2 19
S 5	17 4	17 57	4 1	6 1	3 13	16 34	1 22	20 17	0 44	20 46	0 44	5 2	2 25	8 48	0 44	9 25	1 47	4 38	14 6	23 29	23 29	20 42	6 17	2 19
M 6	16 48	14 19	4 36	5 44	3 24	16 11	1 22	20 25	0 43	20 48	0 44	5 4	2 24	8 47	0 44	9 25	1 47	4 37	14 6	23 29	23 29	20 41	6 16	2 19
T 7	16 31	10 6	4 58	5 30	3 35	15 48	1 23	20 33	0 43	20 49	0 44	5 5	2 24	8 46	0 44	9 25	1 47	4 37	14 6	23 29	23 29	20 40	6 16	2 19
W 8	16 14	5 28	5 8	5 17	3 45	15 25	1 24	20 40	0 42	20 51	0 44	5 7	2 24	8 44	0 44	9 26	1 46	4 37	14 6	23 29	23 29	20 39	6 16	2 19
T 9	15 57	0 34	5 4	5 7	3 55	15 1	1 24	20 48	0 41	20 53	0 44	5 9	2 24	8 43	0 44	9 26	1 46	4 37	14 7	23 29	23 29	20 37	6 15	2 19
F 10	15 40	4n27	4 45	5 0	4 4	14 37	1 25	20 55	0 40	20 54	0 44	5 11	2 23	8 42	0 44	9 26	1 46	4 37	14 7	23 29	23 29	20 36	6 15	2 19
S 11	15 22	9 23	4 12	4 56	4 13	14 12	1 25	21 2	0 39	20 56	0 44	5 13	2 23	8 40	0 44	9 27	1 46	4 36	14 7	23 29	23 29	20 35	6 14	2 19
S 12	15 4	14 1	3 26	4 54	4 20	13 47	1 25	21 9	0 38	20 57	0 44	5 15	2 23	8 39	0 44	9 27	1 46	4 36	14 8	23 29	23 29	20 34	6 13	2 19
M13	14 46	18 8	2 28	4 55	4 27	13 21	1 26	21 16	0 37	20 59	0 44	5 17	2 23	8 38	0 44	9 28	1 46	4 36	14 8	23 29	23 29	20 32	6 13	2 19
T 14	14 28	21 22	1 19	5 0	4 32	12 55	1 26	21 22	0 36	21 0	0 45	5 19	2 23	8 36	0 44	9 28	1 46	4 36	14 8	23 29	23 29	20 31	6 12	2 19
W15	14 9	23 25	0 4	5 7	4 36	12 29	1 26	21 29	0 35	21 2	0 45	5 21	2 22	8 35	0 44	9 29	1 46	4 36	14 8	23 29	23 29	20 30	6 12	2 19
T 16	13 50	23 58	1n14	5 18	4 38	12 3	1 26	21 35	0 34	21 3	0 45	5 23	2 22	8 33	0 44	9 29	1 46	4 35	14 9	23 29	23 29	20 28	6 11	2 19
F 17	13 31	22 49	2 28	5 32	4 39	11 36	1 26	21 41	0 34	21 5	0 45	5 25	2 22	8 32	0 44	9 29	1 46	4 35	14 9	23 29	23 29	20 27	6 10	2 19
S 18	13 12	20 1	3 33	5 49	4 39	11 8	1 26	21 47	0 33	21 6	0 45	5 27	2 22	8 31	0 44	9 30	1 46	4 35	14 9	23 29	23 29	20 26	6 10	2 19
S 19	12 52	15 48	4 23	6 9	4 36	10 41	1 26	21 53	0 32	21 7	0 45	5 29	2 22	8 29	0 44	9 30	1 46	4 35	14 9	23 29	23 29	20 24	6 9	2 19
M20	12 32	10 37	4 54	6 32	4 31	10 13	1 26	21 58	0 31	21 9	0 45	5 32	2 22	8 28	0 44	9 31	1 46	4 34	14 10	23 29	23 29	20 23	6 8	2 19
T 21	12 12	4 53	5 5	6 57	4 25	9 45	1 25	22 4	0 30	21 10	0 45	5 34	2 21	8 26	0 44	9 31	1 46	4 34	14 10	23 29	23 29	20 22	6 8	2 19
W22	11 52	0 s59	4 56	7 24	4 17	9 17	1 25	22 9	0 29	21 11	0 45	5 36	2 21	8 25	0 44	9 32	1 46	4 34	14 10	23 29	23 29	20 20	6 7	2 19
T 23	11 32	6 36	4 28	7 53	4 6	8 48	1 25	22 14	0 28	21 12	0 45	5 38	2 21	8 24	0 44	9 32	1 46	4 34	14 10	23 29	23 28	20 19	6 6	2 19
F 24	11 12	11 44	3 47	8 22	3 54	8 20	1 24	22 19	0 27	21 14	0 45	5 40	2 21	8 22	0 44	9 33	1 46	4 33	14 11	23 29	23 28	20 18	6 5	2 19
S 25	10 51	16 9	2 55	8 53	3 41	7 50	1 24	22 24	0 25	21 15	0 45	5 43	2 21	8 21	0 44	9 33	1 46	4 33	14 11	23 29	23 28	20 16	6 5	2 19
S 26	10 30	19 41	1 55	9 23	3 26	7 21	1 23	22 28	0 24	21 16	0 45	5 45	2 20	8 19	0 44	9 34	1 46	4 33	14 11	23 29	23 28	20 15	6 4	2 19
M27	10 9	22 13	0 52	9 53	3 9	6 52	1 22	22 33	0 23	21 17	0 45	5 47	2 20	8 18	0 44	9 35	1 46	4 33	14 11	23 29	23 28	20 14	6 3	2 19
T 28	9 48	23 41	0 s12	10 22	2 52	6 22	1 22	22 37	0 22	21 18	0 45	5 50	2 20	8 16	0 44	9 35	1 45	4 32	14 12	23 29	23 28	20 12	6 2	2 19
W29	9 26	24 2	1 15	10 49	2 34	5 52	1 21	22 41	0 21	21 19	0 45	5 52	2 20	8 15	0 44	9 36	1 45	4 32	14 12	23 29	23 28	20 11	6 1	2 19
T 30	9 5	23 17	2 14	11 14	2 15	5 22	1 20	22 45	0 20	21 20	0 45	5 54	2 20	8 14	0 44	9 36	1 45	4 32	14 12	23 29	23 28	20 9	6 0	2 19
F 31	8n43	21 s30	3 s 7	11n37	1 s56	4n52	1n19	22n49	0 s19	21 s21	0 s45	5 s57	2n20	8n12	0n44	9 s37	1n45	4n31	14 s13	23n29	23n28	20 s 8	5n59	2n19

Julian Day Number = 2316252.5, Delta T = 58.29 sec
Ecliptic obliquity = 23°29'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'13, Lahiri = 18°41'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

SEPTEMBER 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 41 17	8♍36'16	19♒ 9	24°D11	22♍ 1	20♊50	27°R55	20♎48	10♍53	29♎21	21°R53	29°R 5	27♊40	14♒29	9°R40	S 1
S 2	22 45 14	9°34'29	1♓ 3	24♌13	23°16	21°25	27♑51	20°54	10°57	29°23	21♉53	28♊54	27°37	14°36	9♈38	S 2
M 3	22 49 10	10°32'44	13° 3	24°24	24°30	22° 0	27°47	21° 0	11° 0	29°24	21°53	28°42	27°34	14°42	9°36	M 3
T 4	22 53 7	11°31'01	25°10	24°44	25°44	22°35	27°44	21° 7	11° 4	29°26	21°52	28°29	27°31	14°49	9°33	T 4
W 5	22 57 3	12°29'20	7♈25	25°13	26°58	23° 9	27°40	21°13	11° 8	29°27	21°52	28°16	27°28	14°56	9°31	W 5
T 6	23 1 0	13°27'40	19°49	25°50	28°13	23°44	27°37	21°19	11°12	29°29	21°52	28° 5	27°25	15° 3	9°28	T 6
F 7	23 4 56	14°26'03	2♉23	26°36	29°27	24°18	27°34	21°25	11°15	29°31	21°51	27°57	27°21	15° 9	9°26	F 7
S 8	23 8 53	15°24'28	15° 9	27°30	0♎41	24°52	27°31	21°31	11°19	29°33	21°51	27°51	27°18	15°16	9°23	S 8
S 9	23 12 49	16°22'55	28° 9	28°31	1°55	25°25	27°28	21°38	11°23	29°34	21°51	27°48	27°15	15°23	9°21	S 9
M10	23 16 46	17°21'24	11♊26	29°39	3°10	25°59	27°25	21°44	11°27	29°36	21°50	27°47	27°12	15°29	9°18	M10
T 11	23 20 43	18°19'56	25° 2	0♍54	4°24	26°32	27°23	21°51	11°30	29°38	21°50	27°47	27° 9	15°36	9°16	T 11
W12	23 24 39	19°18'29	8♋59	2°14	5°38	27° 5	27°20	21°57	11°34	29°40	21°50	27°46	27° 5	15°43	9°13	W12
T 13	23 28 36	20°17'05	23°17	3°40	6°53	27°38	27°18	22° 4	11°38	29°41	21°49	27°45	27° 2	15°49	9°11	T 13
F 14	23 32 32	21°15'44	7♌56	5°10	8° 7	28°11	27°16	22°10	11°42	29°43	21°49	27°41	26°59	15°56	9° 8	F 14
S 15	23 36 29	22°14'24	22°49	6°44	9°21	28°43	27°15	22°17	11°45	29°45	21°48	27°34	26°56	16° 3	9° 5	S 15
S 16	23 40 25	23°13'06	7♍51	8°22	10°35	29°16	27°13	22°23	11°49	29°47	21°48	27°24	26°53	16° 9	9° 3	S 16
M17	23 44 22	24°11'51	22°52	10° 2	11°50	29°48	27°12	22°30	11°53	29°49	21°47	27°13	26°50	16°16	9° 0	M17
T 18	23 48 18	25°10'37	7♎42	11°45	13° 4	0♋19	27°11	22°37	11°57	29°51	21°47	27° 2	26°46	16°23	8°57	T 18
W19	23 52 15	26° 9'25	22°13	13°30	14°18	0°51	27°10	22°43	12° 0	29°53	21°46	26°51	26°43	16°30	8°54	W19
T 20	23 56 12	27° 8'16	6♏18	15°16	15°33	1°22	27° 9	22°50	12° 4	29°55	21°45	26°42	26°40	16°36	8°52	T 20
F 21	0 0 8	28° 7'08	19°54	17° 3	16°47	1°53	27° 9	22°57	12° 8	29°57	21°45	26°36	26°37	16°43	8°49	F 21
S 22	0 4 5	29° 6'02	3♐ 3	18°51	18° 1	2°24	27° 9	23° 4	12°11	29°59	21°44	26°32	26°34	16°50	8°46	S 22
S 23	0 8 1	0♎ 4'57	15°46	20°40	19°15	2°55	27°D 8	23°11	12°15	0♏ 1	21°44	26°31	26°31	16°56	8°43	S 23
M24	0 11 58	1° 3'55	28° 8	22°28	20°30	3°25	27° 9	23°18	12°19	0° 3	21°43	26°31	26°27	17° 3	8°41	M24
T 25	0 15 54	2° 2'54	10♑14	24°17	21°44	3°55	27° 9	23°24	12°22	0° 5	21°42	26°31	26°24	17°10	8°38	T 25
W26	0 19 51	3° 1'55	22° 9	26° 6	22°58	4°25	27° 9	23°31	12°26	0° 7	21°42	26°29	26°21	17°16	8°35	W26
T 27	0 23 47	4° 0'58	3♒59	27°54	24°12	4°54	27°10	23°38	12°29	0° 9	21°41	26°26	26°18	17°23	8°32	T 27
F 28	0 27 44	5° 0'03	15°48	29°43	25°27	5°23	27°11	23°45	12°33	0°11	21°40	26°20	26°15	17°30	8°29	F 28
S 29	0 31 41	5°59'09	27°41	1♎30	26°41	5°52	27°12	23°52	12°36	0°13	21°39	26°12	26°11	17°36	8°27	S 29
S 30	0 35 37	6♎58'17	9♓41	3♎17	27♎55	6♋21	27♑13	23♎59	12♍40	0♏15	21♉39	26♊ 1	26♊ 8	17♒43	8♈24	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n22	18s47	3s52	11n58	1s37	4n22	1n18	22n52	0s18	21s22	0s45	5s59	2n20	8n11	0n44	9s37	1n45	4n31	14s13	23n29	23n28	20s 7	5n58	2n19
S 2	8 0	15 16	4 27	12 15	1 18	3 52	1 17	22 56	0 17	21 22	0 45	6 1	2 19	8 9	0 44	9 38	1 45	4 31	14 13	23 29	23 28	20 5	5 58	2 19
M 3	7 38	11 8	4 50	12 29	0 59	3 21	1 16	22 59	0 16	21 23	0 45	6 4	2 19	8 8	0 44	9 39	1 45	4 31	14 13	23 29	23 28	20 4	5 57	2 19
T 4	7 16	6 31	5 0	12 39	0 41	2 51	1 15	23 2	0 14	21 24	0 45	6 6	2 19	8 6	0 44	9 39	1 45	4 30	14 14	23 29	23 28	20 2	5 56	2 19
W 5	6 53	1 36	4 57	12 46	0 24	2 20	1 14	23 5	0 13	21 25	0 45	6 9	2 19	8 5	0 44	9 40	1 45	4 30	14 14	23 29	23 28	20 1	5 55	2 19
T 6	6 31	3n27	4 40	12 49	0 7	1 49	1 12	23 8	0 12	21 25	0 45	6 11	2 19	8 3	0 44	9 40	1 45	4 30	14 14	23 28	23 28	19 59	5 54	2 19
F 7	6 8	8 26	4 9	12 48	0n 8	1 18	1 11	23 11	0 11	21 26	0 45	6 14	2 19	8 2	0 44	9 41	1 45	4 29	14 14	23 28	23 28	19 58	5 53	2 19
S 8	5 46	13 9	3 25	12 43	0 23	0 47	1 10	23 14	0 10	21 27	0 45	6 16	2 19	8 1	0 44	9 42	1 45	4 29	14 15	23 28	23 28	19 57	5 52	2 19
S 9	5 23	17 21	2 30	12 35	0 36	0 17	1 8	23 16	0 8	21 27	0 45	6 18	2 18	7 59	0 44	9 42	1 45	4 29	14 15	23 28	23 28	19 55	5 51	2 19
M10	5 0	20 47	1 25	12 23	0 49	0s14	1 7	23 18	0 7	21 28	0 45	6 21	2 18	7 58	0 44	9 43	1 45	4 28	14 15	23 28	23 27	19 54	5 50	2 19
T 11	4 37	23 9	0 15	12 7	1 0	0 45	1 5	23 21	0 6	21 28	0 45	6 23	2 18	7 56	0 44	9 44	1 45	4 28	14 15	23 28	23 27	19 52	5 49	2 19
W12	4 14	24 10	0n59	11 47	1 10	1 16	1 3	23 23	0 5	21 29	0 45	6 26	2 18	7 55	0 44	9 44	1 45	4 28	14 15	23 28	23 27	19 51	5 48	2 19
T 13	3 51	23 37	2 10	11 25	1 19	1 47	1 2	23 25	0 3	21 29	0 45	6 29	2 18	7 53	0 44	9 45	1 45	4 27	14 16	23 28	23 27	19 49	5 47	2 19
F 14	3 28	21 28	3 15	10 59	1 27	2 18	1 0	23 26	0 2	21 29	0 45	6 31	2 18	7 52	0 44	9 46	1 45	4 27	14 16	23 28	23 27	19 48	5 46	2 19
S 15	3 5	17 50	4 7	10 30	1 34	2 49	0 58	23 28	0 1	21 30	0 45	6 34	2 18	7 51	0 44	9 46	1 45	4 27	14 16	23 28	23 27	19 46	5 44	2 19
S 16	2 42	13 1	4 43	9 59	1 39	3 20	0 56	23 30	0n 0	21 30	0 45	6 36	2 18	7 49	0 44	9 47	1 45	4 26	14 16	23 28	23 27	19 45	5 43	2 19
M17	2 19	7 25	4 59	9 25	1 44	3 51	0 55	23 31	0 2	21 30	0 45	6 39	2 17	7 48	0 44	9 48	1 45	4 26	14 17	23 28	23 27	19 43	5 42	2 19
T 18	1 55	1 27	4 55	8 49	1 47	4 22	0 53	23 32	0 3	21 30	0 45	6 41	2 17	7 46	0 44	9 48	1 45	4 26	14 17	23 27	23 27	19 42	5 41	2 19
W19	1 32	4s28	4 32	8 11	1 50	4 52	0 51	23 34	0 5	21 30	0 45	6 44	2 17	7 45	0 44	9 49	1 45	4 25	14 17	23 27	23 27	19 40	5 40	2 19
T 20	1 8	9 59	3 52	7 32	1 51	5 23	0 49	23 35	0 6	21 31	0 45	6 46	2 17	7 44	0 44	9 50	1 45	4 25	14 17	23 27	23 27	19 39	5 39	2 19
F 21	0 45	14 51	3 1	6 51	1 52	5 54	0 46	23 36	0 7	21 31	0 45	6 49	2 17	7 42	0 44	9 51	1 45	4 25	14 18	23 27	23 27	19 37	5 38	2 19
S 22	0 22	18 50	2 1	6 8	1 52	6 24	0 44	23 37	0 9	21 31	0 45	6 52	2 17	7 41	0 44	9 51	1 45	4 24	14 18	23 27	23 27	19 36	5 37	2 19
S 23	0s 2	21 47	0 57	5 25	1 51	6 54	0 42	23 37	0 10	21 31	0 45	6 54	2 17	7 39	0 44	9 52	1 45	4 24	14 18	23 27	23 26	19 34	5 35	2 19
M24	0 25	23 37	0s 9	4 41	1 50	7 24	0 40	23 38	0 12	21 31	0 45	6 57	2 17	7 38	0 44	9 53	1 44	4 24	14 18	23 27	23 26	19 33	5 34	2 19
T 25	0 49	24 17	1 12	3 56	1 48	7 54	0 38	23 39	0 13	21 31	0 45	7 0	2 17	7 37	0 44	9 53	1 44	4 23	14 18	23 26	23 26	19 31	5 33	2 19
W26	1 12	23 49	2 11	3 10	1 45	8 24	0 35	23 39	0 14	21 30	0 45	7 2	2 17	7 35	0 44	9 54	1 44	4 23	14 19	23 26	23 26	19 30	5 32	2 19
T 27	1 36	22 17	3 4	2 24	1 42	8 54	0 33	23 40	0 16	21 30	0 45	7 5	2 17	7 34	0 44	9 55	1 44	4 22	14 19	23 26	23 26	19 28	5 31	2 19
F 28	1 59	19 47	3 49	1 38	1 39	9 23	0 31	23 40	0 17	21 30	0 45	7 7	2 17	7 33	0 44	9 56	1 44	4 22	14 19	23 26	23 26	19 27	5 30	2 19
S 29	2 23	16 26	4 25	0 51	1 35	9 52	0 28	23 40	0 19	21 30	0 45	7 10	2 16	7 31	0 44	9 56	1 44	4 22	14 19	23 26	23 26	19 25	5 28	2 18
S 30	2s46	12s24	4s48	0n 5	1n31	10s21	0n26	23n41	0n21	21s30	0s45	7s13	2n16	7n30	0n44	9s57	1n44	4n21	14s19	23n26	23n26	19s23	5n27	2n18

Julian Day Number = 2316283.5, Delta T = 58.23 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'17, Lahiri = 18°41'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

OCTOBER 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 39 34	7♎57'27	21♓49	5♎ 4	29♎ 9	6♋49	27♑15	24♎ 6	12♍44	0♏17	21°R38	25°R48	26♊ 5	17♒50	8°R21	M 1
T 2	0 43 30	8°56'40	4♈ 8	6°49	0♏23	7°17	27°16	24°14	12°47	0°19	21♉37	25♊34	26° 2	17°56	8♈18	T 2
W 3	0 47 27	9°55'54	16°38	8°35	1°38	7°45	27°18	24°21	12°50	0°21	21°36	25°21	25°59	18° 3	8°15	W 3
T 4	0 51 23	10°55'10	29°18	10°19	2°52	8°12	27°20	24°28	12°54	0°23	21°36	25°10	25°56	18°10	8°13	T 4
F 5	0 55 20	11°54'29	12♉ 9	12° 3	4° 6	8°39	27°23	24°35	12°57	0°26	21°35	25° 1	25°52	18°17	8°10	F 5
S 6	0 59 16	12°53'49	25°11	13°46	5°20	9° 6	27°25	24°42	13° 1	0°28	21°34	24°55	25°49	18°23	8° 7	S 6
S 7	1 3 13	13°53'12	8♊25	15°28	6°34	9°33	27°28	24°49	13° 4	0°30	21°33	24°51	25°46	18°30	8° 4	S 7
M 8	1 7 9	14°52'38	21°50	17° 9	7°48	9°59	27°30	24°56	13° 8	0°32	21°32	24°D50	25°43	18°37	8° 1	M 8
T 9	1 11 6	15°52'06	5♋28	18°50	9° 3	10°24	27°33	25° 4	13°11	0°34	21°31	24°51	25°40	18°43	7°59	T 9
W10	1 15 3	16°51'36	19°20	20°30	10°17	10°50	27°37	25°11	13°14	0°36	21°30	24°R51	25°37	18°50	7°56	W10
T 11	1 18 59	17°51'08	3♌27	22°10	11°31	11°15	27°40	25°18	13°17	0°39	21°30	24°50	25°33	18°57	7°53	T 11
F 12	1 22 56	18°50'43	17°47	23°49	12°45	11°40	27°44	25°25	13°21	0°41	21°29	24°47	25°30	19° 3	7°50	F 12
S 13	1 26 52	19°50'20	2♍19	25°27	13°59	12° 4	27°47	25°32	13°24	0°43	21°28	24°41	25°27	19°10	7°47	S 13
S 14	1 30 49	20°49'59	16°57	27° 4	15°13	12°28	27°51	25°40	13°27	0°45	21°27	24°33	25°24	19°17	7°45	S 14
M15	1 34 45	21°49'41	1♎34	28°41	16°28	12°51	27°55	25°47	13°30	0°47	21°26	24°24	25°21	19°24	7°42	M15
T 16	1 38 42	22°49'24	16° 5	0♏18	17°42	13°14	28° 0	25°54	13°33	0°50	21°25	24°13	25°17	19°30	7°39	T 16
W17	1 42 38	23°49'10	0♏21	1°53	18°56	13°37	28° 4	26° 1	13°37	0°52	21°24	24° 4	25°14	19°37	7°37	W17
T 18	1 46 35	24°48'57	14°17	3°28	20°10	13°59	28° 9	26° 9	13°40	0°54	21°23	23°56	25°11	19°44	7°34	T 18
F 19	1 50 32	25°48'47	27°50	5° 3	21°24	14°21	28°14	26°16	13°43	0°56	21°22	23°51	25° 8	19°50	7°31	F 19
S 20	1 54 28	26°48'38	10♐58	6°37	22°38	14°43	28°19	26°23	13°46	0°59	21°21	23°48	25° 5	19°57	7°29	S 20
S 21	1 58 25	27°48'32	23°42	8°10	23°52	15° 4	28°24	26°30	13°49	1° 1	21°20	23°D47	25° 2	20° 4	7°26	S 21
M22	2 2 21	28°48'27	6♑ 6	9°43	25° 6	15°24	28°29	26°38	13°52	1° 3	21°19	23°47	24°58	20°10	7°23	M22
T 23	2 6 18	29°48'23	18°14	11°16	26°20	15°44	28°35	26°45	13°55	1° 5	21°18	23°48	24°55	20°17	7°21	T 23
W24	2 10 14	0♏48'22	0♒11	12°48	27°34	16° 4	28°41	26°52	13°57	1° 8	21°17	23°R49	24°52	20°24	7°18	W24
T 25	2 14 11	1°48'22	12° 3	14°19	28°48	16°23	28°47	26°59	14° 0	1°10	21°16	23°48	24°49	20°31	7°16	T 25
F 26	2 18 7	2°48'23	23°54	15°50	0♐ 3	16°41	28°53	27° 7	14° 3	1°12	21°15	23°46	24°46	20°37	7°13	F 26
S 27	2 22 4	3°48'26	5♓49	17°21	1°17	16°59	28°59	27°14	14° 6	1°14	21°14	23°41	24°42	20°44	7°11	S 27
S 28	2 26 1	4°48'31	17°52	18°51	2°31	17°17	29° 5	27°21	14° 9	1°17	21°13	23°34	24°39	20°51	7° 9	S 28
M29	2 29 57	5°48'37	0♈ 7	20°21	3°45	17°34	29°12	27°28	14°11	1°19	21°11	23°26	24°36	20°57	7° 6	M29
T 30	2 33 54	6°48'45	12°36	21°50	4°59	17°51	29°18	27°36	14°14	1°21	21°10	23°17	24°33	21° 4	7° 4	T 30
W31	2 37 50	7♏48'55	25♈20	23♏18	6♐12	18♋ 7	29♑25	27♎43	14♍17	1♏23	21♉ 9	23♊ 9	24♊30	21♒11	7♈ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s10	7s50	5s 0	0s42	1n26	10s50	0n23	23n41	0n22	21s29	0s45	7s15	2n16	7n29	0n44	9s58	1n44	4n21	14s19	23n25	23n26	19s22	5n26	2n18
T 2	3 33	2 54	4 57	1 28	1 21	11 18	0 21	23 41	0 24	21 29	0 45	7 18	2 16	7 27	0 44	9 59	1 44	4 21	14 20	23 25	23 26	19 20	5 25	2 18
W 3	3 57	2n14	4 40	2 15	1 16	11 47	0 18	23 41	0 25	21 29	0 45	7 21	2 16	7 26	0 44	9 59	1 44	4 20	14 20	23 24	23 26	19 19	5 24	2 18
T 4	4 20	7 21	4 10	3 1	1 10	12 15	0 16	23 41	0 27	21 28	0 45	7 23	2 16	7 25	0 44	10 0	1 44	4 20	14 20	23 24	23 25	19 17	5 23	2 18
F 5	4 43	12 15	3 26	3 47	1 5	12 42	0 13	23 41	0 28	21 28	0 45	7 26	2 16	7 23	0 44	10 1	1 44	4 20	14 20	23 24	23 25	19 16	5 21	2 18
S 6	5 6	16 40	2 30	4 32	0 59	13 10	0 11	23 41	0 30	21 27	0 45	7 29	2 16	7 22	0 44	10 2	1 44	4 19	14 20	23 23	23 25	19 14	5 20	2 18
S 7	5 29	20 20	1 26	5 17	0 53	13 37	0 8	23 40	0 32	21 27	0 45	7 31	2 16	7 21	0 44	10 3	1 44	4 19	14 20	23 23	23 25	19 12	5 19	2 18
M 8	5 52	22 58	0 16	6 2	0 46	14 3	0 5	23 40	0 34	21 26	0 45	7 34	2 16	7 19	0 44	10 3	1 44	4 18	14 21	23 23	23 25	19 11	5 18	2 18
T 9	6 15	24 19	0n56	6 47	0 40	14 30	0 3	23 40	0 35	21 25	0 45	7 37	2 16	7 18	0 44	10 4	1 44	4 18	14 21	23 23	23 25	19 9	5 17	2 18
W10	6 38	24 10	2 6	7 30	0 34	14 56	0 0	23 40	0 37	21 25	0 45	7 39	2 16	7 17	0 44	10 5	1 44	4 18	14 21	23 23	23 25	19 8	5 15	2 18
T 11	7 1	22 30	3 10	8 14	0 27	15 22	0s 3	23 39	0 39	21 24	0 45	7 42	2 16	7 16	0 44	10 6	1 44	4 17	14 21	23 23	23 25	19 6	5 14	2 17
F 12	7 24	19 23	4 3	8 57	0 20	15 47	0 5	23 39	0 40	21 23	0 45	7 45	2 16	7 14	0 44	10 6	1 44	4 17	14 21	23 23	23 25	19 4	5 13	2 17
S 13	7 46	15 2	4 41	9 39	0 14	16 12	0 8	23 38	0 42	21 22	0 45	7 47	2 16	7 13	0 44	10 7	1 44	4 17	14 21	23 23	23 25	19 3	5 12	2 17
S 14	8 9	9 47	5 1	10 21	0 7	16 36	0 11	23 38	0 44	21 22	0 45	7 50	2 16	7 12	0 44	10 8	1 44	4 16	14 21	23 23	23 24	19 1	5 11	2 17
M15	8 31	3 58	5 1	11 2	0 0	17 1	0 14	23 38	0 46	21 21	0 44	7 52	2 16	7 11	0 44	10 9	1 44	4 16	14 22	23 22	23 24	18 59	5 9	2 17
T 16	8 54	2s 0	4 42	11 42	0s 7	17 24	0 16	23 37	0 48	21 20	0 44	7 55	2 16	7 10	0 44	10 10	1 44	4 16	14 22	23 22	23 24	18 58	5 8	2 17
W17	9 16	7 47	4 5	12 22	0 14	17 47	0 19	23 37	0 50	21 19	0 44	7 58	2 16	7 9	0 44	10 10	1 44	4 15	14 22	23 21	23 24	18 56	5 7	2 17
T 18	9 38	13 3	3 15	13 1	0 20	18 10	0 22	23 36	0 52	21 18	0 44	8 0	2 16	7 7	0 45	10 11	1 44	4 15	14 22	23 21	23 24	18 54	5 6	2 17
F 19	10 0	17 32	2 14	13 39	0 27	18 33	0 25	23 36	0 53	21 17	0 44	8 3	2 16	7 6	0 45	10 12	1 44	4 15	14 22	23 21	23 24	18 53	5 5	2 17
S 20	10 21	21 0	1 8	14 17	0 34	18 54	0 27	23 36	0 55	21 16	0 44	8 6	2 16	7 5	0 45	10 13	1 44	4 14	14 22	23 21	23 24	18 51	5 4	2 16
S 21	10 43	23 20	0 0	14 54	0 40	19 16	0 30	23 35	0 57	21 15	0 44	8 8	2 16	7 4	0 45	10 13	1 44	4 14	14 22	23 20	23 24	18 49	5 2	2 16
M22	11 4	24 26	1s 6	15 30	0 47	19 37	0 33	23 35	0 59	21 14	0 44	8 11	2 16	7 3	0 45	10 14	1 44	4 14	14 22	23 20	23 24	18 48	5 1	2 16
T 23	11 26	24 21	2 8	16 5	0 54	19 57	0 36	23 34	1 1	21 12	0 44	8 13	2 16	7 2	0 45	10 15	1 44	4 13	14 22	23 21	23 23	18 46	5 0	2 16
W24	11 47	23 8	3 3	16 40	1 0	20 17	0 38	23 34	1 3	21 11	0 44	8 16	2 16	7 1	0 45	10 16	1 44	4 13	14 23	23 21	23 23	18 44	4 59	2 16
T 25	12 8	20 53	3 50	17 14	1 7	20 36	0 41	23 34	1 6	21 10	0 44	8 19	2 16	7 0	0 45	10 17	1 44	4 13	14 23	23 21	23 23	18 43	4 58	2 16
F 26	12 28	17 46	4 27	17 46	1 13	20 55	0 44	23 34	1 8	21 9	0 44	8 21	2 16	6 59	0 45	10 17	1 44	4 12	14 23	23 20	23 23	18 41	4 57	2 16
S 27	12 49	13 56	4 53	18 18	1 19	21 13	0 46	23 33	1 10	21 7	0 44	8 24	2 16	6 57	0 45	10 18	1 44	4 12	14 23	23 20	23 23	18 39	4 56	2 15
S 28	13 9	9 29	5 6	18 50	1 25	21 30	0 49	23 33	1 12	21 6	0 44	8 26	2 16	6 56	0 45	10 19	1 44	4 12	14 23	23 20	23 23	18 38	4 55	2 15
M29	13 29	4 37	5 5	19 20	1 31	21 47	0 52	23 33	1 14	21 5	0 44	8 29	2 16	6 55	0 45	10 20	1 44	4 11	14 23	23 19	23 23	18 36	4 54	2 15
T 30	13 49	0n32	4 50	19 49	1 37	22 4	0 54	23 33	1 16	21 3	0 44	8 31	2 16	6 54	0 45	10 20	1 44	4 11	14 23	23 19	23 23	18 34	4 53	2 15
W31	14s 9	5n46	4s21	20s17	1s42	22s19	0s57	23n33	1n18	21s 2	0s44	8s34	2n16	6n53	0n45	10s21	1n44	4n11	14s23	23n19	23n22	18s32	4n51	2n15

Julian Day Number = 2316313.5, Delta T = 58.16 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'21, Lahiri = 18°41'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1629
geocentric

NOVEMBER 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 47	8♏49'07	8♉19	24♏46	7♐26	18♋22	29♑32	27♎50	14♍19	1♏26	21°R 8	23°R 1	24♊27	21♒17	6°R59	T 1
F 2	2 45 43	9°49'20	21°32	26°14	8°40	18°37	29°39	27°57	14°22	1°28	21♉ 7	22♊56	24°23	21°24	6♈57	F 2
S 3	2 49 40	10°49'36	4♊57	27°41	9°54	18°51	29°47	28° 4	14°24	1°30	21° 6	22°52	24°20	21°31	6°55	S 3
S 4	2 53 36	11°49'53	18°34	29° 7	11° 8	19° 5	29°54	28°11	14°27	1°32	21° 5	22°D50	24°17	21°37	6°52	S 4
M 5	2 57 33	12°50'12	2♋20	0♐33	12°22	19°18	0♒ 2	28°18	14°29	1°34	21° 4	22°51	24°14	21°44	6°50	M 5
T 6	3 1 30	13°50'33	16°14	1°58	13°36	19°30	0°10	28°26	14°31	1°37	21° 3	22°52	24°11	21°51	6°48	T 6
W 7	3 5 26	14°50'56	0♌14	3°23	14°50	19°42	0°18	28°33	14°34	1°39	21° 2	22°53	24° 8	21°58	6°46	W 7
T 8	3 9 23	15°51'21	14°20	4°46	16° 4	19°53	0°26	28°40	14°36	1°41	21° 0	22°R54	24° 4	22° 4	6°44	T 8
F 9	3 13 19	16°51'48	28°31	6° 9	17°18	20° 4	0°34	28°47	14°38	1°43	20°59	22°54	24° 1	22°11	6°42	F 9
S 10	3 17 16	17°52'17	12♍44	7°31	18°31	20°14	0°42	28°54	14°40	1°45	20°58	22°51	23°58	22°18	6°40	S 10
S 11	3 21 12	18°52'48	26°57	8°52	19°45	20°23	0°51	29° 1	14°43	1°48	20°57	22°48	23°55	22°24	6°38	S 11
M12	3 25 9	19°53'20	11♎ 6	10°12	20°59	20°32	0°59	29° 8	14°45	1°50	20°56	22°43	23°52	22°31	6°36	M12
T 13	3 29 5	20°53'55	25° 8	11°30	22°13	20°39	1° 8	29°15	14°47	1°52	20°55	22°38	23°48	22°38	6°34	T 13
W14	3 33 2	21°54'31	8♏58	12°47	23°27	20°46	1°17	29°22	14°49	1°54	20°54	22°33	23°45	22°45	6°33	W14
T 15	3 36 59	22°55'08	22°33	14° 2	24°40	20°53	1°26	29°28	14°51	1°56	20°53	22°29	23°42	22°51	6°31	T 15
F 16	3 40 55	23°55'47	5♐51	15°15	25°54	20°58	1°35	29°35	14°53	1°58	20°51	22°26	23°39	22°58	6°29	F 16
S 17	3 44 52	24°56'28	18°49	16°26	27° 8	21° 3	1°45	29°42	14°54	2° 0	20°50	22°D25	23°36	23° 5	6°28	S 17
S 18	3 48 48	25°57'10	1♑29	17°34	28°22	21° 7	1°54	29°49	14°56	2° 3	20°49	22°25	23°33	23°11	6°26	S 18
M19	3 52 45	26°57'53	13°52	18°40	29°35	21°11	2° 4	29°56	14°58	2° 5	20°48	22°26	23°29	23°18	6°24	M19
T 20	3 56 41	27°58'37	26° 0	19°42	0♑49	21°13	2°13	0♏ 2	15° 0	2° 7	20°47	22°28	23°26	23°25	6°23	T 20
W21	4 0 38	28°59'23	7♒59	20°41	2° 3	21°15	2°23	0° 9	15° 1	2° 9	20°46	22°30	23°23	23°31	6°21	W21
T 22	4 4 34	0♐ 0'09	19°51	21°35	3°16	21°16	2°33	0°16	15° 3	2°11	20°45	22°31	23°20	23°38	6°20	T 22
F 23	4 8 31	1° 0'57	1♓43	22°25	4°30	21°R16	2°43	0°22	15° 5	2°13	20°44	22°R32	23°17	23°45	6°19	F 23
S 24	4 12 28	2° 1'45	13°38	23° 9	5°43	21°15	2°53	0°29	15° 6	2°15	20°42	22°31	23°14	23°52	6°17	S 24
S 25	4 16 24	3° 2'34	25°41	23°47	6°57	21°14	3° 4	0°35	15° 7	2°17	20°41	22°30	23°10	23°58	6°16	S 25
M26	4 20 21	4° 3'24	7♈58	24°18	8°10	21°11	3°14	0°42	15° 9	2°19	20°40	22°27	23° 7	24° 5	6°15	M26
T 27	4 24 17	5° 4'16	20°31	24°41	9°24	21° 8	3°24	0°48	15°10	2°21	20°39	22°25	23° 4	24°12	6°14	T 27
W28	4 28 14	6° 5'08	3♉23	24°56	10°37	21° 4	3°35	0°55	15°11	2°23	20°38	22°22	23° 1	24°18	6°13	W28
T 29	4 32 10	7° 6'01	16°35	25°R 1	11°51	20°59	3°46	1° 1	15°13	2°25	20°37	22°20	22°58	24°25	6°12	T 29
F 30	4 36 7	8♐ 6'55	0♊ 7	24♐56	13♑ 4	20♋53	3♒57	1♏ 7	15♍14	2♏27	20♉36	22♊18	22♊54	24♒32	6♈11	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s28	10n53	3s37	20s44	1s48	22s34	1s 0	23n34	1n21	21s 0	0s44	8s37	2n16	6n52	0n45	10s22	1n44	4n10	14s23	23n18	23n22	18s31	4n50	2n15
F 2	14 47	15 35	2 41	21 10	1 53	22 49	1 2	23 34	1 23	20 59	0 44	8 39	2 16	6 52	0 45	10 23	1 44	4 10	14 23	23 18	23 22	18 29	4 49	2 15
S 3	15 6	19 36	1 35	21 36	1 58	23 3	1 5	23 34	1 25	20 57	0 44	8 42	2 16	6 51	0 45	10 23	1 44	4 10	14 23	23 18	23 22	18 27	4 48	2 14
S 4	15 25	22 37	0 23	22 0	2 2	23 16	1 7	23 34	1 28	20 55	0 44	8 44	2 16	6 50	0 45	10 24	1 44	4 10	14 23	23 18	23 22	18 25	4 47	2 14
M 5	15 43	24 19	0n51	22 23	2 7	23 28	1 10	23 35	1 30	20 54	0 44	8 46	2 16	6 49	0 45	10 25	1 44	4 9	14 23	23 18	23 22	18 24	4 46	2 14
T 6	16 2	24 33	2 4	22 44	2 11	23 40	1 12	23 35	1 32	20 52	0 44	8 49	2 16	6 48	0 45	10 26	1 44	4 9	14 23	23 18	23 22	18 22	4 45	2 14
W 7	16 19	23 13	3 9	23 5	2 15	23 51	1 14	23 36	1 35	20 50	0 44	8 51	2 16	6 47	0 45	10 26	1 44	4 9	14 23	23 18	23 21	18 20	4 44	2 14
T 8	16 37	20 27	4 4	23 24	2 19	24 2	1 17	23 37	1 37	20 49	0 44	8 54	2 16	6 46	0 45	10 27	1 44	4 8	14 23	23 18	23 21	18 18	4 43	2 14
F 9	16 54	16 27	4 44	23 43	2 22	24 11	1 19	23 38	1 40	20 47	0 44	8 56	2 16	6 45	0 45	10 28	1 44	4 8	14 23	23 18	23 21	18 17	4 43	2 14
S 10	17 12	11 31	5 7	23 59	2 25	24 20	1 21	23 39	1 42	20 45	0 44	8 59	2 16	6 45	0 45	10 29	1 44	4 8	14 23	23 18	23 21	18 15	4 42	2 13
S 11	17 28	5 58	5 11	24 15	2 27	24 29	1 24	23 40	1 45	20 43	0 44	9 1	2 16	6 44	0 45	10 29	1 44	4 8	14 23	23 17	23 21	18 13	4 41	2 13
M12	17 45	0 8	4 56	24 29	2 30	24 36	1 26	23 41	1 47	20 41	0 44	9 4	2 16	6 43	0 45	10 30	1 44	4 7	14 23	23 17	23 21	18 11	4 40	2 13
T 13	18 1	5s40	4 23	24 42	2 31	24 43	1 28	23 42	1 50	20 39	0 43	9 6	2 17	6 42	0 45	10 31	1 44	4 7	14 23	23 17	23 21	18 9	4 39	2 13
W14	18 17	11 7	3 35	24 54	2 32	24 49	1 30	23 44	1 52	20 37	0 43	9 8	2 17	6 41	0 45	10 32	1 44	4 7	14 23	23 17	23 20	18 8	4 38	2 13
T 15	18 32	15 56	2 36	25 4	2 33	24 55	1 32	23 45	1 55	20 35	0 43	9 11	2 17	6 41	0 45	10 32	1 44	4 7	14 23	23 16	23 20	18 6	4 37	2 13
F 16	18 48	19 51	1 30	25 12	2 33	24 59	1 34	23 47	1 58	20 33	0 43	9 13	2 17	6 40	0 45	10 33	1 44	4 6	14 23	23 16	23 20	18 4	4 36	2 12
S 17	19 2	22 41	0 20	25 19	2 33	25 3	1 36	23 49	2 0	20 31	0 43	9 15	2 17	6 39	0 46	10 34	1 44	4 6	14 23	23 16	23 20	18 2	4 36	2 12
S 18	19 17	24 18	0s50	25 25	2 31	25 6	1 38	23 51	2 3	20 29	0 43	9 18	2 17	6 39	0 46	10 34	1 44	4 6	14 23	23 16	23 20	18 0	4 35	2 12
M19	19 31	24 40	1 55	25 29	2 29	25 9	1 40	23 53	2 6	20 27	0 43	9 20	2 17	6 38	0 46	10 35	1 44	4 6	14 23	23 16	23 20	17 59	4 34	2 12
T 20	19 45	23 51	2 54	25 32	2 27	25 11	1 41	23 56	2 9	20 24	0 43	9 22	2 17	6 37	0 46	10 36	1 45	4 6	14 23	23 16	23 19	17 57	4 33	2 12
W21	19 58	21 56	3 45	25 32	2 23	25 11	1 43	23 58	2 11	20 22	0 43	9 24	2 17	6 37	0 46	10 36	1 45	4 5	14 23	23 16	23 19	17 55	4 32	2 12
T 22	20 12	19 5	4 26	25 32	2 19	25 12	1 45	24 1	2 14	20 20	0 43	9 27	2 17	6 36	0 46	10 37	1 45	4 5	14 23	23 17	23 19	17 53	4 32	2 11
F 23	20 24	15 28	4 55	25 29	2 13	25 11	1 46	24 3	2 17	20 18	0 43	9 29	2 17	6 36	0 46	10 38	1 45	4 5	14 22	23 17	23 19	17 51	4 31	2 11
S 24	20 37	11 14	5 11	25 25	2 7	25 10	1 48	24 6	2 20	20 15	0 43	9 31	2 18	6 35	0 46	10 38	1 45	4 5	14 22	23 17	23 19	17 49	4 30	2 11
S 25	20 49	6 32	5 15	25 19	1 59	25 7	1 49	24 9	2 23	20 13	0 43	9 33	2 18	6 35	0 46	10 39	1 45	4 5	14 22	23 16	23 19	17 48	4 30	2 11
M26	21 0	1 29	5 4	25 12	1 50	25 5	1 51	24 12	2 25	20 10	0 43	9 35	2 18	6 34	0 46	10 40	1 45	4 4	14 22	23 16	23 19	17 46	4 29	2 11
T 27	21 11	3n44	4 38	25 2	1 39	25 1	1 52	24 16	2 28	20 8	0 43	9 37	2 18	6 34	0 46	10 40	1 45	4 4	14 22	23 16	23 18	17 44	4 28	2 10
W28	21 22	8 56	3 58	24 51	1 28	24 57	1 53	24 19	2 31	20 5	0 43	9 39	2 18	6 33	0 46	10 41	1 45	4 4	14 22	23 16	23 18	17 42	4 28	2 10
T 29	21 32	13 52	3 5	24 38	1 15	24 51	1 54	24 23	2 34	20 3	0 43	9 42	2 18	6 33	0 46	10 42	1 45	4 4	14 22	23 16	23 18	17 40	4 27	2 10
F 30	21s42	18n16	2s 0	24s23	1s 0	24s46	1s55	24n27	2n37	20s 0	0s43	9s44	2n18	6n32	0n46	10s42	1n45	4n 4	14s22	23n16	23n18	17s38	4n27	2n10

Julian Day Number = 2316344.5, Delta T = 58.09 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'26, Lahiri = 18°41'26Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1629
geocentric

DECEMBER 1629 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 3	9♐ 7'50	13♊56	24°R41	14♉17	20°R47	4♒ 8	1♏14	15♍15	2♏29	20°R35	22°R17	22♊51	24♒39	6°R10	S 1
S 2	4 44 0	10° 8'46	28° 0	24♐14	15°31	20♋40	4°19	1°20	15°16	2°30	20♉34	22°D17	22°48	24°45	6♈ 9	S 2
M 3	4 47 57	11° 9'43	12♋15	23°35	16°44	20°31	4°30	1°26	15°17	2°32	20°33	22♊18	22°45	24°52	6° 8	M 3
T 4	4 51 53	12°10'42	26°36	22°46	17°57	20°22	4°41	1°32	15°18	2°34	20°32	22°19	22°42	24°59	6° 7	T 4
W 5	4 55 50	13°11'41	10♌58	21°46	19°10	20°12	4°52	1°38	15°19	2°36	20°31	22°20	22°39	25° 5	6° 7	W 5
T 6	4 59 46	14°12'42	25°19	20°37	20°23	20° 1	5° 4	1°44	15°20	2°38	20°30	22°20	22°35	25°12	6° 6	T 6
F 7	5 3 43	15°13'43	9♍33	19°22	21°36	19°50	5°15	1°50	15°21	2°39	20°29	22°R21	22°32	25°19	6° 5	F 7
S 8	5 7 39	16°14'46	23°40	18° 1	22°50	19°37	5°27	1°56	15°21	2°41	20°28	22°21	22°29	25°25	6° 5	S 8
S 9	5 11 36	17°15'50	7♎37	16°38	24° 3	19°24	5°39	2° 2	15°22	2°43	20°27	22°20	22°26	25°32	6° 4	S 9
M10	5 15 32	18°16'54	21°23	15°16	25°15	19°10	5°50	2° 7	15°23	2°45	20°26	22°20	22°23	25°39	6° 4	M10
T 11	5 19 29	19°18'00	4♏58	13°57	26°28	18°55	6° 2	2°13	15°23	2°46	20°25	22°19	22°20	25°46	6° 3	T 11
W12	5 23 26	20°19'07	18°20	12°44	27°41	18°40	6°14	2°19	15°24	2°48	20°24	22°19	22°16	25°52	6° 3	W12
T 13	5 27 22	21°20'14	1♐28	11°39	28°54	18°23	6°26	2°24	15°24	2°50	20°23	22°19	22°13	25°59	6° 3	T 13
F 14	5 31 19	22°21'22	14°24	10°43	0♒ 7	18° 6	6°38	2°30	15°25	2°51	20°22	22°D19	22°10	26° 6	6° 3	F 14
S 15	5 35 15	23°22'31	27° 5	9°58	1°20	17°48	6°51	2°35	15°25	2°53	20°21	22°R19	22° 7	26°12	6° 3	S 15
S 16	5 39 12	24°23'40	9♑34	9°23	2°32	17°30	7° 3	2°41	15°25	2°55	20°20	22°19	22° 4	26°19	6° 2	S 16
M17	5 43 8	25°24'50	21°50	8°59	3°45	17°11	7°15	2°46	15°25	2°56	20°19	22°19	22° 0	26°26	6°D 2	M17
T 18	5 47 5	26°26'00	3♒55	8°46	4°58	16°51	7°28	2°51	15°26	2°58	20°18	22°18	21°57	26°33	6° 2	T 18
W19	5 51 2	27°27'10	15°53	8°D43	6°10	16°31	7°40	2°57	15°26	2°59	20°17	22°18	21°54	26°39	6° 3	W19
T 20	5 54 58	28°28'20	27°45	8°50	7°23	16°10	7°53	3° 2	15°26	3° 1	20°16	22°17	21°51	26°46	6° 3	T 20
F 21	5 58 55	29°29'30	9♓36	9° 5	8°35	15°48	8° 6	3° 7	15°R26	3° 2	20°16	22°16	21°48	26°53	6° 3	F 21
S 22	6 2 51	0♑30'40	21°29	9°28	9°47	15°27	8°18	3°12	15°26	3° 3	20°15	22°15	21°45	26°59	6° 3	S 22
S 23	6 6 48	1°31'50	3♈31	9°59	11° 0	15° 4	8°31	3°17	15°26	3° 5	20°14	22°D15	21°41	27° 6	6° 4	S 23
M24	6 10 44	2°33'01	15°44	10°35	12°12	14°42	8°44	3°22	15°25	3° 6	20°13	22°16	21°38	27°13	6° 4	M24
T 25	6 14 41	3°34'11	28°14	11°18	13°24	14°19	8°57	3°26	15°25	3° 7	20°12	22°16	21°35	27°20	6° 4	T 25
W26	6 18 37	4°35'20	11♉ 5	12° 5	14°36	13°56	9°10	3°31	15°25	3° 9	20°12	22°18	21°32	27°26	6° 5	W26
T 27	6 22 34	5°36'30	24°19	12°58	15°48	13°32	9°23	3°36	15°25	3°10	20°11	22°19	21°29	27°33	6° 5	T 27
F 28	6 26 31	6°37'40	7♊58	13°54	17° 0	13° 9	9°36	3°40	15°24	3°11	20°10	22°20	21°26	27°40	6° 6	F 28
S 29	6 30 27	7°38'49	22° 2	14°54	18°11	12°45	9°50	3°45	15°24	3°13	20° 9	22°R20	21°22	27°46	6° 7	S 29
S 30	6 34 24	8°39'59	6♋27	15°57	19°23	12°21	10° 3	3°49	15°23	3°14	20° 9	22°20	21°19	27°53	6° 7	S 30
M31	6 38 20	9♑41'08	21♋ 9	17♐ 3	20♒35	11♋57	10♒16	3♏53	15♍23	3♏15	20♉ 8	22♊18	21♊16	28♒ 0	6♈ 8	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s52	21n45	0s46	24s 7	0s44	24s39	1s56	24n30	2n40	19s58	0s43	9s46	2n18	6n32	0n46	10s43	1n45	4n 4	14s22	23n16	23n18	17s36	4n26	2n10
S 2	22 1	24 0	0n32	23 48	0 27	24 32	1 57	24 34	2 43	19 55	0 43	9 48	2 18	6 32	0 46	10 44	1 45	4 3	14 21	23 16	23 17	17 34	4 26	2 10
M 3	22 10	24 43	1 48	23 28	0 8	24 24	1 58	24 39	2 45	19 52	0 43	9 50	2 19	6 31	0 46	10 44	1 45	4 3	14 21	23 16	23 17	17 33	4 25	2 9
T 4	22 18	23 48	2 59	23 6	0n11	24 15	1 59	24 43	2 48	19 50	0 43	9 52	2 19	6 31	0 46	10 45	1 45	4 3	14 21	23 16	23 17	17 31	4 25	2 9
W 5	22 26	21 20	3 58	22 43	0 31	24 5	2 0	24 47	2 51	19 47	0 43	9 54	2 19	6 31	0 46	10 45	1 45	4 3	14 21	23 16	23 17	17 29	4 24	2 9
T 6	22 33	17 32	4 43	22 18	0 51	23 55	2 0	24 52	2 54	19 44	0 43	9 56	2 19	6 30	0 46	10 46	1 45	4 3	14 21	23 16	23 17	17 27	4 24	2 9
F 7	22 40	12 46	5 9	21 52	1 11	23 44	2 1	24 56	2 57	19 41	0 43	9 57	2 19	6 30	0 46	10 46	1 45	4 3	14 21	23 16	23 17	17 25	4 23	2 9
S 8	22 47	7 22	5 17	21 26	1 31	23 33	2 1	25 1	3 0	19 39	0 43	9 59	2 19	6 30	0 46	10 47	1 45	4 3	14 21	23 16	23 16	17 23	4 23	2 8
S 9	22 53	1 39	5 6	21 0	1 49	23 20	2 1	25 5	3 2	19 36	0 43	10 1	2 19	6 30	0 46	10 48	1 45	4 3	14 20	23 16	23 16	17 21	4 23	2 8
M10	22 58	4s 4	4 37	20 35	2 6	23 7	2 2	25 10	3 5	19 33	0 43	10 3	2 20	6 29	0 46	10 48	1 45	4 3	14 20	23 16	23 16	17 19	4 22	2 8
T 11	23 3	9 32	3 54	20 12	2 20	22 54	2 2	25 15	3 8	19 30	0 43	10 5	2 20	6 29	0 47	10 49	1 45	4 3	14 20	23 16	23 16	17 17	4 22	2 8
W12	23 8	14 28	2 58	19 51	2 32	22 39	2 2	25 20	3 11	19 27	0 43	10 7	2 20	6 29	0 47	10 49	1 45	4 2	14 20	23 16	23 16	17 15	4 22	2 8
T 13	23 12	18 39	1 53	19 33	2 42	22 25	2 2	25 25	3 13	19 24	0 43	10 8	2 20	6 29	0 47	10 50	1 45	4 2	14 20	23 16	23 16	17 13	4 21	2 7
F 14	23 16	21 51	0 44	19 18	2 50	22 9	2 2	25 30	3 16	19 21	0 43	10 10	2 20	6 29	0 47	10 50	1 45	4 2	14 20	23 16	23 15	17 11	4 21	2 7
S 15	23 19	23 54	0s26	19 6	2 55	21 53	2 2	25 35	3 19	19 18	0 43	10 12	2 20	6 29	0 47	10 51	1 45	4 2	14 19	23 16	23 15	17 9	4 21	2 7
S 16	23 22	24 43	1 34	18 58	2 58	21 36	2 1	25 40	3 21	19 14	0 43	10 14	2 21	6 29	0 47	10 51	1 45	4 2	14 19	23 16	23 15	17 7	4 21	2 7
M17	23 24	24 17	2 37	18 53	2 59	21 19	2 1	25 45	3 24	19 11	0 43	10 15	2 21	6 29	0 47	10 52	1 46	4 2	14 19	23 16	23 15	17 5	4 20	2 7
T 18	23 26	22 44	3 31	18 52	2 59	21 1	2 0	25 50	3 26	19 8	0 43	10 17	2 21	6 28	0 47	10 52	1 46	4 2	14 19	23 16	23 15	17 4	4 20	2 6
W19	23 28	20 10	4 15	18 53	2 57	20 42	2 0	25 55	3 28	19 5	0 43	10 18	2 21	6 28	0 47	10 53	1 46	4 2	14 19	23 16	23 14	17 2	4 20	2 6
T 20	23 29	16 47	4 48	18 58	2 53	20 23	1 59	25 59	3 31	19 2	0 43	10 20	2 21	6 29	0 47	10 53	1 46	4 2	14 18	23 16	23 14	17 0	4 20	2 6
F 21	23 29	12 45	5 9	19 4	2 49	20 3	1 58	26 4	3 33	18 58	0 43	10 22	2 21	6 29	0 47	10 54	1 46	4 2	14 18	23 16	23 14	16 58	4 20	2 6
S 22	23 29	8 14	5 17	19 13	2 43	19 43	1 57	26 9	3 35	18 55	0 43	10 23	2 22	6 29	0 47	10 54	1 46	4 2	14 18	23 16	23 14	16 56	4 20	2 6
S 23	23 29	3 21	5 11	19 24	2 37	19 22	1 57	26 14	3 37	18 52	0 43	10 25	2 22	6 29	0 47	10 54	1 46	4 2	14 18	23 16	23 14	16 54	4 20	2 5
M24	23 28	1n44	4 51	19 36	2 30	19 1	1 55	26 18	3 39	18 48	0 43	10 26	2 22	6 29	0 47	10 55	1 46	4 2	14 17	23 16	23 13	16 52	4 20	2 5
T 25	23 26	6 52	4 17	19 49	2 23	18 39	1 54	26 23	3 41	18 45	0 43	10 27	2 22	6 29	0 47	10 55	1 46	4 2	14 17	23 16	23 13	16 50	4 20	2 5
W26	23 24	11 52	3 29	20 3	2 15	18 17	1 53	26 27	3 43	18 42	0 43	10 29	2 22	6 29	0 47	10 56	1 46	4 2	14 17	23 16	23 13	16 48	4 20	2 5
T 27	23 22	16 29	2 29	20 18	2 7	17 55	1 52	26 31	3 44	18 38	0 43	10 30	2 23	6 29	0 47	10 56	1 46	4 2	14 17	23 16	23 13	16 46	4 20	2 5
F 28	23 19	20 23	1 19	20 33	1 59	17 31	1 50	26 35	3 46	18 35	0 43	10 32	2 23	6 29	0 47	10 56	1 46	4 2	14 16	23 16	23 13	16 44	4 20	2 5
S 29	23 16	23 13	0 2	20 48	1 50	17 8	1 49	26 39	3 48	18 31	0 43	10 33	2 23	6 30	0 47	10 57	1 46	4 2	14 16	23 16	23 12	16 42	4 20	2 4
S 30	23 12	24 37	1n17	21 3	1 42	16 44	1 47	26 43	3 49	18 27	0 43	10 34	2 23	6 30	0 47	10 57	1 46	4 3	14 16	23 16	23 12	16 40	4 20	2 4
M31	23s 8	24n20	2n33	21s19	1n33	16s19	1s45	26n46	3n50	18s24	0s43	10s35	2n23	6n30	0n47	10s57	1n46	4n 3	14s16	23n16	23n12	16s38	4n20	2n 4

Julian Day Number = 2316374.5, Delta T = 58.03 sec
Ecliptic obliquity = 23°29'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'30, Lahiri = 18°41'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

JANUARY 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 42 17	10♉42'17	5♌59	18♐11	21♒46	11°R33	10♒30	3♏57	15°R22	3♏16	20°R 7	22°R16	21♊13	28♒ 7	6♈ 9	T 1
W 2	6 46 13	11°43'27	20°51	19°22	22°57	11♋ 9	10°43	4° 2	15♍21	3°17	20♉ 7	22♊14	21°10	28°13	6°10	W 2
T 3	6 50 10	12°44'36	5♍36	20°34	24° 9	10°45	10°56	4° 6	15°21	3°18	20° 6	22°11	21° 6	28°20	6°11	T 3
F 4	6 54 6	13°45'45	20° 8	21°49	25°20	10°21	11°10	4°10	15°20	3°19	20° 5	22° 9	21° 3	28°27	6°12	F 4
S 5	6 58 3	14°46'54	4♎23	23° 5	26°31	9°58	11°24	4°14	15°19	3°20	20° 5	22° 7	21° 0	28°33	6°13	S 5
S 6	7 2 0	15°48'03	18°19	24°23	27°42	9°35	11°37	4°17	15°18	3°21	20° 4	22°D 7	20°57	28°40	6°14	S 6
M 7	7 5 56	16°49'12	1♏55	25°42	28°53	9°12	11°51	4°21	15°17	3°22	20° 4	22° 8	20°54	28°47	6°15	M 7
T 8	7 9 53	17°50'22	15°12	27° 2	0♓ 4	8°49	12° 5	4°25	15°16	3°23	20° 3	22° 9	20°51	28°54	6°16	T 8
W 9	7 13 49	18°51'31	28°13	28°23	1°14	8°26	12°18	4°28	15°15	3°24	20° 3	22°11	20°47	29° 0	6°18	W 9
T 10	7 17 46	19°52'39	10♐59	29°46	2°25	8° 4	12°32	4°32	15°14	3°25	20° 2	22°12	20°44	29° 7	6°19	T 10
F 11	7 21 42	20°53'48	23°33	1♑ 9	3°35	7°43	12°46	4°35	15°13	3°26	20° 2	22°R13	20°41	29°14	6°20	F 11
S 12	7 25 39	21°54'56	5♑56	2°33	4°46	7°22	13° 0	4°38	15°12	3°26	20° 1	22°12	20°38	29°20	6°22	S 12
S 13	7 29 35	22°56'04	18°10	3°59	5°56	7° 1	13°14	4°41	15°11	3°27	20° 1	22° 9	20°35	29°27	6°23	S 13
M14	7 33 32	23°57'11	0♒16	5°25	7° 6	6°41	13°28	4°44	15° 9	3°28	20° 0	22° 5	20°32	29°34	6°25	M14
T 15	7 37 29	24°58'17	12°16	6°51	8°16	6°22	13°42	4°47	15° 8	3°28	20° 0	21°59	20°28	29°41	6°26	T 15
W16	7 41 25	25°59'22	24°10	8°19	9°25	6° 3	13°56	4°50	15° 7	3°29	19°59	21°53	20°25	29°47	6°28	W16
T 17	7 45 22	27° 0'27	6♓ 2	9°47	10°35	5°45	14°10	4°53	15° 5	3°30	19°59	21°46	20°22	29°54	6°30	T 17
F 18	7 49 18	28° 1'31	17°53	11°16	11°44	5°28	14°24	4°56	15° 4	3°30	19°59	21°40	20°19	0♓ 1	6°32	F 18
S 19	7 53 15	29° 2'33	29°46	12°46	12°54	5°11	14°38	4°58	15° 2	3°31	19°58	21°34	20°16	0° 7	6°33	S 19
S 20	7 57 11	0♒ 3'35	11♈45	14°16	14° 3	4°55	14°52	5° 1	15° 1	3°31	19°58	21°31	20°12	0°14	6°35	S 20
M21	8 1 8	1° 4'35	23°54	15°47	15°12	4°40	15° 6	5° 3	14°59	3°32	19°58	21°29	20° 9	0°21	6°37	M21
T 22	8 5 4	2° 5'35	6♉18	17°19	16°21	4°25	15°21	5° 6	14°57	3°32	19°58	21°D29	20° 6	0°28	6°39	T 22
W23	8 9 1	3° 6'33	19° 2	18°51	17°29	4°11	15°35	5° 8	14°56	3°33	19°57	21°30	20° 3	0°34	6°41	W23
T 24	8 12 58	4° 7'30	2♊ 9	20°24	18°38	3°58	15°49	5°10	14°54	3°33	19°57	21°31	20° 0	0°41	6°43	T 24
F 25	8 16 54	5° 8'26	15°44	21°58	19°46	3°46	16° 3	5°12	14°52	3°33	19°57	21°R32	19°57	0°48	6°45	F 25
S 26	8 20 51	6° 9'20	29°47	23°32	20°54	3°35	16°17	5°14	14°50	3°34	19°57	21°32	19°53	0°54	6°47	S 26
S 27	8 24 47	7°10'13	14♋18	25° 7	22° 2	3°24	16°32	5°16	14°48	3°34	19°57	21°30	19°50	1° 1	6°49	S 27
M28	8 28 44	8°11'05	29°11	26°43	23° 9	3°14	16°46	5°17	14°47	3°34	19°56	21°26	19°47	1° 8	6°52	M28
T 29	8 32 40	9°11'56	14♌21	28°19	24°17	3° 5	17° 0	5°19	14°45	3°34	19°56	21°20	19°44	1°15	6°54	T 29
W30	8 36 37	10°12'46	29°36	29°57	25°24	2°57	17°15	5°20	14°43	3°35	19°56	21°12	19°41	1°21	6°56	W30
T 31	8 40 34	11♒13'34	14♍46	1♒35	26♓31	2♋50	17♒29	5♏22	14♍41	3♏35	19♉56	21♊ 4	19♊38	1♓28	6♈59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 3	22n20	3n38	21s34	1n24	15s54	1s43	26n50	3n52	18s20	0s43	10s37	2n24	6n30	0n47	10s58	1n46	4n 3	14s15	23n16	23n12	16s35	4n20	2n 4
W 2	22 58	18 49	4 29	21 48	1 16	15 29	1 41	26 53	3 53	18 17	0 43	10 38	2 24	6 31	0 47	10 58	1 46	4 3	14 15	23 16	23 12	16 33	4 21	2 4
T 3	22 53	14 9	5 2	22 2	1 7	15 3	1 39	26 56	3 54	18 13	0 43	10 39	2 24	6 31	0 48	10 58	1 46	4 3	14 15	23 15	23 11	16 31	4 21	2 3
F 4	22 46	8 44	5 15	22 16	0 58	14 37	1 37	26 59	3 55	18 9	0 43	10 40	2 24	6 31	0 48	10 59	1 46	4 3	14 15	23 15	23 11	16 29	4 21	2 3
S 5	22 40	2 58	5 8	22 29	0 49	14 11	1 35	27 2	3 56	18 6	0 43	10 41	2 25	6 32	0 48	10 59	1 47	4 3	14 14	23 15	23 11	16 27	4 21	2 3
S 6	22 33	2s50	4 43	22 41	0 41	13 44	1 32	27 4	3 56	18 2	0 43	10 42	2 25	6 32	0 48	10 59	1 47	4 3	14 14	23 15	23 11	16 25	4 22	2 3
M 7	22 26	8 22	4 2	22 53	0 32	13 17	1 30	27 6	3 57	17 58	0 43	10 43	2 25	6 32	0 48	10 59	1 47	4 3	14 14	23 15	23 10	16 23	4 22	2 3
T 8	22 18	13 24	3 9	23 3	0 24	12 50	1 27	27 9	3 58	17 54	0 43	10 44	2 25	6 33	0 48	11 0	1 47	4 4	14 14	23 15	23 10	16 21	4 22	2 2
W 9	22 9	17 43	2 8	23 13	0 16	12 22	1 24	27 11	3 58	17 50	0 43	10 45	2 25	6 33	0 48	11 0	1 47	4 4	14 13	23 15	23 10	16 19	4 22	2 2
T 10	22 1	21 8	1 1	23 21	0 8	11 54	1 22	27 12	3 58	17 46	0 44	10 46	2 26	6 34	0 48	11 0	1 47	4 4	14 13	23 15	23 10	16 17	4 23	2 2
F 11	21 52	23 27	0s 7	23 29	0s 0	11 26	1 19	27 14	3 58	17 43	0 44	10 47	2 26	6 34	0 48	11 0	1 47	4 4	14 13	23 15	23 10	16 15	4 23	2 2
S 12	21 42	24 36	1 15	23 36	0 8	10 58	1 16	27 15	3 59	17 39	0 44	10 48	2 26	6 35	0 48	11 1	1 47	4 4	14 12	23 15	23 9	16 13	4 24	2 2
S 13	21 32	24 31	2 17	23 41	0 16	10 29	1 13	27 16	3 59	17 35	0 44	10 49	2 26	6 35	0 48	11 1	1 47	4 4	14 12	23 15	23 9	16 11	4 24	2 2
M14	21 22	23 16	3 13	23 46	0 23	10 0	1 9	27 17	3 59	17 31	0 44	10 50	2 27	6 36	0 48	11 1	1 47	4 4	14 12	23 15	23 9	16 9	4 25	2 1
T 15	21 11	20 59	4 0	23 49	0 30	9 31	1 6	27 18	3 58	17 27	0 44	10 50	2 27	6 36	0 48	11 1	1 47	4 5	14 12	23 15	23 9	16 6	4 25	2 1
W16	21 0	17 49	4 35	23 51	0 37	9 1	1 3	27 19	3 58	17 23	0 44	10 51	2 27	6 37	0 48	11 1	1 47	4 5	14 11	23 14	23 8	16 4	4 25	2 1
T 17	20 48	13 57	4 59	23 51	0 44	8 32	0 59	27 19	3 58	17 19	0 44	10 52	2 27	6 38	0 48	11 1	1 47	4 5	14 11	23 14	23 8	16 2	4 26	2 1
F 18	20 36	9 33	5 10	23 51	0 51	8 2	0 56	27 20	3 58	17 15	0 44	10 52	2 27	6 38	0 48	11 2	1 47	4 5	14 11	23 13	23 8	16 0	4 27	2 1
S 19	20 24	4 47	5 7	23 49	0 57	7 32	0 52	27 20	3 57	17 11	0 44	10 53	2 28	6 39	0 48	11 2	1 47	4 6	14 10	23 13	23 8	15 58	4 27	2 0
S 20	20 11	0n11	4 51	23 46	1 3	7 2	0 48	27 20	3 57	17 6	0 44	10 54	2 28	6 39	0 48	11 2	1 47	4 6	14 10	23 13	23 8	15 56	4 28	2 0
M21	19 58	5 14	4 22	23 42	1 9	6 32	0 44	27 20	3 56	17 2	0 44	10 54	2 28	6 40	0 48	11 2	1 48	4 6	14 10	23 13	23 7	15 54	4 28	2 0
T 22	19 44	10 11	3 41	23 36	1 15	6 1	0 40	27 20	3 55	16 58	0 44	10 55	2 28	6 41	0 48	11 2	1 48	4 6	14 9	23 13	23 7	15 52	4 29	2 0
W23	19 30	14 50	2 47	23 29	1 20	5 31	0 36	27 20	3 54	16 54	0 44	10 55	2 29	6 41	0 48	11 2	1 48	4 6	14 9	23 13	23 7	15 50	4 29	2 0
T 24	19 16	18 57	1 43	23 20	1 25	5 0	0 32	27 19	3 54	16 50	0 44	10 56	2 29	6 42	0 48	11 2	1 48	4 7	14 9	23 13	23 7	15 47	4 30	2 0
F 25	19 1	22 12	0 31	23 11	1 30	4 29	0 28	27 19	3 53	16 46	0 44	10 56	2 29	6 43	0 48	11 2	1 48	4 7	14 8	23 13	23 6	15 45	4 31	1 59
S 26	18 46	24 14	0n44	22 59	1 35	3 59	0 24	27 18	3 52	16 41	0 44	10 57	2 29	6 44	0 48	11 2	1 48	4 7	14 8	23 13	23 6	15 43	4 32	1 59
S 27	18 31	24 42	2 0	22 47	1 39	3 28	0 19	27 17	3 51	16 37	0 44	10 57	2 30	6 44	0 48	11 2	1 48	4 7	14 8	23 13	23 6	15 41	4 32	1 59
M28	18 15	23 26	3 9	22 32	1 43	2 57	0 15	27 17	3 50	16 33	0 44	10 57	2 30	6 45	0 48	11 2	1 48	4 8	14 8	23 13	23 6	15 39	4 33	1 59
T 29	17 59	20 28	4 6	22 17	1 47	2 26	0 10	27 16	3 49	16 29	0 44	10 58	2 30	6 46	0 48	11 2	1 48	4 8	14 7	23 12	23 5	15 37	4 34	1 59
W30	17 43	16 5	4 45	22 0	1 50	1 55	0 5	27 15	3 48	16 24	0 44	10 58	2 30	6 47	0 48	11 2	1 48	4 8	14 7	23 12	23 5	15 34	4 34	1 59
T 31	17s27	10n42	5n 5	21s41	1s53	1s24	0s 1	27n14	3n47	16s20	0s45	10s58	2n31	6n47	0n49	11s 2	1n48	4n 9	14s 7	23n11	23n 5	15s32	4n35	1n58

Julian Day Number = 2316405.5, Delta T = 57.96 sec
Ecliptic obliquity = 23°29'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'34, Lahiri = 18°41'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

FEBRUARY 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 44 30	12♒14'22	29♍41	3♒13	27♓38	2°R43	17♒43	5♏23	14°R39	3♏35	19°R56	20°R57	19♊34	1♓35	7♈ 1	F 1
S 2	8 48 27	13°15'08	14♎13	4°53	28°44	2♋37	17°58	5°24	14♍37	3°35	19♉56	20♊51	19°31	1°41	7° 3	S 2
S 3	8 52 23	14°15'54	28°20	6°33	29°51	2°32	18°12	5°25	14°34	3°R35	19°D56	20°48	19°28	1°48	7° 6	S 3
M 4	8 56 20	15°16'38	11♏59	8°14	0♈57	2°28	18°27	5°26	14°32	3°35	19°56	20°D47	19°25	1°55	7° 8	M 4
T 5	9 0 16	16°17'21	25°13	9°56	2° 2	2°25	18°41	5°27	14°30	3°35	19°56	20°47	19°22	2° 2	7°11	T 5
W 6	9 4 13	17°18'04	8♐ 5	11°39	3° 8	2°22	18°55	5°28	14°28	3°35	19°56	20°48	19°18	2° 8	7°14	W 6
T 7	9 8 9	18°18'45	20°39	13°22	4°13	2°20	19°10	5°29	14°26	3°35	19°56	20°R49	19°15	2°15	7°16	T 7
F 8	9 12 6	19°19'25	2♑59	15° 7	5°18	2°19	19°24	5°29	14°23	3°35	19°56	20°48	19°12	2°22	7°19	F 8
S 9	9 16 3	20°20'04	15° 8	16°52	6°23	2°D19	19°39	5°30	14°21	3°34	19°57	20°45	19° 9	2°28	7°22	S 9
S 10	9 19 59	21°20'42	27°10	18°38	7°27	2°19	19°53	5°30	14°19	3°34	19°57	20°39	19° 6	2°35	7°24	S 10
M11	9 23 56	22°21'18	9♒ 7	20°25	8°31	2°20	20° 7	5°30	14°16	3°34	19°57	20°30	19° 3	2°42	7°27	M11
T 12	9 27 52	23°21'52	21° 1	22°13	9°35	2°22	20°22	5°30	14°14	3°34	19°57	20°19	18°59	2°49	7°30	T 12
W13	9 31 49	24°22'25	2♓53	24° 1	10°39	2°25	20°36	5°R30	14°12	3°33	19°57	20° 7	18°56	2°55	7°33	W13
T 14	9 35 45	25°22'57	14°44	25°51	11°42	2°28	20°51	5°30	14° 9	3°33	19°58	19°54	18°53	3° 2	7°36	T 14
F 15	9 39 42	26°23'26	26°37	27°41	12°44	2°32	21° 5	5°30	14° 7	3°33	19°58	19°41	18°50	3° 9	7°39	F 15
S 16	9 43 38	27°23'54	8♈33	29°33	13°47	2°37	21°19	5°30	14° 4	3°32	19°58	19°30	18°47	3°15	7°42	S 16
S 17	9 47 35	28°24'20	20°34	1♓24	14°49	2°42	21°34	5°29	14° 2	3°32	19°58	19°21	18°44	3°22	7°45	S 17
M18	9 51 31	29°24'44	2♉44	3°17	15°51	2°48	21°48	5°29	13°59	3°31	19°59	19°15	18°40	3°29	7°48	M18
T 19	9 55 28	0♓25'07	15° 6	5°10	16°52	2°55	22° 2	5°28	13°57	3°31	19°59	19°12	18°37	3°36	7°51	T 19
W20	9 59 25	1°25'27	27°45	7° 4	17°53	3° 2	22°17	5°28	13°54	3°30	19°59	19°D11	18°34	3°42	7°54	W20
T 21	10 3 21	2°25'45	10♊44	8°58	18°53	3°10	22°31	5°27	13°52	3°30	20° 0	19°11	18°31	3°49	7°57	T 21
F 22	10 7 18	3°26'02	24° 9	10°52	19°53	3°19	22°45	5°26	13°49	3°29	20° 0	19°R11	18°28	3°56	8° 0	F 22
S 23	10 11 14	4°26'16	8♋ 1	12°46	20°53	3°28	23° 0	5°25	13°47	3°29	20° 1	19°10	18°24	4° 2	8° 3	S 23
S 24	10 15 11	5°26'28	22°23	14°40	21°52	3°38	23°14	5°24	13°44	3°28	20° 1	19° 6	18°21	4° 9	8° 7	S 24
M25	10 19 7	6°26'38	7♌11	16°34	22°51	3°48	23°28	5°23	13°41	3°27	20° 2	19° 0	18°18	4°16	8°10	M25
T 26	10 23 4	7°26'46	22°20	18°27	23°49	3°59	23°42	5°21	13°39	3°26	20° 2	18°52	18°15	4°23	8°13	T 26
W27	10 27 0	8°26'52	7♍41	20°19	24°46	4°10	23°57	5°20	13°36	3°26	20° 3	18°41	18°12	4°29	8°16	W27
T 28	10 30 57	9♓26'57	23♍ 2	22♓10	25♈44	4♋22	24♒11	5♏19	13♍34	3♏25	20♉ 3	18♊30	18♊ 9	4♓36	8♈20	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s10	4n46	5n 3	21s21	1s56	0s53	0n 4	27n13	3n45	16s16	0s45	10s58	2n31	6n48	0n49	11s 2	1n48	4n 9	14s 6	23n11	23n 5	15s30	4n36	1n58
S 2	16 52	1s17	4 42	21 0	1 58	0 22	0 9	27 12	3 44	16 11	0 45	10 58	2 31	6 49	0 49	11 2	1 48	4 9	14 6	23 10	23 4	15 28	4 37	1 58
S 3	16 35	7 6	4 4	20 37	2 1	0n 9	0 14	27 11	3 43	16 7	0 45	10 59	2 31	6 50	0 49	11 2	1 48	4 10	14 6	23 10	23 4	15 26	4 38	1 58
M 4	16 17	12 24	3 13	20 13	2 2	0 40	0 19	27 9	3 42	16 2	0 45	10 59	2 32	6 51	0 49	11 2	1 48	4 10	14 5	23 10	23 4	15 24	4 39	1 58
T 5	15 59	16 57	2 13	19 47	2 4	1 11	0 24	27 8	3 40	15 58	0 45	10 59	2 32	6 52	0 49	11 2	1 48	4 10	14 5	23 10	23 4	15 21	4 39	1 58
W 6	15 41	20 35	1 8	19 19	2 4	1 42	0 29	27 7	3 39	15 54	0 45	10 59	2 32	6 53	0 49	11 2	1 49	4 10	14 5	23 10	23 3	15 19	4 40	1 58
T 7	15 22	23 9	0 1	18 50	2 5	2 13	0 35	27 6	3 38	15 49	0 45	10 59	2 32	6 53	0 49	11 2	1 49	4 11	14 4	23 10	23 3	15 17	4 41	1 57
F 8	15 3	24 32	1s 5	18 20	2 5	2 43	0 40	27 4	3 36	15 45	0 45	10 59	2 33	6 54	0 49	11 2	1 49	4 11	14 4	23 10	23 3	15 15	4 42	1 57
S 9	14 44	24 43	2 6	17 48	2 5	3 14	0 46	27 3	3 35	15 40	0 45	10 59	2 33	6 55	0 49	11 2	1 49	4 12	14 4	23 10	23 3	15 13	4 43	1 57
S 10	14 25	23 44	3 1	17 14	2 4	3 45	0 51	27 1	3 33	15 36	0 45	10 58	2 33	6 56	0 49	11 2	1 49	4 12	14 3	23 9	23 2	15 10	4 44	1 57
M11	14 5	21 40	3 48	16 39	2 3	4 15	0 57	27 0	3 32	15 31	0 45	10 58	2 33	6 57	0 49	11 1	1 49	4 12	14 3	23 9	23 2	15 8	4 45	1 57
T 12	13 46	18 41	4 24	16 2	2 1	4 45	1 2	26 59	3 31	15 27	0 45	10 58	2 34	6 58	0 49	11 1	1 49	4 13	14 3	23 8	23 2	15 6	4 46	1 57
W13	13 25	14 57	4 49	15 24	1 59	5 16	1 8	26 57	3 29	15 22	0 45	10 58	2 34	6 59	0 49	11 1	1 49	4 13	14 2	23 7	23 2	15 4	4 47	1 56
T 14	13 5	10 38	5 1	14 45	1 56	5 46	1 14	26 56	3 28	15 18	0 46	10 58	2 34	7 0	0 49	11 1	1 49	4 13	14 2	23 6	23 1	15 1	4 48	1 56
F 15	12 45	5 56	5 0	14 4	1 53	6 16	1 19	26 54	3 26	15 13	0 46	10 57	2 34	7 1	0 49	11 1	1 49	4 14	14 2	23 5	23 1	14 59	4 49	1 56
S 16	12 24	0 59	4 46	13 21	1 49	6 45	1 25	26 52	3 25	15 9	0 46	10 57	2 35	7 2	0 49	11 1	1 49	4 14	14 1	23 4	23 1	14 57	4 50	1 56
S 17	12 3	4n 3	4 19	12 37	1 44	7 15	1 31	26 51	3 23	15 4	0 46	10 57	2 35	7 3	0 49	11 0	1 49	4 14	14 1	23 4	23 0	14 55	4 51	1 56
M18	11 42	9 0	3 40	11 52	1 39	7 44	1 37	26 49	3 22	14 59	0 46	10 56	2 35	7 4	0 49	11 0	1 49	4 15	14 1	23 3	23 0	14 52	4 52	1 56
T 19	11 21	13 41	2 50	11 5	1 34	8 14	1 43	26 48	3 20	14 55	0 46	10 56	2 35	7 5	0 49	11 0	1 49	4 15	14 0	23 3	23 0	14 50	4 53	1 56
W20	10 59	17 54	1 51	10 18	1 28	8 43	1 49	26 46	3 19	14 50	0 46	10 55	2 36	7 6	0 49	11 0	1 49	4 16	14 0	23 3	23 0	14 48	4 54	1 56
T 21	10 38	21 22	0 45	9 29	1 21	9 11	1 55	26 44	3 17	14 46	0 46	10 55	2 36	7 7	0 49	10 59	1 49	4 16	14 0	23 3	22 59	14 46	4 56	1 55
F 22	10 16	23 48	0n26	8 38	1 14	9 40	2 1	26 43	3 16	14 41	0 46	10 54	2 36	7 8	0 49	10 59	1 49	4 16	14 0	23 3	22 59	14 43	4 57	1 55
S 23	9 54	24 52	1 38	7 47	1 6	10 8	2 8	26 41	3 14	14 37	0 46	10 54	2 36	7 9	0 49	10 59	1 50	4 17	13 59	23 3	22 59	14 41	4 58	1 55
S 24	9 32	24 21	2 46	6 55	0 57	10 36	2 14	26 39	3 13	14 32	0 46	10 53	2 37	7 10	0 49	10 59	1 50	4 17	13 59	23 2	22 59	14 39	4 59	1 55
M25	9 10	22 8	3 45	6 3	0 48	11 4	2 20	26 37	3 11	14 27	0 47	10 53	2 37	7 11	0 49	10 58	1 50	4 18	13 59	23 2	22 58	14 37	5 0	1 55
T 26	8 48	18 20	4 29	5 9	0 38	11 32	2 26	26 36	3 10	14 23	0 47	10 52	2 37	7 12	0 49	10 58	1 50	4 18	13 58	23 1	22 58	14 34	5 1	1 55
W27	8 25	13 16	4 55	4 16	0 27	11 59	2 33	26 34	3 9	14 18	0 47	10 51	2 37	7 13	0 49	10 58	1 50	4 19	13 58	23 0	22 58	14 32	5 3	1 55
T 28	8s 3	7n21	4n59	3s22	0s16	12n26	2n39	26n32	3n 7	14s14	0s47	10s51	2n37	7n14	0n49	10s57	1n50	4n19	13s58	22n59	22n57	14s30	5n 4	1n55

Julian Day Number = 2316436.5, Delta T = 57.89 sec
Ecliptic obliquity = 23°29'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'38, Lahiri = 18°41'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

MARCH 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 34 54	10♓26'59	8♎11	23♓59	26♈40	4♋35	24♒25	5°R17	13°R31	3°R24	20♉ 4	18°R19	18♊ 5	4♓43	8♈23	F 1
S 2	10 38 50	11°27'00	22°59	25°45	27°36	4°48	24°39	5♏15	13♍28	3♏23	20° 4	18♊10	18° 2	4°50	8°26	S 2
S 3	10 42 47	12°26'58	7♏19	27°29	28°31	5° 1	24°53	5°13	13°26	3°22	20° 5	18° 4	17°59	4°56	8°30	S 3
M 4	10 46 43	13°26'56	21° 9	29°10	29°26	5°15	25° 7	5°12	13°23	3°22	20° 6	18° 1	17°56	5° 3	8°33	M 4
T 5	10 50 40	14°26'52	4♐29	0♈48	0♉20	5°30	25°21	5°10	13°21	3°21	20° 6	17°59	17°53	5°10	8°37	T 5
W 6	10 54 36	15°26'46	17°23	2°21	1°14	5°45	25°35	5° 8	13°18	3°20	20° 7	17°59	17°49	5°16	8°40	W 6
T 7	10 58 33	16°26'38	29°56	3°49	2° 7	6° 0	25°49	5° 5	13°15	3°19	20° 7	17°59	17°46	5°23	8°44	T 7
F 8	11 2 29	17°26'29	12♑11	5°12	2°59	6°16	26° 3	5° 3	13°13	3°18	20° 8	17°57	17°43	5°30	8°47	F 8
S 9	11 6 26	18°26'18	24°15	6°30	3°50	6°33	26°17	5° 1	13°10	3°17	20° 9	17°54	17°40	5°37	8°50	S 9
S 10	11 10 23	19°26'05	6♒11	7°41	4°41	6°49	26°31	4°58	13° 7	3°16	20°10	17°47	17°37	5°43	8°54	S 10
M11	11 14 19	20°25'50	18° 3	8°45	5°31	7° 7	26°45	4°56	13° 5	3°15	20°10	17°37	17°34	5°50	8°58	M11
T 12	11 18 16	21°25'34	29°53	9°43	6°20	7°24	26°58	4°53	13° 2	3°14	20°11	17°25	17°30	5°57	9° 1	T 12
W13	11 22 12	22°25'15	11♓45	10°33	7° 8	7°42	27°12	4°51	13° 0	3°12	20°12	17°11	17°27	6° 3	9° 5	W13
T 14	11 26 9	23°24'55	23°39	11°16	7°56	8° 1	27°26	4°48	12°57	3°11	20°13	16°56	17°24	6°10	9° 8	T 14
F 15	11 30 5	24°24'32	5♈37	11°51	8°42	8°19	27°39	4°45	12°55	3°10	20°13	16°42	17°21	6°17	9°12	F 15
S 16	11 34 2	25°24'08	17°40	12°18	9°28	8°39	27°53	4°42	12°52	3° 9	20°14	16°29	17°18	6°24	9°15	S 16
S 17	11 37 58	26°23'41	29°49	12°37	10°13	8°58	28° 7	4°39	12°49	3° 8	20°15	16°19	17°15	6°30	9°19	S 17
M18	11 41 55	27°23'12	12♉ 6	12°48	10°56	9°18	28°20	4°36	12°47	3° 6	20°16	16°12	17°11	6°37	9°23	M18
T 19	11 45 52	28°22'41	24°35	12°R51	11°39	9°38	28°34	4°33	12°44	3° 5	20°17	16° 8	17° 8	6°44	9°26	T 19
W20	11 49 48	29°22'07	7♊16	12°47	12°20	9°59	28°47	4°30	12°42	3° 4	20°18	16° 6	17° 5	6°50	9°30	W20
T 21	11 53 45	0♈21'31	20°15	12°34	13° 1	10°20	29° 0	4°26	12°40	3° 3	20°19	16°D 6	17° 2	6°57	9°34	T 21
F 22	11 57 41	1°20'53	3♋34	12°15	13°40	10°41	29°14	4°23	12°37	3° 1	20°20	16°R 6	16°59	7° 4	9°37	F 22
S 23	12 1 38	2°20'13	17°17	11°50	14°18	11° 3	29°27	4°19	12°35	3° 0	20°21	16° 6	16°55	7°11	9°41	S 23
S 24	12 5 34	3°19'30	1♌25	11°18	14°54	11°25	29°40	4°16	12°32	2°59	20°22	16° 3	16°52	7°17	9°44	S 24
M25	12 9 31	4°18'45	15°57	10°42	15°30	11°47	29°53	4°12	12°30	2°57	20°23	15°58	16°49	7°24	9°48	M25
T 26	12 13 27	5°17'57	0♍51	10° 1	16° 4	12° 9	0♓ 6	4° 9	12°27	2°56	20°24	15°50	16°46	7°31	9°52	T 26
W27	12 17 24	6°17'08	15°58	9°17	16°36	12°32	0°19	4° 5	12°25	2°54	20°25	15°40	16°43	7°38	9°56	W27
T 28	12 21 21	7°16'15	1♎10	8°30	17° 7	12°55	0°32	4° 1	12°23	2°53	20°26	15°30	16°40	7°44	9°59	T 28
F 29	12 25 17	8°15'21	16°16	7°41	17°37	13°19	0°45	3°57	12°21	2°52	20°27	15°20	16°36	7°51	10° 3	F 29
S 30	12 29 14	9°14'25	1♏ 5	6°52	18° 5	13°42	0°58	3°54	12°18	2°50	20°28	15°12	16°33	7°58	10° 7	S 30
S 31	12 33 10	10♈13'27	15♏30	6♈ 4	18♉31	14♋ 6	1♓11	3♏50	12♍16	2♏49	20♉29	15♊ 7	16♊30	8♓ 4	10♈10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	7s40	1n 5	4n43	2s28	0s 5	12n52	2n45	26n30	3n 6	14s 9	0s47	10s50	2n38	7n15	0n49	10s57	1n50	4n19	13s57	22n58	22n57	14s27	5n 5	1n54	
S 2	7 17	5s 7	4 7	1 35	0n 7	13 18	2 52	26 28	3 4	14 4	0 47	10 49	2 38	7 16	0 49	10 57	1 50	4 20	13 57	22 58	22 57	14 25	5 6	1 54	
S 3	6 54	10 52	3 17	0 42	0 20	13 44	2 58	26 26	3 3	14 0	0 47	10 48	2 38	7 17	0 49	10 56	1 50	4 20	13 57	22 57	22 57	14 23	5 7	1 54	
M 4	6 31	15 53	2 17	0n10	0 32	14 10	3 4	26 24	3 1	13 55	0 47	10 47	2 38	7 18	0 49	10 56	1 50	4 21	13 56	22 57	22 56	14 20	5 9	1 54	
T 5	6 8	19 55	1 11	1 1	0 45	14 35	3 11	26 22	3 0	13 50	0 47	10 47	2 39	7 19	0 49	10 56	1 50	4 21	13 56	22 57	22 56	14 18	5 10	1 54	
W 6	5 45	22 50	0 3	1 50	0 59	15 0	3 17	26 20	2 58	13 46	0 47	10 46	2 39	7 20	0 49	10 55	1 50	4 22	13 56	22 57	22 56	14 16	5 11	1 54	
T 7	5 22	24 32	1s 3	2 37	1 12	15 25	3 23	26 18	2 57	13 41	0 48	10 45	2 39	7 21	0 49	10 55	1 50	4 22	13 56	22 57	22 55	14 13	5 12	1 54	
F 8	4 58	24 59	2 4	3 23	1 26	15 49	3 30	26 16	2 56	13 37	0 48	10 44	2 39	7 22	0 49	10 55	1 50	4 22	13 55	22 56	22 55	14 11	5 14	1 54	
S 9	4 35	24 15	2 59	4 6	1 39	16 13	3 36	26 14	2 54	13 32	0 48	10 43	2 39	7 23	0 49	10 54	1 50	4 23	13 55	22 56	22 55	14 9	5 15	1 53	
S 10	4 11	22 24	3 45	4 46	1 52	16 36	3 43	26 11	2 53	13 27	0 48	10 42	2 40	7 24	0 49	10 54	1 50	4 23	13 55	22 56	22 55	14 6	5 16	1 53	
M11	3 48	19 35	4 21	5 23	2 5	16 59	3 49	26 9	2 51	13 23	0 48	10 41	2 40	7 25	0 49	10 53	1 50	4 24	13 54	22 55	22 54	14 4	5 18	1 53	
T 12	3 24	15 59	4 46	5 57	2 17	17 21	3 55	26 7	2 50	13 18	0 48	10 40	2 40	7 26	0 49	10 53	1 50	4 24	13 54	22 54	22 54	14 2	5 19	1 53	
W13	3 1	11 45	4 58	6 28	2 29	17 43	4 2	26 4	2 49	13 13	0 48	10 39	2 40	7 27	0 49	10 53	1 50	4 25	13 54	22 52	22 54	13 59	5 20	1 53	
T 14	2 37	7 4	4 57	6 55	2 40	18 5	4 8	26 2	2 47	13 9	0 48	10 38	2 40	7 28	0 49	10 52	1 50	4 25	13 54	22 51	22 53	13 57	5 22	1 53	
F 15	2 14	2 6	4 43	7 18	2 50	18 26	4 14	25 59	2 46	13 4	0 49	10 37	2 40	7 29	0 49	10 52	1 51	4 26	13 53	22 49	22 53	13 55	5 23	1 53	
S 16	1 50	2n59	4 17	7 37	2 59	18 47	4 20	25 57	2 45	13 0	0 49	10 35	2 41	7 30	0 49	10 51	1 51	4 26	13 53	22 48	22 53	13 52	5 24	1 53	
S 17	1 26	8 1	3 38	7 52	3 7	19 7	4 26	25 54	2 43	12 55	0 49	10 34	2 41	7 31	0 49	10 51	1 51	4 27	13 53	22 47	22 52	13 50	5 26	1 53	
M18	1 2	12 49	2 49	8 3	3 14	19 27	4 32	25 51	2 42	12 51	0 49	10 33	2 41	7 32	0 49	10 50	1 51	4 27	13 53	22 46	22 52	13 48	5 27	1 53	
T 19	0 39	17 9	1 51	8 9	3 20	19 46	4 38	25 49	2 41	12 46	0 49	10 32	2 41	7 33	0 49	10 50	1 51	4 28	13 52	22 46	22 52	13 45	5 28	1 53	
W20	0 15	20 48	0 47	8 11	3 24	20 5	4 44	25 46	2 40	12 41	0 49	10 31	2 41	7 34	0 49	10 49	1 51	4 28	13 52	22 46	22 52	13 43	5 30	1 52	
T 21	0n 9	23 30	0n22	8 8	3 26	20 23	4 50	25 43	2 38	12 37	0 49	10 29	2 42	7 34	0 49	10 49	1 51	4 28	13 52	22 46	22 51	13 40	5 31	1 52	
F 22	0 32	24 58	1 31	8 2	3 27	20 41	4 56	25 40	2 37	12 32	0 50	10 28	2 42	7 35	0 49	10 48	1 51	4 29	13 52	22 46	22 51	13 38	5 32	1 52	
S 23	0 56	24 58	2 37	7 51	3 26	20 58	5 2	25 37	2 36	12 28	0 50	10 27	2 42	7 36	0 49	10 48	1 51	4 29	13 51	22 46	22 51	13 36	5 34	1 52	
S 24	1 19	23 23	3 36	7 36	3 24	21 14	5 8	25 34	2 34	12 23	0 50	10 26	2 42	7 37	0 49	10 48	1 51	4 30	13 51	22 45	22 50	13 33	5 35	1 52	
M25	1 43	20 15	4 22	7 18	3 20	21 30	5 13	25 30	2 33	12 19	0 50	10 24	2 42	7 38	0 49	10 47	1 51	4 30	13 51	22 45	22 50	13 31	5 36	1 52	
T 26	2 7	15 44	4 52	6 56	3 14	21 45	5 18	25 27	2 32	12 14	0 50	10 23	2 42	7 39	0 49	10 47	1 51	4 31	13 51	22 44	22 50	13 29	5 38	1 52	
W27	2 30	10 11	5 2	6 32	3 6	22 0	5 24	25 24	2 31	12 10	0 50	10 22	2 42	7 40	0 49	10 46	1 51	4 31	13 50	22 43	22 49	13 26	5 39	1 52	
T 28	2 53	3 59	4 51	6 5	2 57	22 14	5 29	25 20	2 30	12 5	0 50	10 20	2 42	7 41	0 49	10 45	1 51	4 32	13 50	22 42	22 49	13 24	5 41	1 52	
F 29	3 17	2s25	4 20	5 36	2 46	22 27	5 34	25 17	2 28	12 1	0 51	10 19	2 43	7 42	0 49	10 45	1 51	4 32	13 50	22 41	22 49	13 21	5 42	1 52	
S 30	3 40	8 34	3 31	5 5	2 34	22 40	5 39	25 13	2 27	11 57	0 51	10 17	2 43	7 42	0 49	10 44	1 51	4 33	13 50	22 40	22 48	13 19	5 43	1 52	
S 31	4n 3	14s 7	2n30	4n34	2n21	22n52	5n43	25n10	2n26	11s52	0s51	10s16	2n43	7n43	0n49	10s44	1n51	4n33	13s50	22n39	22n48	13s16	5n45	1n52	

Julian Day Number = 2316464.5, Delta T = 57.83 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'42, Lahiri = 18°41'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

APRIL 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 37 7	11♈12'27	29♏27	5°R17	18♉56	14♋30	1♓24	3°R46	12°R14	2°R47	20♉30	15°R 3	16♊27	8♓11	10♈14	M 1
T 2	12 41 3	12°11'25	12♐55	4♈32	19°18	14°55	1°36	3♏42	12♍12	2♏46	20°31	15°D 2	16°24	8°18	10°18	T 2
W 3	12 45 0	13°10'22	25°56	3°50	19°39	15°19	1°49	3°38	12°10	2°44	20°32	15♊ 3	16°21	8°25	10°21	W 3
T 4	12 48 56	14° 9'17	8♑33	3°11	19°59	15°44	2° 1	3°33	12° 7	2°43	20°33	15°R 3	16°17	8°31	10°25	T 4
F 5	12 52 53	15° 8'10	20°52	2°37	20°16	16°10	2°14	3°29	12° 5	2°41	20°34	15° 3	16°14	8°38	10°29	F 5
S 6	12 56 49	16° 7'01	2♒56	2° 7	20°31	16°35	2°26	3°25	12° 3	2°40	20°35	15° 2	16°11	8°45	10°32	S 6
S 7	13 0 46	17° 5'50	14°52	1°42	20°44	17° 0	2°38	3°21	12° 1	2°38	20°37	14°58	16° 8	8°51	10°36	S 7
M 8	13 4 43	18° 4'38	26°43	1°22	20°55	17°26	2°51	3°17	11°59	2°36	20°38	14°52	16° 5	8°58	10°40	M 8
T 9	13 8 39	19° 3'24	8♓34	1° 7	21° 4	17°52	3° 3	3°12	11°57	2°35	20°39	14°43	16° 1	9° 5	10°43	T 9
W10	13 12 36	20° 2'08	20°27	0°58	21°10	18°19	3°15	3° 8	11°56	2°33	20°40	14°34	15°58	9°12	10°47	W10
T 11	13 16 32	21° 0'50	2♈26	0°D53	21°15	18°45	3°27	3° 3	11°54	2°32	20°41	14°23	15°55	9°18	10°51	T 11
F 12	13 20 29	21°59'30	14°31	0°54	21°R17	19°12	3°39	2°59	11°52	2°30	20°42	14°13	15°52	9°25	10°54	F 12
S 13	13 24 25	22°58'08	26°44	1° 0	21°16	19°39	3°50	2°55	11°50	2°28	20°44	14° 4	15°49	9°32	10°58	S 13
S 14	13 28 22	23°56'45	9♉ 6	1°11	21°13	20° 6	4° 2	2°50	11°48	2°27	20°45	13°57	15°46	9°39	11° 2	S 14
M15	13 32 18	24°55'19	21°38	1°27	21° 8	20°33	4°14	2°46	11°47	2°25	20°46	13°52	15°42	9°45	11° 5	M15
T 16	13 36 15	25°53'51	4♊21	1°48	21° 0	21° 0	4°25	2°41	11°45	2°24	20°47	13°50	15°39	9°52	11° 9	T 16
W17	13 40 12	26°52'22	17°16	2°13	20°50	21°28	4°37	2°37	11°43	2°22	20°49	13°D50	15°36	9°59	11°12	W17
T 18	13 44 8	27°50'50	0♋25	2°42	20°38	21°56	4°48	2°32	11°42	2°20	20°50	13°51	15°33	10° 5	11°16	T 18
F 19	13 48 5	28°49'16	13°49	3°15	20°22	22°24	4°59	2°28	11°40	2°19	20°51	13°52	15°30	10°12	11°19	F 19
S 20	13 52 1	29°47'40	27°31	3°53	20° 5	22°52	5°11	2°23	11°39	2°17	20°52	13°R53	15°26	10°19	11°23	S 20
S 21	13 55 58	0♉46'01	11♌32	4°34	19°45	23°21	5°22	2°19	11°37	2°15	20°54	13°52	15°23	10°26	11°27	S 21
M22	13 59 54	1°44'21	25°50	5°19	19°23	23°49	5°33	2°14	11°36	2°14	20°55	13°50	15°20	10°32	11°30	M22
T 23	14 3 51	2°42'38	10♍23	6° 7	18°59	24°18	5°43	2° 9	11°35	2°12	20°56	13°46	15°17	10°39	11°34	T 23
W24	14 7 47	3°40'53	25° 7	6°59	18°32	24°47	5°54	2° 5	11°33	2°11	20°57	13°41	15°14	10°46	11°37	W24
T 25	14 11 44	4°39'06	9♎56	7°54	18° 3	25°16	6° 5	2° 0	11°32	2° 9	20°59	13°35	15°11	10°52	11°41	T 25
F 26	14 15 41	5°37'18	24°41	8°52	17°33	25°45	6°15	1°56	11°31	2° 7	21° 0	13°29	15° 7	10°59	11°44	F 26
S 27	14 19 37	6°35'27	9♏15	9°53	17° 1	26°14	6°26	1°51	11°30	2° 6	21° 1	13°25	15° 4	11° 6	11°47	S 27
S 28	14 23 34	7°33'35	23°31	10°56	16°28	26°44	6°36	1°47	11°29	2° 4	21° 3	13°21	15° 1	11°13	11°51	S 28
M29	14 27 30	8°31'41	7♐24	12° 3	15°53	27°13	6°47	1°42	11°27	2° 2	21° 4	13°D20	14°58	11°19	11°54	M29
T 30	14 31 27	9♉29'46	20♐52	13♈12	15♉17	27♋43	6♓57	1♏38	11♍26	2♏ 1	21♉ 5	13♊20	14♊55	11♓26	11♈58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n27	18s44	1n22	4n 2	2n 7	23n 3	5n48	25n 6	2n25	11s48	0s51	10s14	2n43	7n44	0n49	10s43	1n51	4n34	13s49	22n39	22n48	13s14	5n46	1n52
T 2	4 50	22 12	0 11	3 31	1 52	23 14	5 52	25 2	2 24	11 43	0 51	10 13	2 43	7 45	0 49	10 43	1 51	4 34	13 49	22 39	22 47	13 12	5 47	1 51
W 3	5 13	24 23	0s58	3 0	1 36	23 23	5 56	24 58	2 22	11 39	0 51	10 12	2 43	7 46	0 49	10 42	1 51	4 35	13 49	22 39	22 47	13 9	5 49	1 51
T 4	5 36	25 14	2 2	2 30	1 20	23 32	6 0	24 54	2 21	11 35	0 52	10 10	2 43	7 46	0 49	10 42	1 51	4 35	13 49	22 39	22 47	13 7	5 50	1 51
F 5	5 58	24 49	2 59	2 1	1 4	23 40	6 3	24 50	2 20	11 30	0 52	10 9	2 43	7 47	0 49	10 41	1 51	4 35	13 49	22 39	22 47	13 4	5 52	1 51
S 6	6 21	23 13	3 47	1 34	0 47	23 48	6 6	24 45	2 19	11 26	0 52	10 7	2 43	7 48	0 49	10 41	1 51	4 36	13 48	22 39	22 46	13 2	5 53	1 51
S 7	6 44	20 37	4 24	1 9	0 31	23 54	6 9	24 41	2 18	11 22	0 52	10 6	2 43	7 49	0 48	10 40	1 51	4 36	13 48	22 38	22 46	12 59	5 54	1 51
M 8	7 6	17 10	4 50	0 46	0 15	24 0	6 12	24 37	2 17	11 18	0 52	10 4	2 44	7 49	0 48	10 40	1 51	4 37	13 48	22 38	22 46	12 57	5 56	1 51
T 9	7 29	13 3	5 3	0 26	0s 1	24 4	6 14	24 32	2 16	11 13	0 52	10 3	2 44	7 50	0 48	10 39	1 51	4 37	13 48	22 37	22 45	12 54	5 57	1 51
W10	7 51	8 26	5 3	0 8	0 16	24 8	6 16	24 27	2 15	11 9	0 53	10 1	2 44	7 51	0 48	10 38	1 51	4 38	13 48	22 36	22 45	12 52	5 59	1 51
T 11	8 13	3 28	4 50	0s 7	0 31	24 10	6 18	24 23	2 13	11 5	0 53	9 59	2 44	7 52	0 48	10 38	1 51	4 38	13 47	22 34	22 45	12 50	6 0	1 51
F 12	8 35	1n41	4 24	0 20	0 45	24 12	6 19	24 18	2 12	11 1	0 53	9 58	2 44	7 52	0 48	10 37	1 51	4 39	13 47	22 33	22 44	12 47	6 1	1 51
S 13	8 57	6 50	3 45	0 30	0 59	24 12	6 19	24 13	2 11	10 57	0 53	9 56	2 44	7 53	0 48	10 37	1 51	4 39	13 47	22 32	22 44	12 45	6 3	1 51
S 14	9 19	11 47	2 56	0 37	1 12	24 12	6 20	24 8	2 10	10 53	0 53	9 55	2 44	7 54	0 48	10 36	1 51	4 40	13 47	22 31	22 44	12 42	6 4	1 51
M15	9 40	16 20	1 57	0 42	1 24	24 10	6 19	24 2	2 9	10 48	0 53	9 53	2 44	7 54	0 48	10 36	1 51	4 40	13 47	22 31	22 43	12 40	6 6	1 51
T 16	10 1	20 13	0 51	0 44	1 35	24 7	6 19	23 57	2 8	10 44	0 54	9 52	2 44	7 55	0 48	10 35	1 51	4 41	13 47	22 30	22 43	12 37	6 7	1 51
W17	10 23	23 11	0n19	0 44	1 46	24 3	6 17	23 52	2 7	10 40	0 54	9 50	2 44	7 55	0 48	10 35	1 51	4 41	13 46	22 30	22 42	12 35	6 8	1 51
T 18	10 44	24 58	1 28	0 42	1 56	23 58	6 15	23 46	2 6	10 36	0 54	9 49	2 44	7 56	0 48	10 34	1 51	4 41	13 46	22 30	22 42	12 32	6 10	1 51
F 19	11 5	25 20	2 35	0 37	2 5	23 51	6 13	23 41	2 5	10 32	0 54	9 47	2 44	7 56	0 48	10 33	1 51	4 42	13 46	22 31	22 42	12 30	6 11	1 51
S 20	11 25	24 12	3 34	0 30	2 14	23 43	6 10	23 35	2 4	10 29	0 54	9 46	2 44	7 57	0 48	10 33	1 51	4 42	13 46	22 31	22 41	12 27	6 12	1 50
S 21	11 46	21 33	4 22	0 21	2 21	23 34	6 6	23 29	2 3	10 25	0 55	9 44	2 44	7 58	0 48	10 32	1 51	4 43	13 46	22 31	22 41	12 25	6 14	1 50
M22	12 6	17 33	4 54	0 9	2 28	23 24	6 1	23 23	2 2	10 21	0 55	9 42	2 44	7 58	0 48	10 32	1 51	4 43	13 46	22 30	22 41	12 22	6 15	1 50
T 23	12 26	12 27	5 9	0n 4	2 35	23 12	5 56	23 17	2 1	10 17	0 55	9 41	2 44	7 59	0 48	10 31	1 51	4 44	13 46	22 30	22 40	12 20	6 16	1 50
W24	12 46	6 35	5 3	0 19	2 40	22 59	5 50	23 11	2 0	10 13	0 55	9 39	2 44	7 59	0 48	10 31	1 51	4 44	13 46	22 29	22 40	12 17	6 18	1 50
T 25	13 6	0 19	4 38	0 37	2 45	22 44	5 44	23 5	1 59	10 9	0 55	9 38	2 44	7 59	0 48	10 30	1 51	4 44	13 45	22 29	22 40	12 15	6 19	1 50
F 26	13 25	5s58	3 53	0 56	2 49	22 29	5 37	22 58	1 58	10 6	0 56	9 36	2 44	8 0	0 48	10 29	1 51	4 45	13 45	22 28	22 39	12 12	6 20	1 50
S 27	13 45	11 51	2 55	1 16	2 53	22 12	5 29	22 52	1 57	10 2	0 56	9 35	2 44	8 0	0 48	10 29	1 51	4 45	13 45	22 27	22 39	12 10	6 22	1 50
S 28	14 4	16 59	1 46	1 39	2 55	21 54	5 20	22 45	1 56	9 58	0 56	9 33	2 44	8 1	0 48	10 28	1 51	4 46	13 45	22 27	22 39	12 7	6 23	1 50
M29	14 22	21 3	0 32	2 3	2 58	21 35	5 11	22 38	1 55	9 55	0 56	9 32	2 44	8 1	0 48	10 28	1 51	4 46	13 45	22 27	22 38	12 5	6 24	1 50
T 30	14n41	23s51	0s41	2n28	2s59	21n14	5n 1	22n32	1n54	9s51	0s56	9s30	2n44	8n 1	0n48	10s27	1n51	4n47	13s45	22n27	22n38	12s 2	6n26	1n50

Julian Day Number = 2316495.5, Delta T = 57.76 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'46, Lahiri = 18°41'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

MAY 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 35 23	10♉27'49	3♋56	14♈24	14°R40	28♋13	7♓ 7	1°R33	11°R25	1°R59	21♉ 7	13♊21	14♊52	11♓33	12♈ 1	W 1
T 2	14 39 20	11°25'51	16°38	15°38	14♉ 3	28°43	7°17	1♏29	11♍25	1♏58	21° 8	13°23	14°48	11°40	12° 4	T 2
F 3	14 43 16	12°23'51	29° 0	16°55	13°25	29°13	7°27	1°24	11°24	1°56	21° 9	13°24	14°45	11°46	12° 8	F 3
S 4	14 47 13	13°21'50	11♒ 8	18°14	12°47	29°43	7°36	1°20	11°23	1°54	21°11	13°R25	14°42	11°53	12°11	S 4
S 5	14 51 10	14°19'48	23° 7	19°35	12° 9	0♌14	7°46	1°16	11°22	1°53	21°12	13°25	14°39	12° 0	12°14	S 5
M 6	14 55 6	15°17'44	5♓ 0	20°59	11°32	0°44	7°55	1°11	11°21	1°51	21°13	13°23	14°36	12° 6	12°17	M 6
T 7	14 59 3	16°15'39	16°52	22°25	10°55	1°15	8° 5	1° 7	11°21	1°50	21°15	13°20	14°32	12°13	12°21	T 7
W 8	15 2 59	17°13'33	28°48	23°53	10°19	1°46	8°14	1° 3	11°20	1°48	21°16	13°17	14°29	12°20	12°24	W 8
T 9	15 6 56	18°11'25	10♈51	25°23	9°45	2°16	8°23	0°58	11°20	1°46	21°17	13°13	14°26	12°27	12°27	T 9
F 10	15 10 52	19° 9'16	23° 3	26°56	9°11	2°47	8°32	0°54	11°19	1°45	21°19	13° 8	14°23	12°33	12°30	F 10
S 11	15 14 49	20° 7'05	5♉27	28°30	8°39	3°19	8°41	0°50	11°19	1°43	21°20	13° 5	14°20	12°40	12°33	S 11
S 12	15 18 45	21° 4'54	18° 4	0♉ 7	8° 8	3°50	8°49	0°46	11°18	1°42	21°22	13° 2	14°17	12°47	12°36	S 12
M13	15 22 42	22° 2'41	0♊54	1°46	7°40	4°21	8°58	0°42	11°18	1°40	21°23	13° 1	14°13	12°54	12°39	M13
T 14	15 26 39	23° 0'26	13°57	3°27	7°13	4°53	9° 6	0°38	11°17	1°39	21°24	13°D 0	14°10	13° 0	12°42	T 14
W15	15 30 35	23°58'10	27°14	5°10	6°48	5°24	9°15	0°34	11°17	1°37	21°26	13° 1	14° 7	13° 7	12°45	W15
T 16	15 34 32	24°55'53	10♋44	6°56	6°26	5°56	9°23	0°30	11°17	1°36	21°27	13° 2	14° 4	13°14	12°48	T 16
F 17	15 38 28	25°53'34	24°25	8°43	6° 5	6°28	9°31	0°26	11°17	1°34	21°28	13° 3	14° 1	13°20	12°51	F 17
S 18	15 42 25	26°51'13	8♌18	10°33	5°47	7° 0	9°39	0°22	11°17	1°33	21°30	13° 4	13°58	13°27	12°54	S 18
S 19	15 46 21	27°48'51	22°22	12°25	5°32	7°32	9°47	0°18	11°D17	1°32	21°31	13°R 5	13°54	13°34	12°57	S 19
M20	15 50 18	28°46'28	6♍34	14°19	5°18	8° 4	9°54	0°14	11°17	1°30	21°32	13° 5	13°51	13°41	13° 0	M20
T 21	15 54 14	29°44'02	20°53	16°14	5° 7	8°36	10° 2	0°11	11°17	1°29	21°34	13° 4	13°48	13°47	13° 2	T 21
W22	15 58 11	0♊41'35	5♎15	18°12	4°59	9° 9	10° 9	0° 7	11°17	1°27	21°35	13° 3	13°45	13°54	13° 5	W22
T 23	16 2 8	1°39'07	19°37	20°12	4°53	9°41	10°16	0° 4	11°17	1°26	21°36	13° 2	13°42	14° 1	13° 8	T 23
F 24	16 6 4	2°36'38	3♏54	22°14	4°49	10°14	10°23	0° 0	11°17	1°25	21°38	13° 0	13°38	14° 7	13°10	F 24
S 25	16 10 1	3°34'07	18° 2	24°18	4°D47	10°46	10°30	29♎57	11°18	1°23	21°39	12°59	13°35	14°14	13°13	S 25
S 26	16 13 57	4°31'35	1♐56	26°23	4°48	11°19	10°37	29°53	11°18	1°22	21°40	12°59	13°32	14°21	13°16	S 26
M27	16 17 54	5°29'02	15°33	28°30	4°52	11°52	10°43	29°50	11°18	1°21	21°42	12°D59	13°29	14°28	13°18	M27
T 28	16 21 50	6°26'28	28°52	0♊39	4°57	12°25	10°50	29°47	11°19	1°19	21°43	12°59	13°26	14°34	13°21	T 28
W29	16 25 47	7°23'54	11♋50	2°48	5° 5	12°58	10°56	29°44	11°19	1°18	21°44	12°59	13°23	14°41	13°23	W29
T 30	16 29 43	8°21'18	24°31	4°59	5°15	13°31	11° 2	29°41	11°20	1°17	21°46	13° 0	13°19	14°48	13°26	T 30
F 31	16 33 40	9♊18'42	6♒54	7♊10	5♉27	14♌ 4	11♓ 8	29♎38	11♍21	1♏16	21♉47	13♊ 0	13♊16	14♓55	13♈28	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14n59	25s16	1s50	2n55	3s 0	20n53	4n50	22n25	1n53	9s48	0s57	9s29	2n44	8n 2	0n48	10s27	1n51	4n47	13s45	22n27	22n38	11s59	6n27	1n50
T 2	15 17	25 17	2 52	3 24	3 0	20 31	4 39	22 17	1 52	9 44	0 57	9 27	2 44	8 2	0 48	10 26	1 51	4 47	13 45	22 27	22 37	11 57	6 28	1 50
F 3	15 35	24 3	3 44	3 54	3 0	20 8	4 27	22 10	1 51	9 41	0 57	9 26	2 43	8 2	0 48	10 26	1 51	4 48	13 45	22 27	22 37	11 54	6 29	1 50
S 4	15 53	21 42	4 25	4 25	2 58	19 45	4 15	22 3	1 50	9 37	0 57	9 24	2 43	8 3	0 48	10 25	1 51	4 48	13 45	22 27	22 37	11 52	6 31	1 50
S 5	16 10	18 27	4 54	4 57	2 57	19 21	4 2	21 56	1 49	9 34	0 58	9 23	2 43	8 3	0 48	10 25	1 51	4 49	13 45	22 27	22 36	11 49	6 32	1 50
M 6	16 27	14 30	5 10	5 30	2 55	18 57	3 49	21 48	1 49	9 31	0 58	9 22	2 43	8 3	0 47	10 24	1 51	4 49	13 45	22 27	22 36	11 47	6 33	1 50
T 7	16 44	9 59	5 12	6 5	2 52	18 33	3 36	21 40	1 48	9 27	0 58	9 20	2 43	8 3	0 47	10 23	1 51	4 49	13 44	22 27	22 35	11 44	6 34	1 50
W 8	17 1	5 5	5 2	6 41	2 48	18 8	3 22	21 33	1 47	9 24	0 58	9 19	2 43	8 4	0 47	10 23	1 51	4 50	13 44	22 26	22 35	11 42	6 36	1 50
T 9	17 17	0n 3	4 38	7 17	2 44	17 44	3 8	21 25	1 46	9 21	0 58	9 17	2 43	8 4	0 47	10 22	1 51	4 50	13 44	22 26	22 35	11 39	6 37	1 50
F 10	17 33	5 15	4 1	7 55	2 40	17 19	2 54	21 17	1 45	9 18	0 59	9 16	2 43	8 4	0 47	10 22	1 51	4 50	13 44	22 25	22 34	11 36	6 38	1 50
S 11	17 49	10 21	3 12	8 33	2 35	16 56	2 39	21 8	1 44	9 15	0 59	9 15	2 43	8 4	0 47	10 21	1 51	4 51	13 44	22 25	22 34	11 34	6 39	1 50
S 12	18 4	15 7	2 13	9 13	2 29	16 32	2 25	21 0	1 43	9 12	0 59	9 13	2 43	8 4	0 47	10 21	1 51	4 51	13 44	22 25	22 34	11 31	6 41	1 50
M13	18 19	19 18	1 6	9 53	2 23	16 9	2 11	20 52	1 42	9 9	0 59	9 12	2 42	8 4	0 47	10 20	1 51	4 52	13 44	22 24	22 33	11 29	6 42	1 50
T 14	18 34	22 37	0n 5	10 33	2 16	15 47	1 56	20 43	1 41	9 6	1 0	9 11	2 42	8 4	0 47	10 20	1 51	4 52	13 44	22 24	22 33	11 26	6 43	1 50
W15	18 48	24 45	1 18	11 15	2 9	15 25	1 42	20 35	1 41	9 3	1 0	9 9	2 42	8 4	0 47	10 19	1 51	4 52	13 44	22 24	22 32	11 24	6 44	1 50
T 16	19 2	25 30	2 27	11 56	2 1	15 4	1 28	20 26	1 40	9 0	1 0	9 8	2 42	8 4	0 47	10 19	1 51	4 53	13 44	22 25	22 32	11 21	6 45	1 50
F 17	19 16	24 42	3 29	12 39	1 53	14 45	1 14	20 17	1 39	8 57	1 0	9 7	2 42	8 4	0 47	10 18	1 51	4 53	13 44	22 25	22 32	11 18	6 46	1 50
S 18	19 30	22 24	4 20	13 21	1 45	14 26	1 0	20 8	1 38	8 54	1 1	9 6	2 42	8 4	0 47	10 18	1 51	4 53	13 44	22 25	22 31	11 16	6 47	1 50
S 19	19 43	18 44	4 55	14 4	1 36	14 8	0 47	19 59	1 37	8 52	1 1	9 5	2 42	8 4	0 47	10 17	1 51	4 54	13 44	22 25	22 31	11 13	6 49	1 50
M20	19 56	13 58	5 14	14 47	1 27	13 51	0 34	19 50	1 36	8 49	1 1	9 4	2 41	8 4	0 47	10 17	1 51	4 54	13 44	22 25	22 31	11 11	6 50	1 50
T 21	20 8	8 25	5 13	15 30	1 17	13 35	0 21	19 41	1 35	8 46	1 1	9 2	2 41	8 4	0 47	10 17	1 51	4 54	13 44	22 25	22 30	11 8	6 51	1 50
W22	20 20	2 23	4 52	16 13	1 7	13 20	0 8	19 31	1 35	8 44	1 2	9 1	2 41	8 4	0 47	10 16	1 51	4 55	13 44	22 25	22 30	11 5	6 52	1 50
T 23	20 32	3s46	4 14	16 55	0 57	13 7	0s 4	19 22	1 34	8 41	1 2	9 0	2 41	8 4	0 47	10 16	1 51	4 55	13 44	22 24	22 29	11 3	6 53	1 50
F 24	20 43	9 43	3 20	17 37	0 47	12 55	0 16	19 12	1 33	8 39	1 2	8 59	2 41	8 4	0 47	10 15	1 51	4 55	13 44	22 24	22 29	11 0	6 54	1 50
S 25	20 55	15 6	2 14	18 18	0 36	12 43	0 27	19 3	1 32	8 37	1 2	8 58	2 41	8 4	0 47	10 15	1 51	4 55	13 44	22 24	22 29	10 57	6 55	1 50
S 26	21 5	19 36	1 1	18 58	0 26	12 33	0 38	18 53	1 31	8 34	1 3	8 57	2 40	8 4	0 47	10 14	1 51	4 56	13 44	22 24	22 28	10 55	6 56	1 50
M27	21 16	22 56	0s14	19 38	0 15	12 24	0 49	18 43	1 30	8 32	1 3	8 56	2 40	8 3	0 47	10 14	1 51	4 56	13 44	22 24	22 28	10 52	6 57	1 50
T 28	21 26	24 56	1 27	20 16	0 4	12 16	0 59	18 33	1 30	8 30	1 3	8 55	2 40	8 3	0 47	10 14	1 51	4 56	13 44	22 24	22 27	10 50	6 58	1 50
W29	21 35	25 30	2 33	20 52	0n 7	12 10	1 9	18 22	1 29	8 28	1 4	8 54	2 40	8 3	0 47	10 13	1 51	4 57	13 44	22 24	22 27	10 47	6 59	1 50
T 30	21 45	24 43	3 30	21 27	0 17	12 4	1 18	18 12	1 28	8 26	1 4	8 53	2 40	8 3	0 46	10 13	1 51	4 57	13 44	22 24	22 27	10 44	7 0	1 50
F 31	21n54	22s43	4s16	22n 0	0n27	11n59	1s27	18n 2	1n27	8s24	1s 4	8s53	2n39	8n 2	0n46	10s12	1n51	4n57	13s44	22n24	22n26	10s42	7n 1	1n50

Julian Day Number = 2316525.5, Delta T = 57.70 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'51, Lahiri = 18°41'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

JUNE 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 37 37	10♊16'05	19♒ 4	9♊22	5♉41	14♌37	11♓14	29°R35	11♍21	1°R15	21♉48	13♊ 1	13♊13	15♓ 1	13♈31	S 1
S 2	16 41 33	11°13'28	1♓ 4	11°34	5°57	15°11	11°19	29♎32	11°22	1♏13	21°50	13° 1	13°10	15° 8	13°33	S 2
M 3	16 45 30	12°10'49	12°58	13°46	6°15	15°44	11°25	29°29	11°23	1°12	21°51	13°R 1	13° 7	15°15	13°35	M 3
T 4	16 49 26	13° 8'11	24°52	15°58	6°35	16°18	11°30	29°27	11°24	1°11	21°52	13°D 1	13° 4	15°21	13°37	T 4
W 5	16 53 23	14° 5'31	6♈49	18° 9	6°56	16°51	11°35	29°24	11°24	1°10	21°53	13° 1	13° 0	15°28	13°40	W 5
T 6	16 57 19	15° 2'51	18°55	20°19	7°20	17°25	11°40	29°22	11°25	1° 9	21°55	13° 1	12°57	15°35	13°42	T 6
F 7	17 1 16	16° 0'11	1♉11	22°28	7°45	17°59	11°45	29°19	11°26	1° 8	21°56	13° 1	12°54	15°42	13°44	F 7
S 8	17 5 12	16°57'30	13°43	24°36	8°11	18°32	11°50	29°17	11°27	1° 7	21°57	13° 2	12°51	15°48	13°46	S 8
S 9	17 9 9	17°54'49	26°32	26°43	8°39	19° 6	11°54	29°15	11°28	1° 6	21°58	13° 2	12°48	15°55	13°48	S 9
M10	17 13 6	18°52'07	9♊40	28°47	9° 9	19°40	11°58	29°12	11°29	1° 5	22° 0	13°R 2	12°44	16° 2	13°50	M10
T 11	17 17 2	19°49'25	23° 5	0♋50	9°40	20°15	12° 2	29°10	11°31	1° 4	22° 1	13° 2	12°41	16° 9	13°52	T 11
W12	17 20 59	20°46'42	6♋47	2°52	10°13	20°49	12° 6	29° 8	11°32	1° 3	22° 2	13° 2	12°38	16°15	13°54	W12
T 13	17 24 55	21°43'59	20°43	4°51	10°46	21°23	12°10	29° 6	11°33	1° 2	22° 3	13° 1	12°35	16°22	13°56	T 13
F 14	17 28 52	22°41'15	4♌50	6°48	11°21	21°57	12°14	29° 5	11°35	1° 1	22° 5	13° 0	12°32	16°29	13°57	F 14
S 15	17 32 48	23°38'30	19° 4	8°43	11°58	22°32	12°17	29° 3	11°36	1° 0	22° 6	12°59	12°29	16°35	13°59	S 15
S 16	17 36 45	24°35'45	3♍22	10°35	12°35	23° 6	12°20	29° 1	11°37	0°59	22° 7	12°58	12°25	16°42	14° 1	S 16
M17	17 40 42	25°32'58	17°39	12°26	13°13	23°41	12°23	29° 0	11°39	0°59	22° 8	12°57	12°22	16°49	14° 3	M17
T 18	17 44 38	26°30'11	1♎53	14°14	13°53	24°15	12°26	28°58	11°40	0°58	22° 9	12°D57	12°19	16°56	14° 4	T 18
W19	17 48 35	27°27'24	16° 1	16° 0	14°34	24°50	12°29	28°57	11°42	0°57	22°10	12°57	12°16	17° 2	14° 6	W19
T 20	17 52 31	28°24'35	0♏ 2	17°44	15°15	25°25	12°31	28°56	11°44	0°56	22°11	12°58	12°13	17° 9	14° 7	T 20
F 21	17 56 28	29°21'47	13°53	19°25	15°58	26° 0	12°33	28°55	11°45	0°56	22°13	13° 0	12°10	17°16	14° 9	F 21
S 22	18 0 24	0♋18'58	27°33	21° 4	16°42	26°35	12°35	28°54	11°47	0°55	22°14	13° 1	12° 6	17°23	14°10	S 22
S 23	18 4 21	1°16'08	11♐ 1	22°41	17°26	27° 9	12°37	28°53	11°49	0°54	22°15	13°R 1	12° 3	17°29	14°11	S 23
M24	18 8 17	2°13'19	24°16	24°16	18°11	27°45	12°39	28°52	11°51	0°54	22°16	13° 1	12° 0	17°36	14°13	M24
T 25	18 12 14	3°10'29	7♑17	25°48	18°58	28°20	12°40	28°51	11°52	0°53	22°17	13° 0	11°57	17°43	14°14	T 25
W26	18 16 11	4° 7'39	20° 3	27°18	19°45	28°55	12°42	28°50	11°54	0°53	22°18	12°57	11°54	17°49	14°15	W26
T 27	18 20 7	5° 4'49	2♒35	28°46	20°32	29°30	12°43	28°50	11°56	0°52	22°19	12°54	11°50	17°56	14°16	T 27
F 28	18 24 4	6° 1'59	14°54	0♌11	21°21	0♍ 5	12°44	28°49	11°58	0°52	22°20	12°51	11°47	18° 3	14°17	F 28
S 29	18 28 0	6°59'09	27° 2	1°34	22°10	0°41	12°44	28°49	12° 0	0°51	22°21	12°47	11°44	18°10	14°19	S 29
S 30	18 31 57	7♋56'19	9♓ 1	2♌55	23♉ 0	1♍16	12♓45	28♎49	12♍ 2	0♏51	22♉22	12♊44	11♊41	18♓16	14♈20	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 2	19s43	4s50	22n31	0n37	11n56	1s36	17n51	1n26	8s22	1s 4	8s52	2n39	8n 2	0n46	10s12	1n51	4n57	13s45	22n24	22n26	10s39	7n 2	1n50
S 2	22 10	15 56	5 10	23 0	0 47	11 53	1 45	17 41	1 25	8 20	1 5	8 51	2 39	8 2	0 46	10 12	1 51	4 58	13 45	22 24	22 26	10 36	7 3	1 50
M 3	22 18	11 34	5 17	23 26	0 56	11 52	1 52	17 30	1 25	8 18	1 5	8 50	2 39	8 2	0 46	10 11	1 51	4 58	13 45	22 24	22 25	10 34	7 4	1 50
T 4	22 25	6 47	5 10	23 50	1 5	11 51	2 0	17 19	1 24	8 16	1 5	8 49	2 39	8 1	0 46	10 11	1 51	4 58	13 45	22 24	22 25	10 31	7 5	1 50
W 5	22 32	1 43	4 50	24 11	1 13	11 51	2 7	17 8	1 23	8 14	1 6	8 49	2 38	8 1	0 46	10 11	1 51	4 58	13 45	22 24	22 24	10 28	7 5	1 50
T 6	22 39	3n28	4 17	24 29	1 21	11 52	2 14	16 57	1 22	8 13	1 6	8 48	2 38	8 0	0 46	10 10	1 50	4 59	13 45	22 24	22 24	10 26	7 6	1 50
F 7	22 45	8 36	3 32	24 44	1 28	11 54	2 21	16 46	1 21	8 11	1 6	8 47	2 38	8 0	0 46	10 10	1 50	4 59	13 45	22 24	22 24	10 23	7 7	1 50
S 8	22 51	13 31	2 35	24 57	1 34	11 57	2 27	16 35	1 21	8 10	1 6	8 47	2 38	8 0	0 46	10 10	1 50	4 59	13 45	22 24	22 23	10 20	7 8	1 50
S 9	22 56	17 58	1 30	25 7	1 40	12 0	2 33	16 23	1 20	8 8	1 7	8 46	2 38	7 59	0 46	10 9	1 50	4 59	13 45	22 25	22 23	10 18	7 9	1 50
M10	23 1	21 38	0 19	25 14	1 45	12 4	2 38	16 12	1 19	8 7	1 7	8 46	2 37	7 59	0 46	10 9	1 50	4 59	13 45	22 25	22 22	10 15	7 10	1 50
T 11	23 6	24 14	0n55	25 18	1 49	12 9	2 44	16 0	1 18	8 6	1 7	8 45	2 37	7 58	0 46	10 9	1 50	5 0	13 45	22 25	22 22	10 12	7 10	1 50
W12	23 10	25 26	2 8	25 20	1 53	12 15	2 48	15 49	1 18	8 4	1 8	8 45	2 37	7 58	0 46	10 8	1 50	5 0	13 45	22 24	22 21	10 10	7 11	1 50
T 13	23 14	25 5	3 14	25 19	1 55	12 21	2 53	15 37	1 17	8 3	1 8	8 44	2 37	7 57	0 46	10 8	1 50	5 0	13 46	22 24	22 21	10 7	7 12	1 50
F 14	23 17	23 7	4 9	25 16	1 57	12 27	2 57	15 25	1 16	8 2	1 8	8 44	2 36	7 57	0 46	10 8	1 50	5 0	13 46	22 24	22 21	10 4	7 13	1 50
S 15	23 20	19 42	4 49	25 10	1 59	12 34	3 1	15 13	1 15	8 1	1 8	8 44	2 36	7 56	0 46	10 8	1 50	5 0	13 46	22 24	22 20	10 2	7 13	1 50
S 16	23 23	15 8	5 12	25 3	1 59	12 42	3 5	15 1	1 15	8 0	1 9	8 43	2 36	7 55	0 46	10 7	1 50	5 1	13 46	22 24	22 20	9 59	7 14	1 50
M17	23 25	9 43	5 15	24 53	1 59	12 50	3 9	14 49	1 14	7 59	1 9	8 43	2 36	7 55	0 46	10 7	1 50	5 1	13 46	22 24	22 19	9 56	7 15	1 50
T 18	23 27	3 49	4 59	24 41	1 58	12 59	3 12	14 37	1 13	7 59	1 9	8 43	2 35	7 54	0 46	10 7	1 50	5 1	13 46	22 24	22 19	9 53	7 15	1 50
W19	23 28	2s14	4 25	24 27	1 56	13 8	3 15	14 24	1 12	7 58	1 10	8 42	2 35	7 54	0 46	10 7	1 50	5 1	13 46	22 24	22 19	9 51	7 16	1 50
T 20	23 29	8 8	3 36	24 12	1 54	13 17	3 18	14 12	1 12	7 57	1 10	8 42	2 35	7 53	0 46	10 7	1 50	5 1	13 46	22 24	22 18	9 48	7 16	1 50
F 21	23 29	13 35	2 34	23 55	1 51	13 27	3 20	13 59	1 11	7 57	1 10	8 42	2 35	7 52	0 46	10 6	1 50	5 1	13 47	22 24	22 18	9 45	7 17	1 50
S 22	23 29	18 17	1 24	23 36	1 48	13 37	3 23	13 47	1 10	7 56	1 11	8 42	2 34	7 52	0 46	10 6	1 50	5 1	13 47	22 24	22 17	9 43	7 18	1 50
S 23	23 29	21 58	0 11	23 16	1 43	13 48	3 25	13 34	1 9	7 56	1 11	8 42	2 34	7 51	0 45	10 6	1 50	5 1	13 47	22 24	22 17	9 40	7 18	1 50
M24	23 28	24 23	1s 2	22 55	1 38	13 58	3 26	13 21	1 9	7 55	1 11	8 42	2 34	7 50	0 45	10 6	1 50	5 2	13 47	22 24	22 16	9 37	7 19	1 50
T 25	23 27	25 27	2 10	22 33	1 33	14 9	3 28	13 8	1 8	7 55	1 11	8 42	2 34	7 49	0 45	10 6	1 50	5 2	13 47	22 24	22 16	9 34	7 19	1 51
W26	23 25	25 7	3 10	22 10	1 27	14 21	3 29	12 55	1 7	7 55	1 12	8 42	2 33	7 49	0 45	10 6	1 50	5 2	13 47	22 24	22 16	9 32	7 20	1 51
T 27	23 23	23 30	4 0	21 46	1 21	14 32	3 31	12 42	1 6	7 55	1 12	8 42	2 33	7 48	0 45	10 5	1 49	5 2	13 47	22 24	22 15	9 29	7 20	1 51
F 28	23 21	20 48	4 37	21 21	1 13	14 44	3 32	12 29	1 6	7 55	1 12	8 42	2 33	7 47	0 45	10 5	1 49	5 2	13 48	22 23	22 15	9 26	7 21	1 51
S 29	23 18	17 15	5 2	20 55	1 6	14 56	3 32	12 16	1 5	7 55	1 13	8 42	2 32	7 46	0 45	10 5	1 49	5 2	13 48	22 23	22 14	9 24	7 21	1 51
S 30	23n15	13s 2	5s13	20n29	0n58	15n 7	3s33	12n 3	1n 4	7s55	1s13	8s42	2n32	7n45	0n45	10s 5	1n49	5n 2	13s48	22n22	22n14	9s21	7n22	1n51

Julian Day Number = 2316556.5, Delta T = 57.63 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'55, Lahiri = 18°41'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

JULY 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 35 53	8♋53'30	20♓56	4♌13	23♉51	1♍52	12♓45	28°R48	12♍ 4	0°R51	22♉23	12°R41	11♊38	18♓23	14♈20	M 1
T 2	18 39 50	9°50'41	2♈49	5°28	24°42	2°27	12°R45	28°D48	12° 7	0♏50	22°24	12♊40	11°35	18°30	14°21	T 2
W 3	18 43 46	10°47'52	14°45	6°41	25°34	3° 3	12°45	28♎48	12° 9	0°50	22°25	12°D40	11°31	18°36	14°22	W 3
T 4	18 47 43	11°45'04	26°50	7°52	26°26	3°39	12°45	28°48	12°11	0°50	22°26	12°41	11°28	18°43	14°23	T 4
F 5	18 51 40	12°42'16	9♉ 7	8°59	27°19	4°14	12°45	28°49	12°13	0°49	22°27	12°42	11°25	18°50	14°24	F 5
S 6	18 55 36	13°39'28	21°42	10° 4	28°13	4°50	12°44	28°49	12°16	0°49	22°28	12°44	11°22	18°57	14°24	S 6
S 7	18 59 33	14°36'42	4♊37	11° 6	29° 7	5°26	12°43	28°49	12°18	0°49	22°29	12°45	11°19	19° 3	14°25	S 7
M 8	19 3 29	15°33'55	17°56	12° 5	0♊ 2	6° 2	12°42	28°50	12°21	0°49	22°30	12°R45	11°16	19°10	14°26	M 8
T 9	19 7 26	16°31'10	1♋37	13° 1	0°57	6°38	12°41	28°50	12°23	0°49	22°31	12°44	11°12	19°17	14°26	T 9
W10	19 11 22	17°28'24	15°41	13°54	1°53	7°14	12°40	28°51	12°26	0°48	22°31	12°41	11° 9	19°24	14°27	W10
T 11	19 15 19	18°25'39	0♌ 3	14°43	2°49	7°50	12°38	28°52	12°28	0°48	22°32	12°37	11° 6	19°30	14°27	T 11
F 12	19 19 15	19°22'54	14°38	15°29	3°46	8°27	12°36	28°53	12°31	0°48	22°33	12°31	11° 3	19°37	14°27	F 12
S 13	19 23 12	20°20'10	29°19	16°12	4°43	9° 3	12°34	28°54	12°33	0°D48	22°34	12°26	11° 0	19°44	14°28	S 13
S 14	19 27 9	21°17'26	13♍58	16°50	5°40	9°39	12°32	28°55	12°36	0°48	22°35	12°21	10°56	19°50	14°28	S 14
M15	19 31 5	22°14'42	28°29	17°25	6°38	10°16	12°29	28°56	12°39	0°48	22°35	12°17	10°53	19°57	14°28	M15
T 16	19 35 2	23°11'58	12♎49	17°56	7°36	10°52	12°27	28°57	12°41	0°49	22°36	12°15	10°50	20° 4	14°28	T 16
W17	19 38 58	24° 9'14	26°54	18°22	8°35	11°29	12°24	28°59	12°44	0°49	22°37	12°D15	10°47	20°11	14°28	W17
T 18	19 42 55	25° 6'31	10♏43	18°44	9°34	12° 5	12°21	29° 0	12°47	0°49	22°38	12°16	10°44	20°17	14°R28	T 18
F 19	19 46 51	26° 3'48	24°16	19° 2	10°33	12°42	12°18	29° 2	12°50	0°49	22°38	12°17	10°41	20°24	14°28	F 19
S 20	19 50 48	27° 1'06	7♐35	19°15	11°33	13°19	12°15	29° 4	12°53	0°49	22°39	12°R18	10°37	20°31	14°28	S 20
S 21	19 54 44	27°58'24	20°40	19°23	12°33	13°56	12°11	29° 5	12°56	0°49	22°40	12°18	10°34	20°37	14°28	S 21
M22	19 58 41	28°55'43	3♑33	19°R26	13°33	14°32	12° 8	29° 7	12°59	0°50	22°40	12°16	10°31	20°44	14°28	M22
T 23	20 2 38	29°53'02	16°14	19°24	14°34	15° 9	12° 4	29° 9	13° 2	0°50	22°41	12°11	10°28	20°51	14°28	T 23
W24	20 6 34	0♒50'22	28°45	19°17	15°35	15°46	12° 0	29°11	13° 5	0°50	22°42	12° 5	10°25	20°58	14°28	W24
T 25	20 10 31	1°47'43	11♒ 5	19° 5	16°37	16°23	11°55	29°13	13° 8	0°51	22°42	11°57	10°22	21° 4	14°27	T 25
F 26	20 14 27	2°45'04	23°16	18°47	17°38	17° 0	11°51	29°16	13°11	0°51	22°43	11°48	10°18	21°11	14°27	F 26
S 27	20 18 24	3°42'27	5♓19	18°25	18°40	17°37	11°47	29°18	13°14	0°52	22°43	11°38	10°15	21°18	14°26	S 27
S 28	20 22 20	4°39'50	17°15	17°58	19°42	18°15	11°42	29°20	13°17	0°52	22°44	11°30	10°12	21°25	14°26	S 28
M29	20 26 17	5°37'15	29° 8	17°27	20°45	18°52	11°37	29°23	13°20	0°53	22°44	11°22	10° 9	21°31	14°25	M29
T 30	20 30 13	6°34'41	10♈59	16°51	21°48	19°29	11°32	29°25	13°23	0°53	22°45	11°17	10° 6	21°38	14°25	T 30
W31	20 34 10	7♌32'08	22♈54	16♌11	22♊51	20♍ 7	11♓27	29♎28	13♍26	0♏54	22♉45	11♊13	10♊ 2	21♓45	14♈24	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n11	8s21	5s10	20n 2	0n49	15n19	3s33	11n49	1n 3	7s55	1s13	8s42	2n32	7n45	0n45	10s 5	1n49	5n 2	13s48	22n22	22n14	9s18	7n22	1n51
T 2	23 7	3 23	4 54	19 35	0 40	15 32	3 34	11 36	1 3	7 55	1 14	8 42	2 32	7 44	0 45	10 5	1 49	5 2	13 48	22 22	22 13	9 15	7 22	1 51
W 3	23 3	1n44	4 26	19 8	0 30	15 44	3 34	11 22	1 2	7 55	1 14	8 43	2 31	7 43	0 45	10 5	1 49	5 2	13 48	22 22	22 13	9 13	7 23	1 51
T 4	22 58	6 52	3 45	18 40	0 20	15 56	3 34	11 9	1 1	7 56	1 14	8 43	2 31	7 42	0 45	10 5	1 49	5 2	13 49	22 22	22 12	9 10	7 23	1 51
F 5	22 53	11 49	2 54	18 12	0 10	16 8	3 33	10 55	1 1	7 56	1 14	8 43	2 31	7 41	0 45	10 5	1 49	5 2	13 49	22 22	22 12	9 7	7 23	1 51
S 6	22 47	16 25	1 53	17 45	0s 1	16 20	3 33	10 41	1 0	7 57	1 15	8 44	2 31	7 40	0 45	10 5	1 49	5 2	13 49	22 22	22 11	9 4	7 24	1 51
S 7	22 41	20 23	0 44	17 17	0 12	16 33	3 32	10 27	0 59	7 57	1 15	8 44	2 30	7 39	0 45	10 5	1 49	5 2	13 49	22 22	22 11	9 2	7 24	1 51
M 8	22 35	23 24	0n28	16 50	0 24	16 45	3 32	10 13	0 58	7 58	1 15	8 45	2 30	7 38	0 45	10 5	1 49	5 3	13 49	22 22	22 10	8 59	7 24	1 51
T 9	22 28	25 10	1 41	16 22	0 36	16 57	3 31	9 59	0 58	7 59	1 16	8 45	2 30	7 37	0 45	10 5	1 49	5 3	13 50	22 22	22 10	8 56	7 24	1 51
W10	22 21	25 22	2 50	15 56	0 48	17 9	3 30	9 45	0 57	8 0	1 16	8 45	2 30	7 36	0 45	10 5	1 49	5 3	13 50	22 22	22 10	8 53	7 25	1 51
T 11	22 13	23 54	3 49	15 29	1 1	17 21	3 29	9 31	0 56	8 0	1 16	8 46	2 29	7 35	0 45	10 5	1 49	5 3	13 50	22 21	22 9	8 50	7 25	1 51
F 12	22 5	20 51	4 34	15 3	1 13	17 33	3 28	9 17	0 56	8 1	1 17	8 47	2 29	7 34	0 45	10 5	1 49	5 3	13 50	22 21	22 9	8 48	7 25	1 51
S 13	21 57	16 27	5 2	14 38	1 26	17 45	3 26	9 2	0 55	8 2	1 17	8 47	2 29	7 33	0 45	10 5	1 49	5 3	13 50	22 20	22 8	8 45	7 25	1 51
S 14	21 48	11 5	5 10	14 14	1 40	17 56	3 25	8 48	0 54	8 4	1 17	8 48	2 28	7 32	0 45	10 5	1 48	5 2	13 51	22 19	22 8	8 42	7 25	1 51
M15	21 39	5 9	4 58	13 51	1 53	18 7	3 23	8 34	0 53	8 5	1 17	8 49	2 28	7 31	0 45	10 5	1 48	5 2	13 51	22 19	22 7	8 39	7 25	1 51
T 16	21 29	0s58	4 27	13 29	2 7	18 19	3 21	8 19	0 53	8 6	1 18	8 49	2 28	7 30	0 45	10 5	1 48	5 2	13 51	22 19	22 7	8 37	7 25	1 51
W17	21 20	6 57	3 41	13 8	2 20	18 30	3 19	8 5	0 52	8 7	1 18	8 50	2 28	7 29	0 45	10 5	1 48	5 2	13 51	22 18	22 6	8 34	7 25	1 51
T 18	21 9	12 30	2 43	12 48	2 34	18 40	3 17	7 50	0 51	8 9	1 18	8 51	2 27	7 28	0 45	10 5	1 48	5 2	13 52	22 19	22 6	8 31	7 26	1 51
F 19	20 59	17 19	1 36	12 30	2 47	18 51	3 15	7 35	0 51	8 10	1 19	8 52	2 27	7 27	0 45	10 5	1 48	5 2	13 52	22 19	22 6	8 28	7 26	1 51
S 20	20 48	21 12	0 26	12 13	3 1	19 1	3 13	7 20	0 50	8 12	1 19	8 52	2 27	7 25	0 45	10 6	1 48	5 2	13 52	22 19	22 5	8 25	7 26	1 51
S 21	20 37	23 54	0s45	11 58	3 14	19 11	3 11	7 6	0 49	8 13	1 19	8 53	2 27	7 24	0 45	10 6	1 48	5 2	13 52	22 19	22 5	8 23	7 26	1 51
M22	20 25	25 18	1 52	11 45	3 27	19 21	3 9	6 51	0 49	8 15	1 19	8 54	2 26	7 23	0 44	10 6	1 48	5 2	13 52	22 19	22 4	8 20	7 25	1 51
T 23	20 13	25 21	2 52	11 34	3 39	19 31	3 6	6 36	0 48	8 17	1 20	8 55	2 26	7 22	0 44	10 6	1 48	5 2	13 53	22 18	22 4	8 17	7 25	1 51
W24	20 1	24 6	3 43	11 25	3 51	19 40	3 4	6 21	0 47	8 19	1 20	8 56	2 26	7 21	0 44	10 6	1 48	5 2	13 53	22 17	22 3	8 14	7 25	1 51
T 25	19 48	21 41	4 23	11 18	4 2	19 49	3 1	6 6	0 46	8 20	1 20	8 57	2 26	7 20	0 44	10 6	1 48	5 2	13 53	22 16	22 3	8 11	7 25	1 51
F 26	19 35	18 21	4 50	11 13	4 13	19 57	2 58	5 51	0 46	8 22	1 21	8 58	2 25	7 18	0 44	10 7	1 48	5 2	13 53	22 15	22 2	8 9	7 25	1 51
S 27	19 22	14 17	5 4	11 11	4 22	20 6	2 55	5 36	0 45	8 24	1 21	8 59	2 25	7 17	0 44	10 7	1 48	5 2	13 54	22 14	22 2	8 6	7 25	1 51
S 28	19 8	9 42	5 4	11 11	4 31	20 13	2 52	5 20	0 44	8 26	1 21	9 0	2 25	7 16	0 44	10 7	1 48	5 2	13 54	22 12	22 1	8 3	7 25	1 51
M29	18 54	4 48	4 51	11 13	4 38	20 21	2 49	5 5	0 44	8 28	1 21	9 1	2 24	7 15	0 44	10 7	1 48	5 1	13 54	22 11	22 1	8 0	7 25	1 52
T 30	18 40	0n17	4 26	11 18	4 44	20 28	2 46	4 50	0 43	8 31	1 22	9 3	2 24	7 13	0 44	10 8	1 48	5 1	13 54	22 11	22 1	7 57	7 24	1 52
W31	18n25	5n23	3s49	11n25	4s48	20n35	2s43	4n34	0n42	8s33	1s22	9s 4	2n24	7n12	0n44	10s 8	1n47	5n 1	13s55	22n10	22n 0	7s54	7n24	1n52

Julian Day Number = 2316586.5, Delta T = 57.56 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°34'59, Lahiri = 18°41'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

AUGUST 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 38 7	8♌29'36	4♉56	15°R29	23♊54	20♍44	11°R21	29♎31	13♍30	0♏54	22♉46	11°D12	9♊59	21♓51	14°R23	T 1
F 2	20 42 3	9°27'05	17°11	14♌43	24°58	21°22	11♓16	29°34	13°33	0°55	22°46	11♊12	9°56	21°58	14♈23	F 2
S 3	20 46 0	10°24'36	29°43	13°56	26° 2	21°59	11°10	29°37	13°36	0°56	22°47	11°13	9°53	22° 5	14°22	S 3
S 4	20 49 56	11°22'09	12♊38	13° 8	27° 6	22°37	11° 4	29°40	13°39	0°56	22°47	11°R14	9°50	22°12	14°21	S 4
M 5	20 53 53	12°19'43	25°59	12°20	28°10	23°14	10°58	29°43	13°43	0°57	22°48	11°13	9°47	22°18	14°20	M 5
T 6	20 57 49	13°17'18	9♋47	11°33	29°15	23°52	10°52	29°46	13°46	0°58	22°48	11°10	9°43	22°25	14°19	T 6
W 7	21 1 46	14°14'55	24° 3	10°47	0♋19	24°30	10°46	29°49	13°50	0°59	22°48	11° 4	9°40	22°32	14°18	W 7
T 8	21 5 43	15°12'33	8♌42	10° 4	1°24	25° 8	10°40	29°53	13°53	0°59	22°49	10°56	9°37	22°38	14°17	T 8
F 9	21 9 39	16°10'12	23°39	9°24	2°30	25°46	10°33	29°56	13°56	1° 0	22°49	10°47	9°34	22°45	14°16	F 9
S 10	21 13 36	17° 7'52	8♍43	8°49	3°35	26°24	10°27	29°59	14° 0	1° 1	22°49	10°37	9°31	22°52	14°15	S 10
S 11	21 17 32	18° 5'33	23°45	8°19	4°40	27° 2	10°20	0♏ 3	14° 3	1° 2	22°49	10°28	9°28	22°59	14°13	S 11
M12	21 21 29	19° 3'16	8♎36	7°55	5°46	27°40	10°13	0° 7	14° 7	1° 3	22°50	10°21	9°24	23° 5	14°12	M12
T 13	21 25 25	20° 1'00	23° 9	7°37	6°52	28°18	10° 6	0°11	14°10	1° 4	22°50	10°16	9°21	23°12	14°11	T 13
W14	21 29 22	20°58'44	7♏20	7°25	7°58	28°56	9°59	0°15	14°14	1° 5	22°50	10°14	9°18	23°19	14° 9	W14
T 15	21 33 18	21°56'30	21° 8	7°D21	9° 5	29°35	9°52	0°19	14°17	1° 6	22°50	10°D13	9°15	23°26	14° 8	T 15
F 16	21 37 15	22°54'17	4♐35	7°25	10°11	0♎13	9°45	0°23	14°21	1° 7	22°50	10°R13	9°12	23°32	14° 6	F 16
S 17	21 41 11	23°52'05	17°41	7°36	11°18	0°51	9°38	0°27	14°25	1° 8	22°50	10°13	9° 8	23°39	14° 5	S 17
S 18	21 45 8	24°49'55	0♑31	7°55	12°25	1°30	9°30	0°31	14°28	1° 9	22°51	10°12	9° 5	23°46	14° 3	S 18
M19	21 49 5	25°47'46	13° 8	8°21	13°32	2° 8	9°23	0°35	14°32	1°10	22°51	10° 8	9° 2	23°52	14° 2	M19
T 20	21 53 1	26°45'38	25°33	8°56	14°39	2°47	9°15	0°40	14°35	1°12	22°51	10° 1	8°59	23°59	14° 0	T 20
W21	21 56 58	27°43'31	7♒50	9°38	15°46	3°26	9° 8	0°44	14°39	1°13	22°51	9°52	8°56	24° 6	13°58	W21
T 22	22 0 54	28°41'26	19°58	10°28	16°54	4° 4	9° 0	0°49	14°43	1°14	22°51	9°40	8°53	24°13	13°57	T 22
F 23	22 4 51	29°39'22	2♓ 1	11°24	18° 2	4°43	8°52	0°53	14°46	1°15	22°R51	9°26	8°49	24°19	13°55	F 23
S 24	22 8 47	0♍37'20	13°58	12°28	19°10	5°22	8°44	0°58	14°50	1°17	22°51	9°13	8°46	24°26	13°53	S 24
S 25	22 12 44	1°35'19	25°51	13°38	20°18	6° 1	8°37	1° 2	14°54	1°18	22°51	9° 0	8°43	24°33	13°51	S 25
M26	22 16 40	2°33'21	7♈42	14°55	21°26	6°40	8°29	1° 7	14°57	1°19	22°51	8°48	8°40	24°39	13°49	M26
T 27	22 20 37	3°31'24	19°33	16°17	22°34	7°19	8°21	1°12	15° 1	1°21	22°51	8°39	8°37	24°46	13°47	T 27
W28	22 24 34	4°29'29	1♉28	17°44	23°43	7°58	8°13	1°17	15° 5	1°22	22°51	8°33	8°33	24°53	13°45	W28
T 29	22 28 30	5°27'35	13°29	19°16	24°51	8°37	8° 5	1°22	15° 9	1°23	22°50	8°30	8°30	25° 0	13°43	T 29
F 30	22 32 27	6°25'44	25°42	20°53	26° 0	9°16	7°57	1°27	15°12	1°25	22°50	8°29	8°27	25° 6	13°41	F 30
S 31	22 36 23	7♍23'55	8♊10	22♌33	27♋ 9	9♎55	7♓49	1♏32	15♍16	1♏26	22♉50	8♊28	8♊24	25♓13	13♈39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n11	10n21	3s 1	11n35	4s51	20n41	2s40	4n19	0n42	8s35	1s22	9s 5	2n24	7n11	0n44	10s 8	1n47	5n 1	13s55	22n10	22n 0	7s52	7n24	1n52
F 2	17 55	15 0	2 5	11 47	4 52	20 47	2 37	4 4	0 41	8 37	1 22	9 6	2 23	7 10	0 44	10 8	1 47	5 1	13 55	22 10	21 59	7 49	7 24	1 52
S 3	17 40	19 8	1 1	12 1	4 52	20 52	2 34	3 48	0 40	8 40	1 23	9 7	2 23	7 8	0 44	10 9	1 47	5 1	13 55	22 10	21 59	7 46	7 23	1 52
S 4	17 24	22 29	0n 8	12 17	4 49	20 57	2 30	3 33	0 40	8 42	1 23	9 9	2 23	7 7	0 44	10 9	1 47	5 1	13 56	22 10	21 58	7 43	7 23	1 52
M 5	17 8	24 43	1 18	12 34	4 45	21 2	2 27	3 17	0 39	8 45	1 23	9 10	2 23	7 6	0 44	10 9	1 47	5 0	13 56	22 10	21 58	7 40	7 23	1 52
T 6	16 52	25 33	2 26	12 53	4 39	21 6	2 23	3 2	0 38	8 47	1 23	9 11	2 22	7 4	0 44	10 10	1 47	5 0	13 56	22 10	21 57	7 37	7 22	1 52
W 7	16 35	24 45	3 27	13 13	4 31	21 9	2 20	2 46	0 38	8 50	1 23	9 13	2 22	7 3	0 44	10 10	1 47	5 0	13 56	22 9	21 57	7 35	7 22	1 52
T 8	16 18	22 15	4 17	13 34	4 21	21 13	2 16	2 30	0 37	8 52	1 24	9 14	2 22	7 2	0 44	10 10	1 47	5 0	13 57	22 8	21 56	7 32	7 21	1 52
F 9	16 1	18 13	4 49	13 55	4 10	21 15	2 13	2 15	0 36	8 55	1 24	9 16	2 22	7 0	0 44	10 11	1 47	5 0	13 57	22 6	21 56	7 29	7 21	1 52
S 10	15 44	12 59	5 2	14 17	3 57	21 17	2 9	1 59	0 36	8 58	1 24	9 17	2 21	6 59	0 44	10 11	1 47	5 0	13 57	22 5	21 55	7 26	7 21	1 52
S 11	15 26	6 59	4 55	14 38	3 43	21 19	2 5	1 43	0 35	9 1	1 24	9 19	2 21	6 58	0 44	10 11	1 47	4 59	13 57	22 4	21 55	7 23	7 20	1 52
M12	15 8	0 40	4 27	14 59	3 28	21 20	2 2	1 27	0 34	9 3	1 25	9 20	2 21	6 56	0 44	10 12	1 47	4 59	13 58	22 3	21 54	7 20	7 20	1 52
T 13	14 50	5s34	3 42	15 19	3 12	21 21	1 58	1 11	0 34	9 6	1 25	9 22	2 21	6 55	0 44	10 12	1 47	4 59	13 58	22 2	21 54	7 17	7 19	1 52
W14	14 32	11 23	2 45	15 38	2 55	21 21	1 54	0 56	0 33	9 9	1 25	9 23	2 21	6 54	0 44	10 12	1 47	4 59	13 58	22 2	21 53	7 15	7 19	1 52
T 15	14 13	16 29	1 39	15 55	2 38	21 20	1 50	0 40	0 32	9 12	1 25	9 25	2 20	6 52	0 44	10 13	1 47	4 59	13 58	22 2	21 53	7 12	7 18	1 52
F 16	13 55	20 36	0 30	16 12	2 20	21 19	1 47	0 24	0 32	9 15	1 25	9 26	2 20	6 51	0 44	10 13	1 47	4 58	13 59	22 2	21 52	7 9	7 18	1 52
S 17	13 36	23 34	0s39	16 26	2 3	21 18	1 43	0 8	0 31	9 18	1 25	9 28	2 20	6 49	0 44	10 14	1 47	4 58	13 59	22 2	21 52	7 6	7 17	1 52
S 18	13 16	25 15	1 45	16 38	1 45	21 16	1 39	0s 8	0 30	9 21	1 26	9 30	2 20	6 48	0 44	10 14	1 46	4 58	13 59	22 1	21 51	7 3	7 16	1 52
M19	12 57	25 34	2 45	16 49	1 27	21 13	1 35	0 24	0 30	9 24	1 26	9 31	2 19	6 47	0 44	10 15	1 46	4 58	13 59	22 1	21 51	7 0	7 16	1 52
T 20	12 37	24 36	3 35	16 57	1 10	21 10	1 31	0 40	0 29	9 27	1 26	9 33	2 19	6 45	0 44	10 15	1 46	4 57	14 0	22 0	21 51	6 57	7 15	1 52
W21	12 17	22 27	4 15	17 2	0 53	21 7	1 27	0 56	0 28	9 30	1 26	9 35	2 19	6 44	0 44	10 16	1 46	4 57	14 0	21 58	21 50	6 54	7 14	1 52
T 22	11 57	19 19	4 43	17 4	0 36	21 2	1 23	1 12	0 28	9 33	1 26	9 37	2 19	6 42	0 44	10 16	1 46	4 57	14 0	21 57	21 50	6 51	7 14	1 52
F 23	11 37	15 24	4 57	17 4	0 20	20 58	1 19	1 28	0 27	9 36	1 26	9 38	2 19	6 41	0 44	10 16	1 46	4 57	14 1	21 55	21 49	6 49	7 13	1 52
S 24	11 17	10 55	4 59	17 1	0 5	20 52	1 15	1 44	0 26	9 39	1 26	9 40	2 18	6 40	0 44	10 17	1 46	4 56	14 1	21 53	21 49	6 46	7 12	1 52
S 25	10 56	6 2	4 47	16 55	0n 9	20 46	1 12	2 0	0 26	9 42	1 27	9 42	2 18	6 38	0 44	10 17	1 46	4 56	14 1	21 51	21 48	6 43	7 12	1 52
M26	10 35	0 58	4 23	16 46	0 23	20 40	1 8	2 16	0 25	9 45	1 27	9 44	2 18	6 37	0 44	10 18	1 46	4 56	14 1	21 49	21 48	6 40	7 11	1 52
T 27	10 14	4n 9	3 48	16 33	0 35	20 33	1 4	2 32	0 24	9 48	1 27	9 46	2 18	6 35	0 44	10 18	1 46	4 56	14 2	21 47	21 47	6 37	7 10	1 52
W28	9 53	9 10	3 2	16 18	0 47	20 25	1 0	2 48	0 24	9 51	1 27	9 48	2 17	6 34	0 44	10 19	1 46	4 55	14 2	21 47	21 47	6 34	7 9	1 52
T 29	9 32	13 53	2 8	15 59	0 57	20 17	0 56	3 4	0 23	9 54	1 27	9 50	2 17	6 32	0 44	10 20	1 46	4 55	14 2	21 46	21 46	6 31	7 8	1 52
F 30	9 10	18 8	1 7	15 37	1 7	20 8	0 52	3 20	0 22	9 57	1 27	9 52	2 17	6 31	0 44	10 20	1 46	4 55	14 2	21 46	21 46	6 28	7 8	1 52
S 31	8n49	21n41	0s 2	15n13	1n16	19n59	0s48	3s36	0n22	10s 0	1s27	9s53	2n17	6n29	0n44	10s21	1n46	4n55	14s 3	21n46	21n45	6s25	7n 7	1n52

Julian Day Number = 2316617.5, Delta T = 57.49 sec
Ecliptic obliquity = 23°29'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'03, Lahiri = 18°42'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

SEPTEMBER 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 20	8♍22'08	21♊ 1	24♌16	28♋18	10♎34	7°R41	1♏37	15♍20	1♏28	22°R50	8°R28	8♊21	25♓20	13°R37	S 1
M 2	22 44 16	9°20'23	4♋17	26° 2	29°27	11°14	7♓33	1°42	15°24	1°29	22♉50	8♊27	8°18	25°26	13♈35	M 2
T 3	22 48 13	10°18'41	18° 2	27°51	0♌37	11°53	7°25	1°48	15°27	1°31	22°50	8°23	8°14	25°33	13°32	T 3
W 4	22 52 9	11°17'00	2♌16	29°41	1°46	12°33	7°17	1°53	15°31	1°32	22°49	8°17	8°11	25°40	13°30	W 4
T 5	22 56 6	12°15'21	16°59	1♍32	2°56	13°12	7° 9	1°59	15°35	1°34	22°49	8° 9	8° 8	25°47	13°28	T 5
F 6	23 0 3	13°13'44	2♍ 3	3°25	4° 5	13°52	7° 2	2° 4	15°39	1°36	22°49	7°58	8° 5	25°53	13°26	F 6
S 7	23 3 59	14°12'09	17°19	5°18	5°15	14°31	6°54	2°10	15°42	1°37	22°48	7°47	8° 2	26° 0	13°23	S 7
S 8	23 7 56	15°10'36	2♎37	7°12	6°25	15°11	6°46	2°15	15°46	1°39	22°48	7°37	7°59	26° 7	13°21	S 8
M 9	23 11 52	16° 9'04	17°45	9° 6	7°35	15°51	6°38	2°21	15°50	1°41	22°48	7°28	7°55	26°13	13°18	M 9
T 10	23 15 49	17° 7'35	2♏33	11° 0	8°46	16°31	6°30	2°27	15°54	1°42	22°47	7°22	7°52	26°20	13°16	T 10
W11	23 19 45	18° 6'07	16°56	12°53	9°56	17°10	6°23	2°32	15°58	1°44	22°47	7°19	7°49	26°27	13°13	W11
T 12	23 23 42	19° 4'41	0♐52	14°46	11° 6	17°50	6°15	2°38	16° 1	1°46	22°47	7°17	7°46	26°34	13°11	T 12
F 13	23 27 38	20° 3'16	14°21	16°39	12°17	18°30	6° 8	2°44	16° 5	1°48	22°46	7°17	7°43	26°40	13° 8	F 13
S 14	23 31 35	21° 1'53	27°26	18°31	13°28	19°10	6° 0	2°50	16° 9	1°49	22°46	7°17	7°39	26°47	13° 6	S 14
S 15	23 35 32	22° 0'32	10♑11	20°22	14°38	19°51	5°53	2°56	16°13	1°51	22°45	7°16	7°36	26°54	13° 3	S 15
M16	23 39 28	22°59'12	22°39	22°12	15°49	20°31	5°46	3° 2	16°16	1°53	22°45	7°12	7°33	27° 0	13° 1	M16
T 17	23 43 25	23°57'54	4♒55	24° 2	17° 0	21°11	5°38	3° 8	16°20	1°55	22°44	7° 6	7°30	27° 7	12°58	T 17
W18	23 47 21	24°56'38	17° 1	25°50	18°11	21°51	5°31	3°14	16°24	1°57	22°44	6°57	7°27	27°14	12°55	W18
T 19	23 51 18	25°55'24	29° 1	27°38	19°22	22°32	5°24	3°20	16°28	1°59	22°43	6°46	7°24	27°21	12°53	T 19
F 20	23 55 14	26°54'12	10♓57	29°25	20°34	23°12	5°18	3°27	16°31	2° 1	22°43	6°34	7°20	27°27	12°50	F 20
S 21	23 59 11	27°53'01	22°50	1♎11	21°45	23°53	5°11	3°33	16°35	2° 2	22°42	6°21	7°17	27°34	12°47	S 21
S 22	0 3 7	28°51'52	4♈42	2°56	22°57	24°33	5° 4	3°39	16°39	2° 4	22°42	6° 8	7°14	27°41	12°45	S 22
M23	0 7 4	29°50'46	16°35	4°40	24° 8	25°14	4°58	3°45	16°43	2° 6	22°41	5°57	7°11	27°47	12°42	M23
T 24	0 11 1	0♎49'42	28°29	6°23	25°20	25°54	4°51	3°52	16°46	2° 8	22°40	5°49	7° 8	27°54	12°39	T 24
W25	0 14 57	1°48'39	10♉27	8° 5	26°32	26°35	4°45	3°58	16°50	2°10	22°40	5°43	7° 5	28° 1	12°36	W25
T 26	0 18 54	2°47'39	22°32	9°47	27°44	27°16	4°39	4° 5	16°54	2°12	22°39	5°40	7° 1	28° 8	12°34	T 26
F 27	0 22 50	3°46'42	4♊48	11°27	28°56	27°57	4°33	4°11	16°57	2°14	22°38	5°D39	6°58	28°14	12°31	F 27
S 28	0 26 47	4°45'46	17°17	13° 7	0♍ 8	28°37	4°27	4°18	17° 1	2°16	22°38	5°40	6°55	28°21	12°28	S 28
S 29	0 30 43	5°44'53	0♋ 5	14°46	1°20	29°18	4°21	4°24	17° 5	2°18	22°37	5°R40	6°52	28°28	12°25	S 29
M30	0 34 40	6♎44'03	13♋16	16♎24	2♍32	29♎59	4♓16	4♏31	17♍ 8	2♏20	22♉36	5♊40	6♊49	28♓34	12♈22	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n27	24n17	1n 6	14n46	1n23	19n49	0s44	3s52	0n21	10s 3	1s27	9s55	2n17	6n28	0n44	10s21	1n46	4n54	14s 3	21n46	21n45	6s22	7n 6	1n52
M 2	8 5	25 37	2 12	14 16	1 29	19 39	0 40	4 8	0 20	10 6	1 27	9 57	2 17	6 26	0 44	10 22	1 46	4 54	14 3	21 46	21 44	6 20	7 5	1 52
T 3	7 43	25 27	3 13	13 44	1 35	19 28	0 36	4 24	0 20	10 9	1 27	9 59	2 16	6 25	0 44	10 22	1 46	4 54	14 3	21 45	21 44	6 17	7 4	1 52
W 4	7 21	23 39	4 4	13 10	1 39	19 17	0 33	4 40	0 19	10 12	1 27	10 1	2 16	6 24	0 44	10 23	1 46	4 53	14 4	21 44	21 43	6 14	7 3	1 52
T 5	6 59	20 14	4 40	12 33	1 43	19 5	0 29	4 56	0 18	10 15	1 27	10 3	2 16	6 22	0 44	10 24	1 46	4 53	14 4	21 43	21 43	6 11	7 2	1 52
F 6	6 36	15 24	4 59	11 55	1 46	18 52	0 25	5 12	0 18	10 18	1 27	10 6	2 16	6 21	0 44	10 24	1 46	4 53	14 4	21 41	21 42	6 8	7 1	1 52
S 7	6 14	9 33	4 56	11 15	1 47	18 39	0 21	5 28	0 17	10 21	1 27	10 8	2 16	6 19	0 44	10 25	1 46	4 52	14 4	21 39	21 42	6 5	7 1	1 52
S 8	5 51	3 7	4 33	10 34	1 48	18 25	0 18	5 44	0 16	10 24	1 27	10 10	2 15	6 18	0 44	10 25	1 45	4 52	14 5	21 37	21 41	6 2	7 0	1 52
M 9	5 28	3s26	3 50	9 51	1 49	18 11	0 14	6 0	0 16	10 27	1 27	10 12	2 15	6 16	0 44	10 26	1 45	4 52	14 5	21 36	21 40	5 59	6 59	1 52
T 10	5 6	9 41	2 53	9 8	1 48	17 57	0 10	6 16	0 15	10 30	1 27	10 14	2 15	6 15	0 44	10 27	1 45	4 52	14 5	21 35	21 40	5 56	6 58	1 52
W11	4 43	15 15	1 45	8 23	1 47	17 41	0 7	6 32	0 15	10 33	1 27	10 16	2 15	6 13	0 44	10 27	1 45	4 51	14 5	21 34	21 39	5 53	6 57	1 52
T 12	4 20	19 49	0 34	7 38	1 46	17 26	0 3	6 48	0 14	10 35	1 27	10 18	2 15	6 12	0 44	10 28	1 45	4 51	14 6	21 34	21 39	5 50	6 56	1 52
F 13	3 57	23 11	0s37	6 52	1 43	17 10	0n 1	7 4	0 13	10 38	1 27	10 20	2 15	6 10	0 44	10 28	1 45	4 51	14 6	21 34	21 38	5 47	6 55	1 52
S 14	3 34	25 12	1 45	6 6	1 40	16 53	0 4	7 20	0 13	10 41	1 27	10 22	2 14	6 9	0 44	10 29	1 45	4 50	14 6	21 34	21 38	5 44	6 54	1 51
S 15	3 11	25 50	2 45	5 19	1 37	16 36	0 8	7 35	0 12	10 44	1 27	10 25	2 14	6 7	0 44	10 30	1 45	4 50	14 6	21 34	21 37	5 41	6 53	1 51
M16	2 47	25 8	3 36	4 32	1 34	16 18	0 11	7 51	0 11	10 46	1 27	10 27	2 14	6 6	0 44	10 30	1 45	4 50	14 6	21 33	21 37	5 39	6 51	1 51
T 17	2 24	23 12	4 16	3 45	1 29	16 0	0 14	8 7	0 11	10 49	1 27	10 29	2 14	6 5	0 44	10 31	1 45	4 49	14 7	21 32	21 36	5 36	6 50	1 51
W18	2 1	20 16	4 43	2 57	1 25	15 41	0 18	8 23	0 10	10 51	1 27	10 31	2 14	6 3	0 44	10 32	1 45	4 49	14 7	21 31	21 36	5 33	6 49	1 51
T 19	1 37	16 30	4 58	2 10	1 20	15 22	0 21	8 38	0 9	10 54	1 27	10 33	2 14	6 2	0 44	10 32	1 45	4 49	14 7	21 29	21 35	5 30	6 48	1 51
F 20	1 14	12 6	5 0	1 23	1 15	15 3	0 24	8 54	0 9	10 57	1 27	10 36	2 14	6 0	0 44	10 33	1 45	4 48	14 7	21 27	21 35	5 27	6 47	1 51
S 21	0 51	7 16	4 49	0 36	1 10	14 43	0 27	9 9	0 8	10 59	1 27	10 38	2 13	5 59	0 44	10 34	1 45	4 48	14 8	21 25	21 34	5 24	6 46	1 51
S 22	0 27	2 11	4 25	0s11	1 4	14 23	0 30	9 25	0 7	11 1	1 27	10 40	2 13	5 57	0 44	10 35	1 45	4 48	14 8	21 23	21 34	5 21	6 45	1 51
M23	0 4	2n59	3 50	0 58	0 58	14 2	0 34	9 40	0 7	11 4	1 27	10 43	2 13	5 56	0 44	10 35	1 45	4 47	14 8	21 21	21 33	5 18	6 44	1 51
T 24	0s20	8 5	3 4	1 44	0 52	13 41	0 37	9 56	0 6	11 6	1 27	10 45	2 13	5 54	0 44	10 36	1 45	4 47	14 8	21 19	21 33	5 15	6 43	1 51
W25	0 43	12 56	2 10	2 31	0 46	13 19	0 40	10 11	0 6	11 8	1 27	10 47	2 13	5 53	0 44	10 37	1 45	4 46	14 8	21 18	21 32	5 12	6 42	1 51
T 26	1 7	17 19	1 9	3 16	0 40	12 57	0 42	10 27	0 5	11 10	1 27	10 49	2 13	5 52	0 44	10 37	1 45	4 46	14 9	21 18	21 32	5 9	6 40	1 51
F 27	1 30	21 4	0 5	4 2	0 33	12 35	0 45	10 42	0 4	11 12	1 27	10 52	2 13	5 50	0 44	10 38	1 45	4 46	14 9	21 18	21 31	5 6	6 39	1 51
S 28	1 54	23 54	1n 2	4 47	0 27	12 12	0 48	10 57	0 4	11 15	1 27	10 54	2 12	5 49	0 44	10 39	1 45	4 45	14 9	21 18	21 31	5 3	6 38	1 51
S 29	2 17	25 36	2 7	5 31	0 20	11 49	0 51	11 12	0 3	11 16	1 26	10 56	2 12	5 47	0 44	10 40	1 45	4 45	14 9	21 18	21 30	5 0	6 37	1 51
M30	2s41	25n56	3n 7	6s15	0n13	11n25	0n53	11s27	0n 2	11s18	1s26	10s59	2n12	5n46	0n44	10s40	1n45	4n45	14s 9	21n18	21n29	4s57	6n36	1n51

Julian Day Number = 2316648.5, Delta T = 57.43 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'07, Lahiri = 18°42'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

OCTOBER 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 38 36	7♎43'14	26♋52	18♎ 1	3♍45	0♏40	4°R10	4♏38	17♍12	2♏23	22°R36	5°R39	6♊45	28♓41	12°R20	T 1
W 2	0 42 33	8°42'29	10♌57	19°37	4°57	1°22	4♓ 5	4°44	17°15	2°25	22♉35	5♊35	6°42	28°48	12♈17	W 2
T 3	0 46 30	9°41'45	25°29	21°13	6°10	2° 3	4° 0	4°51	17°19	2°27	22°34	5°29	6°39	28°55	12°14	T 3
F 4	0 50 26	10°41'03	10♍24	22°48	7°22	2°44	3°55	4°58	17°23	2°29	22°33	5°21	6°36	29° 1	12°11	F 4
S 5	0 54 23	11°40'24	25°35	24°22	8°35	3°25	3°50	5° 5	17°26	2°31	22°32	5°13	6°33	29° 8	12° 8	S 5
S 6	0 58 19	12°39'47	10♎52	25°55	9°48	4° 7	3°46	5°11	17°30	2°33	22°32	5° 5	6°30	29°15	12° 5	S 6
M 7	1 2 16	13°39'12	26° 4	27°28	11° 0	4°48	3°41	5°18	17°33	2°35	22°31	4°58	6°26	29°21	12° 3	M 7
T 8	1 6 12	14°38'39	11♏ 0	29° 0	12°13	5°30	3°37	5°25	17°37	2°37	22°30	4°54	6°23	29°28	12° 0	T 8
W 9	1 10 9	15°38'08	25°33	0♏31	13°26	6°11	3°33	5°32	17°40	2°39	22°29	4°51	6°20	29°35	11°57	W 9
T 10	1 14 5	16°37'39	9♐39	2° 2	14°39	6°53	3°29	5°39	17°43	2°42	22°28	4°D51	6°17	29°42	11°54	T 10
F 11	1 18 2	17°37'11	23°17	3°32	15°53	7°34	3°25	5°46	17°47	2°44	22°27	4°52	6°14	29°48	11°51	F 11
S 12	1 21 58	18°36'46	6♑28	5° 1	17° 6	8°16	3°22	5°53	17°50	2°46	22°26	4°53	6°10	29°55	11°48	S 12
S 13	1 25 55	19°36'22	19°15	6°30	18°19	8°58	3°19	6° 0	17°54	2°48	22°25	4°R54	6° 7	0♈ 2	11°46	S 13
M14	1 29 52	20°36'00	1♒43	7°57	19°32	9°40	3°15	6° 7	17°57	2°50	22°25	4°53	6° 4	0° 8	11°43	M14
T 15	1 33 48	21°35'39	13°56	9°25	20°46	10°22	3°12	6°14	18° 0	2°53	22°24	4°51	6° 1	0°15	11°40	T 15
W16	1 37 45	22°35'21	25°58	10°51	21°59	11° 4	3°10	6°21	18° 4	2°55	22°23	4°46	5°58	0°22	11°37	W16
T 17	1 41 41	23°35'04	7♓54	12°17	23°13	11°46	3° 7	6°28	18° 7	2°57	22°22	4°40	5°55	0°29	11°35	T 17
F 18	1 45 38	24°34'49	19°46	13°41	24°26	12°28	3° 5	6°35	18°10	2°59	22°21	4°33	5°51	0°35	11°32	F 18
S 19	1 49 34	25°34'35	1♈38	15° 5	25°40	13°10	3° 3	6°42	18°13	3° 2	22°20	4°25	5°48	0°42	11°29	S 19
S 20	1 53 31	26°34'24	13°31	16°29	26°54	13°52	3° 1	6°49	18°16	3° 4	22°19	4°18	5°45	0°49	11°26	S 20
M21	1 57 27	27°34'14	25°28	17°51	28° 7	14°34	2°59	6°56	18°20	3° 6	22°18	4°12	5°42	0°55	11°24	M21
T 22	2 1 24	28°34'07	7♉30	19°12	29°21	15°17	2°58	7° 4	18°23	3° 8	22°17	4° 7	5°39	1° 2	11°21	T 22
W23	2 5 21	29°34'01	19°38	20°33	0♎35	15°59	2°56	7°11	18°26	3°10	22°16	4° 4	5°36	1° 9	11°18	W23
T 24	2 9 17	0♏33'57	1♊54	21°52	1°49	16°41	2°55	7°18	18°29	3°13	22°15	4°D 3	5°32	1°16	11°16	T 24
F 25	2 13 14	1°33'56	14°20	23°10	3° 3	17°24	2°54	7°25	18°32	3°15	22°14	4° 3	5°29	1°22	11°13	F 25
S 26	2 17 10	2°33'57	26°59	24°27	4°17	18° 6	2°53	7°32	18°35	3°17	22°13	4° 5	5°26	1°29	11°10	S 26
S 27	2 21 7	3°34'00	9♋53	25°42	5°31	18°49	2°53	7°39	18°38	3°19	22°12	4° 6	5°23	1°36	11° 8	S 27
M28	2 25 3	4°34'05	23° 5	26°56	6°45	19°32	2°53	7°47	18°41	3°22	22°10	4° 8	5°20	1°42	11° 5	M28
T 29	2 29 0	5°34'12	6♌37	28° 8	7°59	20°14	2°D53	7°54	18°44	3°24	22° 9	4°R 8	5°16	1°49	11° 3	T 29
W30	2 32 56	6°34'21	20°32	29°18	9°14	20°57	2°53	8° 1	18°47	3°26	22° 8	4° 8	5°13	1°56	11° 0	W30
T 31	2 36 53	7♏34'32	4♍48	0♐27	10♎28	21♏40	2♓53	8♏ 8	18♍49	3♏28	22♉ 7	4♊ 6	5♊10	2♈ 2	10♈58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s 4	24n44	3n59	6s59	0n 6	11n 2	0n56	11s42	0n 2	11s20	1s26	11s 1	2n12	5n44	0n44	10s41	1n45	4n44	14s10	21n17	21n29	4s54	6n35	1n51
W 2	3 28	21 58	4 38	7 42	0s 1	10 37	0 59	11 57	0 1	11 22	1 26	11 3	2 12	5 43	0 44	10 42	1 45	4 44	14 10	21 17	21 28	4 51	6 33	1 51
T 3	3 51	17 46	5 1	8 25	0 8	10 13	1 1	12 12	0 0	11 24	1 26	11 6	2 12	5 42	0 44	10 42	1 45	4 44	14 10	21 16	21 28	4 48	6 32	1 50
F 4	4 14	12 22	5 4	9 7	0 15	9 48	1 3	12 27	0s 0	11 26	1 26	11 8	2 12	5 40	0 44	10 43	1 45	4 43	14 10	21 14	21 27	4 45	6 31	1 50
S 5	4 38	6 8	4 47	9 48	0 22	9 23	1 6	12 42	0 1	11 27	1 26	11 10	2 12	5 39	0 44	10 44	1 45	4 43	14 10	21 13	21 27	4 42	6 30	1 50
S 6	5 1	0s30	4 9	10 29	0 29	8 58	1 8	12 56	0 1	11 29	1 26	11 13	2 12	5 38	0 44	10 45	1 45	4 43	14 10	21 11	21 26	4 39	6 29	1 50
M 7	5 24	7 5	3 13	11 9	0 36	8 32	1 10	13 11	0 2	11 30	1 25	11 15	2 11	5 36	0 44	10 45	1 45	4 42	14 11	21 10	21 26	4 36	6 28	1 50
T 8	5 47	13 11	2 5	11 48	0 43	8 6	1 12	13 25	0 3	11 32	1 25	11 17	2 11	5 35	0 44	10 46	1 45	4 42	14 11	21 9	21 25	4 33	6 26	1 50
W 9	6 10	18 23	0 50	12 27	0 50	7 40	1 14	13 40	0 3	11 33	1 25	11 20	2 11	5 34	0 44	10 47	1 45	4 42	14 11	21 9	21 25	4 30	6 25	1 50
T 10	6 33	22 22	0s26	13 5	0 57	7 13	1 16	13 54	0 4	11 34	1 25	11 22	2 11	5 32	0 44	10 48	1 45	4 41	14 11	21 9	21 24	4 27	6 24	1 50
F 11	6 56	24 57	1 38	13 43	1 3	6 47	1 18	14 8	0 5	11 35	1 25	11 24	2 11	5 31	0 44	10 48	1 45	4 41	14 11	21 9	21 24	4 24	6 23	1 50
S 12	7 19	26 2	2 42	14 19	1 10	6 20	1 20	14 22	0 5	11 36	1 25	11 27	2 11	5 30	0 44	10 49	1 45	4 40	14 11	21 9	21 23	4 21	6 22	1 50
S 13	7 41	25 40	3 37	14 55	1 17	5 53	1 22	14 36	0 6	11 38	1 24	11 29	2 11	5 28	0 44	10 50	1 45	4 40	14 11	21 9	21 22	4 18	6 20	1 50
M14	8 4	24 1	4 19	15 30	1 23	5 26	1 23	14 50	0 6	11 39	1 24	11 32	2 11	5 27	0 44	10 51	1 45	4 40	14 12	21 9	21 22	4 15	6 19	1 50
T 15	8 26	21 17	4 49	16 4	1 30	4 58	1 25	15 4	0 7	11 39	1 24	11 34	2 11	5 26	0 44	10 51	1 45	4 39	14 12	21 9	21 21	4 12	6 18	1 49
W16	8 48	17 40	5 5	16 38	1 36	4 30	1 26	15 18	0 8	11 40	1 24	11 36	2 11	5 24	0 44	10 52	1 45	4 39	14 12	21 8	21 21	4 9	6 17	1 49
T 17	9 11	13 23	5 9	17 10	1 42	4 3	1 28	15 31	0 8	11 41	1 24	11 39	2 11	5 23	0 44	10 53	1 45	4 39	14 12	21 7	21 20	4 6	6 16	1 49
F 18	9 33	8 38	4 58	17 42	1 48	3 35	1 29	15 45	0 9	11 42	1 24	11 41	2 11	5 22	0 44	10 54	1 45	4 38	14 12	21 6	21 20	4 3	6 15	1 49
S 19	9 54	3 33	4 35	18 13	1 54	3 6	1 30	15 58	0 9	11 42	1 23	11 43	2 11	5 21	0 44	10 55	1 45	4 38	14 12	21 4	21 19	4 0	6 13	1 49
S 20	10 16	1n39	4 0	18 43	2 0	2 38	1 32	16 12	0 10	11 43	1 23	11 46	2 11	5 20	0 44	10 55	1 45	4 38	14 12	21 3	21 19	3 57	6 12	1 49
M21	10 38	6 51	3 14	19 11	2 5	2 10	1 33	16 25	0 11	11 43	1 23	11 48	2 10	5 18	0 44	10 56	1 45	4 37	14 12	21 2	21 18	3 54	6 11	1 49
T 22	10 59	11 50	2 20	19 39	2 10	1 41	1 34	16 38	0 11	11 44	1 23	11 51	2 10	5 17	0 44	10 57	1 44	4 37	14 12	21 1	21 17	3 51	6 10	1 49
W23	11 21	16 26	1 18	20 6	2 15	1 13	1 35	16 51	0 12	11 44	1 23	11 53	2 10	5 16	0 44	10 58	1 44	4 37	14 13	21 0	21 17	3 48	6 9	1 49
T 24	11 42	20 23	0 12	20 31	2 20	0 44	1 35	17 4	0 13	11 44	1 22	11 55	2 10	5 15	0 44	10 58	1 44	4 36	14 13	21 0	21 16	3 45	6 8	1 48
F 25	12 3	23 30	0n56	20 56	2 24	0 15	1 36	17 16	0 13	11 44	1 22	11 58	2 10	5 14	0 44	10 59	1 44	4 36	14 13	21 0	21 16	3 42	6 6	1 48
S 26	12 23	25 29	2 2	21 19	2 29	0s13	1 37	17 29	0 14	11 44	1 22	12 0	2 10	5 12	0 44	11 0	1 44	4 36	14 13	21 0	21 15	3 39	6 5	1 48
S 27	12 44	26 10	3 4	21 41	2 32	0 42	1 38	17 41	0 14	11 44	1 22	12 2	2 10	5 11	0 44	11 1	1 44	4 35	14 13	21 1	21 15	3 36	6 4	1 48
M28	13 4	25 24	3 57	22 2	2 36	1 11	1 38	17 53	0 15	11 44	1 22	12 5	2 10	5 10	0 45	11 1	1 44	4 35	14 13	21 1	21 14	3 33	6 3	1 48
T 29	13 24	23 9	4 38	22 22	2 39	1 40	1 39	18 5	0 16	11 44	1 21	12 7	2 10	5 9	0 45	11 2	1 45	4 35	14 13	21 1	21 13	3 30	6 2	1 48
W30	13 44	19 29	5 5	22 40	2 41	2 9	1 39	18 17	0 16	11 44	1 21	12 9	2 10	5 8	0 45	11 3	1 45	4 35	14 13	21 1	21 13	3 27	6 1	1 48
T 31	14s 4	14n38	5n14	22s57	2s43	2s38	1n39	18s29	0s17	11s44	1s21	12s12	2n10	5n 7	0n45	11s 4	1n45	4n34	14s13	21n 1	21n12	3s24	6n 0	1n48

Julian Day Number = 2316678.5, Delta T = 57.36 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'12, Lahiri = 18°42'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

NOVEMBER 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 40 50	8♏34'46	19♍23	1♐32	11♎42	22♏23	2♓53	8♏15	18♍52	3♏31	22°R 6	4°R 3	5♊ 7	2♈ 9	10°R55	F 1
S 2	2 44 46	9°35'01	4♎14	2°36	12°57	23° 6	2°54	8°22	18°55	3°33	22♉ 5	3♊59	5° 4	2°16	10♈53	S 2
S 3	2 48 43	10°35'18	19°12	3°36	14°11	23°49	2°55	8°30	18°58	3°35	22° 4	3°56	5° 1	2°23	10°51	S 3
M 4	2 52 39	11°35'38	4♏10	4°33	15°26	24°32	2°56	8°37	19° 0	3°37	22° 3	3°53	4°57	2°29	10°48	M 4
T 5	2 56 36	12°35'59	18°59	5°26	16°40	25°15	2°58	8°44	19° 3	3°40	22° 2	3°51	4°54	2°36	10°46	T 5
W 6	3 0 32	13°36'21	3♐31	6°15	17°55	25°58	2°59	8°51	19° 5	3°42	22° 1	3°D51	4°51	2°43	10°44	W 6
T 7	3 4 29	14°36'46	17°40	6°59	19° 9	26°41	3° 1	8°58	19° 8	3°44	22° 0	3°51	4°48	2°49	10°41	T 7
F 8	3 8 25	15°37'12	1♑24	7°39	20°24	27°25	3° 3	9° 6	19°10	3°46	21°58	3°52	4°45	2°56	10°39	F 8
S 9	3 12 22	16°37'39	14°42	8°12	21°38	28° 8	3° 5	9°13	19°13	3°49	21°57	3°54	4°42	3° 3	10°37	S 9
S 10	3 16 19	17°38'08	27°35	8°39	22°53	28°52	3° 7	9°20	19°15	3°51	21°56	3°55	4°38	3°10	10°35	S 10
M11	3 20 15	18°38'38	10♒ 8	8°58	24° 8	29°35	3°10	9°27	19°18	3°53	21°55	3°56	4°35	3°16	10°33	M11
T 12	3 24 12	19°39'09	22°23	9° 9	25°23	0♐19	3°13	9°34	19°20	3°55	21°54	3°R56	4°32	3°23	10°31	T 12
W13	3 28 8	20°39'42	4♓26	9°R12	26°37	1° 2	3°15	9°41	19°22	3°57	21°53	3°56	4°29	3°30	10°29	W13
T 14	3 32 5	21°40'16	16°21	9° 5	27°52	1°46	3°19	9°48	19°25	3°59	21°52	3°54	4°26	3°36	10°27	T 14
F 15	3 36 1	22°40'51	28°13	8°49	29° 7	2°29	3°22	9°55	19°27	4° 2	21°51	3°53	4°22	3°43	10°25	F 15
S 16	3 39 58	23°41'27	10♈ 5	8°21	0♏22	3°13	3°25	10° 3	19°29	4° 4	21°49	3°51	4°19	3°50	10°23	S 16
S 17	3 43 54	24°42'04	22° 0	7°43	1°37	3°57	3°29	10°10	19°31	4° 6	21°48	3°50	4°16	3°56	10°21	S 17
M18	3 47 51	25°42'43	4♉ 2	6°55	2°52	4°41	3°33	10°17	19°33	4° 8	21°47	3°49	4°13	4° 3	10°19	M18
T 19	3 51 48	26°43'24	16°14	5°56	4° 7	5°25	3°37	10°24	19°35	4°10	21°46	3°48	4°10	4°10	10°18	T 19
W20	3 55 44	27°44'05	28°35	4°49	5°22	6° 9	3°41	10°31	19°37	4°12	21°45	3°D48	4° 7	4°17	10°16	W20
T 21	3 59 41	28°44'48	11♊ 8	3°35	6°37	6°53	3°46	10°38	19°39	4°14	21°44	3°48	4° 3	4°23	10°14	T 21
F 22	4 3 37	29°45'32	23°54	2°15	7°52	7°37	3°51	10°45	19°41	4°16	21°43	3°48	4° 0	4°30	10°13	F 22
S 23	4 7 34	0♐46'18	6♋52	0°53	9° 7	8°21	3°55	10°51	19°43	4°18	21°42	3°48	3°57	4°37	10°11	S 23
S 24	4 11 30	1°47'05	20° 4	29♏31	10°22	9° 5	4° 0	10°58	19°44	4°21	21°40	3°49	3°54	4°43	10°10	S 24
M25	4 15 27	2°47'54	3♌30	28°12	11°37	9°49	4° 6	11° 5	19°46	4°23	21°39	3°49	3°51	4°50	10° 8	M25
T 26	4 19 23	3°48'44	17° 9	26°58	12°52	10°34	4°11	11°12	19°48	4°25	21°38	3°R49	3°48	4°57	10° 7	T 26
W27	4 23 20	4°49'35	1♍ 2	25°52	14° 7	11°18	4°17	11°19	19°49	4°27	21°37	3°D49	3°44	5° 4	10° 5	W27
T 28	4 27 17	5°50'28	15° 7	24°56	15°22	12° 2	4°22	11°26	19°51	4°29	21°36	3°49	3°41	5°10	10° 4	T 28
F 29	4 31 13	6°51'22	29°24	24°10	16°37	12°47	4°28	11°32	19°52	4°31	21°35	3°49	3°38	5°17	10° 3	F 29
S 30	4 35 10	7♐52'18	13♎49	23♏35	17♏52	13♐31	4♓34	11♏39	19♍54	4♏33	21♉34	3♊49	3♊35	5♈24	10♈ 2	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s23	8n51	5n 3	23s12	2s45	3s 7	1n40	18s41	0s17	11s43	1s21	12s14	2n10	5n 6	0n45	11s 4	1n45	4n34	14s13	21n 0	21n12	3s21	5n59	1n47
S 2	14 43	2 28	4 31	23 26	2 46	3 36	1 40	18 52	0 18	11 43	1 21	12 16	2 10	5 5	0 45	11 5	1 45	4 34	14 13	20 59	21 11	3 18	5 58	1 47
S 3	15 2	4s 7	3 41	23 38	2 46	4 4	1 40	19 4	0 19	11 42	1 20	12 19	2 10	5 4	0 45	11 6	1 45	4 33	14 13	20 59	21 11	3 15	5 57	1 47
M 4	15 21	10 29	2 36	23 48	2 46	4 33	1 40	19 15	0 19	11 42	1 20	12 21	2 10	5 3	0 45	11 7	1 45	4 33	14 13	20 58	21 10	3 12	5 56	1 47
T 5	15 39	16 12	1 21	23 57	2 45	5 2	1 40	19 26	0 20	11 41	1 20	12 23	2 10	5 2	0 45	11 7	1 45	4 33	14 13	20 58	21 9	3 9	5 55	1 47
W 6	15 57	20 52	0 2	24 4	2 43	5 30	1 40	19 37	0 20	11 40	1 20	12 26	2 10	5 1	0 45	11 8	1 45	4 32	14 13	20 58	21 9	3 6	5 53	1 47
T 7	16 15	24 10	1s16	24 9	2 40	5 59	1 39	19 48	0 21	11 39	1 20	12 28	2 10	5 0	0 45	11 9	1 45	4 32	14 13	20 58	21 8	3 3	5 52	1 47
F 8	16 33	25 55	2 26	24 12	2 36	6 27	1 39	19 58	0 22	11 39	1 19	12 30	2 10	4 59	0 45	11 10	1 45	4 32	14 13	20 58	21 8	3 0	5 51	1 47
S 9	16 50	26 6	3 27	24 12	2 31	6 56	1 39	20 9	0 22	11 38	1 19	12 32	2 10	4 58	0 45	11 10	1 45	4 32	14 13	20 58	21 7	2 57	5 51	1 46
S 10	17 8	24 51	4 15	24 11	2 25	7 24	1 38	20 19	0 23	11 37	1 19	12 35	2 10	4 57	0 45	11 11	1 45	4 31	14 13	20 59	21 7	2 53	5 50	1 46
M11	17 24	22 23	4 49	24 6	2 18	7 52	1 38	20 29	0 23	11 35	1 19	12 37	2 10	4 56	0 45	11 12	1 45	4 31	14 13	20 59	21 6	2 50	5 49	1 46
T 12	17 41	18 57	5 10	24 0	2 9	8 20	1 37	20 39	0 24	11 34	1 19	12 39	2 10	4 55	0 45	11 13	1 45	4 31	14 13	20 59	21 5	2 47	5 48	1 46
W13	17 57	14 48	5 16	23 50	1 59	8 47	1 36	20 48	0 24	11 33	1 18	12 41	2 10	4 54	0 45	11 13	1 45	4 31	14 13	20 59	21 5	2 44	5 47	1 46
T 14	18 13	10 8	5 9	23 37	1 47	9 15	1 36	20 58	0 25	11 32	1 18	12 44	2 10	4 54	0 45	11 14	1 45	4 30	14 13	20 58	21 4	2 41	5 46	1 46
F 15	18 29	5 7	4 48	23 22	1 34	9 42	1 35	21 7	0 26	11 30	1 18	12 46	2 10	4 53	0 45	11 15	1 45	4 30	14 13	20 58	21 4	2 38	5 45	1 46
S 16	18 44	0n 5	4 15	23 3	1 19	10 9	1 34	21 16	0 26	11 29	1 18	12 48	2 10	4 52	0 45	11 15	1 45	4 30	14 13	20 58	21 3	2 35	5 44	1 45
S 17	18 59	5 19	3 31	22 41	1 3	10 36	1 33	21 25	0 27	11 27	1 18	12 50	2 10	4 51	0 45	11 16	1 45	4 30	14 13	20 58	21 2	2 32	5 43	1 45
M18	19 14	10 25	2 38	22 15	0 45	11 3	1 32	21 34	0 27	11 26	1 17	12 52	2 10	4 50	0 45	11 17	1 45	4 29	14 13	20 57	21 2	2 29	5 42	1 45
T 19	19 28	15 12	1 36	21 46	0 26	11 29	1 31	21 42	0 28	11 24	1 17	12 54	2 10	4 50	0 45	11 17	1 45	4 29	14 13	20 57	21 1	2 26	5 41	1 45
W20	19 42	19 25	0 29	21 15	0 6	11 55	1 30	21 51	0 28	11 22	1 17	12 57	2 10	4 49	0 45	11 18	1 45	4 29	14 13	20 57	21 1	2 23	5 41	1 45
T 21	19 55	22 50	0n41	20 41	0n14	12 21	1 29	21 59	0 29	11 20	1 17	12 59	2 10	4 48	0 45	11 19	1 45	4 29	14 13	20 57	21 0	2 20	5 40	1 45
F 22	20 8	25 10	1 49	20 5	0 35	12 47	1 27	22 7	0 30	11 18	1 17	13 1	2 10	4 47	0 45	11 19	1 45	4 29	14 13	20 57	21 0	2 17	5 39	1 44
S 23	20 21	26 12	2 53	19 29	0 55	13 12	1 26	22 14	0 30	11 16	1 16	13 3	2 10	4 47	0 45	11 20	1 45	4 28	14 13	20 57	20 59	2 14	5 38	1 44
S 24	20 34	25 46	3 50	18 53	1 14	13 37	1 25	22 22	0 31	11 14	1 16	13 5	2 10	4 46	0 45	11 21	1 45	4 28	14 13	20 57	20 58	2 11	5 38	1 44
M25	20 46	23 51	4 34	18 18	1 32	14 2	1 23	22 29	0 31	11 12	1 16	13 7	2 11	4 45	0 45	11 21	1 45	4 28	14 13	20 57	20 58	2 8	5 37	1 44
T 26	20 57	20 33	5 4	17 46	1 48	14 26	1 22	22 36	0 32	11 10	1 16	13 9	2 11	4 45	0 46	11 22	1 45	4 28	14 13	20 57	20 57	2 4	5 36	1 44
W27	21 9	16 4	5 17	17 17	2 3	14 50	1 20	22 43	0 32	11 8	1 15	13 11	2 11	4 44	0 46	11 23	1 45	4 28	14 12	20 57	20 57	2 1	5 36	1 44
T 28	21 19	10 39	5 11	16 51	2 15	15 13	1 19	22 49	0 33	11 6	1 15	13 13	2 11	4 44	0 46	11 23	1 45	4 28	14 12	20 57	20 56	1 58	5 35	1 44
F 29	21 30	4 37	4 46	16 31	2 25	15 36	1 17	22 56	0 33	11 3	1 15	13 15	2 11	4 43	0 46	11 24	1 45	4 27	14 12	20 57	20 55	1 55	5 34	1 43
S 30	21s40	1s44	4n 3	16s15	2n32	15s59	1n15	23s 2	0s34	11s 1	1s15	13s17	2n11	4n43	0n46	11s25	1n45	4n27	14s12	20n57	20n55	1s52	5n34	1n43

Julian Day Number = 2316709.5, Delta T = 57.30 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'16, Lahiri = 18°42'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1630
geocentric

DECEMBER 1630 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 6	8♐53'15	28♎20	23°R12	19♏ 8	14♐16	4♓41	11♏46	19♍55	4♏34	21°R33	3♊50	3♊32	5♈30	10°R 0	S 1
M 2	4 43 3	9°54'13	12♏51	23♏ 0	20°23	15° 0	4°47	11°52	19°56	4°36	21♉32	3°50	3°28	5°37	9♈59	M 2
T 3	4 46 59	10°55'12	27°16	22°D59	21°38	15°45	4°54	11°59	19°58	4°38	21°31	3°R51	3°25	5°44	9°58	T 3
W 4	4 50 56	11°56'13	11♐31	23° 8	22°53	16°30	5° 0	12° 6	19°59	4°40	21°30	3°51	3°22	5°50	9°57	W 4
T 5	4 54 53	12°57'14	25°30	23°27	24° 9	17°15	5° 7	12°12	20° 0	4°42	21°29	3°50	3°19	5°57	9°56	T 5
F 6	4 58 49	13°58'16	9♑10	23°53	25°24	17°59	5°14	12°19	20° 1	4°44	21°28	3°49	3°16	6° 4	9°55	F 6
S 7	5 2 46	14°59'19	22°28	24°28	26°39	18°44	5°22	12°25	20° 2	4°46	21°26	3°48	3°13	6°11	9°55	S 7
S 8	5 6 42	16° 0'22	5♒25	25° 9	27°54	19°29	5°29	12°32	20° 3	4°48	21°25	3°46	3° 9	6°17	9°54	S 8
M 9	5 10 39	17° 1'26	18° 1	25°56	29°10	20°14	5°37	12°38	20° 4	4°49	21°24	3°44	3° 6	6°24	9°53	M 9
T 10	5 14 35	18° 2'31	0♓20	26°48	0♐25	20°59	5°44	12°44	20° 5	4°51	21°23	3°43	3° 3	6°31	9°52	T 10
W11	5 18 32	19° 3'35	12°25	27°45	1°40	21°44	5°52	12°51	20° 6	4°53	21°22	3°42	3° 0	6°37	9°52	W11
T 12	5 22 28	20° 4'40	24°21	28°47	2°56	22°29	6° 0	12°57	20° 7	4°55	21°21	3°D42	2°57	6°44	9°51	T 12
F 13	5 26 25	21° 5'46	6♈12	29°51	4°11	23°14	6° 9	13° 3	20° 8	4°56	21°21	3°43	2°54	6°51	9°51	F 13
S 14	5 30 22	22° 6'52	18° 4	0♐59	5°26	24° 0	6°17	13° 9	20° 8	4°58	21°20	3°44	2°50	6°57	9°50	S 14
S 15	5 34 18	23° 7'58	0♉ 1	2°10	6°42	24°45	6°25	13°15	20° 9	5° 0	21°19	3°46	2°47	7° 4	9°50	S 15
M16	5 38 15	24° 9'04	12° 7	3°23	7°57	25°30	6°34	13°21	20°10	5° 1	21°18	3°47	2°44	7°11	9°50	M16
T 17	5 42 11	25°10'11	24°26	4°38	9°12	26°15	6°43	13°27	20°10	5° 3	21°17	3°48	2°41	7°18	9°49	T 17
W18	5 46 8	26°11'18	7♊ 0	5°55	10°28	27° 1	6°52	13°33	20°11	5° 4	21°16	3°R49	2°38	7°24	9°49	W18
T 19	5 50 4	27°12'25	19°50	7°13	11°43	27°46	7° 1	13°39	20°11	5° 6	21°15	3°48	2°34	7°31	9°49	T 19
F 20	5 54 1	28°13'33	2♋59	8°33	12°58	28°32	7°10	13°45	20°11	5° 8	21°14	3°45	2°31	7°38	9°49	F 20
S 21	5 57 57	29°14'41	16°23	9°55	14°14	29°17	7°19	13°51	20°12	5° 9	21°13	3°42	2°28	7°44	9°D49	S 21
S 22	6 1 54	0♑15'49	0♌ 2	11°17	15°29	0♑ 3	7°29	13°56	20°12	5°11	21°12	3°38	2°25	7°51	9°49	S 22
M23	6 5 51	1°16'58	13°53	12°41	16°44	0°48	7°38	14° 2	20°12	5°12	21°12	3°34	2°22	7°58	9°49	M23
T 24	6 9 47	2°18'07	27°52	14° 5	18° 0	1°34	7°48	14° 8	20°12	5°13	21°11	3°30	2°19	8° 4	9°49	T 24
W25	6 13 44	3°19'16	11♍57	15°30	19°15	2°20	7°58	14°13	20°12	5°15	21°10	3°27	2°15	8°11	9°49	W25
T 26	6 17 40	4°20'26	26° 5	16°56	20°31	3° 5	8° 8	14°19	20°R12	5°16	21° 9	3°25	2°12	8°18	9°50	T 26
F 27	6 21 37	5°21'36	10♎15	18°23	21°46	3°51	8°18	14°24	20°12	5°18	21° 8	3°D25	2° 9	8°25	9°50	F 27
S 28	6 25 33	6°22'47	24°23	19°50	23° 1	4°37	8°28	14°29	20°12	5°19	21° 8	3°26	2° 6	8°31	9°50	S 28
S 29	6 29 30	7°23'58	8♏29	21°18	24°17	5°23	8°38	14°35	20°12	5°20	21° 7	3°27	2° 3	8°38	9°51	S 29
M30	6 33 26	8°25'09	22°31	22°47	25°32	6° 9	8°49	14°40	20°12	5°21	21° 6	3°29	2° 0	8°45	9°51	M30
T 31	6 37 23	9♑26'21	6♐27	24♐16	26♐48	6♑55	8♓59	14♏45	20♍11	5♏23	21♉ 5	3°R29	1♊56	8♈51	9♈52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s50	8s 2	3n 5	16s 4	2n38	16s22	1n14	23s 8	0s35	10s58	1s15	13s19	2n11	4n42	0n46	11s25	1n45	4n27	14s12	20n58	20n54	1s49	5n33	1n43
M 2	21 59	13 55	1 54	15 57	2 42	16 44	1 12	23 13	0 35	10 56	1 15	13 21	2 11	4 42	0 46	11 26	1 45	4 27	14 12	20 58	20 54	1 46	5 32	1 43
T 3	22 8	19 0	0 36	15 55	2 44	17 5	1 10	23 19	0 36	10 53	1 14	13 23	2 11	4 41	0 46	11 27	1 45	4 27	14 12	20 58	20 53	1 43	5 32	1 43
W 4	22 16	22 55	0s42	15 57	2 44	17 26	1 8	23 24	0 36	10 51	1 14	13 25	2 11	4 41	0 46	11 27	1 45	4 27	14 12	20 58	20 52	1 40	5 31	1 43
T 5	22 24	25 22	1 57	16 3	2 43	17 47	1 6	23 29	0 37	10 48	1 14	13 27	2 11	4 40	0 46	11 28	1 45	4 27	14 11	20 58	20 52	1 37	5 31	1 42
F 6	22 31	26 13	3 3	16 11	2 41	18 7	1 4	23 34	0 37	10 45	1 14	13 29	2 11	4 40	0 46	11 28	1 45	4 26	14 11	20 57	20 51	1 34	5 30	1 42
S 7	22 38	25 31	3 58	16 23	2 37	18 26	1 2	23 38	0 38	10 42	1 14	13 31	2 11	4 39	0 46	11 29	1 45	4 26	14 11	20 57	20 50	1 31	5 30	1 42
S 8	22 45	23 27	4 39	16 37	2 33	18 46	1 0	23 42	0 38	10 39	1 13	13 32	2 11	4 39	0 46	11 29	1 45	4 26	14 11	20 57	20 50	1 27	5 29	1 42
M 9	22 51	20 17	5 4	16 53	2 28	19 4	0 58	23 46	0 39	10 36	1 13	13 34	2 12	4 39	0 46	11 30	1 45	4 26	14 11	20 56	20 49	1 24	5 29	1 42
T 10	22 57	16 17	5 16	17 10	2 23	19 22	0 56	23 50	0 39	10 33	1 13	13 36	2 12	4 38	0 46	11 31	1 45	4 26	14 11	20 56	20 49	1 21	5 28	1 42
W11	23 2	11 43	5 13	17 29	2 17	19 40	0 54	23 54	0 40	10 30	1 13	13 38	2 12	4 38	0 46	11 31	1 46	4 26	14 11	20 56	20 48	1 18	5 28	1 41
T 12	23 7	6 46	4 56	17 49	2 10	19 57	0 51	23 57	0 40	10 27	1 13	13 40	2 12	4 38	0 46	11 32	1 46	4 26	14 10	20 56	20 47	1 15	5 28	1 41
F 13	23 11	1 37	4 27	18 9	2 3	20 13	0 49	24 0	0 41	10 24	1 12	13 41	2 12	4 38	0 46	11 32	1 46	4 26	14 10	20 56	20 47	1 12	5 27	1 41
S 14	23 15	3n37	3 46	18 30	1 56	20 29	0 47	24 2	0 41	10 21	1 12	13 43	2 12	4 37	0 46	11 33	1 46	4 26	14 10	20 56	20 46	1 9	5 27	1 41
S 15	23 19	8 45	2 56	18 52	1 48	20 44	0 45	24 5	0 42	10 17	1 12	13 45	2 12	4 37	0 46	11 33	1 46	4 26	14 10	20 57	20 46	1 6	5 27	1 41
M16	23 22	13 39	1 57	19 13	1 41	20 59	0 42	24 7	0 42	10 14	1 12	13 47	2 12	4 37	0 46	11 34	1 46	4 26	14 10	20 57	20 45	1 3	5 26	1 41
T 17	23 24	18 5	0 52	19 35	1 33	21 13	0 40	24 9	0 43	10 11	1 12	13 48	2 12	4 37	0 46	11 34	1 46	4 26	14 9	20 57	20 44	1 0	5 26	1 40
W18	23 26	21 49	0n18	19 56	1 25	21 26	0 38	24 11	0 43	10 7	1 12	13 50	2 13	4 37	0 46	11 35	1 46	4 26	14 9	20 57	20 44	0 56	5 26	1 40
T 19	23 28	24 33	1 27	20 18	1 17	21 39	0 35	24 12	0 44	10 4	1 11	13 52	2 13	4 37	0 46	11 35	1 46	4 26	14 9	20 57	20 43	0 53	5 26	1 40
F 20	23 29	26 1	2 34	20 38	1 9	21 51	0 33	24 13	0 44	10 0	1 11	13 53	2 13	4 36	0 47	11 36	1 46	4 26	14 9	20 57	20 42	0 50	5 26	1 40
S 21	23 29	26 0	3 33	20 58	1 1	22 3	0 31	24 14	0 45	9 56	1 11	13 55	2 13	4 36	0 47	11 36	1 46	4 26	14 9	20 56	20 42	0 47	5 25	1 40
S 22	23 29	24 26	4 21	21 18	0 53	22 14	0 28	24 15	0 45	9 53	1 11	13 56	2 13	4 36	0 47	11 36	1 46	4 26	14 8	20 55	20 41	0 44	5 25	1 40
M23	23 29	21 24	4 55	21 37	0 45	22 24	0 26	24 15	0 46	9 49	1 11	13 58	2 13	4 36	0 47	11 37	1 46	4 26	14 8	20 55	20 41	0 41	5 25	1 39
T 24	23 28	17 6	5 11	21 55	0 37	22 34	0 23	24 15	0 46	9 45	1 11	13 59	2 13	4 36	0 47	11 37	1 46	4 26	14 8	20 54	20 40	0 38	5 25	1 39
W25	23 27	11 51	5 9	22 13	0 29	22 42	0 21	24 15	0 47	9 41	1 10	14 1	2 13	4 36	0 47	11 38	1 46	4 26	14 8	20 53	20 39	0 35	5 25	1 39
T 26	23 25	5 58	4 49	22 29	0 22	22 51	0 18	24 14	0 47	9 38	1 10	14 2	2 14	4 36	0 47	11 38	1 46	4 26	14 8	20 53	20 39	0 32	5 25	1 39
F 27	23 23	0s13	4 11	22 45	0 14	22 58	0 16	24 13	0 48	9 34	1 10	14 4	2 14	4 36	0 47	11 39	1 46	4 26	14 7	20 53	20 38	0 28	5 25	1 39
S 28	23 20	6 25	3 17	23 0	0 6	23 5	0 13	24 12	0 48	9 30	1 10	14 5	2 14	4 36	0 47	11 39	1 46	4 26	14 7	20 53	20 37	0 25	5 25	1 39
S 29	23 17	12 16	2 12	23 13	0s 1	23 11	0 11	24 11	0 48	9 26	1 10	14 7	2 14	4 37	0 47	11 39	1 46	4 26	14 7	20 53	20 37	0 22	5 25	1 38
M30	23 13	17 29	0 59	23 26	0 8	23 16	0 8	24 10	0 49	9 22	1 10	14 8	2 14	4 37	0 47	11 40	1 46	4 26	14 7	20 54	20 36	0 19	5 25	1 38
T 31	23s 9	21s42	0s16	23s37	0s16	23s21	0n 6	24s 8	0s49	9s18	1s10	14s 9	2n14	4n37	0n47	11s40	1n46	4n26	14s 6	20n54	20n36	0s16	5n25	1n38

Julian Day Number = 2316739.5, Delta T = 57.23 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'20, Lahiri = 18°42'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

JANUARY 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 41 20	10♑27'32	20♐15	25♐45	28♐ 3	7♑41	9♓10	14♏50	20°R11	5♏24	21°R 5	3°R28	1♊53	8♈58	9♈53	W 1
T 2	6 45 16	11°28'44	3♑52	27°15	29°18	8°27	9°21	14°55	20♍11	5°25	21♉ 4	3♊25	1°50	9° 5	9°53	T 2
F 3	6 49 13	12°29'55	17°15	28°46	0♑34	9°13	9°31	15° 0	20°10	5°26	21° 3	3°20	1°47	9°11	9°54	F 3
S 4	6 53 9	13°31'06	0♒23	0♑17	1°49	9°59	9°42	15° 5	20°10	5°27	21° 3	3°13	1°44	9°18	9°55	S 4
S 5	6 57 6	14°32'17	13°14	1°48	3° 5	10°45	9°54	15°10	20° 9	5°28	21° 2	3° 5	1°40	9°25	9°56	S 5
M 6	7 1 2	15°33'27	25°48	3°20	4°20	11°31	10° 5	15°14	20° 8	5°29	21° 2	2°57	1°37	9°31	9°56	M 6
T 7	7 4 59	16°34'37	8♓ 6	4°52	5°35	12°17	10°16	15°19	20° 8	5°30	21° 1	2°50	1°34	9°38	9°57	T 7
W 8	7 8 56	17°35'46	20°12	6°25	6°51	13° 4	10°27	15°23	20° 7	5°31	21° 0	2°44	1°31	9°45	9°58	W 8
T 9	7 12 52	18°36'55	2♈ 8	7°58	8° 6	13°50	10°39	15°28	20° 6	5°32	21° 0	2°41	1°28	9°52	9°59	T 9
F 10	7 16 49	19°38'02	13°59	9°32	9°22	14°36	10°51	15°32	20° 5	5°33	20°59	2°39	1°25	9°58	10° 1	F 10
S 11	7 20 45	20°39'09	25°49	11° 6	10°37	15°22	11° 2	15°37	20° 5	5°34	20°59	2°D39	1°21	10° 5	10° 2	S 11
S 12	7 24 42	21°40'15	7♉45	12°41	11°52	16° 9	11°14	15°41	20° 4	5°35	20°58	2°40	1°18	10°12	10° 3	S 12
M13	7 28 38	22°41'21	19°50	14°16	13° 8	16°55	11°26	15°45	20° 3	5°36	20°58	2°41	1°15	10°18	10° 4	M13
T 14	7 32 35	23°42'26	2♊11	15°52	14°23	17°42	11°38	15°49	20° 2	5°37	20°57	2°R42	1°12	10°25	10° 6	T 14
W15	7 36 31	24°43'29	14°51	17°29	15°38	18°28	11°50	15°53	20° 1	5°37	20°57	2°41	1° 9	10°32	10° 7	W15
T 16	7 40 28	25°44'32	27°54	19° 5	16°54	19°15	12° 2	15°57	19°59	5°38	20°57	2°38	1° 6	10°38	10° 9	T 16
F 17	7 44 25	26°45'34	11♋19	20°43	18° 9	20° 1	12°14	16° 1	19°58	5°39	20°56	2°33	1° 2	10°45	10°10	F 17
S 18	7 48 21	27°46'36	25° 7	22°21	19°24	20°48	12°27	16° 5	19°57	5°39	20°56	2°25	0°59	10°52	10°12	S 18
S 19	7 52 18	28°47'36	9♌13	24° 0	20°40	21°34	12°39	16° 8	19°56	5°40	20°55	2°16	0°56	10°59	10°13	S 19
M20	7 56 14	29°48'36	23°34	25°39	21°55	22°21	12°51	16°12	19°54	5°41	20°55	2° 6	0°53	11° 5	10°15	M20
T 21	8 0 11	0♒49'35	8♍ 2	27°19	23°10	23° 7	13° 4	16°15	19°53	5°41	20°55	1°57	0°50	11°12	10°17	T 21
W22	8 4 7	1°50'33	22°32	28°59	24°26	23°54	13°17	16°19	19°52	5°42	20°55	1°50	0°46	11°19	10°18	W22
T 23	8 8 4	2°51'30	6♎57	0♒41	25°41	24°41	13°29	16°22	19°50	5°42	20°54	1°44	0°43	11°25	10°20	T 23
F 24	8 12 0	3°52'27	21°14	2°23	26°56	25°27	13°42	16°25	19°49	5°43	20°54	1°42	0°40	11°32	10°22	F 24
S 25	8 15 57	4°53'23	5♏20	4° 5	28°12	26°14	13°55	16°28	19°47	5°43	20°54	1°D41	0°37	11°39	10°24	S 25
S 26	8 19 54	5°54'19	19°15	5°48	29°27	27° 1	14° 8	16°31	19°45	5°43	20°54	1°41	0°34	11°45	10°26	S 26
M27	8 23 50	6°55'14	2♐58	7°32	0♒42	27°48	14°21	16°34	19°44	5°44	20°53	1°R42	0°31	11°52	10°28	M27
T 28	8 27 47	7°56'08	16°30	9°17	1°58	28°35	14°34	16°37	19°42	5°44	20°53	1°41	0°27	11°59	10°30	T 28
W29	8 31 43	8°57'01	29°52	11° 2	3°13	29°21	14°47	16°40	19°40	5°44	20°53	1°37	0°24	12° 5	10°32	W29
T 30	8 35 40	9°57'53	13♑ 4	12°48	4°28	0♒ 8	15° 0	16°43	19°39	5°45	20°53	1°31	0°21	12°12	10°34	T 30
F 31	8 39 36	10♒58'45	26♑ 4	14♒35	5♒43	0♒55	15♓13	16♏45	19♍37	5♏45	20♉53	1♊22	0♊18	12♈19	10♈36	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 5	24s38	1s30	23s48	0s23	23s25	0n 3	24s 6	0s50	9s13	1s 9	14s11	2n14	4n37	0n47	11s40	1n47	4n26	14s 6	20n53	20n35	0s13	5n25	1n38
T 2	22 59	26 3	2 38	23 57	0 30	23 28	0 1	24 3	0 50	9 9	1 9	14 12	2 15	4 37	0 47	11 41	1 47	4 26	14 6	20 53	20 34	0 10	5 25	1 38
F 3	22 54	25 56	3 35	24 5	0 36	23 31	0s 1	24 1	0 51	9 5	1 9	14 13	2 15	4 37	0 47	11 41	1 47	4 26	14 6	20 52	20 34	0 7	5 25	1 37
S 4	22 48	24 20	4 20	24 12	0 43	23 33	0 4	23 58	0 51	9 1	1 9	14 15	2 15	4 38	0 47	11 41	1 47	4 26	14 5	20 51	20 33	0 4	5 25	1 37
S 5	22 42	21 31	4 51	24 18	0 49	23 34	0 6	23 55	0 52	8 56	1 9	14 16	2 15	4 38	0 47	11 42	1 47	4 26	14 5	20 49	20 32	0 0	5 26	1 37
M 6	22 35	17 45	5 6	24 22	0 55	23 34	0 9	23 51	0 52	8 52	1 9	14 17	2 15	4 38	0 47	11 42	1 47	4 27	14 5	20 48	20 32	0n 3	5 26	1 37
T 7	22 27	13 18	5 7	24 25	1 1	23 33	0 11	23 47	0 52	8 48	1 9	14 18	2 15	4 39	0 47	11 42	1 47	4 27	14 4	20 46	20 31	0 6	5 26	1 37
W 8	22 20	8 24	4 55	24 27	1 7	23 32	0 14	23 43	0 53	8 43	1 9	14 19	2 16	4 39	0 47	11 43	1 47	4 27	14 4	20 45	20 30	0 9	5 26	1 37
T 9	22 12	3 16	4 29	24 27	1 13	23 30	0 16	23 39	0 53	8 39	1 8	14 20	2 16	4 39	0 47	11 43	1 47	4 27	14 4	20 44	20 30	0 12	5 27	1 37
F 10	22 3	1n57	3 52	24 26	1 18	23 28	0 18	23 34	0 54	8 34	1 8	14 22	2 16	4 40	0 47	11 43	1 47	4 27	14 4	20 44	20 29	0 15	5 27	1 36
S 11	21 54	7 7	3 6	24 24	1 23	23 25	0 21	23 30	0 54	8 30	1 8	14 23	2 16	4 40	0 47	11 43	1 47	4 27	14 3	20 44	20 28	0 18	5 27	1 36
S 12	21 44	12 4	2 10	24 20	1 28	23 20	0 23	23 25	0 54	8 25	1 8	14 24	2 16	4 40	0 47	11 43	1 47	4 27	14 3	20 44	20 28	0 21	5 28	1 36
M13	21 35	16 38	1 9	24 15	1 32	23 16	0 25	23 19	0 55	8 20	1 8	14 25	2 16	4 41	0 48	11 44	1 47	4 28	14 3	20 44	20 27	0 25	5 28	1 36
T 14	21 24	20 36	0 3	24 9	1 37	23 10	0 28	23 14	0 55	8 16	1 8	14 26	2 17	4 41	0 48	11 44	1 47	4 28	14 2	20 45	20 27	0 28	5 28	1 36
W15	21 13	23 42	1n 5	24 1	1 41	23 4	0 30	23 8	0 56	8 11	1 8	14 27	2 17	4 42	0 48	11 44	1 47	4 28	14 2	20 44	20 26	0 31	5 29	1 36
T 16	21 2	25 39	2 11	23 51	1 45	22 57	0 32	23 2	0 56	8 6	1 8	14 28	2 17	4 42	0 48	11 44	1 47	4 28	14 2	20 44	20 25	0 34	5 29	1 35
F 17	20 51	26 11	3 12	23 40	1 48	22 49	0 35	22 55	0 56	8 1	1 7	14 28	2 17	4 43	0 48	11 44	1 47	4 28	14 2	20 43	20 25	0 37	5 30	1 35
S 18	20 39	25 8	4 3	23 28	1 51	22 41	0 37	22 49	0 57	7 57	1 7	14 29	2 17	4 43	0 48	11 45	1 48	4 28	14 1	20 41	20 24	0 40	5 30	1 35
S 19	20 27	22 29	4 40	23 14	1 54	22 32	0 39	22 42	0 57	7 52	1 7	14 30	2 18	4 44	0 48	11 45	1 48	4 29	14 1	20 39	20 23	0 43	5 31	1 35
M20	20 14	18 25	5 1	22 58	1 57	22 22	0 41	22 34	0 57	7 47	1 7	14 31	2 18	4 44	0 48	11 45	1 48	4 29	14 1	20 38	20 23	0 47	5 31	1 35
T 21	20 1	13 15	5 3	22 41	1 59	22 12	0 43	22 27	0 58	7 42	1 7	14 32	2 18	4 45	0 48	11 45	1 48	4 29	14 0	20 36	20 22	0 50	5 32	1 35
W22	19 47	7 20	4 45	22 22	2 1	22 1	0 45	22 19	0 58	7 37	1 7	14 33	2 18	4 45	0 48	11 45	1 48	4 29	14 0	20 34	20 21	0 53	5 32	1 34
T 23	19 34	1 3	4 9	22 2	2 2	21 49	0 47	22 11	0 58	7 32	1 7	14 33	2 18	4 46	0 48	11 45	1 48	4 30	14 0	20 33	20 21	0 56	5 33	1 34
F 24	19 19	5s14	3 18	21 40	2 3	21 37	0 49	22 3	0 59	7 27	1 7	14 34	2 19	4 47	0 48	11 45	1 48	4 30	13 59	20 33	20 20	0 59	5 33	1 34
S 25	19 5	11 12	2 16	21 17	2 4	21 24	0 51	21 55	0 59	7 22	1 7	14 35	2 19	4 47	0 48	11 45	1 48	4 30	13 59	20 32	20 19	1 2	5 34	1 34
S 26	18 50	16 31	1 6	20 52	2 4	21 10	0 53	21 46	0 59	7 17	1 7	14 35	2 19	4 48	0 48	11 45	1 48	4 30	13 59	20 32	20 19	1 5	5 35	1 34
M27	18 35	20 54	0s 7	20 26	2 4	20 56	0 55	21 37	1 0	7 12	1 7	14 36	2 19	4 49	0 48	11 46	1 48	4 31	13 59	20 33	20 18	1 9	5 35	1 34
T 28	18 19	24 6	1 18	19 57	2 4	20 41	0 57	21 28	1 0	7 7	1 6	14 37	2 19	4 49	0 48	11 46	1 48	4 31	13 58	20 32	20 17	1 12	5 36	1 34
W29	18 3	25 53	2 24	19 28	2 3	20 25	0 58	21 19	1 0	7 1	1 6	14 37	2 20	4 50	0 48	11 46	1 48	4 31	13 58	20 32	20 17	1 15	5 37	1 33
T 30	17 47	26 11	3 21	18 56	2 1	20 9	1 0	21 9	1 1	6 56	1 6	14 38	2 20	4 51	0 48	11 46	1 48	4 31	13 58	20 30	20 16	1 18	5 37	1 33
F 31	17s31	25s 1	4s 7	18s23	1s59	19s53	1s 2	20s59	1s 1	6s51	1s 6	14s38	2n20	4n52	0n48	11s46	1n48	4n32	13s57	20n29	20n15	1n21	5n38	1n33

Julian Day Number = 2316770.5, Delta T = 57.16 sec
Ecliptic obliquity = 23°29'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'24, Lahiri = 18°42'25Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

FEBRUARY 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 43 33	11♒59'35	8♒54	16♒22	6♒59	1♒42	15♓27	16♏48	19°R35	5♏45	20°R53	1°R10	0♊15	12♈25	10♈39	S 1
S 2	8 47 29	13° 0'23	21°31	18°10	8°14	2°29	15°40	16°50	19♍33	5°45	20♉53	0♊57	0°12	12°32	10°41	S 2
M 3	8 51 26	14° 1'11	3♓55	19°58	9°29	3°16	15°54	16°52	19°31	5°45	20°53	0°44	0° 8	12°39	10°43	M 3
T 4	8 55 23	15° 1'57	16° 8	21°46	10°44	4° 3	16° 7	16°54	19°29	5°45	20°D53	0°31	0° 5	12°46	10°46	T 4
W 5	8 59 19	16° 2'41	28°10	23°35	12° 0	4°50	16°21	16°56	19°27	5°45	20°53	0°20	0° 2	12°52	10°48	W 5
T 6	9 3 16	17° 3'24	10♈ 4	25°24	13°15	5°37	16°34	16°58	19°25	5°R45	20°53	0°12	29♉59	12°59	10°50	T 6
F 7	9 7 12	18° 4'05	21°54	27°14	14°30	6°24	16°48	17° 0	19°23	5°45	20°53	0° 6	29°56	13° 6	10°53	F 7
S 8	9 11 9	19° 4'45	3♉42	29° 3	15°45	7°11	17° 1	17° 2	19°21	5°45	20°53	0° 3	29°52	13°12	10°55	S 8
S 9	9 15 5	20° 5'23	15°35	0♓52	17° 0	7°58	17°15	17° 4	19°19	5°45	20°53	0° 2	29°49	13°19	10°58	S 9
M10	9 19 2	21° 5'59	27°38	2°40	18°16	8°45	17°29	17° 5	19°16	5°45	20°53	0° 2	29°46	13°26	11° 1	M10
T 11	9 22 58	22° 6'34	9♊56	4°27	19°31	9°32	17°43	17° 7	19°14	5°45	20°53	0° 2	29°43	13°32	11° 3	T 11
W12	9 26 55	23° 7'07	22°35	6°14	20°46	10°19	17°57	17° 8	19°12	5°45	20°54	0° 0	29°40	13°39	11° 6	W12
T 13	9 30 52	24° 7'38	5♋39	7°59	22° 1	11° 6	18°11	17° 9	19°10	5°45	20°54	29♉57	29°37	13°46	11° 9	T 13
F 14	9 34 48	25° 8'07	19°11	9°42	23°16	11°53	18°25	17°10	19° 7	5°44	20°54	29°50	29°33	13°52	11°12	F 14
S 15	9 38 45	26° 8'35	3♌10	11°22	24°31	12°41	18°39	17°11	19° 5	5°44	20°54	29°41	29°30	13°59	11°14	S 15
S 16	9 42 41	27° 9'01	17°34	13° 0	25°46	13°28	18°53	17°12	19° 3	5°44	20°54	29°29	29°27	14° 6	11°17	S 16
M17	9 46 38	28° 9'24	2♍18	14°35	27° 1	14°15	19° 7	17°13	19° 0	5°43	20°55	29°17	29°24	14°12	11°20	M17
T 18	9 50 34	29° 9'47	17°13	16° 5	28°16	15° 2	19°21	17°14	18°58	5°43	20°55	29° 6	29°21	14°19	11°23	T 18
W19	9 54 31	0♓10'07	2♎10	17°31	29°32	15°49	19°35	17°15	18°56	5°43	20°55	28°56	29°17	14°26	11°26	W19
T 20	9 58 27	1°10'26	16°59	18°52	0♓47	16°36	19°49	17°15	18°53	5°42	20°56	28°49	29°14	14°33	11°29	T 20
F 21	10 2 24	2°10'44	1♏35	20° 7	2° 2	17°23	20° 3	17°16	18°51	5°42	20°56	28°45	29°11	14°39	11°32	F 21
S 22	10 6 21	3°11'00	15°53	21°15	3°17	18°11	20°17	17°16	18°48	5°41	20°56	28°43	29° 8	14°46	11°35	S 22
S 23	10 10 17	4°11'15	29°51	22°16	4°32	18°58	20°32	17°16	18°46	5°41	20°57	28°43	29° 5	14°53	11°38	S 23
M24	10 14 14	5°11'29	13♐30	23°10	5°47	19°45	20°46	17°16	18°43	5°40	20°57	28°42	29° 2	14°59	11°41	M24
T 25	10 18 10	6°11'41	26°52	23°56	7° 2	20°32	21° 0	17°R16	18°41	5°39	20°58	28°41	28°58	15° 6	11°44	T 25
W26	10 22 7	7°11'51	9♑58	24°33	8°16	21°19	21°15	17°16	18°38	5°39	20°58	28°38	28°55	15°13	11°48	W26
T 27	10 26 3	8°12'00	22°50	25° 1	9°31	22° 7	21°29	17°16	18°36	5°38	20°59	28°31	28°52	15°19	11°51	T 27
F 28	10 30 0	9♓12'07	5♒31	25♓20	10♓46	22♒54	21♓43	17♏16	18♍33	5♏37	20♉59	28♉22	28♉49	15♈26	11♈54	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s14	22s33	4s39	17s49	1s57	19s35	1s 3	20s49	1s 1	6s46	1s 6	14s39	2n20	4n52	0n48	11s46	1n48	4n32	13s57	20n26	20n15	1n24	5n39	1n33
S 2	16 57	19 2	4 57	17 13	1 53	19 17	1 5	20 39	1 1	6 41	1 6	14 39	2 20	4 53	0 48	11 46	1 48	4 32	13 57	20 24	20 14	1 27	5 39	1 33
M 3	16 39	14 45	5 0	16 36	1 50	18 59	1 7	20 28	1 2	6 35	1 6	14 40	2 21	4 54	0 48	11 46	1 49	4 33	13 56	20 21	20 13	1 31	5 40	1 33
T 4	16 22	9 56	4 50	15 57	1 46	18 40	1 8	20 17	1 2	6 30	1 6	14 40	2 21	4 55	0 48	11 46	1 49	4 33	13 56	20 18	20 13	1 34	5 41	1 32
W 5	16 4	4 48	4 27	15 16	1 41	18 20	1 9	20 6	1 2	6 25	1 6	14 41	2 21	4 55	0 48	11 46	1 49	4 33	13 56	20 16	20 12	1 37	5 42	1 32
T 6	15 45	0n27	3 52	14 34	1 35	18 0	1 11	19 55	1 2	6 19	1 6	14 41	2 21	4 56	0 48	11 46	1 49	4 33	13 55	20 14	20 11	1 40	5 43	1 32
F 7	15 27	5 39	3 7	13 51	1 29	17 40	1 12	19 43	1 3	6 14	1 6	14 41	2 21	4 57	0 48	11 45	1 49	4 34	13 55	20 13	20 11	1 43	5 44	1 32
S 8	15 8	10 40	2 15	13 7	1 22	17 19	1 13	19 32	1 3	6 9	1 6	14 41	2 22	4 58	0 48	11 45	1 49	4 34	13 55	20 12	20 10	1 46	5 44	1 32
S 9	14 49	15 20	1 16	12 21	1 15	16 57	1 15	19 20	1 3	6 3	1 6	14 42	2 22	4 59	0 48	11 45	1 49	4 34	13 54	20 12	20 9	1 49	5 45	1 32
M10	14 30	19 28	0 13	11 35	1 7	16 35	1 16	19 8	1 3	5 58	1 6	14 42	2 22	5 0	0 48	11 45	1 49	4 35	13 54	20 12	20 9	1 53	5 46	1 32
T 11	14 10	22 51	0n52	10 48	0 58	16 13	1 17	18 55	1 4	5 52	1 5	14 42	2 22	5 1	0 48	11 45	1 49	4 35	13 54	20 12	20 8	1 56	5 47	1 31
W12	13 50	25 13	1 56	10 0	0 48	15 50	1 18	18 43	1 4	5 47	1 5	14 42	2 23	5 2	0 48	11 45	1 49	4 36	13 53	20 12	20 7	1 59	5 48	1 31
T 13	13 30	26 18	2 56	9 11	0 38	15 26	1 19	18 30	1 4	5 41	1 5	14 43	2 23	5 2	0 48	11 45	1 49	4 36	13 53	20 11	20 7	2 2	5 49	1 31
F 14	13 10	25 53	3 49	8 22	0 27	15 3	1 20	18 17	1 4	5 36	1 5	14 43	2 23	5 3	0 48	11 45	1 49	4 36	13 53	20 9	20 6	2 5	5 50	1 31
S 15	12 50	23 51	4 29	7 33	0 16	14 38	1 21	18 4	1 4	5 30	1 5	14 43	2 23	5 4	0 48	11 45	1 49	4 37	13 52	20 7	20 5	2 8	5 51	1 31
S 16	12 29	20 15	4 54	6 45	0 4	14 14	1 21	17 51	1 5	5 25	1 5	14 43	2 23	5 5	0 49	11 44	1 49	4 37	13 52	20 5	20 4	2 11	5 52	1 31
M17	12 8	15 20	5 0	5 57	0n 9	13 49	1 22	17 37	1 5	5 19	1 5	14 43	2 24	5 6	0 49	11 44	1 49	4 37	13 52	20 2	20 4	2 15	5 53	1 31
T 18	11 47	9 26	4 45	5 9	0 23	13 24	1 23	17 24	1 5	5 13	1 5	14 43	2 24	5 7	0 49	11 44	1 49	4 38	13 52	20 0	20 3	2 18	5 54	1 31
W19	11 26	2 59	4 12	4 23	0 36	12 58	1 23	17 10	1 5	5 8	1 5	14 43	2 24	5 8	0 49	11 44	1 50	4 38	13 51	19 58	20 2	2 21	5 55	1 30
T 20	11 5	3s35	3 21	3 39	0 50	12 32	1 24	16 56	1 5	5 2	1 5	14 43	2 24	5 9	0 49	11 44	1 50	4 38	13 51	19 56	20 2	2 24	5 56	1 30
F 21	10 43	9 54	2 18	2 56	1 5	12 5	1 24	16 42	1 6	4 57	1 5	14 43	2 24	5 10	0 49	11 43	1 50	4 39	13 51	19 55	20 1	2 27	5 57	1 30
S 22	10 22	15 33	1 7	2 15	1 20	11 39	1 25	16 27	1 6	4 51	1 5	14 43	2 25	5 11	0 49	11 43	1 50	4 39	13 50	19 55	20 0	2 30	5 58	1 30
S 23	10 0	20 16	0s 6	1 38	1 34	11 12	1 25	16 13	1 6	4 45	1 5	14 42	2 25	5 12	0 49	11 43	1 50	4 40	13 50	19 55	20 0	2 34	5 59	1 30
M24	9 38	23 45	1 17	1 3	1 49	10 44	1 26	15 58	1 6	4 40	1 5	14 42	2 25	5 13	0 49	11 43	1 50	4 40	13 50	19 55	19 59	2 37	6 0	1 30
T 25	9 15	25 50	2 23	0 32	2 3	10 17	1 26	15 43	1 6	4 34	1 5	14 42	2 25	5 14	0 49	11 42	1 50	4 40	13 49	19 54	19 58	2 40	6 2	1 30
W26	8 53	26 26	3 19	0 4	2 17	9 49	1 26	15 28	1 6	4 28	1 5	14 42	2 26	5 15	0 49	11 42	1 50	4 41	13 49	19 54	19 58	2 43	6 3	1 30
T 27	8 31	25 34	4 5	0n19	2 31	9 21	1 26	15 13	1 6	4 23	1 5	14 42	2 26	5 16	0 49	11 42	1 50	4 41	13 49	19 52	19 57	2 46	6 4	1 29
F 28	8s 8	23s24	4s37	0n39	2n44	8s52	1s26	14s58	1s 6	4s17	1s 5	14s41	2n26	5n17	0n49	11s42	1n50	4n42	13s48	19n50	19n56	2n49	6n 5	1n29

Julian Day Number = 2316801.5, Delta T = 57.10 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'29, Lahiri = 18°42'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

MARCH 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 33 56	10♓12'12	18♒ 2	25♓30	12♓ 1	23♒41	21♓58	17°R16	18°R30	5°R37	21♉ 0	28°R10	28♉46	15♈33	11♈57	S 1
S 2	10 37 53	11°12'16	0♓23	25°R31	13°16	24°28	22°12	17♏15	18♍28	5♏36	21° 0	27♉56	28°43	15°39	12° 1	S 2
M 3	10 41 50	12°12'17	12°35	25°22	14°31	25°15	22°27	17°14	18°25	5°35	21° 1	27°42	28°39	15°46	12° 4	M 3
T 4	10 45 46	13°12'17	24°38	25° 5	15°46	26° 3	22°41	17°14	18°23	5°34	21° 1	27°29	28°36	15°53	12° 7	T 4
W 5	10 49 43	14°12'15	6♈34	24°40	17° 1	26°50	22°56	17°13	18°20	5°33	21° 2	27°18	28°33	15°59	12°10	W 5
T 6	10 53 39	15°12'10	18°25	24° 7	18°16	27°37	23°10	17°12	18°17	5°33	21° 3	27° 9	28°30	16° 6	12°14	T 6
F 7	10 57 36	16°12'04	0♉13	23°27	19°30	28°24	23°24	17°11	18°15	5°32	21° 3	27° 3	28°27	16°13	12°17	F 7
S 8	11 1 32	17°11'55	12° 1	22°42	20°45	29°11	23°39	17°10	18°12	5°31	21° 4	26°59	28°23	16°19	12°21	S 8
S 9	11 5 29	18°11'45	23°53	21°52	22° 0	29°58	23°53	17° 9	18°10	5°30	21° 5	26°D58	28°20	16°26	12°24	S 9
M10	11 9 25	19°11'32	5♊54	20°59	23°15	0♓46	24° 8	17° 8	18° 7	5°29	21° 5	26°58	28°17	16°33	12°28	M10
T 11	11 13 22	20°11'17	18°10	20° 3	24°29	1°33	24°23	17° 6	18° 4	5°28	21° 6	26°R59	28°14	16°39	12°31	T 11
W12	11 17 18	21°10'59	0♋44	19° 6	25°44	2°20	24°37	17° 5	18° 2	5°27	21° 7	26°58	28°11	16°46	12°35	W12
T 13	11 21 15	22°10'40	13°44	18°10	26°59	3° 7	24°52	17° 3	17°59	5°26	21° 8	26°56	28° 8	16°53	12°38	T 13
F 14	11 25 12	23°10'18	27°11	17°15	28°14	3°54	25° 6	17° 1	17°57	5°25	21° 8	26°52	28° 4	17° 0	12°42	F 14
S 15	11 29 8	24° 9'53	11♌ 9	16°23	29°28	4°41	25°21	17° 0	17°54	5°23	21° 9	26°45	28° 1	17° 6	12°45	S 15
S 16	11 33 5	25° 9'27	25°35	15°34	0♈43	5°28	25°35	16°58	17°51	5°22	21°10	26°36	27°58	17°13	12°49	S 16
M17	11 37 1	26° 8'58	10♍26	14°49	1°57	6°15	25°50	16°56	17°49	5°21	21°11	26°27	27°55	17°20	12°52	M17
T 18	11 40 58	27° 8'27	25°33	14° 9	3°12	7° 2	26° 4	16°54	17°46	5°20	21°12	26°18	27°52	17°26	12°56	T 18
W19	11 44 54	28° 7'54	10♎47	13°34	4°27	7°50	26°19	16°52	17°44	5°19	21°13	26°10	27°49	17°33	12°59	W19
T 20	11 48 51	29° 7'19	25°57	13° 5	5°41	8°37	26°33	16°49	17°41	5°18	21°13	26° 4	27°45	17°40	13° 3	T 20
F 21	11 52 47	0♈ 6'42	10♏53	12°42	6°56	9°24	26°48	16°47	17°39	5°16	21°14	26° 1	27°42	17°46	13° 7	F 21
S 22	11 56 44	1° 6'03	25°29	12°24	8°10	10°11	27° 2	16°45	17°36	5°15	21°15	26°D 0	27°39	17°53	13°10	S 22
S 23	12 0 41	2° 5'23	9♐41	12°13	9°25	10°58	27°17	16°42	17°34	5°14	21°16	26° 1	27°36	18° 0	13°14	S 23
M24	12 4 37	3° 4'41	23°28	12°D 7	10°39	11°45	27°31	16°40	17°31	5°12	21°17	26° 2	27°33	18° 6	13°18	M24
T 25	12 8 34	4° 3'57	6♑51	12° 7	11°53	12°32	27°46	16°37	17°29	5°11	21°18	26°R 2	27°29	18°13	13°21	T 25
W26	12 12 30	5° 3'11	19°53	12°13	13° 8	13°19	28° 0	16°34	17°26	5°10	21°19	26° 1	27°26	18°20	13°25	W26
T 27	12 16 27	6° 2'24	2♒38	12°24	14°22	14° 5	28°15	16°32	17°24	5° 8	21°20	25°58	27°23	18°26	13°29	T 27
F 28	12 20 23	7° 1'35	15° 7	12°40	15°37	14°52	28°29	16°29	17°21	5° 7	21°21	25°52	27°20	18°33	13°32	F 28
S 29	12 24 20	8° 0'43	27°25	13° 2	16°51	15°39	28°44	16°26	17°19	5° 6	21°22	25°45	27°17	18°40	13°36	S 29
S 30	12 28 16	8°59'50	9♓33	13°27	18° 5	16°26	28°58	16°23	17°16	5° 4	21°23	25°36	27°14	18°46	13°40	S 30
M31	12 32 13	9♈58'55	21♓34	13♓58	19♈20	17♓13	29♓13	16♏20	17♍14	5♏ 3	21♉24	25♉27	27♉10	18♈53	13♈44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s45	20s 8	4s56	0n54	2n56	8s24	1s26	14s42	1s 7	4s11	1s 5	14s41	2n26	5n18	0n49	11s41	1n50	4n42	13s48	19n48	19n55	2n53	6n 6	1n29
S 2	7 23	16 2	5 0	1 4	3 6	7 55	1 26	14 26	1 7	4 6	1 5	14 41	2 26	5 19	0 49	11 41	1 50	4 43	13 48	19 45	19 55	2 56	6 7	1 29
M 3	7 0	11 19	4 50	1 9	3 16	7 26	1 26	14 11	1 7	4 0	1 5	14 40	2 27	5 20	0 49	11 41	1 50	4 43	13 48	19 41	19 54	2 59	6 9	1 29
T 4	6 37	6 14	4 28	1 10	3 24	6 56	1 26	13 55	1 7	3 54	1 5	14 40	2 27	5 21	0 49	11 40	1 50	4 43	13 47	19 38	19 53	3 2	6 10	1 29
W 5	6 14	0 58	3 54	1 6	3 31	6 27	1 25	13 39	1 7	3 48	1 5	14 39	2 27	5 22	0 49	11 40	1 50	4 44	13 47	19 36	19 53	3 5	6 11	1 29
T 6	5 51	4n19	3 9	0 57	3 35	5 57	1 25	13 22	1 7	3 43	1 5	14 39	2 27	5 23	0 49	11 40	1 50	4 44	13 47	19 34	19 52	3 8	6 12	1 29
F 7	5 27	9 26	2 17	0 44	3 38	5 28	1 25	13 6	1 7	3 37	1 5	14 39	2 27	5 24	0 49	11 39	1 50	4 45	13 46	19 32	19 51	3 11	6 13	1 29
S 8	5 4	14 13	1 19	0 27	3 39	4 58	1 24	12 50	1 7	3 31	1 5	14 38	2 28	5 25	0 49	11 39	1 50	4 45	13 46	19 32	19 51	3 15	6 15	1 28
S 9	4 41	18 31	0 16	0 6	3 38	4 28	1 24	12 33	1 7	3 25	1 5	14 38	2 28	5 26	0 49	11 39	1 50	4 46	13 46	19 31	19 50	3 18	6 16	1 28
M10	4 17	22 7	0n47	0s17	3 35	3 57	1 23	12 16	1 7	3 20	1 5	14 37	2 28	5 27	0 49	11 38	1 51	4 46	13 45	19 31	19 49	3 21	6 17	1 28
T 11	3 54	24 48	1 50	0 44	3 30	3 27	1 22	12 0	1 7	3 14	1 5	14 36	2 28	5 28	0 49	11 38	1 51	4 47	13 45	19 31	19 48	3 24	6 18	1 28
W12	3 30	26 19	2 50	1 12	3 23	2 57	1 22	11 43	1 7	3 8	1 5	14 36	2 28	5 29	0 49	11 38	1 51	4 47	13 45	19 31	19 48	3 27	6 20	1 28
T 13	3 7	26 28	3 42	1 42	3 14	2 26	1 21	11 26	1 7	3 2	1 5	14 35	2 29	5 30	0 49	11 37	1 51	4 47	13 45	19 31	19 47	3 30	6 21	1 28
F 14	2 43	25 5	4 25	2 13	3 4	1 56	1 20	11 8	1 7	2 56	1 5	14 35	2 29	5 31	0 49	11 37	1 51	4 48	13 44	19 30	19 46	3 34	6 22	1 28
S 15	2 19	22 9	4 53	2 44	2 53	1 25	1 19	10 51	1 7	2 51	1 5	14 34	2 29	5 32	0 49	11 36	1 51	4 48	13 44	19 28	19 46	3 37	6 24	1 28
S 16	1 56	17 47	5 4	3 15	2 40	0 55	1 18	10 34	1 7	2 45	1 5	14 33	2 29	5 33	0 49	11 36	1 51	4 49	13 44	19 26	19 45	3 40	6 25	1 28
M17	1 32	12 13	4 55	3 45	2 26	0 24	1 17	10 16	1 7	2 39	1 5	14 32	2 29	5 34	0 49	11 35	1 51	4 49	13 44	19 24	19 44	3 43	6 26	1 28
T 18	1 8	5 50	4 26	4 13	2 12	0n 7	1 16	9 59	1 7	2 33	1 5	14 32	2 29	5 35	0 49	11 35	1 51	4 50	13 43	19 22	19 43	3 46	6 28	1 27
W19	0 45	0s57	3 37	4 40	1 57	0 37	1 15	9 41	1 7	2 28	1 5	14 31	2 30	5 36	0 49	11 35	1 51	4 50	13 43	19 20	19 43	3 49	6 29	1 27
T 20	0 21	7 39	2 34	5 5	1 42	1 8	1 14	9 24	1 7	2 22	1 5	14 30	2 30	5 37	0 49	11 34	1 51	4 51	13 43	19 19	19 42	3 53	6 30	1 27
F 21	0n 3	13 51	1 20	5 29	1 27	1 39	1 13	9 6	1 7	2 16	1 5	14 29	2 30	5 38	0 49	11 34	1 51	4 51	13 43	19 18	19 41	3 56	6 32	1 27
S 22	0 26	19 8	0 3	5 49	1 11	2 9	1 11	8 48	1 7	2 10	1 5	14 29	2 30	5 39	0 49	11 33	1 51	4 52	13 42	19 18	19 41	3 59	6 33	1 27
S 23	0 50	23 9	1s13	6 8	0 56	2 40	1 10	8 30	1 7	2 5	1 5	14 28	2 30	5 40	0 49	11 33	1 51	4 52	13 42	19 18	19 40	4 2	6 34	1 27
M24	1 14	25 41	2 22	6 24	0 41	3 10	1 8	8 12	1 7	1 59	1 5	14 27	2 30	5 41	0 49	11 32	1 51	4 52	13 42	19 18	19 39	4 5	6 36	1 27
T 25	1 37	26 40	3 21	6 38	0 26	3 41	1 7	7 54	1 7	1 53	1 5	14 26	2 31	5 42	0 49	11 32	1 51	4 53	13 42	19 18	19 38	4 8	6 37	1 27
W26	2 1	26 7	4 9	6 49	0 12	4 11	1 5	7 36	1 7	1 47	1 5	14 25	2 31	5 43	0 49	11 31	1 51	4 53	13 41	19 18	19 38	4 12	6 38	1 27
T 27	2 24	24 11	4 42	6 58	0s 2	4 42	1 4	7 18	1 7	1 42	1 5	14 24	2 31	5 44	0 49	11 31	1 51	4 54	13 41	19 17	19 37	4 15	6 40	1 27
F 28	2 48	21 8	5 2	7 4	0 16	5 12	1 2	7 0	1 7	1 36	1 5	14 23	2 31	5 45	0 49	11 30	1 51	4 54	13 41	19 16	19 36	4 18	6 41	1 27
S 29	3 11	17 12	5 7	7 8	0 29	5 42	1 1	6 41	1 6	1 30	1 5	14 22	2 31	5 46	0 49	11 30	1 51	4 55	13 41	19 14	19 36	4 21	6 42	1 27
S 30	3 34	12 36	4 58	7 9	0 41	6 12	0 59	6 23	1 6	1 24	1 5	14 21	2 31	5 47	0 48	11 29	1 51	4 55	13 40	19 12	19 35	4 24	6 44	1 26
M31	3n58	7s35	4s36	7s 8	0s53	6n42	0s57	6s 4	1s 6	1s19	1s 5	14s20	2n32	5n48	0n48	11s29	1n51	4n56	13s40	19n10	19n34	4n27	6n45	1n26

Julian Day Number = 2316829.5, Delta T = 57.04 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'32, Lahiri = 18°42'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

APRIL 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 36 10	10♈57'58	3♈29	14♓32	20♈34	18♓ 0	29♓27	16°R16	17°R12	5°R 1	21♉25	25°R19	27♉ 7	19♈ 0	13♈47	T 1
W 2	12 40 6	11°56'59	15°20	15°11	21°48	18°47	29°41	16♏13	17♍ 9	5♏ 0	21°26	25♉11	27° 4	19° 6	13°51	W 2
T 3	12 44 3	12°55'58	27° 8	15°53	23° 2	19°33	29°56	16°10	17° 7	4°58	21°27	25° 6	27° 1	19°13	13°55	T 3
F 4	12 47 59	13°54'55	8♉57	16°39	24°17	20°20	0♈10	16° 6	17° 5	4°57	21°28	25° 2	26°58	19°20	13°58	F 4
S 5	12 51 56	14°53'49	20°47	17°28	25°31	21° 7	0°24	16° 3	17° 3	4°55	21°30	25°D 1	26°54	19°26	14° 2	S 5
S 6	12 55 52	15°52'42	2♊42	18°21	26°45	21°54	0°39	15°59	17° 0	4°54	21°31	25° 1	26°51	19°33	14° 6	S 6
M 7	12 59 49	16°51'32	14°47	19°17	27°59	22°40	0°53	15°56	16°58	4°52	21°32	25° 2	26°48	19°40	14° 9	M 7
T 8	13 3 45	17°50'20	27° 4	20°15	29°13	23°27	1° 7	15°52	16°56	4°51	21°33	25° 4	26°45	19°46	14°13	T 8
W 9	13 7 42	18°49'06	9♋38	21°17	0♉27	24°14	1°21	15°48	16°54	4°49	21°34	25° 5	26°42	19°53	14°17	W 9
T 10	13 11 39	19°47'50	22°33	22°21	1°42	25° 0	1°36	15°45	16°52	4°48	21°35	25°R 6	26°39	20° 0	14°21	T 10
F 11	13 15 35	20°46'31	5♌54	23°28	2°56	25°47	1°50	15°41	16°50	4°46	21°36	25° 5	26°35	20° 6	14°24	F 11
S 12	13 19 32	21°45'11	19°43	24°37	4°10	26°33	2° 4	15°37	16°48	4°45	21°38	25° 2	26°32	20°13	14°28	S 12
S 13	13 23 28	22°43'47	3♍59	25°48	5°24	27°20	2°18	15°33	16°46	4°43	21°39	24°59	26°29	20°20	14°32	S 13
M14	13 27 25	23°42'22	18°41	27° 2	6°38	28° 6	2°32	15°29	16°44	4°41	21°40	24°54	26°26	20°26	14°35	M14
T 15	13 31 21	24°40'54	3♎43	28°18	7°52	28°53	2°46	15°25	16°42	4°40	21°41	24°50	26°23	20°33	14°39	T 15
W16	13 35 18	25°39'24	18°57	29°36	9° 5	29°39	3° 0	15°21	16°40	4°38	21°43	24°46	26°20	20°40	14°43	W16
T 17	13 39 14	26°37'53	4♏12	0♈56	10°19	0♈25	3°14	15°17	16°38	4°37	21°44	24°44	26°16	20°46	14°46	T 17
F 18	13 43 11	27°36'20	19°18	2°19	11°33	1°12	3°28	15°13	16°37	4°35	21°45	24°D42	26°13	20°53	14°50	F 18
S 19	13 47 8	28°34'44	4♐ 7	3°43	12°47	1°58	3°42	15° 8	16°35	4°33	21°46	24°43	26°10	21° 0	14°54	S 19
S 20	13 51 4	29°33'08	18°33	5° 9	14° 1	2°44	3°55	15° 4	16°33	4°32	21°48	24°44	26° 7	21° 6	14°57	S 20
M21	13 55 1	0♉31'29	2♑32	6°37	15°15	3°30	4° 9	15° 0	16°32	4°30	21°49	24°45	26° 4	21°13	15° 1	M21
T 22	13 58 57	1°29'50	16° 4	8° 7	16°28	4°17	4°23	14°56	16°30	4°28	21°50	24°46	26° 0	21°20	15° 4	T 22
W23	14 2 54	2°28'08	29°12	9°39	17°42	5° 3	4°37	14°51	16°28	4°27	21°51	24°R47	25°57	21°26	15° 8	W23
T 24	14 6 50	3°26'25	11♒57	11°13	18°56	5°49	4°50	14°47	16°27	4°25	21°53	24°47	25°54	21°33	15°12	T 24
F 25	14 10 47	4°24'40	24°24	12°49	20°10	6°35	5° 4	14°43	16°25	4°24	21°54	24°46	25°51	21°40	15°15	F 25
S 26	14 14 43	5°22'54	6♓36	14°26	21°23	7°21	5°17	14°38	16°24	4°22	21°55	24°44	25°48	21°46	15°19	S 26
S 27	14 18 40	6°21'07	18°37	16° 6	22°37	8° 7	5°31	14°34	16°22	4°20	21°57	24°41	25°45	21°53	15°22	S 27
M28	14 22 37	7°19'17	0♈32	17°47	23°51	8°53	5°44	14°29	16°21	4°19	21°58	24°38	25°41	22° 0	15°26	M28
T 29	14 26 33	8°17'26	12°22	19°30	25° 4	9°39	5°58	14°25	16°20	4°17	21°59	24°36	25°38	22° 6	15°29	T 29
W30	14 30 30	9♉15'34	24♈10	21♈15	26♉18	10♈25	6♈11	14♏20	16♍19	4♏15	22♉ 0	24♉33	25♉35	22♈13	15♈33	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n21	2s19	4s 2	7s 5	1s 4	7n12	0s55	5s46	1s 6	1s13	1s 5	14s19	2n32	5n49	0n48	11s28	1n51	4n56	13s40	19n 8	19n33	4n31	6n47	1n26
W 2	4 44	3n 0	3 18	7 0	1 15	7 41	0 53	5 28	1 6	1 7	1 5	14 18	2 32	5 50	0 48	11 28	1 51	4 57	13 40	19 6	19 33	4 34	6 48	1 26
T 3	5 7	8 13	2 25	6 53	1 25	8 11	0 52	5 9	1 6	1 2	1 5	14 17	2 32	5 50	0 48	11 27	1 51	4 57	13 40	19 5	19 32	4 37	6 49	1 26
F 4	5 30	13 9	1 26	6 44	1 34	8 40	0 50	4 50	1 6	0 56	1 6	14 16	2 32	5 51	0 48	11 27	1 51	4 58	13 39	19 4	19 31	4 40	6 51	1 26
S 5	5 53	17 37	0 23	6 32	1 43	9 9	0 48	4 32	1 5	0 50	1 6	14 15	2 32	5 52	0 48	11 26	1 51	4 58	13 39	19 4	19 30	4 43	6 52	1 26
S 6	6 16	21 26	0n42	6 19	1 51	9 38	0 46	4 13	1 5	0 45	1 6	14 14	2 32	5 53	0 48	11 26	1 52	4 59	13 39	19 4	19 30	4 46	6 53	1 26
M 7	6 38	24 22	1 46	6 4	1 59	10 6	0 44	3 55	1 5	0 39	1 6	14 12	2 32	5 54	0 48	11 25	1 52	4 59	13 39	19 4	19 29	4 50	6 55	1 26
T 8	7 1	26 13	2 46	5 48	2 6	10 34	0 41	3 36	1 5	0 34	1 6	14 11	2 32	5 55	0 48	11 25	1 52	4 59	13 39	19 4	19 28	4 53	6 56	1 26
W 9	7 23	26 47	3 39	5 29	2 12	11 3	0 39	3 17	1 5	0 28	1 6	14 10	2 33	5 55	0 48	11 24	1 52	5 0	13 38	19 5	19 27	4 56	6 58	1 26
T 10	7 45	25 56	4 24	5 9	2 18	11 30	0 37	2 59	1 5	0 22	1 6	14 9	2 33	5 56	0 48	11 24	1 52	5 0	13 38	19 5	19 27	4 59	6 59	1 26
F 11	8 8	23 36	4 55	4 47	2 23	11 58	0 35	2 40	1 4	0 17	1 6	14 8	2 33	5 57	0 48	11 23	1 52	5 1	13 38	19 4	19 26	5 2	7 0	1 26
S 12	8 30	19 51	5 11	4 24	2 28	12 25	0 33	2 21	1 4	0 11	1 6	14 7	2 33	5 58	0 48	11 23	1 52	5 1	13 38	19 4	19 25	5 5	7 2	1 26
S 13	8 52	14 51	5 9	3 59	2 32	12 52	0 30	2 3	1 4	0 6	1 6	14 5	2 33	5 58	0 48	11 22	1 52	5 2	13 38	19 3	19 25	5 9	7 3	1 25
M14	9 13	8 52	4 46	3 33	2 35	13 19	0 28	1 44	1 4	0 0	1 6	14 4	2 33	5 59	0 48	11 21	1 52	5 2	13 38	19 2	19 24	5 12	7 4	1 25
T 15	9 35	2 15	4 4	3 5	2 38	13 45	0 26	1 25	1 3	0n 5	1 6	14 3	2 33	6 0	0 48	11 21	1 52	5 3	13 37	19 1	19 23	5 15	7 6	1 25
W16	9 56	4s36	3 4	2 36	2 40	14 11	0 23	1 6	1 3	0 11	1 6	14 2	2 33	6 1	0 48	11 20	1 52	5 3	13 37	19 0	19 22	5 18	7 7	1 25
T 17	10 17	11 13	1 50	2 6	2 42	14 37	0 21	0 48	1 3	0 16	1 6	14 1	2 33	6 1	0 48	11 20	1 52	5 4	13 37	18 59	19 22	5 21	7 9	1 25
F 18	10 39	17 7	0 30	1 34	2 43	15 2	0 19	0 29	1 3	0 22	1 7	13 59	2 33	6 2	0 48	11 19	1 52	5 4	13 37	18 59	19 21	5 24	7 10	1 25
S 19	10 59	21 51	0s52	1 1	2 43	15 27	0 16	0 10	1 2	0 27	1 7	13 58	2 33	6 3	0 48	11 19	1 52	5 4	13 37	18 59	19 20	5 27	7 11	1 25
S 20	11 20	25 7	2 7	0 27	2 43	15 51	0 14	0n 8	1 2	0 33	1 7	13 57	2 33	6 3	0 48	11 18	1 52	5 5	13 37	18 59	19 19	5 31	7 13	1 25
M21	11 41	26 41	3 13	0n 8	2 43	16 16	0 11	0 27	1 2	0 38	1 7	13 55	2 33	6 4	0 48	11 18	1 52	5 5	13 37	19 0	19 19	5 34	7 14	1 25
T 22	12 1	26 36	4 6	0 45	2 42	16 39	0 9	0 46	1 2	0 43	1 7	13 54	2 33	6 4	0 48	11 17	1 52	5 6	13 36	19 0	19 18	5 37	7 15	1 25
W23	12 21	25 0	4 44	1 23	2 40	17 3	0 6	1 4	1 1	0 49	1 7	13 53	2 33	6 5	0 48	11 17	1 52	5 6	13 36	19 0	19 17	5 40	7 17	1 25
T 24	12 41	22 9	5 7	2 2	2 38	17 25	0 4	1 23	1 1	0 54	1 7	13 52	2 33	6 6	0 48	11 16	1 52	5 7	13 36	19 0	19 16	5 43	7 18	1 25
F 25	13 1	18 22	5 15	2 41	2 35	17 48	0 1	1 41	1 1	0 59	1 7	13 50	2 34	6 6	0 48	11 15	1 52	5 7	13 36	19 0	19 16	5 46	7 19	1 25
S 26	13 21	13 53	5 8	3 22	2 32	18 10	0n 1	2 0	1 0	1 5	1 7	13 49	2 34	6 7	0 48	11 15	1 52	5 7	13 36	18 59	19 15	5 50	7 21	1 25
S 27	13 40	8 55	4 48	4 4	2 28	18 31	0 4	2 18	1 0	1 10	1 7	13 48	2 34	6 7	0 48	11 14	1 52	5 8	13 36	18 59	19 14	5 53	7 22	1 25
M28	13 59	3 42	4 16	4 47	2 24	18 52	0 6	2 37	1 0	1 15	1 7	13 46	2 34	6 8	0 48	11 14	1 52	5 8	13 36	18 58	19 13	5 56	7 23	1 25
T 29	14 18	1n38	3 32	5 30	2 19	19 13	0 9	2 55	0 59	1 20	1 8	13 45	2 34	6 8	0 48	11 13	1 52	5 9	13 36	18 57	19 13	5 59	7 25	1 25
W30	14n37	6n54	2s40	6n15	2s14	19n33	0n11	3n14	0s59	1n26	1s 8	13s44	2n34	6n 9	0n48	11s13	1n52	5n 9	13s36	18n57	19n12	6n 2	7n26	1n25

Julian Day Number = 2316860.5, Delta T = 56.97 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'37, Lahiri = 18°42'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

MAY 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 34 26	10♉13'40	5♉59	23♈ 2	27♉31	11♈11	6♈24	14°R16	16°R17	4°R14	22♉ 2	24°R32	25♉32	22♈20	15♈36	T 1
F 2	14 38 23	11°11'44	17°51	24°51	28°45	11°56	6°37	14♏11	16♍16	4♏12	22° 3	24♉31	25°29	22°26	15°40	F 2
S 3	14 42 19	12° 9'47	29°48	26°41	29°58	12°42	6°51	14° 7	16°15	4°10	22° 4	24°D31	25°26	22°33	15°43	S 3
S 4	14 46 16	13° 7'48	11♊52	28°34	1♊12	13°28	7° 4	14° 2	16°14	4° 9	22° 6	24°32	25°22	22°40	15°46	S 4
M 5	14 50 12	14° 5'47	24° 6	0♉28	2°25	14°14	7°17	13°58	16°13	4° 7	22° 7	24°33	25°19	22°46	15°50	M 5
T 6	14 54 9	15° 3'45	6♋32	2°24	3°39	14°59	7°30	13°53	16°12	4° 6	22° 9	24°33	25°16	22°53	15°53	T 6
W 7	14 58 6	16° 1'41	19°13	4°22	4°52	15°45	7°43	13°49	16°11	4° 4	22°10	24°34	25°13	23° 0	15°56	W 7
T 8	15 2 2	16°59'35	2♌12	6°22	6° 6	16°30	7°56	13°44	16°10	4° 2	22°11	24°35	25°10	23° 6	16° 0	T 8
F 9	15 5 59	17°57'27	15°31	8°23	7°19	17°16	8° 8	13°40	16° 9	4° 1	22°13	24°R35	25° 6	23°13	16° 3	F 9
S 10	15 9 55	18°55'17	29°12	10°26	8°32	18° 1	8°21	13°35	16° 9	3°59	22°14	24°35	25° 3	23°20	16° 6	S 10
S 11	15 13 52	19°53'06	13♍17	12°31	9°45	18°47	8°34	13°31	16° 8	3°58	22°15	24°35	25° 0	23°26	16°10	S 11
M12	15 17 48	20°50'52	27°43	14°37	10°59	19°32	8°46	13°26	16° 7	3°56	22°17	24°34	24°57	23°33	16°13	M12
T 13	15 21 45	21°48'37	12♎27	16°45	12°12	20°17	8°59	13°22	16° 7	3°55	22°18	24°34	24°54	23°40	16°16	T 13
W14	15 25 41	22°46'21	27°25	18°54	13°25	21° 2	9°11	13°18	16° 6	3°53	22°19	24°34	24°51	23°46	16°19	W14
T 15	15 29 38	23°44'03	12♏28	21° 3	14°38	21°48	9°23	13°13	16° 5	3°52	22°21	24°34	24°47	23°53	16°22	T 15
F 16	15 33 35	24°41'43	27°28	23°14	15°51	22°33	9°36	13° 9	16° 5	3°50	22°22	24°34	24°44	24° 0	16°25	F 16
S 17	15 37 31	25°39'23	12♐16	25°25	17° 5	23°18	9°48	13° 4	16° 5	3°49	22°23	24°34	24°41	24° 6	16°28	S 17
S 18	15 41 28	26°37'01	26°46	27°37	18°18	24° 3	10° 0	13° 0	16° 4	3°47	22°25	24°34	24°38	24°13	16°31	S 18
M19	15 45 24	27°34'38	10♑53	29°49	19°31	24°48	10°12	12°56	16° 4	3°46	22°26	24°33	24°35	24°20	16°34	M19
T 20	15 49 21	28°32'14	24°33	2♒ 0	20°44	25°33	10°24	12°52	16° 4	3°44	22°27	24°33	24°32	24°26	16°37	T 20
W21	15 53 17	29°29'49	7♓47	4°11	21°57	26°18	10°36	12°47	16° 4	3°43	22°29	24°32	24°28	24°33	16°40	W21
T 22	15 57 14	0♒27'23	20°37	6°21	23°10	27° 2	10°48	12°43	16° 3	3°41	22°30	24°32	24°25	24°40	16°43	T 22
F 23	16 1 10	1°24'56	3♈ 7	8°31	24°23	27°47	10°59	12°39	16° 3	3°40	22°32	24°D32	24°22	24°46	16°46	F 23
S 24	16 5 7	2°22'29	15°19	10°39	25°35	28°32	11°11	12°35	16°D 3	3°39	22°33	24°32	24°19	24°53	16°49	S 24
S 25	16 9 4	3°20'00	27°19	12°45	26°48	29°17	11°23	12°31	16° 3	3°37	22°34	24°33	24°16	25° 0	16°52	S 25
M26	16 13 0	4°17'30	9♈11	14°50	28° 1	0♉ 1	11°34	12°27	16° 3	3°36	22°36	24°34	24°12	25° 6	16°55	M26
T 27	16 16 57	5°15'00	20°59	16°53	29°14	0°46	11°45	12°23	16° 3	3°34	22°37	24°35	24° 9	25°13	16°57	T 27
W28	16 20 53	6°12'29	2♉48	18°54	0♋27	1°30	11°57	12°19	16° 4	3°33	22°38	24°36	24° 6	25°20	17° 0	W28
T 29	16 24 50	7° 9'57	14°40	20°53	1°40	2°15	12° 8	12°15	16° 4	3°32	22°40	24°36	24° 3	25°26	17° 3	T 29
F 30	16 28 46	8° 7'24	26°38	22°49	2°52	2°59	12°19	12°11	16° 4	3°31	22°41	24°R37	24° 0	25°33	17° 5	F 30
S 31	16 32 43	9♊ 4'50	8♊46	24♊43	4♋ 5	3♉44	12♈30	12♏ 7	16♍ 4	3♏29	22♉42	24♉36	23♉57	25♈40	17♈ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n55	11n57	1s41	7n 0	2s 8	19n52	0n14	3n32	0s59	1n31	1s 8	13s42	2n34	6n 9	0n48	11s12	1n52	5n 9	13s35	18n57	19n11	6n 5	7n27	1n25
F 2	15 13	16 36	0 37	7 46	2 1	20 11	0 16	3 50	0 58	1 36	1 8	13 41	2 34	6 9	0 48	11 12	1 52	5 10	13 35	18 56	19 10	6 9	7 29	1 25
S 3	15 31	20 38	0n29	8 32	1 54	20 30	0 19	4 8	0 58	1 41	1 8	13 40	2 34	6 10	0 47	11 11	1 52	5 10	13 35	18 56	19 9	6 12	7 30	1 24
S 4	15 49	23 49	1 35	9 19	1 47	20 48	0 22	4 26	0 58	1 46	1 8	13 39	2 33	6 10	0 47	11 11	1 52	5 11	13 35	18 56	19 9	6 15	7 31	1 24
M 5	16 6	25 58	2 37	10 7	1 39	21 5	0 24	4 44	0 57	1 51	1 8	13 37	2 33	6 11	0 47	11 10	1 52	5 11	13 35	18 57	19 8	6 18	7 32	1 24
T 6	16 23	26 52	3 33	10 54	1 31	21 22	0 27	5 2	0 57	1 56	1 8	13 36	2 33	6 11	0 47	11 9	1 52	5 11	13 35	18 57	19 7	6 21	7 34	1 24
W 7	16 40	26 23	4 19	11 43	1 22	21 38	0 29	5 20	0 57	2 1	1 8	13 35	2 33	6 11	0 47	11 9	1 52	5 12	13 35	18 57	19 6	6 24	7 35	1 24
T 8	16 57	24 28	4 54	12 31	1 13	21 53	0 32	5 38	0 56	2 6	1 9	13 33	2 33	6 12	0 47	11 8	1 52	5 12	13 35	18 57	19 6	6 27	7 36	1 24
F 9	17 13	21 12	5 13	13 19	1 4	22 8	0 34	5 56	0 56	2 11	1 9	13 32	2 33	6 12	0 47	11 8	1 52	5 13	13 35	18 57	19 5	6 31	7 37	1 24
S 10	17 29	16 42	5 16	14 7	0 54	22 23	0 37	6 14	0 55	2 16	1 9	13 31	2 33	6 12	0 47	11 7	1 52	5 13	13 35	18 57	19 4	6 34	7 39	1 24
S 11	17 45	11 13	5 1	14 55	0 44	22 36	0 39	6 31	0 55	2 21	1 9	13 30	2 33	6 12	0 47	11 7	1 52	5 13	13 35	18 57	19 3	6 37	7 40	1 24
M12	18 0	4 59	4 26	15 43	0 34	22 49	0 42	6 49	0 55	2 26	1 9	13 28	2 33	6 13	0 47	11 6	1 52	5 14	13 35	18 57	19 3	6 40	7 41	1 24
T 13	18 15	1s40	3 33	16 30	0 24	23 2	0 44	7 6	0 54	2 30	1 9	13 27	2 33	6 13	0 47	11 6	1 52	5 14	13 35	18 57	19 2	6 43	7 42	1 24
W14	18 30	8 19	2 25	17 16	0 13	23 13	0 46	7 24	0 54	2 35	1 9	13 26	2 33	6 13	0 47	11 5	1 52	5 14	13 35	18 57	19 1	6 46	7 43	1 24
T 15	18 45	14 33	1 7	18 1	0 3	23 25	0 49	7 41	0 53	2 40	1 10	13 25	2 33	6 13	0 47	11 5	1 52	5 15	13 35	18 57	19 0	6 50	7 45	1 24
F 16	18 59	19 54	0s16	18 45	0n 8	23 35	0 51	7 58	0 53	2 45	1 10	13 23	2 33	6 13	0 47	11 4	1 52	5 15	13 35	18 57	19 0	6 53	7 46	1 24
S 17	19 13	23 55	1 37	19 27	0 18	23 45	0 53	8 16	0 52	2 49	1 10	13 22	2 33	6 13	0 47	11 4	1 52	5 15	13 35	18 57	18 59	6 56	7 47	1 24
S 18	19 26	26 16	2 50	20 8	0 29	23 54	0 56	8 33	0 52	2 54	1 10	13 21	2 33	6 14	0 47	11 3	1 52	5 16	13 35	18 57	18 58	6 59	7 48	1 24
M19	19 40	26 52	3 50	20 47	0 39	24 2	0 58	8 50	0 51	2 58	1 10	13 20	2 32	6 14	0 47	11 3	1 51	5 16	13 35	18 57	18 57	7 2	7 49	1 24
T 20	19 52	25 46	4 35	21 24	0 49	24 10	1 0	9 6	0 51	3 3	1 10	13 19	2 32	6 14	0 47	11 2	1 51	5 16	13 35	18 57	18 56	7 5	7 50	1 24
W21	20 5	23 15	5 4	21 59	0 58	24 17	1 2	9 23	0 50	3 7	1 10	13 17	2 32	6 14	0 47	11 2	1 51	5 17	13 35	18 57	18 56	7 8	7 51	1 24
T 22	20 17	19 39	5 17	22 31	1 7	24 23	1 5	9 40	0 50	3 12	1 11	13 16	2 32	6 14	0 47	11 2	1 51	5 17	13 35	18 57	18 55	7 12	7 53	1 24
F 23	20 29	15 15	5 14	23 1	1 16	24 29	1 7	9 56	0 49	3 16	1 11	13 15	2 32	6 14	0 47	11 1	1 51	5 17	13 35	18 57	18 54	7 15	7 54	1 24
S 24	20 41	10 21	4 57	23 28	1 24	24 34	1 9	10 13	0 49	3 21	1 11	13 14	2 32	6 14	0 47	11 1	1 51	5 18	13 35	18 57	18 53	7 18	7 55	1 24
S 25	20 52	5 9	4 27	23 53	1 31	24 38	1 11	10 29	0 48	3 25	1 11	13 13	2 32	6 14	0 47	11 0	1 51	5 18	13 35	18 57	18 53	7 21	7 56	1 24
M26	21 3	0n11	3 46	24 15	1 38	24 41	1 13	10 45	0 48	3 29	1 11	13 12	2 32	6 14	0 47	11 0	1 51	5 18	13 35	18 57	18 52	7 24	7 57	1 24
T 27	21 13	5 29	2 56	24 34	1 44	24 44	1 15	11 1	0 47	3 34	1 11	13 11	2 31	6 14	0 47	10 59	1 51	5 19	13 35	18 57	18 51	7 27	7 58	1 24
W28	21 23	10 37	1 58	24 51	1 50	24 46	1 17	11 17	0 47	3 38	1 12	13 10	2 31	6 13	0 46	10 59	1 51	5 19	13 35	18 57	18 50	7 30	7 59	1 24
T 29	21 33	15 24	0 55	25 4	1 54	24 47	1 19	11 33	0 46	3 42	1 12	13 9	2 31	6 13	0 46	10 59	1 51	5 19	13 35	18 58	18 49	7 34	8 0	1 24
F 30	21 42	19 38	0n11	25 16	1 58	24 48	1 21	11 49	0 46	3 46	1 12	13 8	2 31	6 13	0 46	10 58	1 51	5 19	13 35	18 58	18 49	7 37	8 1	1 24
S 31	21n51	23n 5	1n18	25n24	2n 1	24n48	1n22	12n 4	0s45	3n51	1s12	13s 7	2n31	6n13	0n46	10s58	1n51	5n20	13s35	18n58	18n48	7n40	8n 2	1n24

Julian Day Number = 2316890.5, Delta T = 56.90 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'41, Lahiri = 18°42'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

JUNE 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 36 39	10♊ 2'16	21♊ 3	26♊35	5♋18	4♉28	12♈41	12°R 4	16♍ 5	3°R28	22♉43	24°R35	23♉53	25♈46	17♈10	S 1
M 2	16 40 36	10°59'40	3♋33	28°24	6°30	5°12	12°52	12♏ 0	16° 5	3♏27	22°45	24♉33	23°50	25°53	17°13	M 2
T 3	16 44 33	11°57'04	16°16	0♋11	7°43	5°56	13° 2	11°56	16° 6	3°26	22°46	24°31	23°47	26° 0	17°15	T 3
W 4	16 48 29	12°54'26	29°12	1°55	8°56	6°40	13°13	11°53	16° 6	3°24	22°47	24°28	23°44	26° 6	17°18	W 4
T 5	16 52 26	13°51'48	12♌24	3°36	10° 8	7°24	13°23	11°49	16° 7	3°23	22°49	24°26	23°41	26°13	17°20	T 5
F 6	16 56 22	14°49'09	25°50	5°15	11°21	8° 8	13°34	11°46	16° 8	3°22	22°50	24°24	23°38	26°20	17°23	F 6
S 7	17 0 19	15°46'28	9♍32	6°51	12°33	8°52	13°44	11°43	16° 8	3°21	22°51	24°D23	23°34	26°26	17°25	S 7
S 8	17 4 15	16°43'46	23°30	8°25	13°46	9°36	13°54	11°39	16° 9	3°20	22°52	24°23	23°31	26°33	17°27	S 8
M 9	17 8 12	17°41'04	7♎42	9°56	14°58	10°20	14° 4	11°36	16°10	3°19	22°54	24°24	23°28	26°40	17°29	M 9
T 10	17 12 8	18°38'20	22° 7	11°24	16°11	11° 4	14°14	11°33	16°11	3°18	22°55	24°25	23°25	26°46	17°32	T 10
W11	17 16 5	19°35'36	6♏42	12°49	17°23	11°47	14°24	11°30	16°12	3°17	22°56	24°26	23°22	26°53	17°34	W11
T 12	17 20 2	20°32'51	21°22	14°12	18°35	12°31	14°33	11°27	16°13	3°16	22°57	24°R27	23°18	27° 0	17°36	T 12
F 13	17 23 58	21°30'05	6♐ 2	15°32	19°47	13°15	14°43	11°24	16°14	3°15	22°59	24°27	23°15	27° 6	17°38	F 13
S 14	17 27 55	22°27'19	20°36	16°49	21° 0	13°58	14°52	11°21	16°15	3°14	23° 0	24°25	23°12	27°13	17°40	S 14
S 15	17 31 51	23°24'32	4♑56	18° 3	22°12	14°41	15° 2	11°18	16°16	3°13	23° 1	24°22	23° 9	27°20	17°42	S 15
M16	17 35 48	24°21'45	18°58	19°14	23°24	15°25	15°11	11°16	16°17	3°12	23° 2	24°18	23° 6	27°26	17°44	M16
T 17	17 39 44	25°18'58	2♒38	20°23	24°36	16° 8	15°20	11°13	16°18	3°11	23° 3	24°13	23° 3	27°33	17°46	T 17
W18	17 43 41	26°16'10	15°55	21°28	25°48	16°51	15°29	11°11	16°19	3°10	23° 5	24° 9	22°59	27°40	17°48	W18
T 19	17 47 38	27°13'22	28°47	22°30	27° 0	17°35	15°38	11° 8	16°21	3°10	23° 6	24° 5	22°56	27°46	17°49	T 19
F 20	17 51 34	28°10'34	11♓19	23°29	28°12	18°18	15°46	11° 6	16°22	3° 9	23° 7	24° 2	22°53	27°53	17°51	F 20
S 21	17 55 31	29° 7'46	23°33	24°24	29°24	19° 1	15°55	11° 3	16°24	3° 8	23° 8	24° 1	22°50	28° 0	17°53	S 21
S 22	17 59 27	0♋ 4'58	5♈34	25°16	0♌36	19°44	16° 3	11° 1	16°25	3° 7	23° 9	24°D 1	22°47	28° 6	17°54	S 22
M23	18 3 24	1° 2'10	17°26	26° 5	1°48	20°27	16°12	10°59	16°26	3° 7	23°10	24° 2	22°44	28°13	17°56	M23
T 24	18 7 20	1°59'22	29°15	26°49	3° 0	21°10	16°20	10°57	16°28	3° 6	23°11	24° 3	22°40	28°20	17°58	T 24
W25	18 11 17	2°56'34	11♉ 5	27°30	4°12	21°52	16°28	10°55	16°30	3° 5	23°12	24° 5	22°37	28°26	17°59	W25
T 26	18 15 13	3°53'46	23° 1	28° 8	5°23	22°35	16°36	10°53	16°31	3° 5	23°14	24°R 6	22°34	28°33	18° 0	T 26
F 27	18 19 10	4°50'59	5♊ 7	28°41	6°35	23°18	16°43	10°52	16°33	3° 4	23°15	24° 5	22°31	28°40	18° 2	F 27
S 28	18 23 7	5°48'11	17°25	29°10	7°47	24° 0	16°51	10°50	16°35	3° 4	23°16	24° 3	22°28	28°46	18° 3	S 28
S 29	18 27 3	6°45'24	29°58	29°35	8°58	24°43	16°58	10°48	16°37	3° 3	23°17	23°58	22°24	28°53	18° 4	S 29
M30	18 31 0	7♋42'37	12♋47	29♋55	10♌10	25♉25	17♈ 6	10♏47	16♍38	3♏ 3	23♉18	23♉52	22♉21	29♈ 0	18♈ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 0	25n32	2n21	25n30	2n 4	24n47	1n24	12n20	0s45	3n55	1s12	13s 6	2n31	6n13	0n46	10s57	1n51	5n20	13s35	18n57	18n47	7n43	8n 3	1n24
M 2	22 8	26 45	3 19	25 34	2 5	24 45	1 26	12 35	0 44	3 59	1 12	13 5	2 31	6 13	0 46	10 57	1 51	5 20	13 35	18 57	18 46	7 46	8 4	1 24
T 3	22 16	26 36	4 8	25 36	2 6	24 43	1 27	12 50	0 44	4 3	1 13	13 4	2 30	6 12	0 46	10 57	1 51	5 20	13 35	18 56	18 45	7 49	8 5	1 24
W 4	22 24	25 0	4 45	25 35	2 6	24 40	1 29	13 6	0 43	4 7	1 13	13 3	2 30	6 12	0 46	10 56	1 51	5 21	13 35	18 56	18 45	7 52	8 6	1 24
T 5	22 31	22 3	5 8	25 32	2 6	24 36	1 31	13 20	0 43	4 10	1 13	13 2	2 30	6 12	0 46	10 56	1 51	5 21	13 35	18 55	18 44	7 56	8 7	1 24
F 6	22 37	17 52	5 15	25 27	2 4	24 32	1 32	13 35	0 42	4 14	1 13	13 1	2 30	6 12	0 46	10 56	1 51	5 21	13 35	18 55	18 43	7 59	8 8	1 24
S 7	22 44	12 42	5 4	25 21	2 2	24 27	1 33	13 50	0 41	4 18	1 13	13 0	2 30	6 11	0 46	10 55	1 51	5 21	13 35	18 54	18 42	8 2	8 8	1 24
S 8	22 50	6 48	4 36	25 12	1 59	24 21	1 35	14 4	0 41	4 22	1 14	12 59	2 29	6 11	0 46	10 55	1 51	5 22	13 35	18 54	18 41	8 5	8 9	1 24
M 9	22 55	0 27	3 50	25 3	1 56	24 14	1 36	14 19	0 40	4 26	1 14	12 59	2 29	6 11	0 46	10 55	1 51	5 22	13 35	18 55	18 41	8 8	8 10	1 24
T 10	23 0	6s 1	2 49	24 51	1 52	24 7	1 37	14 33	0 40	4 29	1 14	12 58	2 29	6 10	0 46	10 54	1 51	5 22	13 36	18 55	18 40	8 11	8 11	1 24
W11	23 5	12 16	1 36	24 38	1 47	23 59	1 38	14 47	0 39	4 33	1 14	12 57	2 29	6 10	0 46	10 54	1 51	5 22	13 36	18 55	18 39	8 14	8 12	1 24
T 12	23 9	17 52	0 17	24 24	1 41	23 50	1 39	15 1	0 38	4 36	1 14	12 56	2 29	6 9	0 46	10 54	1 51	5 22	13 36	18 55	18 38	8 17	8 13	1 24
F 13	23 13	22 24	1s 3	24 9	1 35	23 41	1 40	15 15	0 38	4 40	1 15	12 56	2 28	6 9	0 46	10 53	1 51	5 23	13 36	18 55	18 37	8 21	8 13	1 24
S 14	23 16	25 28	2 19	23 53	1 28	23 31	1 41	15 28	0 37	4 43	1 15	12 55	2 28	6 8	0 46	10 53	1 51	5 23	13 36	18 55	18 37	8 24	8 14	1 24
S 15	23 19	26 48	3 24	23 35	1 20	23 20	1 42	15 42	0 37	4 47	1 15	12 54	2 28	6 8	0 46	10 53	1 50	5 23	13 36	18 54	18 36	8 27	8 15	1 24
M16	23 22	26 21	4 15	23 17	1 12	23 9	1 43	15 55	0 36	4 50	1 15	12 54	2 28	6 7	0 46	10 53	1 50	5 23	13 36	18 53	18 35	8 30	8 16	1 24
T 17	23 24	24 19	4 51	22 59	1 3	22 57	1 44	16 8	0 35	4 53	1 15	12 53	2 28	6 7	0 46	10 52	1 50	5 23	13 36	18 52	18 34	8 33	8 16	1 24
W18	23 26	21 1	5 9	22 39	0 53	22 44	1 44	16 21	0 35	4 57	1 16	12 53	2 27	6 6	0 46	10 52	1 50	5 23	13 36	18 51	18 33	8 36	8 17	1 24
T 19	23 28	16 47	5 11	22 19	0 43	22 31	1 45	16 34	0 34	5 0	1 16	12 52	2 27	6 6	0 46	10 52	1 50	5 24	13 37	18 50	18 33	8 39	8 18	1 24
F 20	23 29	11 56	4 58	21 59	0 33	22 17	1 45	16 47	0 33	5 3	1 16	12 52	2 27	6 5	0 45	10 52	1 50	5 24	13 37	18 49	18 32	8 42	8 18	1 24
S 21	23 29	6 44	4 32	21 38	0 21	22 3	1 46	16 59	0 33	5 6	1 16	12 51	2 27	6 5	0 45	10 51	1 50	5 24	13 37	18 49	18 31	8 46	8 19	1 24
S 22	23 29	1 22	3 54	21 17	0 10	21 47	1 46	17 11	0 32	5 9	1 16	12 51	2 27	6 4	0 45	10 51	1 50	5 24	13 37	18 49	18 30	8 49	8 20	1 24
M23	23 29	3n59	3 7	20 56	0s 3	21 32	1 46	17 23	0 31	5 12	1 17	12 50	2 26	6 3	0 45	10 51	1 50	5 24	13 37	18 49	18 29	8 52	8 20	1 24
T 24	23 28	9 11	2 11	20 35	0 15	21 15	1 47	17 35	0 31	5 15	1 17	12 50	2 26	6 3	0 45	10 51	1 50	5 24	13 37	18 50	18 29	8 55	8 21	1 24
W25	23 27	14 4	1 10	20 14	0 29	20 59	1 47	17 47	0 30	5 18	1 17	12 49	2 26	6 2	0 45	10 51	1 50	5 24	13 37	18 50	18 28	8 58	8 21	1 24
T 26	23 26	18 28	0 6	19 53	0 42	20 41	1 47	17 59	0 29	5 21	1 17	12 49	2 26	6 1	0 45	10 51	1 50	5 24	13 37	18 50	18 27	9 1	8 22	1 24
F 27	23 24	22 10	1n 0	19 33	0 56	20 23	1 47	18 10	0 29	5 23	1 18	12 49	2 25	6 1	0 45	10 50	1 50	5 25	13 38	18 50	18 26	9 4	8 23	1 24
S 28	23 22	24 56	2 3	19 13	1 10	20 5	1 47	18 22	0 28	5 26	1 18	12 48	2 25	6 0	0 45	10 50	1 50	5 25	13 38	18 49	18 25	9 7	8 23	1 24
S 29	23 19	26 31	3 2	18 54	1 25	19 46	1 46	18 33	0 27	5 29	1 18	12 48	2 25	5 59	0 45	10 50	1 50	5 25	13 38	18 48	18 25	9 10	8 24	1 24
M30	23n16	26n44	3n53	18n35	1s40	19n26	1n46	18n44	0s27	5n31	1s18	12s48	2n25	5n59	0n45	10s50	1n50	5n25	13s38	18n47	18n24	9n14	8n24	1n24

Julian Day Number = 2316921.5, Delta T = 56.84 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'45, Lahiri = 18°42'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

JULY 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 34 56	8♋39'49	25♋52	0♌11	11♌21	26♉ 8	17♈13	10°R45	16♍40	3°R 2	23♉19	23°R45	22♉18	29♈ 6	18♈ 7	T 1
W 2	18 38 53	9°37'02	9♌11	0°23	12°33	26°50	17°20	10♏44	16°42	3♏ 2	23°20	23♉37	22°15	29°13	18° 8	W 2
T 3	18 42 49	10°34'14	22°43	0°29	13°44	27°32	17°27	10°43	16°44	3° 1	23°21	23°30	22°12	29°20	18° 9	T 3
F 4	18 46 46	11°31'27	6♍26	0°R31	14°56	28°15	17°33	10°42	16°46	3° 1	23°22	23°24	22° 9	29°26	18°10	F 4
S 5	18 50 42	12°28'39	20°19	0°29	16° 7	28°57	17°40	10°41	16°48	3° 1	23°23	23°20	22° 5	29°33	18°11	S 5
S 6	18 54 39	13°25'51	4♎19	0°21	17°18	29°39	17°46	10°40	16°51	3° 0	23°24	23°18	22° 2	29°40	18°12	S 6
M 7	18 58 36	14°23'03	18°26	0° 9	18°30	0♊21	17°53	10°39	16°53	3° 0	23°24	23°D18	21°59	29°46	18°13	M 7
T 8	19 2 32	15°20'15	2♏37	29♋53	19°41	1° 3	17°59	10°38	16°55	3° 0	23°25	23°19	21°56	29°53	18°14	T 8
W 9	19 6 29	16°17'28	16°52	29°31	20°52	1°44	18° 4	10°38	16°57	3° 0	23°26	23°R20	21°53	29°59	18°14	W 9
T 10	19 10 25	17°14'40	1♐ 9	29° 6	22° 3	2°26	18°10	10°37	16°59	2°59	23°27	23°20	21°50	0♉ 6	18°15	T 10
F 11	19 14 22	18°11'52	15°23	28°37	23°14	3° 8	18°16	10°37	17° 2	2°59	23°28	23°18	21°46	0°13	18°16	F 11
S 12	19 18 18	19° 9'05	29°33	28° 5	24°25	3°49	18°21	10°36	17° 4	2°59	23°29	23°13	21°43	0°19	18°16	S 12
S 13	19 22 15	20° 6'18	13♑33	27°29	25°36	4°31	18°26	10°36	17° 7	2°59	23°30	23° 7	21°40	0°26	18°17	S 13
M14	19 26 11	21° 3'31	27°19	26°51	26°47	5°12	18°31	10°36	17° 9	2°59	23°31	22°58	21°37	0°33	18°17	M14
T 15	19 30 8	22° 0'45	10♒48	26°11	27°57	5°54	18°36	10°D36	17°12	2°D59	23°31	22°49	21°34	0°39	18°18	T 15
W16	19 34 5	22°58'00	23°58	25°30	29° 8	6°35	18°41	10°36	17°14	2°59	23°32	22°39	21°30	0°46	18°18	W16
T 17	19 38 1	23°55'15	6♓47	24°48	0♍19	7°16	18°46	10°36	17°17	2°59	23°33	22°30	21°27	0°53	18°19	T 17
F 18	19 41 58	24°52'31	19°17	24° 6	1°29	7°58	18°50	10°36	17°19	2°59	23°34	22°23	21°24	0°59	18°19	F 18
S 19	19 45 54	25°49'47	1♈31	23°26	2°40	8°39	18°54	10°37	17°22	2°59	23°34	22°18	21°21	1° 6	18°19	S 19
S 20	19 49 51	26°47'05	13°31	22°47	3°50	9°20	18°58	10°37	17°25	2°59	23°35	22°15	21°18	1°13	18°19	S 20
M21	19 53 47	27°44'23	25°23	22°10	5° 1	10° 1	19° 2	10°38	17°27	2°59	23°36	22°D14	21°15	1°19	18°19	M21
T 22	19 57 44	28°41'43	7♉12	21°36	6°11	10°42	19° 6	10°38	17°30	3° 0	23°36	22°14	21°11	1°26	18°19	T 22
W23	20 1 40	29°39'03	19° 3	21° 7	7°21	11°22	19° 9	10°39	17°33	3° 0	23°37	22°R14	21° 8	1°33	18°R19	W23
T 24	20 5 37	0♌36'25	1♊ 2	20°41	8°31	12° 3	19°12	10°40	17°36	3° 0	23°38	22°14	21° 5	1°39	18°19	T 24
F 25	20 9 34	1°33'48	13°13	20°20	9°41	12°44	19°16	10°41	17°39	3° 0	23°38	22°12	21° 2	1°46	18°19	F 25
S 26	20 13 30	2°31'11	25°40	20° 5	10°51	13°24	19°18	10°42	17°42	3° 1	23°39	22° 8	20°59	1°53	18°19	S 26
S 27	20 17 27	3°28'36	8♋26	19°55	12° 1	14° 5	19°21	10°43	17°44	3° 1	23°39	22° 1	20°56	1°59	18°19	S 27
M28	20 21 23	4°26'02	21°33	19°D51	13°11	14°45	19°24	10°44	17°47	3° 2	23°40	21°52	20°52	2° 6	18°19	M28
T 29	20 25 20	5°23'29	4♌59	19°54	14°21	15°26	19°26	10°46	17°50	3° 2	23°41	21°41	20°49	2°13	18°18	T 29
W30	20 29 16	6°20'56	18°43	20° 3	15°31	16° 6	19°28	10°47	17°53	3° 2	23°41	21°30	20°46	2°19	18°18	W30
T 31	20 33 13	7♌18'25	2♍41	20♋18	16♍40	16♊46	19♈30	10♏49	17♍57	3♏ 3	23♉42	21♉19	20♉43	2♉26	18♈18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n12	25n29	4n32	18n17	1s55	19n 6	1n46	18n54	0s26	5n34	1s19	12s48	2n24	5n58	0n45	10s50	1n50	5n25	13s38	18n45	18n23	9n17	8n24	1n24
W 2	23 8	22 47	4 58	17 59	2 10	18 45	1 45	19 5	0 25	5 36	1 19	12 48	2 24	5 57	0 45	10 50	1 50	5 25	13 38	18 43	18 22	9 20	8 25	1 24
T 3	23 4	18 49	5 8	17 43	2 25	18 24	1 45	19 15	0 25	5 39	1 19	12 47	2 24	5 56	0 45	10 50	1 50	5 25	13 39	18 41	18 21	9 23	8 25	1 24
F 4	22 59	13 48	5 0	17 28	2 41	18 3	1 44	19 25	0 24	5 41	1 19	12 47	2 24	5 55	0 45	10 50	1 49	5 25	13 39	18 40	18 21	9 26	8 26	1 24
S 5	22 54	8 3	4 35	17 14	2 55	17 41	1 43	19 35	0 23	5 43	1 20	12 47	2 23	5 54	0 45	10 50	1 49	5 25	13 39	18 39	18 20	9 29	8 26	1 24
S 6	22 49	1 50	3 53	17 1	3 10	17 18	1 42	19 45	0 22	5 45	1 20	12 47	2 23	5 54	0 45	10 50	1 49	5 25	13 39	18 38	18 19	9 32	8 26	1 24
M 7	22 43	4s31	2 56	16 50	3 24	16 55	1 42	19 55	0 22	5 48	1 20	12 47	2 23	5 53	0 45	10 49	1 49	5 25	13 39	18 38	18 18	9 35	8 27	1 24
T 8	22 36	10 42	1 49	16 40	3 38	16 32	1 41	20 4	0 21	5 50	1 20	12 47	2 23	5 52	0 45	10 49	1 49	5 25	13 40	18 38	18 17	9 38	8 27	1 24
W 9	22 30	16 21	0 35	16 31	3 51	16 8	1 39	20 13	0 20	5 52	1 21	12 47	2 22	5 51	0 45	10 49	1 49	5 25	13 40	18 39	18 16	9 42	8 27	1 24
T 10	22 22	21 7	0s42	16 25	4 3	15 44	1 38	20 22	0 20	5 54	1 21	12 47	2 22	5 50	0 45	10 49	1 49	5 25	13 40	18 39	18 16	9 45	8 28	1 24
F 11	22 15	24 36	1 56	16 19	4 15	15 20	1 37	20 31	0 19	5 56	1 21	12 48	2 22	5 49	0 45	10 49	1 49	5 25	13 40	18 38	18 15	9 48	8 28	1 24
S 12	22 7	26 31	3 1	16 16	4 25	14 55	1 36	20 40	0 18	5 57	1 21	12 48	2 22	5 48	0 45	10 49	1 49	5 25	13 40	18 37	18 14	9 51	8 28	1 24
S 13	21 59	26 42	3 56	16 14	4 34	14 30	1 34	20 48	0 17	5 59	1 22	12 48	2 21	5 47	0 45	10 49	1 49	5 25	13 41	18 35	18 13	9 54	8 28	1 24
M14	21 50	25 14	4 35	16 14	4 41	14 4	1 33	20 57	0 17	6 1	1 22	12 48	2 21	5 46	0 45	10 50	1 49	5 25	13 41	18 33	18 12	9 57	8 29	1 24
T 15	21 41	22 20	4 58	16 15	4 47	13 38	1 31	21 5	0 16	6 2	1 22	12 48	2 21	5 45	0 45	10 50	1 49	5 25	13 41	18 31	18 11	10 0	8 29	1 24
W16	21 32	18 20	5 4	16 18	4 52	13 12	1 29	21 12	0 15	6 4	1 22	12 49	2 20	5 44	0 44	10 50	1 49	5 25	13 41	18 28	18 11	10 3	8 29	1 24
T 17	21 22	13 36	4 55	16 23	4 55	12 45	1 28	21 20	0 14	6 5	1 23	12 49	2 20	5 43	0 44	10 50	1 49	5 25	13 41	18 26	18 10	10 6	8 29	1 24
F 18	21 12	8 25	4 32	16 29	4 56	12 18	1 26	21 28	0 13	6 7	1 23	12 49	2 20	5 42	0 44	10 50	1 49	5 25	13 42	18 24	18 9	10 9	8 29	1 24
S 19	21 1	3 1	3 57	16 36	4 55	11 51	1 24	21 35	0 13	6 8	1 23	12 50	2 20	5 41	0 44	10 50	1 49	5 25	13 42	18 23	18 8	10 12	8 29	1 24
S 20	20 51	2n25	3 11	16 45	4 53	11 23	1 22	21 42	0 12	6 9	1 23	12 50	2 19	5 40	0 44	10 50	1 49	5 25	13 42	18 22	18 7	10 16	8 29	1 24
M21	20 39	7 42	2 18	16 55	4 49	10 56	1 20	21 49	0 11	6 11	1 24	12 50	2 19	5 39	0 44	10 50	1 49	5 25	13 42	18 22	18 6	10 19	8 29	1 24
T 22	20 28	12 42	1 19	17 6	4 43	10 28	1 17	21 56	0 10	6 12	1 24	12 51	2 19	5 38	0 44	10 50	1 48	5 25	13 42	18 22	18 6	10 22	8 29	1 24
W23	20 16	17 15	0 17	17 17	4 35	9 59	1 15	22 2	0 10	6 13	1 24	12 51	2 19	5 37	0 44	10 50	1 48	5 25	13 43	18 22	18 5	10 25	8 29	1 24
T 24	20 4	21 10	0n47	17 30	4 27	9 31	1 13	22 8	0 9	6 14	1 25	12 52	2 18	5 35	0 44	10 50	1 48	5 25	13 43	18 22	18 4	10 28	8 29	1 24
F 25	19 51	24 14	1 49	17 43	4 17	9 2	1 10	22 14	0 8	6 15	1 25	12 52	2 18	5 34	0 44	10 51	1 48	5 25	13 43	18 21	18 3	10 31	8 29	1 24
S 26	19 38	26 13	2 48	17 56	4 5	8 33	1 8	22 20	0 7	6 16	1 25	12 53	2 18	5 33	0 44	10 51	1 48	5 25	13 43	18 20	18 2	10 34	8 29	1 24
S 27	19 25	26 52	3 39	18 10	3 53	8 4	1 5	22 26	0 6	6 16	1 25	12 54	2 18	5 32	0 44	10 51	1 48	5 24	13 44	18 19	18 1	10 37	8 29	1 24
M28	19 12	26 3	4 21	18 24	3 39	7 35	1 2	22 31	0 5	6 17	1 26	12 54	2 17	5 31	0 44	10 51	1 48	5 24	13 44	18 16	18 1	10 40	8 29	1 24
T 29	18 58	23 44	4 49	18 38	3 25	7 5	1 0	22 37	0 5	6 18	1 26	12 55	2 17	5 30	0 44	10 51	1 48	5 24	13 44	18 13	18 0	10 43	8 29	1 24
W30	18 43	20 1	5 1	18 51	3 10	6 36	0 57	22 42	0 4	6 18	1 26	12 55	2 17	5 28	0 44	10 52	1 48	5 24	13 44	18 10	17 59	10 46	8 29	1 24
T 31	18n29	15n 8	4n56	19n 4	2s55	6n 6	0n54	22n47	0s 3	6n19	1s26	12s56	2n16	5n27	0n44	10s52	1n48	5n24	13s45	18n 8	17n58	10n49	8n29	1n24

Julian Day Number = 2316951.5, Delta T = 56.77 sec
Ecliptic obliquity = 23°29'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'49, Lahiri = 18°42'50Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1631
geocentric

AUGUST 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 37 9	8♌15'54	16♍49	20♋40	17♍50	17♊26	19♈32	10♏50	18♍ 0	3♏ 3	23♉42	21°R 9	20♉40	2♉33	18°R17	F 1
S 2	20 41 6	9°13'24	1♎ 1	21° 9	18°59	18° 6	19°33	10°52	18° 3	3° 4	23°43	21♉ 2	20°36	2°39	18♈16	S 2
S 3	20 45 3	10°10'55	15°15	21°44	20° 9	18°46	19°35	10°54	18° 6	3° 5	23°43	20°58	20°33	2°46	18°16	S 3
M 4	20 48 59	11° 8'27	29°27	22°26	21°18	19°26	19°36	10°55	18° 9	3° 5	23°43	20°57	20°30	2°53	18°15	M 4
T 5	20 52 56	12° 6'00	13♏35	23°14	22°27	20° 6	19°37	10°57	18°12	3° 6	23°44	20°56	20°27	2°59	18°15	T 5
W 6	20 56 52	13° 3'33	27°39	24° 9	23°37	20°45	19°38	11° 0	18°16	3° 7	23°44	20°56	20°24	3° 6	18°14	W 6
T 7	21 0 49	14° 1'08	11♐37	25°10	24°46	21°25	19°38	11° 2	18°19	3° 7	23°45	20°55	20°21	3°12	18°13	T 7
F 8	21 4 45	14°58'43	25°29	26°17	25°54	22° 4	19°39	11° 4	18°22	3° 8	23°45	20°52	20°17	3°19	18°12	F 8
S 9	21 8 42	15°56'20	9♑14	27°30	27° 3	22°44	19°R39	11° 6	18°25	3° 9	23°45	20°46	20°14	3°26	18°11	S 9
S 10	21 12 39	16°53'57	22°49	28°49	28°12	23°23	19°39	11° 9	18°29	3°10	23°46	20°37	20°11	3°32	18°10	S 10
M11	21 16 35	17°51'36	6♒13	0♌13	29°21	24° 2	19°39	11°11	18°32	3°10	23°46	20°26	20° 8	3°39	18° 9	M11
T 12	21 20 32	18°49'16	19°23	1°42	0♎29	24°42	19°38	11°14	18°35	3°11	23°46	20°14	20° 5	3°46	18° 8	T 12
W13	21 24 28	19°46'57	2♓19	3°15	1°38	25°21	19°38	11°17	18°39	3°12	23°46	20° 1	20° 2	3°52	18° 7	W13
T 14	21 28 25	20°44'39	14°58	4°53	2°46	26° 0	19°37	11°19	18°42	3°13	23°47	19°49	19°58	3°59	18° 6	T 14
F 15	21 32 21	21°42'23	27°21	6°35	3°54	26°38	19°36	11°22	18°46	3°14	23°47	19°39	19°55	4° 6	18° 5	F 15
S 16	21 36 18	22°40'09	9♈30	8°20	5° 2	27°17	19°35	11°25	18°49	3°15	23°47	19°32	19°52	4°12	18° 3	S 16
S 17	21 40 14	23°37'56	21°28	10° 9	6°10	27°56	19°33	11°28	18°53	3°16	23°47	19°27	19°49	4°19	18° 2	S 17
M18	21 44 11	24°35'45	3♉18	12° 0	7°18	28°35	19°32	11°31	18°56	3°17	23°47	19°24	19°46	4°26	18° 1	M18
T 19	21 48 7	25°33'35	15° 6	13°53	8°26	29°13	19°30	11°35	19° 0	3°18	23°47	19°24	19°42	4°32	17°59	T 19
W20	21 52 4	26°31'28	26°57	15°48	9°33	29°52	19°28	11°38	19° 3	3°19	23°47	19°24	19°39	4°39	17°58	W20
T 21	21 56 1	27°29'22	8♊56	17°44	10°41	0♋30	19°26	11°41	19° 7	3°20	23°48	19°23	19°36	4°46	17°56	T 21
F 22	21 59 57	28°27'18	21° 8	19°42	11°48	1° 8	19°23	11°45	19°10	3°22	23°48	19°22	19°33	4°52	17°55	F 22
S 23	22 3 54	29°25'16	3♋38	21°40	12°55	1°46	19°21	11°48	19°14	3°23	23°48	19°18	19°30	4°59	17°53	S 23
S 24	22 7 50	0♍23'16	16°31	23°38	14° 2	2°25	19°18	11°52	19°18	3°24	23°R48	19°11	19°27	5° 6	17°51	S 24
M25	22 11 47	1°21'17	29°48	25°37	15° 9	3° 3	19°15	11°56	19°21	3°25	23°48	19° 2	19°23	5°12	17°50	M25
T 26	22 15 43	2°19'21	13♌30	27°35	16°16	3°40	19°12	12° 0	19°25	3°27	23°48	18°52	19°20	5°19	17°48	T 26
W27	22 19 40	3°17'26	27°34	29°33	17°23	4°18	19° 8	12° 3	19°29	3°28	23°48	18°40	19°17	5°25	17°46	W27
T 28	22 23 36	4°15'32	11♍56	1♍31	18°29	4°56	19° 5	12° 7	19°32	3°29	23°47	18°29	19°14	5°32	17°44	T 28
F 29	22 27 33	5°13'41	26°29	3°28	19°36	5°33	19° 1	12°11	19°36	3°31	23°47	18°20	19°11	5°39	17°42	F 29
S 30	22 31 30	6°11'50	11♎ 6	5°24	20°42	6°11	18°57	12°16	19°40	3°32	23°47	18°13	19° 7	5°45	17°40	S 30
S 31	22 35 26	7♍10'02	25♎42	7♍19	21♎48	6♋48	18♈53	12♏20	19♍43	3♏33	23♉47	18♉ 9	19♉ 4	5♉52	17♈38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18n14	9n23	4n32	19n17	2s39	5n36	0n51	22n51	0s 2	6n19	1s27	12s57	2n16	5n26	0n44	10s52	1n48	5n24	13s45	18n 5	17n57	10n52	8n28	1n24
S 2	17 59	3 8	3 52	19 28	2 23	5 6	0 48	22 56	0 1	6 20	1 27	12 58	2 16	5 25	0 44	10 52	1 48	5 24	13 45	18 3	17 56	10 55	8 28	1 24
S 3	17 44	3s18	2 57	19 39	2 7	4 35	0 44	23 0	0 0	6 20	1 27	12 59	2 16	5 23	0 44	10 53	1 48	5 24	13 45	18 2	17 56	10 59	8 28	1 24
M 4	17 28	9 34	1 51	19 48	1 50	4 5	0 41	23 4	0n 0	6 20	1 28	12 59	2 15	5 22	0 44	10 53	1 48	5 23	13 46	18 2	17 55	11 2	8 28	1 24
T 5	17 12	15 20	0 39	19 56	1 34	3 35	0 38	23 8	0 1	6 20	1 28	13 0	2 15	5 21	0 44	10 53	1 48	5 23	13 46	18 2	17 54	11 5	8 27	1 24
W 6	16 56	20 15	0s35	20 3	1 18	3 4	0 34	23 12	0 2	6 20	1 28	13 1	2 15	5 20	0 44	10 53	1 48	5 23	13 46	18 2	17 53	11 8	8 27	1 24
T 7	16 39	24 0	1 47	20 8	1 2	2 33	0 31	23 15	0 3	6 20	1 28	13 2	2 15	5 18	0 44	10 54	1 47	5 23	13 46	18 1	17 52	11 11	8 27	1 24
F 8	16 23	26 16	2 52	20 11	0 47	2 3	0 27	23 19	0 4	6 20	1 29	13 3	2 14	5 17	0 44	10 54	1 47	5 23	13 47	18 1	17 51	11 14	8 26	1 24
S 9	16 5	26 55	3 46	20 11	0 31	1 32	0 24	23 22	0 5	6 20	1 29	13 4	2 14	5 16	0 44	10 54	1 47	5 23	13 47	17 59	17 50	11 17	8 26	1 24
S 10	15 48	25 56	4 26	20 10	0 17	1 1	0 20	23 25	0 5	6 20	1 29	13 5	2 14	5 14	0 44	10 55	1 47	5 23	13 47	17 57	17 50	11 20	8 26	1 24
M11	15 31	23 27	4 51	20 6	0 3	0 30	0 16	23 28	0 6	6 19	1 29	13 6	2 14	5 13	0 44	10 55	1 47	5 22	13 47	17 54	17 49	11 23	8 25	1 24
T 12	15 13	19 47	5 0	19 59	0n10	0s 0	0 12	23 30	0 7	6 19	1 30	13 7	2 13	5 12	0 44	10 55	1 47	5 22	13 48	17 50	17 48	11 26	8 25	1 24
W13	14 55	15 14	4 53	19 50	0 23	0 31	0 8	23 33	0 8	6 18	1 30	13 8	2 13	5 10	0 44	10 56	1 47	5 22	13 48	17 47	17 47	11 29	8 25	1 24
T 14	14 36	10 7	4 32	19 39	0 35	1 2	0 4	23 35	0 9	6 18	1 30	13 9	2 13	5 9	0 44	10 56	1 47	5 22	13 48	17 44	17 46	11 32	8 24	1 24
F 15	14 18	4 42	3 59	19 24	0 45	1 33	0 0	23 37	0 10	6 17	1 30	13 10	2 13	5 7	0 44	10 56	1 47	5 22	13 48	17 41	17 45	11 35	8 24	1 24
S 16	13 59	0n48	3 14	19 7	0 56	2 4	0s 4	23 38	0 11	6 17	1 31	13 11	2 12	5 6	0 44	10 57	1 47	5 21	13 49	17 39	17 44	11 38	8 23	1 24
S 17	13 40	6 11	2 22	18 47	1 5	2 34	0 8	23 40	0 12	6 16	1 31	13 13	2 12	5 5	0 44	10 57	1 47	5 21	13 49	17 38	17 44	11 41	8 23	1 24
M18	13 21	11 19	1 24	18 24	1 13	3 5	0 12	23 41	0 13	6 15	1 31	13 14	2 12	5 3	0 44	10 58	1 47	5 21	13 49	17 37	17 43	11 44	8 22	1 24
T 19	13 2	16 2	0 23	17 58	1 20	3 36	0 16	23 43	0 14	6 14	1 31	13 15	2 12	5 2	0 44	10 58	1 47	5 21	13 49	17 37	17 42	11 47	8 21	1 24
W20	12 42	20 10	0n40	17 31	1 27	4 7	0 21	23 44	0 14	6 13	1 32	13 16	2 11	5 1	0 44	10 58	1 47	5 20	13 50	17 37	17 41	11 50	8 21	1 24
T 21	12 22	23 30	1 42	17 0	1 32	4 37	0 25	23 45	0 15	6 12	1 32	13 18	2 11	4 59	0 44	10 59	1 47	5 20	13 50	17 37	17 40	11 53	8 20	1 24
F 22	12 2	25 51	2 40	16 28	1 37	5 8	0 30	23 45	0 16	6 11	1 32	13 19	2 11	4 58	0 44	10 59	1 47	5 20	13 50	17 36	17 39	11 56	8 20	1 24
S 23	11 42	26 58	3 32	15 54	1 40	5 38	0 34	23 46	0 17	6 10	1 32	13 20	2 11	4 56	0 44	11 0	1 47	5 20	13 50	17 35	17 38	11 59	8 19	1 24
S 24	11 22	26 40	4 14	15 17	1 43	6 8	0 38	23 46	0 18	6 8	1 33	13 21	2 10	4 55	0 44	11 0	1 47	5 19	13 51	17 33	17 38	12 2	8 18	1 24
M25	11 1	24 52	4 45	14 39	1 45	6 39	0 43	23 46	0 19	6 7	1 33	13 23	2 10	4 53	0 44	11 1	1 47	5 19	13 51	17 31	17 37	12 6	8 18	1 24
T 26	10 40	21 36	5 0	14 0	1 46	7 9	0 48	23 46	0 20	6 6	1 33	13 24	2 10	4 52	0 44	11 1	1 46	5 19	13 51	17 28	17 36	12 9	8 17	1 24
W27	10 19	17 0	4 58	13 19	1 47	7 39	0 52	23 46	0 21	6 4	1 33	13 26	2 10	4 50	0 44	11 2	1 46	5 19	13 51	17 25	17 35	12 12	8 16	1 24
T 28	9 58	11 22	4 37	12 37	1 47	8 8	0 57	23 46	0 22	6 2	1 34	13 27	2 10	4 49	0 44	11 2	1 46	5 18	13 52	17 22	17 34	12 15	8 16	1 24
F 29	9 37	5 2	3 58	11 54	1 46	8 38	1 2	23 45	0 23	6 1	1 34	13 28	2 9	4 48	0 44	11 3	1 46	5 18	13 52	17 19	17 33	12 18	8 15	1 23
S 30	9 15	1s36	3 3	11 10	1 44	9 7	1 7	23 44	0 24	5 59	1 34	13 30	2 9	4 46	0 43	11 3	1 46	5 18	13 52	17 17	17 32	12 21	8 14	1 23
S 31	8n54	8s 9	1n56	10n25	1n42	9s37	1s11	23n44	0n25	5n57	1s34	13s31	2n 9	4n45	0n43	11s 4	1n46	5n18	13s52	17n16	17n32	12n24	8n13	1n23

Julian Day Number = 2316982.5, Delta T = 56.71 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'53, Lahiri = 18°42'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

SEPTEMBER 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 39 23	8♍ 8'15	10♏ 9	9♍13	22♎54	7♋26	18°R49	12♏24	19♍47	3♏35	23°R47	18°R 7	19♉ 1	5♉59	17°R36	M 1
T 2	22 43 19	9° 6'29	24°26	11° 6	23°59	8° 3	18♈44	12°28	19°51	3°36	23♉47	18°D 7	18°58	6° 5	17♈34	T 2
W 3	22 47 16	10° 4'45	8♐30	12°58	25° 5	8°40	18°40	12°33	19°55	3°38	23°47	18°R 7	18°55	6°12	17°32	W 3
T 4	22 51 12	11° 3'03	22°21	14°50	26°10	9°17	18°35	12°37	19°58	3°39	23°46	18♉ 7	18°52	6°19	17°30	T 4
F 5	22 55 9	12° 1'22	5♑59	16°39	27°15	9°54	18°30	12°42	20° 2	3°41	23°46	18° 4	18°48	6°25	17°28	F 5
S 6	22 59 5	12°59'43	19°25	18°28	28°20	10°30	18°25	12°47	20° 6	3°42	23°46	18° 0	18°45	6°32	17°26	S 6
S 7	23 3 2	13°58'05	2♒38	20°16	29°25	11° 7	18°19	12°51	20°10	3°44	23°46	17°52	18°42	6°39	17°24	S 7
M 8	23 6 59	14°56'29	15°40	22° 3	0♏30	11°43	18°14	12°56	20°13	3°45	23°45	17°43	18°39	6°45	17°21	M 8
T 9	23 10 55	15°54'55	28°29	23°48	1°34	12°20	18° 8	13° 1	20°17	3°47	23°45	17°32	18°36	6°52	17°19	T 9
W10	23 14 52	16°53'22	11♓ 6	25°33	2°38	12°56	18° 3	13° 6	20°21	3°49	23°45	17°21	18°33	6°59	17°17	W10
T 11	23 18 48	17°51'51	23°30	27°16	3°42	13°32	17°57	13°11	20°25	3°50	23°44	17°11	18°29	7° 5	17°14	T 11
F 12	23 22 45	18°50'22	5♈43	28°58	4°46	14° 8	17°51	13°16	20°28	3°52	23°44	17° 2	18°26	7°12	17°12	F 12
S 13	23 26 41	19°48'55	17°45	0♎39	5°49	14°44	17°44	13°21	20°32	3°54	23°44	16°56	18°23	7°19	17°10	S 13
S 14	23 30 38	20°47'31	29°39	2°19	6°52	15°20	17°38	13°26	20°36	3°56	23°43	16°52	18°20	7°25	17° 7	S 14
M15	23 34 34	21°46'08	11♉27	3°59	7°55	15°56	17°32	13°31	20°40	3°57	23°43	16°D50	18°17	7°32	17° 5	M15
T 16	23 38 31	22°44'48	23°13	5°37	8°58	16°32	17°25	13°37	20°44	3°59	23°42	16°50	18°13	7°38	17° 2	T 16
W17	23 42 28	23°43'29	5♊ 3	7°14	10° 0	17° 7	17°18	13°42	20°47	4° 1	23°42	16°51	18°10	7°45	16°59	W17
T 18	23 46 24	24°42'13	17° 0	8°50	11° 3	17°42	17°11	13°47	20°51	4° 3	23°41	16°52	18° 7	7°52	16°57	T 18
F 19	23 50 21	25°41'00	29°11	10°25	12° 4	18°18	17° 5	13°53	20°55	4° 5	23°41	16°R52	18° 4	7°58	16°54	F 19
S 20	23 54 17	26°39'48	11♋39	12° 0	13° 6	18°53	16°57	13°58	20°59	4° 6	23°40	16°51	18° 1	8° 5	16°52	S 20
S 21	23 58 14	27°38'39	24°31	13°33	14° 7	19°28	16°50	14° 4	21° 2	4° 8	23°40	16°48	17°58	8°12	16°49	S 21
M22	0 2 10	28°37'33	7♌49	15° 6	15° 8	20° 3	16°43	14°10	21° 6	4°10	23°39	16°43	17°54	8°18	16°46	M22
T 23	0 6 7	29°36'28	21°35	16°37	16° 9	20°37	16°36	14°15	21°10	4°12	23°39	16°36	17°51	8°25	16°44	T 23
W24	0 10 3	0♎35'26	5♍47	18° 8	17° 9	21°12	16°28	14°21	21°14	4°14	23°38	16°29	17°48	8°32	16°41	W24
T 25	0 14 0	1°34'25	20°22	19°37	18° 9	21°46	16°21	14°27	21°17	4°16	23°37	16°22	17°45	8°38	16°38	T 25
F 26	0 17 57	2°33'27	5♎14	21° 6	19° 9	22°21	16°13	14°33	21°21	4°18	23°37	16°15	17°42	8°45	16°36	F 26
S 27	0 21 53	3°32'31	20°13	22°34	20° 8	22°55	16° 5	14°39	21°25	4°20	23°36	16°11	17°39	8°52	16°33	S 27
S 28	0 25 50	4°31'37	5♏12	24° 1	21° 7	23°29	15°57	14°45	21°29	4°22	23°35	16° 9	17°35	8°58	16°30	S 28
M29	0 29 46	5°30'44	20° 1	25°27	22° 6	24° 3	15°50	14°51	21°32	4°24	23°35	16°D 8	17°32	9° 5	16°27	M29
T 30	0 33 43	6♎29'54	4♐35	26♎52	23♏ 4	24♋36	15♈42	14♏57	21♍36	4♏26	23♉34	16♉ 9	17♉29	9♉11	16♈24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n32	14s14	0n42	9n40	1n40	10s 6	1s16	23n43	0n26	5n56	1s35	13s33	2n 9	4n43	0n43	11s 4	1n46	5n17	13s53	17n16	17n31	12n27	8n13	1n23
T 2	8 10	19 28	0s34	8 54	1 37	10 35	1 21	23 41	0 27	5 54	1 35	13 34	2 8	4 42	0 43	11 5	1 46	5 17	13 53	17 16	17 30	12 30	8 12	1 23
W 3	7 48	23 31	1 46	8 8	1 33	11 4	1 26	23 40	0 28	5 52	1 35	13 36	2 8	4 40	0 43	11 5	1 46	5 17	13 53	17 16	17 29	12 33	8 11	1 23
T 4	7 26	26 7	2 52	7 22	1 29	11 32	1 31	23 38	0 29	5 50	1 35	13 38	2 8	4 39	0 43	11 6	1 46	5 16	13 53	17 16	17 28	12 36	8 10	1 23
F 5	7 4	27 7	3 46	6 35	1 25	12 0	1 36	23 37	0 30	5 48	1 35	13 39	2 8	4 37	0 43	11 6	1 46	5 16	13 54	17 15	17 27	12 39	8 9	1 23
S 6	6 42	26 29	4 27	5 48	1 20	12 28	1 41	23 35	0 31	5 46	1 36	13 41	2 8	4 36	0 43	11 7	1 46	5 16	13 54	17 14	17 26	12 42	8 8	1 23
S 7	6 19	24 22	4 53	5 1	1 15	12 56	1 46	23 33	0 32	5 43	1 36	13 42	2 7	4 34	0 43	11 8	1 46	5 16	13 54	17 12	17 25	12 45	8 7	1 23
M 8	5 57	21 0	5 3	4 14	1 10	13 24	1 51	23 31	0 33	5 41	1 36	13 44	2 7	4 33	0 43	11 8	1 46	5 15	13 54	17 9	17 25	12 48	8 7	1 23
T 9	5 34	16 41	4 58	3 27	1 4	13 51	1 56	23 28	0 34	5 39	1 36	13 46	2 7	4 31	0 43	11 9	1 46	5 15	13 55	17 6	17 24	12 51	8 6	1 23
W10	5 11	11 42	4 38	2 40	0 59	14 18	2 1	23 26	0 35	5 36	1 36	13 47	2 7	4 30	0 43	11 9	1 46	5 15	13 55	17 3	17 23	12 54	8 5	1 23
T 11	4 48	6 20	4 6	1 54	0 52	14 45	2 6	23 23	0 36	5 34	1 36	13 49	2 7	4 28	0 43	11 10	1 46	5 14	13 55	17 0	17 22	12 57	8 4	1 23
F 12	4 25	0 49	3 22	1 7	0 46	15 11	2 10	23 21	0 37	5 32	1 37	13 51	2 6	4 27	0 43	11 11	1 46	5 14	13 55	16 57	17 21	13 0	8 3	1 23
S 13	4 2	4n41	2 29	0 21	0 40	15 37	2 15	23 18	0 38	5 29	1 37	13 52	2 6	4 25	0 43	11 11	1 46	5 14	13 56	16 56	17 20	13 3	8 2	1 23
S 14	3 39	9 57	1 31	0s25	0 33	16 3	2 20	23 15	0 39	5 27	1 37	13 54	2 6	4 24	0 43	11 12	1 46	5 13	13 56	16 55	17 19	13 6	8 1	1 23
M15	3 16	14 50	0 29	1 11	0 26	16 28	2 25	23 12	0 40	5 24	1 37	13 56	2 6	4 22	0 43	11 12	1 46	5 13	13 56	16 54	17 18	13 9	8 0	1 23
T 16	2 53	19 10	0n34	1 56	0 20	16 53	2 30	23 9	0 41	5 21	1 37	13 58	2 6	4 21	0 43	11 13	1 46	5 13	13 56	16 54	17 18	13 12	7 59	1 23
W17	2 30	22 46	1 37	2 41	0 13	17 18	2 35	23 5	0 42	5 19	1 37	13 59	2 5	4 19	0 43	11 14	1 45	5 12	13 57	16 54	17 17	13 14	7 58	1 23
T 18	2 7	25 26	2 35	3 26	0 5	17 43	2 40	23 2	0 43	5 16	1 37	14 1	2 5	4 18	0 43	11 14	1 45	5 12	13 57	16 55	17 16	13 17	7 57	1 23
F 19	1 43	26 57	3 28	4 10	0s 2	18 7	2 45	22 58	0 44	5 13	1 38	14 3	2 5	4 16	0 43	11 15	1 45	5 12	13 57	16 55	17 15	13 20	7 56	1 23
S 20	1 20	27 10	4 12	4 53	0 9	18 30	2 50	22 54	0 45	5 10	1 38	14 5	2 5	4 15	0 43	11 16	1 45	5 11	13 57	16 54	17 14	13 23	7 55	1 23
S 21	0 56	25 57	4 46	5 36	0 16	18 53	2 55	22 50	0 46	5 7	1 38	14 7	2 5	4 13	0 43	11 16	1 45	5 11	13 57	16 53	17 13	13 26	7 54	1 23
M22	0 33	23 15	5 5	6 19	0 24	19 16	3 0	22 46	0 47	5 5	1 38	14 8	2 5	4 12	0 43	11 17	1 45	5 11	13 58	16 52	17 12	13 29	7 53	1 23
T 23	0 9	19 11	5 7	7 1	0 31	19 39	3 5	22 42	0 49	5 2	1 38	14 10	2 4	4 10	0 43	11 18	1 45	5 10	13 58	16 50	17 11	13 32	7 51	1 23
W24	0s14	13 55	4 51	7 43	0 38	20 1	3 9	22 38	0 50	4 59	1 38	14 12	2 4	4 9	0 43	11 18	1 45	5 10	13 58	16 48	17 10	13 35	7 50	1 22
T 25	0 38	7 45	4 16	8 24	0 46	20 23	3 14	22 34	0 51	4 56	1 38	14 14	2 4	4 8	0 43	11 19	1 45	5 10	13 58	16 46	17 10	13 38	7 49	1 22
F 26	1 1	1 2	3 23	9 4	0 53	20 44	3 19	22 29	0 52	4 53	1 38	14 16	2 4	4 6	0 43	11 20	1 45	5 9	13 58	16 44	17 9	13 41	7 48	1 22
S 27	1 25	5s49	2 16	9 44	1 0	21 5	3 23	22 25	0 53	4 50	1 38	14 18	2 4	4 5	0 43	11 20	1 45	5 9	13 59	16 43	17 8	13 44	7 47	1 22
S 28	1 48	12 21	0 59	10 23	1 8	21 25	3 28	22 20	0 54	4 47	1 38	14 20	2 4	4 3	0 43	11 21	1 45	5 9	13 59	16 42	17 7	13 47	7 46	1 22
M29	2 12	18 7	0s21	11 1	1 15	21 45	3 33	22 15	0 55	4 44	1 38	14 22	2 3	4 2	0 43	11 22	1 45	5 8	13 59	16 42	17 6	13 50	7 45	1 22
T 30	2s35	22s43	1s39	11s39	1s22	22s 4	3s37	22n10	0n56	4n41	1s38	14s23	2n 3	4n 0	0n43	11s22	1n45	5n 8	13s59	16n42	17n 5	13n53	7n44	1n22

Julian Day Number = 2317013.5, Delta T = 56.64 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°35'58, Lahiri = 18°42'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

OCTOBER 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 37 39	7♎29'06	18♐51	28♎16	24♏ 2	25♋10	15°R34	15♏ 3	21♍40	4♏28	23°R33	16♉11	17♉26	9♉18	16°R22	W 1
T 2	0 41 36	8°28'19	2♑47	29°40	24°59	25°43	15♈26	15° 9	21°43	4°30	23♉32	16°R12	17°23	9°25	16♈19	T 2
F 3	0 45 32	9°27'34	16°22	1♏ 2	25°56	26°17	15°18	15°15	21°47	4°32	23°32	16°12	17°19	9°31	16°16	F 3
S 4	0 49 29	10°26'51	29°38	2°23	26°52	26°50	15°10	15°22	21°51	4°34	23°31	16°10	17°16	9°38	16°13	S 4
S 5	0 53 26	11°26'09	12♒38	3°42	27°48	27°23	15° 2	15°28	21°54	4°36	23°30	16° 7	17°13	9°45	16°10	S 5
M 6	0 57 22	12°25'29	25°23	5° 1	28°43	27°55	14°54	15°34	21°58	4°38	23°29	16° 2	17°10	9°51	16° 7	M 6
T 7	1 1 19	13°24'51	7♓54	6°18	29°38	28°28	14°45	15°41	22° 1	4°40	23°29	15°57	17° 7	9°58	16° 5	T 7
W 8	1 5 15	14°24'15	20°14	7°35	0♈32	29° 0	14°37	15°47	22° 5	4°43	23°28	15°51	17° 4	10° 5	16° 2	W 8
T 9	1 9 12	15°23'41	2♈24	8°49	1°26	29°33	14°29	15°53	22° 9	4°45	23°27	15°46	17° 0	10°11	15°59	T 9
F 10	1 13 8	16°23'09	14°25	10° 2	2°19	0♌ 5	14°21	16° 0	22°12	4°47	23°26	15°41	16°57	10°18	15°56	F 10
S 11	1 17 5	17°22'39	26°20	11°14	3°11	0°37	14°13	16° 6	22°16	4°49	23°25	15°38	16°54	10°25	15°53	S 11
S 12	1 21 1	18°22'11	8♉ 9	12°23	4° 3	1° 9	14° 5	16°13	22°19	4°51	23°24	15°37	16°51	10°31	15°50	S 12
M13	1 24 58	19°21'45	19°56	13°31	4°54	1°40	13°57	16°20	22°23	4°53	23°23	15°D36	16°48	10°38	15°47	M13
T 14	1 28 54	20°21'21	1♊43	14°37	5°45	2°12	13°49	16°26	22°26	4°56	23°22	15°37	16°44	10°45	15°45	T 14
W15	1 32 51	21°21'00	13°34	15°40	6°34	2°43	13°41	16°33	22°30	4°58	23°22	15°39	16°41	10°51	15°42	W15
T 16	1 36 48	22°20'41	25°32	16°41	7°23	3°14	13°33	16°40	22°33	5° 0	23°21	15°41	16°38	10°58	15°39	T 16
F 17	1 40 44	23°20'24	7♋42	17°39	8°11	3°45	13°25	16°46	22°36	5° 2	23°20	15°42	16°35	11° 4	15°36	F 17
S 18	1 44 41	24°20'09	20° 8	18°34	8°59	4°15	13°17	16°53	22°40	5° 4	23°19	15°R43	16°32	11°11	15°33	S 18
S 19	1 48 37	25°19'57	2♌55	19°25	9°45	4°46	13°10	17° 0	22°43	5° 7	23°18	15°43	16°29	11°18	15°31	S 19
M20	1 52 34	26°19'46	16° 7	20°13	10°31	5°16	13° 2	17° 7	22°46	5° 9	23°17	15°42	16°25	11°24	15°28	M20
T 21	1 56 30	27°19'39	29°45	20°56	11°16	5°46	12°54	17°13	22°50	5°11	23°16	15°40	16°22	11°31	15°25	T 21
W22	2 0 27	28°19'33	13♍52	21°35	11°59	6°16	12°47	17°20	22°53	5°13	23°15	15°38	16°19	11°38	15°22	W22
T 23	2 4 23	29°19'29	28°25	22° 9	12°42	6°46	12°39	17°27	22°56	5°16	23°14	15°35	16°16	11°44	15°19	T 23
F 24	2 8 20	0♏19'27	13♎19	22°37	13°24	7°15	12°32	17°34	22°59	5°18	23°13	15°33	16°13	11°51	15°17	F 24
S 25	2 12 17	1°19'28	28°27	22°59	14° 5	7°44	12°25	17°41	23° 3	5°20	23°12	15°32	16°10	11°58	15°14	S 25
S 26	2 16 13	2°19'30	13♏40	23°13	14°44	8°13	12°17	17°48	23° 6	5°22	23°11	15°D32	16° 6	12° 4	15°11	S 26
M27	2 20 10	3°19'35	28°47	23°R21	15°23	8°42	12°10	17°55	23° 9	5°24	23°10	15°32	16° 3	12°11	15° 9	M27
T 28	2 24 6	4°19'41	13♐41	23°20	16° 0	9°10	12° 3	18° 2	23°12	5°27	23° 9	15°33	16° 0	12°18	15° 6	T 28
W29	2 28 3	5°19'49	28°14	23°10	16°36	9°39	11°57	18° 9	23°15	5°29	23° 7	15°34	15°57	12°24	15° 3	W29
T 30	2 31 59	6°19'58	12♑23	22°51	17°11	10° 7	11°50	18°16	23°18	5°31	23° 6	15°35	15°54	12°31	15° 1	T 30
F 31	2 35 56	7♑20'09	26♑ 6	22♑23	17♐44	10♌34	11♈43	18♏23	23♍21	5♏33	23♉ 5	15♉35	15♉50	12♉37	14♈58	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2s59	25s49	2s49	12s16	1s29	22s23	3s41	22n 5	0n58	4n37	1s38	14s25	2n 3	3n59	0n43	11s23	1n45	5n 8	13s59	16n43	17n 4	13n56	7n42	1n22
T 2	3 22	27 14	3 47	12 52	1 36	22 42	3 46	22 0	0 59	4 34	1 38	14 27	2 3	3 57	0 43	11 24	1 45	5 7	14 0	16 43	17 3	13 59	7 41	1 22
F 3	3 45	26 58	4 31	13 28	1 43	23 0	3 50	21 55	1 0	4 31	1 38	14 29	2 3	3 56	0 44	11 25	1 45	5 7	14 0	16 43	17 2	14 2	7 40	1 22
S 4	4 9	25 8	4 59	14 2	1 50	23 18	3 54	21 50	1 1	4 28	1 39	14 31	2 3	3 54	0 44	11 25	1 45	5 7	14 0	16 43	17 1	14 5	7 39	1 22
S 5	4 32	22 1	5 11	14 36	1 56	23 35	3 58	21 45	1 2	4 25	1 39	14 33	2 2	3 53	0 44	11 26	1 45	5 6	14 0	16 42	17 1	14 8	7 38	1 22
M 6	4 55	17 55	5 8	15 9	2 3	23 51	4 2	21 39	1 3	4 22	1 38	14 35	2 2	3 52	0 44	11 27	1 45	5 6	14 0	16 40	17 0	14 11	7 37	1 22
T 7	5 18	13 6	4 49	15 41	2 9	24 7	4 6	21 34	1 5	4 19	1 38	14 37	2 2	3 50	0 44	11 28	1 45	5 6	14 0	16 39	16 59	14 14	7 35	1 22
W 8	5 41	7 50	4 18	16 11	2 15	24 23	4 10	21 28	1 6	4 16	1 38	14 39	2 2	3 49	0 44	11 28	1 45	5 5	14 1	16 37	16 58	14 16	7 34	1 22
T 9	6 4	2 20	3 35	16 41	2 21	24 38	4 14	21 23	1 7	4 13	1 38	14 41	2 2	3 47	0 44	11 29	1 45	5 5	14 1	16 35	16 57	14 19	7 33	1 21
F 10	6 27	3n12	2 43	17 10	2 26	24 52	4 17	21 17	1 8	4 10	1 38	14 43	2 2	3 46	0 44	11 30	1 45	5 5	14 1	16 34	16 56	14 22	7 32	1 21
S 11	6 50	8 34	1 44	17 38	2 32	25 6	4 21	21 12	1 10	4 6	1 38	14 45	2 2	3 45	0 44	11 30	1 45	5 4	14 1	16 33	16 55	14 25	7 31	1 21
S 12	7 13	13 37	0 41	18 4	2 37	25 20	4 24	21 6	1 11	4 3	1 38	14 47	2 2	3 43	0 44	11 31	1 45	5 4	14 1	16 33	16 54	14 28	7 30	1 21
M13	7 36	18 9	0n24	18 29	2 41	25 33	4 28	21 0	1 12	4 0	1 38	14 49	2 1	3 42	0 44	11 32	1 45	5 4	14 1	16 33	16 53	14 31	7 28	1 21
T 14	7 58	21 59	1 28	18 53	2 46	25 45	4 31	20 54	1 13	3 57	1 38	14 51	2 1	3 41	0 44	11 33	1 45	5 3	14 1	16 33	16 52	14 34	7 27	1 21
W15	8 21	24 56	2 28	19 16	2 50	25 57	4 34	20 48	1 15	3 54	1 38	14 53	2 1	3 39	0 44	11 33	1 45	5 3	14 2	16 34	16 52	14 37	7 26	1 21
T 16	8 43	26 47	3 23	19 37	2 53	26 8	4 37	20 42	1 16	3 51	1 38	14 55	2 1	3 38	0 44	11 34	1 45	5 3	14 2	16 34	16 51	14 40	7 25	1 21
F 17	9 5	27 25	4 9	19 57	2 56	26 19	4 39	20 36	1 17	3 48	1 38	14 57	2 1	3 37	0 44	11 35	1 45	5 2	14 2	16 34	16 50	14 43	7 24	1 21
S 18	9 27	26 41	4 45	20 15	2 59	26 29	4 42	20 30	1 19	3 45	1 38	14 59	2 1	3 35	0 44	11 36	1 45	5 2	14 2	16 35	16 49	14 46	7 23	1 21
S 19	9 49	24 33	5 8	20 31	3 0	26 39	4 44	20 24	1 20	3 42	1 38	15 1	2 1	3 34	0 44	11 36	1 45	5 1	14 2	16 35	16 48	14 48	7 21	1 21
M20	10 11	21 4	5 16	20 45	3 2	26 48	4 47	20 18	1 21	3 40	1 38	15 3	2 1	3 33	0 44	11 37	1 45	5 1	14 2	16 34	16 47	14 51	7 20	1 20
T 21	10 33	16 22	5 7	20 57	3 2	26 56	4 49	20 12	1 23	3 37	1 37	15 5	2 1	3 31	0 44	11 38	1 45	5 1	14 2	16 34	16 46	14 54	7 19	1 20
W22	10 54	10 38	4 39	21 7	3 2	27 4	4 50	20 6	1 24	3 34	1 37	15 7	2 1	3 30	0 44	11 39	1 45	5 1	14 2	16 33	16 45	14 57	7 18	1 20
T 23	11 15	4 11	3 52	21 15	3 1	27 12	4 52	20 0	1 25	3 31	1 37	15 9	2 0	3 29	0 44	11 39	1 45	5 0	14 2	16 33	16 44	15 0	7 17	1 20
F 24	11 37	2s40	2 49	21 20	2 59	27 19	4 54	19 54	1 27	3 28	1 37	15 11	2 0	3 28	0 44	11 40	1 45	5 0	14 3	16 32	16 43	15 3	7 16	1 20
S 25	11 58	9 30	1 33	21 23	2 55	27 25	4 55	19 47	1 28	3 26	1 37	15 13	2 0	3 26	0 44	11 41	1 45	5 0	14 3	16 32	16 42	15 6	7 14	1 20
S 26	12 18	15 49	0 10	21 22	2 51	27 31	4 56	19 41	1 29	3 23	1 37	15 15	2 0	3 25	0 44	11 42	1 45	4 59	14 3	16 31	16 41	15 9	7 13	1 20
M27	12 39	21 7	1s13	21 19	2 45	27 36	4 57	19 35	1 31	3 20	1 37	15 17	2 0	3 24	0 44	11 42	1 45	4 59	14 3	16 32	16 41	15 12	7 12	1 20
T 28	12 59	24 58	2 30	21 12	2 38	27 41	4 57	19 29	1 32	3 18	1 36	15 19	2 0	3 23	0 44	11 43	1 45	4 59	14 3	16 32	16 40	15 14	7 11	1 20
W29	13 20	27 4	3 36	21 1	2 30	27 45	4 57	19 23	1 34	3 15	1 36	15 21	2 0	3 21	0 44	11 44	1 45	4 58	14 3	16 32	16 39	15 17	7 10	1 20
T 30	13 40	27 20	4 26	20 47	2 20	27 48	4 58	19 17	1 35	3 13	1 36	15 23	2 0	3 20	0 44	11 45	1 45	4 58	14 3	16 32	16 38	15 20	7 9	1 19
F 31	13s59	25s52	5s 0	20s28	2s 8	27s51	4s57	19n10	1n37	3n10	1s36	15s25	2n 0	3n19	0n44	11s45	1n45	4n58	14s 3	16n32	16n37	15n23	7n 8	1n19

Julian Day Number = 2317043.5, Delta T = 56.57 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'02, Lahiri = 18°43'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

NOVEMBER 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 39 52	8♏20'22	9♒24	21°R45	18♐16	11♌ 2	11°R37	18♏30	23♍24	5♏36	23°R 4	15°R35	15♉47	12♉44	14°R55	S 1
S 2	2 43 49	9°20'35	22°20	20♏57	18°46	11°29	11♈31	18°37	23°27	5°38	23♉ 3	15♉35	15°44	12°51	14♈53	S 2
M 3	2 47 46	10°20'51	4♓56	20° 0	19°15	11°56	11°24	18°44	23°30	5°40	23° 2	15°35	15°41	12°57	14°50	M 3
T 4	2 51 42	11°21'08	17°17	18°55	19°42	12°23	11°18	18°51	23°33	5°42	23° 1	15°34	15°38	13° 4	14°48	T 4
W 5	2 55 39	12°21'26	29°25	17°43	20° 7	12°49	11°13	18°59	23°35	5°45	23° 0	15°34	15°35	13°11	14°45	W 5
T 6	2 59 35	13°21'46	11♈24	16°25	20°31	13°15	11° 7	19° 6	23°38	5°47	22°59	15°33	15°31	13°17	14°43	T 6
F 7	3 3 32	14°22'07	23°17	15° 6	20°53	13°41	11° 1	19°13	23°41	5°49	22°58	15°33	15°28	13°24	14°41	F 7
S 8	3 7 28	15°22'30	5♉ 6	13°46	21°13	14° 7	10°56	19°20	23°44	5°51	22°57	15°D33	15°25	13°31	14°38	S 8
S 9	3 11 25	16°22'55	16°54	12°28	21°31	14°32	10°51	19°27	23°46	5°54	22°55	15°R33	15°22	13°37	14°36	S 9
M10	3 15 21	17°23'21	28°42	11°15	21°47	14°57	10°46	19°34	23°49	5°56	22°54	15°33	15°19	13°44	14°34	M10
T 11	3 19 18	18°23'49	10♊34	10°10	22° 1	15°22	10°41	19°41	23°52	5°58	22°53	15°33	15°16	13°51	14°31	T 11
W12	3 23 15	19°24'19	22°30	9°13	22°13	15°46	10°36	19°48	23°54	6° 0	22°52	15°32	15°12	13°57	14°29	W12
T 13	3 27 11	20°24'50	4♋35	8°27	22°23	16°10	10°32	19°56	23°57	6° 2	22°51	15°32	15° 9	14° 4	14°27	T 13
F 14	3 31 8	21°25'23	16°50	7°53	22°30	16°34	10°27	20° 3	23°59	6° 5	22°50	15°31	15° 6	14°11	14°25	F 14
S 15	3 35 4	22°25'58	29°18	7°30	22°35	16°57	10°23	20°10	24° 1	6° 7	22°49	15°30	15° 3	14°17	14°23	S 15
S 16	3 39 1	23°26'34	12♌ 4	7°18	22°38	17°20	10°19	20°17	24° 4	6° 9	22°48	15°30	15° 0	14°24	14°21	S 16
M17	3 42 57	24°27'13	25° 9	7°D18	22°R39	17°43	10°15	20°24	24° 6	6°11	22°46	15°D30	14°56	14°30	14°19	M17
T 18	3 46 54	25°27'53	8♍38	7°29	22°37	18° 5	10°12	20°31	24° 8	6°13	22°45	15°30	14°53	14°37	14°17	T 18
W19	3 50 50	26°28'34	22°31	7°49	22°33	18°27	10° 8	20°38	24°11	6°15	22°44	15°30	14°50	14°44	14°15	W19
T 20	3 54 47	27°29'18	6♎49	8°19	22°26	18°49	10° 5	20°45	24°13	6°18	22°43	15°31	14°47	14°50	14°13	T 20
F 21	3 58 44	28°30'02	21°29	8°57	22°16	19°10	10° 2	20°53	24°15	6°20	22°42	15°32	14°44	14°57	14°11	F 21
S 22	4 2 40	29°30'49	6♏27	9°41	22° 5	19°31	9°59	21° 0	24°17	6°22	22°41	15°33	14°41	15° 4	14° 9	S 22
S 23	4 6 37	0♐31'37	21°36	10°32	21°51	19°51	9°57	21° 7	24°19	6°24	22°40	15°R33	14°37	15°10	14° 7	S 23
M24	4 10 33	1°32'26	6♐47	11°29	21°34	20°11	9°54	21°14	24°21	6°26	22°39	15°32	14°34	15°17	14° 6	M24
T 25	4 14 30	2°33'17	21°49	12°31	21°15	20°31	9°52	21°21	24°23	6°28	22°37	15°31	14°31	15°24	14° 4	T 25
W26	4 18 26	3°34'08	6♑35	13°37	20°54	20°50	9°50	21°28	24°25	6°30	22°36	15°28	14°28	15°30	14° 2	W26
T 27	4 22 23	4°35'01	20°58	14°46	20°31	21° 9	9°48	21°35	24°27	6°32	22°35	15°26	14°25	15°37	14° 1	T 27
F 28	4 26 20	5°35'54	4♒53	15°59	20° 5	21°27	9°47	21°42	24°29	6°34	22°34	15°23	14°22	15°44	13°59	F 28
S 29	4 30 16	6°36'49	18°20	17°14	19°38	21°45	9°45	21°49	24°31	6°36	22°33	15°21	14°18	15°50	13°58	S 29
S 30	4 34 13	7♐37'44	1♓20	18♏32	19♐ 9	22♌ 2	9♈44	21♏56	24♍32	6♏38	22♉32	15♉20	14♉15	15♉57	13♈56	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s19	23s 0	5s16	20s 5	1s54	27s54	4s57	19n 4	1n38	3n 8	1s36	15s27	2n 0	3n18	0n44	11s46	1n45	4n57	14s 3	16n32	16n36	15n26	7n 7	1n19
S 2	14 38	19 4	5 15	19 37	1 39	27 56	4 56	18 58	1 40	3 6	1 35	15 29	2 0	3 17	0 44	11 47	1 45	4 57	14 3	16 32	16 35	15 29	7 5	1 19
M 3	14 57	14 22	5 0	19 6	1 22	27 57	4 55	18 52	1 41	3 4	1 35	15 31	2 0	3 16	0 44	11 48	1 45	4 57	14 3	16 32	16 34	15 32	7 4	1 19
T 4	15 16	9 11	4 30	18 31	1 4	27 58	4 53	18 46	1 43	3 2	1 35	15 33	2 0	3 15	0 44	11 48	1 45	4 56	14 3	16 32	16 33	15 34	7 3	1 19
W 5	15 35	3 44	3 49	17 52	0 45	27 58	4 51	18 40	1 44	2 59	1 35	15 35	1 59	3 14	0 44	11 49	1 45	4 56	14 3	16 32	16 32	15 37	7 2	1 19
T 6	15 53	1n47	2 59	17 11	0 25	27 57	4 49	18 34	1 46	2 57	1 35	15 37	1 59	3 12	0 44	11 50	1 45	4 56	14 3	16 32	16 31	15 40	7 1	1 19
F 7	16 11	7 12	2 1	16 28	0 4	27 56	4 47	18 28	1 47	2 55	1 34	15 39	1 59	3 11	0 44	11 50	1 45	4 56	14 3	16 32	16 30	15 43	7 0	1 19
S 8	16 29	12 20	0 58	15 44	0n17	27 55	4 44	18 22	1 49	2 54	1 34	15 41	1 59	3 10	0 44	11 51	1 45	4 55	14 3	16 32	16 30	15 46	6 59	1 18
S 9	16 46	17 2	0n 7	15 2	0 37	27 53	4 40	18 16	1 51	2 52	1 34	15 43	1 59	3 9	0 44	11 52	1 45	4 55	14 3	16 32	16 29	15 49	6 58	1 18
M10	17 3	21 5	1 13	14 21	0 56	27 50	4 37	18 10	1 52	2 50	1 34	15 45	1 59	3 8	0 44	11 53	1 45	4 55	14 3	16 32	16 28	15 51	6 57	1 18
T 11	17 20	24 18	2 15	13 44	1 14	27 47	4 32	18 4	1 54	2 48	1 33	15 47	1 59	3 7	0 44	11 53	1 45	4 55	14 3	16 32	16 27	15 54	6 56	1 18
W12	17 37	26 28	3 11	13 11	1 30	27 43	4 28	17 59	1 55	2 47	1 33	15 49	1 59	3 6	0 44	11 54	1 45	4 54	14 3	16 32	16 26	15 57	6 55	1 18
T 13	17 53	27 25	4 0	12 43	1 44	27 38	4 23	17 53	1 57	2 45	1 33	15 51	1 59	3 5	0 44	11 55	1 45	4 54	14 3	16 31	16 25	16 0	6 54	1 18
F 14	18 9	27 2	4 39	12 20	1 56	27 33	4 17	17 47	1 59	2 44	1 33	15 53	1 59	3 4	0 44	11 55	1 45	4 54	14 3	16 31	16 24	16 3	6 53	1 18
S 15	18 25	25 18	5 5	12 3	2 6	27 27	4 11	17 42	2 0	2 42	1 32	15 55	1 59	3 4	0 44	11 56	1 45	4 54	14 3	16 31	16 23	16 6	6 52	1 18
S 16	18 40	22 17	5 17	11 51	2 15	27 21	4 4	17 36	2 2	2 41	1 32	15 56	1 59	3 3	0 45	11 57	1 45	4 53	14 3	16 31	16 22	16 8	6 51	1 17
M17	18 55	18 4	5 13	11 45	2 21	27 14	3 57	17 31	2 4	2 40	1 32	15 58	1 59	3 2	0 45	11 58	1 45	4 53	14 3	16 31	16 21	16 11	6 50	1 17
T 18	19 10	12 51	4 52	11 45	2 25	27 6	3 49	17 26	2 6	2 39	1 31	16 0	1 59	3 1	0 45	11 58	1 45	4 53	14 3	16 31	16 20	16 14	6 49	1 17
W19	19 24	6 52	4 14	11 48	2 28	26 57	3 41	17 21	2 7	2 37	1 31	16 2	1 59	3 0	0 45	11 59	1 45	4 53	14 3	16 31	16 19	16 17	6 49	1 17
T 20	19 38	0 20	3 19	11 57	2 30	26 48	3 32	17 16	2 9	2 36	1 31	16 4	1 59	2 59	0 45	12 0	1 45	4 52	14 3	16 31	16 18	16 20	6 48	1 17
F 21	19 52	6s23	2 10	12 8	2 30	26 38	3 23	17 11	2 11	2 36	1 31	16 6	1 59	2 58	0 45	12 0	1 45	4 52	14 3	16 32	16 17	16 22	6 47	1 17
S 22	20 5	12 55	0 50	12 23	2 29	26 28	3 13	17 6	2 13	2 35	1 30	16 8	1 59	2 58	0 45	12 1	1 45	4 52	14 3	16 32	16 16	16 25	6 46	1 17
S 23	20 18	18 44	0s33	12 41	2 27	26 16	3 2	17 1	2 15	2 34	1 30	16 10	1 59	2 57	0 45	12 2	1 45	4 52	14 3	16 32	16 16	16 28	6 45	1 16
M24	20 31	23 22	1 55	13 2	2 24	26 4	2 51	16 56	2 16	2 33	1 30	16 11	1 59	2 56	0 45	12 2	1 45	4 52	14 3	16 32	16 15	16 31	6 44	1 16
T 25	20 43	26 21	3 8	13 24	2 20	25 51	2 40	16 52	2 18	2 33	1 29	16 13	1 59	2 55	0 45	12 3	1 45	4 51	14 3	16 31	16 14	16 34	6 44	1 16
W26	20 55	27 25	4 6	13 48	2 16	25 38	2 28	16 47	2 20	2 32	1 29	16 15	1 59	2 54	0 45	12 4	1 45	4 51	14 3	16 31	16 13	16 36	6 43	1 16
T 27	21 6	26 35	4 48	14 13	2 11	25 24	2 15	16 43	2 22	2 32	1 29	16 17	1 59	2 54	0 45	12 4	1 45	4 51	14 3	16 30	16 12	16 39	6 42	1 16
F 28	21 17	24 6	5 10	14 39	2 5	25 9	2 2	16 39	2 24	2 31	1 29	16 19	1 59	2 53	0 45	12 5	1 45	4 51	14 2	16 29	16 11	16 42	6 41	1 16
S 29	21 28	20 21	5 15	15 6	2 0	24 53	1 48	16 35	2 26	2 31	1 28	16 21	1 59	2 52	0 45	12 6	1 45	4 51	14 2	16 28	16 10	16 45	6 41	1 16
S 30	21s38	15s45	5s 4	15s34	1n53	24s37	1s34	16n31	2n28	2n31	1s28	16s22	1n59	2n52	0n45	12s 6	1n45	4n51	14s 2	16n28	16n 9	16n48	6n40	1n16

Julian Day Number = 2317074.5, Delta T = 56.51 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'06, Lahiri = 18°43'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1631
geocentric

DECEMBER 1631 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 38 9	8♐38'39	13♓57	19♏52	18°R38	22♌19	9°R43	22♏ 3	24♍34	6♏40	22°R31	15°D20	14♉12	16♉ 3	13°R55	M 1
T 2	4 42 6	9°39'36	26°15	21°14	18♐ 5	22°36	9♈42	22°10	24°35	6°42	22♉30	15♉21	14° 9	16°10	13♈54	T 2
W 3	4 46 2	10°40'33	8♈18	22°37	17°32	22°52	9°42	22°17	24°37	6°44	22°29	15°23	14° 6	16°17	13°52	W 3
T 4	4 49 59	11°41'31	20°12	24° 1	16°57	23° 7	9°41	22°24	24°39	6°46	22°28	15°25	14° 2	16°23	13°51	T 4
F 5	4 53 55	12°42'29	2♉ 0	25°26	16°21	23°22	9°D41	22°31	24°40	6°48	22°27	15°26	13°59	16°30	13°50	F 5
S 6	4 57 52	13°43'29	13°46	26°53	15°45	23°36	9°41	22°37	24°41	6°50	22°26	15°R27	13°56	16°37	13°49	S 6
S 7	5 1 49	14°44'29	25°35	28°20	15° 9	23°50	9°42	22°44	24°43	6°52	22°25	15°26	13°53	16°43	13°48	S 7
M 8	5 5 45	15°45'29	7♊28	29°47	14°32	24° 3	9°42	22°51	24°44	6°54	22°23	15°24	13°50	16°50	13°47	M 8
T 9	5 9 42	16°46'31	19°28	1♑16	13°56	24°16	9°43	22°58	24°45	6°55	22°22	15°21	13°47	16°57	13°46	T 9
W10	5 13 38	17°47'33	1♋36	2°45	13°20	24°28	9°44	23° 4	24°46	6°57	22°21	15°16	13°43	17° 3	13°45	W10
T 11	5 17 35	18°48'36	13°53	4°14	12°45	24°40	9°45	23°11	24°48	6°59	22°20	15°10	13°40	17°10	13°44	T 11
F 12	5 21 31	19°49'40	26°22	5°44	12°10	24°51	9°46	23°18	24°49	7° 1	22°19	15° 3	13°37	17°17	13°43	F 12
S 13	5 25 28	20°50'45	9♌ 2	7°14	11°37	25° 2	9°48	23°24	24°50	7° 3	22°18	14°57	13°34	17°23	13°43	S 13
S 14	5 29 24	21°51'50	21°56	8°45	11° 5	25°11	9°50	23°31	24°51	7° 4	22°18	14°52	13°31	17°30	13°42	S 14
M15	5 33 21	22°52'56	5♍ 4	10°16	10°35	25°21	9°52	23°38	24°52	7° 6	22°17	14°49	13°28	17°37	13°41	M15
T 16	5 37 18	23°54'03	18°28	11°47	10° 7	25°29	9°54	23°44	24°52	7° 8	22°16	14°D47	13°24	17°43	13°41	T 16
W17	5 41 14	24°55'11	2♎11	13°19	9°41	25°37	9°56	23°51	24°53	7° 9	22°15	14°47	13°21	17°50	13°40	W17
T 18	5 45 11	25°56'19	16°12	14°50	9°16	25°44	9°59	23°57	24°54	7°11	22°14	14°49	13°18	17°56	13°40	T 18
F 19	5 49 7	26°57'28	0♏31	16°22	8°54	25°51	10° 2	24° 3	24°55	7°13	22°13	14°50	13°15	18° 3	13°39	F 19
S 20	5 53 4	27°58'38	15° 8	17°55	8°34	25°57	10° 4	24°10	24°55	7°14	22°12	14°R51	13°12	18°10	13°39	S 20
S 21	5 57 0	28°59'48	29°56	19°27	8°17	26° 2	10° 8	24°16	24°56	7°16	22°11	14°50	13° 8	18°16	13°39	S 21
M22	6 0 57	0♑ 0'59	14♑51	21° 0	8° 2	26° 7	10°11	24°22	24°56	7°17	22°10	14°47	13° 5	18°23	13°39	M22
T 23	6 4 53	1° 2'11	29°44	22°33	7°49	26°10	10°15	24°28	24°57	7°19	22° 9	14°41	13° 2	18°30	13°39	T 23
W24	6 8 50	2° 3'22	14♑27	24° 6	7°39	26°13	10°18	24°35	24°57	7°20	22° 9	14°34	12°59	18°36	13°38	W24
T 25	6 12 47	3° 4'34	28°52	25°40	7°31	26°16	10°22	24°41	24°57	7°22	22° 8	14°26	12°56	18°43	13°D38	T 25
F 26	6 16 43	4° 5'45	12♒53	27°14	7°26	26°17	10°26	24°47	24°58	7°23	22° 7	14°17	12°53	18°50	13°38	F 26
S 27	6 20 40	5° 6'57	26°27	28°48	7°23	26°18	10°31	24°53	24°58	7°25	22° 6	14°10	12°49	18°56	13°39	S 27
S 28	6 24 36	6° 8'08	9♓34	0♑22	7°D23	26°R18	10°35	24°59	24°58	7°26	22° 5	14° 5	12°46	19° 3	13°39	S 28
M29	6 28 33	7° 9'19	22°15	1°57	7°25	26°17	10°40	25° 5	24°58	7°27	22° 5	14° 1	12°43	19°10	13°39	M29
T 30	6 32 29	8°10'29	4♈36	3°32	7°29	26°16	10°45	25°11	24°R58	7°29	22° 4	14°D 0	12°40	19°16	13°39	T 30
W31	6 36 26	9♑11'39	16♈40	5♑ 8	7♑36	26♌14	10♈50	25♏16	24♍58	7♏30	22♉ 3	14♉ 0	12♉37	19♉23	13♈40	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s47	10s35	4s37	16s 2	1n47	24s20	1s20	16n28	2n30	2n31	1s28	16s24	1n59	2n51	0n45	12s 7	1n45	4n50	14s 2	16n28	16n 8	16n50	6n39	1n15
T 2	21 57	5 9	3 59	16 30	1 40	24 2	1 5	16 24	2 32	2 31	1 27	16 26	1 59	2 51	0 45	12 7	1 45	4 50	14 2	16 28	16 7	16 53	6 39	1 15
W 3	22 6	0n23	3 11	16 58	1 33	23 44	0 50	16 21	2 34	2 31	1 27	16 28	1 59	2 50	0 45	12 8	1 45	4 50	14 2	16 29	16 6	16 56	6 38	1 15
T 4	22 14	5 50	2 15	17 25	1 26	23 25	0 35	16 18	2 36	2 31	1 27	16 29	1 59	2 49	0 45	12 9	1 45	4 50	14 2	16 29	16 5	16 59	6 38	1 15
F 5	22 22	11 3	1 13	17 53	1 19	23 6	0 19	16 15	2 38	2 31	1 26	16 31	1 59	2 49	0 45	12 9	1 45	4 50	14 2	16 30	16 4	17 1	6 37	1 15
S 6	22 30	15 52	0 9	18 20	1 12	22 47	0 4	16 12	2 40	2 32	1 26	16 33	1 59	2 48	0 45	12 10	1 45	4 50	14 1	16 30	16 3	17 4	6 36	1 15
S 7	22 37	20 6	0n55	18 47	1 4	22 28	0n12	16 9	2 42	2 32	1 26	16 34	1 59	2 48	0 45	12 10	1 45	4 50	14 1	16 30	16 2	17 7	6 36	1 15
M 8	22 44	23 32	1 58	19 13	0 57	22 8	0 28	16 7	2 44	2 33	1 25	16 36	1 59	2 47	0 45	12 11	1 46	4 50	14 1	16 29	16 1	17 10	6 35	1 14
T 9	22 50	25 59	2 56	19 39	0 49	21 48	0 43	16 4	2 46	2 33	1 25	16 38	1 59	2 47	0 45	12 11	1 46	4 50	14 1	16 28	16 0	17 12	6 35	1 14
W10	22 56	27 15	3 46	20 4	0 42	21 29	0 59	16 2	2 49	2 34	1 25	16 39	1 59	2 47	0 45	12 12	1 46	4 49	14 1	16 27	15 59	17 15	6 34	1 14
T 11	23 1	27 11	4 26	20 28	0 34	21 9	1 14	16 0	2 51	2 35	1 25	16 41	1 59	2 46	0 45	12 13	1 46	4 49	14 1	16 25	15 58	17 18	6 34	1 14
F 12	23 6	25 45	4 55	20 52	0 27	20 50	1 29	15 59	2 53	2 35	1 24	16 43	1 59	2 46	0 45	12 13	1 46	4 49	14 1	16 23	15 58	17 21	6 33	1 14
S 13	23 10	23 0	5 9	21 14	0 20	20 31	1 43	15 57	2 55	2 36	1 24	16 44	1 59	2 45	0 46	12 14	1 46	4 49	14 0	16 21	15 57	17 23	6 33	1 14
S 14	23 14	19 5	5 9	21 36	0 12	20 13	1 57	15 56	2 57	2 37	1 24	16 46	1 59	2 45	0 46	12 14	1 46	4 49	14 0	16 20	15 56	17 26	6 33	1 14
M15	23 18	14 12	4 52	21 57	0 5	19 55	2 11	15 55	3 0	2 38	1 23	16 47	2 0	2 45	0 46	12 15	1 46	4 49	14 0	16 19	15 55	17 29	6 32	1 13
T 16	23 21	8 32	4 19	22 17	0s 2	19 38	2 25	15 54	3 2	2 39	1 23	16 49	2 0	2 44	0 46	12 15	1 46	4 49	14 0	16 18	15 54	17 31	6 32	1 13
W17	23 23	2 21	3 31	22 35	0 9	19 21	2 37	15 53	3 4	2 41	1 23	16 50	2 0	2 44	0 46	12 16	1 46	4 49	14 0	16 18	15 53	17 34	6 32	1 13
T 18	23 26	4s 5	2 29	22 53	0 16	19 5	2 50	15 53	3 6	2 42	1 22	16 52	2 0	2 44	0 46	12 16	1 46	4 49	13 59	16 19	15 52	17 37	6 31	1 13
F 19	23 27	10 29	1 17	23 10	0 23	18 50	3 2	15 53	3 9	2 43	1 22	16 53	2 0	2 44	0 46	12 17	1 46	4 49	13 59	16 19	15 51	17 40	6 31	1 13
S 20	23 28	16 26	0s 2	23 25	0 29	18 36	3 13	15 53	3 11	2 45	1 22	16 55	2 0	2 43	0 46	12 17	1 46	4 49	13 59	16 19	15 50	17 42	6 31	1 13
S 21	23 29	21 30	1 21	23 40	0 36	18 23	3 23	15 54	3 13	2 46	1 21	16 56	2 0	2 43	0 46	12 18	1 46	4 49	13 59	16 19	15 49	17 45	6 31	1 12
M22	23 29	25 12	2 35	23 53	0 42	18 11	3 34	15 54	3 16	2 48	1 21	16 58	2 0	2 43	0 46	12 18	1 46	4 49	13 59	16 18	15 48	17 48	6 30	1 12
T 23	23 29	27 8	3 39	24 5	0 48	17 59	3 43	15 55	3 18	2 49	1 21	16 59	2 0	2 43	0 46	12 19	1 46	4 49	13 58	16 17	15 47	17 50	6 30	1 12
W24	23 28	27 7	4 26	24 16	0 54	17 49	3 52	15 56	3 20	2 51	1 21	17 1	2 0	2 43	0 46	12 19	1 46	4 49	13 58	16 15	15 46	17 53	6 30	1 12
T 25	23 27	25 16	4 56	24 25	1 0	17 40	4 0	15 58	3 23	2 53	1 20	17 2	2 0	2 43	0 46	12 19	1 46	4 49	13 58	16 12	15 45	17 56	6 30	1 12
F 26	23 26	21 53	5 7	24 34	1 6	17 31	4 8	15 59	3 25	2 55	1 20	17 3	2 0	2 43	0 46	12 20	1 46	4 49	13 58	16 10	15 44	17 58	6 30	1 12
S 27	23 23	17 26	5 1	24 41	1 12	17 24	4 15	16 1	3 27	2 57	1 20	17 5	2 0	2 43	0 46	12 20	1 46	4 49	13 58	16 7	15 43	18 1	6 30	1 12
S 28	23 21	12 17	4 38	24 46	1 17	17 17	4 22	16 3	3 30	2 59	1 19	17 6	2 0	2 43	0 46	12 21	1 46	4 49	13 57	16 6	15 42	18 4	6 30	1 11
M29	23 18	6 47	4 2	24 50	1 22	17 11	4 28	16 6	3 32	3 1	1 19	17 8	2 1	2 43	0 46	12 21	1 46	4 49	13 57	16 5	15 41	18 6	6 29	1 11
T 30	23 14	1 10	3 16	24 53	1 27	17 6	4 33	16 9	3 34	3 3	1 19	17 9	2 1	2 43	0 46	12 21	1 47	4 49	13 57	16 4	15 40	18 9	6 29	1 11
W31	23s10	4n23	2s22	24s55	1s31	17s 3	4n39	16n12	3n37	3n 6	1s18	17s10	2n 1	2n43	0n46	12s22	1n47	4n49	13s57	16n 4	15n39	18n12	6n29	1n11

Julian Day Number = 2317104.5, Delta T = 56.44 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'10, Lahiri = 18°43'11Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1632
geocentric

JANUARY 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 23	10♉12'49	28♈32	6♉44	7♐45	26°R11	10♈55	25♏22	24°R58	7♏31	22°R 2	14♉ 1	12♉34	19♉30	13♈40	T 1
F 2	6 44 19	11°13'59	10♉20	8°20	7°57	26♌ 7	11° 1	25°28	24♍58	7°33	22♉ 2	14°R 2	12°30	19°36	13°40	F 2
S 3	6 48 16	12°15'08	22° 6	9°57	8°10	26° 2	11° 6	25°34	24°58	7°34	22° 1	14° 1	12°27	19°43	13°41	S 3
S 4	6 52 12	13°16'17	3♊57	11°34	8°26	25°56	11°12	25°39	24°58	7°35	22° 0	13°59	12°24	19°49	13°41	S 4
M 5	6 56 9	14°17'25	15°56	13°11	8°43	25°50	11°18	25°45	24°58	7°36	22° 0	13°54	12°21	19°56	13°42	M 5
T 6	7 0 5	15°18'33	28° 5	14°49	9° 3	25°43	11°24	25°50	24°57	7°37	21°59	13°47	12°18	20° 3	13°43	T 6
W 7	7 4 2	16°19'41	10♋27	16°28	9°25	25°35	11°31	25°56	24°57	7°38	21°58	13°37	12°14	20° 9	13°43	W 7
T 8	7 7 58	17°20'48	23° 1	18° 7	9°48	25°27	11°37	26° 1	24°56	7°39	21°58	13°25	12°11	20°16	13°44	T 8
F 9	7 11 55	18°21'55	5♌50	19°46	10°13	25°17	11°44	26° 6	24°56	7°40	21°57	13°13	12° 8	20°23	13°45	F 9
S 10	7 15 52	19°23'01	18°50	21°26	10°40	25° 7	11°50	26°11	24°55	7°41	21°57	13° 2	12° 5	20°29	13°46	S 10
S 11	7 19 48	20°24'07	2♍ 3	23° 6	11° 9	24°56	11°57	26°16	24°55	7°42	21°56	12°51	12° 2	20°36	13°47	S 11
M12	7 23 45	21°25'13	15°26	24°47	11°39	24°44	12° 5	26°22	24°54	7°43	21°56	12°44	11°59	20°43	13°48	M12
T 13	7 27 41	22°26'18	29° 0	26°28	12°11	24°31	12°12	26°27	24°53	7°44	21°55	12°39	11°55	20°49	13°49	T 13
W14	7 31 38	23°27'23	12♎43	28°10	12°45	24°18	12°19	26°31	24°53	7°45	21°55	12°37	11°52	20°56	13°50	W14
T 15	7 35 34	24°28'28	26°38	29°52	13°19	24° 3	12°27	26°36	24°52	7°46	21°54	12°D36	11°49	21° 3	13°51	T 15
F 16	7 39 31	25°29'32	10♏43	1♒35	13°56	23°48	12°35	26°41	24°51	7°47	21°54	12°R36	11°46	21° 9	13°53	F 16
S 17	7 43 27	26°30'37	24°58	3°18	14°33	23°33	12°43	26°46	24°50	7°48	21°53	12°36	11°43	21°16	13°54	S 17
S 18	7 47 24	27°31'40	9♐21	5° 2	15°12	23°16	12°51	26°50	24°49	7°48	21°53	12°34	11°40	21°23	13°55	S 18
M19	7 51 21	28°32'44	23°49	6°45	15°52	22°59	12°59	26°55	24°48	7°49	21°53	12°28	11°36	21°29	13°57	M19
T 20	7 55 17	29°33'46	8♑18	8°29	16°33	22°41	13° 7	27° 0	24°47	7°50	21°52	12°20	11°33	21°36	13°58	T 20
W21	7 59 14	0♒34'48	22°41	10°13	17°15	22°23	13°16	27° 4	24°46	7°50	21°52	12°10	11°30	21°42	14° 0	W21
T 22	8 3 10	1°35'49	6♒51	11°57	17°59	22° 4	13°24	27° 8	24°44	7°51	21°52	11°57	11°27	21°49	14° 1	T 22
F 23	8 7 7	2°36'49	20°44	13°41	18°43	21°44	13°33	27°13	24°43	7°51	21°51	11°44	11°24	21°56	14° 3	F 23
S 24	8 11 3	3°37'48	4♓14	15°25	19°28	21°24	13°42	27°17	24°42	7°52	21°51	11°33	11°20	22° 2	14° 5	S 24
S 25	8 15 0	4°38'46	17°21	17° 8	20°15	21° 3	13°51	27°21	24°41	7°52	21°51	11°23	11°17	22° 9	14° 6	S 25
M26	8 18 56	5°39'43	0♈ 4	18°50	21° 2	20°42	14° 0	27°25	24°39	7°53	21°51	11°16	11°14	22°16	14° 8	M26
T 27	8 22 53	6°40'38	12°27	20°32	21°50	20°20	14°10	27°29	24°38	7°53	21°50	11°12	11°11	22°22	14°10	T 27
W28	8 26 50	7°41'32	24°33	22°12	22°39	19°58	14°19	27°33	24°36	7°54	21°50	11°10	11° 8	22°29	14°12	W28
T 29	8 30 46	8°42'25	6♉27	23°51	23°28	19°35	14°29	27°36	24°35	7°54	21°50	11° 9	11° 5	22°36	14°14	T 29
F 30	8 34 43	9°43'16	18°16	25°27	24°19	19°12	14°38	27°40	24°33	7°54	21°50	11° 9	11° 1	22°42	14°16	F 30
S 31	8 38 39	10♒44'06	0♊ 3	27♒ 1	25♐10	18♌49	14♈48	27♏44	24♍32	7♏55	21♉50	11♉ 8	10♉58	22♉49	14♈18	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 6	9n42	1s22	24s55	1s36	16s59	4n43	16n15	3n39	3n 8	1s18	17s11	2n 1	2n43	0n46	12s22	1n47	4n49	13s56	16n 5	15n38	18n14	6n29	1n11
F 2	23 1	14 38	0 20	24 53	1 40	16 57	4 47	16 18	3 41	3 10	1 18	17 13	2 1	2 43	0 46	12 22	1 47	4 49	13 56	16 5	15 37	18 17	6 30	1 11
S 3	22 55	19 2	0n43	24 50	1 44	16 56	4 51	16 22	3 44	3 13	1 18	17 14	2 1	2 43	0 46	12 23	1 47	4 49	13 56	16 5	15 36	18 20	6 30	1 11
S 4	22 50	22 42	1 45	24 46	1 47	16 55	4 54	16 26	3 46	3 15	1 17	17 15	2 1	2 43	0 46	12 23	1 47	4 50	13 56	16 4	15 35	18 22	6 30	1 10
M 5	22 43	25 26	2 42	24 40	1 51	16 55	4 57	16 31	3 48	3 18	1 17	17 16	2 1	2 43	0 46	12 23	1 47	4 50	13 55	16 3	15 34	18 25	6 30	1 10
T 6	22 36	27 1	3 33	24 33	1 54	16 56	4 59	16 35	3 51	3 21	1 17	17 17	2 1	2 43	0 47	12 24	1 47	4 50	13 55	16 0	15 33	18 28	6 30	1 10
W 7	22 29	27 18	4 14	24 24	1 57	16 57	5 1	16 40	3 53	3 23	1 16	17 19	2 1	2 43	0 47	12 24	1 47	4 50	13 55	15 58	15 33	18 30	6 30	1 10
T 8	22 22	26 11	4 44	24 13	1 59	16 59	5 3	16 45	3 55	3 26	1 16	17 20	2 2	2 44	0 47	12 24	1 47	4 50	13 55	15 54	15 32	18 33	6 30	1 10
F 9	22 14	23 42	5 0	24 1	2 1	17 1	5 4	16 50	3 57	3 29	1 16	17 21	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 50	15 31	18 36	6 30	1 10
S 10	22 5	19 58	5 1	23 48	2 3	17 4	5 5	16 56	4 0	3 32	1 16	17 22	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 47	15 30	18 38	6 31	1 10
S 11	21 56	15 13	4 46	23 32	2 4	17 7	5 5	17 2	4 2	3 35	1 15	17 23	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 44	15 29	18 41	6 31	1 9
M12	21 47	9 40	4 15	23 16	2 5	17 11	5 5	17 8	4 4	3 38	1 15	17 24	2 2	2 45	0 47	12 25	1 47	4 51	13 53	15 41	15 28	18 43	6 31	1 9
T 13	21 37	3 36	3 30	22 57	2 5	17 15	5 5	17 14	4 6	3 41	1 15	17 25	2 2	2 45	0 47	12 26	1 47	4 51	13 53	15 40	15 27	18 46	6 31	1 9
W14	21 27	2s43	2 32	22 37	2 5	17 20	5 5	17 21	4 8	3 44	1 15	17 26	2 2	2 45	0 47	12 26	1 47	4 51	13 53	15 39	15 26	18 49	6 32	1 9
T 15	21 16	8 59	1 24	22 15	2 5	17 25	5 4	17 27	4 10	3 47	1 14	17 27	2 2	2 46	0 47	12 26	1 47	4 51	13 53	15 39	15 25	18 51	6 32	1 9
F 16	21 5	14 54	0 10	21 52	2 4	17 30	5 4	17 34	4 12	3 51	1 14	17 28	2 3	2 46	0 47	12 26	1 47	4 51	13 52	15 39	15 24	18 54	6 32	1 9
S 17	20 54	20 6	1s 5	21 27	2 3	17 35	5 2	17 41	4 14	3 54	1 14	17 29	2 3	2 47	0 47	12 26	1 48	4 51	13 52	15 39	15 23	18 56	6 33	1 9
S 18	20 42	24 9	2 17	21 0	2 1	17 41	5 1	17 48	4 15	3 57	1 13	17 30	2 3	2 47	0 47	12 27	1 48	4 52	13 52	15 38	15 22	18 59	6 33	1 8
M19	20 30	26 40	3 20	20 32	1 59	17 46	4 59	17 56	4 17	4 1	1 13	17 31	2 3	2 47	0 47	12 27	1 48	4 52	13 51	15 37	15 21	19 2	6 34	1 8
T 20	20 17	27 23	4 10	20 2	1 56	17 52	4 58	18 3	4 19	4 4	1 13	17 32	2 3	2 48	0 47	12 27	1 48	4 52	13 51	15 34	15 20	19 4	6 34	1 8
W21	20 4	26 14	4 44	19 31	1 52	17 58	4 56	18 11	4 20	4 8	1 13	17 33	2 3	2 48	0 47	12 27	1 48	4 52	13 51	15 31	15 19	19 7	6 35	1 8
T 22	19 51	23 25	4 59	18 58	1 48	18 4	4 53	18 19	4 22	4 11	1 12	17 34	2 3	2 49	0 47	12 27	1 48	4 52	13 51	15 27	15 18	19 9	6 35	1 8
F 23	19 37	19 18	4 57	18 24	1 43	18 11	4 51	18 26	4 23	4 15	1 12	17 34	2 3	2 49	0 47	12 27	1 48	4 53	13 50	15 23	15 17	19 12	6 36	1 8
S 24	19 23	14 17	4 38	17 48	1 38	18 17	4 48	18 34	4 25	4 19	1 12	17 35	2 4	2 50	0 47	12 28	1 48	4 53	13 50	15 20	15 16	19 14	6 36	1 8
S 25	19 8	8 45	4 4	17 11	1 32	18 23	4 46	18 42	4 26	4 22	1 12	17 36	2 4	2 51	0 47	12 28	1 48	4 53	13 50	15 17	15 15	19 17	6 37	1 8
M26	18 54	3 1	3 19	16 33	1 25	18 29	4 43	18 50	4 27	4 26	1 11	17 37	2 4	2 51	0 47	12 28	1 48	4 53	13 49	15 14	15 14	19 20	6 37	1 7
T 27	18 39	2n42	2 26	15 54	1 17	18 35	4 40	18 58	4 28	4 30	1 11	17 37	2 4	2 52	0 47	12 28	1 48	4 54	13 49	15 13	15 13	19 22	6 38	1 7
W28	18 23	8 11	1 27	15 13	1 9	18 41	4 36	19 7	4 29	4 34	1 11	17 38	2 4	2 52	0 47	12 28	1 48	4 54	13 49	15 13	15 12	19 25	6 38	1 7
T 29	18 7	13 18	0 25	14 32	1 0	18 47	4 33	19 15	4 30	4 38	1 11	17 39	2 4	2 53	0 47	12 28	1 48	4 54	13 48	15 12	15 11	19 27	6 39	1 7
F 30	17 51	17 54	0n38	13 51	0 50	18 53	4 30	19 23	4 31	4 42	1 11	17 40	2 5	2 54	0 47	12 28	1 48	4 54	13 48	15 12	15 10	19 30	6 40	1 7
S 31	17s35	21n48	1n38	13s 9	0s39	18s58	4n26	19n31	4n32	4n46	1s10	17s40	2n 5	2n54	0n47	12s28	1n48	4n55	13s48	15n12	15n 9	19n32	6n40	1n 7

Julian Day Number = 2317135.5, Delta T = 56.38 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'14, Lahiri = 18°43'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

FEBRUARY 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 36	11♒44'54	11♊56	28♒32	26♐ 2	18°R26	14♈58	27♏47	24°R30	7♏55	21°R50	11°R 6	10♉55	22♉56	14♈20	S 1
M 2	8 46 32	12°45'41	23°58	29°59	26°55	18♌ 2	15° 8	27°51	24♍28	7°55	21♉50	11♉ 0	10°52	23° 2	14°22	M 2
T 3	8 50 29	13°46'27	6♋15	1♓22	27°48	17°39	15°18	27°54	24°27	7°55	21°50	10°52	10°49	23° 9	14°24	T 3
W 4	8 54 25	14°47'11	18°47	2°40	28°42	17°15	15°29	27°57	24°25	7°56	21°50	10°42	10°46	23°16	14°26	W 4
T 5	8 58 22	15°47'54	1♌38	3°52	29°37	16°51	15°39	28° 0	24°23	7°56	21°D50	10°29	10°42	23°22	14°29	T 5
F 6	9 2 19	16°48'35	14°46	4°58	0♑32	16°27	15°50	28° 3	24°21	7°56	21°50	10°15	10°39	23°29	14°31	F 6
S 7	9 6 15	17°49'15	28°10	5°57	1°27	16° 3	16° 0	28° 6	24°19	7°56	21°50	10° 2	10°36	23°35	14°33	S 7
S 8	9 10 12	18°49'53	11♍48	6°48	2°24	15°39	16°11	28° 9	24°17	7°R56	21°50	9°51	10°33	23°42	14°36	S 8
M 9	9 14 8	19°50'30	25°35	7°30	3°20	15°15	16°22	28°12	24°15	7°56	21°50	9°42	10°30	23°49	14°38	M 9
T 10	9 18 5	20°51'06	9♎31	8° 3	4°18	14°52	16°33	28°15	24°13	7°56	21°50	9°36	10°26	23°55	14°40	T 10
W11	9 22 1	21°51'40	23°30	8°27	5°16	14°28	16°44	28°17	24°11	7°56	21°50	9°34	10°23	24° 2	14°43	W11
T 12	9 25 58	22°52'13	7♏33	8°40	6°14	14° 5	16°55	28°20	24° 9	7°56	21°50	9°D33	10°20	24° 9	14°46	T 12
F 13	9 29 54	23°52'46	21°38	8°R43	7°13	13°42	17° 6	28°22	24° 7	7°56	21°50	9°R33	10°17	24°15	14°48	F 13
S 14	9 33 51	24°53'16	5♐43	8°36	8°12	13°19	17°18	28°24	24° 5	7°55	21°51	9°33	10°14	24°22	14°51	S 14
S 15	9 37 48	25°53'46	19°49	8°19	9°11	12°57	17°29	28°27	24° 3	7°55	21°51	9°31	10°11	24°29	14°53	S 15
M16	9 41 44	26°54'15	3♑54	7°51	10°11	12°35	17°41	28°29	24° 1	7°55	21°51	9°26	10° 7	24°35	14°56	M16
T 17	9 45 41	27°54'42	17°55	7°15	11°12	12°14	17°53	28°31	23°58	7°55	21°51	9°19	10° 4	24°42	14°59	T 17
W18	9 49 37	28°55'07	1♒50	6°31	12°13	11°53	18° 4	28°33	23°56	7°54	21°52	9° 9	10° 1	24°49	15° 2	W18
T 19	9 53 34	29°55'31	15°35	5°40	13°14	11°33	18°16	28°35	23°54	7°54	21°52	8°57	9°58	24°55	15° 5	T 19
F 20	9 57 30	0♓55'53	29° 6	4°43	14°15	11°13	18°28	28°36	23°51	7°54	21°52	8°45	9°55	25° 2	15° 7	F 20
S 21	10 1 27	1°56'14	12♓20	3°43	15°17	10°54	18°40	28°38	23°49	7°53	21°52	8°34	9°52	25° 9	15°10	S 21
S 22	10 5 23	2°56'33	25°16	2°39	16°19	10°35	18°52	28°39	23°47	7°53	21°53	8°25	9°48	25°15	15°13	S 22
M23	10 9 20	3°56'50	7♈53	1°35	17°21	10°17	19° 4	28°41	23°44	7°52	21°53	8°18	9°45	25°22	15°16	M23
T 24	10 13 17	4°57'04	20°13	0°32	18°24	10° 0	19°16	28°42	23°42	7°52	21°54	8°14	9°42	25°29	15°19	T 24
W25	10 17 13	5°57'17	2♉18	29♒30	19°27	9°43	19°29	28°43	23°39	7°51	21°54	8°12	9°39	25°35	15°22	W25
T 26	10 21 10	6°57'28	14°13	28°32	20°30	9°27	19°41	28°45	23°37	7°51	21°54	8°D12	9°36	25°42	15°25	T 26
F 27	10 25 6	7°57'37	26° 2	27°38	21°34	9°12	19°54	28°46	23°35	7°50	21°55	8°13	9°32	25°48	15°29	F 27
S 28	10 29 3	8°57'44	7♊50	26°50	22°38	8°57	20° 6	28°46	23°32	7°49	21°55	8°R13	9°29	25°55	15°32	S 28
S 29	10 32 59	9♓57'49	19♊44	26♒ 7	23♑42	8♌44	20♈19	28♏47	23♍30	7♏49	21♉56	8♉13	9♉26	26♉ 2	15♈35	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s18	24n50	2n35	12s26	0s27	19s 4	4n22	19n39	4n32	4n50	1s10	17s41	2n 5	2n55	0n47	12s28	1n48	4n55	13s47	15n11	15n 8	19n35	6n41	1n 7
M 2	17 1	26 47	3 26	11 44	0 15	19 9	4 18	19 47	4 33	4 54	1 10	17 41	2 5	2 56	0 47	12 28	1 49	4 55	13 47	15 10	15 7	19 37	6 42	1 6
T 3	16 44	27 28	4 8	11 3	0 2	19 14	4 14	19 54	4 33	4 58	1 10	17 42	2 5	2 56	0 48	12 28	1 49	4 56	13 47	15 7	15 6	19 40	6 42	1 6
W 4	16 26	26 46	4 39	10 22	0n12	19 19	4 10	20 2	4 33	5 2	1 9	17 43	2 5	2 57	0 48	12 28	1 49	4 56	13 46	15 4	15 5	19 42	6 43	1 6
T 5	16 8	24 39	4 57	9 42	0 26	19 23	4 6	20 10	4 33	5 7	1 9	17 43	2 5	2 58	0 48	12 28	1 49	4 56	13 46	15 0	15 4	19 45	6 44	1 6
F 6	15 50	21 12	4 59	9 4	0 41	19 27	4 2	20 17	4 34	5 11	1 9	17 44	2 6	2 59	0 48	12 28	1 49	4 56	13 46	14 56	15 3	19 47	6 45	1 6
S 7	15 31	16 36	4 45	8 28	0 56	19 31	3 58	20 24	4 33	5 15	1 9	17 44	2 6	2 59	0 48	12 28	1 49	4 57	13 46	14 51	15 2	19 50	6 46	1 6
S 8	15 13	11 5	4 15	7 55	1 12	19 35	3 53	20 31	4 33	5 19	1 9	17 45	2 6	3 0	0 48	12 28	1 49	4 57	13 45	14 48	15 1	19 52	6 46	1 6
M 9	14 54	4 58	3 30	7 24	1 28	19 38	3 49	20 38	4 33	5 24	1 8	17 45	2 6	3 1	0 48	12 28	1 49	4 57	13 45	14 45	15 0	19 55	6 47	1 6
T 10	14 34	1s27	2 32	6 57	1 45	19 41	3 44	20 45	4 33	5 28	1 8	17 45	2 6	3 2	0 48	12 28	1 49	4 58	13 45	14 43	14 59	19 57	6 48	1 5
W11	14 15	7 51	1 24	6 33	2 1	19 44	3 39	20 51	4 32	5 33	1 8	17 46	2 6	3 3	0 48	12 28	1 49	4 58	13 44	14 42	14 58	20 0	6 49	1 5
T 12	13 55	13 54	0 11	6 14	2 16	19 46	3 35	20 58	4 31	5 37	1 8	17 46	2 7	3 3	0 48	12 28	1 49	4 58	13 44	14 42	14 57	20 2	6 50	1 5
F 13	13 35	19 14	1s 4	5 59	2 31	19 48	3 30	21 4	4 31	5 42	1 8	17 47	2 7	3 4	0 48	12 27	1 49	4 59	13 44	14 42	14 56	20 5	6 51	1 5
S 14	13 15	23 30	2 14	5 48	2 46	19 49	3 25	21 10	4 30	5 46	1 7	17 47	2 7	3 5	0 48	12 27	1 49	4 59	13 43	14 42	14 55	20 7	6 52	1 5
S 15	12 55	26 21	3 16	5 42	2 59	19 50	3 20	21 15	4 29	5 51	1 7	17 47	2 7	3 6	0 48	12 27	1 49	5 0	13 43	14 41	14 54	20 10	6 53	1 5
M16	12 34	27 32	4 6	5 41	3 11	19 51	3 15	21 21	4 28	5 55	1 7	17 48	2 7	3 7	0 48	12 27	1 49	5 0	13 43	14 40	14 53	20 12	6 53	1 5
T 17	12 13	26 56	4 41	5 45	3 22	19 51	3 10	21 26	4 27	6 0	1 7	17 48	2 7	3 8	0 48	12 27	1 49	5 0	13 42	14 38	14 52	20 15	6 54	1 5
W18	11 52	24 39	4 59	5 53	3 30	19 51	3 5	21 31	4 26	6 5	1 7	17 48	2 8	3 9	0 48	12 27	1 50	5 1	13 42	14 34	14 51	20 17	6 55	1 4
T 19	11 31	20 58	5 0	6 5	3 37	19 50	3 0	21 35	4 24	6 9	1 6	17 48	2 8	3 10	0 48	12 27	1 50	5 1	13 42	14 31	14 50	20 20	6 56	1 4
F 20	11 10	16 14	4 43	6 21	3 42	19 49	2 55	21 39	4 23	6 14	1 6	17 49	2 8	3 11	0 48	12 26	1 50	5 1	13 41	14 27	14 49	20 22	6 57	1 4
S 21	10 48	10 49	4 12	6 41	3 44	19 48	2 50	21 43	4 22	6 19	1 6	17 49	2 8	3 12	0 48	12 26	1 50	5 2	13 41	14 23	14 48	20 25	6 58	1 4
S 22	10 27	5 4	3 28	7 3	3 44	19 45	2 45	21 47	4 20	6 23	1 6	17 49	2 8	3 13	0 48	12 26	1 50	5 2	13 41	14 20	14 47	20 27	6 59	1 4
M23	10 5	0n46	2 34	7 28	3 42	19 43	2 40	21 51	4 19	6 28	1 6	17 49	2 9	3 14	0 48	12 26	1 50	5 3	13 40	14 18	14 46	20 29	7 0	1 4
T 24	9 43	6 27	1 35	7 54	3 38	19 40	2 35	21 54	4 17	6 33	1 6	17 49	2 9	3 14	0 48	12 26	1 50	5 3	13 40	14 17	14 45	20 32	7 2	1 4
W25	9 21	11 48	0 31	8 21	3 32	19 36	2 30	21 57	4 15	6 38	1 5	17 49	2 9	3 15	0 48	12 25	1 50	5 3	13 40	14 16	14 44	20 34	7 3	1 4
T 26	8 59	16 39	0n32	8 49	3 24	19 32	2 25	21 59	4 13	6 43	1 5	17 49	2 9	3 16	0 48	12 25	1 50	5 4	13 40	14 16	14 43	20 37	7 4	1 4
F 27	8 36	20 50	1 34	9 16	3 15	19 28	2 19	22 2	4 11	6 47	1 5	17 49	2 9	3 17	0 48	12 25	1 50	5 4	13 39	14 16	14 42	20 39	7 5	1 3
S 28	8 14	24 10	2 32	9 43	3 4	19 23	2 14	22 4	4 10	6 52	1 5	17 49	2 9	3 18	0 48	12 25	1 50	5 5	13 39	14 17	14 41	20 42	7 6	1 3
S 29	7s51	26n28	3n24	10s 8	2n52	19s17	2n 9	22n 6	4n 8	6n57	1s 5	17s49	2n10	3n19	0n48	12s24	1n50	5n 5	13s39	14n16	14n40	20n44	7n 7	1n 3

Julian Day Number = 2317166.5, Delta T = 56.31 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'19, Lahiri = 18°43'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

MARCH 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 36 56	10♓57'51	1♋47	25°R31	24♑46	8°R31	20♈32	28♏48	23°R27	7°R48	21♉56	8°R10	9♉23	26♉ 8	15♈38	M 1
T 2	10 40 52	11°57'52	14° 6	25♒ 1	25°51	8♌18	20°44	28°49	23♍25	7♏47	21°57	8♉ 6	9°20	26°15	15°41	T 2
W 3	10 44 49	12°57'50	26°43	24°38	26°56	8° 7	20°57	28°49	23°22	7°47	21°58	7°59	9°17	26°22	15°45	W 3
T 4	10 48 46	13°57'46	9♌42	24°22	28° 1	7°56	21°10	28°50	23°19	7°46	21°58	7°50	9°13	26°28	15°48	T 4
F 5	10 52 42	14°57'40	23° 3	24°12	29° 6	7°46	21°23	28°50	23°17	7°45	21°59	7°41	9°10	26°35	15°51	F 5
S 6	10 56 39	15°57'32	6♍45	24°D 9	0♒11	7°37	21°36	28°50	23°14	7°44	21°59	7°32	9° 7	26°42	15°54	S 6
S 7	11 0 35	16°57'22	20°45	24°12	1°17	7°29	21°49	28°50	23°12	7°43	22° 0	7°24	9° 4	26°48	15°58	S 7
M 8	11 4 32	17°57'10	5♎ 0	24°21	2°23	7°21	22° 2	28°R50	23° 9	7°42	22° 1	7°18	9° 1	26°55	16° 1	M 8
T 9	11 8 28	18°56'56	19°22	24°35	3°29	7°15	22°15	28°50	23° 6	7°42	22° 1	7°15	8°57	27° 2	16° 5	T 9
W10	11 12 25	19°56'40	3♏47	24°55	4°35	7° 9	22°29	28°50	23° 4	7°41	22° 2	7°D13	8°54	27° 8	16° 8	W10
T 11	11 16 21	20°56'22	18°11	25°20	5°41	7° 3	22°42	28°50	23° 1	7°40	22° 3	7°14	8°51	27°15	16°11	T 11
F 12	11 20 18	21°56'03	2♐30	25°50	6°48	6°59	22°55	28°49	22°59	7°39	22° 4	7°15	8°48	27°22	16°15	F 12
S 13	11 24 15	22°55'42	16°41	26°24	7°54	6°55	23° 9	28°49	22°56	7°38	22° 4	7°R16	8°45	27°28	16°18	S 13
S 14	11 28 11	23°55'20	0♑43	27° 2	9° 1	6°52	23°22	28°48	22°53	7°37	22° 5	7°16	8°42	27°35	16°22	S 14
M15	11 32 8	24°54'56	14°36	27°44	10° 8	6°50	23°36	28°47	22°51	7°36	22° 6	7°14	8°38	27°42	16°25	M15
T 16	11 36 4	25°54'30	28°18	28°30	11°16	6°49	23°49	28°47	22°48	7°34	22° 7	7°10	8°35	27°48	16°29	T 16
W17	11 40 1	26°54'02	11♒48	29°20	12°23	6°D48	24° 3	28°46	22°46	7°33	22° 8	7° 5	8°32	27°55	16°33	W17
T 18	11 43 57	27°53'32	25° 7	0♓12	13°30	6°48	24°17	28°45	22°43	7°32	22° 8	6°59	8°29	28° 2	16°36	T 18
F 19	11 47 54	28°53'00	8♓13	1° 8	14°38	6°49	24°30	28°44	22°40	7°31	22° 9	6°52	8°26	28° 8	16°40	F 19
S 20	11 51 50	29°52'27	21° 4	2° 6	15°46	6°51	24°44	28°43	22°38	7°30	22°10	6°45	8°23	28°15	16°43	S 20
S 21	11 55 47	0♈51'51	3♈42	3° 7	16°54	6°53	24°58	28°41	22°35	7°29	22°11	6°40	8°19	28°21	16°47	S 21
M22	11 59 44	1°51'13	16° 6	4°11	18° 2	6°56	25°12	28°40	22°33	7°27	22°12	6°37	8°16	28°28	16°51	M22
T 23	12 3 40	2°50'33	28°18	5°17	19°10	7° 0	25°25	28°38	22°30	7°26	22°13	6°35	8°13	28°35	16°54	T 23
W24	12 7 37	3°49'51	10♉18	6°26	20°18	7° 4	25°39	28°37	22°28	7°25	22°14	6°D34	8°10	28°41	16°58	W24
T 25	12 11 33	4°49'07	22°11	7°37	21°26	7° 9	25°53	28°35	22°25	7°23	22°15	6°35	8° 7	28°48	17° 2	T 25
F 26	12 15 30	5°48'21	4♊ 0	8°50	22°35	7°15	26° 7	28°33	22°22	7°22	22°16	6°37	8° 3	28°55	17° 5	F 26
S 27	12 19 26	6°47'32	15°48	10° 5	23°43	7°21	26°21	28°32	22°20	7°21	22°17	6°39	8° 0	29° 1	17° 9	S 27
S 28	12 23 23	7°46'41	27°41	11°22	24°52	7°28	26°35	28°30	22°17	7°19	22°18	6°40	7°57	29° 8	17°13	S 28
M29	12 27 19	8°45'48	9♋44	12°41	26° 1	7°36	26°49	28°28	22°15	7°18	22°19	6°R41	7°54	29°15	17°16	M29
T 30	12 31 16	9°44'52	22° 1	14° 1	27°10	7°44	27° 3	28°25	22°13	7°17	22°20	6°40	7°51	29°21	17°20	T 30
W31	12 35 13	10♈43'54	4♌37	15♓24	28♒19	7♌53	27♈17	28♏23	22♍10	7♏15	22♉21	6♉38	7♉48	29♉28	17♈24	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s28	27n36	4n 7	10s32	2n40	19s11	2n 4	22n 7	4n 6	7n 2	1s 5	17s49	2n10	3n20	0n48	12s24	1n50	5n 5	13s38	14n16	14n39	20n46	7n 8	1n 3
T 2	7 5	27 23	4 40	10 55	2 26	19 5	1 59	22 9	4 4	7 7	1 4	17 49	2 10	3 21	0 48	12 24	1 50	5 6	13 38	14 14	14 38	20 49	7 9	1 3
W 3	6 42	25 46	5 0	11 15	2 12	18 58	1 54	22 10	4 2	7 12	1 4	17 49	2 10	3 22	0 48	12 24	1 50	5 6	13 38	14 12	14 37	20 51	7 11	1 3
T 4	6 19	22 46	5 6	11 34	1 58	18 50	1 48	22 10	3 59	7 17	1 4	17 49	2 10	3 23	0 48	12 23	1 50	5 7	13 37	14 9	14 36	20 54	7 12	1 3
F 5	5 56	18 30	4 55	11 51	1 44	18 42	1 43	22 11	3 57	7 22	1 4	17 49	2 10	3 25	0 48	12 23	1 50	5 7	13 37	14 6	14 35	20 56	7 13	1 3
S 6	5 33	13 11	4 28	12 5	1 30	18 33	1 38	22 11	3 55	7 27	1 4	17 49	2 11	3 26	0 48	12 23	1 50	5 8	13 37	14 3	14 34	20 58	7 14	1 3
S 7	5 10	7 5	3 43	12 18	1 16	18 24	1 33	22 11	3 53	7 32	1 4	17 49	2 11	3 27	0 48	12 22	1 51	5 8	13 37	14 1	14 33	21 1	7 15	1 2
M 8	4 46	0 32	2 45	12 28	1 2	18 14	1 28	22 11	3 51	7 37	1 4	17 49	2 11	3 28	0 48	12 22	1 51	5 8	13 36	13 59	14 32	21 3	7 16	1 2
T 9	4 23	6s 8	1 35	12 36	0 48	18 4	1 23	22 11	3 48	7 42	1 3	17 48	2 11	3 29	0 48	12 22	1 51	5 9	13 36	13 57	14 31	21 5	7 18	1 2
W10	3 59	12 31	0 19	12 42	0 34	17 54	1 18	22 10	3 46	7 47	1 3	17 48	2 11	3 30	0 48	12 21	1 51	5 9	13 36	13 57	14 30	21 8	7 19	1 2
T 11	3 36	18 14	0s59	12 46	0 21	17 43	1 13	22 9	3 44	7 52	1 3	17 48	2 11	3 31	0 48	12 21	1 51	5 10	13 35	13 57	14 29	21 10	7 20	1 2
F 12	3 12	22 52	2 12	12 48	0 9	17 31	1 8	22 8	3 42	7 57	1 3	17 48	2 12	3 32	0 48	12 21	1 51	5 10	13 35	13 58	14 28	21 13	7 21	1 2
S 13	2 49	26 5	3 17	12 48	0s 4	17 19	1 3	22 7	3 39	8 2	1 3	17 48	2 12	3 33	0 48	12 20	1 51	5 11	13 35	13 58	14 27	21 15	7 23	1 2
S 14	2 25	27 38	4 9	12 46	0 15	17 6	0 58	22 6	3 37	8 8	1 3	17 47	2 12	3 34	0 48	12 20	1 51	5 11	13 35	13 58	14 26	21 17	7 24	1 2
M15	2 1	27 26	4 46	12 42	0 27	16 53	0 53	22 4	3 35	8 13	1 3	17 47	2 12	3 35	0 48	12 19	1 51	5 11	13 34	13 57	14 25	21 20	7 25	1 2
T 16	1 38	25 32	5 6	12 36	0 38	16 39	0 49	22 2	3 33	8 18	1 3	17 47	2 12	3 36	0 48	12 19	1 51	5 12	13 34	13 56	14 24	21 22	7 26	1 2
W17	1 14	22 13	5 9	12 29	0 48	16 25	0 44	22 0	3 30	8 23	1 2	17 46	2 12	3 37	0 48	12 19	1 51	5 12	13 34	13 54	14 23	21 24	7 28	1 2
T 18	0 50	17 48	4 54	12 20	0 58	16 11	0 39	21 58	3 28	8 28	1 2	17 46	2 13	3 38	0 48	12 18	1 51	5 13	13 34	13 52	14 22	21 27	7 29	1 1
F 19	0 27	12 36	4 25	12 9	1 7	15 56	0 34	21 55	3 26	8 33	1 2	17 45	2 13	3 39	0 48	12 18	1 51	5 13	13 33	13 50	14 21	21 29	7 30	1 1
S 20	0 3	6 57	3 42	11 56	1 16	15 40	0 30	21 53	3 23	8 38	1 2	17 45	2 13	3 40	0 48	12 17	1 51	5 14	13 33	13 48	14 20	21 31	7 32	1 1
S 21	0n21	1 7	2 50	11 42	1 25	15 24	0 25	21 50	3 21	8 43	1 2	17 45	2 13	3 41	0 48	12 17	1 51	5 14	13 33	13 46	14 19	21 33	7 33	1 1
M22	0 44	4n40	1 49	11 26	1 33	15 8	0 21	21 47	3 19	8 49	1 2	17 44	2 13	3 42	0 48	12 17	1 51	5 15	13 33	13 45	14 18	21 36	7 34	1 1
T 23	1 8	10 11	0 45	11 8	1 40	14 51	0 16	21 44	3 17	8 54	1 2	17 44	2 13	3 43	0 48	12 16	1 51	5 15	13 32	13 44	14 16	21 38	7 36	1 1
W24	1 32	15 16	0n20	10 49	1 47	14 34	0 12	21 40	3 14	8 59	1 2	17 43	2 14	3 44	0 48	12 16	1 51	5 16	13 32	13 44	14 15	21 40	7 37	1 1
T 25	1 55	19 43	1 25	10 29	1 53	14 16	0 8	21 37	3 12	9 4	1 1	17 43	2 14	3 45	0 48	12 15	1 51	5 16	13 32	13 45	14 14	21 43	7 38	1 1
F 26	2 19	23 22	2 25	10 7	1 59	13 58	0 3	21 33	3 10	9 9	1 1	17 42	2 14	3 46	0 48	12 15	1 51	5 16	13 32	13 45	14 13	21 45	7 40	1 1
S 27	2 42	26 1	3 19	9 44	2 5	13 39	0s 1	21 30	3 8	9 14	1 1	17 42	2 14	3 47	0 48	12 14	1 51	5 17	13 31	13 46	14 12	21 47	7 41	1 1
S 28	3 6	27 33	4 5	9 19	2 9	13 20	0 5	21 26	3 5	9 19	1 1	17 41	2 14	3 48	0 48	12 14	1 51	5 17	13 31	13 46	14 11	21 49	7 42	1 1
M29	3 29	27 47	4 40	8 53	2 14	13 1	0 9	21 21	3 3	9 25	1 1	17 40	2 14	3 49	0 48	12 13	1 51	5 18	13 31	13 46	14 10	21 52	7 44	1 0
T 30	3 52	26 41	5 4	8 25	2 18	12 41	0 13	21 17	3 1	9 30	1 1	17 40	2 14	3 50	0 48	12 13	1 51	5 18	13 31	13 46	14 9	21 54	7 45	1 0
W31	4n15	24n14	5n14	7s56	2s21	12s21	0s17	21n13	2n59	9n35	1s 1	17s39	2n15	3n51	0n48	12s12	1n51	5n19	13s30	13n46	14n 8	21n56	7n46	1n 0

Julian Day Number = 2317195.5, Delta T = 56.25 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'23, Lahiri = 18°43'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

APRIL 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 39 9	11♈42'54	17♌36	16♓48	29♒28	8♌ 2	27♈31	28°R21	22°R 8	7°R14	22♉22	6°R35	7♉44	29♉35	17♈28	T 1
F 2	12 43 6	12°41'52	0♍59	18°14	0♓37	8°12	27°46	28♏19	22♍ 5	7♏12	22°23	6♉32	7°41	29°41	17°31	F 2
S 3	12 47 2	13°40'47	14°49	19°42	1°46	8°23	28° 0	28°16	22° 3	7°11	22°24	6°28	7°38	29°48	17°35	S 3
S 4	12 50 59	14°39'40	29° 1	21°11	2°55	8°34	28°14	28°14	22° 1	7°10	22°25	6°25	7°35	29°55	17°39	S 4
M 5	12 54 55	15°38'30	13♎33	22°42	4° 5	8°46	28°28	28°11	21°58	7° 8	22°26	6°23	7°32	0♊ 1	17°42	M 5
T 6	12 58 52	16°37'19	28°18	24°15	5°14	8°58	28°42	28° 8	21°56	7° 7	22°27	6°22	7°29	0° 8	17°46	T 6
W 7	13 2 48	17°36'06	13♏ 9	25°49	6°24	9°11	28°57	28° 5	21°54	7° 5	22°28	6°D22	7°25	0°15	17°50	W 7
T 8	13 6 45	18°34'51	27°59	27°25	7°33	9°24	29°11	28° 3	21°51	7° 4	22°30	6°23	7°22	0°21	17°54	T 8
F 9	13 10 41	19°33'35	12♐40	29° 3	8°43	9°37	29°25	28° 0	21°49	7° 2	22°31	6°24	7°19	0°28	17°57	F 9
S 10	13 14 38	20°32'16	27° 8	0♈42	9°53	9°52	29°39	27°57	21°47	7° 0	22°32	6°25	7°16	0°35	18° 1	S 10
S 11	13 18 35	21°30'56	11♑20	2°23	11° 3	10° 6	29°54	27°54	21°45	6°59	22°33	6°26	7°13	0°41	18° 5	S 11
M12	13 22 31	22°29'35	25°13	4° 5	12°13	10°21	0♉ 8	27°50	21°43	6°57	22°34	6°R26	7° 9	0°48	18° 9	M12
T 13	13 26 28	23°28'12	8♒47	5°49	13°23	10°37	0°22	27°47	21°41	6°56	22°35	6°26	7° 6	0°55	18°12	T 13
W14	13 30 24	24°26'46	22° 4	7°35	14°33	10°53	0°37	27°44	21°39	6°54	22°37	6°25	7° 3	1° 1	18°16	W14
T 15	13 34 21	25°25'20	5♓ 4	9°22	15°43	11°10	0°51	27°40	21°36	6°53	22°38	6°23	7° 0	1° 8	18°20	T 15
F 16	13 38 17	26°23'51	17°49	11°11	16°53	11°27	1° 5	27°37	21°34	6°51	22°39	6°22	6°57	1°15	18°24	F 16
S 17	13 42 14	27°22'21	0♈20	13° 1	18° 3	11°44	1°20	27°34	21°32	6°49	22°40	6°21	6°54	1°21	18°27	S 17
S 18	13 46 10	28°20'49	12°40	14°53	19°14	12° 2	1°34	27°30	21°31	6°48	22°42	6°20	6°50	1°28	18°31	S 18
M19	13 50 7	29°19'15	24°49	16°47	20°24	12°20	1°49	27°26	21°29	6°46	22°43	6°19	6°47	1°34	18°35	M19
T 20	13 54 4	0♉17'39	6♉50	18°43	21°34	12°38	2° 3	27°23	21°27	6°45	22°44	6°D19	6°44	1°41	18°38	T 20
W21	13 58 0	1°16'02	18°44	20°40	22°45	12°57	2°17	27°19	21°25	6°43	22°45	6°19	6°41	1°48	18°42	W21
T 22	14 1 57	2°14'23	0♊34	22°39	23°55	13°17	2°32	27°15	21°23	6°41	22°47	6°19	6°38	1°54	18°46	T 22
F 23	14 5 53	3°12'41	12°22	24°39	25° 6	13°37	2°46	27°11	21°21	6°40	22°48	6°20	6°34	2° 1	18°49	F 23
S 24	14 9 50	4°10'58	24°11	26°41	26°16	13°57	3° 0	27° 7	21°20	6°38	22°49	6°20	6°31	2° 8	18°53	S 24
S 25	14 13 46	5° 9'13	6♋ 5	28°44	27°27	14°17	3°15	27° 3	21°18	6°36	22°51	6°20	6°28	2°14	18°57	S 25
M26	14 17 43	6° 7'26	18° 7	0♉49	28°38	14°38	3°29	26°59	21°16	6°35	22°52	6°R20	6°25	2°21	19° 0	M26
T 27	14 21 39	7° 5'37	0♌23	2°55	29°48	14°59	3°44	26°55	21°15	6°33	22°53	6°20	6°22	2°28	19° 4	T 27
W28	14 25 36	8° 3'46	12°56	5° 2	0♈59	15°21	3°58	26°51	21°13	6°32	22°54	6°D20	6°19	2°34	19° 8	W28
T 29	14 29 33	9° 1'52	25°50	7°10	2°10	15°42	4°12	26°47	21°12	6°30	22°56	6°20	6°15	2°41	19°11	T 29
F 30	14 33 29	9♉59'57	9♍ 9	9♉19	3♈21	16♌ 5	4♉27	26♏43	21♍10	6♏28	22♉57	6♉21	6♉12	2♊48	19♈15	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n39	20n29	5n 9	7s26	2s24	12s 1	0s21	21n 8	2n57	9n40	1s 1	17s39	2n15	3n52	0n48	12s12	1n52	5n19	13s30	13n45	14n 7	21n59	7n48	1n 0
F 2	5 2	15 36	4 46	6 54	2 26	11 40	0 25	21 4	2 55	9 45	1 1	17 38	2 15	3 53	0 48	12 11	1 52	5 20	13 30	13 43	14 6	22 1	7 49	1 0
S 3	5 25	9 47	4 7	6 21	2 28	11 19	0 28	20 59	2 52	9 50	1 1	17 37	2 15	3 54	0 48	12 11	1 52	5 20	13 30	13 42	14 5	22 3	7 50	1 0
S 4	5 47	3 19	3 12	5 47	2 30	10 57	0 32	20 54	2 50	9 56	1 1	17 37	2 15	3 55	0 48	12 10	1 52	5 21	13 30	13 41	14 4	22 5	7 52	1 0
M 5	6 10	3s29	2 3	5 12	2 31	10 35	0 36	20 49	2 48	10 1	1 0	17 36	2 15	3 55	0 48	12 10	1 52	5 21	13 29	13 41	14 3	22 7	7 53	1 0
T 6	6 33	10 12	0 44	4 36	2 31	10 13	0 39	20 43	2 46	10 6	1 0	17 35	2 15	3 56	0 48	12 9	1 52	5 22	13 29	13 40	14 2	22 10	7 55	1 0
W 7	6 55	16 25	0s37	3 58	2 31	9 51	0 43	20 38	2 44	10 11	1 0	17 35	2 15	3 57	0 48	12 9	1 52	5 22	13 29	13 40	14 1	22 12	7 56	1 0
T 8	7 18	21 39	1 57	3 19	2 30	9 28	0 46	20 33	2 42	10 16	1 0	17 34	2 16	3 58	0 48	12 8	1 52	5 22	13 29	13 41	14 0	22 14	7 57	1 0
F 9	7 40	25 28	3 8	2 39	2 29	9 5	0 49	20 27	2 40	10 21	1 0	17 33	2 16	3 59	0 48	12 8	1 52	5 23	13 29	13 41	13 59	22 16	7 59	1 0
S 10	8 2	27 33	4 5	1 58	2 27	8 41	0 52	20 21	2 38	10 26	1 0	17 32	2 16	4 0	0 48	12 7	1 52	5 23	13 29	13 41	13 58	22 19	8 0	1 0
S 11	8 24	27 46	4 47	1 16	2 25	8 18	0 56	20 15	2 36	10 31	1 0	17 31	2 16	4 1	0 48	12 7	1 52	5 24	13 28	13 42	13 57	22 21	8 1	1 0
M12	8 46	26 13	5 11	0 33	2 22	7 54	0 59	20 9	2 34	10 36	1 0	17 31	2 16	4 1	0 48	12 6	1 52	5 24	13 28	13 42	13 56	22 23	8 3	0 59
T 13	9 8	23 11	5 16	0n11	2 19	7 30	1 2	20 3	2 32	10 42	1 0	17 30	2 16	4 2	0 48	12 6	1 52	5 25	13 28	13 41	13 55	22 25	8 4	0 59
W14	9 30	18 59	5 5	0 56	2 15	7 5	1 4	19 57	2 30	10 47	1 0	17 29	2 16	4 3	0 48	12 5	1 52	5 25	13 28	13 41	13 54	22 27	8 5	0 59
T 15	9 51	13 59	4 38	1 43	2 11	6 41	1 7	19 50	2 28	10 52	1 0	17 28	2 16	4 4	0 48	12 5	1 52	5 26	13 28	13 41	13 53	22 30	8 7	0 59
F 16	10 12	8 28	3 58	2 30	2 6	6 16	1 10	19 44	2 27	10 57	1 0	17 27	2 16	4 5	0 48	12 4	1 52	5 26	13 28	13 40	13 52	22 32	8 8	0 59
S 17	10 34	2 43	3 7	3 18	2 1	5 51	1 13	19 37	2 25	11 2	1 0	17 26	2 16	4 5	0 48	12 4	1 52	5 26	13 27	13 40	13 51	22 34	8 10	0 59
S 18	10 55	3n 3	2 8	4 6	1 55	5 25	1 15	19 30	2 23	11 7	1 0	17 26	2 16	4 6	0 48	12 3	1 52	5 27	13 27	13 39	13 50	22 36	8 11	0 59
M19	11 15	8 39	1 3	4 56	1 49	5 0	1 18	19 23	2 21	11 12	1 0	17 25	2 17	4 7	0 47	12 2	1 52	5 27	13 27	13 39	13 49	22 38	8 12	0 59
T 20	11 36	13 52	0n 3	5 46	1 42	4 34	1 20	19 16	2 19	11 17	0 59	17 24	2 17	4 8	0 47	12 2	1 52	5 28	13 27	13 39	13 47	22 40	8 14	0 59
W21	11 56	18 32	1 8	6 37	1 35	4 8	1 22	19 9	2 17	11 22	0 59	17 23	2 17	4 8	0 47	12 1	1 52	5 28	13 27	13 39	13 46	22 42	8 15	0 59
T 22	12 17	22 26	2 11	7 29	1 27	3 43	1 24	19 2	2 16	11 27	0 59	17 22	2 17	4 9	0 47	12 1	1 52	5 29	13 27	13 39	13 45	22 45	8 16	0 59
F 23	12 37	25 25	3 7	8 21	1 19	3 16	1 26	18 55	2 14	11 32	0 59	17 21	2 17	4 10	0 47	12 0	1 52	5 29	13 27	13 40	13 44	22 47	8 18	0 59
S 24	12 56	27 17	3 56	9 13	1 10	2 50	1 28	18 47	2 12	11 37	0 59	17 20	2 17	4 10	0 47	12 0	1 52	5 29	13 26	13 40	13 43	22 49	8 19	0 59
S 25	13 16	27 55	4 35	10 5	1 1	2 24	1 30	18 39	2 10	11 42	0 59	17 19	2 17	4 11	0 47	11 59	1 52	5 30	13 26	13 40	13 42	22 51	8 20	0 59
M26	13 35	27 15	5 2	10 58	0 52	1 57	1 32	18 32	2 9	11 47	0 59	17 18	2 17	4 11	0 47	11 59	1 52	5 30	13 26	13 40	13 41	22 53	8 22	0 59
T 27	13 55	25 15	5 16	11 51	0 42	1 31	1 34	18 24	2 7	11 51	0 59	17 17	2 17	4 12	0 47	11 58	1 52	5 31	13 26	13 40	13 40	22 55	8 23	0 58
W28	14 14	22 0	5 16	12 43	0 33	1 4	1 36	18 16	2 5	11 56	0 59	17 16	2 17	4 13	0 47	11 58	1 52	5 31	13 26	13 40	13 39	22 57	8 24	0 58
T 29	14 32	17 37	4 59	13 35	0 22	0 37	1 37	18 8	2 4	12 1	0 59	17 15	2 17	4 13	0 47	11 57	1 52	5 32	13 26	13 40	13 38	22 59	8 26	0 58
F 30	14n51	12n17	4n27	14n27	0s12	0s10	1s39	17n59	2n 2	12n 6	0s59	17s14	2n17	4n14	0n47	11s57	1n52	5n32	13s26	13n40	13n37	23n 2	8n27	0n58

Julian Day Number = 2317226.5, Delta T = 56.18 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'27, Lahiri = 18°43'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

MAY 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 37 26	10♉58'00	22♍54	11♉29	4♈32	16♌27	4♉41	26°R39	21°R 9	6°R27	22♉58	6♉21	6♉ 9	2♊54	19♈18	S 1
S 2	14 41 22	11°56'01	7♎ 5	13°39	5°43	16°50	4°55	26♏35	21♍ 8	6♏25	23° 0	6°22	6° 6	3° 1	19°22	S 2
M 3	14 45 19	12°54'00	21°41	15°50	6°54	17°13	5° 9	26°30	21° 6	6°23	23° 1	6°22	6° 3	3° 8	19°25	M 3
T 4	14 49 15	13°51'57	6♏36	18° 0	8° 5	17°36	5°24	26°26	21° 5	6°22	23° 2	6°R22	6° 0	3°14	19°29	T 4
W 5	14 53 12	14°49'53	21°42	20°10	9°16	18° 0	5°38	26°22	21° 4	6°20	23° 4	6°22	5°56	3°21	19°32	W 5
T 6	14 57 8	15°47'47	6♐52	22°19	10°27	18°24	5°52	26°17	21° 3	6°19	23° 5	6°21	5°53	3°28	19°36	T 6
F 7	15 1 5	16°45'40	21°54	24°28	11°38	18°48	6° 6	26°13	21° 2	6°17	23° 6	6°20	5°50	3°34	19°39	F 7
S 8	15 5 2	17°43'32	6♑42	26°35	12°49	19°12	6°21	26° 9	21° 1	6°15	23° 8	6°19	5°47	3°41	19°43	S 8
S 9	15 8 58	18°41'22	21° 9	28°41	14° 0	19°37	6°35	26° 4	20°59	6°14	23° 9	6°18	5°44	3°48	19°46	S 9
M10	15 12 55	19°39'11	5♒11	0♊44	15°12	20° 2	6°49	26° 0	20°59	6°12	23°11	6°17	5°40	3°54	19°49	M10
T 11	15 16 51	20°36'59	18°49	2°46	16°23	20°27	7° 3	25°55	20°58	6°11	23°12	6°D16	5°37	4° 1	19°53	T 11
W12	15 20 48	21°34'46	2♓ 2	4°46	17°34	20°53	7°17	25°51	20°57	6° 9	23°13	6°17	5°34	4° 8	19°56	W12
T 13	15 24 44	22°32'32	14°53	6°44	18°46	21°19	7°31	25°47	20°56	6° 7	23°15	6°17	5°31	4°14	19°59	T 13
F 14	15 28 41	23°30'16	27°26	8°39	19°57	21°45	7°45	25°42	20°55	6° 6	23°16	6°19	5°28	4°21	20° 3	F 14
S 15	15 32 37	24°27'59	9♈44	10°31	21° 9	22°11	7°59	25°38	20°54	6° 4	23°17	6°20	5°25	4°28	20° 6	S 15
S 16	15 36 34	25°25'41	21°50	12°20	22°20	22°37	8°13	25°33	20°54	6° 3	23°19	6°21	5°21	4°34	20° 9	S 16
M17	15 40 31	26°23'22	3♉48	14° 7	23°32	23° 4	8°27	25°29	20°53	6° 1	23°20	6°R22	5°18	4°41	20°12	M17
T 18	15 44 27	27°21'02	15°41	15°51	24°43	23°31	8°41	25°24	20°52	6° 0	23°21	6°22	5°15	4°48	20°15	T 18
W19	15 48 24	28°18'41	27°30	17°31	25°55	23°58	8°55	25°20	20°52	5°58	23°23	6°20	5°12	4°54	20°19	W19
T 20	15 52 20	29°16'18	9♊18	19° 9	27° 6	24°25	9° 9	25°15	20°51	5°57	23°24	6°18	5° 9	5° 1	20°22	T 20
F 21	15 56 17	0♊13'55	21° 7	20°44	28°18	24°53	9°23	25°11	20°51	5°55	23°25	6°14	5° 6	5° 8	20°25	F 21
S 22	16 0 13	1°11'30	3♋ 0	22°15	29°29	25°21	9°37	25° 6	20°51	5°54	23°27	6°10	5° 2	5°14	20°28	S 22
S 23	16 4 10	2° 9'03	14°58	23°44	0♉41	25°49	9°51	25° 2	20°50	5°53	23°28	6° 6	4°59	5°21	20°31	S 23
M24	16 8 7	3° 6'36	27° 5	25° 9	1°53	26°17	10° 4	24°58	20°50	5°51	23°29	6° 2	4°56	5°28	20°34	M24
T 25	16 12 3	4° 4'07	9♌22	26°31	3° 5	26°45	10°18	24°53	20°50	5°50	23°31	5°59	4°53	5°34	20°37	T 25
W26	16 16 0	5° 1'37	21°55	27°49	4°16	27°14	10°32	24°49	20°50	5°48	23°32	5°57	4°50	5°41	20°40	W26
T 27	16 19 56	5°59'05	4♍45	29° 5	5°28	27°43	10°45	24°44	20°50	5°47	23°33	5°D56	4°46	5°48	20°43	T 27
F 28	16 23 53	6°56'32	17°57	0♋17	6°40	28°12	10°59	24°40	20°D50	5°46	23°35	5°57	4°43	5°54	20°45	F 28
S 29	16 27 49	7°53'58	1♎34	1°25	7°52	28°41	11°13	24°36	20°50	5°44	23°36	5°58	4°40	6° 1	20°48	S 29
S 30	16 31 46	8°51'22	15°36	2°30	9° 3	29°10	11°26	24°32	20°50	5°43	23°37	5°59	4°37	6° 8	20°51	S 30
M31	16 35 42	9♊48'46	0♏ 3	3♋32	10♉15	29♌40	11♉40	24♏27	20♍50	5♏42	23♉39	6°R 0	4♉34	6♊14	20♈54	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 9	6n10	3n39	15n17	0s 1	0n17	1s40	17n51	2n 0	12n11	0s59	17s13	2n17	4n14	0n47	11s56	1n52	5n32	13s26	13n40	13n36	23n 4	8n28	0n58
S 2	15 27	0s26	2 36	16 7	0n 9	0 44	1 41	17 43	1 59	12 16	0 59	17 12	2 17	4 15	0 47	11 56	1 52	5 33	13 26	13 40	13 35	23 6	8 29	0 58
M 3	15 45	7 13	1 21	16 56	0 20	1 11	1 42	17 34	1 57	12 21	0 59	17 11	2 17	4 15	0 47	11 55	1 52	5 33	13 26	13 40	13 34	23 8	8 31	0 58
T 4	16 2	13 46	0s 1	17 43	0 30	1 38	1 44	17 25	1 56	12 25	0 59	17 10	2 17	4 16	0 47	11 54	1 52	5 34	13 25	13 40	13 33	23 10	8 32	0 58
W 5	16 19	19 35	1 24	18 29	0 41	2 5	1 45	17 17	1 54	12 30	0 59	17 9	2 17	4 16	0 47	11 54	1 52	5 34	13 25	13 40	13 32	23 12	8 33	0 58
T 6	16 36	24 9	2 41	19 12	0 51	2 32	1 46	17 8	1 53	12 35	0 59	17 8	2 17	4 17	0 47	11 53	1 52	5 34	13 25	13 40	13 31	23 14	8 35	0 58
F 7	16 53	27 1	3 47	19 54	1 1	2 59	1 46	16 59	1 51	12 40	0 59	17 7	2 17	4 17	0 47	11 53	1 52	5 35	13 25	13 40	13 30	23 16	8 36	0 58
S 8	17 9	27 54	4 36	20 34	1 10	3 26	1 47	16 50	1 49	12 44	0 59	17 6	2 17	4 17	0 47	11 52	1 52	5 35	13 25	13 39	13 29	23 18	8 37	0 58
S 9	17 25	26 51	5 6	21 11	1 19	3 53	1 48	16 40	1 48	12 49	0 59	17 5	2 17	4 18	0 47	11 52	1 52	5 35	13 25	13 39	13 28	23 20	8 38	0 58
M10	17 41	24 7	5 17	21 47	1 28	4 20	1 48	16 31	1 46	12 54	0 59	17 4	2 17	4 18	0 47	11 51	1 52	5 36	13 25	13 39	13 26	23 22	8 40	0 58
T 11	17 57	20 7	5 9	22 19	1 36	4 47	1 49	16 22	1 45	12 58	0 59	17 3	2 17	4 18	0 47	11 51	1 52	5 36	13 25	13 38	13 25	23 24	8 41	0 58
W12	18 12	15 13	4 45	22 49	1 43	5 14	1 49	16 12	1 44	13 3	0 59	17 2	2 17	4 19	0 47	11 50	1 52	5 36	13 25	13 38	13 24	23 26	8 42	0 58
T 13	18 27	9 46	4 8	23 17	1 50	5 40	1 50	16 2	1 42	13 7	0 59	17 1	2 17	4 19	0 47	11 50	1 52	5 37	13 25	13 39	13 23	23 28	8 43	0 58
F 14	18 41	4 4	3 19	23 41	1 56	6 7	1 50	15 52	1 41	13 12	0 59	17 0	2 17	4 19	0 47	11 49	1 52	5 37	13 25	13 39	13 22	23 30	8 44	0 58
S 15	18 56	1n41	2 22	24 4	2 1	6 34	1 50	15 43	1 39	13 17	0 59	16 59	2 17	4 19	0 47	11 49	1 52	5 38	13 25	13 40	13 21	23 32	8 46	0 58
S 16	19 10	7 18	1 19	24 23	2 5	7 0	1 50	15 33	1 38	13 21	0 59	16 58	2 17	4 20	0 47	11 48	1 52	5 38	13 25	13 40	13 20	23 34	8 47	0 58
M17	19 23	12 35	0 14	24 41	2 9	7 27	1 50	15 22	1 36	13 26	0 59	16 57	2 17	4 20	0 46	11 48	1 52	5 38	13 25	13 40	13 19	23 36	8 48	0 57
T 18	19 37	17 23	0n51	24 55	2 12	7 53	1 50	15 12	1 35	13 30	0 59	16 56	2 17	4 20	0 46	11 47	1 52	5 39	13 25	13 40	13 18	23 38	8 49	0 57
W19	19 50	21 29	1 54	25 8	2 14	8 19	1 50	15 2	1 34	13 34	0 59	16 55	2 17	4 20	0 46	11 47	1 52	5 39	13 25	13 40	13 17	23 40	8 50	0 57
T 20	20 2	24 43	2 52	25 18	2 15	8 45	1 50	14 52	1 32	13 39	0 59	16 54	2 17	4 20	0 46	11 47	1 52	5 39	13 25	13 39	13 16	23 42	8 51	0 57
F 21	20 14	26 53	3 42	25 26	2 16	9 11	1 49	14 41	1 31	13 43	0 59	16 53	2 17	4 21	0 46	11 46	1 52	5 39	13 25	13 38	13 15	23 44	8 53	0 57
S 22	20 26	27 50	4 23	25 31	2 16	9 37	1 49	14 30	1 30	13 48	0 59	16 52	2 17	4 21	0 46	11 46	1 52	5 40	13 25	13 36	13 14	23 46	8 54	0 57
S 23	20 38	27 29	4 52	25 35	2 15	10 2	1 49	14 20	1 28	13 52	0 59	16 51	2 16	4 21	0 46	11 45	1 52	5 40	13 25	13 35	13 13	23 48	8 55	0 57
M24	20 49	25 51	5 10	25 37	2 13	10 28	1 48	14 9	1 27	13 56	0 59	16 50	2 16	4 21	0 46	11 45	1 52	5 40	13 25	13 34	13 12	23 50	8 56	0 57
T 25	21 0	22 58	5 13	25 36	2 10	10 53	1 47	13 58	1 26	14 1	0 59	16 49	2 16	4 21	0 46	11 44	1 52	5 41	13 25	13 33	13 11	23 52	8 57	0 57
W26	21 11	18 59	5 1	25 35	2 6	11 18	1 47	13 47	1 24	14 5	0 59	16 48	2 16	4 21	0 46	11 44	1 51	5 41	13 25	13 32	13 9	23 54	8 58	0 57
T 27	21 21	14 3	4 35	25 31	2 2	11 42	1 46	13 36	1 23	14 9	0 59	16 48	2 16	4 21	0 46	11 43	1 51	5 41	13 25	13 32	13 8	23 56	8 59	0 57
F 28	21 31	8 21	3 53	25 26	1 57	12 7	1 45	13 24	1 22	14 13	0 59	16 47	2 16	4 21	0 46	11 43	1 51	5 42	13 25	13 32	13 7	23 58	9 0	0 57
S 29	21 40	2 5	2 57	25 20	1 51	12 31	1 44	13 13	1 21	14 18	0 59	16 46	2 16	4 21	0 46	11 43	1 51	5 42	13 25	13 32	13 6	24 0	9 1	0 57
S 30	21 49	4s28	1 49	25 12	1 44	12 55	1 43	13 2	1 19	14 22	0 59	16 45	2 16	4 21	0 46	11 42	1 51	5 42	13 25	13 33	13 5	24 2	9 2	0 57
M31	21n58	11s 0	0n33	25n 3	1n37	13n19	1s42	12n50	1n18	14n26	0s59	16s44	2n16	4n21	0n46	11s42	1n51	5n42	13s25	13n33	13n 4	24n 4	9n 3	0n57

Julian Day Number = 2317256.5, Delta T = 56.12 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'31, Lahiri = 18°43'32Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1632
geocentric

JUNE 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 39 39	10♊46'08	14♏53	4♋30	11♉27	0♍ 9	11♉53	24°R23	20♍50	5°R40	23♉40	6°R 0	4♉31	6♊21	20♈56	T 1
W 2	16 43 36	11°43'29	29°59	5°24	12°39	0°39	12° 6	24♏19	20°50	5♏39	23°41	5♉58	4°27	6°28	20°59	W 2
T 3	16 47 32	12°40'50	15♐14	6°14	13°51	1° 9	12°20	24°15	20°50	5°38	23°43	5°55	4°24	6°34	21° 2	T 3
F 4	16 51 29	13°38'10	0♑26	7° 1	15° 3	1°39	12°33	24°11	20°51	5°37	23°44	5°50	4°21	6°41	21° 4	F 4
S 5	16 55 25	14°35'29	15°27	7°43	16°15	2°10	12°46	24° 7	20°51	5°35	23°45	5°45	4°18	6°48	21° 7	S 5
S 6	16 59 22	15°32'47	0♒ 7	8°22	17°27	2°40	12°59	24° 3	20°52	5°34	23°47	5°39	4°15	6°54	21° 9	S 6
M 7	17 3 18	16°30'05	14°20	8°56	18°39	3°11	13°12	23°59	20°52	5°33	23°48	5°35	4°12	7° 1	21°12	M 7
T 8	17 7 15	17°27'23	28° 5	9°26	19°51	3°42	13°25	23°55	20°53	5°32	23°49	5°31	4° 8	7° 8	21°14	T 8
W 9	17 11 11	18°24'40	11♓21	9°52	21° 3	4°13	13°38	23°51	20°53	5°31	23°50	5°29	4° 5	7°14	21°17	W 9
T 10	17 15 8	19°21'57	24°12	10°14	22°16	4°44	13°51	23°47	20°54	5°30	23°52	5°D29	4° 2	7°21	21°19	T 10
F 11	17 19 5	20°19'13	6♈42	10°31	23°28	5°15	14° 4	23°43	20°55	5°29	23°53	5°30	3°59	7°28	21°21	F 11
S 12	17 23 1	21°16'29	18°54	10°43	24°40	5°46	14°17	23°40	20°55	5°28	23°54	5°32	3°56	7°34	21°24	S 12
S 13	17 26 58	22°13'45	0♉53	10°51	25°52	6°18	14°30	23°36	20°56	5°27	23°55	5°R33	3°52	7°41	21°26	S 13
M14	17 30 54	23°11'01	12°45	10°R54	27° 4	6°50	14°42	23°32	20°57	5°26	23°56	5°32	3°49	7°48	21°28	M14
T 15	17 34 51	24° 8'16	24°33	10°53	28°17	7°21	14°55	23°29	20°58	5°25	23°58	5°30	3°46	7°54	21°30	T 15
W16	17 38 47	25° 5'31	6♊21	10°47	29°29	7°53	15° 8	23°25	20°59	5°24	23°59	5°26	3°43	8° 1	21°32	W16
T 17	17 42 44	26° 2'46	18°10	10°37	0♊41	8°26	15°20	23°22	21° 0	5°23	24° 0	5°20	3°40	8° 8	21°34	T 17
F 18	17 46 40	27° 0'00	0♋ 4	10°23	1°54	8°58	15°32	23°19	21° 1	5°22	24° 1	5°12	3°37	8°14	21°36	F 18
S 19	17 50 37	27°57'14	12° 4	10° 5	3° 6	9°30	15°45	23°15	21° 2	5°21	24° 2	5° 2	3°33	8°21	21°38	S 19
S 20	17 54 34	28°54'28	24°11	9°42	4°19	10° 3	15°57	23°12	21° 3	5°20	24° 4	4°52	3°30	8°28	21°40	S 20
M21	17 58 30	29°51'41	6♌26	9°17	5°31	10°36	16° 9	23° 9	21° 4	5°20	24° 5	4°43	3°27	8°34	21°42	M21
T 22	18 2 27	0♋48'54	18°53	8°48	6°43	11° 8	16°21	23° 6	21° 6	5°19	24° 6	4°35	3°24	8°41	21°44	T 22
W23	18 6 23	1°46'07	1♍31	8°17	7°56	11°41	16°33	23° 3	21° 7	5°18	24° 7	4°29	3°21	8°48	21°46	W23
T 24	18 10 20	2°43'19	14°24	7°43	9° 8	12°14	16°45	23° 0	21° 8	5°17	24° 8	4°25	3°18	8°54	21°47	T 24
F 25	18 14 16	3°40'30	27°34	7° 8	10°21	12°48	16°57	22°57	21°10	5°17	24° 9	4°23	3°14	9° 1	21°49	F 25
S 26	18 18 13	4°37'41	11♎ 4	6°32	11°34	13°21	17° 9	22°54	21°11	5°16	24°10	4°D23	3°11	9° 8	21°51	S 26
S 27	18 22 9	5°34'52	24°55	5°56	12°46	13°54	17°21	22°52	21°13	5°15	24°11	4°24	3° 8	9°14	21°52	S 27
M28	18 26 6	6°32'03	9♏ 9	5°19	13°59	14°28	17°33	22°49	21°14	5°15	24°12	4°R24	3° 5	9°21	21°54	M28
T 29	18 30 3	7°29'13	23°45	4°44	15°11	15° 2	17°44	22°46	21°16	5°14	24°13	4°23	3° 2	9°28	21°55	T 29
W30	18 33 59	8♋26'23	8♐38	4♋10	16♊24	15♍35	17♉56	22♏44	21♍17	5♏14	24♉14	4♉19	2♉58	9♊34	21♈57	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 6	17s 6	0s48	24n53	1n28	13n42	1s41	12n38	1n17	14n30	0s59	16s43	2n16	4n21	0n46	11s41	1n51	5n43	13s25	13n33	13n 3	24n 6	9n 4	0n57
W 2	22 14	22 16	2 7	24 42	1 19	14 5	1 40	12 27	1 16	14 34	0 59	16 42	2 15	4 20	0 46	11 41	1 51	5 43	13 25	13 32	13 2	24 7	9 5	0 57
T 3	22 22	25 56	3 17	24 30	1 9	14 28	1 39	12 15	1 14	14 38	0 59	16 41	2 15	4 20	0 46	11 41	1 51	5 43	13 25	13 31	13 1	24 9	9 6	0 57
F 4	22 29	27 43	4 14	24 17	0 59	14 50	1 37	12 3	1 13	14 42	0 59	16 40	2 15	4 20	0 46	11 40	1 51	5 43	13 25	13 30	13 0	24 11	9 7	0 57
S 5	22 36	27 25	4 51	24 3	0 47	15 12	1 36	11 51	1 12	14 46	0 59	16 39	2 15	4 20	0 46	11 40	1 51	5 44	13 25	13 28	12 59	24 13	9 8	0 57
S 6	22 42	25 12	5 9	23 49	0 35	15 34	1 34	11 39	1 11	14 50	0 59	16 39	2 15	4 20	0 46	11 40	1 51	5 44	13 25	13 26	12 58	24 15	9 9	0 57
M 7	22 48	21 27	5 7	23 34	0 23	15 55	1 33	11 27	1 10	14 54	0 59	16 38	2 15	4 19	0 46	11 39	1 51	5 44	13 25	13 24	12 57	24 17	9 10	0 57
T 8	22 54	16 39	4 47	23 18	0 9	16 16	1 31	11 14	1 9	14 58	0 59	16 37	2 15	4 19	0 46	11 39	1 51	5 44	13 26	13 23	12 56	24 19	9 11	0 57
W 9	22 59	11 12	4 12	23 3	0s 5	16 37	1 30	11 2	1 7	15 2	0 59	16 36	2 14	4 19	0 45	11 39	1 51	5 44	13 26	13 23	12 54	24 21	9 12	0 57
T 10	23 4	5 27	3 25	22 46	0 19	16 57	1 28	10 49	1 6	15 5	0 59	16 35	2 14	4 19	0 45	11 38	1 51	5 45	13 26	13 23	12 53	24 22	9 12	0 57
F 11	23 8	0n22	2 30	22 30	0 34	17 17	1 26	10 37	1 5	15 9	0 59	16 35	2 14	4 18	0 45	11 38	1 51	5 45	13 26	13 23	12 52	24 24	9 13	0 57
S 12	23 12	6 3	1 29	22 14	0 50	17 36	1 25	10 24	1 4	15 13	0 59	16 34	2 14	4 18	0 45	11 38	1 51	5 45	13 26	13 24	12 51	24 26	9 14	0 57
S 13	23 16	11 25	0 25	21 57	1 6	17 55	1 23	10 12	1 3	15 17	0 59	16 33	2 14	4 18	0 45	11 37	1 51	5 45	13 26	13 24	12 50	24 28	9 15	0 57
M14	23 19	16 19	0n39	21 41	1 22	18 14	1 21	9 59	1 2	15 20	0 59	16 32	2 14	4 17	0 45	11 37	1 51	5 45	13 26	13 24	12 49	24 30	9 16	0 56
T 15	23 22	20 35	1 41	21 25	1 38	18 32	1 19	9 46	1 1	15 24	0 59	16 32	2 14	4 17	0 45	11 37	1 51	5 46	13 26	13 23	12 48	24 32	9 16	0 56
W16	23 24	24 1	2 38	21 9	1 54	18 50	1 17	9 33	1 0	15 28	0 59	16 31	2 13	4 16	0 45	11 37	1 51	5 46	13 26	13 22	12 47	24 33	9 17	0 56
T 17	23 26	26 26	3 29	20 53	2 11	19 7	1 15	9 20	0 59	15 31	0 59	16 30	2 13	4 16	0 45	11 36	1 51	5 46	13 26	13 20	12 46	24 35	9 18	0 56
F 18	23 27	27 40	4 11	20 38	2 27	19 23	1 13	9 7	0 57	15 35	0 59	16 30	2 13	4 16	0 45	11 36	1 51	5 46	13 27	13 17	12 45	24 37	9 19	0 56
S 19	23 28	27 37	4 41	20 23	2 43	19 40	1 11	8 53	0 56	15 38	0 59	16 29	2 13	4 15	0 45	11 36	1 51	5 46	13 27	13 14	12 44	24 39	9 19	0 56
S 20	23 29	26 15	5 0	20 9	2 59	19 55	1 9	8 40	0 55	15 42	1 0	16 28	2 13	4 15	0 45	11 36	1 50	5 46	13 27	13 10	12 43	24 41	9 20	0 56
M21	23 29	23 37	5 5	19 56	3 14	20 11	1 7	8 27	0 54	15 45	1 0	16 28	2 12	4 14	0 45	11 35	1 50	5 46	13 27	13 7	12 41	24 42	9 21	0 56
T 22	23 29	19 53	4 56	19 44	3 29	20 25	1 4	8 13	0 53	15 49	1 0	16 27	2 12	4 14	0 45	11 35	1 50	5 47	13 27	13 4	12 40	24 44	9 21	0 56
W23	23 29	15 12	4 32	19 32	3 42	20 39	1 2	8 0	0 52	15 52	1 0	16 27	2 12	4 13	0 45	11 35	1 50	5 47	13 27	13 2	12 39	24 46	9 22	0 56
T 24	23 28	9 45	3 55	19 21	3 55	20 53	1 0	7 46	0 51	15 55	1 0	16 26	2 12	4 12	0 45	11 35	1 50	5 47	13 27	13 1	12 38	24 48	9 23	0 56
F 25	23 26	3 47	3 4	19 12	4 6	21 6	0 58	7 33	0 50	15 59	1 0	16 26	2 12	4 12	0 45	11 35	1 50	5 47	13 27	13 1	12 37	24 49	9 23	0 56
S 26	23 24	2s32	2 1	19 3	4 17	21 18	0 55	7 19	0 49	16 2	1 0	16 25	2 11	4 11	0 45	11 34	1 50	5 47	13 28	13 1	12 36	24 51	9 24	0 56
S 27	23 22	8 53	0 50	18 56	4 25	21 30	0 53	7 5	0 48	16 5	1 0	16 25	2 11	4 11	0 45	11 34	1 50	5 47	13 28	13 1	12 35	24 53	9 24	0 56
M28	23 20	14 59	0s25	18 50	4 33	21 41	0 50	6 51	0 47	16 8	1 0	16 24	2 11	4 10	0 45	11 34	1 50	5 47	13 28	13 1	12 34	24 55	9 25	0 56
T 29	23 17	20 23	1 41	18 46	4 39	21 52	0 48	6 37	0 46	16 12	1 0	16 24	2 11	4 9	0 45	11 34	1 50	5 47	13 28	13 0	12 33	24 56	9 25	0 56
W30	23n13	24s37	2s52	18n42	4s43	22n 2	0s46	6n23	0n45	16n15	1s 0	16s23	2n11	4n 9	0n45	11s34	1n50	5n47	13s28	12n59	12n32	24n58	9n26	0n56

Julian Day Number = 2317287.5, Delta T = 56.05 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'35, Lahiri = 18°43'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

JULY 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 56	9♋23'33	23♐42	3°R37	17♊37	16♍ 9	18♉ 7	22°R42	21♍19	5°R13	24♉15	4°R13	2♉55	9♊41	21♈58	T 1
F 2	18 41 52	10°20'43	8♑49	3♋ 8	18°50	16°43	18°18	22♏39	21°21	5♏13	24°16	4♉ 5	2°52	9°48	21°59	F 2
S 3	18 45 49	11°17'54	23°48	2°42	20° 2	17°17	18°29	22°37	21°23	5°12	24°17	3°55	2°49	9°54	22° 1	S 3
S 4	18 49 45	12°15'04	8♒30	2°19	21°15	17°52	18°41	22°35	21°25	5°12	24°18	3°45	2°46	10° 1	22° 2	S 4
M 5	18 53 42	13°12'15	22°48	2° 0	22°28	18°26	18°52	22°33	21°26	5°12	24°19	3°37	2°43	10° 8	22° 3	M 5
T 6	18 57 39	14° 9'25	6♓38	1°46	23°41	19° 0	19° 3	22°31	21°28	5°11	24°20	3°30	2°39	10°14	22° 4	T 6
W 7	19 1 35	15° 6'37	19°59	1°36	24°54	19°35	19°13	22°29	21°30	5°11	24°21	3°25	2°36	10°21	22° 5	W 7
T 8	19 5 32	16° 3'49	2♈53	1°D32	26° 7	20°10	19°24	22°27	21°32	5°11	24°22	3°22	2°33	10°28	22° 6	T 8
F 9	19 9 28	17° 1'01	15°23	1°32	27°19	20°44	19°35	22°26	21°34	5°10	24°23	3°D22	2°30	10°35	22° 7	F 9
S 10	19 13 25	17°58'15	27°35	1°38	28°32	21°19	19°45	22°24	21°37	5°10	24°24	3°R22	2°27	10°41	22° 8	S 10
S 11	19 17 21	18°55'28	9♉34	1°50	29°45	21°54	19°56	22°23	21°39	5°10	24°25	3°22	2°24	10°48	22° 9	S 11
M12	19 21 18	19°52'43	21°24	2° 7	0♋58	22°29	20° 6	22°21	21°41	5°10	24°26	3°21	2°20	10°55	22°10	M12
T 13	19 25 14	20°49'58	3♊12	2°29	2°12	23° 5	20°16	22°20	21°43	5°10	24°26	3°17	2°17	11° 1	22°11	T 13
W14	19 29 11	21°47'14	15° 1	2°57	3°25	23°40	20°26	22°19	21°46	5°10	24°27	3°11	2°14	11° 8	22°11	W14
T 15	19 33 8	22°44'31	26°54	3°31	4°38	24°15	20°36	22°17	21°48	5° 9	24°28	3° 2	2°11	11°15	22°12	T 15
F 16	19 37 4	23°41'48	8♋55	4°10	5°51	24°51	20°46	22°16	21°50	5° 9	24°29	2°51	2° 8	11°21	22°12	F 16
S 17	19 41 1	24°39'06	21° 5	4°55	7° 4	25°27	20°56	22°16	21°53	5°D 9	24°30	2°38	2° 4	11°28	22°13	S 17
S 18	19 44 57	25°36'25	3♌24	5°45	8°17	26° 2	21° 6	22°15	21°55	5° 9	24°30	2°25	2° 1	11°35	22°13	S 18
M19	19 48 54	26°33'44	15°54	6°41	9°31	26°38	21°15	22°14	21°58	5° 9	24°31	2°12	1°58	11°41	22°14	M19
T 20	19 52 50	27°31'03	28°35	7°42	10°44	27°14	21°25	22°13	22° 0	5°10	24°32	2° 1	1°55	11°48	22°14	T 20
W21	19 56 47	28°28'23	11♍28	8°49	11°57	27°50	21°34	22°13	22° 3	5°10	24°33	1°53	1°52	11°55	22°14	W21
T 22	20 0 43	29°25'44	24°32	10° 0	13°11	28°26	21°43	22°12	22° 5	5°10	24°33	1°47	1°49	12° 1	22°15	T 22
F 23	20 4 40	0♎23'05	7♎49	11°17	14°24	29° 3	21°52	22°12	22° 8	5°10	24°34	1°44	1°45	12° 8	22°15	F 23
S 24	20 8 37	1°20'27	21°20	12°38	15°37	29°39	22° 1	22°12	22°11	5°10	24°34	1°43	1°42	12°15	22°15	S 24
S 25	20 12 33	2°17'49	5♏ 7	14° 4	16°51	0♎15	22°10	22°11	22°13	5°11	24°35	1°42	1°39	12°21	22°15	S 25
M26	20 16 30	3°15'12	19°11	15°35	18° 4	0°52	22°19	22°D11	22°16	5°11	24°36	1°42	1°36	12°28	22°R15	M26
T 27	20 20 26	4°12'35	3♐31	17°10	19°18	1°28	22°27	22°11	22°19	5°11	24°36	1°40	1°33	12°35	22°15	T 27
W28	20 24 23	5°10'00	18° 5	18°49	20°31	2° 5	22°36	22°11	22°22	5°11	24°37	1°36	1°30	12°41	22°15	W28
T 29	20 28 19	6° 7'24	2♑48	20°32	21°45	2°42	22°44	22°12	22°25	5°12	24°37	1°29	1°26	12°48	22°15	T 29
F 30	20 32 16	7° 4'50	17°36	22°19	22°58	3°19	22°52	22°12	22°27	5°12	24°38	1°20	1°23	12°55	22°15	F 30
S 31	20 36 12	8♌ 2'17	2♒18	24♋ 8	24♋12	3♎56	23♉ 0	22♏12	22♍30	5♏13	24♉38	1♉ 9	1♉20	13♊ 1	22♈14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n 9	27s11	3s51	18n41	4s46	22n12	0s43	6n 9	0n44	16n18	1s 0	16s23	2n10	4n 8	0n45	11s34	1n50	5n47	13s28	12n57	12n31	25n 0	9n26	0n56
F 2	23 5	27 45	4 34	18 40	4 47	22 21	0 41	5 55	0 43	16 21	1 0	16 23	2 10	4 7	0 45	11 34	1 50	5 48	13 29	12 54	12 30	25 2	9 27	0 56
S 3	23 0	26 17	4 58	18 41	4 47	22 29	0 38	5 41	0 42	16 24	1 0	16 22	2 10	4 6	0 44	11 34	1 50	5 48	13 29	12 51	12 28	25 3	9 27	0 56
S 4	22 55	23 1	5 2	18 43	4 45	22 36	0 36	5 26	0 41	16 27	1 0	16 22	2 10	4 6	0 44	11 34	1 50	5 48	13 29	12 48	12 27	25 5	9 28	0 56
M 5	22 50	18 27	4 46	18 47	4 41	22 43	0 33	5 12	0 40	16 30	1 0	16 22	2 9	4 5	0 44	11 33	1 50	5 48	13 29	12 45	12 26	25 7	9 28	0 56
T 6	22 44	13 2	4 14	18 52	4 37	22 50	0 31	4 57	0 39	16 33	1 1	16 21	2 9	4 4	0 44	11 33	1 50	5 48	13 29	12 42	12 25	25 8	9 29	0 56
W 7	22 38	7 11	3 29	18 58	4 30	22 55	0 28	4 43	0 38	16 36	1 1	16 21	2 9	4 3	0 44	11 33	1 50	5 48	13 29	12 41	12 24	25 10	9 29	0 56
T 8	22 31	1 13	2 34	19 6	4 23	23 0	0 26	4 28	0 37	16 39	1 1	16 21	2 9	4 2	0 44	11 33	1 49	5 48	13 30	12 40	12 23	25 12	9 29	0 56
F 9	22 24	4n37	1 34	19 14	4 15	23 5	0 23	4 14	0 36	16 41	1 1	16 21	2 9	4 2	0 44	11 33	1 49	5 48	13 30	12 40	12 22	25 13	9 30	0 56
S 10	22 17	10 9	0 31	19 24	4 5	23 8	0 20	3 59	0 35	16 44	1 1	16 20	2 8	4 1	0 44	11 33	1 49	5 48	13 30	12 40	12 21	25 15	9 30	0 56
S 11	22 9	15 13	0n33	19 34	3 55	23 12	0 18	3 45	0 34	16 47	1 1	16 20	2 8	4 0	0 44	11 33	1 49	5 48	13 30	12 40	12 20	25 17	9 30	0 56
M12	22 1	19 40	1 34	19 45	3 43	23 14	0 15	3 30	0 33	16 49	1 1	16 20	2 8	3 59	0 44	11 33	1 49	5 48	13 30	12 39	12 19	25 18	9 31	0 56
T 13	21 52	23 19	2 31	19 57	3 31	23 16	0 13	3 15	0 32	16 52	1 1	16 20	2 8	3 58	0 44	11 33	1 49	5 48	13 31	12 38	12 18	25 20	9 31	0 56
W14	21 43	25 59	3 21	20 9	3 19	23 17	0 10	3 0	0 32	16 55	1 1	16 20	2 7	3 57	0 44	11 33	1 49	5 48	13 31	12 36	12 16	25 22	9 31	0 56
T 15	21 34	27 30	4 3	20 21	3 5	23 17	0 8	2 45	0 31	16 57	1 1	16 20	2 7	3 56	0 44	11 33	1 49	5 48	13 31	12 33	12 15	25 23	9 31	0 56
F 16	21 24	27 45	4 35	20 34	2 52	23 17	0 5	2 30	0 30	17 0	1 1	16 20	2 7	3 55	0 44	11 33	1 49	5 48	13 31	12 29	12 14	25 25	9 31	0 56
S 17	21 14	26 40	4 54	20 46	2 38	23 16	0 2	2 15	0 29	17 2	1 1	16 20	2 7	3 54	0 44	11 33	1 49	5 48	13 31	12 25	12 13	25 27	9 32	0 56
S 18	21 4	24 18	5 0	20 59	2 23	23 14	0n 0	2 0	0 28	17 5	1 2	16 20	2 6	3 53	0 44	11 33	1 49	5 48	13 32	12 20	12 12	25 28	9 32	0 56
M19	20 53	20 44	4 52	21 11	2 9	23 12	0 3	1 45	0 27	17 7	1 2	16 20	2 6	3 52	0 44	11 34	1 49	5 48	13 32	12 16	12 11	25 30	9 32	0 56
T 20	20 42	16 11	4 29	21 22	1 54	23 8	0 5	1 30	0 26	17 10	1 2	16 20	2 6	3 51	0 44	11 34	1 49	5 48	13 32	12 12	12 10	25 31	9 32	0 56
W21	20 31	10 51	3 52	21 33	1 39	23 5	0 8	1 15	0 25	17 12	1 2	16 20	2 6	3 50	0 44	11 34	1 49	5 48	13 32	12 9	12 9	25 33	9 32	0 56
T 22	20 19	4 58	3 3	21 42	1 25	23 0	0 10	1 0	0 24	17 14	1 2	16 20	2 5	3 49	0 44	11 34	1 49	5 48	13 33	12 7	12 8	25 35	9 32	0 56
F 23	20 7	1s14	2 3	21 51	1 10	22 55	0 13	0 44	0 23	17 16	1 2	16 20	2 5	3 48	0 44	11 34	1 49	5 47	13 33	12 6	12 7	25 36	9 32	0 56
S 24	19 54	7 30	0 55	21 58	0 56	22 49	0 15	0 29	0 23	17 19	1 2	16 21	2 5	3 47	0 44	11 34	1 49	5 47	13 33	12 6	12 5	25 38	9 32	0 55
S 25	19 41	13 32	0s18	22 3	0 41	22 43	0 18	0 14	0 22	17 21	1 2	16 21	2 5	3 46	0 44	11 34	1 48	5 47	13 33	12 6	12 4	25 39	9 32	0 55
M26	19 28	19 1	1 31	22 7	0 28	22 36	0 20	0s 2	0 21	17 23	1 2	16 21	2 4	3 45	0 44	11 34	1 48	5 47	13 33	12 5	12 3	25 41	9 32	0 55
T 27	19 15	23 31	2 40	22 9	0 14	22 28	0 22	0 17	0 20	17 25	1 3	16 21	2 4	3 43	0 44	11 35	1 48	5 47	13 34	12 5	12 2	25 42	9 32	0 55
W28	19 1	26 35	3 39	22 9	0 1	22 20	0 25	0 32	0 19	17 27	1 3	16 22	2 4	3 42	0 44	11 35	1 48	5 47	13 34	12 3	12 1	25 44	9 32	0 55
T 29	18 47	27 52	4 24	22 6	0n11	22 11	0 27	0 48	0 18	17 29	1 3	16 22	2 4	3 41	0 44	11 35	1 48	5 47	13 34	12 1	12 0	25 45	9 32	0 55
F 30	18 32	27 9	4 52	22 1	0 23	22 1	0 29	1 3	0 17	17 31	1 3	16 22	2 3	3 40	0 44	11 35	1 48	5 47	13 34	11 58	11 59	25 47	9 32	0 55
S 31	18n18	24s34	5s 0	21n53	0n34	21n50	0n32	1s19	0n17	17n33	1s 3	16s22	2n 3	3n39	0n43	11s35	1n48	5n47	13s35	11n54	11n58	25n48	9n32	0n55

Julian Day Number = 2317317.5, Delta T = 55.99 sec
Ecliptic obliquity = 23°29'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'39, Lahiri = 18°43'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

AUGUST 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 40 9	8♌59'44	16♒49	26♋ 1	25♋26	4♎33	23♉ 8	22♏13	22♍33	5♏13	24♉39	0°R57	1♉17	13♊ 8	22°R14	S 1
M 2	20 44 6	9°57'12	0♓59	27°56	26°39	5°10	23°16	22°13	22°36	5°14	24°39	0♉47	1°14	13°15	22♈14	M 2
T 3	20 48 2	10°54'42	14°46	29°53	27°53	5°47	23°23	22°14	22°39	5°14	24°40	0°39	1°10	13°21	22°13	T 3
W 4	20 51 59	11°52'13	28° 6	1♌53	29° 7	6°25	23°31	22°15	22°42	5°15	24°40	0°33	1° 7	13°28	22°13	W 4
T 5	20 55 55	12°49'45	11♈ 1	3°53	0♌20	7° 2	23°38	22°16	22°46	5°15	24°41	0°29	1° 4	13°35	22°12	T 5
F 6	20 59 52	13°47'19	23°33	5°54	1°34	7°40	23°45	22°17	22°49	5°16	24°41	0°28	1° 1	13°42	22°12	F 6
S 7	21 3 48	14°44'54	5♉47	7°57	2°48	8°17	23°52	22°18	22°52	5°17	24°41	0°D28	0°58	13°48	22°11	S 7
S 8	21 7 45	15°42'30	17°47	9°59	4° 2	8°55	23°59	22°19	22°55	5°17	24°42	0°R28	0°55	13°55	22°10	S 8
M 9	21 11 41	16°40'08	29°39	12° 2	5°16	9°33	24° 6	22°20	22°58	5°18	24°42	0°27	0°51	14° 2	22°10	M 9
T 10	21 15 38	17°37'48	11♊28	14° 4	6°30	10°10	24°12	22°22	23° 1	5°19	24°42	0°25	0°48	14° 8	22° 9	T 10
W11	21 19 35	18°35'29	23°20	16° 7	7°43	10°48	24°19	22°23	23° 5	5°20	24°43	0°20	0°45	14°15	22° 8	W11
T 12	21 23 31	19°33'12	5♋17	18° 8	8°57	11°26	24°25	22°25	23° 8	5°20	24°43	0°13	0°42	14°22	22° 7	T 12
F 13	21 27 28	20°30'56	17°25	20° 9	10°11	12° 5	24°31	22°26	23°11	5°21	24°43	0° 3	0°39	14°28	22° 6	F 13
S 14	21 31 24	21°28'42	29°45	22° 9	11°25	12°43	24°37	22°28	23°15	5°22	24°43	29♈52	0°36	14°35	22° 5	S 14
S 15	21 35 21	22°26'30	12♌18	24° 8	12°40	13°21	24°43	22°30	23°18	5°23	24°44	29°40	0°32	14°42	22° 4	S 15
M16	21 39 17	23°24'18	25° 5	26° 6	13°54	13°59	24°48	22°32	23°21	5°24	24°44	29°28	0°29	14°48	22° 3	M16
T 17	21 43 14	24°22'08	8♍ 6	28° 2	15° 8	14°38	24°54	22°34	23°25	5°25	24°44	29°18	0°26	14°55	22° 2	T 17
W18	21 47 10	25°20'00	21°19	29°58	16°22	15°17	24°59	22°36	23°28	5°26	24°44	29°11	0°23	15° 2	22° 1	W18
T 19	21 51 7	26°17'53	4♎43	1♍52	17°36	15°55	25° 4	22°38	23°32	5°27	24°44	29° 6	0°20	15° 8	21°59	T 19
F 20	21 55 4	27°15'47	18°17	3°45	18°50	16°34	25° 9	22°41	23°35	5°28	24°44	29° 3	0°16	15°15	21°58	F 20
S 21	21 59 0	28°13'42	2♏ 1	5°37	20° 4	17°13	25°14	22°43	23°39	5°29	24°44	29°D 3	0°13	15°22	21°57	S 21
S 22	22 2 57	29°11'39	15°54	7°27	21°19	17°52	25°18	22°45	23°42	5°30	24°45	29° 3	0°10	15°28	21°55	S 22
M23	22 6 53	0♍ 9'37	29°56	9°16	22°33	18°31	25°23	22°48	23°46	5°32	24°45	29°R 4	0° 7	15°35	21°54	M23
T 24	22 10 50	1° 7'37	14♐ 7	11° 4	23°47	19°10	25°27	22°51	23°49	5°33	24°R45	29° 3	0° 4	15°42	21°52	T 24
W25	22 14 46	2° 5'38	28°24	12°51	25° 2	19°49	25°31	22°53	23°53	5°34	24°45	29° 1	0° 1	15°48	21°51	W25
T 26	22 18 43	3° 3'40	12♑45	14°36	26°16	20°28	25°35	22°56	23°56	5°35	24°45	28°56	29♈57	15°55	21°49	T 26
F 27	22 22 39	4° 1'44	27° 7	16°20	27°30	21° 7	25°39	22°59	24° 0	5°36	24°45	28°49	29°54	16° 2	21°47	F 27
S 28	22 26 36	4°59'49	11♒24	18° 3	28°45	21°47	25°42	23° 2	24° 4	5°38	24°44	28°40	29°51	16° 9	21°46	S 28
S 29	22 30 33	5°57'56	25°31	19°44	29°59	22°26	25°45	23° 5	24° 7	5°39	24°44	28°32	29°48	16°15	21°44	S 29
M30	22 34 29	6°56'04	9♓22	21°24	1♍13	23° 6	25°48	23° 9	24°11	5°40	24°44	28°24	29°45	16°22	21°42	M30
T 31	22 38 26	7♍54'14	22♓55	23♍ 3	2♍28	23♎45	25♉51	23♏12	24♍14	5♏42	24♉44	28♈17	29♈42	16♊29	21♈40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 3	20s25	4s49	21n43	0n44	21n39	0n34	1s34	0n16	17n35	1s 3	16s23	2n 3	3n38	0n43	11s35	1n48	5n47	13s35	11n50	11n57	25n50	9n32	0n55
M 2	17 47	15 12	4 20	21 30	0 54	21 28	0 36	1 50	0 15	17 36	1 3	16 23	2 3	3 36	0 43	11 36	1 48	5 46	13 35	11 46	11 56	25 51	9 32	0 55
T 3	17 32	9 21	3 37	21 15	1 3	21 15	0 38	2 5	0 14	17 38	1 3	16 24	2 2	3 35	0 43	11 36	1 48	5 46	13 35	11 43	11 54	25 53	9 31	0 55
W 4	17 16	3 14	2 42	20 56	1 11	21 2	0 41	2 21	0 13	17 40	1 3	16 24	2 2	3 34	0 43	11 36	1 48	5 46	13 36	11 41	11 53	25 54	9 31	0 55
T 5	17 0	2n49	1 41	20 35	1 18	20 49	0 43	2 36	0 12	17 42	1 4	16 25	2 2	3 33	0 43	11 36	1 48	5 46	13 36	11 40	11 52	25 56	9 31	0 55
F 6	16 43	8 36	0 37	20 12	1 25	20 35	0 45	2 52	0 12	17 43	1 4	16 25	2 2	3 31	0 43	11 37	1 48	5 46	13 36	11 40	11 51	25 57	9 31	0 55
S 7	16 27	13 55	0n28	19 46	1 30	20 20	0 47	3 8	0 11	17 45	1 4	16 26	2 1	3 30	0 43	11 37	1 48	5 46	13 36	11 40	11 50	25 59	9 30	0 55
S 8	16 10	18 37	1 31	19 18	1 35	20 5	0 49	3 23	0 10	17 47	1 4	16 26	2 1	3 29	0 43	11 37	1 48	5 46	13 37	11 40	11 49	26 0	9 30	0 55
M 9	15 52	22 32	2 28	18 48	1 39	19 49	0 51	3 39	0 9	17 48	1 4	16 27	2 1	3 27	0 43	11 38	1 48	5 45	13 37	11 39	11 48	26 2	9 30	0 55
T 10	15 35	25 30	3 19	18 16	1 42	19 32	0 53	3 55	0 8	17 50	1 4	16 27	2 1	3 26	0 43	11 38	1 48	5 45	13 37	11 38	11 47	26 3	9 30	0 55
W11	15 17	27 21	4 2	17 41	1 44	19 15	0 55	4 10	0 8	17 51	1 4	16 28	2 0	3 25	0 43	11 38	1 47	5 45	13 37	11 37	11 46	26 5	9 29	0 55
T 12	14 59	27 57	4 34	17 6	1 45	18 58	0 56	4 26	0 7	17 52	1 4	16 29	2 0	3 24	0 43	11 39	1 47	5 45	13 38	11 34	11 44	26 6	9 29	0 55
F 13	14 41	27 13	4 55	16 28	1 46	18 40	0 58	4 41	0 6	17 54	1 4	16 29	2 0	3 22	0 43	11 39	1 47	5 45	13 38	11 31	11 43	26 8	9 28	0 55
S 14	14 22	25 10	5 2	15 50	1 46	18 21	1 0	4 57	0 5	17 55	1 5	16 30	2 0	3 21	0 43	11 39	1 47	5 44	13 38	11 27	11 42	26 9	9 28	0 55
S 15	14 4	21 51	4 55	15 10	1 45	18 2	1 1	5 13	0 4	17 56	1 5	16 31	1 59	3 20	0 43	11 40	1 47	5 44	13 38	11 23	11 41	26 10	9 28	0 55
M16	13 45	17 28	4 33	14 29	1 44	17 42	1 3	5 28	0 4	17 58	1 5	16 31	1 59	3 18	0 43	11 40	1 47	5 44	13 39	11 19	11 40	26 12	9 27	0 55
T 17	13 26	12 12	3 56	13 47	1 42	17 22	1 5	5 44	0 3	17 59	1 5	16 32	1 59	3 17	0 43	11 40	1 47	5 44	13 39	11 15	11 39	26 13	9 27	0 55
W18	13 6	6 19	3 7	13 4	1 40	17 1	1 6	6 0	0 2	18 0	1 5	16 33	1 59	3 15	0 43	11 41	1 47	5 44	13 39	11 12	11 38	26 15	9 26	0 55
T 19	12 47	0 3	2 6	12 20	1 37	16 40	1 8	6 15	0 1	18 1	1 5	16 34	1 58	3 14	0 43	11 41	1 47	5 43	13 39	11 11	11 37	26 16	9 26	0 55
F 20	12 27	6s18	0 57	11 36	1 34	16 18	1 9	6 31	0 1	18 2	1 5	16 34	1 58	3 13	0 43	11 41	1 47	5 43	13 40	11 10	11 36	26 17	9 25	0 55
S 21	12 7	12 27	0s16	10 52	1 30	15 56	1 10	6 47	0s 0	18 3	1 6	16 35	1 58	3 11	0 43	11 42	1 47	5 43	13 40	11 10	11 34	26 19	9 25	0 55
S 22	11 47	18 3	1 29	10 7	1 26	15 34	1 12	7 2	0 1	18 4	1 6	16 36	1 58	3 10	0 43	11 42	1 47	5 43	13 40	11 10	11 33	26 20	9 24	0 55
M23	11 26	22 44	2 37	9 22	1 21	15 11	1 13	7 18	0 2	18 5	1 6	16 37	1 57	3 8	0 43	11 43	1 47	5 42	13 40	11 10	11 32	26 22	9 23	0 55
T 24	11 6	26 8	3 37	8 36	1 16	14 47	1 14	7 33	0 2	18 6	1 6	16 38	1 57	3 7	0 43	11 43	1 47	5 42	13 41	11 10	11 31	26 23	9 23	0 55
W25	10 45	27 52	4 23	7 51	1 11	14 23	1 15	7 49	0 3	18 7	1 6	16 39	1 57	3 6	0 43	11 44	1 47	5 42	13 41	11 9	11 30	26 24	9 22	0 54
T 26	10 24	27 45	4 54	7 5	1 5	13 59	1 16	8 4	0 4	18 7	1 6	16 40	1 57	3 4	0 43	11 44	1 47	5 42	13 41	11 7	11 29	26 26	9 22	0 54
F 27	10 3	25 46	5 5	6 19	0 59	13 35	1 17	8 20	0 5	18 8	1 6	16 41	1 56	3 3	0 43	11 45	1 47	5 41	13 41	11 4	11 28	26 27	9 21	0 54
S 28	9 42	22 10	4 58	5 33	0 53	13 10	1 18	8 35	0 5	18 9	1 6	16 42	1 56	3 1	0 43	11 45	1 47	5 41	13 42	11 2	11 27	26 28	9 20	0 54
S 29	9 21	17 19	4 33	4 48	0 47	12 44	1 19	8 51	0 6	18 10	1 7	16 43	1 56	3 0	0 43	11 46	1 46	5 41	13 42	10 58	11 25	26 30	9 20	0 54
M30	8 59	11 39	3 52	4 2	0 40	12 18	1 20	9 6	0 7	18 10	1 7	16 44	1 56	2 58	0 43	11 46	1 46	5 41	13 42	10 56	11 24	26 31	9 19	0 54
T 31	8n37	5s33	2s58	3n17	0n34	11n52	1n21	9s21	0s 8	18n11	1s 7	16s45	1n56	2n57	0n43	11s47	1n46	5n40	13s42	10n53	11n23	26n32	9n18	0n54

Julian Day Number = 2317348.5, Delta T = 55.92 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'44, Lahiri = 18°43'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

SEPTEMBER 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 42 22	8♍52'26	6♈ 6	24♍41	3♍42	24♎25	25♉54	23♏15	24♍18	5♏43	24°R44	28°R13	29♈38	16♊35	21°R38	W 1
T 2	22 46 19	9°50'39	18°56	26°18	4°57	25° 5	25°57	23°19	24°22	5°45	24♉44	28♈11	29°35	16°42	21♈36	T 2
F 3	22 50 15	10°48'55	1♉26	27°53	6°11	25°45	25°59	23°22	24°26	5°46	24°44	28°D10	29°32	16°49	21°35	F 3
S 4	22 54 12	11°47'13	13°40	29°28	7°26	26°25	26° 1	23°26	24°29	5°47	24°43	28°11	29°29	16°55	21°33	S 4
S 5	22 58 8	12°45'33	25°41	1♎ 1	8°40	27° 5	26° 3	23°29	24°33	5°49	24°43	28°13	29°26	17° 2	21°30	S 5
M 6	23 2 5	13°43'55	7♊35	2°33	9°55	27°45	26° 5	23°33	24°37	5°50	24°43	28°14	29°22	17° 9	21°28	M 6
T 7	23 6 2	14°42'19	19°25	4° 4	11°10	28°25	26° 7	23°37	24°40	5°52	24°43	28°R14	29°19	17°15	21°26	T 7
W 8	23 9 58	15°40'45	1♋18	5°34	12°24	29° 5	26° 8	23°41	24°44	5°54	24°42	28°12	29°16	17°22	21°24	W 8
T 9	23 13 55	16°39'13	13°18	7° 3	13°39	29°45	26° 9	23°45	24°48	5°55	24°42	28° 9	29°13	17°29	21°22	T 9
F 10	23 17 51	17°37'44	25°30	8°31	14°53	0♏26	26°10	23°49	24°52	5°57	24°42	28° 4	29°10	17°35	21°20	F 10
S 11	23 21 48	18°36'17	7♌57	9°57	16° 8	1° 6	26°11	23°53	24°55	5°58	24°41	27°58	29° 7	17°42	21°17	S 11
S 12	23 25 44	19°34'51	20°40	11°22	17°23	1°47	26°11	23°57	24°59	6° 0	24°41	27°52	29° 3	17°49	21°15	S 12
M13	23 29 41	20°33'28	3♍42	12°46	18°38	2°28	26°12	24° 2	25° 3	6° 2	24°41	27°45	29° 0	17°56	21°13	M13
T 14	23 33 37	21°32'07	17° 1	14° 9	19°52	3° 8	26°R12	24° 6	25° 7	6° 3	24°40	27°39	28°57	18° 2	21°10	T 14
W15	23 37 34	22°30'48	0♎37	15°31	21° 7	3°49	26°12	24°11	25°11	6° 5	24°40	27°35	28°54	18° 9	21° 8	W15
T 16	23 41 31	23°29'30	14°26	16°51	22°22	4°30	26°12	24°15	25°14	6° 7	24°39	27°33	28°51	18°16	21° 5	T 16
F 17	23 45 27	24°28'15	28°25	18°10	23°37	5°11	26°11	24°20	25°18	6° 9	24°39	27°D32	28°47	18°22	21° 3	F 17
S 18	23 49 24	25°27'01	12♏32	19°28	24°51	5°52	26°11	24°24	25°22	6°11	24°38	27°33	28°44	18°29	21° 0	S 18
S 19	23 53 20	26°25'50	26°43	20°44	26° 6	6°33	26°10	24°29	25°26	6°12	24°38	27°34	28°41	18°36	20°58	S 19
M20	23 57 17	27°24'40	10♐56	21°59	27°21	7°14	26° 9	24°34	25°29	6°14	24°37	27°36	28°38	18°42	20°55	M20
T 21	0 1 13	28°23'32	25° 8	23°12	28°36	7°56	26° 8	24°39	25°33	6°16	24°37	27°R37	28°35	18°49	20°53	T 21
W22	0 5 10	29°22'25	9♑18	24°23	29°51	8°37	26° 6	24°44	25°37	6°18	24°36	27°36	28°32	18°56	20°50	W22
T 23	0 9 6	0♎21'21	23°23	25°33	1♎ 6	9°18	26° 4	24°49	25°41	6°20	24°36	27°35	28°28	19° 2	20°47	T 23
F 24	0 13 3	1°20'18	7♒22	26°41	2°21	10° 0	26° 3	24°54	25°45	6°22	24°35	27°32	28°25	19° 9	20°45	F 24
S 25	0 17 0	2°19'16	21°12	27°46	3°35	10°41	26° 1	24°59	25°48	6°24	24°34	27°28	28°22	19°16	20°42	S 25
S 26	0 20 56	3°18'17	4♓51	28°50	4°50	11°23	25°58	25° 4	25°52	6°26	24°34	27°25	28°19	19°23	20°39	S 26
M27	0 24 53	4°17'19	18°17	29°51	6° 5	12° 5	25°56	25° 9	25°56	6°28	24°33	27°21	28°16	19°29	20°37	M27
T 28	0 28 49	5°16'23	1♈27	0♏50	7°20	12°47	25°53	25°15	26° 0	6°29	24°32	27°19	28°13	19°36	20°34	T 28
W29	0 32 46	6°15'30	14°22	1°45	8°35	13°28	25°50	25°20	26° 3	6°31	24°32	27°17	28° 9	19°43	20°31	W29
T 30	0 36 42	7♎14'38	27♈ 0	2♏38	9♎50	14♏10	25♉47	25♏26	26♍ 7	6♏33	24♉31	27°D16	28♈ 6	19♊49	20♈28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n16	0n39	1s56	2n31	0n27	11n26	1n21	9s37	0s 8	18n11	1s 7	16s46	1n55	2n55	0n43	11s47	1n46	5n40	13s43	10n52	11n22	26n33	9n17	0n54
T 2	7 54	6 40	0 50	1 46	0 19	10 59	1 22	9 52	0 9	18 12	1 7	16 47	1 55	2 54	0 43	11 48	1 46	5 40	13 43	10 51	11 21	26 35	9 17	0 54
F 3	7 32	12 16	0n18	1 2	0 12	10 32	1 23	10 7	0 10	18 12	1 7	16 48	1 55	2 52	0 43	11 48	1 46	5 40	13 43	10 51	11 20	26 36	9 16	0 54
S 4	7 9	17 17	1 23	0 17	0 5	10 5	1 23	10 22	0 10	18 12	1 7	16 49	1 55	2 51	0 43	11 49	1 46	5 39	13 43	10 51	11 19	26 37	9 15	0 54
S 5	6 47	21 32	2 23	0s27	0s 3	9 38	1 24	10 38	0 11	18 13	1 8	16 50	1 54	2 49	0 43	11 49	1 46	5 39	13 44	10 52	11 18	26 39	9 14	0 54
M 6	6 25	24 51	3 17	1 11	0 10	9 10	1 24	10 53	0 12	18 13	1 8	16 51	1 54	2 48	0 43	11 50	1 46	5 39	13 44	10 52	11 16	26 40	9 13	0 54
T 7	6 2	27 5	4 2	1 54	0 18	8 42	1 24	11 8	0 13	18 13	1 8	16 53	1 54	2 46	0 43	11 50	1 46	5 38	13 44	10 52	11 15	26 41	9 13	0 54
W 8	5 39	28 5	4 37	2 37	0 26	8 13	1 25	11 23	0 13	18 14	1 8	16 54	1 54	2 45	0 43	11 51	1 46	5 38	13 44	10 52	11 14	26 42	9 12	0 54
T 9	5 17	27 47	5 0	3 19	0 34	7 45	1 25	11 38	0 14	18 14	1 8	16 55	1 54	2 44	0 43	11 51	1 46	5 38	13 45	10 50	11 13	26 44	9 11	0 54
F 10	4 54	26 9	5 9	4 1	0 41	7 16	1 25	11 53	0 15	18 14	1 8	16 56	1 53	2 42	0 43	11 52	1 46	5 38	13 45	10 49	11 12	26 45	9 10	0 54
S 11	4 31	23 14	5 5	4 42	0 49	6 47	1 25	12 7	0 15	18 14	1 8	16 57	1 53	2 41	0 43	11 52	1 46	5 37	13 45	10 46	11 11	26 46	9 9	0 54
S 12	4 8	19 9	4 46	5 23	0 57	6 18	1 25	12 22	0 16	18 14	1 8	16 59	1 53	2 39	0 43	11 53	1 46	5 37	13 45	10 44	11 10	26 47	9 8	0 54
M13	3 45	14 4	4 11	6 3	1 5	5 49	1 25	12 37	0 17	18 14	1 9	17 0	1 53	2 37	0 43	11 54	1 46	5 37	13 46	10 42	11 9	26 48	9 7	0 54
T 14	3 22	8 15	3 23	6 43	1 13	5 19	1 25	12 51	0 17	18 14	1 9	17 1	1 53	2 36	0 43	11 54	1 46	5 36	13 46	10 40	11 7	26 50	9 6	0 54
W15	2 59	1 55	2 22	7 22	1 21	4 49	1 25	13 6	0 18	18 14	1 9	17 2	1 52	2 34	0 43	11 55	1 46	5 36	13 46	10 38	11 6	26 51	9 5	0 53
T 16	2 35	4s37	1 11	8 0	1 29	4 20	1 24	13 21	0 19	18 13	1 9	17 4	1 52	2 33	0 43	11 55	1 46	5 36	13 46	10 37	11 5	26 52	9 4	0 53
F 17	2 12	11 1	0s 5	8 37	1 36	3 50	1 24	13 35	0 19	18 13	1 9	17 5	1 52	2 31	0 43	11 56	1 46	5 35	13 46	10 37	11 4	26 53	9 3	0 53
S 18	1 49	16 55	1 21	9 14	1 44	3 20	1 24	13 49	0 20	18 13	1 9	17 6	1 52	2 30	0 43	11 57	1 46	5 35	13 47	10 37	11 3	26 54	9 2	0 53
S 19	1 25	21 57	2 33	9 50	1 52	2 49	1 23	14 3	0 21	18 13	1 9	17 8	1 52	2 28	0 43	11 57	1 46	5 35	13 47	10 38	11 2	26 55	9 1	0 53
M20	1 2	25 41	3 35	10 25	1 59	2 19	1 23	14 18	0 21	18 12	1 9	17 9	1 51	2 27	0 43	11 58	1 46	5 34	13 47	10 38	11 1	26 57	9 0	0 53
T 21	0 38	27 48	4 25	10 59	2 6	1 49	1 22	14 32	0 22	18 12	1 10	17 10	1 51	2 25	0 43	11 59	1 46	5 34	13 47	10 39	11 0	26 58	8 59	0 53
W22	0 15	28 7	4 58	11 33	2 14	1 18	1 21	14 46	0 23	18 11	1 10	17 12	1 51	2 24	0 43	11 59	1 45	5 34	13 47	10 39	10 58	26 59	8 58	0 53
T 23	0s 9	26 35	5 13	12 5	2 21	0 48	1 21	15 0	0 23	18 11	1 10	17 13	1 51	2 22	0 43	12 0	1 45	5 33	13 48	10 38	10 57	27 0	8 57	0 53
F 24	0 32	23 26	5 9	12 36	2 27	0 17	1 20	15 13	0 24	18 10	1 10	17 15	1 51	2 21	0 43	12 1	1 45	5 33	13 48	10 37	10 56	27 1	8 56	0 53
S 25	0 56	18 59	4 47	13 6	2 34	0s13	1 19	15 27	0 25	18 10	1 10	17 16	1 50	2 19	0 43	12 1	1 45	5 33	13 48	10 36	10 55	27 2	8 55	0 53
S 26	1 19	13 37	4 9	13 35	2 40	0 44	1 18	15 41	0 25	18 9	1 10	17 17	1 50	2 18	0 43	12 2	1 45	5 32	13 48	10 34	10 54	27 3	8 54	0 53
M27	1 42	7 41	3 18	14 2	2 46	1 15	1 17	15 54	0 26	18 9	1 10	17 19	1 50	2 16	0 43	12 3	1 45	5 32	13 48	10 33	10 53	27 4	8 53	0 53
T 28	2 6	1 31	2 17	14 28	2 52	1 45	1 16	16 8	0 26	18 8	1 10	17 20	1 50	2 15	0 43	12 3	1 45	5 32	13 49	10 32	10 52	27 6	8 52	0 53
W29	2 29	4n35	1 11	14 53	2 57	2 16	1 15	16 21	0 27	18 7	1 10	17 22	1 50	2 13	0 43	12 4	1 45	5 31	13 49	10 32	10 50	27 7	8 51	0 53
T 30	2s53	10n24	0s 1	15s16	3s 2	2s46	1n14	16s34	0s28	18n 6	1s10	17s23	1n50	2n12	0n43	12s 5	1n45	5n31	13s49	10n31	10n49	27n 8	8n49	0n53

Julian Day Number = 2317379.5, Delta T = 55.86 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'48, Lahiri = 18°43'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1632
geocentric

OCTOBER 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 40 39	8♎13'49	9♉24	3♏27	11♎ 5	14♏52	25°R44	25♏31	26♍11	6♏35	24°R30	27♈17	28♈ 3	19♊56	20°R26	F 1
S 2	0 44 35	9°13'02	21°34	4°13	12°20	15°34	25♉41	25°37	26°14	6°38	24♉30	27°18	28° 0	20° 3	20♈23	S 2
S 3	0 48 32	10°12'17	3♊34	4°55	13°35	16°16	25°37	25°42	26°18	6°40	24°29	27°19	27°57	20° 9	20°20	S 3
M 4	0 52 28	11°11'35	15°27	5°33	14°50	16°59	25°33	25°48	26°22	6°42	24°28	27°21	27°53	20°16	20°17	M 4
T 5	0 56 25	12°10'54	27°18	6° 6	16° 5	17°41	25°30	25°54	26°26	6°44	24°27	27°22	27°50	20°23	20°14	T 5
W 6	1 0 22	13°10'17	9♋11	6°34	17°20	18°23	25°25	25°59	26°29	6°46	24°26	27°R23	27°47	20°29	20°11	W 6
T 7	1 4 18	14° 9'41	21°10	6°56	18°35	19° 6	25°21	26° 5	26°33	6°48	24°26	27°23	27°44	20°36	20° 9	T 7
F 8	1 8 15	15° 9'08	3♌21	7°12	19°50	19°48	25°17	26°11	26°37	6°50	24°25	27°22	27°41	20°43	20° 6	F 8
S 9	1 12 11	16° 8'37	15°48	7°21	21° 5	20°31	25°12	26°17	26°40	6°52	24°24	27°21	27°38	20°50	20° 3	S 9
S 10	1 16 8	17° 8'08	28°35	7°R24	22°20	21°14	25° 7	26°23	26°44	6°54	24°23	27°19	27°34	20°56	20° 0	S 10
M11	1 20 4	18° 7'42	11♍43	7°18	23°35	21°56	25° 2	26°29	26°47	6°56	24°22	27°18	27°31	21° 3	19°57	M11
T 12	1 24 1	19° 7'17	25°14	7° 5	24°50	22°39	24°57	26°35	26°51	6°59	24°21	27°17	27°28	21°10	19°54	T 12
W13	1 27 57	20° 6'55	9♎ 7	6°43	26° 5	23°22	24°51	26°41	26°55	7° 1	24°20	27°16	27°25	21°16	19°51	W13
T 14	1 31 54	21° 6'35	23°18	6°12	27°20	24° 5	24°46	26°48	26°58	7° 3	24°20	27°D16	27°22	21°23	19°48	T 14
F 15	1 35 51	22° 6'17	7♏45	5°33	28°35	24°48	24°40	26°54	27° 2	7° 5	24°19	27°16	27°19	21°30	19°46	F 15
S 16	1 39 47	23° 6'01	22°20	4°45	29°50	25°31	24°34	27° 0	27° 5	7° 7	24°18	27°16	27°15	21°36	19°43	S 16
S 17	1 43 44	24° 5'47	6♐58	3°49	1♏ 5	26°14	24°28	27° 6	27° 9	7° 9	24°17	27°17	27°12	21°43	19°40	S 17
M18	1 47 40	25° 5'35	21°32	2°46	2°20	26°57	24°22	27°13	27°12	7°12	24°16	27°17	27° 9	21°50	19°37	M18
T 19	1 51 37	26° 5'25	5♑59	1°37	3°36	27°41	24°16	27°19	27°16	7°14	24°15	27°17	27° 6	21°57	19°34	T 19
W20	1 55 33	27° 5'16	20°13	0°23	4°51	28°24	24° 9	27°25	27°19	7°16	24°14	27°17	27° 3	22° 3	19°31	W20
T 21	1 59 30	28° 5'09	4♒14	29♎ 7	6° 6	29° 7	24° 3	27°32	27°22	7°18	24°13	27°17	26°59	22°10	19°28	T 21
F 22	2 3 26	29° 5'03	17°59	27°50	7°21	29°51	23°56	27°38	27°26	7°21	24°12	27°17	26°56	22°17	19°26	F 22
S 23	2 7 23	0♏ 4'59	1♓29	26°36	8°36	0♐34	23°49	27°45	27°29	7°23	24°11	27°17	26°53	22°23	19°23	S 23
S 24	2 11 20	1° 4'57	14°44	25°26	9°51	1°18	23°42	27°52	27°32	7°25	24°10	27°18	26°50	22°30	19°20	S 24
M25	2 15 16	2° 4'56	27°44	24°23	11° 6	2° 2	23°35	27°58	27°36	7°27	24° 9	27°18	26°47	22°37	19°17	M25
T 26	2 19 13	3° 4'57	10♈31	23°28	12°21	2°45	23°28	28° 5	27°39	7°30	24° 8	27°19	26°44	22°43	19°14	T 26
W27	2 23 9	4° 5'00	23° 6	22°43	13°36	3°29	23°21	28°11	27°42	7°32	24° 7	27°R19	26°40	22°50	19°11	W27
T 28	2 27 6	5° 5'05	5♉29	22°10	14°51	4°13	23°13	28°18	27°45	7°34	24° 6	27°19	26°37	22°57	19° 9	T 28
F 29	2 31 2	6° 5'11	17°42	21°47	16° 6	4°57	23° 6	28°25	27°49	7°36	24° 5	27°18	26°34	23° 3	19° 6	F 29
S 30	2 34 59	7° 5'20	29°46	21°D36	17°22	5°41	22°58	28°32	27°52	7°38	24° 4	27°17	26°31	23°10	19° 3	S 30
S 31	2 38 55	8♏ 5'30	11♊43	21♎37	18♏37	6♐25	22♉51	28♏38	27♍55	7♏41	24♉ 2	27♈16	26♈28	23♊17	19♈ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	3s16	15n42	1n 6	15s37	3s 7	3s17	1n13	16s47	0s28	18n 5	1s11	17s25	1n49	2n11	0n43	12s 5	1n45	5n31	13s49	10n32	10n48	27n 9	8n48	0n52
S 2	3 40	20 17	2 10	15 57	3 11	3 47	1 12	17 0	0 29	18 5	1 11	17 26	1 49	2 9	0 43	12 6	1 45	5 30	13 49	10 32	10 47	27 10	8 47	0 52
S 3	4 3	23 58	3 7	16 14	3 15	4 18	1 10	17 13	0 30	18 4	1 11	17 28	1 49	2 8	0 43	12 7	1 45	5 30	13 50	10 33	10 46	27 11	8 46	0 52
M 4	4 26	26 36	3 56	16 30	3 17	4 48	1 9	17 25	0 30	18 3	1 11	17 29	1 49	2 6	0 43	12 7	1 45	5 30	13 50	10 33	10 45	27 12	8 45	0 52
T 5	4 49	28 2	4 34	16 43	3 20	5 18	1 7	17 38	0 31	18 2	1 11	17 31	1 49	2 5	0 43	12 8	1 45	5 29	13 50	10 33	10 44	27 13	8 44	0 52
W 6	5 13	28 10	5 1	16 54	3 21	5 48	1 6	17 50	0 31	18 1	1 11	17 32	1 49	2 3	0 43	12 9	1 45	5 29	13 50	10 34	10 42	27 14	8 43	0 52
T 7	5 36	27 0	5 15	17 2	3 22	6 18	1 4	18 3	0 32	17 59	1 11	17 34	1 48	2 2	0 43	12 10	1 45	5 29	13 50	10 34	10 41	27 15	8 42	0 52
F 8	5 59	24 33	5 15	17 7	3 21	6 48	1 3	18 15	0 33	17 58	1 11	17 35	1 48	2 0	0 43	12 10	1 45	5 28	13 50	10 33	10 40	27 16	8 40	0 52
S 9	6 22	20 54	5 0	17 8	3 20	7 18	1 1	18 27	0 33	17 57	1 11	17 37	1 48	1 59	0 43	12 11	1 45	5 28	13 51	10 33	10 39	27 17	8 39	0 52
S 10	6 45	16 13	4 31	17 6	3 17	7 47	1 0	18 39	0 34	17 56	1 11	17 38	1 48	1 57	0 43	12 12	1 45	5 28	13 51	10 32	10 38	27 18	8 38	0 52
M11	7 7	10 40	3 46	17 1	3 13	8 17	0 58	18 50	0 34	17 55	1 11	17 40	1 48	1 56	0 43	12 12	1 45	5 27	13 51	10 32	10 37	27 19	8 37	0 52
T 12	7 30	4 28	2 48	16 51	3 7	8 46	0 56	19 2	0 35	17 53	1 11	17 41	1 48	1 55	0 43	12 13	1 45	5 27	13 51	10 32	10 36	27 20	8 36	0 52
W13	7 53	2s 6	1 39	16 37	3 0	9 15	0 54	19 13	0 35	17 52	1 11	17 43	1 47	1 53	0 43	12 14	1 45	5 27	13 51	10 31	10 34	27 21	8 35	0 52
T 14	8 15	8 44	0 22	16 19	2 52	9 44	0 53	19 25	0 36	17 51	1 12	17 44	1 47	1 52	0 43	12 15	1 45	5 26	13 51	10 31	10 33	27 22	8 33	0 51
F 15	8 38	15 2	0s58	15 56	2 41	10 12	0 51	19 36	0 37	17 49	1 12	17 46	1 47	1 50	0 43	12 15	1 45	5 26	13 51	10 31	10 32	27 23	8 32	0 51
S 16	9 0	20 34	2 15	15 28	2 29	10 41	0 49	19 47	0 37	17 48	1 12	17 48	1 47	1 49	0 43	12 16	1 45	5 26	13 52	10 31	10 31	27 24	8 31	0 51
S 17	9 22	24 51	3 23	14 56	2 15	11 9	0 47	19 58	0 38	17 46	1 12	17 49	1 47	1 48	0 43	12 17	1 45	5 25	13 52	10 32	10 30	27 25	8 30	0 51
M18	9 44	27 30	4 18	14 19	1 59	11 37	0 45	20 8	0 38	17 45	1 12	17 51	1 47	1 46	0 43	12 17	1 45	5 25	13 52	10 32	10 29	27 26	8 29	0 51
T 19	10 6	28 17	4 56	13 39	1 42	12 4	0 43	20 19	0 39	17 43	1 12	17 52	1 47	1 45	0 43	12 18	1 45	5 25	13 52	10 32	10 28	27 27	8 27	0 51
W20	10 27	27 9	5 15	12 55	1 23	12 32	0 41	20 29	0 39	17 41	1 12	17 54	1 46	1 44	0 43	12 19	1 45	5 24	13 52	10 32	10 26	27 28	8 26	0 51
T 21	10 49	24 20	5 15	12 10	1 3	12 59	0 38	20 39	0 40	17 40	1 12	17 55	1 46	1 42	0 43	12 20	1 45	5 24	13 52	10 32	10 25	27 29	8 25	0 51
F 22	11 10	20 11	4 57	11 23	0 43	13 25	0 36	20 49	0 40	17 38	1 12	17 57	1 46	1 41	0 43	12 20	1 45	5 24	13 52	10 32	10 24	27 30	8 24	0 51
S 23	11 31	15 3	4 23	10 37	0 22	13 52	0 34	20 59	0 41	17 37	1 12	17 59	1 46	1 40	0 43	12 21	1 45	5 23	13 52	10 32	10 23	27 30	8 23	0 51
S 24	11 52	9 20	3 35	9 53	0 1	14 18	0 32	21 8	0 41	17 35	1 12	18 0	1 46	1 38	0 43	12 22	1 45	5 23	13 52	10 32	10 22	27 31	8 22	0 51
M25	12 13	3 18	2 37	9 11	0n19	14 43	0 30	21 18	0 42	17 33	1 12	18 2	1 46	1 37	0 43	12 23	1 45	5 23	13 52	10 32	10 21	27 32	8 21	0 50
T 26	12 34	2n46	1 32	8 33	0 37	15 8	0 27	21 27	0 42	17 31	1 12	18 3	1 46	1 36	0 43	12 23	1 45	5 22	13 53	10 32	10 20	27 33	8 19	0 50
W27	12 54	8 38	0 23	8 0	0 55	15 33	0 25	21 36	0 43	17 29	1 12	18 5	1 46	1 34	0 43	12 24	1 45	5 22	13 53	10 32	10 18	27 34	8 18	0 50
T 28	13 15	14 5	0n45	7 33	1 11	15 58	0 23	21 45	0 43	17 28	1 12	18 6	1 46	1 33	0 43	12 25	1 45	5 22	13 53	10 32	10 17	27 35	8 17	0 50
F 29	13 35	18 55	1 51	7 11	1 25	16 22	0 21	21 53	0 44	17 26	1 12	18 8	1 45	1 32	0 43	12 25	1 45	5 21	13 53	10 32	10 16	27 36	8 16	0 50
S 30	13 54	22 55	2 50	6 56	1 38	16 46	0 18	22 1	0 44	17 24	1 12	18 10	1 45	1 31	0 43	12 26	1 45	5 21	13 53	10 32	10 15	27 37	8 15	0 50
S 31	14s14	25n54	3n42	6s46	1n48	17s 9	0n16	22s10	0s45	17n22	1s12	18s11	1n45	1n29	0n43	12s27	1n45	5n21	13s53	10n31	10n14	27n37	8n14	0n50

Julian Day Number = 2317409.5, Delta T = 55.79 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'52, Lahiri = 18°43'53Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1632
geocentric

NOVEMBER 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 42 52	9♏ 5'43	23♊35	21♎49	19♏52	7♐ 9	22°R43	28♏45	27♍58	7♏43	24°R 1	27°R14	26♈24	23♊24	18°R58	M 1
T 2	2 46 49	10° 5'57	5♋25	22°10	21° 7	7°53	22♉35	28°52	28° 1	7°45	24♉ 0	27♈12	26°21	23°30	18♈55	T 2
W 3	2 50 45	11° 6'13	17°17	22°42	22°22	8°37	22°27	28°59	28° 4	7°47	23°59	27°11	26°18	23°37	18°53	W 3
T 4	2 54 42	12° 6'32	29°15	23°22	23°37	9°22	22°19	29° 6	28° 7	7°50	23°58	27° 9	26°15	23°44	18°50	T 4
F 5	2 58 38	13° 6'52	11♌23	24° 9	24°52	10° 6	22°11	29°13	28°10	7°52	23°57	27°D 9	26°12	23°50	18°47	F 5
S 6	3 2 35	14° 7'15	23°46	25° 4	26° 7	10°51	22° 3	29°20	28°13	7°54	23°56	27° 9	26° 9	23°57	18°45	S 6
S 7	3 6 31	15° 7'39	6♍27	26° 5	27°22	11°35	21°55	29°27	28°16	7°56	23°55	27°10	26° 5	24° 4	18°42	S 7
M 8	3 10 28	16° 8'05	19°32	27°10	28°37	12°20	21°47	29°34	28°19	7°59	23°54	27°12	26° 2	24°11	18°40	M 8
T 9	3 14 24	17° 8'33	3♎ 3	28°21	29°53	13° 4	21°39	29°40	28°22	8° 1	23°53	27°13	25°59	24°17	18°37	T 9
W10	3 18 21	18° 9'03	17° 0	29°35	1♐ 8	13°49	21°31	29°47	28°24	8° 3	23°51	27°14	25°56	24°24	18°35	W10
T 11	3 22 18	19° 9'34	1♏22	0♏52	2°23	14°34	21°23	29°54	28°27	8° 5	23°50	27°R14	25°53	24°31	18°33	T 11
F 12	3 26 14	20°10'08	16° 6	2°13	3°38	15°18	21°15	0♐ 2	28°30	8° 8	23°49	27°13	25°50	24°37	18°30	F 12
S 13	3 30 11	21°10'43	1♐ 5	3°35	4°53	16° 3	21° 6	0° 9	28°32	8°10	23°48	27°11	25°46	24°44	18°28	S 13
S 14	3 34 7	22°11'19	16° 9	5° 0	6° 8	16°48	20°58	0°16	28°35	8°12	23°47	27° 8	25°43	24°51	18°26	S 14
M15	3 38 4	23°11'57	1♑10	6°26	7°23	17°33	20°50	0°23	28°38	8°14	23°46	27° 4	25°40	24°57	18°23	M15
T 16	3 42 0	24°12'37	15°59	7°54	8°38	18°18	20°42	0°30	28°40	8°16	23°45	27° 1	25°37	25° 4	18°21	T 16
W17	3 45 57	25°13'17	0♒29	9°23	9°54	19° 3	20°34	0°37	28°43	8°19	23°44	26°58	25°34	25°11	18°19	W17
T 18	3 49 53	26°13'58	14°38	10°53	11° 9	19°48	20°26	0°44	28°45	8°21	23°42	26°56	25°30	25°18	18°17	T 18
F 19	3 53 50	27°14'41	28°22	12°23	12°24	20°34	20°18	0°51	28°48	8°23	23°41	26°D55	25°27	25°24	18°15	F 19
S 20	3 57 47	28°15'24	11♓44	13°54	13°39	21°19	20° 9	0°58	28°50	8°25	23°40	26°56	25°24	25°31	18°13	S 20
S 21	4 1 43	29°16'09	24°45	15°26	14°54	22° 4	20° 1	1° 5	28°52	8°27	23°39	26°57	25°21	25°38	18°11	S 21
M22	4 5 40	0♐16'54	7♈28	16°58	16° 9	22°50	19°54	1°12	28°55	8°29	23°38	26°59	25°18	25°44	18° 9	M22
T 23	4 9 36	1°17'41	19°57	18°31	17°24	23°35	19°46	1°19	28°57	8°31	23°37	27° 0	25°15	25°51	18° 7	T 23
W24	4 13 33	2°18'28	2♉15	20° 3	18°39	24°20	19°38	1°26	28°59	8°34	23°36	27°R 0	25°11	25°58	18° 5	W24
T 25	4 17 29	3°19'17	14°23	21°36	19°54	25° 6	19°30	1°34	29° 1	8°36	23°35	26°59	25° 8	26° 4	18° 3	T 25
F 26	4 21 26	4°20'07	26°25	23°10	21° 9	25°51	19°22	1°41	29° 3	8°38	23°33	26°55	25° 5	26°11	18° 1	F 26
S 27	4 25 22	5°20'58	8♊22	24°43	22°24	26°37	19°15	1°48	29° 5	8°40	23°32	26°50	25° 2	26°18	18° 0	S 27
S 28	4 29 19	6°21'50	20°15	26°16	23°39	27°23	19° 7	1°55	29° 7	8°42	23°31	26°43	24°59	26°25	17°58	S 28
M29	4 33 16	7°22'44	2♋ 6	27°49	24°54	28° 8	19° 0	2° 2	29° 9	8°44	23°30	26°35	24°56	26°31	17°56	M29
T 30	4 37 12	8♐23'38	13♋58	29♏23	26♐10	28♐54	18♉53	2♐ 9	29♍11	8♏46	23♉29	26♈27	24♈52	26♊38	17♈55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s33	27n43	4n23	6s42	1n57	17s32	0n13	22s18	0s45	17n20	1s12	18s13	1n45	1n28	0n43	12s28	1n45	5n20	13s53	10n31	10n13	27n38	8n13	0n50
T 2	14 53	28 16	4 54	6 44	2 4	17 54	0 11	22 25	0 46	17 18	1 11	18 14	1 45	1 27	0 43	12 28	1 45	5 20	13 53	10 30	10 12	27 39	8 12	0 50
W 3	15 11	27 31	5 11	6 50	2 10	18 16	0 9	22 33	0 46	17 16	1 11	18 16	1 45	1 26	0 43	12 29	1 45	5 20	13 53	10 29	10 10	27 40	8 10	0 50
T 4	15 30	25 30	5 16	7 1	2 14	18 37	0 6	22 40	0 47	17 14	1 11	18 18	1 45	1 25	0 43	12 30	1 45	5 20	13 53	10 29	10 9	27 41	8 9	0 49
F 5	15 48	22 18	5 6	7 16	2 16	18 58	0 4	22 47	0 47	17 12	1 11	18 19	1 45	1 24	0 43	12 31	1 45	5 19	13 53	10 29	10 8	27 41	8 8	0 49
S 6	16 7	18 4	4 43	7 35	2 18	19 18	0 1	22 54	0 48	17 10	1 11	18 21	1 45	1 22	0 43	12 31	1 45	5 19	13 53	10 29	10 7	27 42	8 7	0 49
S 7	16 24	12 57	4 5	7 57	2 18	19 38	0s 1	23 1	0 48	17 8	1 11	18 22	1 45	1 21	0 43	12 32	1 45	5 19	13 53	10 29	10 6	27 43	8 6	0 49
M 8	16 42	7 7	3 13	8 21	2 17	19 57	0 4	23 7	0 49	17 6	1 11	18 24	1 44	1 20	0 43	12 33	1 45	5 19	13 53	10 30	10 5	27 44	8 5	0 49
T 9	16 59	0 46	2 9	8 48	2 15	20 16	0 6	23 13	0 49	17 4	1 11	18 25	1 44	1 19	0 43	12 33	1 45	5 18	13 53	10 30	10 3	27 45	8 4	0 49
W10	17 16	5s50	0 56	9 16	2 13	20 34	0 9	23 19	0 49	17 2	1 11	18 27	1 44	1 18	0 43	12 34	1 45	5 18	13 53	10 31	10 2	27 45	8 3	0 49
T 11	17 33	12 20	0s23	9 46	2 10	20 52	0 11	23 25	0 50	17 0	1 11	18 28	1 44	1 17	0 43	12 35	1 45	5 18	13 53	10 31	10 1	27 46	8 2	0 49
F 12	17 49	18 19	1 42	10 18	2 6	21 9	0 14	23 31	0 50	16 58	1 11	18 30	1 44	1 16	0 44	12 35	1 45	5 18	13 53	10 30	10 0	27 47	8 1	0 49
S 13	18 5	23 17	2 55	10 50	2 2	21 25	0 16	23 36	0 51	16 56	1 11	18 32	1 44	1 15	0 44	12 36	1 45	5 17	13 53	10 30	9 59	27 48	8 0	0 49
S 14	18 21	26 42	3 57	11 23	1 57	21 41	0 19	23 41	0 51	16 54	1 10	18 33	1 44	1 14	0 44	12 37	1 45	5 17	13 53	10 28	9 58	27 48	7 59	0 48
M15	18 37	28 11	4 42	11 56	1 51	21 56	0 21	23 46	0 52	16 52	1 10	18 35	1 44	1 13	0 44	12 38	1 45	5 17	13 53	10 27	9 56	27 49	7 58	0 48
T 16	18 52	27 37	5 8	12 30	1 46	22 11	0 23	23 50	0 52	16 50	1 10	18 36	1 44	1 12	0 44	12 38	1 45	5 17	13 53	10 26	9 55	27 50	7 57	0 48
W17	19 7	25 10	5 13	13 4	1 40	22 24	0 26	23 54	0 52	16 48	1 10	18 38	1 44	1 11	0 44	12 39	1 45	5 16	13 53	10 25	9 54	27 50	7 56	0 48
T 18	19 21	21 14	4 59	13 38	1 34	22 38	0 28	23 58	0 53	16 46	1 10	18 39	1 44	1 10	0 44	12 40	1 45	5 16	13 53	10 24	9 53	27 51	7 55	0 48
F 19	19 35	16 15	4 28	14 12	1 27	22 50	0 31	24 2	0 53	16 44	1 10	18 41	1 44	1 9	0 44	12 40	1 45	5 16	13 53	10 24	9 52	27 52	7 54	0 48
S 20	19 49	10 36	3 43	14 46	1 21	23 2	0 33	24 6	0 54	16 42	1 10	18 42	1 44	1 8	0 44	12 41	1 45	5 16	13 53	10 24	9 51	27 52	7 53	0 48
S 21	20 2	4 39	2 47	15 19	1 14	23 13	0 36	24 9	0 54	16 40	1 10	18 44	1 44	1 7	0 44	12 42	1 45	5 15	13 53	10 25	9 50	27 53	7 53	0 48
M22	20 15	1n22	1 45	15 52	1 7	23 24	0 38	24 12	0 54	16 38	1 9	18 45	1 44	1 6	0 44	12 42	1 45	5 15	13 53	10 25	9 48	27 54	7 52	0 48
T 23	20 28	7 13	0 38	16 24	1 0	23 34	0 40	24 15	0 55	16 36	1 9	18 47	1 44	1 5	0 44	12 43	1 45	5 15	13 53	10 26	9 47	27 54	7 51	0 47
W24	20 40	12 44	0n29	16 56	0 53	23 43	0 43	24 17	0 55	16 34	1 9	18 48	1 43	1 5	0 44	12 44	1 45	5 15	13 53	10 26	9 46	27 55	7 50	0 47
T 25	20 52	17 40	1 33	17 27	0 46	23 51	0 45	24 19	0 55	16 32	1 9	18 50	1 43	1 4	0 44	12 44	1 45	5 15	13 52	10 25	9 45	27 56	7 49	0 47
F 26	21 3	21 52	2 33	17 58	0 39	23 59	0 47	24 21	0 56	16 30	1 9	18 51	1 43	1 3	0 44	12 45	1 45	5 15	13 52	10 24	9 44	27 56	7 48	0 47
S 27	21 14	25 8	3 26	18 28	0 32	24 6	0 49	24 23	0 56	16 29	1 8	18 53	1 43	1 2	0 44	12 45	1 45	5 14	13 52	10 22	9 43	27 57	7 48	0 47
S 28	21 25	27 16	4 9	18 57	0 25	24 12	0 52	24 24	0 56	16 27	1 8	18 54	1 43	1 1	0 44	12 46	1 45	5 14	13 52	10 19	9 41	27 58	7 47	0 47
M29	21 35	28 9	4 41	19 25	0 18	24 17	0 54	24 25	0 57	16 25	1 8	18 55	1 43	1 1	0 44	12 47	1 45	5 14	13 52	10 16	9 40	27 58	7 46	0 47
T 30	21s45	27n45	5n 1	19s53	0n11	24s22	0s56	24s26	0s57	16n23	1s 8	18s57	1n43	1n 0	0n44	12s47	1n45	5n14	13s52	10n13	9n39	27n59	7n46	0n47

Julian Day Number = 2317440.5, Delta T = 55.73 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'56, Lahiri = 18°43'57Greg. Calendar

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DECEMBER 1632 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 41 9	9♐24'34	25♋51	0♐56	27♐25	29♐40	18°R46	2♐16	29♍13	8♏48	23°R28	26°R19	24♈49	26♊45	17°R53	W 1
T 2	4 45 5	10°25'31	7♌50	2°30	28°40	0♑26	18♉38	2°23	29°15	8°50	23♉27	26♈12	24°46	26°51	17♈52	T 2
F 3	4 49 2	11°26'29	19°57	4° 3	29°55	1°12	18°31	2°30	29°17	8°52	23°26	26° 8	24°43	26°58	17°50	F 3
S 4	4 52 58	12°27'28	2♍16	5°37	1♑10	1°58	18°25	2°37	29°18	8°54	23°25	26° 5	24°40	27° 5	17°49	S 4
S 5	4 56 55	13°28'28	14°51	7°11	2°25	2°44	18°18	2°44	29°20	8°56	23°24	26°D 5	24°36	27°12	17°47	S 5
M 6	5 0 52	14°29'29	27°47	8°45	3°40	3°30	18°11	2°51	29°22	8°58	23°23	26° 5	24°33	27°18	17°46	M 6
T 7	5 4 48	15°30'32	11♎ 8	10°18	4°55	4°16	18° 5	2°58	29°23	9° 0	23°22	26° 7	24°30	27°25	17°45	T 7
W 8	5 8 45	16°31'35	24°57	11°52	6°10	5° 2	17°59	3° 5	29°25	9° 1	23°21	26°R 7	24°27	27°32	17°44	W 8
T 9	5 12 41	17°32'40	9♏15	13°26	7°25	5°48	17°52	3°12	29°26	9° 3	23°20	26° 7	24°24	27°38	17°43	T 9
F 10	5 16 38	18°33'45	23°59	15° 0	8°40	6°34	17°46	3°19	29°27	9° 5	23°19	26° 4	24°21	27°45	17°41	F 10
S 11	5 20 34	19°34'52	9♐ 4	16°34	9°55	7°21	17°40	3°26	29°29	9° 7	23°18	25°58	24°17	27°52	17°40	S 11
S 12	5 24 31	20°35'59	24°22	18° 9	11°10	8° 7	17°35	3°33	29°30	9° 9	23°17	25°51	24°14	27°59	17°40	S 12
M13	5 28 27	21°37'07	9♑41	19°43	12°25	8°53	17°29	3°40	29°31	9°11	23°16	25°42	24°11	28° 5	17°39	M13
T 14	5 32 24	22°38'15	24°50	21°18	13°40	9°40	17°24	3°47	29°32	9°12	23°15	25°33	24° 8	28°12	17°38	T 14
W15	5 36 21	23°39'24	9♒40	22°53	14°55	10°26	17°19	3°54	29°34	9°14	23°14	25°25	24° 5	28°19	17°37	W15
T 16	5 40 17	24°40'32	24° 3	24°28	16°10	11°13	17°14	4° 0	29°35	9°16	23°13	25°19	24° 2	28°25	17°36	T 16
F 17	5 44 14	25°41'41	7♓57	26° 3	17°25	11°59	17° 9	4° 7	29°36	9°18	23°12	25°15	23°58	28°32	17°36	F 17
S 18	5 48 10	26°42'50	21°22	27°38	18°39	12°46	17° 4	4°14	29°37	9°19	23°11	25°D13	23°55	28°39	17°35	S 18
S 19	5 52 7	27°43'59	4♈22	29°14	19°54	13°32	16°59	4°21	29°38	9°21	23°10	25°13	23°52	28°45	17°34	S 19
M20	5 56 3	28°45'08	16°59	0♑50	21° 9	14°19	16°55	4°27	29°38	9°22	23° 9	25°14	23°49	28°52	17°34	M20
T 21	6 0 0	29°46'17	29°20	2°26	22°24	15° 6	16°51	4°34	29°39	9°24	23° 8	25°R14	23°46	28°59	17°33	T 21
W22	6 3 56	0♑47'26	11♉27	4° 2	23°39	15°52	16°47	4°41	29°40	9°26	23° 7	25°13	23°42	29° 6	17°33	W22
T 23	6 7 53	1°48'35	23°26	5°39	24°54	16°39	16°43	4°47	29°41	9°27	23° 6	25° 9	23°39	29°12	17°33	T 23
F 24	6 11 50	2°49'44	5♊20	7°16	26° 9	17°26	16°40	4°54	29°41	9°29	23° 6	25° 2	23°36	29°19	17°33	F 24
S 25	6 15 46	3°50'53	17°12	8°53	27°23	18°13	16°36	5° 0	29°42	9°30	23° 5	24°52	23°33	29°26	17°32	S 25
S 26	6 19 43	4°52'02	29° 3	10°30	28°38	18°59	16°33	5° 7	29°42	9°32	23° 4	24°40	23°30	29°32	17°32	S 26
M27	6 23 39	5°53'12	10♋56	12° 8	29°53	19°46	16°30	5°13	29°43	9°33	23° 3	24°27	23°27	29°39	17°32	M27
T 28	6 27 36	6°54'21	22°51	13°46	1♒ 8	20°33	16°27	5°20	29°43	9°35	23° 2	24°13	23°23	29°46	17°D32	T 28
W29	6 31 32	7°55'30	4♌50	15°24	2°22	21°20	16°25	5°26	29°44	9°36	23° 2	23°59	23°20	29°53	17°32	W29
T 30	6 35 29	8°56'40	16°54	17° 3	3°37	22° 7	16°22	5°32	29°44	9°37	23° 1	23°47	23°17	29°59	17°32	T 30
F 31	6 39 26	9♑57'49	29♌ 6	18♑42	4♒52	22♑54	16♉20	5♐39	29♍44	9♏39	23♉ 0	23♈38	23♈14	0♋ 6	17♈32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s54	26n 4	5n 8	20s19	0n 4	24s26	0s58	24s27	0s57	16n21	1s 8	18s58	1n43	0n59	0n44	12s48	1n45	5n14	13s52	10n11	9n38	27n59	7n45	0n46
T 2	22 3	23 12	5 2	20 45	0s 3	24 29	1 0	24 27	0 58	16 20	1 7	19 0	1 43	0 59	0 44	12 49	1 45	5 14	13 52	10 8	9 37	28 0	7 44	0 46
F 3	22 12	19 19	4 42	21 9	0 9	24 32	1 2	24 27	0 58	16 18	1 7	19 1	1 43	0 58	0 44	12 49	1 45	5 13	13 52	10 7	9 36	28 1	7 43	0 46
S 4	22 20	14 34	4 9	21 33	0 16	24 33	1 4	24 27	0 58	16 16	1 7	19 2	1 43	0 57	0 44	12 50	1 45	5 13	13 52	10 6	9 34	28 1	7 43	0 46
S 5	22 28	9 7	3 24	21 56	0 23	24 34	1 6	24 26	0 59	16 15	1 7	19 4	1 43	0 57	0 44	12 50	1 45	5 13	13 51	10 5	9 33	28 2	7 42	0 46
M 6	22 35	3 7	2 27	22 17	0 29	24 34	1 8	24 25	0 59	16 13	1 7	19 5	1 43	0 56	0 44	12 51	1 45	5 13	13 51	10 6	9 32	28 2	7 42	0 46
T 7	22 42	3s12	1 20	22 38	0 36	24 34	1 10	24 24	0 59	16 11	1 6	19 7	1 43	0 55	0 44	12 51	1 45	5 13	13 51	10 6	9 31	28 3	7 41	0 46
W 8	22 48	9 35	0 6	22 57	0 42	24 33	1 12	24 23	0 59	16 10	1 6	19 8	1 43	0 55	0 44	12 52	1 46	5 13	13 51	10 6	9 30	28 3	7 40	0 46
T 9	22 54	15 43	1s10	23 15	0 48	24 30	1 14	24 21	1 0	16 8	1 6	19 9	1 43	0 54	0 44	12 53	1 46	5 13	13 51	10 6	9 29	28 4	7 40	0 46
F 10	23 0	21 8	2 24	23 33	0 54	24 28	1 15	24 19	1 0	16 7	1 6	19 11	1 43	0 54	0 44	12 53	1 46	5 13	13 51	10 5	9 27	28 4	7 39	0 45
S 11	23 5	25 18	3 29	23 48	1 0	24 24	1 17	24 17	1 0	16 5	1 5	19 12	1 43	0 53	0 45	12 54	1 46	5 13	13 51	10 3	9 26	28 5	7 39	0 45
S 12	23 9	27 42	4 21	24 3	1 6	24 20	1 19	24 15	1 1	16 4	1 5	19 13	1 43	0 53	0 45	12 54	1 46	5 13	13 50	10 0	9 25	28 5	7 38	0 45
M13	23 13	28 0	4 53	24 17	1 11	24 15	1 20	24 12	1 1	16 3	1 5	19 14	1 43	0 52	0 45	12 55	1 46	5 13	13 50	9 57	9 24	28 6	7 38	0 45
T 14	23 17	26 12	5 5	24 29	1 17	24 9	1 22	24 9	1 1	16 2	1 5	19 16	1 43	0 52	0 45	12 55	1 46	5 12	13 50	9 54	9 23	28 6	7 38	0 45
W15	23 20	22 37	4 56	24 40	1 22	24 2	1 23	24 6	1 1	16 0	1 4	19 17	1 43	0 51	0 45	12 56	1 46	5 12	13 50	9 51	9 22	28 7	7 37	0 45
T 16	23 23	17 44	4 28	24 49	1 27	23 55	1 25	24 2	1 2	15 59	1 4	19 18	1 43	0 51	0 45	12 56	1 46	5 12	13 50	9 49	9 20	28 7	7 37	0 45
F 17	23 25	12 5	3 45	24 57	1 32	23 47	1 26	23 58	1 2	15 58	1 4	19 20	1 43	0 51	0 45	12 57	1 46	5 12	13 50	9 47	9 19	28 8	7 36	0 45
S 18	23 27	6 2	2 50	25 4	1 36	23 38	1 28	23 54	1 2	15 57	1 4	19 21	1 43	0 50	0 45	12 57	1 46	5 12	13 49	9 47	9 18	28 8	7 36	0 44
S 19	23 28	0n 4	1 49	25 10	1 40	23 29	1 29	23 50	1 2	15 56	1 3	19 22	1 43	0 50	0 45	12 58	1 46	5 12	13 49	9 47	9 17	28 9	7 36	0 44
M20	23 29	6 1	0 44	25 13	1 44	23 18	1 30	23 45	1 2	15 55	1 3	19 23	1 43	0 50	0 45	12 58	1 46	5 12	13 49	9 47	9 16	28 9	7 35	0 44
T 21	23 29	11 36	0n22	25 16	1 48	23 7	1 31	23 40	1 3	15 54	1 3	19 24	1 43	0 49	0 45	12 59	1 46	5 12	13 49	9 47	9 14	28 10	7 35	0 44
W22	23 29	16 39	1 25	25 17	1 52	22 56	1 32	23 35	1 3	15 53	1 3	19 26	1 43	0 49	0 45	12 59	1 46	5 12	13 49	9 46	9 13	28 10	7 35	0 44
T 23	23 29	21 0	2 24	25 17	1 55	22 43	1 33	23 29	1 3	15 52	1 2	19 27	1 43	0 49	0 45	13 0	1 46	5 12	13 48	9 45	9 12	28 10	7 35	0 44
F 24	23 28	24 27	3 16	25 15	1 58	22 31	1 34	23 24	1 3	15 52	1 2	19 28	1 43	0 49	0 45	13 0	1 46	5 12	13 48	9 43	9 11	28 11	7 34	0 44
S 25	23 26	26 50	3 59	25 11	2 0	22 17	1 35	23 18	1 3	15 51	1 2	19 29	1 43	0 49	0 45	13 0	1 46	5 12	13 48	9 39	9 10	28 11	7 34	0 44
S 26	23 24	28 1	4 31	25 6	2 2	22 3	1 36	23 11	1 3	15 50	1 2	19 30	1 43	0 48	0 45	13 1	1 46	5 12	13 48	9 35	9 9	28 12	7 34	0 43
M27	23 21	27 54	4 52	25 0	2 4	21 48	1 37	23 5	1 4	15 50	1 1	19 31	1 43	0 48	0 45	13 1	1 46	5 12	13 47	9 30	9 7	28 12	7 34	0 43
T 28	23 19	26 29	5 0	24 52	2 6	21 32	1 37	22 58	1 4	15 49	1 1	19 32	1 43	0 48	0 45	13 2	1 46	5 12	13 47	9 24	9 6	28 12	7 34	0 43
W29	23 15	23 52	4 55	24 42	2 7	21 16	1 38	22 51	1 4	15 49	1 1	19 33	1 43	0 48	0 45	13 2	1 46	5 12	13 47	9 19	9 5	28 13	7 34	0 43
T 30	23 11	20 12	4 37	24 31	2 8	20 59	1 39	22 43	1 4	15 48	1 0	19 35	1 43	0 48	0 45	13 2	1 46	5 13	13 47	9 15	9 4	28 13	7 34	0 43
F 31	23s 7	15n38	4n 6	24s18	2s 8	20s42	1s39	22s36	1s 4	15n48	1s 0	19s36	1n44	0n48	0n45	13s 3	1n47	5n13	13s46	9n12	9n 3	28n13	7n34	0n43

Julian Day Number = 2317470.5, Delta T = 55.67 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'00, Lahiri = 18°44'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

JANUARY 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 43 22	10♑58'59	11♍28	20♑21	6♒ 6	23♑41	16°R18	5♐45	29♍44	9♏40	22°R59	23°R32	23♈11	0♋13	17♈33	S 1
S 2	6 47 19	12° 0'08	24° 3	22° 0	7°21	24°28	16♉17	5°51	29°44	9°41	22♉59	23♈28	23° 8	0°19	17°33	S 2
M 3	6 51 15	13° 1'18	6♎54	23°39	8°36	25°15	16°15	5°57	29°44	9°43	22°58	23°27	23° 4	0°26	17°33	M 3
T 4	6 55 12	14° 2'28	20° 7	25°18	9°50	26° 2	16°14	6° 3	29°R44	9°44	22°57	23°27	23° 1	0°33	17°34	T 4
W 5	6 59 8	15° 3'37	3♏43	26°57	11° 5	26°49	16°12	6°10	29°44	9°45	22°57	23°27	22°58	0°40	17°34	W 5
T 6	7 3 5	16° 4'47	17°47	28°35	12°19	27°36	16°12	6°16	29°44	9°46	22°56	23°25	22°55	0°46	17°34	T 6
F 7	7 7 1	17° 5'57	2♐17	0♒14	13°34	28°23	16°11	6°22	29°44	9°47	22°55	23°21	22°52	0°53	17°35	F 7
S 8	7 10 58	18° 7'06	17°10	1°52	14°49	29°11	16°10	6°27	29°44	9°48	22°55	23°14	22°48	1° 0	17°36	S 8
S 9	7 14 55	19° 8'16	2♑21	3°29	16° 3	29°58	16°10	6°33	29°44	9°49	22°54	23° 4	22°45	1° 6	17°36	S 9
M10	7 18 51	20° 9'25	17°39	5° 5	17°18	0♒45	16°D10	6°39	29°43	9°50	22°54	22°53	22°42	1°13	17°37	M10
T 11	7 22 48	21°10'33	2♒52	6°40	18°32	1°32	16°10	6°45	29°43	9°51	22°53	22°41	22°39	1°20	17°38	T 11
W12	7 26 44	22°11'41	17°51	8°14	19°46	2°19	16°10	6°51	29°42	9°52	22°53	22°30	22°36	1°27	17°39	W12
T 13	7 30 41	23°12'48	2♓25	9°45	21° 1	3° 7	16°11	6°56	29°42	9°53	22°52	22°21	22°33	1°33	17°40	T 13
F 14	7 34 37	24°13'55	16°30	11°14	22°15	3°54	16°12	7° 2	29°41	9°54	22°52	22°15	22°29	1°40	17°41	F 14
S 15	7 38 34	25°15'00	0♈ 5	12°41	23°29	4°41	16°12	7° 7	29°41	9°55	22°51	22°11	22°26	1°47	17°42	S 15
S 16	7 42 30	26°16'04	13°11	14° 4	24°44	5°29	16°14	7°13	29°40	9°56	22°51	22°10	22°23	1°53	17°43	S 16
M17	7 46 27	27°17'07	25°52	15°23	25°58	6°16	16°15	7°18	29°39	9°57	22°50	22°10	22°20	2° 0	17°44	M17
T 18	7 50 24	28°18'10	8♉13	16°38	27°12	7° 3	16°16	7°23	29°39	9°58	22°50	22°10	22°17	2° 7	17°45	T 18
W19	7 54 20	29°19'11	20°19	17°48	28°26	7°51	16°18	7°29	29°38	9°58	22°50	22° 8	22°14	2°14	17°46	W19
T 20	7 58 17	0♒20'11	2♊15	18°51	29°40	8°38	16°20	7°34	29°37	9°59	22°49	22° 4	22°10	2°20	17°48	T 20
F 21	8 2 13	1°21'10	14° 6	19°47	0♓54	9°25	16°22	7°39	29°36	10° 0	22°49	21°58	22° 7	2°27	17°49	F 21
S 22	8 6 10	2°22'08	25°56	20°36	2° 9	10°13	16°25	7°44	29°35	10° 0	22°49	21°48	22° 4	2°34	17°50	S 22
S 23	8 10 6	3°23'05	7♋47	21°16	3°23	11° 0	16°27	7°49	29°34	10° 1	22°48	21°36	22° 1	2°40	17°52	S 23
M24	8 14 3	4°24'01	19°43	21°46	4°36	11°48	16°30	7°54	29°33	10° 2	22°48	21°22	21°58	2°47	17°53	M24
T 25	8 17 59	5°24'56	1♌45	22° 7	5°50	12°35	16°33	7°59	29°32	10° 2	22°48	21° 8	21°54	2°54	17°55	T 25
W26	8 21 56	6°25'49	13°53	22°R17	7° 4	13°22	16°36	8° 4	29°30	10° 3	22°48	20°54	21°51	3° 1	17°57	W26
T 27	8 25 53	7°26'42	26° 9	22°15	8°18	14°10	16°39	8° 8	29°29	10° 3	22°47	20°42	21°48	3° 7	17°58	T 27
F 28	8 29 49	8°27'34	8♍33	22° 3	9°32	14°57	16°43	8°13	29°28	10° 4	22°47	20°32	21°45	3°14	18° 0	F 28
S 29	8 33 46	9°28'24	21° 7	21°40	10°46	15°45	16°47	8°18	29°27	10° 4	22°47	20°26	21°42	3°21	18° 2	S 29
S 30	8 37 42	10°29'14	3♎51	21° 6	11°59	16°32	16°50	8°22	29°25	10° 4	22°47	20°22	21°39	3°27	18° 4	S 30
M31	8 41 39	11♒30'02	16♎49	20♒22	13♓13	17♒20	16♉55	8♐27	29♍24	10♏ 5	22♉47	20°D21	21♈35	3♋34	18♈ 6	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 2	10n24	3n22	24s 3	2s 8	20s23	1s40	22s28	1s 4	15n48	1s 0	19s37	1n44	0n48	0n45	13s 3	1n47	5n13	13s46	9n 9	9n 2	28n14	7n33	0n43
S 2	22 57	4 39	2 29	23 47	2 7	20 5	1 40	22 20	1 4	15 47	1 0	19 38	1 44	0 48	0 45	13 4	1 47	5 13	13 46	9 8	9 0	28 14	7 33	0 43
M 3	22 51	1s26	1 26	23 29	2 6	19 46	1 40	22 11	1 5	15 47	0 59	19 39	1 44	0 48	0 45	13 4	1 47	5 13	13 46	9 8	8 59	28 14	7 33	0 43
T 4	22 45	7 36	0 18	23 10	2 4	19 26	1 40	22 3	1 5	15 47	0 59	19 40	1 44	0 48	0 45	13 4	1 47	5 13	13 45	9 8	8 58	28 15	7 34	0 42
W 5	22 38	13 38	0s54	22 49	2 2	19 6	1 40	21 54	1 5	15 47	0 59	19 41	1 44	0 48	0 45	13 5	1 47	5 13	13 45	9 8	8 57	28 15	7 34	0 42
T 6	22 31	19 10	2 5	22 26	1 59	18 45	1 41	21 45	1 5	15 47	0 58	19 42	1 44	0 48	0 46	13 5	1 47	5 13	13 45	9 7	8 56	28 15	7 34	0 42
F 7	22 24	23 45	3 9	22 2	1 56	18 23	1 40	21 35	1 5	15 47	0 58	19 43	1 44	0 48	0 46	13 5	1 47	5 13	13 45	9 5	8 54	28 16	7 34	0 42
S 8	22 16	26 54	4 3	21 36	1 52	18 1	1 40	21 26	1 5	15 47	0 58	19 44	1 44	0 48	0 46	13 5	1 47	5 13	13 44	9 3	8 53	28 16	7 34	0 42
S 9	22 7	28 9	4 41	21 9	1 47	17 39	1 40	21 16	1 5	15 47	0 58	19 44	1 44	0 48	0 46	13 6	1 47	5 13	13 44	8 59	8 52	28 16	7 34	0 42
M10	21 58	27 15	4 59	20 41	1 42	17 16	1 40	21 5	1 5	15 48	0 57	19 45	1 44	0 49	0 46	13 6	1 47	5 14	13 44	8 55	8 51	28 16	7 34	0 42
T 11	21 49	24 20	4 55	20 11	1 35	16 53	1 40	20 55	1 5	15 48	0 57	19 46	1 44	0 49	0 46	13 6	1 47	5 14	13 44	8 50	8 50	28 17	7 34	0 42
W12	21 39	19 49	4 31	19 40	1 28	16 29	1 39	20 45	1 5	15 48	0 57	19 47	1 44	0 49	0 46	13 7	1 47	5 14	13 43	8 46	8 49	28 17	7 35	0 41
T 13	21 29	14 13	3 50	19 8	1 20	16 5	1 39	20 34	1 5	15 49	0 56	19 48	1 44	0 49	0 46	13 7	1 47	5 14	13 43	8 43	8 47	28 17	7 35	0 41
F 14	21 19	8 2	2 56	18 35	1 12	15 40	1 38	20 23	1 5	15 49	0 56	19 49	1 44	0 49	0 46	13 7	1 47	5 14	13 43	8 41	8 46	28 17	7 35	0 41
S 15	21 8	1 42	1 54	18 2	1 2	15 15	1 37	20 11	1 5	15 50	0 56	19 50	1 44	0 50	0 46	13 7	1 47	5 14	13 42	8 39	8 45	28 18	7 35	0 41
S 16	20 57	4n29	0 47	17 28	0 52	14 50	1 37	20 0	1 5	15 50	0 56	19 51	1 44	0 50	0 46	13 7	1 47	5 15	13 42	8 39	8 44	28 18	7 36	0 41
M17	20 45	10 19	0n20	16 54	0 40	14 24	1 36	19 48	1 5	15 51	0 55	19 51	1 45	0 50	0 46	13 8	1 48	5 15	13 42	8 39	8 43	28 18	7 36	0 41
T 18	20 33	15 36	1 24	16 20	0 28	13 57	1 35	19 36	1 5	15 52	0 55	19 52	1 45	0 51	0 46	13 8	1 48	5 15	13 42	8 39	8 41	28 18	7 36	0 41
W19	20 20	20 9	2 23	15 46	0 15	13 31	1 34	19 24	1 5	15 53	0 55	19 53	1 45	0 51	0 46	13 8	1 48	5 15	13 41	8 38	8 40	28 18	7 37	0 41
T 20	20 7	23 50	3 15	15 13	0 1	13 4	1 33	19 12	1 5	15 53	0 54	19 54	1 45	0 51	0 46	13 8	1 48	5 15	13 41	8 37	8 39	28 19	7 37	0 40
F 21	19 54	26 28	3 58	14 41	0n14	12 36	1 32	18 59	1 5	15 54	0 54	19 54	1 45	0 52	0 46	13 8	1 48	5 16	13 41	8 34	8 38	28 19	7 38	0 40
S 22	19 40	27 56	4 30	14 11	0 30	12 9	1 31	18 46	1 5	15 55	0 54	19 55	1 45	0 52	0 46	13 9	1 48	5 16	13 40	8 31	8 37	28 19	7 38	0 40
S 23	19 26	28 6	4 51	13 43	0 46	11 41	1 30	18 33	1 5	15 56	0 54	19 56	1 45	0 53	0 46	13 9	1 48	5 16	13 40	8 26	8 36	28 19	7 39	0 40
M24	19 12	26 59	5 0	13 17	1 3	11 13	1 28	18 20	1 5	15 57	0 53	19 57	1 45	0 53	0 46	13 9	1 48	5 16	13 40	8 21	8 34	28 19	7 39	0 40
T 25	18 57	24 36	4 55	12 54	1 21	10 44	1 27	18 7	1 5	15 58	0 53	19 57	1 45	0 54	0 46	13 9	1 48	5 16	13 40	8 16	8 33	28 19	7 39	0 40
W26	18 42	21 6	4 37	12 34	1 38	10 15	1 25	17 53	1 5	16 0	0 53	19 58	1 45	0 54	0 46	13 9	1 48	5 17	13 39	8 10	8 32	28 19	7 40	0 40
T 27	18 27	16 40	4 5	12 18	1 56	9 46	1 24	17 39	1 5	16 1	0 52	19 59	1 45	0 55	0 46	13 9	1 48	5 17	13 39	8 6	8 31	28 20	7 41	0 40
F 28	18 11	11 30	3 22	12 6	2 13	9 17	1 22	17 25	1 5	16 2	0 52	19 59	1 45	0 55	0 46	13 9	1 48	5 17	13 39	8 2	8 30	28 20	7 41	0 40
S 29	17 55	5 48	2 28	11 57	2 29	8 47	1 20	17 11	1 5	16 3	0 52	20 0	1 46	0 56	0 46	13 9	1 48	5 17	13 38	8 0	8 28	28 20	7 42	0 39
S 30	17 39	0s13	1 26	11 54	2 45	8 17	1 19	16 57	1 5	16 5	0 52	20 0	1 46	0 56	0 46	13 9	1 48	5 18	13 38	7 59	8 27	28 20	7 42	0 39
M31	17s22	6s20	0n19	11s54	2n59	7s47	1s17	16s42	1s 5	16n 6	0s51	20s 1	1n46	0n57	0n46	13s 9	1n48	5n18	13s38	7n58	8n26	28n20	7n43	0n39

Julian Day Number = 2317501.5, Delta T = 55.60 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'05, Lahiri = 18°44'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

FEBRUARY 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 45 35	12♒30'50	0♏ 3	19°R29	14♓26	18♒ 7	16♉59	8♐31	29°R22	10♏ 5	22°R47	20♈21	21♈32	3♋41	18♈ 8	T 1
W 2	8 49 32	13°31'36	13°35	18♒29	15°40	18°54	17° 3	8°35	29♍21	10° 5	22♉47	20°R22	21°29	3°48	18°10	W 2
T 3	8 53 28	14°32'22	27°27	17°24	16°53	19°42	17° 8	8°39	29°19	10° 6	22°47	20°21	21°26	3°54	18°12	T 3
F 4	8 57 25	15°33'07	11♐41	16°15	18° 7	20°29	17°13	8°44	29°18	10° 6	22°47	20°18	21°23	4° 1	18°14	F 4
S 5	9 1 22	16°33'51	26°14	15° 4	19°20	21°17	17°18	8°48	29°16	10° 6	22°D47	20°13	21°20	4° 8	18°16	S 5
S 6	9 5 18	17°34'34	11♑ 3	13°53	20°33	22° 4	17°23	8°52	29°14	10° 6	22°47	20° 5	21°16	4°15	18°18	S 6
M 7	9 9 15	18°35'15	26° 1	12°45	21°47	22°52	17°28	8°55	29°13	10° 6	22°47	19°56	21°13	4°21	18°20	M 7
T 8	9 13 11	19°35'56	10♒58	11°40	23° 0	23°39	17°34	8°59	29°11	10° 6	22°47	19°46	21°10	4°28	18°23	T 8
W 9	9 17 8	20°36'34	25°47	10°40	24°13	24°27	17°39	9° 3	29° 9	10° 6	22°47	19°37	21° 7	4°35	18°25	W 9
T 10	9 21 4	21°37'11	10♓17	9°46	25°26	25°14	17°45	9° 6	29° 7	10°R 6	22°47	19°29	21° 4	4°41	18°27	T 10
F 11	9 25 1	22°37'47	24°23	8°59	26°39	26° 1	17°51	9°10	29° 5	10° 6	22°47	19°24	21° 0	4°48	18°30	F 11
S 12	9 28 57	23°38'21	8♈ 2	8°19	27°52	26°49	17°58	9°13	29° 3	10° 6	22°47	19°21	20°57	4°55	18°32	S 12
S 13	9 32 54	24°38'53	21°14	7°47	29° 5	27°36	18° 4	9°17	29° 1	10° 6	22°47	19°D21	20°54	5° 2	18°35	S 13
M14	9 36 51	25°39'23	4♉ 1	7°23	0♈18	28°24	18°10	9°20	28°59	10° 6	22°47	19°21	20°51	5° 8	18°37	M14
T 15	9 40 47	26°39'51	16°27	7° 6	1°30	29°11	18°17	9°23	28°57	10° 6	22°48	19°23	20°48	5°15	18°40	T 15
W16	9 44 44	27°40'18	28°37	6°56	2°43	29°59	18°24	9°26	28°55	10° 6	22°48	19°R23	20°45	5°22	18°42	W16
T 17	9 48 40	28°40'42	10♊35	6°D54	3°56	0♓46	18°31	9°29	28°53	10° 6	22°48	19°22	20°41	5°28	18°45	T 17
F 18	9 52 37	29°41'05	22°27	6°58	5° 8	1°33	18°38	9°32	28°51	10° 5	22°48	19°19	20°38	5°35	18°48	F 18
S 19	9 56 33	0♓41'26	4♋18	7° 9	6°20	2°21	18°46	9°35	28°49	10° 5	22°49	19°14	20°35	5°42	18°51	S 19
S 20	10 0 30	1°41'44	16°11	7°26	7°33	3° 8	18°53	9°38	28°47	10° 5	22°49	19° 7	20°32	5°49	18°53	S 20
M21	10 4 26	2°42'01	28°11	7°48	8°45	3°55	19° 1	9°40	28°44	10° 4	22°49	18°59	20°29	5°55	18°56	M21
T 22	10 8 23	3°42'16	10♌19	8°15	9°57	4°43	19° 8	9°43	28°42	10° 4	22°50	18°50	20°26	6° 2	18°59	T 22
W23	10 12 20	4°42'29	22°37	8°47	11° 9	5°30	19°16	9°45	28°40	10° 3	22°50	18°41	20°22	6° 9	19° 2	W23
T 24	10 16 16	5°42'40	5♍ 7	9°24	12°21	6°17	19°24	9°48	28°38	10° 3	22°50	18°34	20°19	6°15	19° 5	T 24
F 25	10 20 13	6°42'50	17°48	10° 5	13°33	7° 4	19°32	9°50	28°35	10° 2	22°51	18°28	20°16	6°22	19° 8	F 25
S 26	10 24 9	7°42'57	0♎41	10°50	14°45	7°52	19°41	9°52	28°33	10° 2	22°51	18°25	20°13	6°29	19°11	S 26
S 27	10 28 6	8°43'03	13°46	11°38	15°57	8°39	19°49	9°54	28°30	10° 1	22°52	18°D23	20°10	6°36	19°14	S 27
M28	10 32 2	9♓43'07	27♎ 2	12♒30	17♈ 8	9♓26	19♉58	9♐56	28♍28	10♏ 1	22♉52	18♈23	20♈ 6	6♋42	19♈17	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 5	12s19	0s51	11s58	3n12	7s17	1s15	16s28	1s 5	16n 8	0s51	20s 2	1n46	0n58	0n46	13s 9	1n48	5n18	13s37	7n58	8n25	28n20	7n44	0n39
W 2	16 48	17 52	2 0	12 6	3 23	6 47	1 13	16 13	1 5	16 9	0 51	20 2	1 46	0 58	0 46	13 9	1 48	5 19	13 37	7 58	8 24	28 20	7 44	0 39
T 3	16 30	22 37	3 4	12 18	3 31	6 16	1 11	15 58	1 5	16 11	0 51	20 3	1 46	0 59	0 47	13 9	1 49	5 19	13 37	7 58	8 22	28 20	7 45	0 39
F 4	16 12	26 9	3 58	12 32	3 38	5 46	1 9	15 43	1 4	16 12	0 50	20 3	1 46	1 0	0 47	13 9	1 49	5 19	13 36	7 57	8 21	28 20	7 46	0 39
S 5	15 54	28 3	4 37	12 49	3 42	5 15	1 6	15 27	1 4	16 14	0 50	20 4	1 46	1 0	0 47	13 9	1 49	5 19	13 36	7 55	8 20	28 20	7 46	0 39
S 6	15 36	28 0	5 0	13 8	3 43	4 44	1 4	15 12	1 4	16 16	0 50	20 4	1 46	1 1	0 47	13 9	1 49	5 20	13 36	7 52	8 19	28 20	7 47	0 39
M 7	15 17	25 56	5 2	13 28	3 42	4 13	1 2	14 56	1 4	16 17	0 50	20 5	1 46	1 2	0 47	13 9	1 49	5 20	13 35	7 49	8 18	28 20	7 48	0 38
T 8	14 58	22 3	4 43	13 49	3 39	3 42	0 59	14 40	1 4	16 19	0 49	20 5	1 47	1 2	0 47	13 9	1 49	5 20	13 35	7 45	8 16	28 20	7 49	0 38
W 9	14 39	16 48	4 6	14 10	3 34	3 10	0 57	14 24	1 4	16 21	0 49	20 6	1 47	1 3	0 47	13 9	1 49	5 21	13 35	7 41	8 15	28 20	7 49	0 38
T 10	14 20	10 42	3 13	14 30	3 27	2 39	0 54	14 8	1 4	16 23	0 49	20 6	1 47	1 4	0 47	13 9	1 49	5 21	13 35	7 38	8 14	28 20	7 50	0 38
F 11	14 0	4 13	2 9	14 51	3 19	2 7	0 52	13 52	1 4	16 25	0 49	20 7	1 47	1 5	0 47	13 9	1 49	5 21	13 34	7 36	8 13	28 20	7 51	0 38
S 12	13 40	2n16	1 0	15 10	3 9	1 36	0 49	13 36	1 3	16 27	0 48	20 7	1 47	1 5	0 47	13 9	1 49	5 22	13 34	7 35	8 12	28 20	7 52	0 38
S 13	13 20	8 28	0n10	15 29	2 59	1 4	0 46	13 19	1 3	16 29	0 48	20 7	1 47	1 6	0 47	13 9	1 49	5 22	13 34	7 35	8 11	28 20	7 53	0 38
M14	13 0	14 7	1 18	15 46	2 47	0 33	0 43	13 2	1 3	16 31	0 48	20 8	1 47	1 7	0 47	13 9	1 49	5 22	13 33	7 36	8 9	28 20	7 54	0 38
T 15	12 39	19 2	2 20	16 2	2 35	0 1	0 41	12 46	1 3	16 33	0 48	20 8	1 47	1 8	0 47	13 9	1 49	5 23	13 33	7 36	8 8	28 20	7 54	0 38
W16	12 18	23 3	3 15	16 16	2 23	0n30	0 38	12 29	1 3	16 35	0 47	20 8	1 48	1 9	0 47	13 9	1 49	5 23	13 33	7 36	8 7	28 20	7 55	0 38
T 17	11 57	26 2	4 0	16 30	2 10	1 2	0 35	12 12	1 2	16 37	0 47	20 9	1 48	1 10	0 47	13 9	1 49	5 23	13 32	7 36	8 6	28 20	7 56	0 37
F 18	11 36	27 50	4 34	16 41	1 57	1 34	0 32	11 55	1 2	16 39	0 47	20 9	1 48	1 11	0 47	13 8	1 49	5 24	13 32	7 35	8 5	28 20	7 57	0 37
S 19	11 15	28 22	4 57	16 51	1 44	2 5	0 29	11 38	1 2	16 42	0 47	20 9	1 48	1 11	0 47	13 8	1 50	5 24	13 32	7 33	8 3	28 20	7 58	0 37
S 20	10 54	27 35	5 7	16 59	1 31	2 37	0 25	11 20	1 2	16 44	0 46	20 10	1 48	1 12	0 47	13 8	1 50	5 25	13 31	7 30	8 2	28 20	7 59	0 37
M21	10 32	25 31	5 3	17 6	1 18	3 8	0 22	11 3	1 2	16 46	0 46	20 10	1 48	1 13	0 47	13 8	1 50	5 25	13 31	7 27	8 1	28 20	8 0	0 37
T 22	10 10	22 17	4 46	17 11	1 5	3 40	0 19	10 45	1 1	16 49	0 46	20 10	1 48	1 14	0 47	13 8	1 50	5 25	13 31	7 24	8 0	28 20	8 1	0 37
W23	9 48	18 1	4 15	17 15	0 53	4 11	0 16	10 28	1 1	16 51	0 46	20 10	1 48	1 15	0 47	13 8	1 50	5 26	13 30	7 20	7 59	28 20	8 2	0 37
T 24	9 26	12 57	3 32	17 17	0 41	4 42	0 12	10 10	1 1	16 53	0 45	20 11	1 49	1 16	0 47	13 7	1 50	5 26	13 30	7 17	7 57	28 20	8 3	0 37
F 25	9 4	7 15	2 38	17 17	0 29	5 13	0 9	9 52	1 1	16 56	0 45	20 11	1 49	1 17	0 47	13 7	1 50	5 27	13 30	7 15	7 56	28 20	8 4	0 37
S 26	8 42	1 10	1 34	17 16	0 17	5 44	0 6	9 34	1 0	16 58	0 45	20 11	1 49	1 18	0 47	13 7	1 50	5 27	13 30	7 14	7 55	28 19	8 5	0 37
S 27	8 19	5s 3	0 25	17 14	0 6	6 15	0 2	9 16	1 0	17 1	0 45	20 11	1 49	1 19	0 47	13 7	1 50	5 27	13 29	7 13	7 54	28 19	8 6	0 36
M28	7s56	11s10	0s47	17s10	0s 5	6n46	0n 1	8s58	1s 0	17n 3	0s45	20s11	1n49	1n20	0n47	13s 7	1n50	5n28	13s29	7n13	7n53	28n19	8n 7	0n36

Julian Day Number = 2317532.5, Delta T = 55.53 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'09, Lahiri = 18°44'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

MARCH 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 59	10♓43'09	10♏30	13♒25	18♈20	10♓13	20♉ 7	9♐58	28°R26	10°R 0	22♉53	18♈25	20♈ 3	6♋49	19♈20	T 1
W 2	10 39 55	11°43'10	24°11	14°23	19°31	11° 0	20°15	10° 0	28♍23	10♏ 0	22°53	18°26	20° 0	6°56	19°23	W 2
T 3	10 43 52	12°43'10	8♐ 4	15°23	20°43	11°48	20°24	10° 2	28°21	9°59	22°54	18°R27	19°57	7° 2	19°26	T 3
F 4	10 47 49	13°43'07	22°11	16°26	21°54	12°35	20°33	10° 3	28°18	9°58	22°54	18°27	19°54	7° 9	19°30	F 4
S 5	10 51 45	14°43'04	6♑28	17°32	23° 5	13°22	20°43	10° 5	28°16	9°57	22°55	18°25	19°51	7°16	19°33	S 5
S 6	10 55 42	15°42'58	20°54	18°40	24°16	14° 9	20°52	10° 6	28°13	9°57	22°56	18°22	19°47	7°23	19°36	S 6
M 7	10 59 38	16°42'51	5♒24	19°50	25°27	14°56	21° 2	10° 7	28°11	9°56	22°56	18°18	19°44	7°29	19°39	M 7
T 8	11 3 35	17°42'42	19°54	21° 2	26°38	15°43	21°11	10° 8	28° 8	9°55	22°57	18°13	19°41	7°36	19°43	T 8
W 9	11 7 31	18°42'31	4♓17	22°16	27°48	16°30	21°21	10°10	28° 6	9°54	22°58	18° 8	19°38	7°43	19°46	W 9
T 10	11 11 28	19°42'18	18°27	23°31	28°59	17°17	21°31	10°11	28° 3	9°53	22°58	18° 5	19°35	7°50	19°49	T 10
F 11	11 15 24	20°42'03	2♈19	24°49	0♉ 9	18° 4	21°41	10°11	28° 1	9°52	22°59	18° 3	19°32	7°56	19°53	F 11
S 12	11 19 21	21°41'46	15°50	26° 8	1°20	18°51	21°51	10°12	27°58	9°52	23° 0	18°D 2	19°28	8° 3	19°56	S 12
S 13	11 23 18	22°41'27	29° 0	27°29	2°30	19°38	22° 1	10°13	27°55	9°51	23° 0	18° 2	19°25	8°10	20° 0	S 13
M14	11 27 14	23°41'06	11♉48	28°51	3°40	20°25	22°11	10°13	27°53	9°50	23° 1	18° 3	19°22	8°16	20° 3	M14
T 15	11 31 11	24°40'43	24°16	0♓15	4°50	21°12	22°22	10°14	27°50	9°49	23° 2	18° 5	19°19	8°23	20° 7	T 15
W16	11 35 7	25°40'17	6♊29	1°41	6° 0	21°58	22°32	10°14	27°48	9°48	23° 3	18° 7	19°16	8°30	20°10	W16
T 17	11 39 4	26°39'49	18°31	3° 8	7°10	22°45	22°43	10°15	27°45	9°46	23° 3	18° 8	19°12	8°37	20°14	T 17
F 18	11 43 0	27°39'19	0♋25	4°37	8°19	23°32	22°53	10°15	27°42	9°45	23° 4	18°R 8	19° 9	8°43	20°17	F 18
S 19	11 46 57	28°38'46	12°18	6° 7	9°29	24°19	23° 4	10°R15	27°40	9°44	23° 5	18° 7	19° 6	8°50	20°21	S 19
S 20	11 50 53	29°38'11	24°13	7°38	10°38	25° 5	23°15	10°15	27°37	9°43	23° 6	18° 6	19° 3	8°57	20°24	S 20
M21	11 54 50	0♈37'34	6♌14	9°11	11°47	25°52	23°26	10°15	27°35	9°42	23° 7	18° 3	19° 0	9° 3	20°28	M21
T 22	11 58 47	1°36'55	18°27	10°45	12°56	26°39	23°37	10°15	27°32	9°41	23° 8	18° 1	18°57	9°10	20°32	T 22
W23	12 2 43	2°36'13	0♍53	12°20	14° 5	27°25	23°48	10°14	27°29	9°40	23° 9	17°58	18°53	9°17	20°35	W23
T 24	12 6 40	3°35'29	13°34	13°57	15°14	28°12	23°59	10°14	27°27	9°38	23°10	17°56	18°50	9°24	20°39	T 24
F 25	12 10 36	4°34'43	26°31	15°36	16°23	28°58	24°11	10°13	27°24	9°37	23°11	17°55	18°47	9°30	20°43	F 25
S 26	12 14 33	5°33'54	9♎45	17°15	17°31	29°45	24°22	10°13	27°22	9°36	23°11	17°54	18°44	9°37	20°46	S 26
S 27	12 18 29	6°33'04	23°14	18°56	18°39	0♈31	24°34	10°12	27°19	9°35	23°12	17°D54	18°41	9°44	20°50	S 27
M28	12 22 26	7°32'12	6♏56	20°39	19°47	1°18	24°45	10°11	27°16	9°33	23°13	17°55	18°37	9°50	20°54	M28
T 29	12 26 22	8°31'18	20°50	22°23	20°55	2° 4	24°57	10°10	27°14	9°32	23°14	17°55	18°34	9°57	20°57	T 29
W30	12 30 19	9°30'22	4♐52	24° 8	22° 3	2°50	25° 9	10° 9	27°11	9°31	23°15	17°56	18°31	10° 4	21° 1	W30
T 31	12 34 16	10♈29'24	19♐ 0	25♓55	23♉10	3♈37	25♉21	10♐ 8	27♍ 9	9♏29	23♉16	17♈57	18♈28	10♋11	21♈ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s34	16s52	1s57	17s 4	0s15	7n16	0n 5	8s40	1s 0	17n 6	0s44	20s11	1n49	1n21	0n47	13s 6	1n50	5n28	13s29	7n14	7n51	28n19	8n 9	0n36
W 2	7 11	21 48	3 2	16 57	0 25	7 47	0 8	8 22	0 59	17 8	0 44	20 12	1 49	1 22	0 47	13 6	1 50	5 29	13 28	7 14	7 50	28 19	8 10	0 36
T 3	6 48	25 37	3 58	16 48	0 35	8 17	0 12	8 4	0 59	17 11	0 44	20 12	1 49	1 23	0 47	13 6	1 50	5 29	13 28	7 15	7 49	28 19	8 11	0 36
F 4	6 25	27 55	4 40	16 38	0 44	8 47	0 16	7 45	0 59	17 14	0 44	20 12	1 50	1 24	0 47	13 5	1 50	5 29	13 28	7 15	7 48	28 18	8 12	0 36
S 5	6 2	28 24	5 5	16 27	0 53	9 17	0 19	7 27	0 58	17 16	0 43	20 12	1 50	1 25	0 47	13 5	1 50	5 30	13 27	7 14	7 47	28 18	8 13	0 36
S 6	5 39	26 59	5 11	16 14	1 1	9 47	0 23	7 9	0 58	17 19	0 43	20 12	1 50	1 26	0 47	13 5	1 50	5 30	13 27	7 13	7 45	28 18	8 14	0 36
M 7	5 15	23 46	4 58	16 0	1 9	10 16	0 27	6 50	0 58	17 22	0 43	20 12	1 50	1 27	0 47	13 5	1 50	5 31	13 27	7 11	7 44	28 18	8 15	0 36
T 8	4 52	19 4	4 26	15 44	1 17	10 46	0 30	6 31	0 57	17 24	0 43	20 12	1 50	1 28	0 47	13 4	1 50	5 31	13 27	7 9	7 43	28 18	8 16	0 36
W 9	4 29	13 19	3 37	15 27	1 24	11 15	0 34	6 13	0 57	17 27	0 43	20 12	1 50	1 29	0 47	13 4	1 51	5 32	13 26	7 8	7 42	28 17	8 18	0 35
T 10	4 5	6 57	2 35	15 8	1 31	11 43	0 38	5 54	0 57	17 30	0 42	20 12	1 50	1 30	0 47	13 4	1 51	5 32	13 26	7 6	7 41	28 17	8 19	0 35
F 11	3 42	0 23	1 25	14 49	1 37	12 12	0 42	5 36	0 56	17 33	0 42	20 12	1 50	1 31	0 47	13 3	1 51	5 32	13 26	7 5	7 39	28 17	8 20	0 35
S 12	3 18	6n 4	0 12	14 27	1 43	12 40	0 45	5 17	0 56	17 35	0 42	20 12	1 51	1 32	0 47	13 3	1 51	5 33	13 25	7 5	7 38	28 17	8 21	0 35
S 13	2 54	12 4	1n 0	14 5	1 49	13 8	0 49	4 58	0 56	17 38	0 42	20 12	1 51	1 33	0 47	13 3	1 51	5 33	13 25	7 5	7 37	28 16	8 22	0 35
M14	2 31	17 25	2 7	13 41	1 54	13 36	0 53	4 39	0 55	17 41	0 42	20 12	1 51	1 34	0 47	13 2	1 51	5 34	13 25	7 6	7 36	28 16	8 24	0 35
T 15	2 7	21 53	3 6	13 15	1 59	14 3	0 57	4 20	0 55	17 44	0 41	20 12	1 51	1 35	0 47	13 2	1 51	5 34	13 25	7 6	7 35	28 16	8 25	0 35
W16	1 43	25 18	3 56	12 49	2 3	14 30	1 1	4 2	0 55	17 47	0 41	20 12	1 51	1 36	0 47	13 2	1 51	5 35	13 24	7 7	7 33	28 16	8 26	0 35
T 17	1 20	27 32	4 34	12 21	2 7	14 57	1 4	3 43	0 54	17 50	0 41	20 12	1 51	1 37	0 47	13 1	1 51	5 35	13 24	7 7	7 32	28 15	8 27	0 35
F 18	0 56	28 29	5 0	11 52	2 10	15 23	1 8	3 24	0 54	17 52	0 41	20 12	1 51	1 38	0 47	13 1	1 51	5 35	13 24	7 7	7 31	28 15	8 29	0 35
S 19	0 32	28 7	5 13	11 21	2 13	15 49	1 12	3 5	0 53	17 55	0 41	20 12	1 51	1 39	0 47	13 0	1 51	5 36	13 24	7 7	7 30	28 15	8 30	0 35
S 20	0 9	26 27	5 13	10 49	2 16	16 15	1 16	2 46	0 53	17 58	0 40	20 11	1 52	1 40	0 47	13 0	1 51	5 36	13 23	7 7	7 28	28 14	8 31	0 34
M21	0n15	23 35	4 59	10 16	2 18	16 40	1 20	2 27	0 53	18 1	0 40	20 11	1 52	1 41	0 47	13 0	1 51	5 37	13 23	7 6	7 27	28 14	8 33	0 34
T 22	0 39	19 38	4 32	9 42	2 19	17 5	1 23	2 8	0 52	18 4	0 40	20 11	1 52	1 42	0 47	12 59	1 51	5 37	13 23	7 5	7 26	28 14	8 34	0 34
W23	1 2	14 47	3 51	9 6	2 20	17 29	1 27	1 49	0 52	18 7	0 40	20 11	1 52	1 43	0 47	12 59	1 51	5 38	13 23	7 4	7 25	28 13	8 35	0 34
T 24	1 26	9 13	2 58	8 30	2 21	17 53	1 31	1 30	0 51	18 10	0 40	20 11	1 52	1 44	0 47	12 58	1 51	5 38	13 22	7 3	7 24	28 13	8 36	0 34
F 25	1 49	3 9	1 55	7 52	2 21	18 17	1 35	1 11	0 51	18 13	0 40	20 11	1 52	1 45	0 47	12 58	1 51	5 39	13 22	7 3	7 22	28 13	8 38	0 34
S 26	2 13	3s11	0 45	7 12	2 21	18 40	1 39	0 53	0 51	18 16	0 39	20 10	1 52	1 46	0 47	12 57	1 51	5 39	13 22	7 2	7 21	28 12	8 39	0 34
S 27	2 36	9 30	0s29	6 32	2 20	19 3	1 42	0 34	0 50	18 19	0 39	20 10	1 52	1 47	0 47	12 57	1 51	5 40	13 22	7 2	7 20	28 12	8 40	0 34
M28	3 0	15 29	1 43	5 50	2 19	19 25	1 46	0 15	0 50	18 22	0 39	20 10	1 53	1 48	0 47	12 57	1 51	5 40	13 21	7 2	7 19	28 12	8 42	0 34
T 29	3 23	20 46	2 52	5 8	2 17	19 47	1 50	0n 4	0 49	18 25	0 39	20 10	1 53	1 49	0 47	12 56	1 51	5 40	13 21	7 3	7 18	28 11	8 43	0 34
W30	3 46	24 57	3 52	4 24	2 15	20 8	1 53	0 23	0 49	18 28	0 39	20 9	1 53	1 50	0 47	12 56	1 51	5 41	13 21	7 3	7 16	28 11	8 44	0 34
T 31	4n10	27s38	4s37	3s39	2s12	20n29	1n57	0n42	0s48	18n31	0s39	20s 9	1n53	1n51	0n47	12s55	1n51	5n41	13s21	7n 3	7n15	28n10	8n46	0n34

Julian Day Number = 2317560.5, Delta T = 55.48 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'13, Lahiri = 18°44'13Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1633
geocentric

APRIL 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 38 12	11♈28'25	3♉12	27♓43	24♉18	4♈23	25♉32	10°R 7	27°R 6	9°R28	23♉18	17♈57	18♈25	10♋17	21♈ 9	F 1
S 2	12 42 9	12°27'24	17°26	29°33	25°25	5° 9	25°44	10♐ 6	27♍ 4	9♏26	23°19	17°R57	18°22	10°24	21°12	S 2
S 3	12 46 5	13°26'21	1♒38	1♈24	26°32	5°55	25°56	10° 4	27° 1	9°25	23°20	17°57	18°18	10°31	21°16	S 3
M 4	12 50 2	14°25'16	15°46	3°17	27°39	6°41	26° 9	10° 3	26°59	9°24	23°21	17°57	18°15	10°38	21°20	M 4
T 5	12 53 58	15°24'10	29°48	5°11	28°45	7°27	26°21	10° 1	26°57	9°22	23°22	17°56	18°12	10°44	21°24	T 5
W 6	12 57 55	16°23'01	13♓42	7° 7	29°52	8°14	26°33	10° 0	26°54	9°21	23°23	17°56	18° 9	10°51	21°27	W 6
T 7	13 1 51	17°21'51	27°23	9° 4	0♊58	9° 0	26°45	9°58	26°52	9°19	23°24	17°56	18° 6	10°58	21°31	T 7
F 8	13 5 48	18°20'39	10♈52	11° 2	2° 4	9°46	26°58	9°56	26°49	9°18	23°25	17°56	18° 3	11° 4	21°35	F 8
S 9	13 9 44	19°19'25	24° 4	13° 2	3°10	10°31	27°10	9°54	26°47	9°16	23°26	17°56	17°59	11°11	21°39	S 9
S 10	13 13 41	20°18'09	7♉ 1	15° 3	4°15	11°17	27°23	9°52	26°45	9°15	23°27	17°56	17°56	11°18	21°43	S 10
M11	13 17 38	21°16'51	19°42	17° 6	5°21	12° 3	27°35	9°50	26°42	9°13	23°29	17°56	17°53	11°25	21°46	M11
T 12	13 21 34	22°15'31	2♊ 7	19°10	6°26	12°49	27°48	9°48	26°40	9°12	23°30	17°55	17°50	11°31	21°50	T 12
W13	13 25 31	23°14'09	14°19	21°15	7°31	13°35	28° 1	9°45	26°38	9°10	23°31	17°54	17°47	11°38	21°54	W13
T 14	13 29 27	24°12'45	26°21	23°21	8°35	14°21	28°14	9°43	26°36	9° 9	23°32	17°54	17°43	11°45	21°58	T 14
F 15	13 33 24	25°11'18	8♋17	25°27	9°40	15° 6	28°26	9°41	26°33	9° 7	23°33	17°53	17°40	11°52	22° 1	F 15
S 16	13 37 20	26° 9'49	20° 9	27°35	10°44	15°52	28°39	9°38	26°31	9° 5	23°35	17°53	17°37	11°58	22° 5	S 16
S 17	13 41 17	27° 8'19	2♌ 4	29°43	11°47	16°37	28°52	9°35	26°29	9° 4	23°36	17°D53	17°34	12° 5	22° 9	S 17
M18	13 45 13	28° 6'46	14° 6	1♉51	12°51	17°23	29° 5	9°33	26°27	9° 2	23°37	17°53	17°31	12°12	22°13	M18
T 19	13 49 10	29° 5'10	26°19	3°59	13°54	18° 8	29°18	9°30	26°25	9° 1	23°38	17°54	17°28	12°18	22°17	T 19
W20	13 53 7	0♉ 3'33	8♍47	6° 7	14°57	18°54	29°31	9°27	26°23	8°59	23°40	17°55	17°24	12°25	22°20	W20
T 21	13 57 3	1° 1'54	21°34	8°15	16° 0	19°39	29°44	9°24	26°21	8°57	23°41	17°56	17°21	12°32	22°24	T 21
F 22	14 1 0	2° 0'12	4♎42	10°21	17° 2	20°25	29°58	9°21	26°19	8°56	23°42	17°57	17°18	12°39	22°28	F 22
S 23	14 4 56	2°58'29	18°11	12°26	18° 4	21°10	0♊11	9°18	26°17	8°54	23°43	17°R57	17°15	12°45	22°32	S 23
S 24	14 8 53	3°56'43	2♏ 1	14°30	19° 6	21°55	0°24	9°15	26°15	8°53	23°45	17°57	17°12	12°52	22°35	S 24
M25	14 12 49	4°54'56	16°10	16°32	20° 7	22°40	0°37	9°12	26°13	8°51	23°46	17°56	17° 9	12°59	22°39	M25
T 26	14 16 46	5°53'08	0♐32	18°32	21° 8	23°25	0°51	9° 8	26°11	8°49	23°47	17°54	17° 5	13° 5	22°43	T 26
W27	14 20 42	6°51'17	15° 2	20°30	22° 9	24°10	1° 4	9° 5	26°10	8°48	23°49	17°51	17° 2	13°12	22°47	W27
T 28	14 24 39	7°49'26	29°35	22°25	23° 9	24°56	1°17	9° 2	26° 8	8°46	23°50	17°49	16°59	13°19	22°50	T 28
F 29	14 28 36	8°47'33	14♑ 4	24°17	24° 9	25°41	1°31	8°58	26° 6	8°44	23°51	17°47	16°56	13°26	22°54	F 29
S 30	14 32 32	9♑45'38	28♑26	26♑ 6	25♊ 8	26♈25	1♊44	8♐55	26♍ 5	8♏43	23♉52	17♈45	16♈53	13♋32	22♈58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n33	28s33	5s 6	2s53	2s 9	20n50	2n 0	1n 1	0s48	18n34	0s38	20s 9	1n53	1n52	0n47	12s55	1n51	5n42	13s21	7n 3	7n14	28n10	8n47	0n33
S 2	4 56	27 35	5 17	2 5	2 5	21 10	2 4	1 19	0 47	18 37	0 38	20 9	1 53	1 53	0 47	12 54	1 52	5 42	13 20	7 3	7 13	28 10	8 48	0 33
S 3	5 19	24 50	5 8	1 17	2 1	21 29	2 7	1 38	0 47	18 40	0 38	20 8	1 53	1 54	0 47	12 54	1 52	5 43	13 20	7 3	7 12	28 9	8 50	0 33
M 4	5 42	20 36	4 40	0 28	1 56	21 48	2 11	1 57	0 47	18 43	0 38	20 8	1 53	1 55	0 47	12 53	1 52	5 43	13 20	7 3	7 10	28 9	8 51	0 33
T 5	6 5	15 15	3 56	0n22	1 51	22 6	2 14	2 16	0 46	18 46	0 38	20 8	1 53	1 56	0 47	12 53	1 52	5 44	13 20	7 3	7 9	28 8	8 52	0 33
W 6	6 27	9 10	2 59	1 13	1 45	22 24	2 18	2 34	0 46	18 49	0 38	20 7	1 54	1 57	0 47	12 52	1 52	5 44	13 20	7 3	7 8	28 8	8 54	0 33
T 7	6 50	2 45	1 51	2 5	1 39	22 42	2 21	2 53	0 45	18 52	0 37	20 7	1 54	1 58	0 47	12 52	1 52	5 45	13 19	7 3	7 7	28 7	8 55	0 33
F 8	7 12	3n42	0 39	2 58	1 32	22 58	2 24	3 11	0 45	18 55	0 37	20 7	1 54	1 59	0 47	12 51	1 52	5 45	13 19	7 3	7 5	28 7	8 56	0 33
S 9	7 35	9 53	0n34	3 52	1 24	23 15	2 27	3 30	0 44	18 58	0 37	20 6	1 54	2 0	0 47	12 51	1 52	5 45	13 19	7 3	7 4	28 6	8 58	0 33
S 10	7 57	15 31	1 44	4 46	1 17	23 30	2 30	3 48	0 44	19 1	0 37	20 6	1 54	2 1	0 47	12 50	1 52	5 46	13 19	7 3	7 3	28 6	8 59	0 33
M11	8 19	20 22	2 47	5 41	1 8	23 45	2 34	4 7	0 43	19 4	0 37	20 5	1 54	2 2	0 47	12 50	1 52	5 46	13 19	7 3	7 2	28 5	9 0	0 33
T 12	8 41	24 14	3 41	6 36	1 0	24 0	2 37	4 25	0 43	19 7	0 37	20 5	1 54	2 3	0 47	12 49	1 52	5 47	13 18	7 3	7 1	28 5	9 2	0 33
W13	9 3	26 56	4 24	7 31	0 51	24 14	2 39	4 43	0 42	19 10	0 37	20 5	1 54	2 4	0 47	12 49	1 52	5 47	13 18	7 2	6 59	28 4	9 3	0 33
T 14	9 24	28 21	4 54	8 27	0 41	24 27	2 42	5 2	0 42	19 13	0 36	20 4	1 54	2 4	0 47	12 48	1 52	5 48	13 18	7 2	6 58	28 4	9 4	0 32
F 15	9 46	28 25	5 12	9 23	0 31	24 40	2 45	5 20	0 41	19 16	0 36	20 4	1 54	2 5	0 47	12 48	1 52	5 48	13 18	7 2	6 57	28 3	9 6	0 32
S 16	10 7	27 11	5 16	10 18	0 21	24 52	2 48	5 38	0 41	19 19	0 36	20 3	1 55	2 6	0 47	12 47	1 52	5 49	13 18	7 2	6 56	28 3	9 7	0 32
S 17	10 29	24 43	5 7	11 14	0 11	25 4	2 50	5 56	0 40	19 22	0 36	20 3	1 55	2 7	0 47	12 47	1 52	5 49	13 18	7 2	6 55	28 2	9 9	0 32
M18	10 50	21 9	4 44	12 8	0 0	25 15	2 53	6 14	0 40	19 25	0 36	20 2	1 55	2 8	0 47	12 46	1 52	5 49	13 17	7 2	6 53	28 2	9 10	0 32
T 19	11 10	16 39	4 8	13 2	0n11	25 25	2 55	6 32	0 39	19 28	0 36	20 2	1 55	2 8	0 47	12 46	1 52	5 50	13 17	7 2	6 52	28 1	9 11	0 32
W20	11 31	11 23	3 20	13 56	0 21	25 35	2 58	6 49	0 38	19 31	0 36	20 1	1 55	2 9	0 47	12 45	1 52	5 50	13 17	7 3	6 51	28 1	9 13	0 32
T 21	11 51	5 30	2 21	14 47	0 32	25 44	3 0	7 7	0 38	19 34	0 35	20 1	1 55	2 10	0 47	12 45	1 52	5 51	13 17	7 3	6 50	28 0	9 14	0 32
F 22	12 12	0s46	1 13	15 38	0 43	25 53	3 2	7 25	0 37	19 37	0 35	20 0	1 55	2 11	0 47	12 44	1 52	5 51	13 17	7 3	6 48	27 59	9 15	0 32
S 23	12 32	7 10	0s 1	16 27	0 53	26 1	3 4	7 42	0 37	19 39	0 35	20 0	1 55	2 12	0 47	12 44	1 52	5 51	13 17	7 3	6 47	27 59	9 17	0 32
S 24	12 52	13 24	1 17	17 14	1 4	26 8	3 6	8 0	0 36	19 42	0 35	19 59	1 55	2 12	0 47	12 43	1 52	5 52	13 17	7 3	6 46	27 58	9 18	0 32
M25	13 11	19 5	2 29	18 0	1 14	26 15	3 8	8 17	0 36	19 45	0 35	19 59	1 55	2 13	0 47	12 43	1 52	5 52	13 16	7 3	6 45	27 58	9 19	0 32
T 26	13 31	23 47	3 34	18 43	1 23	26 21	3 10	8 34	0 35	19 48	0 35	19 58	1 55	2 14	0 46	12 42	1 52	5 53	13 16	7 2	6 44	27 57	9 21	0 32
W27	13 50	27 2	4 25	19 24	1 32	26 27	3 12	8 51	0 35	19 51	0 35	19 58	1 55	2 14	0 46	12 42	1 52	5 53	13 16	7 1	6 42	27 56	9 22	0 32
T 28	14 9	28 28	4 59	20 2	1 41	26 32	3 13	9 9	0 34	19 54	0 34	19 57	1 55	2 15	0 46	12 41	1 52	5 54	13 16	7 0	6 41	27 56	9 23	0 31
F 29	14 28	27 57	5 14	20 39	1 49	26 36	3 14	9 26	0 33	19 57	0 34	19 56	1 55	2 16	0 46	12 41	1 52	5 54	13 16	6 59	6 40	27 55	9 24	0 31
S 30	14n46	25s34	5s 9	21n12	1n57	26n40	3n16	9n42	0s33	20n 0	0s34	19s56	1n55	2n16	0n46	12s40	1n52	5n54	13s16	6n59	6n39	27n55	9n26	0n31

Julian Day Number = 2317591.5, Delta T = 55.41 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'17, Lahiri = 18°44'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

MAY 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 36 29	10♉43'42	12♒36	27♉52	26♊ 7	27♈10	1♊58	8°R51	26°R 3	8°R41	23♉54	17°D45	16♈49	13♋39	23♈ 1	S 1
M 2	14 40 25	11°41'44	26°34	29°35	27° 6	27°55	2°11	8♐47	26♍ 1	8♏40	23°55	17♈46	16°46	13°46	23° 5	M 2
T 3	14 44 22	12°39'46	10♓17	1♊15	28° 4	28°40	2°25	8°44	26° 0	8°38	23°56	17°47	16°43	13°53	23° 9	T 3
W 4	14 48 18	13°37'45	23°47	2°50	29° 2	29°25	2°39	8°40	25°58	8°36	23°58	17°48	16°40	13°59	23°12	W 4
T 5	14 52 15	14°35'44	7♈ 4	4°23	29°59	0♉ 9	2°52	8°36	25°57	8°35	23°59	17°50	16°37	14° 6	23°16	T 5
F 6	14 56 11	15°33'41	20° 7	5°51	0♋56	0°54	3° 6	8°32	25°55	8°33	24° 0	17°R50	16°34	14°13	23°19	F 6
S 7	15 0 8	16°31'36	2♉58	7°16	1°52	1°39	3°20	8°28	25°54	8°31	24° 2	17°49	16°30	14°19	23°23	S 7
S 8	15 4 5	17°29'31	15°37	8°37	2°48	2°23	3°33	8°24	25°53	8°30	24° 3	17°47	16°27	14°26	23°27	S 8
M 9	15 8 1	18°27'23	28° 4	9°54	3°44	3° 8	3°47	8°20	25°52	8°28	24° 4	17°43	16°24	14°33	23°30	M 9
T 10	15 11 58	19°25'14	10♊21	11° 7	4°38	3°52	4° 1	8°16	25°50	8°27	24° 6	17°38	16°21	14°40	23°34	T 10
W11	15 15 54	20°23'04	22°28	12°16	5°33	4°37	4°15	8°12	25°49	8°25	24° 7	17°32	16°18	14°46	23°37	W11
T 12	15 19 51	21°20'52	4♋27	13°22	6°26	5°21	4°28	8° 8	25°48	8°23	24° 9	17°26	16°15	14°53	23°41	T 12
F 13	15 23 47	22°18'39	16°21	14°23	7°19	6° 5	4°42	8° 4	25°47	8°22	24°10	17°21	16°11	15° 0	23°44	F 13
S 14	15 27 44	23°16'24	28°13	15°19	8°12	6°49	4°56	8° 0	25°46	8°20	24°11	17°17	16° 8	15° 7	23°47	S 14
S 15	15 31 41	24°14'07	10♌ 7	16°12	9° 4	7°34	5°10	7°56	25°45	8°19	24°13	17°14	16° 5	15°13	23°51	S 15
M16	15 35 37	25°11'49	22° 7	17° 0	9°55	8°18	5°24	7°51	25°44	8°17	24°14	17°D13	16° 2	15°20	23°54	M16
T 17	15 39 34	26° 9'29	4♍17	17°44	10°45	9° 2	5°38	7°47	25°43	8°16	24°15	17°13	15°59	15°27	23°58	T 17
W18	15 43 30	27° 7'07	16°43	18°24	11°35	9°46	5°51	7°43	25°42	8°14	24°17	17°15	15°55	15°33	24° 1	W18
T 19	15 47 27	28° 4'44	29°30	18°59	12°24	10°30	6° 5	7°38	25°41	8°13	24°18	17°16	15°52	15°40	24° 4	T 19
F 20	15 51 23	29° 2'20	12♎39	19°29	13°12	11°14	6°19	7°34	25°41	8°11	24°19	17°R17	15°49	15°47	24° 7	F 20
S 21	15 55 20	29°59'54	26°15	19°55	13°59	11°57	6°33	7°30	25°40	8°10	24°21	17°17	15°46	15°54	24°11	S 21
S 22	15 59 16	0♊57'26	10♏18	20°16	14°46	12°41	6°47	7°25	25°39	8° 8	24°22	17°15	15°43	16° 0	24°14	S 22
M23	16 3 13	1°54'58	24°44	20°32	15°31	13°25	7° 1	7°21	25°39	8° 7	24°23	17°11	15°40	16° 7	24°17	M23
T 24	16 7 9	2°52'28	9♐29	20°44	16°16	14° 8	7°15	7°16	25°38	8° 5	24°25	17° 5	15°36	16°14	24°20	T 24
W25	16 11 6	3°49'58	24°25	20°51	17° 0	14°52	7°29	7°12	25°38	8° 4	24°26	16°58	15°33	16°20	24°23	W25
T 26	16 15 3	4°47'26	9♑24	20°R53	17°43	15°36	7°43	7° 8	25°37	8° 2	24°28	16°51	15°30	16°27	24°26	T 26
F 27	16 18 59	5°44'54	24°15	20°51	18°25	16°19	7°57	7° 3	25°37	8° 1	24°29	16°45	15°27	16°34	24°30	F 27
S 28	16 22 56	6°42'20	8♒53	20°44	19° 5	17° 3	8°11	6°59	25°37	7°59	24°30	16°40	15°24	16°41	24°33	S 28
S 29	16 26 52	7°39'46	23°12	20°33	19°45	17°46	8°25	6°54	25°36	7°58	24°32	16°38	15°21	16°47	24°36	S 29
M30	16 30 49	8°37'12	7♓10	20°18	20°24	18°29	8°39	6°50	25°36	7°57	24°33	16°D37	15°17	16°54	24°39	M30
T 31	16 34 45	9♊34'36	20♓47	19♊59	21♋ 1	19♉13	8♊53	6♐45	25♍36	7♏55	24♉34	16♈37	15♈14	17♋ 1	24♈41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 4	21s37	4s46	21n44	2n 3	26n43	3n17	9n59	0s32	20n 2	0s34	19s55	1n55	2n17	0n46	12s40	1n52	5n55	13s16	6n59	6n37	27n54	9n27	0n31
M 2	15 22	16 32	4 5	22 12	2 9	26 45	3 18	10 16	0 32	20 5	0 34	19 55	1 55	2 18	0 46	12 39	1 52	5 55	13 16	6 59	6 36	27 53	9 28	0 31
T 3	15 40	10 41	3 12	22 39	2 14	26 47	3 19	10 32	0 31	20 8	0 34	19 54	1 56	2 18	0 46	12 38	1 52	5 56	13 16	6 59	6 35	27 53	9 30	0 31
W 4	15 58	4 26	2 8	23 2	2 19	26 49	3 20	10 49	0 31	20 11	0 34	19 53	1 56	2 19	0 46	12 38	1 52	5 56	13 16	7 0	6 34	27 52	9 31	0 31
T 5	16 15	1n55	0 59	23 24	2 22	26 50	3 20	11 5	0 30	20 14	0 34	19 53	1 56	2 19	0 46	12 37	1 52	5 56	13 16	7 1	6 33	27 51	9 32	0 31
F 6	16 32	8 4	0n13	23 43	2 25	26 50	3 21	11 21	0 29	20 16	0 34	19 52	1 56	2 20	0 46	12 37	1 52	5 57	13 15	7 1	6 31	27 50	9 34	0 31
S 7	16 49	13 49	1 22	23 59	2 27	26 50	3 21	11 37	0 29	20 19	0 33	19 52	1 56	2 20	0 46	12 36	1 52	5 57	13 15	7 0	6 30	27 50	9 35	0 31
S 8	17 5	18 53	2 26	24 13	2 28	26 49	3 21	11 53	0 28	20 22	0 33	19 51	1 56	2 21	0 46	12 36	1 52	5 57	13 15	6 59	6 29	27 49	9 36	0 31
M 9	17 21	23 3	3 22	24 25	2 28	26 47	3 21	12 9	0 28	20 24	0 33	19 50	1 56	2 21	0 46	12 35	1 52	5 58	13 15	6 58	6 28	27 48	9 37	0 31
T 10	17 37	26 8	4 8	24 35	2 27	26 45	3 21	12 25	0 27	20 27	0 33	19 50	1 56	2 22	0 46	12 35	1 52	5 58	13 15	6 56	6 26	27 48	9 39	0 31
W11	17 53	27 58	4 42	24 43	2 26	26 43	3 21	12 40	0 26	20 30	0 33	19 49	1 56	2 22	0 46	12 34	1 52	5 59	13 15	6 54	6 25	27 47	9 40	0 31
T 12	18 8	28 28	5 3	24 49	2 23	26 40	3 20	12 56	0 26	20 32	0 33	19 48	1 56	2 22	0 46	12 34	1 52	5 59	13 15	6 52	6 24	27 46	9 41	0 31
F 13	18 23	27 37	5 11	24 53	2 19	26 36	3 20	13 11	0 25	20 35	0 33	19 48	1 56	2 23	0 46	12 33	1 52	5 59	13 15	6 50	6 23	27 45	9 42	0 30
S 14	18 38	25 32	5 5	24 55	2 15	26 33	3 19	13 26	0 25	20 38	0 33	19 47	1 56	2 23	0 46	12 33	1 52	6 0	13 15	6 48	6 22	27 45	9 43	0 30
S 15	18 52	22 20	4 46	24 55	2 9	26 28	3 18	13 41	0 24	20 40	0 33	19 46	1 56	2 24	0 46	12 32	1 52	6 0	13 15	6 47	6 20	27 44	9 45	0 30
M16	19 6	18 11	4 15	24 53	2 3	26 23	3 17	13 56	0 23	20 43	0 32	19 46	1 56	2 24	0 46	12 32	1 52	6 0	13 15	6 47	6 19	27 43	9 46	0 30
T 17	19 20	13 15	3 32	24 50	1 55	26 18	3 15	14 11	0 23	20 45	0 32	19 45	1 56	2 24	0 46	12 32	1 52	6 1	13 15	6 47	6 18	27 42	9 47	0 30
W18	19 33	7 41	2 38	24 46	1 47	26 12	3 14	14 25	0 22	20 48	0 32	19 44	1 56	2 25	0 46	12 31	1 52	6 1	13 15	6 47	6 17	27 41	9 48	0 30
T 19	19 46	1 39	1 35	24 39	1 38	26 5	3 12	14 40	0 21	20 51	0 32	19 44	1 56	2 25	0 46	12 31	1 52	6 1	13 15	6 48	6 15	27 41	9 49	0 30
F 20	19 59	4s38	0 25	24 32	1 28	25 59	3 10	14 54	0 21	20 53	0 32	19 43	1 56	2 25	0 46	12 30	1 52	6 2	13 15	6 48	6 14	27 40	9 50	0 30
S 21	20 12	10 54	0s48	24 23	1 16	25 52	3 7	15 8	0 20	20 55	0 32	19 42	1 56	2 25	0 46	12 30	1 52	6 2	13 15	6 48	6 13	27 39	9 52	0 30
S 22	20 24	16 51	2 1	24 12	1 4	25 44	3 5	15 22	0 20	20 58	0 32	19 42	1 55	2 26	0 46	12 29	1 52	6 2	13 15	6 47	6 12	27 38	9 53	0 30
M23	20 35	22 2	3 8	24 1	0 52	25 36	3 2	15 36	0 19	21 0	0 32	19 41	1 55	2 26	0 45	12 29	1 52	6 3	13 15	6 46	6 11	27 37	9 54	0 30
T 24	20 47	25 56	4 4	23 48	0 38	25 28	2 59	15 50	0 18	21 3	0 32	19 40	1 55	2 26	0 45	12 28	1 52	6 3	13 15	6 44	6 9	27 36	9 55	0 30
W25	20 58	28 6	4 44	23 34	0 24	25 19	2 56	16 3	0 18	21 5	0 32	19 40	1 55	2 26	0 45	12 28	1 52	6 3	13 15	6 41	6 8	27 36	9 56	0 30
T 26	21 8	28 13	5 5	23 19	0 8	25 10	2 53	16 16	0 17	21 8	0 31	19 39	1 55	2 26	0 45	12 27	1 52	6 3	13 15	6 38	6 7	27 35	9 57	0 30
F 27	21 19	26 18	5 5	23 3	0s 7	25 1	2 49	16 30	0 16	21 10	0 31	19 38	1 55	2 26	0 45	12 27	1 52	6 4	13 15	6 36	6 6	27 34	9 58	0 30
S 28	21 28	22 39	4 45	22 46	0 23	24 51	2 45	16 43	0 16	21 12	0 31	19 38	1 55	2 26	0 45	12 27	1 51	6 4	13 15	6 34	6 4	27 33	9 59	0 30
S 29	21 38	17 42	4 7	22 29	0 40	24 41	2 41	16 55	0 15	21 14	0 31	19 37	1 55	2 26	0 45	12 26	1 51	6 4	13 15	6 33	6 3	27 32	10 0	0 30
M30	21 47	11 55	3 16	22 11	0 57	24 31	2 37	17 8	0 14	21 17	0 31	19 36	1 55	2 26	0 45	12 26	1 51	6 5	13 15	6 33	6 2	27 31	10 1	0 29
T 31	21n56	5s43	2s14	21n52	1s14	24n21	2n32	17n21	0s14	21n19	0s31	19s36	1n55	2n27	0n45	12s25	1n51	6n 5	13s15	6n33	6n 1	27n30	10n 2	0n29

Julian Day Number = 2317621.5, Delta T = 55.35 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'21, Lahiri = 18°44'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

JUNE 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 38 42	10♊32'00	4♈ 4	19°R37	21♋37	19♉56	9♊ 7	6°R41	25°R36	7°R54	24♉35	16♈38	15♈11	17♋ 8	24♈44	W 1
T 2	16 42 39	11°29'24	17° 3	19♊12	22°12	20°39	9°21	6♐36	25♍36	7♏53	24°37	16°R38	15° 8	17°14	24°47	T 2
F 3	16 46 35	12°26'47	29°48	18°44	22°46	21°22	9°35	6°32	25°D36	7°51	24°38	16°38	15° 5	17°21	24°50	F 3
S 4	16 50 32	13°24'09	12♉21	18°14	23°18	22° 5	9°49	6°28	25°36	7°50	24°39	16°35	15° 1	17°28	24°53	S 4
S 5	16 54 28	14°21'30	24°43	17°42	23°49	22°48	10° 2	6°23	25°36	7°49	24°41	16°29	14°58	17°34	24°56	S 5
M 6	16 58 25	15°18'51	6♊57	17° 9	24°19	23°31	10°16	6°19	25°36	7°48	24°42	16°21	14°55	17°41	24°58	M 6
T 7	17 2 21	16°16'12	19° 3	16°35	24°47	24°14	10°30	6°15	25°36	7°47	24°43	16°11	14°52	17°48	25° 1	T 7
W 8	17 6 18	17°13'31	1♋ 3	16° 1	25°13	24°57	10°44	6°10	25°37	7°45	24°45	16° 0	14°49	17°55	25° 4	W 8
T 9	17 10 14	18°10'50	12°58	15°28	25°38	25°40	10°58	6° 6	25°37	7°44	24°46	15°49	14°46	18° 1	25° 6	T 9
F 10	17 14 11	19° 8'09	24°50	14°56	26° 1	26°22	11°12	6° 2	25°37	7°43	24°47	15°38	14°42	18° 8	25° 9	F 10
S 11	17 18 8	20° 5'26	6♌41	14°26	26°22	27° 5	11°26	5°57	25°38	7°42	24°48	15°29	14°39	18°15	25°11	S 11
S 12	17 22 4	21° 2'43	18°34	13°58	26°42	27°48	11°40	5°53	25°38	7°41	24°50	15°22	14°36	18°22	25°14	S 12
M13	17 26 1	21°59'59	0♍33	13°32	27° 0	28°30	11°54	5°49	25°39	7°40	24°51	15°17	14°33	18°28	25°16	M13
T 14	17 29 57	22°57'14	12°41	13°10	27°15	29°13	12° 7	5°45	25°39	7°39	24°52	15°15	14°30	18°35	25°19	T 14
W15	17 33 54	23°54'28	25° 4	12°51	27°29	29°55	12°21	5°41	25°40	7°38	24°53	15°D14	14°27	18°42	25°21	W15
T 16	17 37 50	24°51'42	7♎46	12°36	27°41	0♊38	12°35	5°37	25°41	7°37	24°54	15°15	14°23	18°48	25°23	T 16
F 17	17 41 47	25°48'55	20°52	12°24	27°50	1°20	12°49	5°33	25°41	7°36	24°56	15°R15	14°20	18°55	25°26	F 17
S 18	17 45 43	26°46'07	4♏26	12°18	27°58	2° 2	13° 2	5°29	25°42	7°35	24°57	15°13	14°17	19° 2	25°28	S 18
S 19	17 49 40	27°43'19	18°29	12°D15	28° 3	2°44	13°16	5°25	25°43	7°34	24°58	15°10	14°14	19° 9	25°30	S 19
M20	17 53 37	28°40'30	3♐ 0	12°18	28° 6	3°26	13°30	5°21	25°44	7°33	24°59	15° 4	14°11	19°15	25°32	M20
T 21	17 57 33	29°37'41	17°55	12°25	28°R 7	4° 9	13°43	5°17	25°45	7°32	25° 0	14°56	14° 7	19°22	25°34	T 21
W22	18 1 30	0♋34'52	3♑ 6	12°37	28° 5	4°51	13°57	5°13	25°46	7°31	25° 1	14°46	14° 4	19°29	25°36	W22
T 23	18 5 26	1°32'02	18°23	12°53	28° 1	5°33	14°11	5° 9	25°47	7°31	25° 3	14°36	14° 1	19°35	25°38	T 23
F 24	18 9 23	2°29'13	3♒33	13°15	27°54	6°14	14°24	5° 6	25°48	7°30	25° 4	14°26	13°58	19°42	25°40	F 24
S 25	18 13 19	3°26'23	18°28	13°41	27°45	6°56	14°38	5° 2	25°49	7°29	25° 5	14°18	13°55	19°49	25°42	S 25
S 26	18 17 16	4°23'34	3♓ 1	14°12	27°34	7°38	14°51	4°58	25°50	7°28	25° 6	14°13	13°52	19°56	25°44	S 26
M27	18 21 13	5°20'44	17° 7	14°48	27°20	8°20	15° 5	4°55	25°52	7°28	25° 7	14°11	13°48	20° 2	25°46	M27
T 28	18 25 9	6°17'55	0♈46	15°29	27° 4	9° 2	15°18	4°51	25°53	7°27	25° 8	14°10	13°45	20° 9	25°48	T 28
W29	18 29 6	7°15'06	14° 0	16°14	26°46	9°43	15°32	4°48	25°54	7°26	25° 9	14°10	13°42	20°16	25°50	W29
T 30	18 33 2	8♋12'17	26♈53	17♊ 4	26♋26	10♊25	15♊45	4♐45	25♍56	7♏26	25♉10	14♈ 9	13♈39	20♋23	25♈51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 4	0n36	1s 7	21n34	1s32	24n10	2n27	17n33	0s13	21n21	0s31	19s35	1n55	2n27	0n45	12s25	1n51	6n 5	13s15	6n33	6n 0	27n29	10n 3	0n29
T 2	22 12	6 45	0n 2	21 14	1 49	23 59	2 22	17 45	0 12	21 23	0 31	19 34	1 55	2 27	0 45	12 25	1 51	6 5	13 15	6 33	5 58	27 28	10 4	0 29
F 3	22 20	12 31	1 10	20 55	2 6	23 48	2 16	17 57	0 12	21 26	0 31	19 34	1 55	2 26	0 45	12 24	1 51	6 6	13 15	6 33	5 57	27 27	10 5	0 29
S 4	22 27	17 41	2 13	20 36	2 22	23 37	2 11	18 9	0 11	21 28	0 31	19 33	1 55	2 26	0 45	12 24	1 51	6 6	13 15	6 32	5 56	27 27	10 6	0 29
S 5	22 34	22 2	3 9	20 17	2 38	23 25	2 4	18 21	0 10	21 30	0 31	19 32	1 55	2 26	0 45	12 23	1 51	6 6	13 15	6 30	5 55	27 26	10 7	0 29
M 6	22 41	25 22	3 55	19 59	2 54	23 14	1 58	18 32	0 10	21 32	0 30	19 32	1 54	2 26	0 45	12 23	1 51	6 6	13 15	6 27	5 53	27 25	10 8	0 29
T 7	22 47	27 31	4 30	19 41	3 8	23 2	1 51	18 43	0 9	21 34	0 30	19 31	1 54	2 26	0 45	12 23	1 51	6 6	13 15	6 23	5 52	27 24	10 9	0 29
W 8	22 52	28 22	4 53	19 24	3 22	22 50	1 44	18 54	0 8	21 36	0 30	19 30	1 54	2 26	0 45	12 22	1 51	6 7	13 15	6 18	5 51	27 23	10 10	0 29
T 9	22 58	27 52	5 2	19 8	3 34	22 38	1 36	19 5	0 8	21 38	0 30	19 30	1 54	2 26	0 45	12 22	1 51	6 7	13 16	6 14	5 50	27 22	10 11	0 29
F 10	23 3	26 6	4 59	18 54	3 46	22 26	1 29	19 16	0 7	21 40	0 30	19 29	1 54	2 26	0 45	12 22	1 51	6 7	13 16	6 10	5 48	27 21	10 12	0 29
S 11	23 7	23 12	4 43	18 40	3 56	22 14	1 20	19 27	0 6	21 42	0 30	19 28	1 54	2 25	0 45	12 21	1 51	6 7	13 16	6 6	5 47	27 20	10 13	0 29
S 12	23 11	19 19	4 14	18 29	4 5	22 2	1 12	19 37	0 6	21 44	0 30	19 28	1 54	2 25	0 45	12 21	1 51	6 7	13 16	6 4	5 46	27 19	10 14	0 29
M13	23 15	14 38	3 34	18 18	4 12	21 50	1 3	19 47	0 5	21 46	0 30	19 27	1 54	2 25	0 45	12 21	1 51	6 8	13 16	6 2	5 45	27 18	10 15	0 29
T 14	23 18	9 20	2 44	18 10	4 18	21 38	0 54	19 57	0 4	21 48	0 30	19 27	1 54	2 25	0 45	12 21	1 51	6 8	13 16	6 1	5 44	27 17	10 15	0 29
W15	23 21	3 34	1 45	18 3	4 22	21 26	0 44	20 7	0 4	21 50	0 30	19 26	1 53	2 24	0 44	12 20	1 51	6 8	13 16	6 1	5 42	27 16	10 16	0 29
T 16	23 23	2s29	0 40	17 58	4 25	21 14	0 34	20 16	0 3	21 52	0 30	19 25	1 53	2 24	0 44	12 20	1 51	6 8	13 16	6 1	5 41	27 15	10 17	0 29
F 17	23 25	8 38	0s30	17 55	4 27	21 2	0 24	20 26	0 2	21 54	0 30	19 25	1 53	2 24	0 44	12 20	1 51	6 8	13 16	6 1	5 40	27 14	10 18	0 28
S 18	23 27	14 36	1 40	17 54	4 28	20 50	0 13	20 35	0 2	21 55	0 30	19 24	1 53	2 23	0 44	12 19	1 51	6 9	13 16	6 0	5 39	27 13	10 19	0 28
S 19	23 28	20 2	2 46	17 54	4 27	20 38	0 2	20 44	0 1	21 57	0 29	19 24	1 53	2 23	0 44	12 19	1 51	6 9	13 17	5 59	5 37	27 12	10 19	0 28
M20	23 29	24 28	3 44	17 57	4 25	20 26	0s 9	20 53	0 0	21 59	0 29	19 23	1 53	2 23	0 44	12 19	1 51	6 9	13 17	5 57	5 36	27 10	10 20	0 28
T 21	23 29	27 24	4 29	18 1	4 21	20 14	0 21	21 1	0n 0	22 1	0 29	19 23	1 53	2 22	0 44	12 19	1 51	6 9	13 17	5 54	5 35	27 9	10 21	0 28
W22	23 29	28 22	4 55	18 7	4 17	20 3	0 33	21 10	0 1	22 2	0 29	19 22	1 53	2 22	0 44	12 19	1 50	6 9	13 17	5 50	5 34	27 8	10 21	0 28
T 23	23 29	27 11	5 0	18 14	4 12	19 52	0 46	21 18	0 2	22 4	0 29	19 22	1 52	2 21	0 44	12 18	1 50	6 9	13 17	5 46	5 32	27 7	10 22	0 28
F 24	23 28	24 0	4 45	18 23	4 5	19 40	0 58	21 26	0 2	22 6	0 29	19 21	1 52	2 21	0 44	12 18	1 50	6 9	13 17	5 42	5 31	27 6	10 23	0 28
S 25	23 27	19 16	4 10	18 33	3 58	19 29	1 11	21 34	0 3	22 7	0 29	19 21	1 52	2 20	0 44	12 18	1 50	6 9	13 17	5 39	5 30	27 5	10 23	0 28
S 26	23 25	13 31	3 19	18 45	3 50	19 18	1 25	21 41	0 4	22 9	0 29	19 20	1 52	2 20	0 44	12 18	1 50	6 10	13 17	5 37	5 29	27 4	10 24	0 28
M27	23 23	7 13	2 18	18 58	3 41	19 8	1 38	21 49	0 4	22 10	0 29	19 20	1 52	2 19	0 44	12 18	1 50	6 10	13 18	5 36	5 27	27 3	10 25	0 28
T 28	23 20	0 46	1 10	19 12	3 31	18 57	1 52	21 56	0 5	22 12	0 29	19 19	1 52	2 19	0 44	12 17	1 50	6 10	13 18	5 36	5 26	27 2	10 25	0 28
W29	23 17	5n31	0 1	19 27	3 21	18 47	2 6	22 3	0 6	22 13	0 29	19 19	1 51	2 18	0 44	12 17	1 50	6 10	13 18	5 36	5 25	27 1	10 26	0 28
T 30	23n14	11n25	1n 7	19n42	3s10	18n37	2s20	22n10	0n 6	22n15	0s29	19s18	1n51	2n18	0n44	12s17	1n50	6n10	13s18	5n36	5n24	26n59	10n26	0n28

Julian Day Number = 2317652.5, Delta T = 55.28 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'25, Lahiri = 18°44'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

JULY 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 36 59	9♋ 9'29	9♉28	17♊59	26°R 3	11♊ 6	15♊58	4°R41	25♍57	7°R25	25♉11	14°R 7	13♈36	20♋29	25♈53	F 1
S 2	18 40 55	10° 6'41	21°50	18°58	25♋38	11°48	16°12	4♐38	25°59	7♏25	25°12	14♈ 3	13°33	20°36	25°54	S 2
S 3	18 44 52	11° 3'54	4♊ 1	20° 1	25°11	12°29	16°25	4°35	26° 0	7°24	25°13	13°56	13°29	20°43	25°56	S 3
M 4	18 48 48	12° 1'06	16° 4	21° 9	24°43	13°11	16°38	4°32	26° 2	7°24	25°14	13°46	13°26	20°49	25°57	M 4
T 5	18 52 45	12°58'19	28° 2	22°21	24°12	13°52	16°51	4°29	26° 4	7°23	25°15	13°34	13°23	20°56	25°59	T 5
W 6	18 56 42	13°55'33	9♋57	23°38	23°40	14°33	17° 4	4°26	26° 5	7°23	25°16	13°21	13°20	21° 3	26° 0	W 6
T 7	19 0 38	14°52'46	21°49	24°59	23° 7	15°14	17°18	4°23	26° 7	7°22	25°17	13° 7	13°17	21°10	26° 2	T 7
F 8	19 4 35	15°50'00	3♌40	26°23	22°32	15°55	17°31	4°20	26° 9	7°22	25°18	12°53	13°13	21°16	26° 3	F 8
S 9	19 8 31	16°47'14	15°33	27°52	21°57	16°36	17°44	4°18	26°11	7°22	25°19	12°42	13°10	21°23	26° 4	S 9
S 10	19 12 28	17°44'28	27°28	29°25	21°20	17°17	17°57	4°15	26°12	7°21	25°20	12°33	13° 7	21°30	26° 5	S 10
M11	19 16 24	18°41'43	9♍29	1♋ 2	20°43	17°58	18° 9	4°13	26°14	7°21	25°21	12°27	13° 4	21°37	26° 6	M11
T 12	19 20 21	19°38'57	21°39	2°42	20° 6	18°39	18°22	4°10	26°16	7°21	25°22	12°23	13° 1	21°43	26° 7	T 12
W13	19 24 17	20°36'12	4♎ 1	4°26	19°28	19°20	18°35	4° 8	26°18	7°21	25°22	12°22	12°58	21°50	26° 8	W13
T 14	19 28 14	21°33'27	16°41	6°13	18°51	20° 1	18°48	4° 5	26°20	7°20	25°23	12°22	12°54	21°57	26° 9	T 14
F 15	19 32 11	22°30'42	29°43	8° 4	18°14	20°42	19° 0	4° 3	26°23	7°20	25°24	12°22	12°51	22° 3	26°10	F 15
S 16	19 36 7	23°27'58	13♏11	9°57	17°38	21°22	19°13	4° 1	26°25	7°20	25°25	12°21	12°48	22°10	26°11	S 16
S 17	19 40 4	24°25'14	27° 7	11°53	17° 2	22° 3	19°26	3°59	26°27	7°20	25°26	12°17	12°45	22°17	26°12	S 17
M18	19 44 0	25°22'30	11♐32	13°52	16°28	22°43	19°38	3°57	26°29	7°20	25°26	12°12	12°42	22°24	26°12	M18
T 19	19 47 57	26°19'46	26°22	15°52	15°55	23°24	19°51	3°55	26°31	7°D20	25°27	12° 4	12°39	22°30	26°13	T 19
W20	19 51 53	27°17'04	11♑32	17°54	15°23	24° 4	20° 3	3°53	26°34	7°20	25°28	11°54	12°35	22°37	26°14	W20
T 21	19 55 50	28°14'21	26°51	19°58	14°53	24°45	20°15	3°52	26°36	7°20	25°29	11°44	12°32	22°44	26°14	T 21
F 22	19 59 46	29°11'40	12♒ 9	22° 3	14°25	25°25	20°28	3°50	26°39	7°20	25°29	11°35	12°29	22°50	26°15	F 22
S 23	20 3 43	0♌ 8'59	27°13	24° 8	13°58	26° 5	20°40	3°49	26°41	7°20	25°30	11°27	12°26	22°57	26°15	S 23
S 24	20 7 40	1° 6'19	11♓56	26°14	13°34	26°45	20°52	3°47	26°43	7°20	25°31	11°22	12°23	23° 4	26°16	S 24
M25	20 11 36	2° 3'40	26°11	28°21	13°12	27°25	21° 4	3°46	26°46	7°20	25°31	11°19	12°19	23°11	26°16	M25
T 26	20 15 33	3° 1'02	9♈58	0♌27	12°52	28° 6	21°16	3°45	26°49	7°21	25°32	11°D18	12°16	23°17	26°16	T 26
W27	20 19 29	3°58'25	23°17	2°32	12°34	28°46	21°28	3°43	26°51	7°21	25°33	11°18	12°13	23°24	26°17	W27
T 28	20 23 26	4°55'50	6♉11	4°37	12°19	29°25	21°40	3°42	26°54	7°21	25°33	11°R19	12°10	23°31	26°17	T 28
F 29	20 27 22	5°53'15	18°45	6°42	12° 6	0♋ 5	21°52	3°41	26°56	7°21	25°34	11°18	12° 7	23°38	26°17	F 29
S 30	20 31 19	6°50'42	1♊ 3	8°45	11°56	0°45	22° 3	3°41	26°59	7°22	25°34	11°15	12° 4	23°44	26°17	S 30
S 31	20 35 15	7♌48'11	13♊ 9	10♌48	11♋47	1♋25	22♊15	3♐40	27♍ 2	7♏22	25♉35	11♈10	12♈ 0	23♋51	26°R17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n10	16n43	2n 9	19n59	2s59	18n28	2s34	22n16	0n 7	22n16	0s29	19s18	1n51	2n17	0n44	12s17	1n50	6n10	13s18	5n35	5n23	26n58	10n27	0n28
S 2	23 6	21 14	3 5	20 15	2 47	18 18	2 48	22 23	0 8	22 18	0 29	19 18	1 51	2 16	0 44	12 17	1 50	6 10	13 18	5 33	5 21	26 57	10 28	0 28
S 3	23 2	24 46	3 51	20 32	2 35	18 9	3 2	22 29	0 9	22 19	0 29	19 17	1 51	2 16	0 44	12 17	1 50	6 10	13 18	5 31	5 20	26 56	10 28	0 28
M 4	22 57	27 10	4 26	20 50	2 22	18 0	3 17	22 35	0 9	22 21	0 28	19 17	1 51	2 15	0 44	12 17	1 50	6 10	13 19	5 27	5 19	26 55	10 28	0 28
T 5	22 51	28 17	4 49	21 7	2 10	17 52	3 31	22 41	0 10	22 22	0 28	19 16	1 50	2 14	0 44	12 16	1 50	6 10	13 19	5 22	5 18	26 54	10 29	0 28
W 6	22 46	28 5	4 59	21 24	1 57	17 43	3 45	22 46	0 11	22 23	0 28	19 16	1 50	2 14	0 44	12 16	1 50	6 10	13 19	5 17	5 16	26 52	10 29	0 27
T 7	22 39	26 35	4 56	21 40	1 43	17 35	3 58	22 51	0 11	22 25	0 28	19 16	1 50	2 13	0 44	12 16	1 50	6 10	13 19	5 11	5 15	26 51	10 30	0 27
F 8	22 33	23 54	4 40	21 56	1 30	17 28	4 12	22 57	0 12	22 26	0 28	19 15	1 50	2 12	0 44	12 16	1 50	6 10	13 19	5 6	5 14	26 50	10 30	0 27
S 9	22 26	20 13	4 12	22 12	1 17	17 20	4 25	23 1	0 13	22 27	0 28	19 15	1 50	2 11	0 43	12 16	1 50	6 10	13 20	5 2	5 13	26 49	10 31	0 27
S 10	22 19	15 43	3 33	22 26	1 3	17 13	4 38	23 6	0 13	22 28	0 28	19 15	1 49	2 10	0 43	12 16	1 49	6 10	13 20	4 58	5 11	26 48	10 31	0 27
M11	22 11	10 34	2 44	22 39	0 50	17 7	4 50	23 11	0 14	22 30	0 28	19 15	1 49	2 10	0 43	12 16	1 49	6 10	13 20	4 56	5 10	26 46	10 31	0 27
T 12	22 3	4 58	1 47	22 50	0 37	17 0	5 2	23 15	0 15	22 31	0 28	19 14	1 49	2 9	0 43	12 16	1 49	6 10	13 20	4 54	5 9	26 45	10 32	0 27
W13	21 54	0s56	0 44	23 0	0 24	16 55	5 13	23 19	0 15	22 32	0 28	19 14	1 49	2 8	0 43	12 16	1 49	6 10	13 20	4 54	5 8	26 44	10 32	0 27
T 14	21 46	6 56	0s23	23 9	0 12	16 49	5 24	23 23	0 16	22 33	0 28	19 14	1 49	2 7	0 43	12 16	1 49	6 10	13 20	4 54	5 6	26 43	10 32	0 27
F 15	21 36	12 48	1 30	23 15	0n 0	16 44	5 34	23 27	0 17	22 34	0 28	19 14	1 48	2 6	0 43	12 16	1 49	6 10	13 21	4 54	5 5	26 41	10 33	0 27
S 16	21 27	18 18	2 35	23 19	0 12	16 39	5 43	23 30	0 18	22 35	0 28	19 13	1 48	2 5	0 43	12 16	1 49	6 10	13 21	4 53	5 4	26 40	10 33	0 27
S 17	21 17	23 1	3 33	23 21	0 23	16 35	5 52	23 33	0 18	22 36	0 28	19 13	1 48	2 4	0 43	12 16	1 49	6 10	13 21	4 52	5 3	26 39	10 33	0 27
M18	21 6	26 30	4 20	23 20	0 34	16 31	6 0	23 36	0 19	22 37	0 28	19 13	1 48	2 4	0 43	12 16	1 49	6 10	13 21	4 50	5 1	26 38	10 33	0 27
T 19	20 56	28 16	4 50	23 16	0 44	16 28	6 7	23 39	0 20	22 38	0 28	19 13	1 48	2 3	0 43	12 16	1 49	6 10	13 22	4 47	5 0	26 36	10 33	0 27
W20	20 45	27 59	5 1	23 10	0 53	16 25	6 14	23 42	0 20	22 39	0 28	19 13	1 47	2 2	0 43	12 16	1 49	6 10	13 22	4 43	4 59	26 35	10 34	0 27
T 21	20 33	25 35	4 51	23 1	1 2	16 22	6 19	23 44	0 21	22 40	0 28	19 13	1 47	2 1	0 43	12 16	1 49	6 10	13 22	4 39	4 58	26 34	10 34	0 27
F 22	20 22	21 21	4 20	22 50	1 10	16 20	6 25	23 46	0 22	22 41	0 27	19 13	1 47	2 0	0 43	12 16	1 49	6 10	13 22	4 35	4 57	26 32	10 34	0 27
S 23	20 10	15 46	3 31	22 36	1 17	16 18	6 29	23 48	0 22	22 42	0 27	19 13	1 47	1 59	0 43	12 17	1 49	6 10	13 22	4 32	4 55	26 31	10 34	0 27
S 24	19 57	9 24	2 29	22 19	1 24	16 17	6 33	23 50	0 23	22 43	0 27	19 13	1 46	1 58	0 43	12 17	1 49	6 10	13 23	4 30	4 54	26 30	10 34	0 27
M25	19 45	2 44	1 19	21 59	1 29	16 16	6 36	23 52	0 24	22 44	0 27	19 13	1 46	1 57	0 43	12 17	1 49	6 10	13 23	4 29	4 53	26 28	10 34	0 26
T 26	19 31	3n51	0 7	21 38	1 34	16 16	6 38	23 53	0 25	22 45	0 27	19 13	1 46	1 56	0 43	12 17	1 49	6 10	13 23	4 29	4 52	26 27	10 34	0 26
W27	19 18	10 3	1n 3	21 13	1 38	16 16	6 40	23 54	0 25	22 46	0 27	19 13	1 46	1 55	0 43	12 17	1 48	6 10	13 23	4 29	4 50	26 26	10 34	0 26
T 28	19 4	15 38	2 8	20 47	1 41	16 16	6 41	23 55	0 26	22 46	0 27	19 13	1 46	1 53	0 43	12 17	1 48	6 10	13 23	4 29	4 49	26 24	10 34	0 26
F 29	18 50	20 24	3 5	20 18	1 44	16 16	6 41	23 56	0 27	22 47	0 27	19 13	1 45	1 52	0 43	12 17	1 48	6 10	13 24	4 29	4 48	26 23	10 34	0 26
S 30	18 36	24 12	3 52	19 48	1 45	16 17	6 41	23 57	0 27	22 48	0 27	19 13	1 45	1 51	0 43	12 17	1 48	6 10	13 24	4 28	4 47	26 22	10 34	0 26
S 31	18n21	26n51	4n28	19n16	1n46	16n19	6s41	23n57	0n28	22n49	0s27	19s13	1n45	1n50	0n43	12s18	1n48	6n 9	13s24	4n26	4n45	26n20	10n34	0n26

Julian Day Number = 2317682.5, Delta T = 55.22 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'30, Lahiri = 18°44'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

AUGUST 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 39 12	8♌45'40	25♊ 7	12♌49	11°R42	2♋ 5	22♊26	3°R39	27♍ 5	7♏23	25♉35	11°R 2	11♈57	23♋58	26°R17	M 1
T 2	20 43 9	9°43'11	7♋ 0	14°49	11♋39	2°44	22°38	3♐39	27° 8	7°23	25°36	10♈53	11°54	24° 4	26♈17	T 2
W 3	20 47 5	10°40'43	18°52	16°47	11°D38	3°24	22°49	3°38	27°10	7°23	25°36	10°42	11°51	24°11	26°17	W 3
T 4	20 51 2	11°38'16	0♌44	18°45	11°39	4° 4	23° 1	3°38	27°13	7°24	25°37	10°30	11°48	24°18	26°16	T 4
F 5	20 54 58	12°35'50	12°38	20°40	11°43	4°43	23°12	3°37	27°16	7°24	25°37	10°20	11°45	24°25	26°16	F 5
S 6	20 58 55	13°33'26	24°35	22°35	11°48	5°23	23°23	3°37	27°19	7°25	25°38	10°10	11°41	24°31	26°16	S 6
S 7	21 2 51	14°31'02	6♍37	24°27	11°57	6° 2	23°34	3°37	27°22	7°26	25°38	10° 3	11°38	24°38	26°15	S 7
M 8	21 6 48	15°28'40	18°46	26°19	12° 7	6°41	23°45	3°D37	27°25	7°26	25°38	9°59	11°35	24°45	26°15	M 8
T 9	21 10 44	16°26'18	1♎ 4	28° 9	12°19	7°20	23°56	3°37	27°28	7°27	25°39	9°56	11°32	24°51	26°14	T 9
W10	21 14 41	17°23'58	13°33	29°57	12°33	8° 0	24° 7	3°37	27°31	7°28	25°39	9°D56	11°29	24°58	26°14	W10
T 11	21 18 38	18°21'39	26°17	1♍44	12°49	8°39	24°17	3°38	27°34	7°28	25°39	9°57	11°25	25° 5	26°13	T 11
F 12	21 22 34	19°19'21	9♏20	3°30	13° 8	9°18	24°28	3°38	27°38	7°29	25°40	9°58	11°22	25°12	26°12	F 12
S 13	21 26 31	20°17'04	22°44	5°14	13°27	9°57	24°38	3°39	27°41	7°30	25°40	9°R58	11°19	25°18	26°12	S 13
S 14	21 30 27	21°14'48	6♐33	6°56	13°49	10°36	24°49	3°39	27°44	7°31	25°40	9°57	11°16	25°25	26°11	S 14
M15	21 34 24	22°12'33	20°46	8°38	14°13	11°15	24°59	3°40	27°47	7°31	25°40	9°54	11°13	25°32	26°10	M15
T 16	21 38 20	23°10'20	5♑22	10°18	14°38	11°53	25° 9	3°41	27°50	7°32	25°41	9°49	11°10	25°38	26° 9	T 16
W17	21 42 17	24° 8'07	20°16	11°56	15° 5	12°32	25°19	3°41	27°54	7°33	25°41	9°43	11° 6	25°45	26° 8	W17
T 18	21 46 13	25° 5'56	5♒22	13°33	15°33	13°11	25°29	3°42	27°57	7°34	25°41	9°37	11° 3	25°52	26° 7	T 18
F 19	21 50 10	26° 3'46	20°30	15° 9	16° 3	13°49	25°39	3°44	28° 0	7°35	25°41	9°30	11° 0	25°59	26° 6	F 19
S 20	21 54 7	27° 1'38	5♓30	16°43	16°34	14°28	25°49	3°45	28° 4	7°36	25°41	9°25	10°57	26° 5	26° 5	S 20
S 21	21 58 3	27°59'31	20°12	18°16	17° 7	15° 7	25°58	3°46	28° 7	7°37	25°41	9°22	10°54	26°12	26° 4	S 21
M22	22 2 0	28°57'26	4♈32	19°48	17°41	15°45	26° 8	3°47	28°10	7°38	25°42	9°D21	10°50	26°19	26° 3	M22
T 23	22 5 56	29°55'22	18°24	21°18	18°16	16°23	26°17	3°49	28°14	7°39	25°42	9°21	10°47	26°26	26° 2	T 23
W24	22 9 53	0♍53'21	1♉49	22°47	18°53	17° 2	26°27	3°50	28°17	7°40	25°42	9°22	10°44	26°32	26° 0	W24
T 25	22 13 49	1°51'21	14°48	24°14	19°31	17°40	26°36	3°52	28°21	7°41	25°42	9°24	10°41	26°39	25°59	T 25
F 26	22 17 46	2°49'23	27°26	25°40	20°10	18°18	26°45	3°54	28°24	7°43	25°R42	9°R25	10°38	26°46	25°57	F 26
S 27	22 21 42	3°47'28	9♊45	27° 5	20°50	18°56	26°54	3°55	28°28	7°44	25°42	9°25	10°35	26°52	25°56	S 27
S 28	22 25 39	4°45'34	21°51	28°28	21°31	19°34	27° 3	3°57	28°31	7°45	25°42	9°23	10°31	26°59	25°54	S 28
M29	22 29 36	5°43'42	3♋48	29°50	22°13	20°12	27°11	3°59	28°35	7°46	25°42	9°20	10°28	27° 6	25°53	M29
T 30	22 33 32	6°41'52	15°41	1♎10	22°56	20°50	27°20	4° 1	28°38	7°48	25°41	9°16	10°25	27°13	25°51	T 30
W31	22 37 29	7♍40'04	27♋32	2♎29	23♋41	21♋28	27♊28	4♐ 4	28♍42	7♏49	25♉41	9♈11	10♈22	27♋19	25♈50	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n 6	28n16	4n52	18n42	1n46	16n20	6s40	23n57	0n29	22n49	0s27	19s13	1n45	1n49	0n43	12s18	1n48	6n 9	13s24	4n23	4n44	26n19	10n34	0n26
T 2	17 51	28 20	5 3	18 7	1 46	16 22	6 38	23 57	0 30	22 50	0 27	19 13	1 44	1 48	0 43	12 18	1 48	6 9	13 25	4 19	4 43	26 17	10 34	0 26
W 3	17 36	27 7	5 0	17 30	1 45	16 24	6 36	23 57	0 30	22 51	0 27	19 13	1 44	1 47	0 43	12 18	1 48	6 9	13 25	4 15	4 42	26 16	10 34	0 26
T 4	17 20	24 40	4 45	16 53	1 43	16 26	6 34	23 57	0 31	22 51	0 27	19 13	1 44	1 45	0 43	12 18	1 48	6 9	13 25	4 10	4 40	26 15	10 34	0 26
F 5	17 4	21 10	4 17	16 14	1 41	16 29	6 31	23 56	0 32	22 52	0 27	19 13	1 44	1 44	0 43	12 19	1 48	6 9	13 25	4 6	4 39	26 13	10 34	0 26
S 6	16 47	16 46	3 38	15 34	1 39	16 31	6 28	23 55	0 32	22 53	0 27	19 14	1 44	1 43	0 43	12 19	1 48	6 9	13 26	4 2	4 38	26 12	10 33	0 26
S 7	16 31	11 43	2 49	14 54	1 35	16 34	6 25	23 54	0 33	22 53	0 27	19 14	1 43	1 42	0 42	12 19	1 48	6 8	13 26	3 59	4 37	26 10	10 33	0 26
M 8	16 14	6 9	1 51	14 12	1 32	16 37	6 21	23 53	0 34	22 54	0 27	19 14	1 43	1 41	0 42	12 19	1 48	6 8	13 26	3 58	4 35	26 9	10 33	0 26
T 9	15 57	0 18	0 48	13 31	1 28	16 40	6 17	23 52	0 35	22 54	0 27	19 14	1 43	1 39	0 42	12 20	1 48	6 8	13 26	3 57	4 34	26 7	10 33	0 26
W10	15 39	5s39	0s19	12 48	1 23	16 43	6 12	23 50	0 35	22 55	0 27	19 14	1 43	1 38	0 42	12 20	1 48	6 8	13 27	3 57	4 33	26 6	10 33	0 26
T 11	15 21	11 31	1 27	12 6	1 18	16 46	6 8	23 48	0 36	22 55	0 27	19 15	1 42	1 37	0 42	12 20	1 48	6 8	13 27	3 57	4 32	26 5	10 32	0 25
F 12	15 3	17 2	2 31	11 23	1 13	16 49	6 3	23 46	0 37	22 56	0 27	19 15	1 42	1 36	0 42	12 21	1 48	6 8	13 27	3 57	4 30	26 3	10 32	0 25
S 13	14 45	21 52	3 30	10 39	1 7	16 52	5 58	23 44	0 37	22 56	0 26	19 15	1 42	1 34	0 42	12 21	1 47	6 7	13 27	3 57	4 29	26 2	10 32	0 25
S 14	14 27	25 40	4 17	9 56	1 1	16 55	5 53	23 42	0 38	22 57	0 26	19 16	1 42	1 33	0 42	12 21	1 47	6 7	13 28	3 57	4 28	26 0	10 31	0 25
M15	14 8	28 0	4 51	9 12	0 55	16 58	5 48	23 39	0 39	22 57	0 26	19 16	1 41	1 32	0 42	12 21	1 47	6 7	13 28	3 56	4 27	25 59	10 31	0 25
T 16	13 49	28 30	5 7	8 28	0 48	17 1	5 42	23 37	0 40	22 58	0 26	19 16	1 41	1 30	0 42	12 22	1 47	6 7	13 28	3 54	4 25	25 57	10 31	0 25
W17	13 30	26 57	5 3	7 44	0 41	17 4	5 36	23 34	0 40	22 58	0 26	19 17	1 41	1 29	0 42	12 22	1 47	6 7	13 28	3 52	4 24	25 56	10 30	0 25
T 18	13 11	23 27	4 38	7 1	0 34	17 6	5 31	23 31	0 41	22 58	0 26	19 17	1 41	1 28	0 42	12 23	1 47	6 6	13 29	3 49	4 23	25 54	10 30	0 25
F 19	12 51	18 22	3 53	6 17	0 27	17 9	5 25	23 28	0 42	22 59	0 26	19 18	1 41	1 26	0 42	12 23	1 47	6 6	13 29	3 46	4 22	25 53	10 29	0 25
S 20	12 32	12 12	2 53	5 33	0 20	17 11	5 19	23 24	0 42	22 59	0 26	19 18	1 40	1 25	0 42	12 23	1 47	6 6	13 29	3 44	4 20	25 51	10 29	0 25
S 21	12 12	5 27	1 42	4 50	0 12	17 13	5 12	23 21	0 43	23 0	0 26	19 19	1 40	1 24	0 42	12 24	1 47	6 6	13 29	3 43	4 19	25 50	10 28	0 25
M22	11 52	1n24	0 26	4 7	0 4	17 15	5 6	23 17	0 44	23 0	0 26	19 19	1 40	1 22	0 42	12 24	1 47	6 6	13 30	3 43	4 18	25 48	10 28	0 25
T 23	11 31	7 59	0n49	3 24	0s 4	17 17	5 0	23 13	0 45	23 0	0 26	19 20	1 40	1 21	0 42	12 24	1 47	6 5	13 30	3 43	4 17	25 46	10 27	0 25
W24	11 11	13 59	1 59	2 41	0 12	17 19	4 53	23 9	0 45	23 0	0 26	19 20	1 39	1 20	0 42	12 25	1 47	6 5	13 30	3 43	4 15	25 45	10 27	0 25
T 25	10 50	19 11	3 1	1 59	0 20	17 20	4 47	23 5	0 46	23 1	0 26	19 21	1 39	1 18	0 42	12 25	1 47	6 5	13 30	3 44	4 14	25 43	10 26	0 25
F 26	10 29	23 23	3 52	1 17	0 29	17 21	4 41	23 1	0 47	23 1	0 26	19 21	1 39	1 17	0 42	12 26	1 47	6 5	13 31	3 44	4 13	25 42	10 26	0 25
S 27	10 8	26 25	4 31	0 36	0 37	17 21	4 34	22 56	0 48	23 1	0 26	19 22	1 39	1 15	0 42	12 26	1 47	6 4	13 31	3 44	4 12	25 40	10 25	0 25
S 28	9 47	28 11	4 57	0s 5	0 46	17 22	4 27	22 51	0 48	23 1	0 26	19 22	1 39	1 14	0 42	12 27	1 47	6 4	13 31	3 44	4 10	25 39	10 25	0 24
M29	9 26	28 36	5 10	0 46	0 54	17 22	4 21	22 46	0 49	23 2	0 26	19 23	1 38	1 12	0 42	12 27	1 47	6 4	13 31	3 42	4 9	25 37	10 24	0 24
T 30	9 4	27 41	5 9	1 26	1 3	17 21	4 14	22 41	0 50	23 2	0 26	19 23	1 38	1 11	0 42	12 27	1 47	6 4	13 32	3 41	4 8	25 35	10 23	0 24
W31	8n43	25n32	4n56	2s 5	1s11	17n21	4s 7	22n36	0n50	23n 2	0s26	19s24	1n38	1n10	0n42	12s28	1n46	6n 3	13s32	3n39	4n 7	25n34	10n23	0n24

Julian Day Number = 2317713.5, Delta T = 55.15 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'34, Lahiri = 18°44'34Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1633
geocentric

SEPTEMBER 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 41 25	8♍38'18	9♌26	3♎46	24♋26	22♋ 6	27♊37	4♐ 6	28♍46	7♏50	25°R41	9°R 5	10♈19	27♋26	25°R48	T 1
F 2	22 45 22	9°36'34	21°24	5° 2	25°12	22°44	27°45	4° 8	28°49	7°52	25♉41	9♈ 0	10°16	27°33	25♈46	F 2
S 3	22 49 18	10°34'52	3♍29	6°16	25°59	23°21	27°53	4°11	28°53	7°53	25°41	8°55	10°12	27°39	25°44	S 3
S 4	22 53 15	11°33'11	15°42	7°28	26°47	23°59	28° 1	4°13	28°57	7°54	25°41	8°52	10° 9	27°46	25°43	S 4
M 5	22 57 11	12°31'33	28° 4	8°38	27°35	24°37	28° 9	4°16	29° 0	7°56	25°41	8°50	10° 6	27°53	25°41	M 5
T 6	23 1 8	13°29'56	10♎37	9°46	28°25	25°14	28°16	4°19	29° 4	7°57	25°40	8°D50	10° 3	28° 0	25°39	T 6
W 7	23 5 5	14°28'20	23°22	10°52	29°15	25°52	28°24	4°22	29° 8	7°59	25°40	8°51	10° 0	28° 6	25°37	W 7
T 8	23 9 1	15°26'47	6♏20	11°56	0♌ 5	26°29	28°31	4°24	29°11	8° 0	25°40	8°52	9°56	28°13	25°35	T 8
F 9	23 12 58	16°25'15	19°33	12°58	0°57	27° 6	28°38	4°27	29°15	8° 2	25°39	8°53	9°53	28°20	25°33	F 9
S 10	23 16 54	17°23'45	3♐ 3	13°57	1°49	27°43	28°46	4°31	29°19	8° 3	25°39	8°55	9°50	28°26	25°31	S 10
S 11	23 20 51	18°22'17	16°49	14°54	2°42	28°20	28°52	4°34	29°22	8° 5	25°39	8°R55	9°47	28°33	25°28	S 11
M12	23 24 47	19°20'50	0♑53	15°48	3°35	28°57	28°59	4°37	29°26	8° 7	25°38	8°55	9°44	28°40	25°26	M12
T 13	23 28 44	20°19'25	15°13	16°38	4°29	29°34	29° 6	4°40	29°30	8° 8	25°38	8°54	9°41	28°47	25°24	T 13
W14	23 32 40	21°18'01	29°47	17°26	5°24	0♒11	29°12	4°44	29°34	8°10	25°38	8°52	9°37	28°53	25°22	W14
T 15	23 36 37	22°16'39	14♓29	18° 9	6°19	0°48	29°19	4°47	29°37	8°12	25°37	8°50	9°34	29° 0	25°19	T 15
F 16	23 40 34	23°15'19	29°14	18°49	7°15	1°25	29°25	4°51	29°41	8°13	25°37	8°48	9°31	29° 7	25°17	F 16
S 17	23 44 30	24°14'01	13♈54	19°25	8°11	2° 2	29°31	4°55	29°45	8°15	25°36	8°46	9°28	29°13	25°15	S 17
S 18	23 48 27	25°12'44	28°22	19°57	9° 8	2°38	29°37	4°58	29°49	8°17	25°36	8°45	9°25	29°20	25°12	S 18
M19	23 52 23	26°11'30	12♈33	20°23	10° 5	3°15	29°42	5° 2	29°52	8°18	25°35	8°D45	9°22	29°27	25°10	M19
T 20	23 56 20	27°10'18	26°22	20°45	11° 3	3°51	29°48	5° 6	29°56	8°20	25°35	8°45	9°18	29°34	25° 7	T 20
W21	0 0 16	28° 9'07	9♉48	21° 0	12° 2	4°28	29°53	5°10	29°59	8°22	25°34	8°46	9°15	29°40	25° 5	W21
T 22	0 4 13	29° 8'00	22°51	21°10	13° 0	5° 4	29°58	5°14	0♎ 4	8°24	25°34	8°47	9°12	29°47	25° 2	T 22
F 23	0 8 9	0♎ 6'54	5♊32	21°R14	14° 0	5°40	0♋ 3	5°18	0° 8	8°26	25°33	8°48	9° 9	29°54	25° 0	F 23
S 24	0 12 6	1° 5'51	17°55	21°10	14°59	6°16	0° 8	5°23	0°11	8°28	25°33	8°49	9° 6	0♌ 0	24°57	S 24
S 25	0 16 3	2° 4'50	0♋ 3	21° 0	15°59	6°53	0°13	5°27	0°15	8°29	25°32	8°R49	9° 2	0° 7	24°55	S 25
M26	0 19 59	3° 3'51	12° 1	20°42	17° 0	7°29	0°17	5°31	0°19	8°31	25°32	8°49	8°59	0°14	24°52	M26
T 27	0 23 56	4° 2'55	23°54	20°16	18° 1	8° 5	0°22	5°36	0°23	8°33	25°31	8°48	8°56	0°21	24°49	T 27
W28	0 27 52	5° 2'01	5♌47	19°42	19° 2	8°40	0°26	5°40	0°26	8°35	25°30	8°48	8°53	0°27	24°47	W28
T 29	0 31 49	6° 1'09	17°42	19° 1	20° 4	9°16	0°30	5°45	0°30	8°37	25°30	8°48	8°50	0°34	24°44	T 29
F 30	0 35 45	7♎ 0'20	29♌45	18♎13	21♌ 6	9♌52	0♋33	5♐49	0♎34	8♏39	25♉29	8♈47	8♈47	0♌41	24♈41	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n21	22n15	4n29	2s44	1s20	17n20	4s 1	22n31	0n51	23n 2	0s26	19s25	1n38	1n 8	0n42	12s28	1n46	6n 3	13s32	3n36	4n 5	25n32	10n22	0n24
F 2	7 59	18 2	3 51	3 22	1 29	17 18	3 54	22 25	0 52	23 3	0 26	19 25	1 37	1 7	0 42	12 29	1 46	6 3	13 32	3 34	4 4	25 31	10 21	0 24
S 3	7 37	13 4	3 2	3 59	1 37	17 16	3 47	22 20	0 53	23 3	0 26	19 26	1 37	1 5	0 42	12 29	1 46	6 3	13 33	3 33	4 3	25 29	10 20	0 24
S 4	7 15	7 33	2 3	4 35	1 46	17 14	3 40	22 14	0 53	23 3	0 26	19 27	1 37	1 4	0 42	12 30	1 46	6 2	13 33	3 31	4 2	25 27	10 20	0 24
M 5	6 52	1 40	0 59	5 11	1 54	17 12	3 34	22 8	0 54	23 3	0 26	19 27	1 37	1 2	0 42	12 30	1 46	6 2	13 33	3 31	4 0	25 26	10 19	0 24
T 6	6 30	4s22	0s10	5 46	2 3	17 9	3 27	22 2	0 55	23 3	0 26	19 28	1 37	1 1	0 42	12 31	1 46	6 2	13 33	3 30	3 59	25 24	10 18	0 24
W 7	6 8	10 19	1 19	6 19	2 11	17 5	3 20	21 56	0 56	23 3	0 26	19 29	1 36	0 59	0 42	12 31	1 46	6 1	13 34	3 31	3 58	25 22	10 17	0 24
T 8	5 45	15 57	2 26	6 52	2 20	17 1	3 14	21 49	0 56	23 3	0 26	19 30	1 36	0 58	0 42	12 32	1 46	6 1	13 34	3 31	3 57	25 21	10 17	0 24
F 9	5 22	20 57	3 26	7 24	2 28	16 57	3 7	21 43	0 57	23 3	0 25	19 30	1 36	0 56	0 42	12 33	1 46	6 1	13 34	3 32	3 55	25 19	10 16	0 24
S 10	4 59	24 59	4 16	7 54	2 36	16 52	3 0	21 36	0 58	23 4	0 25	19 31	1 36	0 55	0 42	12 33	1 46	6 1	13 34	3 32	3 54	25 17	10 15	0 24
S 11	4 36	27 41	4 52	8 23	2 43	16 47	2 54	21 30	0 59	23 4	0 25	19 32	1 36	0 53	0 42	12 34	1 46	6 0	13 34	3 33	3 53	25 16	10 14	0 24
M12	4 14	28 41	5 12	8 51	2 51	16 41	2 47	21 23	0 59	23 4	0 25	19 33	1 35	0 52	0 42	12 34	1 46	6 0	13 35	3 32	3 52	25 14	10 13	0 23
T 13	3 50	27 48	5 13	9 18	2 58	16 35	2 40	21 16	1 0	23 4	0 25	19 33	1 35	0 50	0 42	12 35	1 46	6 0	13 35	3 32	3 50	25 12	10 12	0 23
W14	3 27	25 2	4 55	9 42	3 5	16 28	2 34	21 9	1 1	23 4	0 25	19 34	1 35	0 49	0 42	12 35	1 46	5 59	13 35	3 31	3 49	25 11	10 12	0 23
T 15	3 4	20 36	4 16	10 5	3 12	16 21	2 27	21 1	1 2	23 4	0 25	19 35	1 35	0 47	0 42	12 36	1 46	5 59	13 35	3 30	3 48	25 9	10 11	0 23
F 16	2 41	14 54	3 21	10 26	3 18	16 14	2 21	20 54	1 2	23 4	0 25	19 36	1 35	0 46	0 42	12 36	1 46	5 59	13 36	3 30	3 47	25 7	10 10	0 23
S 17	2 18	8 24	2 13	10 45	3 23	16 6	2 14	20 46	1 3	23 4	0 25	19 37	1 34	0 44	0 42	12 37	1 46	5 58	13 36	3 29	3 45	25 5	10 9	0 23
S 18	1 54	1 32	0 57	11 2	3 29	15 57	2 8	20 39	1 4	23 4	0 25	19 38	1 34	0 43	0 42	12 38	1 46	5 58	13 36	3 29	3 44	25 4	10 8	0 23
M19	1 31	5n17	0n21	11 16	3 33	15 48	2 1	20 31	1 5	23 4	0 25	19 39	1 34	0 41	0 42	12 38	1 46	5 58	13 36	3 29	3 43	25 2	10 7	0 23
T 20	1 8	11 41	1 36	11 28	3 37	15 39	1 55	20 23	1 5	23 4	0 25	19 39	1 34	0 40	0 42	12 39	1 46	5 57	13 36	3 29	3 42	25 0	10 6	0 23
W21	0 44	17 22	2 44	11 37	3 40	15 29	1 49	20 15	1 6	23 4	0 25	19 40	1 34	0 38	0 42	12 39	1 46	5 57	13 37	3 29	3 40	24 58	10 5	0 23
T 22	0 21	22 5	3 41	11 42	3 42	15 18	1 43	20 7	1 7	23 4	0 25	19 41	1 33	0 37	0 42	12 40	1 45	5 57	13 37	3 29	3 39	24 57	10 4	0 23
F 23	0s 3	25 37	4 25	11 45	3 43	15 7	1 36	19 59	1 8	23 4	0 25	19 42	1 33	0 35	0 42	12 41	1 45	5 56	13 37	3 30	3 38	24 55	10 3	0 23
S 24	0 26	27 51	4 56	11 44	3 44	14 56	1 30	19 51	1 8	23 4	0 25	19 43	1 33	0 34	0 42	12 41	1 45	5 56	13 37	3 30	3 37	24 53	10 2	0 23
S 25	0 50	28 42	5 13	11 38	3 42	14 44	1 24	19 43	1 9	23 4	0 25	19 44	1 33	0 32	0 42	12 42	1 45	5 56	13 38	3 30	3 35	24 51	10 1	0 23
M26	1 13	28 12	5 16	11 29	3 40	14 32	1 18	19 34	1 10	23 5	0 25	19 45	1 33	0 31	0 42	12 43	1 45	5 56	13 38	3 30	3 34	24 50	10 0	0 22
T 27	1 37	26 23	5 6	11 16	3 36	14 19	1 12	19 26	1 11	23 5	0 25	19 46	1 32	0 29	0 42	12 43	1 45	5 55	13 38	3 30	3 33	24 48	9 59	0 22
W28	2 0	23 26	4 42	10 58	3 30	14 6	1 6	19 17	1 12	23 5	0 25	19 47	1 32	0 28	0 42	12 44	1 45	5 55	13 38	3 30	3 32	24 46	9 58	0 22
T 29	2 24	19 28	4 7	10 35	3 22	13 52	1 1	19 8	1 12	23 5	0 25	19 48	1 32	0 26	0 42	12 45	1 45	5 55	13 38	3 30	3 30	24 44	9 57	0 22
F 30	2s47	14n42	3n20	10s 8	3s13	13n38	0s55	18n59	1n13	23n 5	0s25	19s49	1n32	0n25	0n42	12s45	1n45	5n54	13s38	3n29	3n29	24n42	9n56	0n22

Julian Day Number = 2317744.5, Delta T = 55.09 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'38, Lahiri = 18°44'39Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

OCTOBER 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 39 42	7♎59'32	11♍57	17°R17	22♌ 8	10♌27	0♋37	5♐54	0♎38	8♏41	25°R28	8°R47	8♈43	0♌47	24°R39	S 1
S 2	0 43 38	8°58'47	24°22	16♎16	23°11	11° 3	0°40	5°59	0°42	8°43	25♉28	8°D47	8°40	0°54	24♈36	S 2
M 3	0 47 35	9°58'04	7♎ 0	15° 9	24°14	11°38	0°44	6° 4	0°45	8°45	25°27	8°R47	8°37	1° 1	24°33	M 3
T 4	0 51 31	10°57'23	19°53	14° 0	25°17	12°14	0°47	6° 9	0°49	8°47	25°26	8♈47	8°34	1° 8	24°30	T 4
W 5	0 55 28	11°56'44	3♏ 1	12°48	26°21	12°49	0°50	6°14	0°53	8°49	25°25	8°47	8°31	1°14	24°27	W 5
T 6	0 59 25	12°56'07	16°22	11°37	27°25	13°24	0°52	6°19	0°57	8°51	25°24	8°47	8°27	1°21	24°24	T 6
F 7	1 3 21	13°55'32	29°57	10°28	28°29	13°59	0°55	6°24	1° 0	8°53	25°24	8°46	8°24	1°28	24°22	F 7
S 8	1 7 18	14°54'59	13♐43	9°23	29°34	14°34	0°57	6°29	1° 4	8°55	25°23	8°45	8°21	1°34	24°19	S 8
S 9	1 11 14	15°54'28	27°39	8°24	0♍39	15° 9	0°59	6°34	1° 8	8°57	25°22	8°45	8°18	1°41	24°16	S 9
M10	1 15 11	16°53'58	11♑44	7°33	1°44	15°44	1° 1	6°40	1°11	9° 0	25°21	8°D44	8°15	1°48	24°13	M10
T 11	1 19 7	17°53'30	25°55	6°52	2°49	16°19	1° 3	6°45	1°15	9° 2	25°20	8°44	8°12	1°55	24°10	T 11
W12	1 23 4	18°53'04	10♒11	6°20	3°55	16°53	1° 4	6°51	1°19	9° 4	25°19	8°45	8° 8	2° 1	24° 7	W12
T 13	1 27 1	19°52'40	24°28	5°59	5° 1	17°28	1° 5	6°56	1°22	9° 6	25°19	8°46	8° 5	2° 8	24° 4	T 13
F 14	1 30 57	20°52'17	8♓45	5°D50	6° 7	18° 2	1° 7	7° 2	1°26	9° 8	25°18	8°47	8° 2	2°15	24° 1	F 14
S 15	1 34 54	21°51'56	22°56	5°52	7°14	18°36	1° 7	7° 7	1°30	9°10	25°17	8°48	7°59	2°21	23°58	S 15
S 16	1 38 50	22°51'37	6♈59	6° 4	8°20	19°11	1° 8	7°13	1°33	9°12	25°16	8°R48	7°56	2°28	23°56	S 16
M17	1 42 47	23°51'20	20°50	6°27	9°27	19°45	1° 9	7°19	1°37	9°15	25°15	8°48	7°53	2°35	23°53	M17
T 18	1 46 43	24°51'05	4♉25	7° 0	10°34	20°19	1° 9	7°24	1°40	9°17	25°14	8°47	7°49	2°42	23°50	T 18
W19	1 50 40	25°50'52	17°43	7°42	11°41	20°53	1°R 9	7°30	1°44	9°19	25°13	8°45	7°46	2°48	23°47	W19
T 20	1 54 36	26°50'41	0♊42	8°32	12°49	21°27	1° 9	7°36	1°47	9°21	25°12	8°42	7°43	2°55	23°44	T 20
F 21	1 58 33	27°50'32	13°22	9°29	13°57	22° 0	1° 9	7°42	1°51	9°23	25°11	8°39	7°40	3° 2	23°41	F 21
S 22	2 2 29	28°50'26	25°46	10°32	15° 5	22°34	1° 8	7°48	1°54	9°26	25°10	8°36	7°37	3° 8	23°38	S 22
S 23	2 6 26	29°50'21	7♋55	11°42	16°13	23° 7	1° 8	7°54	1°58	9°28	25° 9	8°34	7°33	3°15	23°35	S 23
M24	2 10 23	0♏50'19	19°54	12°56	17°21	23°41	1° 7	8° 0	2° 1	9°30	25° 8	8°32	7°30	3°22	23°32	M24
T 25	2 14 19	1°50'19	1♌48	14°14	18°30	24°14	1° 6	8° 6	2° 5	9°32	25° 7	8°D32	7°27	3°28	23°29	T 25
W26	2 18 16	2°50'21	13°39	15°36	19°39	24°47	1° 4	8°12	2° 8	9°35	25° 6	8°32	7°24	3°35	23°26	W26
T 27	2 22 12	3°50'26	25°35	17° 1	20°48	25°20	1° 3	8°19	2°12	9°37	25° 5	8°34	7°21	3°42	23°24	T 27
F 28	2 26 9	4°50'32	7♍39	18°29	21°57	25°53	1° 1	8°25	2°15	9°39	25° 4	8°35	7°18	3°49	23°21	F 28
S 29	2 30 5	5°50'40	19°55	19°58	23° 6	26°26	0°59	8°31	2°18	9°41	25° 3	8°37	7°14	3°55	23°18	S 29
S 30	2 34 2	6°50'51	2♎28	21°29	24°15	26°59	0°57	8°37	2°21	9°44	25° 2	8°R38	7°11	4° 2	23°15	S 30
M31	2 37 58	7♏51'03	15♎19	23♎ 2	25♍25	27♌31	0♋55	8♐44	2♎25	9♏46	25♉ 1	8♈38	7♈ 8	4♌ 9	23♈12	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s11	9n18	2n23	9s36	3s 2	13n23	0s49	18n50	1n14	23n 5	0s25	19s50	1n32	0n23	0n42	12s46	1n45	5n54	13s39	3n29	3n28	24n41	9n54	0n22
S 2	3 34	3 27	1 19	9 0	2 49	13 8	0 44	18 41	1 15	23 5	0 25	19 51	1 31	0 22	0 42	12 47	1 45	5 54	13 39	3 29	3 27	24 39	9 53	0 22
M 3	3 57	2s38	0 10	8 21	2 34	12 52	0 38	18 32	1 16	23 5	0 25	19 52	1 31	0 20	0 42	12 47	1 45	5 53	13 39	3 29	3 25	24 37	9 52	0 22
T 4	4 21	8 44	1s 1	7 38	2 17	12 36	0 33	18 23	1 16	23 5	0 25	19 53	1 31	0 19	0 42	12 48	1 45	5 53	13 39	3 29	3 24	24 35	9 51	0 22
W 5	4 44	14 35	2 10	6 54	1 59	12 20	0 27	18 14	1 17	23 5	0 24	19 54	1 31	0 17	0 42	12 49	1 45	5 53	13 39	3 29	3 23	24 33	9 50	0 22
T 6	5 7	19 51	3 14	6 8	1 40	12 3	0 22	18 5	1 18	23 5	0 24	19 55	1 31	0 16	0 42	12 49	1 45	5 52	13 40	3 29	3 22	24 31	9 49	0 22
F 7	5 30	24 12	4 7	5 23	1 20	11 46	0 17	17 55	1 19	23 5	0 24	19 56	1 31	0 14	0 42	12 50	1 45	5 52	13 40	3 29	3 20	24 29	9 48	0 22
S 8	5 53	27 14	4 47	4 38	0 59	11 28	0 12	17 46	1 20	23 5	0 24	19 57	1 30	0 13	0 42	12 51	1 45	5 51	13 40	3 29	3 19	24 28	9 47	0 21
S 9	6 16	28 39	5 11	3 56	0 39	11 10	0 7	17 36	1 20	23 5	0 24	19 58	1 30	0 11	0 42	12 51	1 45	5 51	13 40	3 28	3 18	24 26	9 46	0 21
M10	6 39	28 13	5 16	3 17	0 19	10 51	0 2	17 27	1 21	23 5	0 24	19 59	1 30	0 10	0 42	12 52	1 45	5 51	13 40	3 28	3 17	24 24	9 44	0 21
T 11	7 2	25 58	5 3	2 43	0n 1	10 32	0n 3	17 17	1 22	23 5	0 24	20 0	1 30	0 8	0 42	12 53	1 45	5 50	13 40	3 28	3 15	24 22	9 43	0 21
W12	7 25	22 4	4 30	2 13	0 20	10 13	0 8	17 7	1 23	23 5	0 24	20 1	1 30	0 7	0 42	12 53	1 45	5 50	13 40	3 29	3 14	24 20	9 42	0 21
T 13	7 47	16 52	3 41	1 49	0 37	9 53	0 13	16 58	1 24	23 5	0 24	20 2	1 30	0 6	0 42	12 54	1 45	5 50	13 41	3 29	3 13	24 18	9 41	0 21
F 14	8 10	10 46	2 39	1 31	0 53	9 33	0 17	16 48	1 24	23 5	0 24	20 4	1 29	0 4	0 42	12 55	1 45	5 50	13 41	3 29	3 12	24 16	9 40	0 21
S 15	8 32	4 8	1 27	1 18	1 7	9 13	0 22	16 38	1 25	23 5	0 24	20 5	1 29	0 3	0 42	12 55	1 45	5 49	13 41	3 30	3 10	24 14	9 39	0 21
S 16	8 54	2n37	0 10	1 11	1 20	8 52	0 26	16 28	1 26	23 5	0 24	20 6	1 29	0 1	0 42	12 56	1 45	5 49	13 41	3 30	3 9	24 12	9 37	0 21
M17	9 17	9 10	1n 6	1 10	1 31	8 31	0 31	16 18	1 27	23 5	0 24	20 7	1 29	0s 0	0 42	12 57	1 45	5 49	13 41	3 30	3 8	24 10	9 36	0 21
T 18	9 39	15 10	2 17	1 14	1 41	8 9	0 35	16 8	1 28	23 5	0 24	20 8	1 29	0 2	0 42	12 58	1 45	5 48	13 41	3 29	3 7	24 9	9 35	0 21
W19	10 0	20 19	3 18	1 24	1 49	7 48	0 39	15 58	1 29	23 5	0 24	20 9	1 29	0 3	0 42	12 58	1 45	5 48	13 41	3 28	3 5	24 7	9 34	0 21
T 20	10 22	24 23	4 8	1 37	1 55	7 26	0 43	15 48	1 29	23 5	0 24	20 10	1 29	0 4	0 42	12 59	1 45	5 48	13 41	3 27	3 4	24 5	9 33	0 20
F 21	10 44	27 10	4 45	1 55	2 0	7 3	0 47	15 38	1 30	23 5	0 24	20 11	1 28	0 6	0 42	13 0	1 45	5 47	13 42	3 26	3 3	24 3	9 32	0 20
S 22	11 5	28 32	5 7	2 17	2 4	6 40	0 51	15 27	1 31	23 5	0 24	20 12	1 28	0 7	0 42	13 0	1 45	5 47	13 42	3 25	3 2	24 1	9 31	0 20
S 23	11 26	28 29	5 15	2 42	2 6	6 17	0 55	15 17	1 32	23 5	0 24	20 13	1 28	0 9	0 42	13 1	1 45	5 47	13 42	3 24	3 0	23 59	9 29	0 20
M24	11 47	27 6	5 8	3 9	2 8	5 54	0 58	15 7	1 33	23 6	0 24	20 14	1 28	0 10	0 42	13 2	1 45	5 46	13 42	3 24	2 59	23 57	9 28	0 20
T 25	12 8	24 30	4 49	3 39	2 8	5 30	1 2	14 57	1 34	23 6	0 23	20 16	1 28	0 11	0 42	13 3	1 45	5 46	13 42	3 23	2 58	23 55	9 27	0 20
W26	12 29	20 52	4 18	4 11	2 8	5 7	1 5	14 46	1 35	23 6	0 23	20 17	1 28	0 13	0 42	13 3	1 45	5 46	13 42	3 24	2 57	23 53	9 26	0 20
T 27	12 49	16 23	3 35	4 45	2 6	4 43	1 9	14 36	1 35	23 6	0 23	20 18	1 28	0 14	0 42	13 4	1 45	5 45	13 42	3 24	2 55	23 51	9 25	0 20
F 28	13 10	11 13	2 42	5 21	2 4	4 18	1 12	14 26	1 36	23 6	0 23	20 19	1 27	0 15	0 42	13 5	1 45	5 45	13 42	3 25	2 54	23 49	9 24	0 20
S 29	13 30	5 33	1 41	5 57	2 1	3 54	1 15	14 15	1 37	23 6	0 23	20 20	1 27	0 17	0 42	13 5	1 45	5 45	13 42	3 25	2 53	23 47	9 22	0 20
S 30	13 50	0s28	0 34	6 34	1 58	3 29	1 18	14 5	1 38	23 6	0 23	20 21	1 27	0 18	0 42	13 6	1 45	5 44	13 42	3 26	2 52	23 45	9 21	0 20
M31	14s 9	6s36	0s37	7s12	1n54	3n 4	1n21	13n55	1n39	23n 6	0s23	20s22	1n27	0s19	0n42	13s 7	1n45	5n44	13s42	3n26	2n50	23n43	9n20	0n19

Julian Day Number = 2317774.5, Delta T = 55.03 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'42, Lahiri = 18°44'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

NOVEMBER 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 55	8♏51'17	28♎31	24♎36	26♍35	28♌ 3	0°R52	8♐50	2♎28	9♏48	25°R 0	8°R37	7♈ 5	4♌15	23°R 9	T 1
W 2	2 45 52	9°51'34	12♏ 2	26°10	27°45	28°36	0♋50	8°57	2°31	9°50	24♉59	8♈34	7° 2	4°22	23♈ 7	W 2
T 3	2 49 48	10°51'52	25°52	27°46	28°55	29° 8	0°47	9° 3	2°34	9°53	24°58	8°29	6°59	4°29	23° 4	T 3
F 4	2 53 45	11°52'11	9♐55	29°22	0♎ 5	29°40	0°44	9°10	2°38	9°55	24°56	8°24	6°55	4°36	23° 1	F 4
S 5	2 57 41	12°52'33	24° 8	0♏58	1°15	0♍12	0°40	9°16	2°41	9°57	24°55	8°19	6°52	4°42	22°58	S 5
S 6	3 1 38	13°52'56	8♑25	2°34	2°26	0°43	0°37	9°23	2°44	9°59	24°54	8°14	6°49	4°49	22°56	S 6
M 7	3 5 34	14°53'20	22°44	4°10	3°36	1°15	0°33	9°30	2°47	10° 2	24°53	8°10	6°46	4°56	22°53	M 7
T 8	3 9 31	15°53'46	6♒58	5°47	4°47	1°47	0°29	9°36	2°50	10° 4	24°52	8° 8	6°43	5° 2	22°50	T 8
W 9	3 13 28	16°54'13	21° 8	7°24	5°58	2°18	0°25	9°43	2°53	10° 6	24°51	8°D 8	6°39	5° 9	22°48	W 9
T 10	3 17 24	17°54'41	5♓ 9	9° 0	7° 9	2°49	0°21	9°50	2°56	10° 8	24°50	8° 9	6°36	5°16	22°45	T 10
F 11	3 21 21	18°55'11	19° 3	10°36	8°20	3°20	0°17	9°56	2°59	10°10	24°49	8°10	6°33	5°23	22°43	F 11
S 12	3 25 17	19°55'42	2♈48	12°13	9°31	3°51	0°12	10° 3	3° 2	10°13	24°48	8°R11	6°30	5°29	22°40	S 12
S 13	3 29 14	20°56'14	16°23	13°49	10°43	4°21	0° 7	10°10	3° 4	10°15	24°46	8°11	6°27	5°36	22°38	S 13
M14	3 33 10	21°56'47	29°47	15°25	11°54	4°52	0° 3	10°17	3° 7	10°17	24°45	8° 9	6°24	5°43	22°35	M14
T 15	3 37 7	22°57'22	13♉ 0	17° 1	13° 6	5°22	29♊57	10°24	3°10	10°19	24°44	8° 5	6°20	5°49	22°33	T 15
W16	3 41 3	23°57'59	26° 1	18°36	14°17	5°53	29°52	10°30	3°13	10°22	24°43	7°58	6°17	5°56	22°30	W16
T 17	3 45 0	24°58'37	8♊48	20°12	15°29	6°23	29°47	10°37	3°16	10°24	24°42	7°50	6°14	6° 3	22°28	T 17
F 18	3 48 57	25°59'16	21°21	21°47	16°41	6°52	29°41	10°44	3°18	10°26	24°41	7°41	6°11	6° 9	22°26	F 18
S 19	3 52 53	26°59'57	3♋41	23°22	17°53	7°22	29°36	10°51	3°21	10°28	24°40	7°31	6° 8	6°16	22°23	S 19
S 20	3 56 50	28° 0'40	15°48	24°57	19° 5	7°52	29°30	10°58	3°23	10°30	24°39	7°23	6° 5	6°23	22°21	S 20
M21	4 0 46	29° 1'24	27°46	26°32	20°17	8°21	29°24	11° 5	3°26	10°32	24°37	7°16	6° 1	6°30	22°19	M21
T 22	4 4 43	0♐ 2'09	9♌38	28° 7	21°30	8°50	29°17	11°12	3°28	10°35	24°36	7°11	5°58	6°36	22°17	T 22
W23	4 8 39	1° 2'56	21°28	29°41	22°42	9°19	29°11	11°19	3°31	10°37	24°35	7° 9	5°55	6°43	22°15	W23
T 24	4 12 36	2° 3'45	3♍22	1♐16	23°55	9°48	29° 5	11°26	3°33	10°39	24°34	7°D 8	5°52	6°50	22°13	T 24
F 25	4 16 32	3° 4'35	15°23	2°50	25° 7	10°17	28°58	11°33	3°36	10°41	24°33	7° 9	5°49	6°56	22°10	F 25
S 26	4 20 29	4° 5'26	27°38	4°24	26°20	10°45	28°51	11°40	3°38	10°43	24°32	7°10	5°45	7° 3	22° 8	S 26
S 27	4 24 26	5° 6'19	10♎12	5°59	27°33	11°13	28°45	11°47	3°40	10°45	24°31	7°R10	5°42	7°10	22° 6	S 27
M28	4 28 22	6° 7'13	23° 8	7°33	28°45	11°41	28°38	11°54	3°43	10°47	24°30	7° 9	5°39	7°16	22° 5	M28
T 29	4 32 19	7° 8'08	6♏29	9° 7	29°58	12° 9	28°30	12° 1	3°45	10°49	24°28	7° 5	5°36	7°23	22° 3	T 29
W30	4 36 15	8♐ 9'05	20♏17	10♐41	1♏11	12♍37	28♊23	12♐ 8	3♎47	10♏51	24♉27	6♈59	5♈33	7♌30	22♈ 1	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s29	12s38	1s47	7s51	1n50	2n39	1n24	13n44	1n40	23n 6	0s23	20s23	1n27	0s20	0n42	13s 8	1n45	5n44	13s42	3n25	2n49	23n41	9n19	0n19
W 2	14 48	18 13	2 52	8 30	1 45	2 13	1 27	13 34	1 41	23 6	0 23	20 24	1 27	0 22	0 42	13 8	1 45	5 44	13 42	3 24	2 48	23 39	9 18	0 19
T 3	15 7	22 58	3 49	9 9	1 40	1 48	1 29	13 23	1 42	23 6	0 23	20 26	1 27	0 23	0 42	13 9	1 45	5 43	13 43	3 22	2 46	23 37	9 17	0 19
F 4	15 26	26 29	4 34	9 48	1 35	1 22	1 32	13 13	1 43	23 6	0 23	20 27	1 27	0 24	0 42	13 10	1 45	5 43	13 43	3 20	2 45	23 35	9 16	0 19
S 5	15 44	28 23	5 1	10 27	1 29	0 56	1 34	13 2	1 44	23 7	0 23	20 28	1 26	0 25	0 42	13 10	1 45	5 43	13 43	3 18	2 44	23 33	9 15	0 19
S 6	16 2	28 23	5 11	11 5	1 23	0 31	1 37	12 52	1 44	23 7	0 23	20 29	1 26	0 27	0 42	13 11	1 45	5 42	13 43	3 16	2 43	23 31	9 14	0 19
M 7	16 20	26 31	5 1	11 44	1 17	0 4	1 39	12 42	1 45	23 7	0 23	20 30	1 26	0 28	0 42	13 12	1 45	5 42	13 43	3 15	2 41	23 28	9 12	0 19
T 8	16 38	22 57	4 32	12 22	1 11	0s22	1 41	12 31	1 46	23 7	0 23	20 31	1 26	0 29	0 42	13 12	1 45	5 42	13 43	3 14	2 40	23 26	9 11	0 19
W 9	16 55	18 5	3 48	13 0	1 4	0 48	1 43	12 21	1 47	23 7	0 22	20 32	1 26	0 30	0 42	13 13	1 45	5 42	13 43	3 14	2 39	23 24	9 10	0 19
T 10	17 12	12 16	2 50	13 37	0 58	1 14	1 45	12 10	1 48	23 7	0 22	20 33	1 26	0 31	0 42	13 14	1 45	5 41	13 43	3 14	2 38	23 22	9 9	0 19
F 11	17 29	5 54	1 42	14 14	0 51	1 41	1 47	12 0	1 49	23 7	0 22	20 34	1 26	0 32	0 42	13 15	1 45	5 41	13 43	3 15	2 36	23 20	9 8	0 18
S 12	17 46	0n40	0 29	14 50	0 44	2 7	1 48	11 50	1 50	23 7	0 22	20 35	1 26	0 34	0 42	13 15	1 45	5 41	13 43	3 15	2 35	23 18	9 7	0 18
S 13	18 2	7 8	0n44	15 25	0 37	2 34	1 50	11 39	1 51	23 7	0 22	20 36	1 26	0 35	0 42	13 16	1 45	5 41	13 43	3 15	2 34	23 16	9 6	0 18
M14	18 18	13 12	1 54	16 0	0 31	3 0	1 51	11 29	1 52	23 7	0 22	20 38	1 26	0 36	0 42	13 17	1 45	5 40	13 43	3 14	2 33	23 14	9 5	0 18
T 15	18 33	18 35	2 57	16 34	0 24	3 27	1 53	11 19	1 53	23 7	0 22	20 39	1 25	0 37	0 42	13 17	1 45	5 40	13 43	3 13	2 31	23 12	9 4	0 18
W16	18 48	23 0	3 49	17 8	0 17	3 54	1 54	11 8	1 54	23 8	0 22	20 40	1 25	0 38	0 42	13 18	1 45	5 40	13 43	3 10	2 30	23 10	9 3	0 18
T 17	19 3	26 14	4 28	17 40	0 10	4 20	1 55	10 58	1 55	23 8	0 22	20 41	1 25	0 39	0 42	13 19	1 45	5 40	13 43	3 7	2 29	23 7	9 2	0 18
F 18	19 18	28 6	4 54	18 12	0 3	4 47	1 56	10 48	1 56	23 8	0 22	20 42	1 25	0 40	0 42	13 19	1 45	5 40	13 43	3 3	2 28	23 5	9 1	0 18
S 19	19 32	28 32	5 6	18 43	0s 3	5 13	1 57	10 38	1 57	23 8	0 22	20 43	1 25	0 41	0 43	13 20	1 45	5 39	13 42	3 0	2 26	23 3	9 0	0 18
S 20	19 45	27 34	5 3	19 13	0 10	5 40	1 58	10 28	1 58	23 8	0 21	20 44	1 25	0 42	0 43	13 21	1 45	5 39	13 42	2 56	2 25	23 1	8 59	0 18
M21	19 59	25 20	4 47	19 42	0 17	6 7	1 59	10 18	1 59	23 8	0 21	20 45	1 25	0 43	0 43	13 21	1 45	5 39	13 42	2 53	2 24	22 59	8 59	0 18
T 22	20 12	22 2	4 19	20 10	0 23	6 33	2 0	10 8	2 0	23 8	0 21	20 46	1 25	0 44	0 43	13 22	1 45	5 39	13 42	2 52	2 23	22 57	8 58	0 17
W23	20 25	17 50	3 40	20 37	0 30	6 59	2 0	9 58	2 1	23 8	0 21	20 47	1 25	0 45	0 43	13 23	1 45	5 38	13 42	2 51	2 21	22 55	8 57	0 17
T 24	20 37	12 57	2 51	21 3	0 36	7 26	2 1	9 48	2 2	23 8	0 21	20 48	1 25	0 46	0 43	13 23	1 45	5 38	13 42	2 50	2 20	22 52	8 56	0 17
F 25	20 49	7 32	1 54	21 28	0 43	7 52	2 1	9 38	2 3	23 8	0 21	20 49	1 25	0 47	0 43	13 24	1 45	5 38	13 42	2 51	2 19	22 50	8 55	0 17
S 26	21 1	1 43	0 51	21 52	0 49	8 18	2 1	9 28	2 4	23 8	0 21	20 50	1 25	0 48	0 43	13 24	1 45	5 38	13 42	2 51	2 18	22 48	8 54	0 17
S 27	21 12	4s18	0s16	22 15	0 55	8 44	2 1	9 18	2 5	23 8	0 21	20 51	1 24	0 49	0 43	13 25	1 45	5 38	13 42	2 51	2 16	22 46	8 53	0 17
M28	21 22	10 19	1 24	22 37	1 1	9 10	2 2	9 8	2 6	23 8	0 21	20 52	1 24	0 49	0 43	13 26	1 45	5 38	13 42	2 51	2 15	22 44	8 53	0 17
T 29	21 33	16 4	2 30	22 57	1 6	9 35	2 2	8 59	2 7	23 8	0 21	20 53	1 24	0 50	0 43	13 26	1 45	5 37	13 42	2 49	2 14	22 41	8 52	0 17
W30	21s43	21s12	3s29	23s17	1s12	10s 1	2n 1	8n49	2n 8	23n 8	0s20	20s54	1n24	0s51	0n43	13s27	1n45	5n37	13s42	2n47	2n12	22n39	8n51	0n17

Julian Day Number = 2317805.5, Delta T = 54.96 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'47, Lahiri = 18°44'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1633
geocentric

DECEMBER 1633 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 40 12	9♐10'03	4♐28	12♐15	2♏24	13♍ 4	28°R16	12♐15	3♎49	10♏54	24°R26	6°R50	5♈30	7♌37	21°R59	T 1
F 2	4 44 8	10°11'02	18°58	13°50	3°37	13°31	28♊ 9	12°22	3°51	10°56	24♉25	6♈40	5°26	7°43	21♈57	F 2
S 3	4 48 5	11°12'02	3♑41	15°24	4°50	13°58	28° 1	12°30	3°53	10°58	24°24	6°30	5°23	7°50	21°56	S 3
S 4	4 52 1	12°13'03	18°27	16°58	6° 4	14°25	27°54	12°37	3°55	11° 0	24°23	6°20	5°20	7°57	21°54	S 4
M 5	4 55 58	13°14'05	3♒ 9	18°32	7°17	14°51	27°46	12°44	3°57	11° 2	24°22	6°12	5°17	8° 3	21°53	M 5
T 6	4 59 55	14°15'07	17°41	20° 7	8°30	15°17	27°38	12°51	3°59	11° 4	24°21	6° 7	5°14	8°10	21°51	T 6
W 7	5 3 51	15°16'09	1♓57	21°41	9°44	15°43	27°30	12°58	4° 1	11° 5	24°20	6° 4	5°11	8°17	21°50	W 7
T 8	5 7 48	16°17'12	15°58	23°15	10°57	16° 9	27°23	13° 5	4° 2	11° 7	24°19	6°D 3	5° 7	8°24	21°48	T 8
F 9	5 11 44	17°18'15	29°41	24°50	12°11	16°34	27°15	13°12	4° 4	11° 9	24°18	6°R 4	5° 4	8°30	21°47	F 9
S 10	5 15 41	18°19'19	13♈ 9	26°25	13°24	16°59	27° 7	13°19	4° 6	11°11	24°17	6° 4	5° 1	8°37	21°45	S 10
S 11	5 19 37	19°20'23	26°24	27°59	14°38	17°24	26°59	13°26	4° 7	11°13	24°16	6° 2	4°58	8°44	21°44	S 11
M12	5 23 34	20°21'28	9♉25	29°34	15°51	17°49	26°51	13°33	4° 9	11°15	24°15	5°58	4°55	8°50	21°43	M12
T 13	5 27 30	21°22'33	22°16	1♑ 9	17° 5	18°13	26°43	13°40	4°10	11°17	24°14	5°50	4°51	8°57	21°42	T 13
W14	5 31 27	22°23'38	4♊57	2°44	18°19	18°37	26°34	13°47	4°12	11°19	24°13	5°40	4°48	9° 4	21°41	W14
T 15	5 35 24	23°24'44	17°27	4°18	19°32	19° 1	26°26	13°54	4°13	11°20	24°12	5°28	4°45	9°10	21°40	T 15
F 16	5 39 20	24°25'51	29°48	5°53	20°46	19°24	26°18	14° 1	4°15	11°22	24°11	5°13	4°42	9°17	21°39	F 16
S 17	5 43 17	25°26'58	11♋59	7°28	22° 0	19°47	26°10	14° 8	4°16	11°24	24°10	4°59	4°39	9°24	21°38	S 17
S 18	5 47 13	26°28'05	24° 1	9° 3	23°14	20°10	26° 2	14°15	4°17	11°26	24° 9	4°45	4°36	9°31	21°37	S 18
M19	5 51 10	27°29'13	5♌56	10°37	24°28	20°33	25°54	14°22	4°18	11°27	24° 8	4°34	4°32	9°37	21°36	M19
T 20	5 55 6	28°30'22	17°46	12°11	25°42	20°55	25°46	14°29	4°19	11°29	24° 7	4°25	4°29	9°44	21°35	T 20
W21	5 59 3	29°31'30	29°35	13°45	26°56	21°17	25°37	14°36	4°20	11°31	24° 6	4°19	4°26	9°51	21°35	W21
T 22	6 3 0	0♑32'40	11♍26	15°18	28°10	21°38	25°29	14°43	4°21	11°32	24° 5	4°16	4°23	9°57	21°34	T 22
F 23	6 6 56	1°33'49	23°24	16°51	29°24	21°59	25°21	14°50	4°22	11°34	24° 4	4°15	4°20	10° 4	21°34	F 23
S 24	6 10 53	2°35'00	5♎35	18°23	0♐38	22°20	25°13	14°57	4°23	11°36	24° 4	4°15	4°17	10°11	21°33	S 24
S 25	6 14 49	3°36'10	18° 4	19°54	1°52	22°41	25° 5	15° 3	4°24	11°37	24° 3	4°15	4°13	10°17	21°33	S 25
M26	6 18 46	4°37'21	0♏57	21°23	3° 7	23° 1	24°57	15°10	4°25	11°39	24° 2	4°13	4°10	10°24	21°32	M26
T 27	6 22 42	5°38'33	14°16	22°51	4°21	23°20	24°49	15°17	4°26	11°40	24° 1	4° 9	4° 7	10°31	21°32	T 27
W28	6 26 39	6°39'45	28° 6	24°18	5°35	23°40	24°42	15°24	4°26	11°42	24° 0	4° 2	4° 4	10°37	21°32	W28
T 29	6 30 35	7°40'57	12♐25	25°42	6°49	23°59	24°34	15°31	4°27	11°43	24° 0	3°52	4° 1	10°44	21°31	T 29
F 30	6 34 32	8°42'09	27° 9	27° 4	8° 4	24°17	24°26	15°37	4°28	11°45	23°59	3°41	3°57	10°51	21°31	F 30
S 31	6 38 29	9♑43'21	12♑10	28♑22	9♐18	24♍35	24♊18	15♐44	4♎28	11♏46	23♉58	3♈29	3♈54	10♌58	21♈31	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s52	25 s16	4 s16	23 s35	1 s17	10 s26	2n 1	8n40	2n10	23n 8	0 s20	20 s55	1n24	0 s52	0n43	13 s28	1n45	5n37	13 s42	2n43	2n11	22n37	8n50	0n17
F 2	22 1	27 49	4 49	23 53	1 23	10 51	2 1	8 30	2 11	23 8	0 20	20 56	1 24	0 53	0 43	13 28	1 45	5 37	13 42	2 39	2 10	22 35	8 50	0 16
S 3	22 10	28 28	5 2	24 9	1 28	11 16	2 1	8 21	2 12	23 8	0 20	20 57	1 24	0 53	0 43	13 29	1 45	5 37	13 41	2 35	2 9	22 33	8 49	0 16
S 4	22 18	27 6	4 56	24 23	1 33	11 41	2 0	8 11	2 13	23 8	0 20	20 58	1 24	0 54	0 43	13 29	1 45	5 37	13 41	2 31	2 7	22 30	8 48	0 16
M 5	22 26	23 52	4 30	24 37	1 37	12 5	2 0	8 2	2 14	23 8	0 20	20 59	1 24	0 55	0 43	13 30	1 45	5 37	13 41	2 28	2 6	22 28	8 47	0 16
T 6	22 33	19 10	3 47	24 49	1 42	12 29	1 59	7 53	2 15	23 8	0 20	21 0	1 24	0 56	0 43	13 31	1 45	5 36	13 41	2 26	2 5	22 26	8 47	0 16
W 7	22 40	13 27	2 51	24 59	1 46	12 53	1 58	7 44	2 16	23 8	0 20	21 1	1 24	0 56	0 43	13 31	1 45	5 36	13 41	2 25	2 4	22 24	8 46	0 16
T 8	22 47	7 9	1 45	25 9	1 50	13 17	1 57	7 35	2 17	23 8	0 19	21 2	1 24	0 57	0 43	13 32	1 45	5 36	13 41	2 25	2 2	22 21	8 46	0 16
F 9	22 53	0 38	0 34	25 17	1 54	13 40	1 56	7 26	2 19	23 8	0 19	21 3	1 24	0 58	0 43	13 32	1 45	5 36	13 41	2 25	2 1	22 19	8 45	0 16
S 10	22 58	5n47	0n38	25 23	1 57	14 3	1 56	7 18	2 20	23 8	0 19	21 4	1 24	0 58	0 43	13 33	1 45	5 36	13 40	2 25	2 0	22 17	8 44	0 16
S 11	23 4	11 51	1 46	25 29	2 0	14 26	1 54	7 9	2 21	23 8	0 19	21 5	1 24	0 59	0 43	13 33	1 45	5 36	13 40	2 24	1 59	22 15	8 44	0 16
M12	23 8	17 18	2 47	25 32	2 3	14 49	1 53	7 0	2 22	23 8	0 19	21 5	1 24	0 59	0 43	13 34	1 45	5 36	13 40	2 22	1 57	22 12	8 43	0 16
T 13	23 12	21 53	3 38	25 35	2 5	15 11	1 52	6 52	2 23	23 8	0 19	21 6	1 24	1 0	0 43	13 34	1 46	5 36	13 40	2 19	1 56	22 10	8 43	0 15
W14	23 16	25 24	4 18	25 35	2 8	15 32	1 51	6 44	2 24	23 8	0 19	21 7	1 24	1 1	0 43	13 35	1 46	5 36	13 40	2 15	1 55	22 8	8 42	0 15
T 15	23 19	27 38	4 45	25 34	2 9	15 54	1 50	6 35	2 26	23 8	0 18	21 8	1 24	1 1	0 43	13 35	1 46	5 36	13 40	2 10	1 54	22 5	8 42	0 15
F 16	23 22	28 28	4 58	25 32	2 11	16 15	1 48	6 27	2 27	23 8	0 18	21 9	1 23	1 2	0 43	13 36	1 46	5 36	13 39	2 5	1 52	22 3	8 41	0 15
S 17	23 25	27 53	4 57	25 28	2 12	16 35	1 47	6 19	2 28	23 8	0 18	21 10	1 23	1 2	0 43	13 36	1 46	5 36	13 39	1 59	1 51	22 1	8 41	0 15
S 18	23 27	26 0	4 43	25 23	2 12	16 56	1 45	6 11	2 29	23 8	0 18	21 11	1 23	1 2	0 43	13 37	1 46	5 36	13 39	1 54	1 50	21 59	8 40	0 15
M19	23 28	22 58	4 17	25 16	2 12	17 15	1 43	6 4	2 31	23 8	0 18	21 11	1 23	1 3	0 44	13 37	1 46	5 36	13 39	1 49	1 48	21 56	8 40	0 15
T 20	23 29	19 1	3 39	25 7	2 12	17 35	1 42	5 56	2 32	23 8	0 18	21 12	1 23	1 3	0 44	13 38	1 46	5 36	13 39	1 46	1 47	21 54	8 40	0 15
W21	23 29	14 20	2 52	24 57	2 11	17 54	1 40	5 49	2 33	23 7	0 18	21 13	1 23	1 4	0 44	13 38	1 46	5 36	13 39	1 43	1 46	21 52	8 39	0 15
T 22	23 29	9 6	1 58	24 45	2 9	18 12	1 38	5 41	2 34	23 7	0 17	21 14	1 23	1 4	0 44	13 39	1 46	5 36	13 38	1 42	1 45	21 49	8 39	0 15
F 23	23 29	3 30	0 57	24 32	2 7	18 30	1 36	5 34	2 36	23 7	0 17	21 15	1 23	1 4	0 44	13 39	1 46	5 36	13 38	1 42	1 43	21 47	8 39	0 14
S 24	23 28	2 s20	0 s 7	24 17	2 5	18 47	1 34	5 27	2 37	23 7	0 17	21 15	1 23	1 5	0 44	13 40	1 46	5 36	13 38	1 42	1 42	21 45	8 38	0 14
S 25	23 26	8 13	1 12	24 1	2 1	19 4	1 32	5 20	2 38	23 7	0 17	21 16	1 23	1 5	0 44	13 40	1 46	5 36	13 38	1 41	1 41	21 42	8 38	0 14
M26	23 25	13 57	2 16	23 43	1 57	19 21	1 30	5 13	2 40	23 7	0 17	21 17	1 23	1 5	0 44	13 41	1 46	5 36	13 37	1 41	1 40	21 40	8 38	0 14
T 27	23 22	19 15	3 14	23 24	1 52	19 37	1 28	5 7	2 41	23 7	0 17	21 18	1 23	1 6	0 44	13 41	1 46	5 36	13 37	1 39	1 38	21 37	8 38	0 14
W28	23 19	23 44	4 4	23 3	1 47	19 52	1 26	5 0	2 42	23 6	0 17	21 19	1 23	1 6	0 44	13 41	1 46	5 36	13 37	1 36	1 37	21 35	8 38	0 14
T 29	23 16	26 57	4 40	22 41	1 40	20 7	1 24	4 54	2 44	23 6	0 16	21 19	1 23	1 6	0 44	13 42	1 46	5 36	13 37	1 33	1 36	21 33	8 37	0 14
F 30	23 12	28 26	4 58	22 19	1 33	20 21	1 22	4 48	2 45	23 6	0 16	21 20	1 23	1 6	0 44	13 42	1 46	5 36	13 37	1 28	1 35	21 30	8 37	0 14
S 31	23 s 8	27 s51	4 s57	21 s55	1 s25	20 s35	1n19	4n42	2n46	23n 6	0 s16	21 s21	1n23	1 s 6	0n44	13 s43	1n46	5n36	13 s36	1n23	1n33	21n28	8n37	0n14

Julian Day Number = 2317835.5, Delta T = 54.90 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'51, Lahiri = 18°44'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

JANUARY 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 42 25	10♑44'33	27♑20	29♑37	10♐32	24♍53	24°R11	15♐51	4♎29	11♏47	23°R57	3°R17	3♈51	11♌ 4	21°D31	S 1
M 2	6 46 22	11°45'45	12♒27	0♒48	11°47	25°10	24♊ 3	15°57	4°29	11°49	23♉57	3♈ 8	3°48	11°11	21♈31	M 2
T 3	6 50 18	12°46'56	27°21	1°54	13° 1	25°27	23°56	16° 4	4°29	11°50	23°56	3° 1	3°45	11°18	21°31	T 3
W 4	6 54 15	13°48'07	11♓57	2°54	14°16	25°43	23°49	16°10	4°30	11°51	23°55	2°58	3°42	11°24	21°31	W 4
T 5	6 58 11	14°49'17	26° 9	3°48	15°30	25°59	23°42	16°17	4°30	11°53	23°54	2°56	3°38	11°31	21°32	T 5
F 6	7 2 8	15°50'27	9♈57	4°34	16°44	26°14	23°35	16°23	4°30	11°54	23°54	2°56	3°35	11°38	21°32	F 6
S 7	7 6 4	16°51'36	23°23	5°12	17°59	26°29	23°28	16°30	4°30	11°55	23°53	2°56	3°32	11°44	21°32	S 7
S 8	7 10 1	17°52'44	6♉29	5°40	19°13	26°44	23°21	16°36	4°R30	11°56	23°53	2°55	3°29	11°51	21°33	S 8
M 9	7 13 58	18°53'52	19°18	5°59	20°28	26°58	23°14	16°43	4°30	11°57	23°52	2°51	3°26	11°58	21°33	M 9
T 10	7 17 54	19°54'58	1♊54	6°R 7	21°42	27°11	23° 8	16°49	4°30	11°58	23°51	2°44	3°23	12° 5	21°34	T 10
W11	7 21 51	20°56'05	14°18	6° 4	22°57	27°24	23° 1	16°55	4°30	12° 0	23°51	2°35	3°19	12°11	21°34	W11
T 12	7 25 47	21°57'10	26°34	5°49	24°11	27°36	22°55	17° 2	4°30	12° 1	23°50	2°23	3°16	12°18	21°35	T 12
F 13	7 29 44	22°58'15	8♋42	5°22	25°26	27°48	22°49	17° 8	4°30	12° 2	23°50	2°10	3°13	12°25	21°35	F 13
S 14	7 33 40	23°59'19	20°43	4°44	26°40	27°59	22°43	17°14	4°29	12° 3	23°49	1°56	3°10	12°31	21°36	S 14
S 15	7 37 37	25° 0'23	2♌39	3°55	27°55	28°10	22°37	17°20	4°29	12° 4	23°49	1°44	3° 7	12°38	21°37	S 15
M16	7 41 33	26° 1'26	14°30	2°57	29°10	28°20	22°31	17°26	4°29	12° 4	23°48	1°33	3° 3	12°45	21°38	M16
T 17	7 45 30	27° 2'28	26°20	1°51	0♑24	28°30	22°26	17°32	4°28	12° 5	23°48	1°24	3° 0	12°51	21°39	T 17
W18	7 49 27	28° 3'29	8♍ 9	0°39	1°39	28°39	22°20	17°38	4°28	12° 6	23°48	1°19	2°57	12°58	21°40	W18
T 19	7 53 23	29° 4'30	20° 1	29♑24	2°53	28°47	22°15	17°44	4°27	12° 7	23°47	1°16	2°54	13° 5	21°41	T 19
F 20	7 57 20	0♒ 5'30	2♎ 0	28° 8	4° 8	28°55	22°10	17°50	4°26	12° 8	23°47	1°D15	2°51	13°11	21°42	F 20
S 21	8 1 16	1° 6'30	14° 9	26°52	5°23	29° 2	22° 5	17°56	4°26	12° 9	23°46	1°16	2°48	13°18	21°43	S 21
S 22	8 5 13	2° 7'29	26°35	25°40	6°37	29° 8	22° 1	18° 1	4°25	12° 9	23°46	1°R16	2°44	13°25	21°44	S 22
M23	8 9 9	3° 8'27	9♏22	24°32	7°52	29°14	21°56	18° 7	4°24	12°10	23°46	1°16	2°41	13°32	21°45	M23
T 24	8 13 6	4° 9'25	22°34	23°31	9° 7	29°19	21°52	18°13	4°23	12°11	23°45	1°15	2°38	13°38	21°47	T 24
W25	8 17 2	5°10'22	6♐16	22°38	10°21	29°24	21°48	18°18	4°23	12°11	23°45	1°11	2°35	13°45	21°48	W25
T 26	8 20 59	6°11'18	20°27	21°52	11°36	29°28	21°44	18°24	4°22	12°12	23°45	1° 5	2°32	13°52	21°50	T 26
F 27	8 24 56	7°12'14	5♑ 6	21°15	12°51	29°31	21°40	18°29	4°21	12°13	23°45	0°57	2°29	13°58	21°51	F 27
S 28	8 28 52	8°13'08	20° 8	20°47	14° 5	29°33	21°36	18°35	4°20	12°13	23°44	0°48	2°25	14° 5	21°53	S 28
S 29	8 32 49	9°14'02	5♒24	20°27	15°20	29°35	21°33	18°40	4°19	12°14	23°44	0°40	2°22	14°12	21°54	S 29
M30	8 36 45	10°14'54	20°43	20°16	16°35	29°35	21°30	18°45	4°17	12°14	23°44	0°33	2°19	14°18	21°56	M30
T 31	8 40 42	11♒15'45	5♓53	20°D12	17♑49	29°R36	21♊27	18♐50	4♎16	12♏14	23♉44	0♈28	2♈16	14♌25	21♈58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 3	25s13	4s34	21s30	1s15	20s48	1n17	4n36	2n48	23n 6	0s16	21s21	1n23	1s 7	0n44	13s43	1n46	5n36	13s36	1n19	1n32	21n26	8n37	0n14
M 2	22 58	20 50	3 53	21 5	1 5	21 1	1 15	4 31	2 49	23 6	0 16	21 22	1 23	1 7	0 44	13 43	1 46	5 36	13 36	1 15	1 31	21 23	8 37	0 14
T 3	22 52	15 10	2 56	20 39	0 54	21 13	1 12	4 25	2 51	23 5	0 16	21 23	1 23	1 7	0 44	13 44	1 46	5 36	13 36	1 12	1 30	21 21	8 37	0 13
W 4	22 46	8 46	1 49	20 14	0 42	21 24	1 10	4 20	2 52	23 5	0 15	21 23	1 23	1 7	0 44	13 44	1 47	5 36	13 35	1 11	1 28	21 18	8 37	0 13
T 5	22 40	2 5	0 36	19 48	0 28	21 35	1 7	4 15	2 53	23 5	0 15	21 24	1 23	1 7	0 44	13 44	1 47	5 36	13 35	1 10	1 27	21 16	8 37	0 13
F 6	22 33	4n31	0n37	19 23	0 14	21 45	1 5	4 10	2 55	23 5	0 15	21 25	1 23	1 7	0 44	13 45	1 47	5 36	13 35	1 10	1 26	21 14	8 37	0 13
S 7	22 25	10 44	1 46	18 59	0n 1	21 55	1 2	4 6	2 56	23 5	0 15	21 25	1 23	1 7	0 44	13 45	1 47	5 36	13 35	1 10	1 24	21 11	8 37	0 13
S 8	22 18	16 21	2 48	18 36	0 18	22 4	1 0	4 1	2 58	23 5	0 15	21 26	1 23	1 7	0 44	13 45	1 47	5 37	13 34	1 10	1 23	21 9	8 37	0 13
M 9	22 9	21 6	3 39	18 15	0 35	22 12	0 57	3 57	2 59	23 4	0 15	21 27	1 23	1 7	0 44	13 46	1 47	5 37	13 34	1 8	1 22	21 6	8 37	0 13
T 10	22 0	24 49	4 19	17 56	0 53	22 19	0 54	3 53	3 1	23 4	0 14	21 27	1 23	1 7	0 44	13 46	1 47	5 37	13 34	1 6	1 21	21 4	8 37	0 13
W11	21 51	27 18	4 46	17 39	1 11	22 26	0 52	3 49	3 2	23 4	0 14	21 28	1 23	1 7	0 44	13 46	1 47	5 37	13 34	1 2	1 19	21 1	8 37	0 13
T 12	21 42	28 26	5 0	17 24	1 30	22 33	0 49	3 46	3 3	23 4	0 14	21 28	1 23	1 7	0 44	13 46	1 47	5 37	13 33	0 57	1 18	20 59	8 37	0 13
F 13	21 32	28 11	4 59	17 13	1 48	22 38	0 46	3 42	3 5	23 4	0 14	21 29	1 23	1 7	0 44	13 47	1 47	5 37	13 33	0 52	1 17	20 57	8 38	0 12
S 14	21 21	26 35	4 45	17 4	2 7	22 43	0 44	3 39	3 6	23 4	0 14	21 30	1 23	1 6	0 45	13 47	1 47	5 37	13 33	0 46	1 16	20 54	8 38	0 12
S 15	21 10	23 49	4 19	16 59	2 24	22 47	0 41	3 36	3 8	23 3	0 14	21 30	1 23	1 6	0 45	13 47	1 47	5 38	13 32	0 41	1 14	20 52	8 38	0 12
M16	20 59	20 3	3 42	16 56	2 40	22 51	0 38	3 33	3 9	23 3	0 13	21 31	1 23	1 6	0 45	13 47	1 47	5 38	13 32	0 37	1 13	20 49	8 38	0 12
T 17	20 48	15 30	2 55	16 57	2 55	22 54	0 36	3 31	3 11	23 3	0 13	21 31	1 23	1 6	0 45	13 48	1 47	5 38	13 32	0 34	1 12	20 47	8 38	0 12
W18	20 36	10 23	2 0	17 0	3 8	22 56	0 33	3 29	3 12	23 3	0 13	21 32	1 23	1 6	0 45	13 48	1 47	5 38	13 32	0 31	1 11	20 44	8 39	0 12
T 19	20 23	4 53	1 0	17 5	3 18	22 57	0 30	3 27	3 14	23 3	0 13	21 32	1 23	1 5	0 45	13 48	1 47	5 38	13 31	0 30	1 9	20 42	8 39	0 12
F 20	20 10	0s51	0s 4	17 13	3 26	22 58	0 27	3 25	3 15	23 3	0 13	21 33	1 23	1 5	0 45	13 48	1 47	5 38	13 31	0 30	1 8	20 39	8 39	0 12
S 21	19 57	6 39	1 9	17 22	3 32	22 58	0 24	3 24	3 17	23 3	0 13	21 33	1 23	1 5	0 45	13 48	1 47	5 39	13 31	0 30	1 7	20 37	8 40	0 12
S 22	19 44	12 19	2 11	17 32	3 35	22 58	0 22	3 22	3 18	23 2	0 12	21 34	1 23	1 4	0 45	13 49	1 48	5 39	13 30	0 30	1 6	20 34	8 40	0 12
M23	19 30	17 38	3 9	17 43	3 35	22 56	0 19	3 22	3 20	23 2	0 12	21 34	1 24	1 4	0 45	13 49	1 48	5 39	13 30	0 30	1 4	20 32	8 40	0 12
T 24	19 15	22 18	3 59	17 55	3 34	22 54	0 16	3 21	3 21	23 2	0 12	21 35	1 24	1 4	0 45	13 49	1 48	5 39	13 30	0 30	1 3	20 29	8 41	0 11
W25	19 1	25 57	4 38	18 8	3 30	22 52	0 13	3 20	3 23	23 2	0 12	21 35	1 24	1 3	0 45	13 49	1 48	5 39	13 30	0 28	1 2	20 27	8 41	0 11
T 26	18 46	28 9	5 1	18 20	3 25	22 48	0 11	3 20	3 24	23 2	0 12	21 36	1 24	1 3	0 45	13 49	1 48	5 40	13 29	0 26	1 0	20 24	8 42	0 11
F 27	18 31	28 28	5 5	18 33	3 18	22 44	0 8	3 20	3 26	23 2	0 12	21 36	1 24	1 3	0 45	13 49	1 48	5 40	13 29	0 23	0 59	20 22	8 42	0 11
S 28	18 15	26 44	4 49	18 45	3 10	22 39	0 5	3 21	3 27	23 2	0 11	21 36	1 24	1 2	0 45	13 49	1 48	5 40	13 29	0 19	0 58	20 19	8 43	0 11
S 29	17 59	23 2	4 12	18 57	3 1	22 34	0 2	3 22	3 29	23 2	0 11	21 37	1 24	1 2	0 45	13 49	1 48	5 40	13 28	0 16	0 57	20 17	8 43	0 11
M30	17 43	17 44	3 17	19 9	2 51	22 28	0s 0	3 23	3 30	23 2	0 11	21 37	1 24	1 1	0 45	13 50	1 48	5 41	13 28	0 13	0 55	20 14	8 44	0 11
T 31	17s26	11s22	2s 8	19s20	2n40	22s21	0s 3	3n24	3n32	23n 2	0s11	21s38	1n24	1s 1	0n45	13s50	1n48	5n41	13s28	0n11	0n54	20n11	8n44	0n11

Julian Day Number = 2317866.5, Delta T = 54.83 sec
Ecliptic obliquity = 23°29'21, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'55, Lahiri = 18°44'55Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1634
geocentric

FEBRUARY 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 44 38	12♒16'35	20♓46	20♉16	19♉ 4	29°R35	21°R24	18♐56	4°R15	12♏15	23°R44	0°R26	2♈13	14♌32	21♈59	W 1
T 2	8 48 35	13°17'23	5♈15	20°27	20°19	29♍34	21♊21	19° 1	4♎14	12°15	23♉44	0°D26	2° 9	14°38	22° 1	T 2
F 3	8 52 32	14°18'09	19°17	20°45	21°33	29°31	21°19	19° 6	4°12	12°16	23°44	0♈27	2° 6	14°45	22° 3	F 3
S 4	8 56 28	15°18'54	2♉52	21° 8	22°48	29°29	21°16	19°11	4°11	12°16	23°44	0°28	2° 3	14°52	22° 5	S 4
S 5	9 0 25	16°19'38	16° 2	21°37	24° 3	29°25	21°14	19°15	4°10	12°16	23°44	0°R29	2° 0	14°59	22° 7	S 5
M 6	9 4 21	17°20'20	28°50	22°11	25°17	29°21	21°12	19°20	4° 8	12°16	23°D44	0°28	1°57	15° 5	22° 9	M 6
T 7	9 8 18	18°21'00	11♊21	22°50	26°32	29°15	21°11	19°25	4° 7	12°16	23°44	0°25	1°54	15°12	22°11	T 7
W 8	9 12 14	19°21'38	23°38	23°33	27°47	29° 9	21° 9	19°30	4° 5	12°17	23°44	0°21	1°50	15°19	22°13	W 8
T 9	9 16 11	20°22'15	5♋44	24°19	29° 1	29° 3	21° 8	19°34	4° 3	12°17	23°44	0°14	1°47	15°25	22°15	T 9
F 10	9 20 7	21°22'50	17°43	25°10	0♒16	28°55	21° 7	19°39	4° 2	12°17	23°44	0° 7	1°44	15°32	22°18	F 10
S 11	9 24 4	22°23'24	29°37	26° 4	1°31	28°47	21° 6	19°43	4° 0	12°17	23°44	29♓59	1°41	15°39	22°20	S 11
S 12	9 28 1	23°23'55	11♌28	27° 1	2°45	28°38	21° 6	19°48	3°58	12°R17	23°44	29°53	1°38	15°45	22°22	S 12
M13	9 31 57	24°24'26	23°18	28° 0	4° 0	28°28	21° 5	19°52	3°57	12°17	23°44	29°47	1°35	15°52	22°24	M13
T 14	9 35 54	25°24'54	5♍ 9	29° 3	5°15	28°17	21° 5	19°56	3°55	12°17	23°44	29°42	1°31	15°59	22°27	T 14
W15	9 39 50	26°25'21	17° 2	0♒ 7	6°29	28° 6	21°D 5	20° 0	3°53	12°17	23°44	29°40	1°28	16° 5	22°29	W15
T 16	9 43 47	27°25'46	29° 1	1°14	7°44	27°54	21° 5	20° 4	3°51	12°17	23°45	29°D39	1°25	16°12	22°32	T 16
F 17	9 47 43	28°26'10	11♎ 6	2°23	8°59	27°41	21° 5	20° 8	3°49	12°17	23°45	29°39	1°22	16°19	22°34	F 17
S 18	9 51 40	29°26'32	23°22	3°35	10°13	27°27	21° 6	20°12	3°47	12°16	23°45	29°41	1°19	16°25	22°37	S 18
S 19	9 55 36	0♓26'53	5♏52	4°48	11°28	27°13	21° 7	20°16	3°45	12°16	23°45	29°43	1°15	16°32	22°40	S 19
M20	9 59 33	1°27'13	18°40	6° 2	12°43	26°57	21° 8	20°20	3°43	12°16	23°46	29°44	1°12	16°39	22°42	M20
T 21	10 3 29	2°27'31	1♐48	7°19	13°57	26°42	21° 9	20°23	3°41	12°16	23°46	29°R45	1° 9	16°45	22°45	T 21
W22	10 7 26	3°27'48	15°21	8°37	15°12	26°25	21°10	20°27	3°39	12°15	23°46	29°44	1° 6	16°52	22°48	W22
T 23	10 11 23	4°28'03	29°19	9°56	16°27	26° 8	21°12	20°30	3°37	12°15	23°47	29°42	1° 3	16°59	22°50	T 23
F 24	10 15 19	5°28'17	13♑43	11°17	17°41	25°50	21°14	20°34	3°35	12°15	23°47	29°40	1° 0	17° 6	22°53	F 24
S 25	10 19 16	6°28'29	28°29	12°40	18°56	25°32	21°16	20°37	3°33	12°14	23°47	29°37	0°56	17°12	22°56	S 25
S 26	10 23 12	7°28'39	13♒31	14° 3	20°11	25°13	21°18	20°40	3°30	12°14	23°48	29°33	0°53	17°19	22°59	S 26
M27	10 27 9	8°28'48	28°42	15°28	21°25	24°53	21°20	20°43	3°28	12°13	23°48	29°31	0°50	17°26	23° 2	M27
T 28	10 31 5	9♓28'55	13♓50	16♒55	22♒40	24♍33	21♊22	20♐46	3♎26	12♏13	23♉49	29♓29	0♈47	17♌32	23♈ 5	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s 9	4s28	0s52	19s30	2n29	22s13	0s 6	3n25	3n33	23n 2	0s11	21s38	1n24	1s 0	0n45	13s50	1n48	5n41	13s27	0n10	0n53	20n 9	8n45	0n11
T 2	16 52	2n29	0n26	19 40	2 18	22 5	0 8	3 27	3 34	23 2	0 11	21 38	1 24	1 0	0 45	13 50	1 48	5 42	13 27	0 10	0 52	20 6	8 46	0 11
F 3	16 34	9 6	1 40	19 48	2 6	21 56	0 11	3 29	3 36	23 2	0 10	21 39	1 24	0 59	0 45	13 50	1 48	5 42	13 27	0 11	0 50	20 4	8 46	0 11
S 4	16 17	15 5	2 46	19 56	1 54	21 47	0 14	3 32	3 37	23 2	0 10	21 39	1 24	0 58	0 45	13 50	1 48	5 42	13 26	0 11	0 49	20 1	8 47	0 10
S 5	15 59	20 12	3 41	20 4	1 43	21 37	0 16	3 34	3 39	23 2	0 10	21 39	1 24	0 58	0 45	13 50	1 48	5 42	13 26	0 11	0 48	19 59	8 47	0 10
M 6	15 40	24 14	4 24	20 10	1 31	21 26	0 19	3 37	3 40	23 2	0 10	21 40	1 24	0 57	0 45	13 50	1 48	5 43	13 26	0 11	0 47	19 56	8 48	0 10
T 7	15 22	27 1	4 53	20 15	1 20	21 14	0 21	3 41	3 41	23 2	0 10	21 40	1 24	0 57	0 45	13 50	1 49	5 43	13 26	0 10	0 45	19 53	8 49	0 10
W 8	15 3	28 27	5 7	20 19	1 8	21 2	0 24	3 44	3 42	23 2	0 10	21 40	1 24	0 56	0 45	13 50	1 49	5 43	13 25	0 8	0 44	19 51	8 50	0 10
T 9	14 44	28 30	5 8	20 22	0 57	20 50	0 26	3 48	3 44	23 2	0 9	21 41	1 24	0 55	0 45	13 50	1 49	5 44	13 25	0 6	0 43	19 48	8 50	0 10
F 10	14 24	27 11	4 55	20 24	0 46	20 36	0 29	3 52	3 45	23 2	0 9	21 41	1 24	0 55	0 45	13 50	1 49	5 44	13 25	0 3	0 41	19 46	8 51	0 10
S 11	14 5	24 40	4 30	20 24	0 35	20 22	0 31	3 56	3 46	23 2	0 9	21 41	1 24	0 54	0 45	13 50	1 49	5 44	13 24	0s 0	0 40	19 43	8 52	0 10
S 12	13 45	21 6	3 52	20 24	0 25	20 8	0 34	4 1	3 47	23 2	0 9	21 42	1 24	0 53	0 45	13 50	1 49	5 45	13 24	0 3	0 39	19 40	8 53	0 10
M13	13 25	16 42	3 5	20 22	0 14	19 53	0 36	4 6	3 48	23 3	0 9	21 42	1 25	0 53	0 45	13 50	1 49	5 45	13 24	0 5	0 38	19 38	8 53	0 10
T 14	13 5	11 39	2 10	20 19	0 4	19 37	0 38	4 11	3 49	23 3	0 9	21 42	1 25	0 52	0 45	13 50	1 49	5 45	13 23	0 7	0 36	19 35	8 54	0 10
W15	12 44	6 11	1 8	20 15	0s 5	19 21	0 41	4 17	3 50	23 3	0 9	21 42	1 25	0 51	0 46	13 49	1 49	5 46	13 23	0 8	0 35	19 33	8 55	0 10
T 16	12 23	0 27	0 3	20 10	0 15	19 4	0 43	4 22	3 51	23 3	0 8	21 43	1 25	0 50	0 46	13 49	1 49	5 46	13 23	0 8	0 34	19 30	8 56	0 9
F 17	12 3	5s22	1s 2	20 3	0 24	18 46	0 45	4 28	3 52	23 3	0 8	21 43	1 25	0 49	0 46	13 49	1 49	5 46	13 22	0 8	0 33	19 27	8 57	0 9
S 18	11 41	11 3	2 6	19 55	0 32	18 28	0 47	4 34	3 53	23 3	0 8	21 43	1 25	0 49	0 46	13 49	1 49	5 47	13 22	0 8	0 31	19 25	8 58	0 9
S 19	11 20	16 25	3 6	19 46	0 41	18 10	0 49	4 41	3 53	23 4	0 8	21 43	1 25	0 48	0 46	13 49	1 49	5 47	13 22	0 7	0 30	19 22	8 58	0 9
M20	10 59	21 13	3 57	19 36	0 49	17 51	0 51	4 47	3 54	23 4	0 8	21 43	1 25	0 47	0 46	13 49	1 49	5 47	13 21	0 6	0 29	19 19	8 59	0 9
T 21	10 37	25 6	4 38	19 24	0 57	17 31	0 53	4 54	3 55	23 4	0 8	21 44	1 25	0 46	0 46	13 49	1 49	5 48	13 21	0 6	0 28	19 17	9 0	0 9
W22	10 15	27 44	5 5	19 11	1 4	17 11	0 55	5 1	3 55	23 4	0 7	21 44	1 25	0 45	0 46	13 49	1 49	5 48	13 21	0 6	0 26	19 14	9 1	0 9
T 23	9 54	28 44	5 14	18 56	1 11	16 51	0 57	5 9	3 56	23 4	0 7	21 44	1 25	0 44	0 46	13 48	1 49	5 49	13 21	0 7	0 25	19 11	9 2	0 9
F 24	9 31	27 50	5 5	18 41	1 18	16 30	0 59	5 16	3 56	23 5	0 7	21 44	1 25	0 44	0 46	13 48	1 50	5 49	13 20	0 8	0 24	19 9	9 3	0 9
S 25	9 9	25 0	4 36	18 23	1 24	16 9	1 1	5 24	3 57	23 5	0 7	21 44	1 25	0 43	0 46	13 48	1 50	5 49	13 20	0 9	0 22	19 6	9 4	0 9
S 26	8 47	20 25	3 47	18 5	1 30	15 47	1 3	5 32	3 57	23 5	0 7	21 44	1 25	0 42	0 46	13 48	1 50	5 50	13 20	0 11	0 21	19 3	9 5	0 9
M27	8 24	14 29	2 42	17 45	1 36	15 24	1 4	5 40	3 57	23 6	0 7	21 45	1 25	0 41	0 46	13 48	1 50	5 50	13 19	0 12	0 20	19 1	9 6	0 8
T 28	8s 2	7s41	1s25	17s24	1s41	15s 2	1s 6	5n48	3n57	23n 6	0s 7	21s45	1n26	0s40	0n46	13s47	1n50	5n51	13s19	0s12	0n19	18n58	9n 7	0n 8

Julian Day Number = 2317897.5, Delta T = 54.77 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'59, Lahiri = 18°45'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

MARCH 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 35 2	10♓29'00	28♓47	18♒22	23♒54	24°R12	21♊25	20♐49	3°R23	12°R12	23♉49	29°D29	0♈44	17♌39	23♈ 8	W 1
T 2	10 38 58	11°29'03	13♈25	19°51	25° 9	23♍51	21°28	20°52	3♎21	12♏12	23°50	29♓29	0°41	17°46	23°11	T 2
F 3	10 42 55	12°29'04	27°38	21°21	26°24	23°30	21°31	20°55	3°19	12°11	23°50	29°30	0°37	17°52	23°14	F 3
S 4	10 46 52	13°29'02	11♉25	22°53	27°38	23° 8	21°34	20°58	3°16	12°10	23°51	29°31	0°34	17°59	23°17	S 4
S 5	10 50 48	14°28'59	24°45	24°25	28°53	22°45	21°38	21° 0	3°14	12°10	23°51	29°33	0°31	18° 6	23°20	S 5
M 6	10 54 45	15°28'54	7♊40	25°59	0♓ 7	22°23	21°42	21° 3	3°12	12° 9	23°52	29°33	0°28	18°12	23°24	M 6
T 7	10 58 41	16°28'46	20°13	27°34	1°22	22° 0	21°45	21° 5	3° 9	12° 8	23°52	29°R33	0°25	18°19	23°27	T 7
W 8	11 2 38	17°28'36	2♋30	29°10	2°36	21°37	21°49	21° 7	3° 7	12° 8	23°53	29°33	0°21	18°26	23°30	W 8
T 9	11 6 34	18°28'23	14°34	0♓47	3°51	21°14	21°54	21°10	3° 4	12° 7	23°54	29°32	0°18	18°32	23°33	T 9
F 10	11 10 31	19°28'09	26°29	2°25	5° 6	20°50	21°58	21°12	3° 2	12° 6	23°54	29°31	0°15	18°39	23°37	F 10
S 11	11 14 28	20°27'52	8♌19	4° 5	6°20	20°27	22° 2	21°14	2°59	12° 5	23°55	29°29	0°12	18°46	23°40	S 11
S 12	11 18 24	21°27'33	20° 9	5°46	7°35	20° 3	22° 7	21°16	2°57	12° 4	23°56	29°28	0° 9	18°52	23°43	S 12
M13	11 22 21	22°27'12	2♍ 0	7°28	8°49	19°40	22°12	21°18	2°54	12° 3	23°56	29°27	0° 6	18°59	23°47	M13
T 14	11 26 17	23°26'49	13°55	9°11	10° 4	19°16	22°17	21°19	2°52	12° 2	23°57	29°26	0° 2	19° 6	23°50	T 14
W15	11 30 14	24°26'23	25°56	10°56	11°18	18°53	22°22	21°21	2°49	12° 2	23°58	29°D26	29♓59	19°12	23°53	W15
T 16	11 34 10	25°25'56	8♎ 6	12°41	12°32	18°30	22°28	21°22	2°47	12° 1	23°59	29°26	29°56	19°19	23°57	T 16
F 17	11 38 7	26°25'26	20°25	14°29	13°47	18° 7	22°33	21°24	2°44	12° 0	23°59	29°26	29°53	19°26	24° 0	F 17
S 18	11 42 3	27°24'55	2♏56	16°17	15° 1	17°44	22°39	21°25	2°41	11°59	24° 0	29°27	29°50	19°32	24° 4	S 18
S 19	11 46 0	28°24'22	15°39	18° 7	16°16	17°21	22°45	21°26	2°39	11°57	24° 1	29°27	29°46	19°39	24° 7	S 19
M20	11 49 56	29°23'47	28°38	19°57	17°30	16°59	22°51	21°28	2°36	11°56	24° 2	29°R27	29°43	19°46	24°11	M20
T 21	11 53 53	0♈23'10	11♐53	21°50	18°45	16°37	22°57	21°29	2°34	11°55	24° 3	29°27	29°40	19°53	24°15	T 21
W22	11 57 50	1°22'32	25°25	23°43	19°59	16°15	23° 3	21°30	2°31	11°54	24° 4	29°D27	29°37	19°59	24°18	W22
T 23	12 1 46	2°21'51	9♑16	25°38	21°13	15°54	23°10	21°30	2°28	11°53	24° 5	29°27	29°34	20° 6	24°22	T 23
F 24	12 5 43	3°21'09	23°25	27°34	22°28	15°33	23°16	21°31	2°26	11°52	24° 5	29°27	29°31	20°13	24°25	F 24
S 25	12 9 39	4°20'26	7♒51	29°32	23°42	15°13	23°23	21°32	2°23	11°51	24° 6	29°27	29°27	20°19	24°29	S 25
S 26	12 13 36	5°19'40	22°30	1♈30	24°57	14°53	23°30	21°32	2°21	11°49	24° 7	29°28	29°24	20°26	24°33	S 26
M27	12 17 32	6°18'52	7♓18	3°30	26°11	14°34	23°37	21°33	2°18	11°48	24° 8	29°28	29°21	20°33	24°36	M27
T 28	12 21 29	7°18'03	22° 7	5°31	27°25	14°15	23°44	21°33	2°15	11°47	24° 9	29°R29	29°18	20°39	24°40	T 28
W29	12 25 25	8°17'12	6♈50	7°33	28°40	13°57	23°52	21°33	2°13	11°46	24°10	29°29	29°15	20°46	24°44	W29
T 30	12 29 22	9°16'18	21°21	9°36	29°54	13°40	23°59	21°34	2°10	11°44	24°11	29°28	29°12	20°53	24°48	T 30
F 31	12 33 19	10♈15'22	5♉34	11♈40	1♈ 8	13♍23	24♊ 7	21°R34	2♎ 8	11♏43	24♉12	29♓27	29♓ 8	20♌59	24♈51	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s39	0s33	0s 4	17s 2	1s46	14s38	1s 8	5n56	3n57	23n 6	0s 6	21s45	1n26	0s39	0n46	13s47	1n50	5n51	13s19	0s12	0n17	18n55	9n 8	0n 8
T 2	7 16	6n29	1n16	16 38	1 51	14 15	1 9	6 4	3 57	23 7	0 6	21 45	1 26	0 38	0 46	13 47	1 50	5 51	13 18	0 12	0 16	18 53	9 9	0 8
F 3	6 53	12 59	2 29	16 14	1 55	13 51	1 11	6 13	3 57	23 7	0 6	21 45	1 26	0 37	0 46	13 47	1 50	5 52	13 18	0 12	0 15	18 50	9 10	0 8
S 4	6 30	18 38	3 32	15 47	1 59	13 27	1 12	6 21	3 56	23 7	0 6	21 45	1 26	0 36	0 46	13 47	1 50	5 52	13 18	0 11	0 14	18 47	9 11	0 8
S 5	6 7	23 12	4 20	15 20	2 2	13 2	1 13	6 30	3 56	23 8	0 6	21 45	1 26	0 35	0 46	13 46	1 50	5 53	13 18	0 11	0 12	18 45	9 13	0 8
M 6	5 44	26 28	4 54	14 51	2 5	12 37	1 15	6 38	3 56	23 8	0 6	21 45	1 26	0 34	0 46	13 46	1 50	5 53	13 17	0 11	0 11	18 42	9 14	0 8
T 7	5 21	28 19	5 12	14 20	2 8	12 12	1 16	6 47	3 55	23 8	0 6	21 45	1 26	0 33	0 46	13 46	1 50	5 53	13 17	0 11	0 10	18 39	9 15	0 8
W 8	4 57	28 44	5 16	13 49	2 10	11 46	1 17	6 55	3 54	23 9	0 5	21 46	1 26	0 32	0 46	13 45	1 50	5 54	13 17	0 11	0 9	18 36	9 16	0 8
T 9	4 34	27 45	5 6	13 16	2 12	11 20	1 18	7 4	3 54	23 9	0 5	21 46	1 26	0 31	0 46	13 45	1 50	5 54	13 16	0 11	0 7	18 34	9 17	0 8
F 10	4 11	25 31	4 42	12 42	2 13	10 54	1 19	7 12	3 53	23 10	0 5	21 46	1 26	0 30	0 46	13 45	1 50	5 55	13 16	0 12	0 6	18 31	9 18	0 8
S 11	3 47	22 11	4 7	12 6	2 14	10 27	1 20	7 21	3 52	23 10	0 5	21 46	1 26	0 29	0 46	13 45	1 50	5 55	13 16	0 12	0 5	18 28	9 19	0 7
S 12	3 24	17 59	3 21	11 30	2 14	10 0	1 21	7 29	3 51	23 10	0 5	21 46	1 26	0 28	0 46	13 44	1 50	5 55	13 16	0 13	0 3	18 26	9 20	0 7
M13	3 0	13 4	2 26	10 52	2 14	9 33	1 22	7 37	3 50	23 11	0 5	21 46	1 27	0 27	0 46	13 44	1 50	5 56	13 15	0 13	0 2	18 23	9 22	0 7
T 14	2 36	7 39	1 25	10 12	2 14	9 5	1 23	7 45	3 48	23 11	0 5	21 46	1 27	0 26	0 46	13 44	1 51	5 56	13 15	0 13	0 1	18 20	9 23	0 7
W15	2 13	1 55	0 19	9 32	2 13	8 38	1 24	7 53	3 47	23 12	0 5	21 46	1 27	0 25	0 46	13 43	1 51	5 57	13 15	0 14	0s 0	18 17	9 24	0 7
T 16	1 49	3s57	0s48	8 50	2 11	8 10	1 24	8 1	3 46	23 12	0 4	21 46	1 27	0 24	0 46	13 43	1 51	5 57	13 14	0 13	0 2	18 15	9 25	0 7
F 17	1 25	9 45	1 54	8 7	2 9	7 42	1 25	8 9	3 44	23 13	0 4	21 46	1 27	0 23	0 46	13 43	1 51	5 58	13 14	0 13	0 3	18 12	9 26	0 7
S 18	1 2	15 15	2 55	7 22	2 7	7 14	1 25	8 16	3 43	23 13	0 4	21 46	1 27	0 22	0 46	13 42	1 51	5 58	13 14	0 13	0 4	18 9	9 28	0 7
S 19	0 38	20 13	3 49	6 37	2 4	6 45	1 26	8 24	3 41	23 13	0 4	21 46	1 27	0 21	0 46	13 42	1 51	5 59	13 14	0 13	0 5	18 6	9 29	0 7
M20	0 14	24 20	4 33	5 50	2 1	6 16	1 26	8 31	3 39	23 14	0 4	21 46	1 27	0 20	0 46	13 42	1 51	5 59	13 13	0 13	0 7	18 3	9 30	0 7
T 21	0n 9	27 15	5 3	5 2	1 57	5 48	1 27	8 38	3 37	23 14	0 4	21 46	1 27	0 19	0 46	13 41	1 51	5 59	13 13	0 13	0 8	18 1	9 31	0 7
W22	0 33	28 41	5 17	4 13	1 52	5 19	1 27	8 45	3 35	23 15	0 4	21 46	1 27	0 18	0 46	13 41	1 51	6 0	13 13	0 13	0 9	17 58	9 33	0 7
T 23	0 57	28 22	5 13	3 23	1 48	4 49	1 27	8 51	3 33	23 15	0 3	21 46	1 27	0 17	0 46	13 40	1 51	6 0	13 13	0 13	0 10	17 55	9 34	0 7
F 24	1 20	26 13	4 50	2 32	1 42	4 20	1 27	8 57	3 31	23 16	0 3	21 46	1 27	0 16	0 46	13 40	1 51	6 1	13 12	0 13	0 12	17 52	9 35	0 6
S 25	1 44	22 21	4 9	1 39	1 36	3 51	1 28	9 3	3 29	23 16	0 3	21 46	1 28	0 15	0 46	13 40	1 51	6 1	13 12	0 13	0 13	17 50	9 36	0 6
S 26	2 7	17 3	3 11	0 46	1 30	3 21	1 28	9 9	3 27	23 17	0 3	21 46	1 28	0 14	0 46	13 39	1 51	6 2	13 12	0 13	0 14	17 47	9 38	0 6
M27	2 31	10 42	2 0	0n 8	1 23	2 52	1 28	9 14	3 25	23 17	0 3	21 46	1 28	0 13	0 46	13 39	1 51	6 2	13 12	0 13	0 16	17 44	9 39	0 6
T 28	2 54	3 46	0 41	1 3	1 15	2 22	1 27	9 20	3 23	23 18	0 3	21 46	1 28	0 12	0 46	13 38	1 51	6 3	13 12	0 13	0 17	17 41	9 40	0 6
W29	3 18	3n21	0n41	1 59	1 7	1 52	1 27	9 24	3 20	23 18	0 3	21 46	1 28	0 11	0 46	13 38	1 51	6 3	13 11	0 13	0 18	17 38	9 42	0 6
T 30	3 41	10 10	1 58	2 55	0 59	1 22	1 27	9 29	3 18	23 19	0 3	21 45	1 28	0 10	0 46	13 37	1 51	6 3	13 11	0 13	0 19	17 36	9 43	0 6
F 31	4n 4	16n20	3n 7	3n52	0s50	0s52	1s27	9n33	3n16	23n19	0s 3	21s45	1n28	0s 9	0n46	13s37	1n51	6n 4	13s11	0s13	0s21	17n33	9n44	0n 6

Julian Day Number = 2317925.5, Delta T = 54.71 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'03, Lahiri = 18°45'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

APRIL 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 15	11♈14'25	19♉24	13♈44	2♈23	13°R 7	24♊14	21°R34	2°R 5	11°R42	24♉13	29°R26	29♓ 5	21♌ 6	24♈55	S 1
S 2	12 41 12	12°13'25	2♊49	15°49	3°37	12♍51	24°22	21♐33	2♎ 3	11♏40	24°14	29♓24	29° 2	21°13	24°59	S 2
M 3	12 45 8	13°12'23	15°50	17°54	4°51	12°37	24°30	21°33	2° 0	11°39	24°15	29°22	28°59	21°19	25° 3	M 3
T 4	12 49 5	14°11'18	28°29	19°59	6° 6	12°23	24°39	21°33	1°58	11°38	24°16	29°21	28°56	21°26	25° 6	T 4
W 5	12 53 1	15°10'12	10♋49	22° 4	7°20	12°10	24°47	21°32	1°55	11°36	24°17	29°D21	28°52	21°33	25°10	W 5
T 6	12 56 58	16° 9'03	22°54	24° 9	8°34	11°57	24°55	21°32	1°53	11°35	24°19	29°21	28°49	21°39	25°14	T 6
F 7	13 0 54	17° 7'51	4♌49	26°13	9°48	11°46	25° 4	21°31	1°50	11°33	24°20	29°21	28°46	21°46	25°18	F 7
S 8	13 4 51	18° 6'38	16°39	28°15	11° 3	11°35	25°13	21°31	1°48	11°32	24°21	29°23	28°43	21°53	25°22	S 8
S 9	13 8 48	19° 5'22	28°29	0♍16	12°17	11°25	25°21	21°30	1°45	11°30	24°22	29°24	28°40	21°59	25°26	S 9
M10	13 12 44	20° 4'04	10♍22	2°15	13°31	11°16	25°30	21°29	1°43	11°29	24°23	29°26	28°37	22° 6	25°29	M10
T 11	13 16 41	21° 2'43	22°22	4°12	14°45	11° 7	25°39	21°28	1°40	11°27	24°24	29°27	28°33	22°13	25°33	T 11
W12	13 20 37	22° 1'21	4♎32	6° 7	15°59	10°59	25°48	21°27	1°38	11°26	24°25	29°R27	28°30	22°19	25°37	W12
T 13	13 24 34	22°59'57	16°55	7°58	17°13	10°52	25°58	21°25	1°36	11°24	24°27	29°26	28°27	22°26	25°41	T 13
F 14	13 28 30	23°58'30	29°32	9°47	18°28	10°46	26° 7	21°24	1°33	11°23	24°28	29°24	28°24	22°33	25°45	F 14
S 15	13 32 27	24°57'02	12♏23	11°32	19°42	10°41	26°17	21°23	1°31	11°21	24°29	29°20	28°21	22°39	25°49	S 15
S 16	13 36 23	25°55'32	25°29	13°13	20°56	10°36	26°26	21°21	1°29	11°20	24°30	29°16	28°18	22°46	25°52	S 16
M17	13 40 20	26°54'00	8♐48	14°51	22°10	10°33	26°36	21°20	1°26	11°18	24°31	29°12	28°14	22°53	25°56	M17
T 18	13 44 17	27°52'27	22°20	16°25	23°24	10°30	26°46	21°18	1°24	11°17	24°33	29° 8	28°11	22°59	26° 0	T 18
W19	13 48 13	28°50'52	6♑ 4	17°54	24°38	10°27	26°56	21°16	1°22	11°15	24°34	29° 5	28° 8	23° 6	26° 4	W19
T 20	13 52 10	29°49'15	19°59	19°19	25°52	10°26	27° 6	21°14	1°20	11°14	24°35	29° 4	28° 5	23°13	26° 8	T 20
F 21	13 56 6	0♒47'37	4♒ 3	20°40	27° 6	10°D25	27°16	21°12	1°18	11°12	24°36	29°D 3	28° 2	23°19	26°12	F 21
S 22	14 0 3	1°45'57	18°15	21°56	28°20	10°25	27°26	21°10	1°15	11°10	24°38	29° 4	27°58	23°26	26°16	S 22
S 23	14 3 59	2°44'16	2♓33	23° 7	29°34	10°26	27°36	21° 8	1°13	11° 9	24°39	29° 5	27°55	23°33	26°19	S 23
M24	14 7 56	3°42'33	16°56	24°14	0♉48	10°27	27°47	21° 6	1°11	11° 7	24°40	29° 7	27°52	23°39	26°23	M24
T 25	14 11 52	4°40'49	1♈18	25°15	2° 2	10°30	27°57	21° 4	1° 9	11° 5	24°41	29°R 7	27°49	23°46	26°27	T 25
W26	14 15 49	5°39'03	15°37	26°12	3°16	10°33	28° 8	21° 1	1° 7	11° 4	24°43	29° 6	27°46	23°53	26°31	W26
T 27	14 19 46	6°37'15	29°47	27° 4	4°30	10°36	28°18	20°59	1° 5	11° 2	24°44	29° 3	27°43	23°59	26°35	T 27
F 28	14 23 42	7°35'26	13♉44	27°50	5°44	10°41	28°29	20°56	1° 3	11° 1	24°45	28°59	27°39	24° 6	26°38	F 28
S 29	14 27 39	8°33'35	27°25	28°32	6°58	10°46	28°40	20°54	1° 1	10°59	24°47	28°53	27°36	24°13	26°42	S 29
S 30	14 31 35	9♉31'42	10♊45	29♉ 9	8♉12	10♍52	28♊51	20♐51	1♎ 0	10♏57	24♉48	28♓46	27♓33	24♌19	26♈46	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n27	21n30	4n 3	4n49	0s40	0s22	1s26	9n37	3n13	23n19	0s 2	21s45	1n28	0s 8	0n46	13s37	1n51	6n 4	13s11	0s14	0s22	17n30	9n45	0n 6
S 2	4 50	25 23	4 43	5 46	0 30	0n 8	1 26	9 41	3 11	23 20	0 2	21 45	1 28	0 7	0 46	13 36	1 51	6 5	13 10	0 14	0 23	17 27	9 47	0 6
M 3	5 13	27 50	5 8	6 44	0 20	0 38	1 26	9 44	3 8	23 20	0 2	21 45	1 28	0 6	0 46	13 36	1 51	6 5	13 10	0 15	0 24	17 24	9 48	0 6
T 4	5 36	28 45	5 16	7 41	0 10	1 7	1 25	9 47	3 6	23 21	0 2	21 45	1 28	0 5	0 46	13 35	1 51	6 6	13 10	0 15	0 26	17 21	9 49	0 6
W 5	5 59	28 12	5 10	8 38	0n 1	1 37	1 24	9 50	3 3	23 21	0 2	21 45	1 28	0 4	0 46	13 35	1 51	6 6	13 10	0 16	0 27	17 19	9 51	0 5
T 6	6 22	26 18	4 50	9 34	0 12	2 7	1 24	9 52	3 0	23 22	0 2	21 45	1 28	0 3	0 46	13 34	1 51	6 7	13 10	0 16	0 28	17 16	9 52	0 5
F 7	6 45	23 16	4 18	10 30	0 23	2 37	1 23	9 54	2 58	23 22	0 2	21 45	1 29	0 2	0 46	13 34	1 51	6 7	13 9	0 15	0 29	17 13	9 53	0 5
S 8	7 7	19 17	3 35	11 25	0 35	3 7	1 22	9 56	2 55	23 23	0 2	21 45	1 29	0 1	0 46	13 33	1 51	6 7	13 9	0 15	0 31	17 10	9 55	0 5
S 9	7 29	14 34	2 43	12 18	0 46	3 37	1 21	9 57	2 52	23 23	0 1	21 44	1 29	0n 0	0 46	13 33	1 51	6 8	13 9	0 14	0 32	17 7	9 56	0 5
M10	7 52	9 18	1 43	13 10	0 57	4 7	1 20	9 58	2 50	23 23	0 1	21 44	1 29	0 1	0 46	13 32	1 52	6 8	13 9	0 14	0 33	17 4	9 57	0 5
T 11	8 14	3 38	0 39	14 1	1 8	4 36	1 19	9 59	2 47	23 24	0 1	21 44	1 29	0 2	0 46	13 32	1 52	6 9	13 9	0 13	0 35	17 1	9 59	0 5
W12	8 36	2s14	0s28	14 49	1 18	5 6	1 18	10 0	2 44	23 24	0 1	21 44	1 29	0 3	0 46	13 31	1 52	6 9	13 8	0 13	0 36	16 59	10 0	0 5
T 13	8 58	8 7	1 35	15 36	1 29	5 35	1 17	10 0	2 42	23 25	0 1	21 44	1 29	0 4	0 46	13 31	1 52	6 10	13 8	0 14	0 37	16 56	10 1	0 5
F 14	9 19	13 47	2 38	16 20	1 39	6 5	1 16	10 0	2 39	23 25	0 1	21 44	1 29	0 5	0 46	13 30	1 52	6 10	13 8	0 14	0 38	16 53	10 3	0 5
S 15	9 41	18 59	3 34	17 2	1 48	6 34	1 15	9 59	2 36	23 25	0 1	21 44	1 29	0 6	0 46	13 30	1 52	6 11	13 8	0 16	0 40	16 50	10 4	0 5
S 16	10 2	23 23	4 21	17 42	1 57	7 3	1 14	9 59	2 34	23 26	0 1	21 43	1 29	0 7	0 46	13 30	1 52	6 11	13 8	0 17	0 41	16 47	10 5	0 5
M17	10 23	26 39	4 53	18 19	2 5	7 32	1 13	9 58	2 31	23 26	0 1	21 43	1 29	0 7	0 46	13 29	1 52	6 11	13 8	0 19	0 42	16 44	10 7	0 5
T 18	10 44	28 26	5 11	18 54	2 13	8 0	1 11	9 56	2 29	23 27	0 0	21 43	1 29	0 8	0 46	13 29	1 52	6 12	13 7	0 21	0 43	16 41	10 8	0 4
W19	11 5	28 31	5 11	19 26	2 20	8 29	1 10	9 55	2 26	23 27	0 0	21 43	1 29	0 9	0 46	13 28	1 52	6 12	13 7	0 22	0 45	16 38	10 9	0 4
T 20	11 26	26 49	4 52	19 56	2 26	8 57	1 8	9 53	2 23	23 27	0 0	21 43	1 29	0 10	0 46	13 28	1 52	6 13	13 7	0 22	0 46	16 35	10 11	0 4
F 21	11 46	23 26	4 17	20 23	2 31	9 25	1 7	9 51	2 21	23 28	0 0	21 43	1 29	0 11	0 45	13 27	1 52	6 13	13 7	0 23	0 47	16 33	10 12	0 4
S 22	12 7	18 38	3 25	20 47	2 35	9 53	1 5	9 48	2 18	23 28	0 0	21 42	1 29	0 12	0 45	13 27	1 52	6 13	13 7	0 22	0 48	16 30	10 13	0 4
S 23	12 27	12 46	2 20	21 9	2 39	10 21	1 4	9 46	2 16	23 28	0n 0	21 42	1 29	0 12	0 45	13 26	1 52	6 14	13 7	0 22	0 50	16 27	10 15	0 4
M24	12 47	6 11	1 6	21 28	2 41	10 49	1 2	9 43	2 13	23 28	0 0	21 42	1 30	0 13	0 45	13 25	1 52	6 14	13 7	0 21	0 51	16 24	10 16	0 4
T 25	13 6	0n42	0n12	21 45	2 43	11 16	1 0	9 40	2 10	23 29	0 0	21 42	1 30	0 14	0 45	13 25	1 52	6 15	13 6	0 21	0 52	16 21	10 17	0 4
W26	13 26	7 31	1 29	21 59	2 43	11 43	0 59	9 36	2 8	23 29	0 0	21 42	1 30	0 15	0 45	13 24	1 52	6 15	13 6	0 21	0 54	16 18	10 19	0 4
T 27	13 45	13 54	2 39	22 11	2 43	12 10	0 57	9 32	2 5	23 29	0 0	21 41	1 30	0 16	0 45	13 24	1 52	6 16	13 6	0 23	0 55	16 15	10 20	0 4
F 28	14 4	19 28	3 39	22 20	2 41	12 36	0 55	9 28	2 3	23 29	0 1	21 41	1 30	0 16	0 45	13 23	1 52	6 16	13 6	0 24	0 56	16 12	10 21	0 4
S 29	14 23	23 55	4 24	22 27	2 38	13 2	0 53	9 24	2 0	23 30	0 1	21 41	1 30	0 17	0 45	13 23	1 52	6 16	13 6	0 27	0 57	16 9	10 22	0 4
S 30	14n42	26n58	4n54	22n31	2n34	13n28	0s51	9n20	1n58	23n30	0n 1	21s41	1n30	0n18	0n45	13s22	1n52	6n17	13s 6	0s30	0s59	16n 6	10n24	0n 4

Julian Day Number = 2317956.5, Delta T = 54.64 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'07, Lahiri = 18°45'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

MAY 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 35 32	10♉29'47	23♊45	29♉40	9♉26	10♍58	29♊ 2	20°R48	0°R58	10°R56	24♉49	28°R39	27♓30	24♌26	26♈50	M 1
T 2	14 39 28	11°27'51	6♋25	0♊ 6	10°40	11° 5	29°13	20♐46	0♎56	10♏54	24°51	28♓33	27°27	24°33	26°54	T 2
W 3	14 43 25	12°25'52	18°46	0°27	11°54	11°13	29°24	20°43	0°54	10°52	24°52	28°29	27°24	24°39	26°57	W 3
T 4	14 47 21	13°23'52	0♌52	0°42	13° 8	11°21	29°35	20°40	0°52	10°51	24°53	28°26	27°20	24°46	27° 1	T 4
F 5	14 51 18	14°21'50	12°48	0°53	14°22	11°30	29°47	20°37	0°51	10°49	24°55	28°D25	27°17	24°53	27° 5	F 5
S 6	14 55 15	15°19'46	24°39	0°58	15°36	11°40	29°58	20°33	0°49	10°48	24°56	28°25	27°14	24°59	27° 9	S 6
S 7	14 59 11	16°17'40	6♍29	0°R58	16°50	11°50	0♋10	20°30	0°48	10°46	24°57	28°27	27°11	25° 6	27°12	S 7
M 8	15 3 8	17°15'33	18°23	0°53	18° 4	12° 1	0°21	20°27	0°46	10°44	24°59	28°28	27° 8	25°13	27°16	M 8
T 9	15 7 4	18°13'23	0♎28	0°44	19°18	12°12	0°33	20°24	0°45	10°43	25° 0	28°R28	27° 4	25°19	27°20	T 9
W10	15 11 1	19°11'12	12°45	0°31	20°31	12°24	0°44	20°20	0°43	10°41	25° 1	28°27	27° 1	25°26	27°23	W10
T 11	15 14 57	20° 8'59	25°20	0°13	21°45	12°37	0°56	20°17	0°42	10°39	25° 3	28°24	26°58	25°33	27°27	T 11
F 12	15 18 54	21° 6'45	8♏13	29♉51	22°59	12°50	1° 8	20°13	0°40	10°38	25° 4	28°19	26°55	25°39	27°30	F 12
S 13	15 22 50	22° 4'29	21°25	29°26	24°13	13° 3	1°20	20°10	0°39	10°36	25° 5	28°11	26°52	25°46	27°34	S 13
S 14	15 26 47	23° 2'13	4♐55	28°58	25°27	13°18	1°32	20° 6	0°38	10°35	25° 7	28° 3	26°49	25°53	27°38	S 14
M15	15 30 44	23°59'54	18°40	28°28	26°41	13°32	1°44	20° 2	0°37	10°33	25° 8	27°54	26°45	25°59	27°41	M15
T 16	15 34 40	24°57'35	2♑38	27°56	27°54	13°47	1°56	19°59	0°35	10°32	25° 9	27°45	26°42	26° 6	27°45	T 16
W17	15 38 37	25°55'14	16°43	27°22	29° 8	14° 3	2° 8	19°55	0°34	10°30	25°11	27°38	26°39	26°13	27°48	W17
T 18	15 42 33	26°52'53	0♒52	26°48	0♊22	14°19	2°20	19°51	0°33	10°28	25°12	27°33	26°36	26°19	27°52	T 18
F 19	15 46 30	27°50'30	15° 3	26°14	1°36	14°36	2°32	19°47	0°32	10°27	25°13	27°30	26°33	26°26	27°55	F 19
S 20	15 50 26	28°48'06	29°13	25°40	2°50	14°53	2°45	19°43	0°31	10°25	25°15	27°D30	26°29	26°33	27°59	S 20
S 21	15 54 23	29°45'42	13♓20	25° 7	4° 3	15°10	2°57	19°39	0°30	10°24	25°16	27°30	26°26	26°39	28° 2	S 21
M22	15 58 19	0♊43'16	27°24	24°36	5°17	15°28	3°10	19°35	0°29	10°22	25°18	27°R31	26°23	26°46	28° 5	M22
T 23	16 2 16	1°40'50	11♈23	24° 7	6°31	15°47	3°22	19°31	0°28	10°21	25°19	27°30	26°20	26°53	28° 9	T 23
W24	16 6 13	2°38'23	25°16	23°41	7°45	16° 5	3°35	19°27	0°28	10°19	25°20	27°27	26°17	26°59	28°12	W24
T 25	16 10 9	3°35'54	9♉ 1	23°17	8°58	16°25	3°47	19°23	0°27	10°18	25°22	27°22	26°14	27° 6	28°16	T 25
F 26	16 14 6	4°33'25	22°35	22°57	10°12	16°44	4° 0	19°18	0°26	10°16	25°23	27°13	26°10	27°13	28°19	F 26
S 27	16 18 2	5°30'55	5♊57	22°41	11°26	17° 4	4°12	19°14	0°26	10°15	25°24	27° 3	26° 7	27°19	28°22	S 27
S 28	16 21 59	6°28'25	19° 3	22°28	12°39	17°25	4°25	19°10	0°25	10°14	25°26	26°52	26° 4	27°26	28°25	S 28
M29	16 25 55	7°25'53	1♋53	22°20	13°53	17°46	4°38	19° 6	0°24	10°12	25°27	26°40	26° 1	27°33	28°29	M29
T 30	16 29 52	8°23'20	14°26	22°D16	15° 7	18° 7	4°51	19° 1	0°24	10°11	25°28	26°29	25°58	27°39	28°32	T 30
W31	16 33 48	9♊20'45	26♋43	22♉17	16♊21	18♍29	5♋ 3	18♐57	0♎24	10♏ 9	25♉30	26♓21	25♓55	27♌46	28♈35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 0	28n28	5n 8	22n33	2n30	13n53	0s49	9n15	1n56	23n30	0n 1	21s41	1n30	0n18	0n45	13s22	1n52	6n17	13s 6	0s32	1s 0	16n 3	10n25	0n 3
T 2	15 18	28 26	5 7	22 33	2 23	14 18	0 47	9 10	1 53	23 30	0 1	21 40	1 30	0 19	0 45	13 21	1 52	6 18	13 6	0 35	1 1	16 0	10 26	0 3
W 3	15 36	26 58	4 50	22 30	2 16	14 43	0 45	9 5	1 51	23 30	0 1	21 40	1 30	0 20	0 45	13 21	1 52	6 18	13 6	0 36	1 2	15 57	10 28	0 3
T 4	15 54	24 15	4 22	22 25	2 8	15 8	0 43	9 0	1 49	23 31	0 1	21 40	1 30	0 20	0 45	13 20	1 52	6 18	13 6	0 37	1 4	15 54	10 29	0 3
F 5	16 11	20 33	3 42	22 18	1 58	15 32	0 41	8 54	1 46	23 31	0 1	21 40	1 30	0 21	0 45	13 20	1 52	6 19	13 5	0 38	1 5	15 51	10 30	0 3
S 6	16 28	16 3	2 53	22 9	1 48	15 55	0 39	8 48	1 44	23 31	0 1	21 39	1 30	0 22	0 45	13 19	1 52	6 19	13 5	0 38	1 6	15 48	10 31	0 3
S 7	16 45	10 57	1 56	21 58	1 36	16 19	0 37	8 42	1 42	23 31	0 1	21 39	1 30	0 22	0 45	13 19	1 52	6 19	13 5	0 37	1 7	15 46	10 33	0 3
M 8	17 1	5 26	0 54	21 44	1 23	16 41	0 35	8 36	1 39	23 31	0 2	21 39	1 30	0 23	0 45	13 18	1 52	6 20	13 5	0 37	1 9	15 43	10 34	0 3
T 9	17 18	0s21	0s11	21 29	1 10	17 4	0 33	8 30	1 37	23 31	0 2	21 39	1 30	0 23	0 45	13 18	1 52	6 20	13 5	0 37	1 10	15 40	10 35	0 3
W10	17 33	6 13	1 16	21 12	0 55	17 26	0 30	8 23	1 35	23 31	0 2	21 38	1 30	0 24	0 45	13 17	1 52	6 21	13 5	0 37	1 11	15 37	10 37	0 3
T 11	17 49	11 59	2 19	20 53	0 40	17 47	0 28	8 16	1 33	23 31	0 2	21 38	1 30	0 25	0 45	13 17	1 52	6 21	13 5	0 38	1 12	15 34	10 38	0 3
F 12	18 4	17 23	3 17	20 33	0 24	18 8	0 26	8 9	1 31	23 31	0 2	21 38	1 30	0 25	0 45	13 16	1 52	6 21	13 5	0 40	1 14	15 31	10 39	0 3
S 13	18 19	22 6	4 5	20 11	0 7	18 29	0 24	8 2	1 28	23 31	0 2	21 38	1 30	0 26	0 45	13 16	1 52	6 22	13 5	0 43	1 15	15 28	10 40	0 3
S 14	18 34	25 46	4 41	19 49	0s10	18 49	0 21	7 54	1 26	23 31	0 2	21 37	1 30	0 26	0 45	13 15	1 52	6 22	13 5	0 47	1 16	15 25	10 41	0 2
M15	18 49	28 0	5 1	19 25	0 27	19 9	0 19	7 47	1 24	23 31	0 2	21 37	1 30	0 26	0 45	13 15	1 52	6 22	13 5	0 50	1 18	15 22	10 43	0 2
T 16	19 3	28 32	5 4	19 1	0 45	19 28	0 17	7 39	1 22	23 31	0 2	21 37	1 30	0 27	0 45	13 15	1 52	6 23	13 5	0 54	1 19	15 19	10 44	0 2
W17	19 17	27 13	4 48	18 36	1 2	19 46	0 14	7 31	1 20	23 31	0 2	21 36	1 30	0 27	0 45	13 14	1 52	6 23	13 5	0 57	1 20	15 16	10 45	0 2
T 18	19 30	24 9	4 15	18 11	1 20	20 4	0 12	7 23	1 18	23 31	0 3	21 36	1 30	0 28	0 45	13 14	1 52	6 23	13 5	0 59	1 21	15 13	10 46	0 2
F 19	19 43	19 38	3 27	17 47	1 37	20 22	0 10	7 15	1 16	23 31	0 3	21 36	1 30	0 28	0 45	13 13	1 52	6 24	13 5	1 0	1 23	15 10	10 47	0 2
S 20	19 56	14 2	2 25	17 23	1 53	20 39	0 7	7 6	1 14	23 30	0 3	21 36	1 30	0 28	0 45	13 13	1 52	6 24	13 5	1 0	1 24	15 7	10 49	0 2
S 21	20 9	7 43	1 15	17 0	2 9	20 55	0 5	6 58	1 12	23 30	0 3	21 35	1 30	0 29	0 45	13 12	1 52	6 24	13 5	1 0	1 25	15 4	10 50	0 2
M22	20 21	1 3	0 1	16 38	2 24	21 11	0 2	6 49	1 10	23 30	0 3	21 35	1 30	0 29	0 44	13 12	1 52	6 25	13 5	1 0	1 26	15 1	10 51	0 2
T 23	20 32	5n38	1n13	16 17	2 38	21 26	0 0	6 40	1 8	23 30	0 3	21 35	1 30	0 29	0 44	13 11	1 52	6 25	13 5	1 0	1 28	14 58	10 52	0 2
W24	20 44	12 0	2 22	15 58	2 52	21 41	0n 2	6 31	1 7	23 30	0 3	21 34	1 30	0 30	0 44	13 11	1 52	6 25	13 5	1 1	1 29	14 55	10 53	0 2
T 25	20 55	17 43	3 22	15 40	3 4	21 55	0 5	6 22	1 5	23 29	0 3	21 34	1 30	0 30	0 44	13 10	1 51	6 25	13 5	1 3	1 30	14 52	10 54	0 2
F 26	21 6	22 28	4 9	15 24	3 15	22 9	0 7	6 13	1 3	23 29	0 3	21 34	1 30	0 30	0 44	13 10	1 51	6 26	13 5	1 6	1 31	14 49	10 55	0 2
S 27	21 16	25 58	4 42	15 11	3 25	22 21	0 9	6 3	1 1	23 29	0 3	21 34	1 30	0 30	0 44	13 10	1 51	6 26	13 5	1 10	1 33	14 45	10 56	0 2
S 28	21 26	28 0	4 59	14 59	3 34	22 34	0 12	5 53	0 59	23 28	0 4	21 33	1 30	0 31	0 44	13 9	1 51	6 26	13 5	1 15	1 34	14 42	10 57	0 1
M29	21 36	28 29	5 1	14 50	3 41	22 45	0 14	5 44	0 58	23 28	0 4	21 33	1 30	0 31	0 44	13 9	1 51	6 27	13 5	1 20	1 35	14 39	10 59	0 1
T 30	21 45	27 28	4 48	14 43	3 47	22 56	0 17	5 34	0 56	23 28	0 4	21 33	1 30	0 31	0 44	13 8	1 51	6 27	13 5	1 24	1 36	14 36	11 0	0 1
W31	21n54	25n 7	4n21	14n38	3s53	23n 6	0n19	5n24	0n54	23n27	0n 4	21s32	1n30	0n31	0n44	13s 8	1n51	6n27	13s 5	1s27	1s38	14n33	11n 1	0n 1

Julian Day Number = 2317986.5, Delta T = 54.58 sec
Ecliptic obliquity = 23°29'22, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'11, Lahiri = 18°45'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

JUNE 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 37 45	10♊18'10	8♌48	22♉21	17♊34	18♍51	5♋16	18°R53	0°R23	10°R 8	25♉31	26°R14	25♓51	27♌53	28♈38	T 1
F 2	16 41 42	11°15'34	20°42	22°31	18°48	19°13	5°29	18♐48	0♎23	10♏ 7	25°32	26♓10	25°48	27°59	28°41	F 2
S 3	16 45 38	12°12'56	2♍32	22°45	20° 2	19°36	5°42	18°44	0°23	10° 5	25°34	26° 8	25°45	28° 6	28°44	S 3
S 4	16 49 35	13°10'17	14°21	23° 3	21°15	19°59	5°55	18°40	0°22	10° 4	25°35	26°D 8	25°42	28°13	28°47	S 4
M 5	16 53 31	14° 7'38	26°16	23°26	22°29	20°23	6° 8	18°35	0°22	10° 3	25°36	26°R 8	25°39	28°19	28°50	M 5
T 6	16 57 28	15° 4'57	8♎22	23°53	23°43	20°46	6°21	18°31	0°22	10° 1	25°37	26° 8	25°35	28°26	28°53	T 6
W 7	17 1 24	16° 2'15	20°43	24°25	24°56	21°10	6°34	18°26	0°22	10° 0	25°39	26° 6	25°32	28°33	28°56	W 7
T 8	17 5 21	16°59'33	3♏24	25° 0	26°10	21°35	6°47	18°22	0°D22	9°59	25°40	26° 1	25°29	28°39	28°59	T 8
F 9	17 9 17	17°56'49	16°28	25°40	27°24	22° 0	7° 1	18°18	0°22	9°58	25°41	25°54	25°26	28°46	29° 2	F 9
S 10	17 13 14	18°54'05	29°56	26°24	28°37	22°25	7°14	18°13	0°22	9°57	25°43	25°45	25°23	28°53	29° 4	S 10
S 11	17 17 11	19°51'20	13♐46	27°12	29°51	22°50	7°27	18° 9	0°22	9°55	25°44	25°34	25°20	28°59	29° 7	S 11
M12	17 21 7	20°48'35	27°56	28° 4	1♋ 4	23°16	7°40	18° 4	0°23	9°54	25°45	25°23	25°16	29° 6	29°10	M12
T 13	17 25 4	21°45'49	12♑20	29° 0	2°18	23°42	7°53	18° 0	0°23	9°53	25°46	25°12	25°13	29°13	29°13	T 13
W14	17 29 0	22°43'03	26°51	0♊ 0	3°32	24° 8	8° 7	17°56	0°23	9°52	25°48	25° 2	25°10	29°19	29°15	W14
T 15	17 32 57	23°40'16	11♒22	1° 3	4°45	24°34	8°20	17°51	0°23	9°51	25°49	24°56	25° 7	29°26	29°18	T 15
F 16	17 36 53	24°37'30	25°50	2°11	5°59	25° 1	8°33	17°47	0°24	9°50	25°50	24°52	25° 4	29°33	29°20	F 16
S 17	17 40 50	25°34'43	10♓ 8	3°21	7°12	25°28	8°47	17°42	0°24	9°49	25°51	24°50	25° 1	29°39	29°23	S 17
S 18	17 44 47	26°31'56	24°16	4°36	8°26	25°55	9° 0	17°38	0°25	9°48	25°52	24°50	24°57	29°46	29°25	S 18
M19	17 48 43	27°29'08	8♈13	5°54	9°40	26°23	9°13	17°34	0°25	9°47	25°54	24°50	24°54	29°53	29°28	M19
T 20	17 52 40	28°26'21	21°58	7°15	10°53	26°51	9°27	17°29	0°26	9°46	25°55	24°48	24°51	29°59	29°30	T 20
W21	17 56 36	29°23'34	5♉32	8°40	12° 7	27°19	9°40	17°25	0°27	9°45	25°56	24°45	24°48	0♍ 6	29°32	W21
T 22	18 0 33	0♋20'47	18°54	10° 8	13°20	27°47	9°53	17°21	0°27	9°44	25°57	24°39	24°45	0°13	29°35	T 22
F 23	18 4 29	1°18'00	2♊ 6	11°40	14°34	28°16	10° 7	17°17	0°28	9°43	25°58	24°30	24°41	0°19	29°37	F 23
S 24	18 8 26	2°15'13	15° 5	13°15	15°47	28°45	10°20	17°12	0°29	9°42	25°59	24°19	24°38	0°26	29°39	S 24
S 25	18 12 22	3°12'26	27°53	14°53	17° 1	29°14	10°34	17° 8	0°30	9°42	26° 1	24° 6	24°35	0°33	29°41	S 25
M26	18 16 19	4° 9'39	10♋27	16°35	18°14	29°43	10°47	17° 4	0°31	9°41	26° 2	23°53	24°32	0°39	29°44	M26
T 27	18 20 16	5° 6'51	22°48	18°20	19°28	0♎13	11° 1	17° 0	0°32	9°40	26° 3	23°41	24°29	0°46	29°46	T 27
W28	18 24 12	6° 4'04	4♌58	20° 7	20°42	0°42	11°14	16°56	0°33	9°39	26° 4	23°31	24°26	0°53	29°48	W28
T 29	18 28 9	7° 1'16	16°57	21°58	21°55	1°12	11°28	16°52	0°34	9°39	26° 5	23°24	24°22	0°59	29°50	T 29
F 30	18 32 5	7♋58'29	28♌49	23♊52	23♋ 9	1♎43	11♋41	16♐48	0♎35	9♏38	26♉ 6	23♓19	24♓19	1♍ 6	29♈52	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 2	21n41	3n43	14n35	3s56	23n16	0n21	5n13	0n52	23n27	0n 4	21s32	1n30	0n31	0n44	13s 8	1n51	6n27	13s 5	1s30	1s39	14n30	11n 2	0n 1
F 2	22 11	17 24	2 56	14 35	3 59	23 25	0 24	5 3	0 51	23 26	0 4	21 32	1 30	0 31	0 44	13 7	1 51	6 28	13 5	1 32	1 40	14 27	11 3	0 1
S 3	22 18	12 29	2 2	14 37	4 1	23 33	0 26	4 53	0 49	23 26	0 4	21 31	1 30	0 31	0 44	13 7	1 51	6 28	13 5	1 32	1 42	14 24	11 4	0 1
S 4	22 26	7 7	1 2	14 41	4 2	23 40	0 28	4 42	0 47	23 26	0 4	21 31	1 30	0 31	0 44	13 6	1 51	6 28	13 5	1 32	1 43	14 21	11 5	0 1
M 5	22 33	1 28	0s 1	14 47	4 1	23 47	0 31	4 31	0 46	23 25	0 4	21 31	1 29	0 31	0 44	13 6	1 51	6 28	13 5	1 32	1 44	14 18	11 6	0 1
T 6	22 39	4s19	1 4	14 55	4 0	23 53	0 33	4 20	0 44	23 25	0 4	21 30	1 29	0 31	0 44	13 6	1 51	6 29	13 5	1 33	1 45	14 15	11 7	0 1
W 7	22 45	10 3	2 6	15 4	3 57	23 59	0 35	4 9	0 42	23 24	0 4	21 30	1 29	0 31	0 44	13 5	1 51	6 29	13 5	1 33	1 47	14 12	11 8	0 1
T 8	22 51	15 33	3 4	15 16	3 54	24 3	0 37	3 58	0 41	23 23	0 5	21 30	1 29	0 31	0 44	13 5	1 51	6 29	13 5	1 35	1 48	14 9	11 9	0 1
F 9	22 56	20 31	3 53	15 29	3 50	24 7	0 40	3 47	0 39	23 23	0 5	21 29	1 29	0 31	0 44	13 5	1 51	6 29	13 5	1 38	1 49	14 6	11 10	0 0
S 10	23 1	24 35	4 31	15 44	3 45	24 11	0 42	3 36	0 38	23 22	0 5	21 29	1 29	0 31	0 44	13 4	1 51	6 29	13 5	1 42	1 50	14 3	11 10	0 0
S 11	23 6	27 22	4 54	16 1	3 39	24 13	0 44	3 24	0 36	23 22	0 5	21 29	1 29	0 31	0 44	13 4	1 51	6 30	13 5	1 46	1 52	14 0	11 11	0 0
M12	23 10	28 29	5 0	16 19	3 33	24 15	0 46	3 13	0 35	23 21	0 5	21 29	1 29	0 31	0 44	13 4	1 51	6 30	13 5	1 50	1 53	13 56	11 12	0 0
T 13	23 14	27 41	4 47	16 38	3 26	24 16	0 48	3 1	0 33	23 20	0 5	21 28	1 29	0 31	0 44	13 3	1 51	6 30	13 6	1 55	1 54	13 53	11 13	0 0
W14	23 17	25 1	4 16	16 58	3 18	24 17	0 50	2 49	0 32	23 20	0 5	21 28	1 29	0 31	0 43	13 3	1 51	6 30	13 6	1 58	1 55	13 50	11 14	0 0
T 15	23 20	20 44	3 28	17 19	3 10	24 16	0 52	2 37	0 30	23 19	0 5	21 28	1 29	0 31	0 43	13 3	1 51	6 30	13 6	2 1	1 57	13 47	11 15	0 0
F 16	23 23	15 14	2 27	17 41	3 1	24 15	0 54	2 26	0 29	23 18	0 5	21 27	1 29	0 30	0 43	13 2	1 51	6 31	13 6	2 3	1 58	13 44	11 16	0s 0
S 17	23 25	8 58	1 17	18 4	2 51	24 14	0 56	2 13	0 27	23 17	0 5	21 27	1 29	0 30	0 43	13 2	1 51	6 31	13 6	2 3	1 59	13 41	11 16	0 0
S 18	23 27	2 19	0 3	18 27	2 42	24 11	0 58	2 1	0 26	23 16	0 5	21 27	1 28	0 30	0 43	13 2	1 51	6 31	13 6	2 3	2 0	13 38	11 17	0 0
M19	23 28	4n20	1n10	18 51	2 31	24 8	1 0	1 49	0 25	23 16	0 6	21 26	1 28	0 30	0 43	13 2	1 51	6 31	13 6	2 4	2 2	13 35	11 18	0 0
T 20	23 29	10 43	2 18	19 15	2 21	24 4	1 2	1 37	0 23	23 15	0 6	21 26	1 28	0 29	0 43	13 1	1 51	6 31	13 6	2 4	2 3	13 32	11 19	0 0
W21	23 29	16 29	3 17	19 40	2 9	24 0	1 4	1 24	0 22	23 14	0 6	21 26	1 28	0 29	0 43	13 1	1 50	6 31	13 6	2 5	2 4	13 29	11 20	0 0
T 22	23 29	21 24	4 5	20 4	1 58	23 54	1 6	1 12	0 21	23 13	0 6	21 26	1 28	0 29	0 43	13 1	1 50	6 32	13 6	2 8	2 6	13 25	11 20	0 1
F 23	23 29	25 10	4 38	20 28	1 46	23 48	1 7	0 59	0 19	23 12	0 6	21 25	1 28	0 28	0 43	13 1	1 50	6 32	13 7	2 11	2 7	13 22	11 21	0 1
S 24	23 28	27 34	4 57	20 52	1 35	23 42	1 9	0 46	0 18	23 11	0 6	21 25	1 28	0 28	0 43	13 0	1 50	6 32	13 7	2 16	2 8	13 19	11 22	0 1
S 25	23 27	28 28	5 0	21 16	1 22	23 34	1 11	0 34	0 17	23 10	0 6	21 25	1 28	0 28	0 43	13 0	1 50	6 32	13 7	2 21	2 9	13 16	11 22	0 1
M26	23 25	27 52	4 48	21 39	1 10	23 26	1 12	0 21	0 15	23 9	0 6	21 24	1 28	0 27	0 43	13 0	1 50	6 32	13 7	2 26	2 11	13 13	11 23	0 1
T 27	23 23	25 53	4 23	22 1	0 58	23 17	1 14	0 8	0 14	23 8	0 6	21 24	1 27	0 27	0 43	13 0	1 50	6 32	13 7	2 31	2 12	13 10	11 24	0 1
W28	23 21	22 43	3 46	22 21	0 46	23 8	1 15	0s 5	0 13	23 7	0 6	21 24	1 27	0 26	0 43	13 0	1 50	6 32	13 7	2 35	2 13	13 7	11 24	0 1
T 29	23 18	18 39	3 0	22 41	0 34	22 58	1 17	0 18	0 12	23 6	0 7	21 24	1 27	0 26	0 43	12 59	1 50	6 32	13 7	2 38	2 14	13 4	11 25	0 1
F 30	23n15	13n53	2n 6	22n59	0s22	22n47	1n18	0s31	0n10	23n 5	0n 7	21s23	1n27	0n25	0n43	12s59	1n50	6n32	13s 8	2s40	2s16	13n 0	11n26	0s 1

Julian Day Number = 2318017.5, Delta T = 54.52 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'16, Lahiri = 18°45'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

JULY 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 2	8♋55'40	10♍36	25♊48	24♋22	2♎13	11♋55	16°R44	0♎36	9°R37	26♉ 7	23°R16	24♓16	1♍13	29♈53	S 1
S 2	18 39 58	9°52'52	22°24	27°46	25°36	2°44	12° 8	16♐40	0°38	9♏37	26° 8	23°D16	24°13	1°19	29°55	S 2
M 3	18 43 55	10°50'04	4♎18	29°47	26°49	3°15	12°22	16°36	0°39	9°36	26° 9	23♓16	24°10	1°26	29°57	M 3
T 4	18 47 51	11°47'15	16°23	1♋50	28° 3	3°46	12°35	16°32	0°40	9°35	26°10	23°R16	24° 7	1°32	29°59	T 4
W 5	18 51 48	12°44'27	28°43	3°55	29°16	4°17	12°49	16°29	0°42	9°35	26°11	23°15	24° 3	1°39	0♉ 0	W 5
T 6	18 55 45	13°41'38	11♏25	6° 1	0♌30	4°48	13° 2	16°25	0°43	9°34	26°12	23°12	24° 0	1°46	0° 2	T 6
F 7	18 59 41	14°38'50	24°32	8° 8	1°43	5°20	13°16	16°21	0°45	9°34	26°13	23° 6	23°57	1°52	0° 4	F 7
S 8	19 3 38	15°36'01	8♐ 7	10°16	2°56	5°52	13°29	16°18	0°46	9°33	26°14	22°59	23°54	1°59	0° 5	S 8
S 9	19 7 34	16°33'13	22° 8	12°25	4°10	6°24	13°43	16°14	0°48	9°33	26°15	22°50	23°51	2° 6	0° 7	S 9
M10	19 11 31	17°30'25	6♑33	14°34	5°23	6°56	13°56	16°11	0°49	9°33	26°16	22°40	23°47	2°12	0° 8	M10
T 11	19 15 27	18°27'37	21°16	16°42	6°37	7°29	14°10	16° 7	0°51	9°32	26°17	22°30	23°44	2°19	0°10	T 11
W12	19 19 24	19°24'50	6♒10	18°51	7°50	8° 1	14°23	16° 4	0°53	9°32	26°18	22°22	23°41	2°26	0°11	W12
T 13	19 23 20	20°22'03	21° 5	20°59	9° 4	8°34	14°37	16° 1	0°55	9°32	26°19	22°17	23°38	2°32	0°12	T 13
F 14	19 27 17	21°19'17	5♓53	23° 6	10°17	9° 7	14°50	15°58	0°56	9°31	26°19	22°14	23°35	2°39	0°13	F 14
S 15	19 31 14	22°16'31	20°29	25°13	11°30	9°40	15° 3	15°55	0°58	9°31	26°20	22°D13	23°32	2°46	0°14	S 15
S 16	19 35 10	23°13'46	4♈48	27°18	12°44	10°13	15°17	15°51	1° 0	9°31	26°21	22°13	23°28	2°52	0°16	S 16
M17	19 39 7	24°11'02	18°48	29°22	13°57	10°47	15°30	15°48	1° 2	9°31	26°22	22°R14	23°25	2°59	0°17	M17
T 18	19 43 3	25° 8'19	2♉30	1♌25	15°10	11°20	15°44	15°46	1° 4	9°31	26°23	22°14	23°22	3° 6	0°18	T 18
W19	19 47 0	26° 5'37	15°54	3°26	16°24	11°54	15°57	15°43	1° 6	9°31	26°23	22°12	23°19	3°12	0°19	W19
T 20	19 50 56	27° 2'56	29° 3	5°26	17°37	12°28	16°10	15°40	1° 8	9°31	26°24	22° 8	23°16	3°19	0°19	T 20
F 21	19 54 53	28° 0'16	11♊57	7°24	18°50	13° 2	16°24	15°37	1°10	9°31	26°25	22° 2	23°13	3°26	0°20	F 21
S 22	19 58 50	28°57'37	24°38	9°21	20° 4	13°37	16°37	15°35	1°13	9°D30	26°26	21°53	23° 9	3°32	0°21	S 22
S 23	20 2 46	29°54'59	7♋ 7	11°16	21°17	14°11	16°50	15°32	1°15	9°31	26°26	21°44	23° 6	3°39	0°22	S 23
M24	20 6 43	0♌52'21	19°26	13° 9	22°30	14°46	17° 4	15°30	1°17	9°31	26°27	21°35	23° 3	3°46	0°22	M24
T 25	20 10 39	1°49'45	1♌34	15° 1	23°44	15°20	17°17	15°27	1°19	9°31	26°28	21°26	23° 0	3°52	0°23	T 25
W26	20 14 36	2°47'09	13°34	16°51	24°57	15°55	17°30	15°25	1°22	9°31	26°28	21°19	22°57	3°59	0°24	W26
T 27	20 18 32	3°44'34	25°27	18°39	26°10	16°31	17°43	15°23	1°24	9°31	26°29	21°14	22°53	4° 6	0°24	T 27
F 28	20 22 29	4°41'59	7♍16	20°26	27°23	17° 6	17°57	15°21	1°27	9°31	26°30	21°10	22°50	4°12	0°25	F 28
S 29	20 26 25	5°39'26	19° 2	22°11	28°37	17°41	18°10	15°19	1°29	9°31	26°30	21°D 9	22°47	4°19	0°25	S 29
S 30	20 30 22	6°36'53	0♎50	23°54	29°50	18°17	18°23	15°17	1°32	9°32	26°31	21°10	22°44	4°26	0°25	S 30
M31	20 34 19	7♌34'21	12♎43	25♌36	1♍ 3	18♎52	18♋36	15♐15	1♎34	9♏32	26♉31	21♓11	22♓41	4♍32	0♉26	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n11	8n38	1n 7	23n15	0s10	22n35	1n19	0s45	0n 9	23n 4	0n 7	21s23	1n27	0n25	0n43	12s59	1n50	6n32	13s 8	2s41	2s17	12n57	11n26	0s 1
S 2	23 7	3 5	0 5	23 30	0n 2	22 23	1 21	0 58	0 8	23 3	0 7	21 23	1 27	0 24	0 43	12 59	1 50	6 33	13 8	2 41	2 18	12 54	11 27	0 1
M 3	23 3	2s36	0s58	23 42	0 13	22 10	1 22	1 11	0 7	23 2	0 7	21 23	1 27	0 24	0 43	12 59	1 50	6 33	13 8	2 41	2 19	12 51	11 27	0 1
T 4	22 58	8 18	2 0	23 52	0 24	21 57	1 23	1 25	0 5	23 0	0 7	21 22	1 27	0 23	0 43	12 59	1 50	6 33	13 8	2 41	2 21	12 48	11 28	0 2
W 5	22 53	13 48	2 57	24 0	0 34	21 43	1 24	1 38	0 4	22 59	0 7	21 22	1 26	0 22	0 43	12 59	1 50	6 33	13 8	2 41	2 22	12 45	11 28	0 2
T 6	22 47	18 53	3 47	24 5	0 44	21 28	1 25	1 52	0 3	22 58	0 7	21 22	1 26	0 22	0 43	12 59	1 50	6 33	13 9	2 42	2 23	12 41	11 29	0 2
F 7	22 41	23 15	4 27	24 7	0 53	21 13	1 26	2 6	0 2	22 57	0 7	21 22	1 26	0 21	0 43	12 58	1 50	6 33	13 9	2 45	2 24	12 38	11 29	0 2
S 8	22 34	26 32	4 53	24 7	1 2	20 57	1 27	2 19	0 1	22 56	0 7	21 21	1 26	0 21	0 42	12 58	1 50	6 33	13 9	2 48	2 26	12 35	11 30	0 2
S 9	22 28	28 18	5 3	24 4	1 10	20 41	1 28	2 33	0s 0	22 54	0 7	21 21	1 26	0 20	0 42	12 58	1 50	6 33	13 9	2 51	2 27	12 32	11 30	0 2
M10	22 20	28 14	4 55	23 58	1 17	20 24	1 29	2 47	0 1	22 53	0 8	21 21	1 26	0 19	0 42	12 58	1 49	6 33	13 9	2 55	2 28	12 29	11 31	0 2
T 11	22 13	26 11	4 26	23 49	1 23	20 6	1 29	3 1	0 3	22 52	0 8	21 21	1 25	0 19	0 42	12 58	1 49	6 33	13 9	2 59	2 29	12 26	11 31	0 2
W12	22 5	22 19	3 40	23 38	1 29	19 48	1 30	3 15	0 4	22 50	0 8	21 21	1 25	0 18	0 42	12 58	1 49	6 33	13 10	3 2	2 31	12 22	11 31	0 2
T 13	21 56	17 0	2 38	23 24	1 34	19 29	1 30	3 29	0 5	22 49	0 8	21 20	1 25	0 17	0 42	12 58	1 49	6 33	13 10	3 4	2 32	12 19	11 32	0 2
F 14	21 48	10 42	1 26	23 7	1 38	19 10	1 31	3 43	0 6	22 48	0 8	21 20	1 25	0 16	0 42	12 58	1 49	6 33	13 10	3 5	2 33	12 16	11 32	0 2
S 15	21 39	3 55	0 9	22 48	1 42	18 50	1 31	3 57	0 7	22 46	0 8	21 20	1 25	0 15	0 42	12 58	1 49	6 33	13 10	3 6	2 35	12 13	11 33	0 2
S 16	21 29	2n56	1n 7	22 27	1 44	18 30	1 32	4 11	0 8	22 45	0 8	21 20	1 25	0 15	0 42	12 58	1 49	6 33	13 10	3 6	2 36	12 10	11 33	0 3
M17	21 19	9 30	2 17	22 4	1 46	18 9	1 32	4 25	0 9	22 43	0 8	21 20	1 25	0 14	0 42	12 58	1 49	6 33	13 11	3 5	2 37	12 7	11 33	0 3
T 18	21 9	15 28	3 18	21 38	1 48	17 47	1 32	4 39	0 10	22 42	0 8	21 20	1 24	0 13	0 42	12 58	1 49	6 33	13 11	3 5	2 38	12 3	11 33	0 3
W19	20 58	20 34	4 7	21 11	1 48	17 26	1 33	4 53	0 11	22 40	0 8	21 20	1 24	0 12	0 42	12 58	1 49	6 33	13 11	3 6	2 40	12 0	11 34	0 3
T 20	20 48	24 34	4 42	20 42	1 48	17 3	1 33	5 7	0 12	22 39	0 9	21 19	1 24	0 11	0 42	12 58	1 49	6 33	13 11	3 8	2 41	11 57	11 34	0 3
F 21	20 36	27 15	5 1	20 11	1 47	16 41	1 33	5 22	0 13	22 37	0 9	21 19	1 24	0 10	0 42	12 58	1 49	6 33	13 11	3 10	2 42	11 54	11 34	0 3
S 22	20 25	28 28	5 6	19 39	1 46	16 17	1 33	5 36	0 14	22 36	0 9	21 19	1 24	0 10	0 42	12 58	1 49	6 33	13 12	3 13	2 43	11 51	11 34	0 3
S 23	20 13	28 13	4 55	19 6	1 44	15 54	1 33	5 50	0 15	22 34	0 9	21 19	1 23	0 9	0 42	12 58	1 49	6 33	13 12	3 17	2 45	11 47	11 34	0 3
M24	20 0	26 33	4 31	18 31	1 41	15 30	1 32	6 4	0 16	22 33	0 9	21 19	1 23	0 8	0 42	12 58	1 49	6 33	13 12	3 21	2 46	11 44	11 35	0 3
T 25	19 48	23 40	3 55	17 56	1 38	15 5	1 32	6 19	0 17	22 31	0 9	21 19	1 23	0 7	0 42	12 58	1 49	6 33	13 12	3 24	2 47	11 41	11 35	0 3
W26	19 35	19 48	3 9	17 19	1 35	14 40	1 32	6 33	0 18	22 30	0 9	21 19	1 23	0 6	0 42	12 59	1 48	6 33	13 12	3 27	2 48	11 38	11 35	0 3
T 27	19 21	15 10	2 14	16 42	1 30	14 15	1 31	6 48	0 19	22 28	0 9	21 19	1 23	0 5	0 42	12 59	1 48	6 32	13 13	3 29	2 50	11 35	11 35	0 3
F 28	19 8	10 1	1 15	16 4	1 26	13 50	1 31	7 2	0 20	22 26	0 9	21 19	1 23	0 4	0 42	12 59	1 48	6 32	13 13	3 30	2 51	11 31	11 35	0 4
S 29	18 54	4 32	0 12	15 25	1 21	13 24	1 30	7 16	0 21	22 25	0 9	21 19	1 22	0 3	0 42	12 59	1 48	6 32	13 13	3 31	2 52	11 28	11 35	0 4
S 30	18 39	1s 8	0s52	14 46	1 15	12 57	1 30	7 31	0 22	22 23	0 10	21 19	1 22	0 2	0 42	12 59	1 48	6 32	13 13	3 31	2 53	11 25	11 35	0 4
M31	18n25	6s47	1s54	14n 6	1n10	12n31	1n29	7s45	0s23	22n21	0n10	21s19	1n22	0n 1	0n42	12s59	1n48	6n32	13s14	3s30	2s55	11n22	11n35	0s 4

Julian Day Number = 2318047.5, Delta T = 54.46 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'20, Lahiri = 18°45'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

AUGUST 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 38 15	8♌31'50	24♎47	27♌16	2♍16	19♎28	18♋49	15°R13	1♎37	9♏32	26♉32	21♓12	22♓38	4♍39	0♉26	T 1
W 2	20 42 12	9°29'20	7♏ 7	28°55	3°30	20° 4	19° 2	15♐11	1°39	9°33	26°32	21°R13	22°34	4°45	0°26	W 2
T 3	20 46 8	10°26'50	19°46	0♍32	4°43	20°40	19°15	15°10	1°42	9°33	26°33	21°13	22°31	4°52	0°26	T 3
F 4	20 50 5	11°24'21	2♐50	2° 8	5°56	21°17	19°28	15° 8	1°45	9°33	26°33	21°11	22°28	4°59	0°R26	F 4
S 5	20 54 1	12°21'54	16°22	3°41	7° 9	21°53	19°41	15° 7	1°48	9°34	26°34	21° 7	22°25	5° 5	0°26	S 5
S 6	20 57 58	13°19'27	0♑22	5°14	8°22	22°30	19°54	15° 5	1°50	9°34	26°34	21° 2	22°22	5°12	0°26	S 6
M 7	21 1 54	14°17'01	14°49	6°44	9°35	23° 6	20° 7	15° 4	1°53	9°35	26°35	20°57	22°19	5°19	0°26	M 7
T 8	21 5 51	15°14'36	29°39	8°13	10°48	23°43	20°20	15° 3	1°56	9°35	26°35	20°52	22°15	5°25	0°26	T 8
W 9	21 9 48	16°12'12	14♒44	9°41	12° 1	24°20	20°32	15° 2	1°59	9°36	26°35	20°48	22°12	5°32	0°25	W 9
T 10	21 13 44	17° 9'50	29°54	11° 6	13°14	24°57	20°45	15° 1	2° 2	9°37	26°36	20°45	22° 9	5°39	0°25	T 10
F 11	21 17 41	18° 7'29	15♓ 0	12°30	14°27	25°34	20°58	15° 0	2° 5	9°37	26°36	20°D43	22° 6	5°45	0°25	F 11
S 12	21 21 37	19° 5'09	29°54	13°53	15°40	26°12	21°10	14°59	2° 8	9°38	26°36	20°43	22° 3	5°52	0°24	S 12
S 13	21 25 34	20° 2'50	14♈29	15°14	16°53	26°49	21°23	14°59	2°11	9°39	26°37	20°45	21°59	5°59	0°24	S 13
M14	21 29 30	21° 0'34	28°41	16°32	18° 6	27°27	21°36	14°58	2°14	9°39	26°37	20°46	21°56	6° 5	0°23	M14
T 15	21 33 27	21°58'19	12♉29	17°50	19°19	28° 4	21°48	14°58	2°17	9°40	26°37	20°47	21°53	6°12	0°23	T 15
W16	21 37 23	22°56'06	25°54	19° 5	20°32	28°42	22° 1	14°57	2°20	9°41	26°38	20°R47	21°50	6°19	0°22	W16
T 17	21 41 20	23°53'54	8♊58	20°18	21°45	29°20	22°13	14°57	2°23	9°42	26°38	20°47	21°47	6°25	0°21	T 17
F 18	21 45 17	24°51'45	21°43	21°30	22°58	29°58	22°25	14°57	2°26	9°42	26°38	20°44	21°44	6°32	0°21	F 18
S 19	21 49 13	25°49'37	4♋12	22°39	24°11	0♏36	22°38	14°57	2°29	9°43	26°38	20°41	21°40	6°39	0°20	S 19
S 20	21 53 10	26°47'31	16°29	23°46	25°24	1°15	22°50	14°D57	2°33	9°44	26°38	20°38	21°37	6°45	0°19	S 20
M21	21 57 6	27°45'26	28°35	24°51	26°36	1°53	23° 2	14°57	2°36	9°45	26°38	20°34	21°34	6°52	0°18	M21
T 22	22 1 3	28°43'23	10♌33	25°53	27°49	2°32	23°14	14°57	2°39	9°46	26°39	20°30	21°31	6°59	0°17	T 22
W23	22 4 59	29°41'22	22°25	26°53	29° 2	3°10	23°26	14°57	2°42	9°47	26°39	20°27	21°28	7° 5	0°16	W23
T 24	22 8 56	0♍39'22	4♍14	27°51	0♎15	3°49	23°38	14°58	2°46	9°48	26°39	20°26	21°25	7°12	0°15	T 24
F 25	22 12 52	1°37'24	16° 1	28°45	1°27	4°28	23°50	14°58	2°49	9°49	26°39	20°D25	21°21	7°18	0°14	F 25
S 26	22 16 49	2°35'28	27°48	29°37	2°40	5° 7	24° 2	14°59	2°53	9°50	26°39	20°25	21°18	7°25	0°13	S 26
S 27	22 20 46	3°33'33	9♎39	0♎25	3°53	5°46	24°14	14°59	2°56	9°52	26°R39	20°26	21°15	7°32	0°11	S 27
M28	22 24 42	4°31'39	21°37	1°10	5° 6	6°25	24°26	15° 0	2°59	9°53	26°39	20°27	21°12	7°38	0°10	M28
T 29	22 28 39	5°29'47	3♏44	1°52	6°18	7° 5	24°37	15° 1	3° 3	9°54	26°39	20°28	21° 9	7°45	0° 9	T 29
W30	22 32 35	6°27'57	16° 5	2°30	7°31	7°44	24°49	15° 2	3° 6	9°55	26°39	20°29	21° 5	7°52	0° 7	W30
T 31	22 36 32	7♍26'08	28♏44	3♎ 3	8♎43	8♏24	25♋ 0	15♐ 3	3♎10	9♏56	26♉39	20♓30	21♓ 2	7♍58	0♉ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n10	12s17	2s52	13n26	1n 4	12n 4	1n28	8s 0	0s23	22n20	0n10	21s19	1n22	0s 0	0n42	12s59	1n48	6n32	13s14	3s30	2s56	11n18	11n35	0s 4
W 2	17 55	17 26	3 44	12 46	0 57	11 36	1 28	8 14	0 24	22 18	0 10	21 19	1 22	0 1	0 42	12 59	1 48	6 32	13 14	3 29	2 57	11 15	11 35	0 4
T 3	17 39	21 58	4 26	12 5	0 50	11 9	1 27	8 29	0 25	22 16	0 10	21 19	1 21	0 3	0 42	13 0	1 48	6 32	13 14	3 29	2 58	11 12	11 35	0 4
F 4	17 24	25 36	4 55	11 25	0 43	10 41	1 26	8 43	0 26	22 14	0 10	21 19	1 21	0 4	0 41	13 0	1 48	6 32	13 14	3 30	3 0	11 9	11 35	0 4
S 5	17 8	27 56	5 10	10 44	0 36	10 13	1 25	8 58	0 27	22 13	0 10	21 19	1 21	0 5	0 41	13 0	1 48	6 31	13 15	3 32	3 1	11 6	11 35	0 4
S 6	16 51	28 36	5 7	10 3	0 28	9 44	1 24	9 12	0 28	22 11	0 10	21 19	1 21	0 6	0 41	13 0	1 48	6 31	13 15	3 34	3 2	11 2	11 35	0 4
M 7	16 35	27 23	4 45	9 22	0 20	9 16	1 22	9 27	0 29	22 9	0 10	21 19	1 21	0 7	0 41	13 0	1 48	6 31	13 15	3 36	3 3	10 59	11 35	0 4
T 8	16 18	24 14	4 3	8 41	0 12	8 47	1 21	9 41	0 30	22 7	0 11	21 19	1 21	0 8	0 41	13 1	1 48	6 31	13 15	3 38	3 5	10 56	11 35	0 4
W 9	16 1	19 23	3 4	8 1	0 3	8 18	1 20	9 55	0 30	22 5	0 11	21 19	1 20	0 9	0 41	13 1	1 48	6 31	13 16	3 39	3 6	10 53	11 34	0 5
T 10	15 43	13 16	1 51	7 20	0s 5	7 48	1 18	10 10	0 31	22 4	0 11	21 19	1 20	0 11	0 41	13 1	1 48	6 31	13 16	3 41	3 7	10 49	11 34	0 5
F 11	15 26	6 24	0 31	6 40	0 14	7 19	1 17	10 24	0 32	22 2	0 11	21 19	1 20	0 12	0 41	13 1	1 48	6 31	13 16	3 41	3 8	10 46	11 34	0 5
S 12	15 8	0n44	0n50	6 0	0 23	6 49	1 15	10 39	0 33	22 0	0 11	21 19	1 20	0 13	0 41	13 2	1 47	6 30	13 16	3 41	3 10	10 43	11 34	0 5
S 13	14 50	7 40	2 7	5 20	0 32	6 19	1 14	10 53	0 34	21 58	0 11	21 19	1 20	0 14	0 41	13 2	1 47	6 30	13 17	3 41	3 11	10 40	11 33	0 5
M14	14 31	14 2	3 13	4 41	0 41	5 49	1 12	11 7	0 34	21 56	0 11	21 20	1 19	0 16	0 41	13 2	1 47	6 30	13 17	3 40	3 12	10 36	11 33	0 5
T 15	14 13	19 32	4 7	4 3	0 51	5 19	1 10	11 21	0 35	21 54	0 11	21 20	1 19	0 17	0 41	13 3	1 47	6 30	13 17	3 40	3 14	10 33	11 33	0 5
W16	13 54	23 53	4 45	3 24	1 0	4 49	1 9	11 36	0 36	21 52	0 11	21 20	1 19	0 18	0 41	13 3	1 47	6 30	13 17	3 39	3 15	10 30	11 33	0 5
T 17	13 35	26 54	5 7	2 47	1 10	4 18	1 7	11 50	0 37	21 51	0 12	21 20	1 19	0 19	0 41	13 3	1 47	6 29	13 18	3 40	3 16	10 27	11 32	0 5
F 18	13 16	28 27	5 14	2 10	1 19	3 47	1 5	12 4	0 37	21 49	0 12	21 20	1 19	0 21	0 41	13 4	1 47	6 29	13 18	3 41	3 17	10 23	11 32	0 5
S 19	12 56	28 31	5 5	1 34	1 29	3 17	1 3	12 18	0 38	21 47	0 12	21 20	1 18	0 22	0 41	13 4	1 47	6 29	13 18	3 42	3 19	10 20	11 32	0 5
S 20	12 37	27 9	4 43	0 58	1 39	2 46	1 1	12 32	0 39	21 45	0 12	21 21	1 18	0 23	0 41	13 4	1 47	6 29	13 18	3 43	3 20	10 17	11 31	0 6
M21	12 17	24 32	4 8	0 24	1 48	2 15	0 59	12 46	0 40	21 43	0 12	21 21	1 18	0 25	0 41	13 5	1 47	6 29	13 19	3 45	3 21	10 14	11 31	0 6
T 22	11 57	20 52	3 22	0s10	1 58	1 44	0 56	13 0	0 40	21 41	0 12	21 21	1 18	0 26	0 41	13 5	1 47	6 28	13 19	3 46	3 22	10 10	11 30	0 6
W23	11 36	16 24	2 28	0 43	2 8	1 13	0 54	13 14	0 41	21 39	0 12	21 21	1 18	0 27	0 41	13 5	1 47	6 28	13 19	3 47	3 24	10 7	11 30	0 6
T 24	11 16	11 21	1 28	1 14	2 17	0 42	0 52	13 28	0 42	21 37	0 12	21 21	1 17	0 29	0 41	13 6	1 47	6 28	13 19	3 48	3 25	10 4	11 29	0 6
F 25	10 55	5 54	0 24	1 45	2 27	0 11	0 50	13 42	0 43	21 35	0 12	21 22	1 17	0 30	0 41	13 6	1 47	6 28	13 20	3 48	3 26	10 0	11 29	0 6
S 26	10 34	0 15	0s41	2 14	2 36	0s21	0 47	13 56	0 43	21 33	0 13	21 22	1 17	0 31	0 41	13 6	1 47	6 28	13 20	3 48	3 27	9 57	11 28	0 6
S 27	10 13	5s26	1 45	2 42	2 46	0 52	0 45	14 10	0 44	21 31	0 13	21 22	1 17	0 33	0 41	13 7	1 47	6 27	13 20	3 48	3 29	9 54	11 28	0 6
M28	9 52	10 59	2 44	3 8	2 55	1 23	0 42	14 23	0 45	21 29	0 13	21 22	1 17	0 34	0 41	13 7	1 47	6 27	13 20	3 48	3 30	9 51	11 27	0 6
T 29	9 31	16 12	3 38	3 33	3 3	1 54	0 40	14 37	0 45	21 27	0 13	21 23	1 16	0 35	0 41	13 8	1 46	6 27	13 21	3 47	3 31	9 47	11 27	0 6
W30	9 9	20 52	4 22	3 56	3 12	2 25	0 37	14 51	0 46	21 25	0 13	21 23	1 16	0 37	0 41	13 8	1 46	6 27	13 21	3 47	3 32	9 44	11 26	0 6
T 31	8n48	24s42	4s55	4s17	3s20	2s56	0n34	15s 4	0s47	21n23	0n13	21s23	1n16	0s38	0n41	13s 9	1n46	6n26	13s21	3s46	3s34	9n41	11n26	0s 7

Julian Day Number = 2318078.5, Delta T = 54.39 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'24, Lahiri = 18°45'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

SEPTEMBER 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 40 28	8♍24'21	11♐43	3♎33	9♎56	9♏ 3	25♋12	15♐ 4	3♎13	9♏58	26°R38	20°R30	20♓59	8♍ 5	0°R 4	F 1
S 2	22 44 25	9°22'35	25° 8	3°57	11° 8	9°43	25°23	15° 5	3°17	9°59	26♉38	20♓30	20°56	8°12	0♉ 3	S 2
S 3	22 48 21	10°20'51	8♑59	4°17	12°21	10°23	25°34	15° 7	3°20	10° 0	26°38	20°29	20°53	8°18	0° 1	S 3
M 4	22 52 18	11°19'08	23°16	4°31	13°33	11° 3	25°46	15° 8	3°24	10° 2	26°38	20°28	20°50	8°25	29♈59	M 4
T 5	22 56 15	12°17'27	7♒58	4°40	14°46	11°43	25°57	15°10	3°27	10° 3	26°38	20°27	20°46	8°32	29°58	T 5
W 6	23 0 11	13°15'47	22°58	4°R43	15°58	12°24	26° 8	15°11	3°31	10° 4	26°38	20°26	20°43	8°38	29°56	W 6
T 7	23 4 8	14°14'09	8♓ 9	4°39	17°11	13° 4	26°19	15°13	3°35	10° 6	26°37	20°26	20°40	8°45	29°54	T 7
F 8	23 8 4	15°12'33	23°21	4°30	18°23	13°44	26°30	15°15	3°38	10° 7	26°37	20°D26	20°37	8°52	29°52	F 8
S 9	23 12 1	16°10'58	8♈26	4°13	19°35	14°25	26°41	15°17	3°42	10° 9	26°37	20°26	20°34	8°58	29°51	S 9
S 10	23 15 57	17° 9'26	23°13	3°50	20°48	15° 5	26°51	15°19	3°46	10°10	26°37	20°26	20°31	9° 5	29°49	S 10
M11	23 19 54	18° 7'56	7♉39	3°20	22° 0	15°46	27° 2	15°21	3°49	10°12	26°36	20°26	20°27	9°11	29°47	M11
T 12	23 23 50	19° 6'28	21°38	2°43	23°12	16°27	27°13	15°23	3°53	10°13	26°36	20°27	20°24	9°18	29°45	T 12
W13	23 27 47	20° 5'02	5♊11	1°59	24°24	17° 8	27°23	15°26	3°57	10°15	26°36	20°R27	20°21	9°25	29°43	W13
T 14	23 31 43	21° 3'39	18°18	1°10	25°36	17°49	27°33	15°28	4° 0	10°16	26°35	20°D27	20°18	9°31	29°40	T 14
F 15	23 35 40	22° 2'18	1♋ 2	0°15	26°48	18°30	27°44	15°30	4° 4	10°18	26°35	20°27	20°15	9°38	29°38	F 15
S 16	23 39 37	23° 0'59	13°26	29♍15	28° 1	19°11	27°54	15°33	4° 8	10°20	26°34	20°27	20°11	9°45	29°36	S 16
S 17	23 43 33	23°59'42	25°36	28°12	29°13	19°53	28° 4	15°36	4°12	10°21	26°34	20°27	20° 8	9°51	29°34	S 17
M18	23 47 30	24°58'28	7♌35	27° 7	0♏25	20°34	28°14	15°38	4°15	10°23	26°34	20°28	20° 5	9°58	29°32	M18
T 19	23 51 26	25°57'15	19°27	26° 2	1°37	21°16	28°24	15°41	4°19	10°25	26°33	20°28	20° 2	10° 5	29°29	T 19
W20	23 55 23	26°56'05	1♍15	24°57	2°49	21°57	28°34	15°44	4°23	10°26	26°33	20°29	19°59	10°11	29°27	W20
T 21	23 59 19	27°54'57	13° 2	23°55	4° 1	22°39	28°43	15°47	4°27	10°28	26°32	20°29	19°56	10°18	29°25	T 21
F 22	0 3 16	28°53'51	24°51	22°57	5°12	23°21	28°53	15°50	4°30	10°30	26°32	20°R29	19°52	10°25	29°22	F 22
S 23	0 7 12	29°52'47	6♎44	22° 5	6°24	24° 3	29° 2	15°53	4°34	10°32	26°31	20°29	19°49	10°31	29°20	S 23
S 24	0 11 9	0♎51'45	18°43	21°20	7°36	24°45	29°12	15°57	4°38	10°34	26°31	20°28	19°46	10°38	29°17	S 24
M25	0 15 6	1°50'44	0♏50	20°44	8°48	25°27	29°21	16° 0	4°42	10°35	26°30	20°26	19°43	10°45	29°15	M25
T 26	0 19 2	2°49'46	13° 7	20°17	10° 0	26° 9	29°30	16° 4	4°45	10°37	26°29	20°25	19°40	10°51	29°12	T 26
W27	0 22 59	3°48'50	25°37	20° 1	11°11	26°51	29°39	16° 7	4°49	10°39	26°29	20°23	19°36	10°58	29°10	W27
T 28	0 26 55	4°47'56	8♐21	19°D54	12°23	27°34	29°48	16°11	4°53	10°41	26°28	20°21	19°33	11° 4	29° 7	T 28
F 29	0 30 52	5°47'03	21°23	19°58	13°35	28°16	29°56	16°14	4°57	10°43	26°27	20°20	19°30	11°11	29° 4	F 29
S 30	0 34 48	6♎46'13	4♑43	20♍13	14♏46	28♏59	0♌ 5	16♐18	5♎ 1	10♏45	26♉27	20°D19	19♓27	11♍18	29♈ 2	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n26	27s25	5s14	4s36	3s28	3s28	0n32	15s18	0s47	21n21	0n13	21s24	1n16	0s40	0n41	13s 9	1n46	6n26	13s21	3s46	3s35	9n37	11n25	0s 7
S 2	8 4	28 40	5 16	4 52	3 35	3 59	0 29	15 31	0 48	21 20	0 13	21 24	1 16	0 41	0 41	13 9	1 46	6 26	13 22	3 46	3 36	9 34	11 24	0 7
S 3	7 42	28 11	5 1	5 6	3 42	4 30	0 26	15 44	0 49	21 18	0 14	21 24	1 15	0 42	0 41	13 10	1 46	6 26	13 22	3 47	3 37	9 31	11 24	0 7
M 4	7 20	25 52	4 27	5 18	3 49	5 0	0 23	15 57	0 49	21 16	0 14	21 25	1 15	0 44	0 41	13 10	1 46	6 25	13 22	3 47	3 39	9 28	11 23	0 7
T 5	6 58	21 46	3 35	5 26	3 54	5 31	0 20	16 10	0 50	21 14	0 14	21 25	1 15	0 45	0 41	13 11	1 46	6 25	13 22	3 48	3 40	9 24	11 22	0 7
W 6	6 35	16 12	2 27	5 32	3 59	6 2	0 17	16 23	0 50	21 12	0 14	21 25	1 15	0 47	0 41	13 11	1 46	6 25	13 23	3 48	3 41	9 21	11 22	0 7
T 7	6 13	9 35	1 8	5 34	4 2	6 32	0 14	16 36	0 51	21 10	0 14	21 26	1 15	0 48	0 41	13 12	1 46	6 24	13 23	3 48	3 42	9 18	11 21	0 7
F 8	5 50	2 24	0n16	5 32	4 5	7 3	0 11	16 49	0 52	21 8	0 14	21 26	1 14	0 50	0 41	13 12	1 46	6 24	13 23	3 48	3 44	9 14	11 20	0 7
S 9	5 28	4n51	1 38	5 27	4 7	7 33	0 8	17 2	0 52	21 6	0 14	21 27	1 14	0 51	0 41	13 13	1 46	6 24	13 23	3 48	3 45	9 11	11 19	0 7
S 10	5 5	11 43	2 52	5 18	4 7	8 3	0 5	17 14	0 53	21 4	0 14	21 27	1 14	0 53	0 41	13 13	1 46	6 24	13 23	3 48	3 46	9 8	11 19	0 7
M11	4 42	17 46	3 54	5 5	4 5	8 33	0 2	17 27	0 53	21 2	0 15	21 27	1 14	0 54	0 41	13 14	1 46	6 23	13 24	3 48	3 47	9 4	11 18	0 8
T 12	4 19	22 41	4 39	4 47	4 2	9 3	0s 1	17 39	0 54	21 0	0 15	21 28	1 14	0 56	0 41	13 14	1 46	6 23	13 24	3 48	3 49	9 1	11 17	0 8
W13	3 56	26 14	5 7	4 25	3 58	9 33	0 4	17 51	0 55	20 58	0 15	21 28	1 14	0 57	0 41	13 15	1 46	6 23	13 24	3 48	3 50	8 58	11 16	0 8
T 14	3 33	28 15	5 18	4 0	3 51	10 2	0 8	18 4	0 55	20 56	0 15	21 29	1 13	0 58	0 41	13 15	1 46	6 22	13 24	3 48	3 51	8 54	11 15	0 8
F 15	3 10	28 42	5 12	3 30	3 43	10 32	0 11	18 16	0 56	20 54	0 15	21 29	1 13	1 0	0 41	13 16	1 46	6 22	13 25	3 48	3 52	8 51	11 15	0 8
S 16	2 47	27 40	4 53	2 57	3 32	11 1	0 14	18 28	0 56	20 52	0 15	21 30	1 13	1 1	0 41	13 17	1 46	6 22	13 25	3 48	3 54	8 48	11 14	0 8
S 17	2 23	25 19	4 20	2 20	3 20	11 29	0 18	18 39	0 57	20 51	0 15	21 30	1 13	1 3	0 41	13 17	1 46	6 21	13 25	3 47	3 55	8 45	11 13	0 8
M18	2 0	21 54	3 37	1 42	3 6	11 58	0 21	18 51	0 57	20 49	0 15	21 31	1 13	1 4	0 41	13 18	1 46	6 21	13 25	3 47	3 56	8 41	11 12	0 8
T 19	1 37	17 37	2 44	1 1	2 50	12 26	0 24	19 2	0 58	20 47	0 16	21 31	1 12	1 6	0 41	13 18	1 45	6 21	13 25	3 47	3 57	8 38	11 11	0 8
W20	1 13	12 41	1 45	0 19	2 32	12 54	0 28	19 14	0 58	20 45	0 16	21 32	1 12	1 7	0 41	13 19	1 45	6 21	13 26	3 47	3 59	8 35	11 10	0 8
T 21	0 50	7 19	0 41	0n22	2 14	13 22	0 31	19 25	0 59	20 43	0 16	21 32	1 12	1 9	0 41	13 19	1 45	6 20	13 26	3 47	4 0	8 31	11 9	0 8
F 22	0 26	1 41	0s24	1 3	1 54	13 49	0 34	19 36	0 59	20 41	0 16	21 33	1 12	1 10	0 41	13 20	1 45	6 20	13 26	3 47	4 1	8 28	11 8	0 9
S 23	0 3	4s 2	1 29	1 42	1 34	14 16	0 38	19 47	1 0	20 40	0 16	21 33	1 12	1 12	0 41	13 21	1 45	6 20	13 26	3 47	4 2	8 25	11 7	0 9
S 24	0s21	9 40	2 30	2 18	1 14	14 43	0 41	19 58	1 0	20 38	0 16	21 34	1 12	1 13	0 41	13 21	1 45	6 19	13 27	3 47	4 4	8 21	11 6	0 9
M25	0 44	15 0	3 26	2 51	0 54	15 10	0 44	20 9	1 1	20 36	0 16	21 34	1 11	1 15	0 40	13 22	1 45	6 19	13 27	3 48	4 5	8 18	11 5	0 9
T 26	1 8	19 49	4 12	3 20	0 34	15 36	0 48	20 19	1 1	20 34	0 17	21 35	1 11	1 16	0 40	13 22	1 45	6 19	13 27	3 48	4 6	8 15	11 4	0 9
W27	1 31	23 51	4 47	3 44	0 15	16 2	0 51	20 30	1 2	20 32	0 17	21 35	1 11	1 18	0 40	13 23	1 45	6 18	13 27	3 49	4 7	8 11	11 3	0 9
T 28	1 55	26 50	5 9	4 3	0n 3	16 27	0 55	20 40	1 2	20 31	0 17	21 36	1 11	1 19	0 40	13 24	1 45	6 18	13 27	3 50	4 9	8 8	11 2	0 9
F 29	2 18	28 28	5 16	4 17	0 20	16 52	0 58	20 50	1 3	20 29	0 17	21 36	1 11	1 21	0 40	13 24	1 45	6 18	13 28	3 50	4 10	8 5	11 1	0 9
S 30	2s42	28s31	5s 6	4n26	0n36	17s17	1s 1	21s 0	1s 3	20n27	0n17	21s37	1n10	1s23	0n40	13s25	1n45	6n17	13s28	3s51	4s11	8n 1	11n 0	0s 9

Julian Day Number = 2318109.5, Delta T = 54.33 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'28, Lahiri = 18°45'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

OCTOBER 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 38 45	7♎45'24	18♉24	20♍38	15♏58	29♏41	0♌14	16♐22	5♎ 4	10♏47	26°R26	20♓20	19♓24	11♍24	28°R59	S 1
M 2	0 42 41	8°44'37	2♒27	21°12	17° 9	0♐24	0°22	16°26	5° 8	10°49	26♉25	20°21	19°21	11°31	28♈56	M 2
T 3	0 46 38	9°43'51	16°51	21°55	18°21	1° 7	0°30	16°30	5°12	10°51	26°25	20°22	19°17	11°38	28°53	T 3
W 4	0 50 35	10°43'07	1♓33	22°47	19°32	1°50	0°38	16°34	5°16	10°53	26°24	20°23	19°14	11°44	28°51	W 4
T 5	0 54 31	11°42'25	16°28	23°46	20°43	2°32	0°46	16°38	5°19	10°55	26°23	20°R24	19°11	11°51	28°48	T 5
F 6	0 58 28	12°41'45	1♈30	24°52	21°55	3°16	0°54	16°42	5°23	10°57	26°22	20°23	19° 8	11°58	28°45	F 6
S 7	1 2 24	13°41'07	16°30	26° 4	23° 6	3°59	1° 2	16°47	5°27	10°59	26°22	20°22	19° 5	12° 4	28°42	S 7
S 8	1 6 21	14°40'31	1♉20	27°21	24°17	4°42	1°10	16°51	5°31	11° 1	26°21	20°19	19° 2	12°11	28°39	S 8
M 9	1 10 17	15°39'57	15°51	28°43	25°28	5°25	1°17	16°56	5°34	11° 3	26°20	20°16	18°58	12°18	28°37	M 9
T 10	1 14 14	16°39'26	29°58	0♎ 9	26°39	6° 8	1°24	17° 0	5°38	11° 5	26°19	20°12	18°55	12°24	28°34	T 10
W11	1 18 10	17°38'57	13♊38	1°38	27°50	6°52	1°32	17° 5	5°42	11° 7	26°18	20° 8	18°52	12°31	28°31	W11
T 12	1 22 7	18°38'30	26°52	3°10	29° 1	7°35	1°39	17° 9	5°46	11° 9	26°18	20° 6	18°49	12°37	28°28	T 12
F 13	1 26 4	19°38'05	9♋39	4°45	0♐12	8°19	1°46	17°14	5°49	11°11	26°17	20° 4	18°46	12°44	28°25	F 13
S 14	1 30 0	20°37'43	22° 6	6°21	1°23	9° 3	1°52	17°19	5°53	11°13	26°16	20°D 3	18°42	12°51	28°22	S 14
S 15	1 33 57	21°37'23	4♌15	7°58	2°33	9°46	1°59	17°24	5°57	11°16	26°15	20° 4	18°39	12°57	28°19	S 15
M16	1 37 53	22°37'05	16°11	9°37	3°44	10°30	2° 5	17°29	6° 0	11°18	26°14	20° 5	18°36	13° 4	28°16	M16
T 17	1 41 50	23°36'50	28° 1	11°17	4°55	11°14	2°12	17°34	6° 4	11°20	26°13	20° 7	18°33	13°11	28°13	T 17
W18	1 45 46	24°36'36	9♍47	12°57	6° 5	11°58	2°18	17°39	6° 8	11°22	26°12	20° 9	18°30	13°17	28°10	W18
T 19	1 49 43	25°36'25	21°35	14°38	7°16	12°42	2°24	17°44	6°11	11°24	26°11	20°R 9	18°27	13°24	28° 7	T 19
F 20	1 53 39	26°36'16	3♎28	16°18	8°26	13°26	2°30	17°49	6°15	11°26	26°10	20° 8	18°23	13°31	28° 4	F 20
S 21	1 57 36	27°36'09	15°29	17°59	9°37	14°11	2°35	17°54	6°19	11°29	26° 9	20° 5	18°20	13°37	28° 1	S 21
S 22	2 1 33	28°36'04	27°40	19°40	10°47	14°55	2°41	18° 0	6°22	11°31	26° 8	20° 1	18°17	13°44	27°58	S 22
M23	2 5 29	29°36'01	10♏ 3	21°21	11°57	15°39	2°46	18° 5	6°26	11°33	26° 7	19°54	18°14	13°51	27°55	M23
T 24	2 9 26	0♏36'00	22°37	23° 2	13° 7	16°24	2°51	18°11	6°29	11°35	26° 6	19°47	18°11	13°57	27°53	T 24
W25	2 13 22	1°36'00	5♐24	24°42	14°17	17° 8	2°56	18°16	6°33	11°37	26° 5	19°40	18° 8	14° 4	27°50	W25
T 26	2 17 19	2°36'03	18°24	26°23	15°27	17°53	3° 1	18°22	6°36	11°40	26° 4	19°32	18° 4	14°11	27°47	T 26
F 27	2 21 15	3°36'07	1♉37	28° 2	16°37	18°37	3° 6	18°27	6°40	11°42	26° 3	19°27	18° 1	14°17	27°44	F 27
S 28	2 25 12	4°36'13	15° 2	29°42	17°47	19°22	3°10	18°33	6°43	11°44	26° 2	19°23	17°58	14°24	27°41	S 28
S 29	2 29 8	5°36'21	28°42	1♏21	18°57	20° 7	3°15	18°39	6°47	11°46	26° 1	19°21	17°55	14°30	27°38	S 29
M30	2 33 5	6°36'30	12♒35	3° 0	20° 6	20°52	3°19	18°45	6°50	11°49	26° 0	19°D21	17°52	14°37	27°35	M30
T 31	2 37 2	7♏36'40	26♒42	4♏38	21♐16	21♐37	3♌23	18♐50	6♎54	11♏51	25♉59	19♓22	17♓48	14♍44	27♈32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s 5	26s50	4s39	4n30	0n50	17s41	1s 5	21s 9	1s 3	20n26	0n17	21s37	1n10	1s24	0n40	13s26	1n45	6n17	13s28	3s50	4s12	7n58	10n59	0s 9
M 2	3 28	23 28	3 55	4 28	1 4	18 5	1 8	21 19	1 4	20 24	0 18	21 38	1 10	1 26	0 40	13 26	1 45	6 17	13 28	3 50	4 14	7 55	10 58	0 9
T 3	3 52	18 36	2 55	4 22	1 15	18 28	1 11	21 28	1 4	20 22	0 18	21 39	1 10	1 27	0 40	13 27	1 45	6 16	13 28	3 50	4 15	7 51	10 57	0 10
W 4	4 15	12 32	1 42	4 11	1 25	18 51	1 15	21 37	1 5	20 21	0 18	21 39	1 10	1 29	0 40	13 27	1 45	6 16	13 28	3 49	4 16	7 48	10 56	0 10
T 5	4 38	5 41	0 22	3 55	1 34	19 14	1 18	21 46	1 5	20 19	0 18	21 40	1 10	1 30	0 40	13 28	1 45	6 16	13 29	3 49	4 17	7 44	10 55	0 10
F 6	5 2	1n32	1n 1	3 36	1 41	19 36	1 21	21 55	1 5	20 18	0 18	21 40	1 9	1 32	0 40	13 29	1 45	6 15	13 29	3 49	4 19	7 41	10 54	0 10
S 7	5 25	8 38	2 19	3 13	1 47	19 57	1 25	22 4	1 6	20 16	0 18	21 41	1 9	1 33	0 40	13 29	1 45	6 15	13 29	3 49	4 20	7 38	10 53	0 10
S 8	5 48	15 11	3 27	2 46	1 52	20 18	1 28	22 12	1 6	20 15	0 18	21 42	1 9	1 34	0 40	13 30	1 45	6 15	13 29	3 50	4 21	7 34	10 52	0 10
M 9	6 11	20 45	4 19	2 17	1 56	20 39	1 31	22 20	1 6	20 13	0 19	21 42	1 9	1 36	0 40	13 31	1 45	6 14	13 29	3 52	4 22	7 31	10 51	0 10
T 10	6 34	24 59	4 55	1 45	1 58	20 59	1 34	22 28	1 7	20 12	0 19	21 43	1 9	1 37	0 40	13 31	1 45	6 14	13 29	3 53	4 24	7 28	10 50	0 10
W11	6 56	27 39	5 12	1 11	2 0	21 18	1 38	22 36	1 7	20 10	0 19	21 43	1 9	1 39	0 40	13 32	1 45	6 14	13 30	3 55	4 25	7 24	10 49	0 10
T 12	7 19	28 39	5 12	0 35	2 1	21 37	1 41	22 44	1 8	20 9	0 19	21 44	1 8	1 40	0 40	13 33	1 45	6 13	13 30	3 56	4 26	7 21	10 47	0 10
F 13	7 42	28 3	4 56	0s 3	2 0	21 55	1 44	22 51	1 8	20 7	0 19	21 45	1 8	1 42	0 41	13 33	1 45	6 13	13 30	3 57	4 27	7 18	10 46	0 10
S 14	8 4	26 3	4 26	0 42	1 59	22 13	1 47	22 59	1 8	20 6	0 19	21 45	1 8	1 43	0 41	13 34	1 45	6 13	13 30	3 57	4 29	7 14	10 45	0 11
S 15	8 27	22 53	3 45	1 22	1 58	22 31	1 50	23 5	1 9	20 5	0 20	21 46	1 8	1 45	0 41	13 35	1 45	6 12	13 30	3 57	4 30	7 11	10 44	0 11
M16	8 49	18 48	2 55	2 3	1 55	22 47	1 53	23 12	1 9	20 3	0 20	21 46	1 8	1 46	0 41	13 35	1 45	6 12	13 30	3 56	4 31	7 8	10 43	0 11
T 17	9 11	14 2	1 58	2 45	1 52	23 3	1 56	23 19	1 9	20 2	0 20	21 47	1 8	1 48	0 41	13 36	1 45	6 12	13 30	3 55	4 32	7 4	10 42	0 11
W18	9 33	8 47	0 56	3 27	1 49	23 19	1 59	23 25	1 9	20 1	0 20	21 48	1 8	1 49	0 41	13 37	1 45	6 11	13 30	3 55	4 34	7 1	10 41	0 11
T 19	9 55	3 13	0s 8	4 10	1 45	23 34	2 1	23 31	1 10	20 0	0 20	21 48	1 7	1 51	0 41	13 38	1 45	6 11	13 31	3 54	4 35	6 57	10 39	0 11
F 20	10 17	2s29	1 12	4 53	1 40	23 48	2 4	23 37	1 10	19 59	0 20	21 49	1 7	1 52	0 41	13 38	1 45	6 11	13 31	3 55	4 36	6 54	10 38	0 11
S 21	10 39	8 10	2 14	5 36	1 36	24 2	2 7	23 43	1 10	19 57	0 21	21 49	1 7	1 53	0 41	13 39	1 45	6 10	13 31	3 56	4 37	6 51	10 37	0 11
S 22	11 0	13 37	3 10	6 19	1 31	24 15	2 10	23 48	1 11	19 56	0 21	21 50	1 7	1 55	0 41	13 40	1 45	6 10	13 31	3 58	4 39	6 47	10 36	0 11
M23	11 21	18 37	3 58	7 2	1 25	24 27	2 12	23 53	1 11	19 55	0 21	21 51	1 7	1 56	0 41	13 40	1 45	6 10	13 31	4 0	4 40	6 44	10 35	0 11
T 24	11 42	22 54	4 35	7 44	1 20	24 39	2 15	23 58	1 11	19 54	0 21	21 51	1 7	1 58	0 41	13 41	1 45	6 10	13 31	4 3	4 41	6 41	10 34	0 11
W25	12 3	26 9	5 0	8 27	1 14	24 50	2 17	24 3	1 11	19 53	0 21	21 52	1 7	1 59	0 41	13 42	1 45	6 9	13 31	4 6	4 42	6 37	10 33	0 12
T 26	12 24	28 7	5 9	9 9	1 8	25 0	2 20	24 7	1 12	19 52	0 21	21 53	1 6	2 0	0 41	13 42	1 45	6 9	13 31	4 9	4 44	6 34	10 31	0 12
F 27	12 45	28 31	5 2	9 50	1 2	25 10	2 22	24 12	1 12	19 51	0 22	21 53	1 6	2 2	0 41	13 43	1 45	6 9	13 31	4 11	4 45	6 30	10 30	0 12
S 28	13 5	27 15	4 39	10 31	0 55	25 19	2 24	24 15	1 12	19 51	0 22	21 54	1 6	2 3	0 41	13 44	1 45	6 8	13 31	4 13	4 46	6 27	10 29	0 12
S 29	13 25	24 22	3 59	11 12	0 49	25 28	2 26	24 19	1 12	19 50	0 22	21 54	1 6	2 4	0 41	13 44	1 45	6 8	13 32	4 13	4 47	6 24	10 28	0 12
M30	13 45	20 2	3 5	11 52	0 43	25 35	2 28	24 23	1 12	19 49	0 22	21 55	1 6	2 6	0 41	13 45	1 45	6 8	13 32	4 13	4 48	6 20	10 27	0 12
T 31	14s 5	14s30	1s59	12s32	0n36	25s42	2s31	24s26	1s13	19n48	0n22	21s56	1n 6	2s 7	0n41	13s46	1n45	6n 7	13s32	4s13	4s50	6n17	10n26	0s12

Julian Day Number = 2318139.5, Delta T = 54.26 sec
Ecliptic obliquity = 23°29'22, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'32, Lahiri = 18°45'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1634
geocentric

NOVEMBER 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 40 58	8♏36'52	11♓ 3	6♏16	22♐25	22♐22	3♌27	18♐56	6♎57	11♏53	25°R58	19♓23	17♓45	14♍50	27°R29	W 1
T 2	2 44 55	9°37'05	25°34	7°53	23°34	23° 7	3°30	19° 2	7° 0	11°55	25♉57	19°R23	17°42	14°57	27♈26	T 2
F 3	2 48 51	10°37'20	10♈12	9°31	24°44	23°52	3°34	19° 8	7° 4	11°58	25°56	19°21	17°39	15° 4	27°23	F 3
S 4	2 52 48	11°37'37	24°52	11° 7	25°53	24°37	3°37	19°14	7° 7	12° 0	25°55	19°17	17°36	15°10	27°20	S 4
S 5	2 56 44	12°37'55	9♉27	12°44	27° 2	25°22	3°40	19°20	7°10	12° 2	25°54	19°11	17°33	15°17	27°18	S 5
M 6	3 0 41	13°38'15	23°49	14°20	28°10	26° 7	3°43	19°27	7°13	12° 4	25°53	19° 2	17°29	15°24	27°15	M 6
T 7	3 4 37	14°38'37	7♊53	15°56	29°19	26°53	3°45	19°33	7°17	12° 7	25°52	18°53	17°26	15°30	27°12	T 7
W 8	3 8 34	15°39'00	21°34	17°31	0♋28	27°38	3°48	19°39	7°20	12° 9	25°50	18°43	17°23	15°37	27° 9	W 8
T 9	3 12 31	16°39'26	4♌50	19° 6	1°36	28°23	3°50	19°45	7°23	12°11	25°49	18°35	17°20	15°44	27° 6	T 9
F 10	3 16 27	17°39'53	17°41	20°41	2°44	29° 9	3°52	19°52	7°26	12°13	25°48	18°28	17°17	15°50	27° 4	F 10
S 11	3 20 24	18°40'22	0♍10	22°16	3°53	29°54	3°54	19°58	7°29	12°16	25°47	18°24	17°14	15°57	27° 1	S 11
S 12	3 24 20	19°40'53	12°20	23°50	5° 1	0♋40	3°56	20° 4	7°32	12°18	25°46	18°22	17°10	16° 3	26°58	S 12
M13	3 28 17	20°41'26	24°18	25°24	6° 9	1°26	3°58	20°11	7°35	12°20	25°45	18°D22	17° 7	16°10	26°56	M13
T 14	3 32 13	21°42'00	6♎ 7	26°58	7°16	2°11	3°59	20°17	7°38	12°22	25°44	18°23	17° 4	16°17	26°53	T 14
W15	3 36 10	22°42'36	17°54	28°31	8°24	2°57	4° 0	20°24	7°41	12°25	25°43	18°R23	17° 1	16°23	26°50	W15
T 16	3 40 6	23°43'14	29°44	0♐ 5	9°31	3°43	4° 1	20°30	7°44	12°27	25°41	18°22	16°58	16°30	26°48	T 16
F 17	3 44 3	24°43'54	11♎41	1°38	10°38	4°29	4° 2	20°37	7°47	12°29	25°40	18°20	16°54	16°37	26°45	F 17
S 18	3 48 0	25°44'35	23°50	3°11	11°46	5°15	4° 3	20°43	7°50	12°31	25°39	18°14	16°51	16°43	26°43	S 18
S 19	3 51 56	26°45'18	6♏13	4°44	12°52	6° 1	4° 3	20°50	7°53	12°33	25°38	18° 6	16°48	16°50	26°40	S 19
M20	3 55 53	27°46'02	18°51	6°17	13°59	6°47	4°R 3	20°57	7°56	12°36	25°37	17°55	16°45	16°57	26°38	M20
T 21	3 59 49	28°46'48	1♐46	7°50	15° 6	7°33	4° 3	21° 3	7°58	12°38	25°36	17°43	16°42	17° 3	26°35	T 21
W22	4 3 46	29°47'35	14°56	9°22	16°12	8°19	4° 3	21°10	8° 1	12°40	25°35	17°30	16°39	17°10	26°33	W22
T 23	4 7 42	0♐48'23	28°19	10°55	17°18	9° 5	4° 2	21°17	8° 4	12°42	25°34	17°18	16°35	17°17	26°31	T 23
F 24	4 11 39	1°49'12	11♋54	12°27	18°24	9°52	4° 2	21°24	8° 6	12°44	25°32	17° 8	16°32	17°23	26°28	F 24
S 25	4 15 35	2°50'03	25°37	13°59	19°30	10°38	4° 1	21°30	8° 9	12°46	25°31	17° 0	16°29	17°30	26°26	S 25
S 26	4 19 32	3°50'54	9♒28	15°31	20°35	11°24	4° 0	21°37	8°11	12°49	25°30	16°56	16°26	17°37	26°24	S 26
M27	4 23 29	4°51'47	23°24	17° 3	21°40	12°11	3°59	21°44	8°14	12°51	25°29	16°54	16°23	17°43	26°22	M27
T 28	4 27 25	5°52'40	7♓25	18°34	22°45	12°57	3°57	21°51	8°16	12°53	25°28	16°D53	16°20	17°50	26°20	T 28
W29	4 31 22	6°53'33	21°32	20° 6	23°50	13°43	3°56	21°58	8°19	12°55	25°27	16°R53	16°16	17°56	26°17	W29
T 30	4 35 18	7♐54'28	5♈42	21♐37	24♋54	14♋30	3♌54	22♐ 5	8♎21	12♏57	25♉26	16♓52	16♓13	18♍ 3	26♈15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s24	8s 8	0s45	13s11	0n29	25s48	2s32	24s29	1s13	19n47	0n23	21s56	1n 6	2s 8	0n41	13s47	1n45	6n 7	13s32	4s13	4s51	6n13	10n25	0s12
T 2	14 43	1 15	0n33	13 49	0 23	25 54	2 34	24 31	1 13	19 47	0 23	21 57	1 5	2 10	0 41	13 47	1 45	6 7	13 32	4 13	4 52	6 10	10 24	0 12
F 3	15 2	5n44	1 50	14 26	0 16	25 59	2 36	24 34	1 13	19 46	0 23	21 58	1 5	2 11	0 41	13 48	1 45	6 7	13 32	4 13	4 53	6 7	10 22	0 12
S 4	15 21	12 25	2 59	15 3	0 9	26 3	2 38	24 36	1 13	19 46	0 23	21 58	1 5	2 12	0 41	13 49	1 45	6 6	13 32	4 15	4 55	6 3	10 21	0 12
S 5	15 40	18 23	3 56	15 39	0 2	26 7	2 39	24 38	1 13	19 45	0 23	21 59	1 5	2 14	0 41	13 49	1 45	6 6	13 32	4 18	4 56	6 0	10 20	0 12
M 6	15 58	23 14	4 37	16 14	0s 4	26 9	2 41	24 39	1 14	19 45	0 23	21 59	1 5	2 15	0 41	13 50	1 45	6 6	13 32	4 21	4 57	5 57	10 19	0 13
T 7	16 16	26 36	5 0	16 49	0 11	26 11	2 42	24 41	1 14	19 44	0 24	22 0	1 5	2 16	0 41	13 51	1 45	6 5	13 32	4 25	4 58	5 53	10 18	0 13
W 8	16 34	28 18	5 5	17 22	0 18	26 13	2 43	24 42	1 14	19 44	0 24	22 1	1 5	2 17	0 41	13 51	1 45	6 5	13 32	4 28	5 0	5 50	10 17	0 13
T 9	16 51	28 17	4 53	17 55	0 24	26 13	2 45	24 43	1 14	19 43	0 24	22 1	1 5	2 19	0 41	13 52	1 45	6 5	13 32	4 32	5 1	5 46	10 16	0 13
F 10	17 8	26 44	4 27	18 27	0 31	26 13	2 46	24 43	1 14	19 43	0 24	22 2	1 4	2 20	0 41	13 53	1 45	6 5	13 32	4 34	5 2	5 43	10 15	0 13
S 11	17 25	23 53	3 49	18 58	0 37	26 12	2 47	24 44	1 14	19 43	0 24	22 2	1 4	2 21	0 41	13 53	1 45	6 4	13 32	4 36	5 3	5 40	10 14	0 13
S 12	17 42	20 1	3 0	19 28	0 43	26 11	2 47	24 44	1 14	19 43	0 25	22 3	1 4	2 22	0 41	13 54	1 45	6 4	13 32	4 37	5 5	5 36	10 13	0 13
M13	17 58	15 25	2 5	19 57	0 50	26 9	2 48	24 43	1 14	19 42	0 25	22 4	1 4	2 23	0 41	13 55	1 45	6 4	13 32	4 37	5 6	5 33	10 12	0 13
T 14	18 14	10 18	1 5	20 26	0 56	26 6	2 49	24 43	1 14	19 42	0 25	22 4	1 4	2 25	0 41	13 55	1 45	6 4	13 32	4 36	5 7	5 29	10 11	0 13
W15	18 29	4 50	0 3	20 53	1 2	26 2	2 49	24 42	1 15	19 42	0 25	22 5	1 4	2 26	0 41	13 56	1 45	6 3	13 32	4 36	5 8	5 26	10 10	0 13
T 16	18 45	0s49	1s 0	21 19	1 8	25 58	2 50	24 41	1 15	19 42	0 25	22 5	1 4	2 27	0 41	13 57	1 45	6 3	13 32	4 36	5 10	5 23	10 9	0 13
F 17	18 59	6 29	2 1	21 44	1 14	25 53	2 50	24 39	1 15	19 42	0 26	22 6	1 4	2 28	0 41	13 57	1 45	6 3	13 32	4 38	5 11	5 19	10 8	0 13
S 18	19 14	12 0	2 57	22 8	1 19	25 47	2 50	24 38	1 15	19 42	0 26	22 6	1 4	2 29	0 41	13 58	1 45	6 3	13 32	4 40	5 12	5 16	10 7	0 14
S 19	19 28	17 10	3 46	22 31	1 25	25 41	2 50	24 36	1 15	19 42	0 26	22 7	1 4	2 30	0 41	13 59	1 45	6 3	13 32	4 43	5 13	5 12	10 6	0 14
M20	19 42	21 42	4 24	22 53	1 30	25 34	2 50	24 34	1 15	19 42	0 26	22 7	1 3	2 31	0 41	13 59	1 45	6 2	13 32	4 47	5 15	5 9	10 5	0 14
T 21	19 56	25 17	4 50	23 13	1 35	25 26	2 50	24 31	1 15	19 43	0 26	22 8	1 3	2 32	0 41	14 0	1 45	6 2	13 32	4 52	5 16	5 6	10 4	0 14
W22	20 9	27 37	5 1	23 33	1 40	25 18	2 49	24 28	1 15	19 43	0 27	22 9	1 3	2 33	0 41	14 1	1 45	6 2	13 32	4 57	5 17	5 2	10 3	0 14
T 23	20 22	28 25	4 56	23 51	1 45	25 9	2 49	24 25	1 15	19 43	0 27	22 9	1 3	2 34	0 41	14 1	1 45	6 2	13 32	5 2	5 18	4 59	10 2	0 14
F 24	20 34	27 30	4 34	24 8	1 49	25 0	2 48	24 22	1 15	19 43	0 27	22 10	1 3	2 35	0 41	14 2	1 45	6 2	13 32	5 6	5 19	4 55	10 1	0 14
S 25	20 46	24 56	3 56	24 24	1 53	24 49	2 47	24 18	1 15	19 44	0 27	22 10	1 3	2 36	0 41	14 2	1 45	6 1	13 32	5 8	5 21	4 52	10 0	0 14
S 26	20 58	20 53	3 4	24 39	1 57	24 39	2 46	24 14	1 15	19 44	0 27	22 11	1 3	2 37	0 41	14 3	1 45	6 1	13 32	5 10	5 22	4 49	9 59	0 14
M27	21 9	15 39	2 1	24 52	2 1	24 27	2 45	24 10	1 15	19 45	0 28	22 11	1 3	2 38	0 41	14 4	1 45	6 1	13 31	5 11	5 23	4 45	9 58	0 14
T 28	21 20	9 34	0 50	25 4	2 4	24 15	2 44	24 6	1 15	19 45	0 28	22 12	1 3	2 39	0 41	14 4	1 45	6 1	13 31	5 11	5 24	4 42	9 57	0 14
W29	21 30	2 59	0n25	25 14	2 7	24 3	2 42	24 1	1 15	19 46	0 28	22 12	1 3	2 40	0 41	14 5	1 45	6 1	13 31	5 11	5 26	4 38	9 57	0 14
T 30	21s40	3n46	1n38	25s23	2s10	23s50	2s41	23s56	1s15	19n46	0n28	22s13	1n 2	2s41	0n41	14s 6	1n45	6n 1	13s31	5s12	5s27	4n35	9n56	0s14

Julian Day Number = 2318170.5, Delta T = 54.20 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'37, Lahiri = 18°45'37Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1634
geocentric

DECEMBER 1634 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 39 15	8♐55'23	19♈55	23♐ 8	25♉59	15♉16	3°R52	22♐12	8♎23	12♏59	25°R25	16°R49	16♓10	18♍10	26°R13	F 1
S 2	4 43 11	9°56'19	4♉ 7	24°38	27° 2	16° 3	3♌50	22°19	8°26	13° 1	25♉24	16♓43	16° 7	18°16	26♈11	S 2
S 3	4 47 8	10°57'16	18°15	26° 8	28° 6	16°49	3°47	22°26	8°28	13° 3	25°22	16°34	16° 4	18°23	26°10	S 3
M 4	4 51 4	11°58'14	2♊15	27°38	29° 9	17°36	3°45	22°33	8°30	13° 5	25°21	16°23	16° 0	18°30	26° 8	M 4
T 5	4 55 1	12°59'12	16° 2	29° 7	0♒12	18°23	3°42	22°40	8°32	13° 7	25°20	16°10	15°57	18°36	26° 6	T 5
W 6	4 58 58	14° 0'12	29°30	0♋36	1°15	19° 9	3°39	22°47	8°34	13° 9	25°19	15°56	15°54	18°43	26° 4	W 6
T 7	5 2 54	15° 1'12	12♋39	2° 3	2°17	19°56	3°36	22°54	8°36	13°11	25°18	15°44	15°51	18°50	26° 2	T 7
F 8	5 6 51	16° 2'13	25°27	3°30	3°19	20°43	3°33	23° 1	8°38	13°13	25°17	15°34	15°48	18°56	26° 1	F 8
S 9	5 10 47	17° 3'16	7♌56	4°56	4°20	21°30	3°29	23° 8	8°40	13°15	25°16	15°27	15°45	19° 3	25°59	S 9
S 10	5 14 44	18° 4'19	20° 7	6°20	5°21	22°17	3°25	23°15	8°42	13°17	25°15	15°23	15°41	19°10	25°58	S 10
M11	5 18 40	19° 5'23	2♍ 5	7°43	6°22	23° 3	3°22	23°22	8°44	13°19	25°14	15°21	15°38	19°16	25°56	M11
T 12	5 22 37	20° 6'28	13°55	9° 4	7°22	23°50	3°17	23°29	8°46	13°21	25°13	15°20	15°35	19°23	25°55	T 12
W13	5 26 34	21° 7'34	25°42	10°23	8°22	24°37	3°13	23°36	8°48	13°23	25°12	15°20	15°32	19°29	25°53	W13
T 14	5 30 30	22° 8'40	7♎33	11°40	9°22	25°24	3° 9	23°43	8°49	13°25	25°11	15°20	15°29	19°36	25°52	T 14
F 15	5 34 27	23° 9'48	19°31	12°53	10°21	26°11	3° 4	23°50	8°51	13°27	25°10	15°17	15°26	19°43	25°51	F 15
S 16	5 38 23	24°10'56	1♏44	14° 3	11°19	26°58	2°59	23°57	8°53	13°28	25° 9	15°12	15°22	19°49	25°49	S 16
S 17	5 42 20	25°12'05	14°13	15°10	12°17	27°45	2°54	24° 4	8°54	13°30	25° 8	15° 4	15°19	19°56	25°48	S 17
M18	5 46 16	26°13'14	27° 3	16°11	13°15	28°32	2°49	24°11	8°56	13°32	25° 7	14°54	15°16	20° 3	25°47	M18
T 19	5 50 13	27°14'24	10♐14	17° 7	14°12	29°19	2°44	24°18	8°57	13°34	25° 6	14°41	15°13	20° 9	25°46	T 19
W20	5 54 9	28°15'35	23°45	17°57	15° 8	0♒ 6	2°39	24°25	8°59	13°36	25° 5	14°28	15°10	20°16	25°45	W20
T 21	5 58 6	29°16'46	7♑33	18°41	16° 4	0°53	2°33	24°32	9° 0	13°37	25° 4	14°16	15° 6	20°23	25°44	T 21
F 22	6 2 3	0♑17'57	21°35	19°16	16°59	1°41	2°27	24°39	9° 1	13°39	25° 3	14° 5	15° 3	20°29	25°43	F 22
S 23	6 5 59	1°19'09	5♒45	19°43	17°54	2°28	2°21	24°46	9° 2	13°41	25° 3	13°57	15° 0	20°36	25°42	S 23
S 24	6 9 56	2°20'20	19°59	20° 0	18°48	3°15	2°15	24°53	9° 4	13°42	25° 2	13°53	14°57	20°43	25°42	S 24
M25	6 13 52	3°21'31	4♓12	20°R 7	19°41	4° 2	2° 9	25° 0	9° 5	13°44	25° 1	13°51	14°54	20°49	25°41	M25
T 26	6 17 49	4°22'42	18°24	20° 2	20°34	4°49	2° 3	25° 7	9° 6	13°45	25° 0	13°D50	14°51	20°56	25°40	T 26
W27	6 21 45	5°23'53	2♈30	19°46	21°25	5°37	1°57	25°14	9° 7	13°47	24°59	13°R51	14°47	21° 3	25°40	W27
T 28	6 25 42	6°25'03	16°32	19°18	22°17	6°24	1°50	25°21	9° 8	13°49	24°58	13°50	14°44	21° 9	25°39	T 28
F 29	6 29 38	7°26'13	0♉28	18°39	23° 7	7°11	1°43	25°28	9° 9	13°50	24°57	13°48	14°41	21°16	25°39	F 29
S 30	6 33 35	8°27'23	14°17	17°48	23°56	7°58	1°36	25°35	9° 9	13°52	24°57	13°43	14°38	21°22	25°38	S 30
S 31	6 37 32	9♉28'33	27♉59	16♉47	24♒45	8♒46	1♌30	25♐42	9♎10	13♏53	24♉56	13♓36	14♓35	21♍29	25♈38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s50	10n21	2n45	25s31	2s13	23s36	2s39	23s51	1s15	19n47	0n28	22s13	1n 2	2s42	0n41	14s 6	1n45	6n 0	13s31	5s13	5s28	4n31	9n55	0s15
S 2	21 59	16 24	3 42	25 37	2 15	23 22	2 37	23 45	1 15	19 48	0 29	22 14	1 2	2 43	0 41	14 7	1 45	6 0	13 31	5 15	5 29	4 28	9 54	0 15
S 3	22 8	21 32	4 25	25 42	2 16	23 7	2 35	23 40	1 15	19 49	0 29	22 14	1 2	2 44	0 41	14 7	1 45	6 0	13 31	5 19	5 31	4 25	9 53	0 15
M 4	22 16	25 24	4 51	25 46	2 18	22 52	2 33	23 34	1 14	19 49	0 29	22 15	1 2	2 45	0 41	14 8	1 45	6 0	13 31	5 23	5 32	4 21	9 53	0 15
T 5	22 24	27 44	5 0	25 47	2 18	22 36	2 30	23 27	1 14	19 50	0 29	22 15	1 2	2 45	0 41	14 9	1 45	6 0	13 31	5 28	5 33	4 18	9 52	0 15
W 6	22 32	28 21	4 52	25 48	2 19	22 20	2 28	23 21	1 14	19 51	0 29	22 16	1 2	2 46	0 42	14 9	1 45	6 0	13 31	5 33	5 34	4 14	9 51	0 15
T 7	22 39	27 20	4 28	25 47	2 18	22 3	2 25	23 14	1 14	19 52	0 30	22 16	1 2	2 47	0 42	14 10	1 45	6 0	13 30	5 38	5 36	4 11	9 51	0 15
F 8	22 45	24 53	3 51	25 44	2 18	21 46	2 22	23 7	1 14	19 53	0 30	22 17	1 2	2 48	0 42	14 10	1 45	6 0	13 30	5 42	5 37	4 8	9 50	0 15
S 9	22 51	21 17	3 4	25 40	2 16	21 28	2 19	22 59	1 14	19 54	0 30	22 17	1 2	2 48	0 42	14 11	1 45	5 59	13 30	5 45	5 38	4 4	9 49	0 15
S 10	22 57	16 51	2 9	25 34	2 14	21 10	2 16	22 51	1 14	19 55	0 30	22 17	1 2	2 49	0 42	14 11	1 45	5 59	13 30	5 46	5 39	4 1	9 49	0 15
M11	23 2	11 50	1 10	25 27	2 12	20 51	2 12	22 44	1 14	19 56	0 30	22 18	1 2	2 50	0 42	14 12	1 45	5 59	13 30	5 47	5 40	3 57	9 48	0 15
T 12	23 7	6 27	0 8	25 19	2 8	20 33	2 9	22 35	1 14	19 57	0 31	22 18	1 2	2 51	0 42	14 12	1 45	5 59	13 30	5 47	5 42	3 54	9 47	0 15
W13	23 11	0 53	0s55	25 9	2 4	20 13	2 5	22 27	1 13	19 59	0 31	22 19	1 1	2 51	0 42	14 13	1 45	5 59	13 30	5 47	5 43	3 50	9 47	0 15
T 14	23 15	4s45	1 55	24 57	1 59	19 54	2 1	22 18	1 13	20 0	0 31	22 19	1 1	2 52	0 42	14 13	1 45	5 59	13 29	5 48	5 44	3 47	9 46	0 16
F 15	23 19	10 17	2 51	24 45	1 53	19 34	1 57	22 9	1 13	20 1	0 31	22 19	1 1	2 53	0 42	14 14	1 45	5 59	13 29	5 49	5 45	3 44	9 46	0 16
S 16	23 22	15 32	3 39	24 31	1 47	19 13	1 53	22 0	1 13	20 2	0 31	22 20	1 1	2 53	0 42	14 14	1 45	5 59	13 29	5 51	5 47	3 40	9 45	0 16
S 17	23 24	20 15	4 19	24 16	1 39	18 53	1 48	21 51	1 13	20 4	0 32	22 20	1 1	2 54	0 42	14 15	1 45	5 59	13 29	5 54	5 48	3 37	9 45	0 16
M18	23 26	24 11	4 47	24 0	1 30	18 32	1 43	21 41	1 13	20 5	0 32	22 21	1 1	2 54	0 42	14 15	1 45	5 59	13 29	5 58	5 49	3 33	9 44	0 16
T 19	23 28	26 58	5 0	23 43	1 20	18 10	1 38	21 31	1 12	20 6	0 32	22 21	1 1	2 55	0 42	14 16	1 45	5 59	13 29	6 3	5 50	3 30	9 44	0 16
W20	23 29	28 17	4 57	23 26	1 9	17 49	1 33	21 21	1 12	20 8	0 32	22 21	1 1	2 55	0 42	14 16	1 45	5 59	13 28	6 8	5 52	3 26	9 43	0 16
T 21	23 29	27 53	4 37	23 8	0 57	17 27	1 28	21 10	1 12	20 9	0 32	22 22	1 1	2 56	0 42	14 17	1 46	5 59	13 28	6 12	5 53	3 23	9 43	0 16
F 22	23 29	25 42	4 0	22 49	0 44	17 5	1 22	21 0	1 12	20 11	0 32	22 22	1 1	2 56	0 42	14 17	1 46	5 59	13 28	6 16	5 54	3 20	9 43	0 16
S 23	23 29	21 54	3 7	22 31	0 29	16 43	1 16	20 49	1 12	20 12	0 33	22 22	1 1	2 57	0 42	14 18	1 46	5 59	13 28	6 19	5 55	3 16	9 42	0 16
S 24	23 28	16 48	2 3	22 13	0 13	16 20	1 10	20 38	1 11	20 14	0 33	22 23	1 1	2 57	0 42	14 18	1 46	5 59	13 28	6 21	5 56	3 13	9 42	0 16
M25	23 27	10 47	0 51	21 55	0n 4	15 57	1 4	20 26	1 11	20 15	0 33	22 23	1 1	2 58	0 42	14 19	1 46	5 59	13 27	6 22	5 58	3 9	9 42	0 16
T 26	23 25	4 14	0n24	21 38	0 21	15 35	0 58	20 15	1 11	20 17	0 33	22 23	1 1	2 58	0 42	14 19	1 46	5 59	13 27	6 22	5 59	3 6	9 41	0 16
W27	23 23	2n29	1 38	21 22	0 40	15 12	0 51	20 3	1 11	20 19	0 33	22 24	1 1	2 58	0 42	14 20	1 46	5 59	13 27	6 22	6 0	3 3	9 41	0 16
T 28	23 20	9 3	2 45	21 7	0 59	14 48	0 44	19 51	1 10	20 20	0 34	22 24	1 1	2 59	0 42	14 20	1 46	5 59	13 27	6 22	6 1	2 59	9 41	0 17
F 29	23 17	15 7	3 41	20 53	1 19	14 25	0 37	19 39	1 10	20 22	0 34	22 24	1 1	2 59	0 42	14 20	1 46	5 59	13 26	6 23	6 3	2 56	9 41	0 17
S 30	23 13	20 22	4 25	20 41	1 38	14 2	0 29	19 26	1 10	20 24	0 34	22 24	1 1	2 59	0 42	14 21	1 46	5 59	13 26	6 25	6 4	2 52	9 40	0 17
S 31	23s 9	24n30	4n52	20s30	1n57	13s39	0s22	19s14	1s10	20n25	0n34	22s25	1n 0	3s 0	0n42	14s21	1n46	5n59	13s26	6s28	6s 5	2n49	9n40	0s17

Julian Day Number = 2318200.5, Delta T = 54.14 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'41, Lahiri = 18°45'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

JANUARY 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 41 28	10♉29'42	11♊31	15°R38	25♒32	9♒33	1°R23	25♐49	9♎11	13♏55	24°R55	13°R26	14♓32	21♍36	25°R38	M 1
T 2	6 45 25	11°30'51	24°52	14♉23	26°19	10°20	1♌15	25°56	9°12	13°56	24♉54	13♓15	14°28	21°42	25♈37	T 2
W 3	6 49 21	12°32'00	8♋ 0	13° 3	27° 5	11° 7	1° 8	26° 3	9°12	13°57	24°54	13° 3	14°25	21°49	25°37	W 3
T 4	6 53 18	13°33'09	20°52	11°43	27°50	11°55	1° 1	26°10	9°13	13°59	24°53	12°53	14°22	21°56	25°37	T 4
F 5	6 57 14	14°34'17	3♌28	10°24	28°33	12°42	0°53	26°17	9°13	14° 0	24°52	12°44	14°19	22° 2	25°D37	F 5
S 6	7 1 11	15°35'25	15°49	9° 9	29°16	13°29	0°46	26°24	9°14	14° 1	24°52	12°38	14°16	22° 9	25°37	S 6
S 7	7 5 8	16°36'33	27°57	7°59	29°57	14°17	0°38	26°30	9°14	14° 3	24°51	12°35	14°12	22°16	25°37	S 7
M 8	7 9 4	17°37'40	9♍54	6°57	0♓38	15° 4	0°31	26°37	9°15	14° 4	24°50	12°D33	14° 9	22°22	25°37	M 8
T 9	7 13 1	18°38'48	21°43	6° 3	1°17	15°51	0°23	26°44	9°15	14° 5	24°50	12°34	14° 6	22°29	25°37	T 9
W10	7 16 57	19°39'55	3♎30	5°19	1°54	16°39	0°15	26°51	9°15	14° 6	24°49	12°35	14° 3	22°36	25°38	W10
T 11	7 20 54	20°41'02	15°20	4°44	2°31	17°26	0° 8	26°57	9°15	14° 7	24°49	12°R36	14° 0	22°42	25°38	T 11
F 12	7 24 50	21°42'08	27°18	4°18	3° 6	18°13	29♋59	27° 4	9°15	14° 9	24°48	12°36	13°57	22°49	25°38	F 12
S 13	7 28 47	22°43'15	9♏30	4° 3	3°39	19° 1	29°52	27°10	9°15	14°10	24°47	12°34	13°53	22°56	25°39	S 13
S 14	7 32 43	23°44'21	21°59	3°D56	4°12	19°48	29°44	27°17	9°R15	14°11	24°47	12°30	13°50	23° 2	25°39	S 14
M15	7 36 40	24°45'27	4♐51	3°57	4°42	20°35	29°36	27°24	9°15	14°12	24°46	12°24	13°47	23° 9	25°40	M15
T 16	7 40 37	25°46'32	18° 8	4° 7	5°11	21°23	29°28	27°30	9°15	14°13	24°46	12°17	13°44	23°15	25°41	T 16
W17	7 44 33	26°47'37	1♑49	4°23	5°38	22°10	29°20	27°37	9°15	14°14	24°45	12° 9	13°41	23°22	25°41	W17
T 18	7 48 30	27°48'41	15°54	4°47	6° 4	22°57	29°12	27°43	9°15	14°15	24°45	12° 1	13°38	23°29	25°42	T 18
F 19	7 52 26	28°49'45	0♒17	5°16	6°28	23°45	29° 4	27°50	9°15	14°16	24°45	11°55	13°34	23°35	25°43	F 19
S 20	7 56 23	29°50'47	14°53	5°51	6°49	24°32	28°56	27°56	9°14	14°16	24°44	11°50	13°31	23°42	25°44	S 20
S 21	8 0 19	0♒51'49	29°35	6°31	7° 9	25°19	28°48	28° 2	9°14	14°17	24°44	11°48	13°28	23°49	25°45	S 21
M22	8 4 16	1°52'50	14♓15	7°15	7°27	26° 7	28°40	28° 8	9°13	14°18	24°43	11°D47	13°25	23°55	25°46	M22
T 23	8 8 12	2°53'49	28°48	8° 4	7°43	26°54	28°32	28°15	9°13	14°19	24°43	11°48	13°22	24° 2	25°47	T 23
W24	8 12 9	3°54'47	13♈10	8°56	7°57	27°41	28°24	28°21	9°12	14°20	24°43	11°49	13°18	24° 9	25°48	W24
T 25	8 16 6	4°55'44	27°19	9°52	8° 8	28°28	28°16	28°27	9°12	14°20	24°42	11°50	13°15	24°15	25°49	T 25
F 26	8 20 2	5°56'39	11♉12	10°50	8°18	29°16	28° 8	28°33	9°11	14°21	24°42	11°R50	13°12	24°22	25°50	F 26
S 27	8 23 59	6°57'34	24°51	11°52	8°25	0♓ 3	28° 0	28°39	9°10	14°22	24°42	11°49	13° 9	24°29	25°51	S 27
S 28	8 27 55	7°58'27	8♊16	12°56	8°29	0°50	27°52	28°45	9°10	14°22	24°42	11°46	13° 6	24°35	25°53	S 28
M29	8 31 52	8°59'18	21°26	14° 3	8°R31	1°37	27°44	28°51	9° 9	14°23	24°41	11°41	13° 3	24°42	25°54	M29
T 30	8 35 48	10° 0'08	4♋23	15°11	8°31	2°24	27°37	28°57	9° 8	14°23	24°41	11°36	12°59	24°49	25°56	T 30
W31	8 39 45	11♒ 0'57	17♋ 8	16♉22	8♓28	3♓12	27♋29	29♐ 3	9♎ 7	14♏24	24♉41	11♓31	12♓56	24♍55	25♈57	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 4	27n13	5n 3	20s20	2n15	13s15	0s14	19s 1	1s 9	20n27	0n34	22s25	1n 0	3s 0	0n42	14s22	1n46	5n59	13s26	6s32	6s 6	2n45	9n40	0s17
T 2	22 59	28 20	4 57	20 12	2 31	12 52	0 6	18 48	1 9	20 29	0 34	22 25	1 0	3 0	0 42	14 22	1 46	5 59	13 26	6 36	6 8	2 42	9 40	0 17
W 3	22 54	27 50	4 36	20 6	2 46	12 28	0n 2	18 34	1 9	20 31	0 35	22 25	1 0	3 0	0 42	14 22	1 46	5 59	13 25	6 40	6 9	2 38	9 40	0 17
T 4	22 48	25 49	4 0	20 1	2 58	12 5	0 11	18 21	1 9	20 32	0 35	22 26	1 0	3 0	0 43	14 23	1 46	5 59	13 25	6 44	6 10	2 35	9 40	0 17
F 5	22 41	22 33	3 13	19 57	3 8	11 42	0 20	18 7	1 8	20 34	0 35	22 26	1 0	3 1	0 43	14 23	1 46	5 59	13 25	6 47	6 11	2 32	9 39	0 17
S 6	22 35	18 19	2 18	19 55	3 16	11 18	0 29	17 54	1 8	20 36	0 35	22 26	1 0	3 1	0 43	14 23	1 46	5 59	13 25	6 50	6 12	2 28	9 39	0 17
S 7	22 27	13 26	1 18	19 55	3 20	10 55	0 38	17 39	1 8	20 38	0 35	22 26	1 0	3 1	0 43	14 24	1 46	6 0	13 24	6 51	6 14	2 25	9 39	0 17
M 8	22 20	8 6	0 14	19 56	3 23	10 32	0 47	17 25	1 7	20 40	0 35	22 27	1 0	3 1	0 43	14 24	1 46	6 0	13 24	6 52	6 15	2 21	9 39	0 17
T 9	22 11	2 32	0s49	19 58	3 23	10 9	0 57	17 11	1 7	20 41	0 36	22 27	1 0	3 1	0 43	14 24	1 46	6 0	13 24	6 52	6 16	2 18	9 39	0 17
W10	22 3	3s 5	1 50	20 2	3 21	9 46	1 7	16 56	1 7	20 43	0 36	22 27	1 0	3 1	0 43	14 25	1 46	6 0	13 24	6 51	6 17	2 14	9 39	0 17
T 11	21 54	8 37	2 47	20 7	3 18	9 24	1 17	16 42	1 6	20 45	0 36	22 27	1 0	3 1	0 43	14 25	1 47	6 0	13 23	6 51	6 19	2 11	9 39	0 17
F 12	21 44	13 55	3 37	20 12	3 13	9 2	1 28	16 27	1 6	20 47	0 36	22 27	1 0	3 1	0 43	14 25	1 47	6 0	13 23	6 51	6 20	2 8	9 40	0 18
S 13	21 34	18 46	4 19	20 19	3 6	8 39	1 39	16 12	1 6	20 49	0 36	22 27	1 0	3 1	0 43	14 25	1 47	6 0	13 23	6 51	6 21	2 4	9 40	0 18
S 14	21 24	22 57	4 49	20 27	2 59	8 18	1 50	15 56	1 5	20 51	0 36	22 28	1 0	3 1	0 43	14 26	1 47	6 0	13 22	6 53	6 22	2 1	9 40	0 18
M15	21 13	26 9	5 6	20 35	2 51	7 56	2 1	15 41	1 5	20 52	0 36	22 28	1 0	3 1	0 43	14 26	1 47	6 1	13 22	6 55	6 23	1 57	9 40	0 18
T 16	21 2	28 3	5 7	20 44	2 42	7 35	2 12	15 25	1 4	20 54	0 37	22 28	1 0	3 1	0 43	14 26	1 47	6 1	13 22	6 58	6 25	1 54	9 40	0 18
W17	20 50	28 19	4 50	20 53	2 32	7 14	2 24	15 10	1 4	20 56	0 37	22 28	1 0	3 1	0 43	14 26	1 47	6 1	13 22	7 1	6 26	1 50	9 40	0 18
T 18	20 39	26 47	4 17	21 2	2 23	6 53	2 36	14 54	1 4	20 58	0 37	22 28	1 0	3 1	0 43	14 27	1 47	6 1	13 21	7 4	6 27	1 47	9 40	0 18
F 19	20 26	23 29	3 26	21 11	2 12	6 33	2 48	14 38	1 3	21 0	0 37	22 28	1 0	3 1	0 43	14 27	1 47	6 1	13 21	7 6	6 28	1 44	9 41	0 18
S 20	20 14	18 39	2 21	21 20	2 2	6 14	3 0	14 22	1 3	21 1	0 37	22 28	1 0	3 1	0 43	14 27	1 47	6 1	13 21	7 8	6 30	1 40	9 41	0 18
S 21	20 0	12 40	1 6	21 28	1 52	5 55	3 13	14 5	1 2	21 3	0 37	22 29	1 0	3 0	0 43	14 27	1 47	6 2	13 20	7 9	6 31	1 37	9 41	0 18
M22	19 47	6 0	0n13	21 36	1 41	5 36	3 26	13 49	1 2	21 5	0 37	22 29	1 0	3 0	0 43	14 27	1 47	6 2	13 20	7 9	6 32	1 33	9 42	0 18
T 23	19 33	0n55	1 31	21 44	1 31	5 18	3 39	13 32	1 2	21 7	0 38	22 29	1 0	3 0	0 43	14 28	1 47	6 2	13 20	7 9	6 33	1 30	9 42	0 18
W24	19 19	7 42	2 43	21 51	1 21	5 1	3 52	13 16	1 1	21 8	0 38	22 29	1 0	3 0	0 43	14 28	1 47	6 2	13 20	7 9	6 34	1 26	9 42	0 18
T 25	19 4	14 0	3 43	21 57	1 10	4 45	4 5	12 59	1 1	21 10	0 38	22 29	1 0	2 59	0 43	14 28	1 47	6 2	13 19	7 8	6 36	1 23	9 43	0 18
F 26	18 50	19 28	4 29	22 3	1 0	4 29	4 19	12 42	1 0	21 12	0 38	22 29	1 0	2 59	0 43	14 28	1 47	6 3	13 19	7 8	6 37	1 20	9 43	0 18
S 27	18 34	23 50	4 58	22 8	0 50	4 13	4 32	12 25	1 0	21 14	0 38	22 29	1 0	2 59	0 43	14 28	1 47	6 3	13 19	7 9	6 38	1 16	9 43	0 19
S 28	18 19	26 51	5 11	22 11	0 40	3 59	4 46	12 8	0 59	21 15	0 38	22 29	1 0	2 58	0 43	14 28	1 47	6 3	13 18	7 10	6 39	1 13	9 44	0 19
M29	18 3	28 19	5 7	22 14	0 31	3 46	4 59	11 50	0 59	21 17	0 38	22 29	1 0	2 58	0 43	14 28	1 48	6 3	13 18	7 12	6 41	1 9	9 44	0 19
T 30	17 47	28 13	4 48	22 16	0 21	3 33	5 13	11 33	0 59	21 18	0 38	22 29	1 0	2 58	0 43	14 29	1 48	6 4	13 18	7 14	6 42	1 6	9 45	0 19
W31	17s30	26n35	4n14	22s17	0n12	3s21	5n27	11s15	0s58	21n20	0n38	22s29	1n 0	2s57	0n43	14s29	1n48	6n 4	13s17	7s16	6s43	1n 2	9n45	0s19

Julian Day Number = 2318231.5, Delta T = 54.07 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'45, Lahiri = 18°45'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

FEBRUARY 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 43 41	12♒ 1'45	29♋39	17♉34	8°R23	3♓59	27°R21	29♐ 9	9°R 6	14♏24	24°R41	11°R26	12♓53	25♍ 2	25♈59	T 1
F 2	8 47 38	13° 2'31	12♌ 0	18°48	8♓15	4°46	27♋14	29°15	9♎ 5	14°25	24♉41	11♓21	12°50	25° 9	26° 0	F 2
S 3	8 51 35	14° 3'16	24° 9	20° 4	8° 4	5°33	27° 6	29°20	9° 4	14°25	24°41	11°19	12°47	25°15	26° 2	S 3
S 4	8 55 31	15° 3'59	6♍ 9	21°22	7°51	6°20	26°59	29°26	9° 3	14°26	24°41	11°D17	12°44	25°22	26° 4	S 4
M 5	8 59 28	16° 4'41	18° 2	22°40	7°36	7° 7	26°52	29°32	9° 2	14°26	24°41	11°18	12°40	25°28	26° 5	M 5
T 6	9 3 24	17° 5'22	29°51	24° 0	7°18	7°54	26°45	29°37	9° 0	14°26	24°41	11°19	12°37	25°35	26° 7	T 6
W 7	9 7 21	18° 6'02	11♎38	25°22	6°58	8°41	26°38	29°43	8°59	14°27	24°D41	11°20	12°34	25°42	26° 9	W 7
T 8	9 11 17	19° 6'41	23°28	26°44	6°35	9°28	26°31	29°48	8°58	14°27	24°41	11°22	12°31	25°48	26°11	T 8
F 9	9 15 14	20° 7'18	5♏26	28° 8	6°10	10°15	26°24	29°53	8°56	14°27	24°41	11°24	12°28	25°55	26°13	F 9
S 10	9 19 10	21° 7'54	17°35	29°33	5°43	11° 2	26°17	29°59	8°55	14°27	24°41	11°R24	12°24	26° 2	26°15	S 10
S 11	9 23 7	22° 8'29	0♐ 1	0♒59	5°14	11°49	26°11	0♑ 4	8°53	14°27	24°41	11°24	12°21	26° 8	26°17	S 11
M12	9 27 4	23° 9'03	12°49	2°26	4°44	12°36	26° 4	0° 9	8°52	14°27	24°41	11°23	12°18	26°15	26°19	M12
T 13	9 31 0	24° 9'36	26° 1	3°54	4°11	13°23	25°58	0°14	8°50	14°28	24°41	11°21	12°15	26°22	26°22	T 13
W14	9 34 57	25°10'07	9♑40	5°23	3°38	14°10	25°52	0°19	8°49	14°28	24°41	11°19	12°12	26°28	26°24	W14
T 15	9 38 53	26°10'37	23°46	6°53	3° 3	14°57	25°45	0°24	8°47	14°R28	24°41	11°17	12° 9	26°35	26°26	T 15
F 16	9 42 50	27°11'06	8♒17	8°24	2°27	15°44	25°40	0°29	8°45	14°28	24°41	11°15	12° 5	26°42	26°28	F 16
S 17	9 46 46	28°11'33	23° 6	9°56	1°50	16°31	25°34	0°34	8°44	14°27	24°42	11°14	12° 2	26°48	26°31	S 17
S 18	9 50 43	29°11'58	8♓ 7	11°29	1°13	17°17	25°28	0°39	8°42	14°27	24°42	11°D13	11°59	26°55	26°33	S 18
M19	9 54 39	0♓12'21	23°11	13° 3	0°36	18° 4	25°23	0°43	8°40	14°27	24°42	11°14	11°56	27° 2	26°36	M19
T 20	9 58 36	1°12'43	8♈ 9	14°38	29♒58	18°51	25°17	0°48	8°38	14°27	24°42	11°14	11°53	27° 8	26°38	T 20
W21	10 2 33	2°13'02	22°54	16°14	29°21	19°37	25°12	0°52	8°36	14°27	24°43	11°15	11°50	27°15	26°41	W21
T 22	10 6 29	3°13'20	7♉20	17°52	28°44	20°24	25° 7	0°57	8°35	14°27	24°43	11°16	11°46	27°21	26°43	T 22
F 23	10 10 26	4°13'36	21°24	19°30	28° 8	21°11	25° 2	1° 1	8°33	14°26	24°43	11°16	11°43	27°28	26°46	F 23
S 24	10 14 22	5°13'49	5♊ 6	21° 9	27°33	21°57	24°58	1° 6	8°31	14°26	24°44	11°R16	11°40	27°35	26°49	S 24
S 25	10 18 19	6°14'01	18°26	22°49	26°59	22°44	24°53	1°10	8°29	14°26	24°44	11°16	11°37	27°41	26°52	S 25
M26	10 22 15	7°14'10	1♋26	24°30	26°27	23°30	24°49	1°14	8°27	14°25	24°44	11°16	11°34	27°48	26°54	M26
T 27	10 26 12	8°14'17	14° 8	26°12	25°56	24°17	24°45	1°18	8°24	14°25	24°45	11°16	11°30	27°55	26°57	T 27
W28	10 30 8	9♓14'23	26♋35	27♒55	25♒27	25♓ 3	24♋41	1♑22	8♎22	14♏25	24♉45	11♓15	11♓27	28♍ 1	27♈ 0	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s13	23n40	3n29	22s17	0n 3	3s11	5n41	10s58	0s58	21n22	0n38	22s29	1n 0	2s57	0n43	14s29	1n48	6n 4	13s17	7s18	6s44	0n59	9n46	0s19
F 2	16 56	19 42	2 34	22 16	0s 6	3 1	5 54	10 40	0 57	21 23	0 39	22 29	1 0	2 56	0 44	14 29	1 48	6 4	13 17	7 19	6 45	0 56	9 46	0 19
S 3	16 39	14 57	1 33	22 13	0 14	2 52	6 8	10 22	0 57	21 25	0 39	22 29	1 0	2 56	0 44	14 29	1 48	6 5	13 17	7 20	6 47	0 52	9 47	0 19
S 4	16 21	9 43	0 28	22 10	0 23	2 45	6 21	10 5	0 56	21 26	0 39	22 30	1 0	2 56	0 44	14 29	1 48	6 5	13 16	7 21	6 48	0 49	9 47	0 19
M 5	16 3	4 10	0s37	22 5	0 31	2 38	6 34	9 47	0 56	21 28	0 39	22 30	1 0	2 55	0 44	14 29	1 48	6 5	13 16	7 21	6 49	0 45	9 48	0 19
T 6	15 45	1s29	1 41	21 59	0 38	2 33	6 46	9 29	0 55	21 29	0 39	22 30	1 0	2 55	0 44	14 29	1 48	6 6	13 16	7 20	6 50	0 42	9 49	0 19
W 7	15 26	7 4	2 40	21 52	0 46	2 29	6 59	9 11	0 55	21 31	0 39	22 30	1 0	2 54	0 44	14 29	1 48	6 6	13 15	7 20	6 51	0 38	9 49	0 19
T 8	15 7	12 25	3 32	21 43	0 53	2 26	7 11	8 52	0 54	21 32	0 39	22 30	1 0	2 53	0 44	14 29	1 48	6 6	13 15	7 19	6 53	0 35	9 50	0 19
F 9	14 48	17 23	4 16	21 34	1 0	2 25	7 22	8 34	0 54	21 33	0 39	22 30	1 0	2 53	0 44	14 29	1 48	6 6	13 15	7 18	6 54	0 31	9 50	0 19
S 10	14 29	21 44	4 49	21 23	1 7	2 24	7 33	8 16	0 53	21 35	0 39	22 30	1 0	2 52	0 44	14 29	1 48	6 7	13 14	7 18	6 55	0 28	9 51	0 19
S 11	14 10	25 15	5 10	21 10	1 13	2 25	7 43	7 57	0 53	21 36	0 39	22 30	1 0	2 52	0 44	14 29	1 48	6 7	13 14	7 18	6 56	0 25	9 52	0 19
M12	13 50	27 36	5 16	20 57	1 19	2 27	7 53	7 39	0 52	21 37	0 39	22 30	1 0	2 51	0 44	14 29	1 48	6 7	13 14	7 19	6 58	0 21	9 53	0 20
T 13	13 30	28 32	5 6	20 42	1 25	2 30	8 2	7 20	0 52	21 39	0 39	22 30	1 0	2 50	0 44	14 29	1 48	6 8	13 13	7 19	6 59	0 18	9 53	0 20
W14	13 10	27 46	4 38	20 25	1 30	2 34	8 10	7 2	0 51	21 40	0 39	22 30	1 0	2 50	0 44	14 29	1 49	6 8	13 13	7 20	7 0	0 14	9 54	0 20
T 15	12 49	25 14	3 54	20 8	1 35	2 40	8 18	6 43	0 51	21 41	0 39	22 29	1 0	2 49	0 44	14 29	1 49	6 8	13 13	7 21	7 1	0 11	9 55	0 20
F 16	12 28	21 1	2 53	19 49	1 40	2 46	8 24	6 25	0 50	21 42	0 39	22 29	1 0	2 48	0 44	14 29	1 49	6 9	13 13	7 22	7 2	0 7	9 56	0 20
S 17	12 8	15 24	1 39	19 28	1 45	2 54	8 30	6 6	0 50	21 43	0 40	22 29	1 0	2 48	0 44	14 29	1 49	6 9	13 12	7 22	7 4	0 4	9 56	0 20
S 18	11 47	8 49	0 17	19 7	1 49	3 2	8 35	5 47	0 49	21 44	0 40	22 29	1 0	2 47	0 44	14 29	1 49	6 9	13 12	7 22	7 5	0 1	9 57	0 20
M19	11 25	1 42	1n 6	18 44	1 53	3 12	8 38	5 28	0 49	21 45	0 40	22 29	1 0	2 46	0 44	14 29	1 49	6 10	13 12	7 22	7 6	0s 3	9 58	0 20
T 20	11 4	5n27	2 24	18 19	1 56	3 22	8 41	5 9	0 48	21 46	0 40	22 29	1 0	2 46	0 44	14 28	1 49	6 10	13 11	7 22	7 7	0 6	9 59	0 20
W21	10 42	12 11	3 31	17 54	1 59	3 33	8 43	4 51	0 47	21 47	0 40	22 29	1 0	2 45	0 44	14 28	1 49	6 11	13 11	7 22	7 9	0 10	10 0	0 20
T 22	10 21	18 8	4 24	17 26	2 2	3 45	8 44	4 32	0 47	21 48	0 40	22 29	1 0	2 44	0 44	14 28	1 49	6 11	13 11	7 21	7 10	0 13	10 1	0 20
F 23	9 59	22 57	4 59	16 58	2 4	3 57	8 43	4 13	0 46	21 49	0 40	22 29	1 0	2 43	0 44	14 28	1 49	6 11	13 10	7 21	7 11	0 17	10 2	0 20
S 24	9 37	26 22	5 16	16 28	2 6	4 10	8 42	3 54	0 46	21 50	0 40	22 29	1 0	2 42	0 44	14 28	1 49	6 12	13 10	7 21	7 12	0 20	10 3	0 20
S 25	9 15	28 13	5 15	15 57	2 7	4 23	8 40	3 35	0 45	21 51	0 40	22 29	1 0	2 42	0 44	14 28	1 49	6 12	13 10	7 21	7 13	0 23	10 3	0 20
M26	8 52	28 27	4 58	15 24	2 8	4 36	8 37	3 16	0 45	21 52	0 40	22 29	1 0	2 41	0 44	14 28	1 49	6 12	13 10	7 21	7 15	0 27	10 4	0 20
T 27	8 30	27 10	4 27	14 50	2 9	4 50	8 33	2 57	0 44	21 53	0 40	22 29	1 0	2 40	0 44	14 27	1 49	6 13	13 9	7 21	7 16	0 30	10 5	0 21
W28	8s 7	24n32	3n44	14s14	2s 9	5s 4	8n29	2s38	0s44	21n53	0n40	22s29	1n 0	2s39	0n44	14s27	1n49	6n13	13s 9	7s22	7s17	0s34	10n 6	0s21

Julian Day Number = 2318262.5, Delta T = 54.01 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'49, Lahiri = 18°45'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

MARCH 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 34 5	10♓14'26	8♌50	29♒40	25°R 0	25♓50	24°R37	1♋26	8°R20	14°R24	24♉46	11°R15	11♓24	28♍ 8	27♈ 3	T 1
F 2	10 38 2	11°14'27	20°56	1♓25	24♒35	26°36	24♋33	1°30	8♎18	14♏24	24°46	11°D15	11°21	28°15	27° 6	F 2
S 3	10 41 58	12°14'26	2♍54	3°12	24°12	27°22	24°30	1°34	8°16	14°23	24°47	11♓15	11°18	28°21	27° 9	S 3
S 4	10 45 55	13°14'23	14°47	4°59	23°51	28° 9	24°26	1°37	8°13	14°22	24°47	11°R15	11°15	28°28	27°12	S 4
M 5	10 49 51	14°14'18	26°36	6°48	23°33	28°55	24°23	1°41	8°11	14°22	24°48	11°15	11°11	28°35	27°15	M 5
T 6	10 53 48	15°14'11	8♎24	8°38	23°17	29°41	24°21	1°44	8° 9	14°21	24°48	11°15	11° 8	28°41	27°18	T 6
W 7	10 57 44	16°14'02	20°13	10°29	23° 3	0♈27	24°18	1°48	8° 7	14°21	24°49	11°14	11° 5	28°48	27°21	W 7
T 8	11 1 41	17°13'52	2♏ 7	12°22	22°52	1°14	24°15	1°51	8° 4	14°20	24°49	11°13	11° 2	28°55	27°24	T 8
F 9	11 5 37	18°13'40	14° 7	14°15	22°44	2° 0	24°13	1°54	8° 2	14°19	24°50	11°12	10°59	29° 1	27°28	F 9
S 10	11 9 34	19°13'26	26°18	16° 9	22°38	2°46	24°11	1°58	8° 0	14°19	24°51	11°12	10°55	29° 8	27°31	S 10
S 11	11 13 31	20°13'10	8♐43	18° 5	22°35	3°32	24° 9	2° 1	7°57	14°18	24°51	11°11	10°52	29°15	27°34	S 11
M12	11 17 27	21°12'53	21°26	20° 2	22°D34	4°18	24° 7	2° 4	7°55	14°17	24°52	11°D11	10°49	29°21	27°37	M12
T 13	11 21 24	22°12'34	4♑31	21°59	22°35	5° 4	24° 6	2° 7	7°52	14°16	24°53	11°11	10°46	29°28	27°41	T 13
W14	11 25 20	23°12'13	18° 1	23°58	22°39	5°50	24° 4	2° 9	7°50	14°15	24°53	11°12	10°43	29°35	27°44	W14
T 15	11 29 17	24°11'51	1♒57	25°57	22°45	6°35	24° 3	2°12	7°47	14°14	24°54	11°13	10°40	29°41	27°47	T 15
F 16	11 33 13	25°11'26	16°19	27°57	22°53	7°21	24° 2	2°15	7°45	14°14	24°55	11°14	10°36	29°48	27°51	F 16
S 17	11 37 10	26°11'00	1♓ 5	29°58	23° 4	8° 7	24° 1	2°17	7°42	14°13	24°56	11°14	10°33	29°54	27°54	S 17
S 18	11 41 6	27°10'32	16° 8	1♈59	23°16	8°53	24° 1	2°20	7°40	14°12	24°56	11°R15	10°30	0♎ 1	27°58	S 18
M19	11 45 3	28°10'02	1♈21	4° 0	23°31	9°39	24° 0	2°22	7°37	14°11	24°57	11°14	10°27	0° 8	28° 1	M19
T 20	11 48 59	29° 9'29	16°33	6° 2	23°48	10°24	24° 0	2°24	7°35	14°10	24°58	11°12	10°24	0°14	28° 5	T 20
W21	11 52 56	0♈ 8'55	1♉36	8° 3	24° 7	11°10	24°D 0	2°26	7°32	14° 9	24°59	11°10	10°21	0°21	28° 8	W21
T 22	11 56 53	1° 8'18	16°20	10° 4	24°27	11°55	24° 0	2°29	7°30	14° 7	25° 0	11° 7	10°17	0°28	28°12	T 22
F 23	12 0 49	2° 7'40	0♊40	12° 4	24°50	12°41	24° 0	2°31	7°27	14° 6	25° 0	11° 5	10°14	0°34	28°15	F 23
S 24	12 4 46	3° 6'58	14°32	14° 3	25°14	13°26	24° 1	2°32	7°24	14° 5	25° 1	11° 3	10°11	0°41	28°19	S 24
S 25	12 8 42	4° 6'15	27°57	16° 0	25°39	14°12	24° 2	2°34	7°22	14° 4	25° 2	11° 2	10° 8	0°48	28°23	S 25
M26	12 12 39	5° 5'29	10♋57	17°55	26° 7	14°57	24° 3	2°36	7°19	14° 3	25° 3	11°D 2	10° 5	0°54	28°26	M26
T 27	12 16 35	6° 4'41	23°34	19°48	26°36	15°42	24° 4	2°38	7°17	14° 2	25° 4	11° 3	10° 1	1° 1	28°30	T 27
W28	12 20 32	7° 3'51	5♌54	21°38	27° 6	16°28	24° 5	2°39	7°14	14° 1	25° 5	11° 4	9°58	1° 8	28°34	W28
T 29	12 24 29	8° 2'58	18° 0	23°26	27°38	17°13	24° 7	2°40	7°11	13°59	25° 6	11° 6	9°55	1°14	28°37	T 29
F 30	12 28 25	9° 2'03	29°56	25° 9	28°12	17°58	24° 8	2°42	7° 9	13°58	25° 7	11° 8	9°52	1°21	28°41	F 30
S 31	12 32 22	10♈ 1'05	11♍47	26♈49	28♒46	18♈43	24♋10	2♋43	7♎ 6	13♏57	25♉ 8	11°R 8	9♓49	1♎28	28♈45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s45	20n50	2n51	13s38	2s 9	5s18	8n23	2s19	0s43	21n54	0n40	22s29	1n 0	2s38	0n44	14s27	1n49	6n14	13s 9	7s22	7s18	0s37	10n 7	0s21
F 2	7 22	16 18	1 51	12 59	2 8	5 32	8 17	2 0	0 42	21 55	0 40	22 29	1 0	2 37	0 44	14 27	1 49	6 14	13 8	7 22	7 19	0 41	10 8	0 21
S 3	6 59	11 11	0 46	12 20	2 7	5 46	8 10	1 41	0 42	21 55	0 40	22 29	1 0	2 36	0 44	14 27	1 50	6 14	13 8	7 22	7 21	0 44	10 9	0 21
S 4	6 36	5 42	0s20	11 39	2 6	6 0	8 3	1 22	0 41	21 56	0 40	22 29	1 0	2 36	0 44	14 26	1 50	6 15	13 8	7 22	7 22	0 47	10 10	0 21
M 5	6 13	0 4	1 24	10 57	2 4	6 13	7 55	1 3	0 41	21 56	0 40	22 29	1 0	2 35	0 44	14 26	1 50	6 15	13 7	7 22	7 23	0 51	10 11	0 21
T 6	5 50	5s34	2 25	10 13	2 1	6 26	7 46	0 44	0 40	21 57	0 40	22 29	1 0	2 34	0 44	14 26	1 50	6 16	13 7	7 22	7 24	0 54	10 12	0 21
W 7	5 27	11 0	3 20	9 28	1 58	6 39	7 37	0 25	0 39	21 57	0 40	22 28	1 0	2 33	0 44	14 26	1 50	6 16	13 7	7 22	7 25	0 58	10 14	0 21
T 8	5 3	16 5	4 7	8 42	1 54	6 51	7 28	0 6	0 39	21 58	0 40	22 28	1 0	2 32	0 44	14 25	1 50	6 16	13 7	7 22	7 27	1 1	10 15	0 21
F 9	4 40	20 36	4 43	7 54	1 50	7 3	7 18	0n13	0 38	21 58	0 40	22 28	1 0	2 31	0 44	14 25	1 50	6 17	13 6	7 23	7 28	1 4	10 16	0 21
S 10	4 16	24 20	5 7	7 6	1 46	7 15	7 8	0 31	0 38	21 59	0 40	22 28	1 0	2 30	0 44	14 25	1 50	6 17	13 6	7 23	7 29	1 8	10 17	0 21
S 11	3 53	27 1	5 17	6 16	1 41	7 25	6 58	0 50	0 37	21 59	0 40	22 28	1 0	2 29	0 44	14 25	1 50	6 18	13 6	7 23	7 30	1 11	10 18	0 21
M12	3 29	28 24	5 12	5 25	1 35	7 36	6 47	1 9	0 36	21 59	0 40	22 28	1 0	2 28	0 44	14 24	1 50	6 18	13 5	7 23	7 31	1 15	10 19	0 21
T 13	3 6	28 16	4 51	4 32	1 29	7 45	6 37	1 28	0 36	22 0	0 40	22 28	1 0	2 27	0 44	14 24	1 50	6 18	13 5	7 23	7 33	1 18	10 20	0 21
W14	2 42	26 28	4 14	3 39	1 22	7 55	6 26	1 47	0 35	22 0	0 40	22 28	1 0	2 26	0 44	14 24	1 50	6 19	13 5	7 23	7 34	1 22	10 21	0 22
T 15	2 19	23 2	3 21	2 45	1 14	8 3	6 15	2 5	0 35	22 0	0 40	22 28	1 0	2 25	0 44	14 24	1 50	6 19	13 5	7 23	7 35	1 25	10 22	0 22
F 16	1 55	18 6	2 14	1 50	1 6	8 11	6 4	2 24	0 34	22 0	0 40	22 28	1 0	2 24	0 44	14 23	1 50	6 20	13 4	7 22	7 36	1 28	10 24	0 22
S 17	1 31	11 59	0 56	0 54	0 58	8 18	5 53	2 43	0 33	22 0	0 40	22 28	1 0	2 23	0 44	14 23	1 50	6 20	13 4	7 22	7 38	1 32	10 25	0 22
S 18	1 8	5 4	0n27	0n 3	0 49	8 25	5 41	3 1	0 33	22 0	0 40	22 28	1 0	2 22	0 44	14 23	1 50	6 21	13 4	7 22	7 39	1 35	10 26	0 22
M19	0 44	2n12	1 49	1 0	0 40	8 30	5 30	3 20	0 32	22 0	0 40	22 28	1 1	2 21	0 44	14 22	1 50	6 21	13 4	7 22	7 40	1 39	10 27	0 22
T 20	0 20	9 20	3 3	1 57	0 30	8 36	5 19	3 39	0 32	22 1	0 40	22 28	1 1	2 20	0 44	14 22	1 50	6 22	13 3	7 23	7 41	1 42	10 28	0 22
W21	0n 4	15 52	4 4	2 54	0 19	8 40	5 8	3 57	0 31	22 1	0 40	22 27	1 1	2 19	0 44	14 22	1 50	6 22	13 3	7 24	7 42	1 46	10 29	0 22
T 22	0 27	21 20	4 47	3 52	0 8	8 44	4 57	4 15	0 30	22 0	0 40	22 27	1 1	2 18	0 44	14 21	1 50	6 22	13 3	7 25	7 44	1 49	10 31	0 22
F 23	0 51	25 23	5 10	4 49	0n 3	8 47	4 46	4 34	0 30	22 0	0 40	22 27	1 1	2 17	0 44	14 21	1 51	6 23	13 3	7 26	7 45	1 52	10 32	0 22
S 24	1 14	27 48	5 15	5 46	0 14	8 49	4 35	4 52	0 29	22 0	0 40	22 27	1 1	2 16	0 44	14 20	1 51	6 23	13 2	7 26	7 46	1 56	10 33	0 22
S 25	1 38	28 30	5 2	6 42	0 26	8 51	4 24	5 10	0 28	22 0	0 40	22 27	1 1	2 15	0 44	14 20	1 51	6 24	13 2	7 27	7 47	1 59	10 34	0 22
M26	2 2	27 35	4 34	7 37	0 37	8 52	4 13	5 28	0 28	22 0	0 40	22 27	1 1	2 14	0 44	14 20	1 51	6 24	13 2	7 27	7 48	2 3	10 36	0 22
T 27	2 25	25 15	3 53	8 31	0 49	8 52	4 2	5 47	0 27	22 0	0 40	22 27	1 1	2 13	0 44	14 19	1 51	6 25	13 2	7 26	7 50	2 6	10 37	0 22
W28	2 49	21 46	3 2	9 24	1 1	8 52	3 52	6 5	0 27	22 0	0 40	22 27	1 1	2 12	0 44	14 19	1 51	6 25	13 1	7 26	7 51	2 9	10 38	0 23
T 29	3 12	17 26	2 4	10 15	1 13	8 51	3 41	6 23	0 26	21 59	0 40	22 27	1 1	2 11	0 44	14 18	1 51	6 25	13 1	7 25	7 52	2 13	10 39	0 23
F 30	3 35	12 28	1 1	11 4	1 24	8 49	3 31	6 40	0 25	21 59	0 40	22 27	1 1	2 10	0 44	14 18	1 51	6 26	13 1	7 25	7 53	2 16	10 41	0 23
S 31	3n59	7n 6	0s 4	11n51	1n36	8s47	3n21	6n58	0s25	21n59	0n40	22s27	1n 1	2s 9	0n44	14s18	1n51	6n26	13s 1	7s24	7s54	2s20	10n42	0s23

Julian Day Number = 2318290.5, Delta T = 53.95 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'53, Lahiri = 18°45'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

APRIL 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 36 18	11♈ 0'06	23♍35	28♈25	29♒22	19♈28	24♋12	2♑44	7°R 4	13°R56	25♉ 9	11°R 7	9♓46	1♎34	28♈49	S 1
M 2	12 40 15	11°59'04	5♎23	29°57	29°59	20°13	24°15	2°45	7♎ 1	13♏54	25°10	11♓ 5	9°42	1°41	28°52	M 2
T 3	12 44 11	12°58'00	17°13	1♉23	0♓38	20°58	24°17	2°46	6°59	13°53	25°11	11° 1	9°39	1°48	28°56	T 3
W 4	12 48 8	13°56'54	29° 8	2°45	1°17	21°43	24°20	2°47	6°56	13°52	25°12	10°56	9°36	1°54	29° 0	W 4
T 5	12 52 4	14°55'47	11♏ 8	4° 1	1°58	22°28	24°22	2°47	6°53	13°50	25°13	10°50	9°33	2° 1	29° 4	T 5
F 6	12 56 1	15°54'37	23°17	5°12	2°40	23°13	24°25	2°48	6°51	13°49	25°14	10°44	9°30	2° 8	29° 8	F 6
S 7	12 59 57	16°53'26	5♐35	6°17	3°23	23°58	24°28	2°49	6°48	13°47	25°15	10°38	9°27	2°14	29°11	S 7
S 8	13 3 54	17°52'13	18° 6	7°16	4° 6	24°43	24°32	2°49	6°46	13°46	25°16	10°33	9°23	2°21	29°15	S 8
M 9	13 7 51	18°50'58	0♑51	8°10	4°51	25°27	24°35	2°49	6°43	13°45	25°18	10°30	9°20	2°28	29°19	M 9
T 10	13 11 47	19°49'41	13°53	8°58	5°37	26°12	24°39	2°50	6°41	13°43	25°19	10°28	9°17	2°34	29°23	T 10
W11	13 15 44	20°48'23	27°16	9°39	6°23	26°57	24°43	2°50	6°38	13°42	25°20	10°D28	9°14	2°41	29°27	W11
T 12	13 19 40	21°47'03	11♒ 0	10°15	7°10	27°41	24°47	2°R50	6°36	13°40	25°21	10°29	9°11	2°48	29°31	T 12
F 13	13 23 37	22°45'41	25° 9	10°44	7°59	28°26	24°51	2°50	6°33	13°39	25°22	10°31	9° 7	2°54	29°35	F 13
S 14	13 27 33	23°44'18	9♓39	11° 7	8°47	29°10	24°55	2°50	6°31	13°37	25°23	10°R31	9° 4	3° 1	29°39	S 14
S 15	13 31 30	24°42'53	24°30	11°24	9°37	29°55	25° 0	2°49	6°28	13°36	25°25	10°30	9° 1	3° 7	29°43	S 15
M16	13 35 26	25°41'26	9♈34	11°35	10°27	0♉39	25° 4	2°49	6°26	13°34	25°26	10°28	8°58	3°14	29°46	M16
T 17	13 39 23	26°39'57	24°43	11°R40	11°18	1°23	25° 9	2°48	6°24	13°33	25°27	10°23	8°55	3°21	29°50	T 17
W18	13 43 20	27°38'27	9♉48	11°39	12°10	2° 7	25°14	2°48	6°21	13°31	25°28	10°16	8°52	3°27	29°54	W18
T 19	13 47 16	28°36'54	24°38	11°33	13° 2	2°52	25°19	2°47	6°19	13°30	25°29	10° 9	8°48	3°34	29°58	T 19
F 20	13 51 13	29°35'20	9♊ 7	11°21	13°55	3°36	25°25	2°47	6°17	13°28	25°31	10° 2	8°45	3°41	0♉ 2	F 20
S 21	13 55 9	0♉33'43	23° 8	11° 5	14°49	4°20	25°30	2°46	6°14	13°26	25°32	9°55	8°42	3°47	0° 6	S 21
S 22	13 59 6	1°32'05	6♋41	10°43	15°43	5° 4	25°36	2°45	6°12	13°25	25°33	9°50	8°39	3°54	0°10	S 22
M23	14 3 2	2°30'24	19°45	10°18	16°37	5°48	25°42	2°44	6°10	13°23	25°34	9°48	8°36	4° 1	0°14	M23
T 24	14 6 59	3°28'41	2♌25	9°48	17°32	6°32	25°48	2°43	6° 8	13°22	25°36	9°D47	8°32	4° 7	0°18	T 24
W25	14 10 55	4°26'57	14°44	9°16	18°28	7°16	25°54	2°41	6° 5	13°20	25°37	9°47	8°29	4°14	0°22	W25
T 26	14 14 52	5°25'10	26°47	8°41	19°24	8° 0	26° 0	2°40	6° 3	13°19	25°38	9°48	8°26	4°21	0°26	T 26
F 27	14 18 49	6°23'21	8♍41	8° 5	20°20	8°43	26° 6	2°39	6° 1	13°17	25°39	9°R49	8°23	4°27	0°30	F 27
S 28	14 22 45	7°21'30	20°29	7°27	21°17	9°27	26°13	2°37	5°59	13°15	25°41	9°48	8°20	4°34	0°34	S 28
S 29	14 26 42	8°19'37	2♎16	6°49	22°14	10°11	26°19	2°36	5°57	13°14	25°42	9°45	8°17	4°41	0°37	S 29
M30	14 30 38	9♉17'42	14♎ 5	6♉11	23♓12	10♉54	26♋26	2♑34	5♎55	13♏12	25♉43	9♓40	8♓13	4♎47	0♉41	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n22	1n31	1s 8	12n36	1n47	8s44	3n11	7n16	0s24	21n58	0n40	22s27	1n 1	2s 8	0n44	14s17	1n51	6n27	13s 0	7s25	7s56	2s23	10n43	0s23
M 2	4 45	4s 7	2 9	13 18	1 57	8 40	3 1	7 33	0 23	21 58	0 40	22 27	1 1	2 7	0 44	14 17	1 51	6 27	13 0	7 25	7 57	2 26	10 44	0 23
T 3	5 8	9 37	3 5	13 58	2 7	8 36	2 51	7 51	0 23	21 57	0 40	22 27	1 1	2 6	0 44	14 16	1 51	6 28	13 0	7 27	7 58	2 30	10 46	0 23
W 4	5 31	14 48	3 53	14 35	2 16	8 31	2 42	8 8	0 22	21 57	0 40	22 27	1 1	2 5	0 44	14 16	1 51	6 28	13 0	7 29	7 59	2 33	10 47	0 23
T 5	5 54	19 29	4 31	15 9	2 25	8 26	2 32	8 26	0 22	21 56	0 40	22 27	1 1	2 4	0 44	14 16	1 51	6 29	13 0	7 31	8 0	2 37	10 48	0 23
F 6	6 16	23 25	4 57	15 41	2 33	8 20	2 23	8 43	0 21	21 56	0 40	22 27	1 1	2 3	0 44	14 15	1 51	6 29	12 59	7 34	8 2	2 40	10 50	0 23
S 7	6 39	26 22	5 10	16 9	2 40	8 13	2 14	9 0	0 20	21 55	0 40	22 27	1 1	2 2	0 44	14 15	1 51	6 29	12 59	7 36	8 3	2 43	10 51	0 23
S 8	7 2	28 4	5 8	16 35	2 46	8 5	2 4	9 17	0 20	21 55	0 40	22 26	1 1	2 1	0 44	14 14	1 51	6 30	12 59	7 38	8 4	2 47	10 52	0 23
M 9	7 24	28 21	4 52	16 57	2 51	7 57	1 56	9 34	0 19	21 54	0 40	22 26	1 1	2 0	0 44	14 14	1 51	6 30	12 59	7 39	8 5	2 50	10 53	0 23
T 10	7 46	27 4	4 20	17 16	2 55	7 49	1 47	9 51	0 18	21 53	0 40	22 26	1 1	1 59	0 44	14 13	1 51	6 31	12 59	7 39	8 6	2 54	10 55	0 23
W11	8 8	24 14	3 33	17 33	2 58	7 40	1 38	10 8	0 18	21 53	0 40	22 26	1 1	1 58	0 44	14 13	1 51	6 31	12 58	7 39	8 8	2 57	10 56	0 24
T 12	8 30	19 58	2 33	17 46	3 0	7 30	1 30	10 24	0 17	21 52	0 40	22 26	1 1	1 57	0 44	14 12	1 51	6 32	12 58	7 39	8 9	3 0	10 57	0 24
F 13	8 52	14 28	1 23	17 56	3 0	7 20	1 22	10 41	0 16	21 51	0 40	22 26	1 1	1 56	0 44	14 12	1 51	6 32	12 58	7 39	8 10	3 4	10 59	0 24
S 14	9 14	8 2	0 5	18 3	3 0	7 9	1 14	10 57	0 16	21 50	0 39	22 26	1 1	1 55	0 44	14 11	1 51	6 32	12 58	7 38	8 11	3 7	11 0	0 24
S 15	9 36	1 3	1n15	18 6	2 58	6 58	1 6	11 14	0 15	21 49	0 39	22 26	1 1	1 54	0 44	14 11	1 51	6 33	12 58	7 39	8 12	3 11	11 1	0 24
M16	9 57	6n 6	2 31	18 7	2 55	6 46	0 58	11 30	0 14	21 49	0 39	22 26	1 1	1 53	0 44	14 11	1 51	6 33	12 58	7 40	8 14	3 14	11 3	0 24
T 17	10 18	12 56	3 36	18 4	2 50	6 34	0 50	11 46	0 14	21 48	0 39	22 26	1 1	1 52	0 44	14 10	1 51	6 34	12 57	7 41	8 15	3 17	11 4	0 24
W18	10 39	18 58	4 26	17 58	2 44	6 21	0 43	12 2	0 13	21 47	0 39	22 26	1 1	1 51	0 44	14 10	1 51	6 34	12 57	7 44	8 16	3 21	11 5	0 24
T 19	11 0	23 45	4 57	17 49	2 37	6 8	0 36	12 18	0 13	21 46	0 39	22 26	1 1	1 50	0 44	14 9	1 51	6 35	12 57	7 47	8 17	3 24	11 6	0 24
F 20	11 21	26 56	5 8	17 37	2 29	5 54	0 29	12 33	0 12	21 45	0 39	22 26	1 1	1 49	0 44	14 9	1 51	6 35	12 57	7 50	8 18	3 28	11 8	0 24
S 21	11 42	28 18	5 0	17 23	2 19	5 40	0 22	12 49	0 11	21 44	0 39	22 26	1 1	1 49	0 44	14 8	1 51	6 35	12 57	7 52	8 19	3 31	11 9	0 24
S 22	12 2	27 54	4 35	17 5	2 8	5 25	0 15	13 4	0 11	21 43	0 39	22 26	1 1	1 48	0 44	14 8	1 51	6 36	12 57	7 54	8 21	3 34	11 10	0 24
M23	12 22	25 56	3 56	16 46	1 55	5 10	0 8	13 20	0 10	21 42	0 39	22 26	1 1	1 47	0 44	14 7	1 51	6 36	12 56	7 55	8 22	3 38	11 12	0 24
T 24	12 42	22 42	3 7	16 24	1 42	4 54	0 2	13 35	0 9	21 40	0 39	22 26	1 1	1 46	0 44	14 7	1 51	6 37	12 56	7 55	8 23	3 41	11 13	0 25
W25	13 2	18 32	2 11	16 0	1 27	4 39	0s 4	13 50	0 9	21 39	0 39	22 26	1 1	1 45	0 44	14 6	1 51	6 37	12 56	7 55	8 24	3 44	11 14	0 25
T 26	13 21	13 42	1 9	15 34	1 12	4 22	0 11	14 5	0 8	21 38	0 39	22 26	1 1	1 44	0 44	14 6	1 51	6 37	12 56	7 55	8 25	3 48	11 16	0 25
F 27	13 41	8 26	0 6	15 7	0 56	4 6	0 17	14 19	0 7	21 37	0 39	22 26	1 1	1 43	0 44	14 5	1 51	6 38	12 56	7 54	8 27	3 51	11 17	0 25
S 28	14 0	2 54	0s57	14 39	0 39	3 48	0 23	14 34	0 7	21 36	0 39	22 26	1 1	1 43	0 44	14 5	1 51	6 38	12 56	7 55	8 28	3 55	11 18	0 25
S 29	14 19	2s42	1 57	14 10	0 22	3 31	0 28	14 48	0 6	21 34	0 39	22 26	1 1	1 42	0 44	14 4	1 51	6 39	12 56	7 56	8 29	3 58	11 19	0 25
M30	14n37	8s13	2s53	13n41	0n 5	3s13	0s34	15n 3	0s 5	21n33	0n39	22s26	1n 2	1s41	0n44	14s 4	1n51	6n39	12s56	7s58	8s30	4s 1	11n21	0s25

Julian Day Number = 2318321.5, Delta T = 53.89 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°38'57, Lahiri = 18°45'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

MAY 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 34 35	10♉15'45	26♎ 1	5°R33	24♓10	11♉38	26♋33	2°R32	5°R53	13°R10	25♉45	9°R33	8♓10	4♎54	0♉45	T 1
W 2	14 38 31	11°13'47	8♏ 3	4♉58	25° 9	12°22	26°40	2♏30	5♎51	13♏ 9	25°46	9♓23	8° 7	5° 1	0°49	W 2
T 3	14 42 28	12°11'47	20°15	4°24	26° 8	13° 5	26°47	2°28	5°49	13° 7	25°47	9°12	8° 4	5° 7	0°53	T 3
F 4	14 46 24	13° 9'46	2♐37	3°53	27° 7	13°48	26°55	2°26	5°47	13° 6	25°49	9° 1	8° 1	5°14	0°57	F 4
S 5	14 50 21	14° 7'43	15° 9	3°26	28° 7	14°32	27° 2	2°24	5°45	13° 4	25°50	8°50	7°58	5°21	1° 1	S 5
S 6	14 54 18	15° 5'39	27°53	3° 1	29° 7	15°15	27°10	2°22	5°44	13° 2	25°51	8°40	7°54	5°27	1° 5	S 6
M 7	14 58 14	16° 3'33	10♑49	2°41	0♈ 7	15°58	27°17	2°20	5°42	13° 1	25°53	8°33	7°51	5°34	1° 8	M 7
T 8	15 2 11	17° 1'26	23°58	2°25	1° 8	16°42	27°25	2°17	5°40	12°59	25°54	8°28	7°48	5°41	1°12	T 8
W 9	15 6 7	17°59'18	7♒22	2°13	2° 9	17°25	27°33	2°15	5°38	12°57	25°55	8°26	7°45	5°47	1°16	W 9
T 10	15 10 4	18°57'09	21° 2	2° 5	3°11	18° 8	27°41	2°12	5°37	12°56	25°57	8°D26	7°42	5°54	1°20	T 10
F 11	15 14 0	19°54'58	4♓59	2°D 2	4°12	18°51	27°50	2°10	5°35	12°54	25°58	8°R26	7°38	6° 1	1°24	F 11
S 12	15 17 57	20°52'46	19°14	2° 4	5°14	19°34	27°58	2° 7	5°33	12°53	25°59	8°26	7°35	6° 7	1°27	S 12
S 13	15 21 53	21°50'33	3♈46	2°10	6°16	20°17	28° 6	2° 4	5°32	12°51	26° 1	8°24	7°32	6°14	1°31	S 13
M14	15 25 50	22°48'19	18°30	2°21	7°19	21° 0	28°15	2° 1	5°30	12°49	26° 2	8°19	7°29	6°21	1°35	M14
T 15	15 29 47	23°46'04	3♉22	2°36	8°21	21°43	28°24	1°58	5°29	12°48	26° 3	8°12	7°26	6°27	1°39	T 15
W16	15 33 43	24°43'47	18°12	2°55	9°24	22°26	28°32	1°55	5°28	12°46	26° 5	8° 3	7°23	6°34	1°42	W16
T 17	15 37 40	25°41'29	2♊53	3°19	10°27	23° 8	28°41	1°52	5°26	12°45	26° 6	7°52	7°19	6°41	1°46	T 17
F 18	15 41 36	26°39'10	17°17	3°48	11°31	23°51	28°50	1°49	5°25	12°43	26° 7	7°41	7°16	6°47	1°50	F 18
S 19	15 45 33	27°36'50	1♋18	4°20	12°34	24°34	28°59	1°46	5°24	12°41	26° 9	7°31	7°13	6°54	1°53	S 19
S 20	15 49 29	28°34'28	14°51	4°56	13°38	25°16	29° 9	1°43	5°22	12°40	26°10	7°23	7°10	7° 1	1°57	S 20
M21	15 53 26	29°32'05	27°58	5°37	14°42	25°59	29°18	1°39	5°21	12°38	26°12	7°17	7° 7	7° 7	2° 1	M21
T 22	15 57 22	0♊29'40	10♌40	6°21	15°46	26°41	29°27	1°36	5°20	12°37	26°13	7°14	7° 4	7°14	2° 4	T 22
W23	16 1 19	1°27'14	23° 2	7° 8	16°51	27°24	29°37	1°33	5°19	12°35	26°14	7°13	7° 0	7°21	2° 8	W23
T 24	16 5 16	2°24'47	5♍ 6	8° 0	17°55	28° 6	29°47	1°29	5°18	12°34	26°16	7°13	6°57	7°27	2°11	T 24
F 25	16 9 12	3°22'18	17° 1	8°55	19° 0	28°49	29°56	1°25	5°17	12°32	26°17	7°12	6°54	7°34	2°15	F 25
S 26	16 13 9	4°19'47	28°49	9°53	20° 5	29°31	0♌ 6	1°22	5°16	12°31	26°18	7°11	6°51	7°41	2°18	S 26
S 27	16 17 5	5°17'15	10♎38	10°54	21°10	0♊13	0°16	1°18	5°15	12°29	26°20	7° 8	6°48	7°47	2°22	S 27
M28	16 21 2	6°14'43	22°31	11°59	22°16	0°55	0°26	1°14	5°14	12°28	26°21	7° 2	6°44	7°54	2°25	M28
T 29	16 24 58	7°12'09	4♏32	13° 7	23°21	1°37	0°36	1°11	5°13	12°26	26°22	6°53	6°41	8° 1	2°28	T 29
W30	16 28 55	8° 9'33	16°44	14°18	24°27	2°19	0°46	1° 7	5°13	12°25	26°24	6°42	6°38	8° 7	2°32	W30
T 31	16 32 51	9♊ 6'57	29♏ 8	15♉32	25♈33	3♊ 2	0♌57	1♑ 3	5♎12	12♏23	26♉25	6♓30	6♓35	8♎14	2♉35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n56	13s29	3s41	13n13	0s12	2s55	0s39	15n17	0s 5	21n32	0n39	22s26	1n 2	1s40	0n44	14s 3	1n51	6n39	12s56	8s 0	8s31	4s 5	11n22	0s25
W 2	15 14	18 19	4 20	12 44	0 29	2 37	0 44	15 31	0 4	21 30	0 39	22 26	1 2	1 40	0 44	14 3	1 51	6 40	12 55	8 4	8 33	4 8	11 23	0 25
T 3	15 32	22 27	4 47	12 17	0 46	2 18	0 49	15 45	0 4	21 29	0 39	22 26	1 2	1 39	0 44	14 2	1 51	6 40	12 55	8 8	8 34	4 11	11 25	0 25
F 4	15 49	25 39	5 1	11 51	1 3	1 59	0 54	15 58	0 3	21 27	0 39	22 26	1 2	1 38	0 44	14 2	1 51	6 41	12 55	8 13	8 35	4 15	11 26	0 25
S 5	16 7	27 39	5 1	11 27	1 19	1 39	0 59	16 12	0 2	21 26	0 39	22 27	1 2	1 37	0 44	14 1	1 51	6 41	12 55	8 17	8 36	4 18	11 27	0 25
S 6	16 24	28 15	4 46	11 4	1 34	1 20	1 4	16 25	0 2	21 25	0 39	22 27	1 2	1 37	0 44	14 1	1 51	6 41	12 55	8 20	8 37	4 22	11 28	0 26
M 7	16 41	27 19	4 17	10 43	1 49	1 0	1 8	16 38	0 1	21 23	0 39	22 27	1 2	1 36	0 44	14 0	1 51	6 42	12 55	8 23	8 39	4 25	11 30	0 26
T 8	16 57	24 51	3 33	10 25	2 3	0 40	1 13	16 51	0 0	21 21	0 39	22 27	1 2	1 35	0 44	14 0	1 51	6 42	12 55	8 25	8 40	4 28	11 31	0 26
W 9	17 14	21 0	2 37	10 8	2 16	0 19	1 17	17 4	0n 0	21 20	0 39	22 27	1 2	1 35	0 44	13 59	1 51	6 42	12 55	8 25	8 41	4 32	11 32	0 26
T 10	17 30	15 57	1 31	9 55	2 28	0n 2	1 21	17 17	0 1	21 18	0 39	22 27	1 2	1 34	0 44	13 59	1 51	6 43	12 55	8 26	8 42	4 35	11 33	0 26
F 11	17 45	9 59	0 18	9 43	2 39	0 23	1 25	17 29	0 2	21 17	0 39	22 27	1 2	1 33	0 43	13 58	1 51	6 43	12 55	8 25	8 43	4 38	11 35	0 26
S 12	18 1	3 24	0n57	9 34	2 49	0 44	1 29	17 42	0 2	21 15	0 39	22 27	1 2	1 33	0 43	13 58	1 51	6 44	12 55	8 26	8 44	4 42	11 36	0 26
S 13	18 16	3n29	2 10	9 28	2 58	1 5	1 32	17 54	0 3	21 13	0 39	22 27	1 2	1 32	0 43	13 57	1 51	6 44	12 55	8 26	8 46	4 45	11 37	0 26
M14	18 31	10 17	3 15	9 24	3 6	1 26	1 36	18 6	0 3	21 11	0 39	22 27	1 2	1 32	0 43	13 57	1 51	6 44	12 55	8 28	8 47	4 49	11 38	0 26
T 15	18 45	16 32	4 8	9 23	3 13	1 48	1 39	18 18	0 4	21 10	0 39	22 27	1 2	1 31	0 43	13 56	1 51	6 45	12 54	8 31	8 48	4 52	11 39	0 26
W16	18 59	21 49	4 44	9 24	3 19	2 10	1 42	18 29	0 5	21 8	0 39	22 27	1 1	1 31	0 43	13 56	1 51	6 45	12 54	8 34	8 49	4 55	11 41	0 26
T 17	19 13	25 41	5 0	9 27	3 24	2 32	1 45	18 41	0 5	21 6	0 39	22 27	1 1	1 30	0 43	13 56	1 51	6 45	12 54	8 38	8 50	4 59	11 42	0 27
F 18	19 27	27 48	4 57	9 33	3 28	2 54	1 48	18 52	0 6	21 4	0 39	22 27	1 1	1 30	0 43	13 55	1 51	6 46	12 54	8 42	8 52	5 2	11 43	0 27
S 19	19 40	28 5	4 36	9 41	3 31	3 16	1 51	19 3	0 7	21 2	0 39	22 27	1 1	1 29	0 43	13 55	1 51	6 46	12 54	8 46	8 53	5 5	11 44	0 27
S 20	19 53	26 38	4 0	9 51	3 33	3 39	1 54	19 14	0 7	21 0	0 39	22 27	1 1	1 29	0 43	13 54	1 51	6 46	12 54	8 49	8 54	5 9	11 45	0 27
M21	20 6	23 44	3 12	10 3	3 34	4 1	1 56	19 25	0 8	20 58	0 39	22 27	1 1	1 28	0 43	13 54	1 51	6 47	12 54	8 51	8 55	5 12	11 47	0 27
T 22	20 18	19 46	2 16	10 17	3 35	4 24	1 59	19 36	0 9	20 56	0 39	22 27	1 1	1 28	0 43	13 53	1 51	6 47	12 54	8 52	8 56	5 15	11 48	0 27
W23	20 30	15 3	1 14	10 33	3 35	4 46	2 1	19 46	0 9	20 54	0 39	22 27	1 1	1 27	0 43	13 53	1 51	6 47	12 54	8 53	8 57	5 19	11 49	0 27
T 24	20 41	9 50	0 11	10 50	3 33	5 9	2 3	19 56	0 10	20 52	0 39	22 27	1 1	1 27	0 43	13 52	1 51	6 47	12 54	8 53	8 59	5 22	11 50	0 27
F 25	20 52	4 21	0s52	11 9	3 32	5 32	2 5	20 6	0 10	20 50	0 39	22 28	1 1	1 27	0 43	13 52	1 51	6 48	12 54	8 53	9 0	5 25	11 51	0 27
S 26	21 3	1s14	1 52	11 30	3 29	5 54	2 7	20 16	0 11	20 48	0 39	22 28	1 1	1 26	0 43	13 52	1 51	6 48	12 54	8 53	9 1	5 29	11 52	0 27
S 27	21 14	6 47	2 47	11 52	3 26	6 17	2 9	20 26	0 12	20 46	0 39	22 28	1 1	1 26	0 43	13 51	1 51	6 48	12 54	8 55	9 2	5 32	11 53	0 27
M28	21 24	12 6	3 35	12 16	3 21	6 40	2 10	20 35	0 12	20 44	0 39	22 28	1 1	1 26	0 43	13 51	1 51	6 49	12 54	8 57	9 3	5 35	11 54	0 28
T 29	21 33	17 3	4 14	12 41	3 17	7 3	2 12	20 44	0 13	20 42	0 39	22 28	1 1	1 25	0 43	13 50	1 51	6 49	12 54	9 0	9 5	5 39	11 55	0 28
W30	21 43	21 22	4 42	13 7	3 11	7 26	2 13	20 53	0 13	20 40	0 39	22 28	1 1	1 25	0 43	13 50	1 51	6 49	12 54	9 4	9 6	5 42	11 57	0 28
T 31	21n52	24s51	4s58	13n34	3s 5	7n48	2s14	21n 2	0n14	20n37	0n39	22s28	1n 1	1s25	0n43	13s49	1n51	6n49	12s54	9s 9	9s 7	5s45	11n58	0s28

Julian Day Number = 2318351.5, Delta T = 53.83 sec
Ecliptic obliquity = 23°29'21, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'02, Lahiri = 18°46'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

JUNE 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 36 48	10♊ 4'20	11♐45	16♉49	26♈38	3♊43	1♌ 7	0°R59	5°R11	12°R22	26♉26	6°R17	6♓32	8♎21	2♉38	F 1
S 2	16 40 45	11° 1'43	24°36	18° 9	27°45	4°25	1°18	0♏55	5♎11	12♏21	26°28	6♓ 4	6°29	8°27	2°42	S 2
S 3	16 44 41	11°59'04	7♏39	19°32	28°51	5° 7	1°28	0°51	5°10	12°19	26°29	5°54	6°25	8°34	2°45	S 3
M 4	16 48 38	12°56'25	20°54	20°57	29°57	5°49	1°39	0°47	5°10	12°18	26°30	5°45	6°22	8°41	2°48	M 4
T 5	16 52 34	13°53'45	4♒19	22°26	1♉ 4	6°31	1°49	0°43	5° 9	12°17	26°32	5°40	6°19	8°47	2°51	T 5
W 6	16 56 31	14°51'04	17°55	23°57	2°11	7°13	2° 0	0°39	5° 9	12°15	26°33	5°37	6°16	8°54	2°55	W 6
T 7	17 0 27	15°48'23	1♓41	25°32	3°17	7°54	2°11	0°34	5° 9	12°14	26°34	5°D36	6°13	9° 1	2°58	T 7
F 8	17 4 24	16°45'42	15°38	27° 9	4°24	8°36	2°22	0°30	5° 8	12°13	26°36	5°R36	6°10	9° 7	3° 1	F 8
S 9	17 8 21	17°43'00	29°45	28°49	5°31	9°18	2°33	0°26	5° 8	12°11	26°37	5°36	6° 6	9°14	3° 4	S 9
S 10	17 12 17	18°40'18	14♈ 1	0♊31	6°39	9°59	2°44	0°22	5° 8	12°10	26°38	5°34	6° 3	9°21	3° 7	S 10
M11	17 16 14	19°37'35	28°25	2°17	7°46	10°41	2°55	0°17	5° 8	12° 9	26°39	5°30	6° 0	9°27	3°10	M11
T 12	17 20 10	20°34'52	12♉53	4° 5	8°54	11°22	3° 6	0°13	5° 8	12° 8	26°41	5°23	5°57	9°34	3°13	T 12
W13	17 24 7	21°32'09	27°19	5°55	10° 1	12° 4	3°18	0° 9	5°D 8	12° 7	26°42	5°14	5°54	9°41	3°16	W13
T 14	17 28 3	22°29'26	11♊38	7°48	11° 9	12°45	3°29	0° 4	5° 8	12° 5	26°43	5° 3	5°50	9°47	3°19	T 14
F 15	17 32 0	23°26'42	25°44	9°44	12°17	13°26	3°41	0° 0	5° 8	12° 4	26°44	4°52	5°47	9°54	3°22	F 15
S 16	17 35 56	24°23'58	9♋31	11°42	13°25	14° 7	3°52	29♐56	5° 8	12° 3	26°46	4°42	5°44	10° 1	3°24	S 16
S 17	17 39 53	25°21'13	22°56	13°43	14°33	14°49	4° 4	29°51	5° 8	12° 2	26°47	4°34	5°41	10° 7	3°27	S 17
M18	17 43 50	26°18'28	5♌58	15°45	15°41	15°30	4°15	29°47	5° 8	12° 1	26°48	4°28	5°38	10°14	3°30	M18
T 19	17 47 46	27°15'42	18°38	17°49	16°49	16°11	4°27	29°43	5° 9	12° 0	26°49	4°25	5°35	10°21	3°32	T 19
W20	17 51 43	28°12'56	0♍59	19°55	17°57	16°52	4°39	29°38	5° 9	11°59	26°50	4°D24	5°31	10°27	3°35	W20
T 21	17 55 39	29°10'09	13° 5	22° 3	19° 6	17°33	4°50	29°34	5° 9	11°58	26°52	4°24	5°28	10°34	3°38	T 21
F 22	17 59 36	0♋ 7'21	25° 0	24°12	20°14	18°14	5° 2	29°29	5°10	11°57	26°53	4°R25	5°25	10°41	3°40	F 22
S 23	18 3 32	1° 4'33	6♎51	26°21	21°23	18°55	5°14	29°25	5°10	11°56	26°54	4°25	5°22	10°47	3°43	S 23
S 24	18 7 29	2° 1'45	18°41	28°32	22°31	19°36	5°26	29°20	5°11	11°55	26°55	4°23	5°19	10°54	3°45	S 24
M25	18 11 25	2°58'56	0♏37	0♋42	23°40	20°17	5°38	29°16	5°12	11°54	26°56	4°20	5°16	11° 1	3°48	M25
T 26	18 15 22	3°56'07	12°42	2°53	24°49	20°57	5°50	29°12	5°12	11°53	26°57	4°14	5°12	11° 7	3°50	T 26
W27	18 19 19	4°53'17	25° 1	5° 4	25°58	21°38	6° 2	29° 7	5°13	11°53	26°58	4° 6	5° 9	11°14	3°52	W27
T 28	18 23 15	5°50'28	7♐36	7°14	27° 7	22°19	6°15	29° 3	5°14	11°52	27° 0	3°57	5° 6	11°21	3°55	T 28
F 29	18 27 12	6°47'38	20°27	9°24	28°16	23° 0	6°27	28°59	5°15	11°51	27° 1	3°47	5° 3	11°27	3°57	F 29
S 30	18 31 8	7♋44'48	3♏36	11♋32	29♉25	23♊40	6♌39	28♐54	5♎15	11♏50	27♉ 2	3♓37	5♓ 0	11♎34	3♉59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 0	27s10	4s59	14n 2	2s59	8n11	2s16	21n11	0n15	20n35	0n39	22s28	1n 1	1s25	0n43	13s49	1n51	6n50	12s54	9s14	9s 8	5s49	11n59	0s28
S 2	22 9	28 7	4 45	14 31	2 52	8 34	2 17	21 19	0 15	20 33	0 39	22 28	1 1	1 25	0 43	13 49	1 51	6 50	12 54	9 18	9 9	5 52	12 0	0 28
S 3	22 16	27 31	4 16	15 1	2 44	8 57	2 18	21 28	0 16	20 30	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 50	12 54	9 22	9 10	5 55	12 1	0 28
M 4	22 24	25 22	3 33	15 31	2 36	9 19	2 18	21 36	0 17	20 28	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 50	12 54	9 25	9 12	5 59	12 2	0 28
T 5	22 31	21 46	2 37	16 2	2 27	9 42	2 19	21 43	0 17	20 26	0 39	22 28	1 1	1 24	0 43	13 48	1 51	6 51	12 55	9 27	9 13	6 2	12 3	0 28
W 6	22 38	16 57	1 32	16 34	2 18	10 4	2 20	21 51	0 18	20 23	0 39	22 28	1 1	1 24	0 42	13 47	1 51	6 51	12 55	9 28	9 14	6 5	12 4	0 28
T 7	22 44	11 13	0 21	17 6	2 9	10 27	2 20	21 58	0 18	20 21	0 39	22 28	1 1	1 24	0 42	13 47	1 51	6 51	12 55	9 29	9 15	6 9	12 5	0 28
F 8	22 50	4 52	0n53	17 38	1 59	10 49	2 20	22 6	0 19	20 18	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 51	12 55	9 29	9 16	6 12	12 6	0 29
S 9	22 55	1n48	2 4	18 10	1 49	11 11	2 20	22 13	0 20	20 16	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 52	12 55	9 29	9 17	6 15	12 7	0 29
S 10	23 0	8 26	3 8	18 42	1 38	11 33	2 21	22 20	0 20	20 13	0 39	22 29	1 1	1 24	0 42	13 46	1 51	6 52	12 55	9 29	9 19	6 19	12 8	0 29
M11	23 5	14 41	4 1	19 14	1 27	11 55	2 21	22 26	0 21	20 11	0 39	22 29	1 1	1 24	0 42	13 45	1 51	6 52	12 55	9 31	9 20	6 22	12 8	0 29
T 12	23 9	20 10	4 39	19 45	1 16	12 16	2 21	22 33	0 21	20 8	0 39	22 29	1 1	1 24	0 42	13 45	1 51	6 52	12 55	9 33	9 21	6 25	12 9	0 29
W13	23 13	24 27	4 59	20 16	1 5	12 38	2 20	22 39	0 22	20 6	0 39	22 29	1 0	1 24	0 42	13 45	1 51	6 52	12 55	9 37	9 22	6 29	12 10	0 29
T 14	23 17	27 10	5 0	20 46	0 54	12 59	2 20	22 45	0 23	20 3	0 39	22 29	1 0	1 24	0 42	13 44	1 51	6 53	12 55	9 41	9 23	6 32	12 11	0 29
F 15	23 20	28 7	4 42	21 16	0 42	13 20	2 20	22 51	0 23	20 0	0 39	22 29	1 0	1 24	0 42	13 44	1 51	6 53	12 55	9 45	9 24	6 35	12 12	0 29
S 16	23 22	27 17	4 8	21 44	0 31	13 41	2 19	22 56	0 24	19 58	0 39	22 29	1 0	1 24	0 42	13 44	1 50	6 53	12 55	9 48	9 26	6 38	12 13	0 29
S 17	23 24	24 51	3 22	22 10	0 19	14 2	2 19	23 1	0 24	19 55	0 39	22 29	1 0	1 24	0 42	13 44	1 50	6 53	12 55	9 51	9 27	6 42	12 14	0 30
M18	23 26	21 10	2 25	22 35	0 8	14 22	2 18	23 7	0 25	19 52	0 39	22 29	1 0	1 24	0 42	13 43	1 50	6 53	12 55	9 53	9 28	6 45	12 15	0 30
T 19	23 28	16 35	1 23	22 59	0n 3	14 42	2 17	23 12	0 25	19 49	0 39	22 29	1 0	1 24	0 42	13 43	1 50	6 53	12 56	9 55	9 29	6 48	12 15	0 30
W20	23 29	11 26	0 18	23 20	0 14	15 2	2 16	23 16	0 26	19 46	0 39	22 29	1 0	1 25	0 42	13 43	1 50	6 54	12 56	9 55	9 30	6 52	12 16	0 30
T 21	23 29	5 57	0s46	23 39	0 24	15 22	2 15	23 21	0 27	19 44	0 39	22 29	1 0	1 25	0 42	13 43	1 50	6 54	12 56	9 55	9 31	6 55	12 17	0 30
F 22	23 29	0 20	1 48	23 56	0 35	15 41	2 14	23 25	0 27	19 41	0 39	22 29	1 0	1 25	0 42	13 42	1 50	6 54	12 56	9 55	9 33	6 58	12 18	0 30
S 23	23 29	5s14	2 44	24 11	0 44	16 0	2 13	23 29	0 28	19 38	0 39	22 30	1 0	1 25	0 42	13 42	1 50	6 54	12 56	9 55	9 34	7 2	12 18	0 30
S 24	23 28	10 38	3 34	24 22	0 53	16 19	2 12	23 33	0 28	19 35	0 39	22 30	1 0	1 26	0 42	13 42	1 50	6 54	12 56	9 55	9 35	7 5	12 19	0 30
M25	23 27	15 40	4 14	24 31	1 2	16 37	2 11	23 37	0 29	19 32	0 39	22 30	1 0	1 26	0 42	13 42	1 50	6 54	12 56	9 57	9 36	7 8	12 20	0 30
T 26	23 26	20 11	4 44	24 37	1 10	16 55	2 9	23 40	0 30	19 29	0 39	22 30	0 59	1 26	0 42	13 41	1 50	6 54	12 56	9 59	9 37	7 11	12 21	0 30
W27	23 24	23 55	5 1	24 41	1 17	17 13	2 8	23 44	0 30	19 26	0 39	22 30	0 59	1 26	0 42	13 41	1 50	6 54	12 57	10 2	9 38	7 15	12 21	0 31
T 28	23 22	26 37	5 4	24 41	1 24	17 30	2 6	23 47	0 31	19 23	0 39	22 30	0 59	1 27	0 42	13 41	1 50	6 55	12 57	10 5	9 40	7 18	12 22	0 31
F 29	23 19	28 0	4 52	24 39	1 30	17 47	2 5	23 49	0 31	19 20	0 39	22 30	0 59	1 27	0 42	13 41	1 50	6 55	12 57	10 9	9 41	7 21	12 23	0 31
S 30	23n16	27s51	4s24	24n34	1n35	18n 4	2s 3	23n52	0n32	19n17	0n39	22s30	0n59	1s28	0n41	13s41	1n50	6n55	12s57	10s12	9s42	7s25	12n23	0s31

Julian Day Number = 2318382.5, Delta T = 53.76 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'06, Lahiri = 18°46'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

JULY 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 35 5	8♋41'59	17♉ 0	13♋40	0♊35	24♊21	6♌51	28°R50	5♎16	11°R50	27♉ 3	3°R29	4♓56	11♎41	4♉ 1	S 1
M 2	18 39 1	9°39'09	0♒38	15°46	1°44	25° 1	7° 4	28♐46	5°17	11♏49	27° 4	3♓23	4°53	11°47	4° 3	M 2
T 3	18 42 58	10°36'19	14°27	17°51	2°54	25°42	7°16	28°41	5°18	11°48	27° 5	3°19	4°50	11°54	4° 6	T 3
W 4	18 46 54	11°33'30	28°24	19°55	4° 3	26°22	7°29	28°37	5°19	11°48	27° 6	3°D18	4°47	12° 1	4° 8	W 4
T 5	18 50 51	12°30'41	12♓28	21°56	5°13	27° 2	7°41	28°33	5°21	11°47	27° 7	3°18	4°44	12° 7	4° 9	T 5
F 6	18 54 48	13°27'53	26°35	23°56	6°23	27°43	7°54	28°29	5°22	11°46	27° 8	3°19	4°41	12°14	4°11	F 6
S 7	18 58 44	14°25'05	10♈44	25°55	7°32	28°23	8° 6	28°24	5°23	11°46	27° 9	3°R20	4°37	12°21	4°13	S 7
S 8	19 2 41	15°22'18	24°55	27°51	8°42	29° 3	8°19	28°20	5°24	11°45	27°10	3°20	4°34	12°27	4°15	S 8
M 9	19 6 37	16°19'31	9♉ 5	29°46	9°52	29°44	8°31	28°16	5°26	11°45	27°11	3°17	4°31	12°34	4°17	M 9
T 10	19 10 34	17°16'45	23°11	1♌39	11° 2	0♋24	8°44	28°12	5°27	11°44	27°12	3°13	4°28	12°41	4°19	T 10
W11	19 14 30	18°13'59	7♊13	3°30	12°13	1° 4	8°57	28° 8	5°28	11°44	27°13	3° 8	4°25	12°47	4°20	W11
T 12	19 18 27	19°11'15	21° 5	5°19	13°23	1°44	9° 9	28° 4	5°30	11°44	27°14	3° 1	4°22	12°54	4°22	T 12
F 13	19 22 24	20° 8'31	4♋45	7° 7	14°33	2°24	9°22	28° 0	5°31	11°43	27°15	2°54	4°18	13° 1	4°23	F 13
S 14	19 26 20	21° 5'47	18° 9	8°52	15°43	3° 4	9°35	27°56	5°33	11°43	27°15	2°48	4°15	13° 8	4°25	S 14
S 15	19 30 17	22° 3'04	1♌17	10°36	16°54	3°44	9°48	27°52	5°35	11°43	27°16	2°42	4°12	13°14	4°26	S 15
M16	19 34 13	23° 0'21	14° 7	12°18	18° 4	4°24	10° 1	27°49	5°36	11°42	27°17	2°39	4° 9	13°21	4°28	M16
T 17	19 38 10	23°57'39	26°39	13°58	19°15	5° 4	10°14	27°45	5°38	11°42	27°18	2°D37	4° 6	13°28	4°29	T 17
W18	19 42 6	24°54'57	8♍56	15°36	20°25	5°43	10°26	27°41	5°40	11°42	27°19	2°37	4° 2	13°34	4°30	W18
T 19	19 46 3	25°52'15	21° 0	17°12	21°36	6°23	10°39	27°38	5°42	11°42	27°20	2°39	3°59	13°41	4°32	T 19
F 20	19 49 59	26°49'34	2♎55	18°47	22°47	7° 3	10°52	27°34	5°44	11°41	27°20	2°40	3°56	13°48	4°33	F 20
S 21	19 53 56	27°46'53	14°45	20°19	23°58	7°43	11° 5	27°31	5°45	11°41	27°21	2°42	3°53	13°54	4°34	S 21
S 22	19 57 53	28°44'13	26°37	21°50	25° 9	8°22	11°18	27°27	5°47	11°41	27°22	2°R42	3°50	14° 1	4°35	S 22
M23	20 1 49	29°41'33	8♏33	23°19	26°20	9° 2	11°31	27°24	5°49	11°41	27°23	2°42	3°47	14° 8	4°36	M23
T 24	20 5 46	0♌38'54	20°40	24°46	27°31	9°41	11°44	27°20	5°51	11°D41	27°23	2°40	3°43	14°14	4°37	T 24
W25	20 9 42	1°36'16	3♐ 1	26°11	28°42	10°21	11°57	27°17	5°54	11°41	27°24	2°37	3°40	14°21	4°38	W25
T 26	20 13 39	2°33'38	15°41	27°35	29°53	11° 0	12°10	27°14	5°56	11°41	27°25	2°33	3°37	14°28	4°39	T 26
F 27	20 17 35	3°31'01	28°41	28°56	1♋ 4	11°40	12°23	27°11	5°58	11°41	27°25	2°29	3°34	14°34	4°39	F 27
S 28	20 21 32	4°28'24	12♉ 2	0♍15	2°15	12°19	12°37	27° 8	6° 0	11°41	27°26	2°24	3°31	14°41	4°40	S 28
S 29	20 25 28	5°25'48	25°43	1°32	3°27	12°59	12°50	27° 5	6° 2	11°42	27°27	2°21	3°28	14°48	4°41	S 29
M30	20 29 25	6°23'13	9♒43	2°47	4°38	13°38	13° 3	27° 2	6° 5	11°42	27°27	2°18	3°24	14°54	4°42	M30
T 31	20 33 22	7♌20'39	23♒57	4♍ 0	5♋50	14♋17	13♌16	26♐59	6♎ 7	11♏42	27♉28	2♓17	3♓21	15♎ 1	4♉42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n12	26s 4	3s42	24n26	1n40	18n20	2s 1	23n54	0n32	19n14	0n39	22s30	0n59	1s28	0n41	13s40	1n50	6n55	12s57	10s15	9s43	7s28	12n24	0s31
M 2	23 8	22 45	2 46	24 16	1 43	18 36	1 59	23 57	0 33	19 11	0 39	22 30	0 59	1 28	0 41	13 40	1 50	6 55	12 57	10 17	9 44	7 31	12 25	0 31
T 3	23 4	18 7	1 40	24 3	1 46	18 52	1 58	23 59	0 34	19 8	0 39	22 30	0 59	1 29	0 41	13 40	1 50	6 55	12 57	10 18	9 45	7 34	12 25	0 31
W 4	22 59	12 28	0 26	23 48	1 49	19 7	1 56	24 0	0 34	19 5	0 40	22 30	0 59	1 29	0 41	13 40	1 50	6 55	12 58	10 19	9 47	7 38	12 26	0 31
T 5	22 54	6 9	0n49	23 31	1 50	19 21	1 54	24 2	0 35	19 1	0 40	22 30	0 59	1 30	0 41	13 40	1 50	6 55	12 58	10 19	9 48	7 41	12 26	0 31
F 6	22 48	0n30	2 2	23 11	1 51	19 35	1 52	24 3	0 35	18 58	0 40	22 30	0 58	1 30	0 41	13 40	1 49	6 55	12 58	10 19	9 49	7 44	12 27	0 32
S 7	22 42	7 8	3 8	22 50	1 51	19 49	1 49	24 5	0 36	18 55	0 40	22 30	0 58	1 31	0 41	13 40	1 49	6 55	12 58	10 18	9 50	7 47	12 27	0 32
S 8	22 36	13 25	4 2	22 26	1 51	20 2	1 47	24 5	0 36	18 52	0 40	22 30	0 58	1 31	0 41	13 39	1 49	6 55	12 58	10 18	9 51	7 51	12 28	0 32
M 9	22 29	18 59	4 41	22 1	1 49	20 15	1 45	24 6	0 37	18 48	0 40	22 31	0 58	1 32	0 41	13 39	1 49	6 55	12 58	10 19	9 52	7 54	12 28	0 32
T 10	22 22	23 30	5 4	21 35	1 48	20 27	1 43	24 7	0 37	18 45	0 40	22 31	0 58	1 32	0 41	13 39	1 49	6 55	12 59	10 21	9 54	7 57	12 29	0 32
W11	22 15	26 37	5 7	21 7	1 45	20 39	1 40	24 7	0 38	18 42	0 40	22 31	0 58	1 33	0 41	13 39	1 49	6 55	12 59	10 23	9 55	8 0	12 29	0 32
T 12	22 7	28 4	4 53	20 38	1 42	20 50	1 38	24 7	0 39	18 39	0 40	22 31	0 58	1 34	0 41	13 39	1 49	6 55	12 59	10 25	9 56	8 4	12 30	0 32
F 13	21 58	27 46	4 22	20 7	1 39	21 1	1 35	24 7	0 39	18 35	0 40	22 31	0 58	1 34	0 41	13 39	1 49	6 55	12 59	10 28	9 57	8 7	12 30	0 32
S 14	21 50	25 51	3 37	19 36	1 35	21 11	1 33	24 7	0 40	18 32	0 40	22 31	0 58	1 35	0 41	13 39	1 49	6 55	12 59	10 30	9 58	8 10	12 31	0 32
S 15	21 41	22 33	2 42	19 3	1 30	21 21	1 30	24 6	0 40	18 28	0 40	22 31	0 57	1 36	0 41	13 39	1 49	6 55	12 59	10 32	9 59	8 13	12 31	0 33
M16	21 31	18 12	1 39	18 30	1 25	21 30	1 28	24 6	0 41	18 25	0 40	22 31	0 57	1 36	0 41	13 39	1 49	6 55	13 0	10 33	10 1	8 17	12 31	0 33
T 17	21 22	13 10	0 32	17 56	1 19	21 38	1 25	24 5	0 41	18 22	0 40	22 31	0 57	1 37	0 41	13 39	1 49	6 55	13 0	10 34	10 2	8 20	12 32	0 33
W18	21 11	7 43	0s34	17 22	1 13	21 46	1 23	24 4	0 42	18 18	0 40	22 31	0 57	1 38	0 41	13 39	1 49	6 55	13 0	10 34	10 3	8 23	12 32	0 33
T 19	21 1	2 4	1 39	16 46	1 7	21 54	1 20	24 2	0 42	18 15	0 40	22 31	0 57	1 39	0 41	13 39	1 49	6 55	13 0	10 33	10 4	8 26	12 32	0 33
F 20	20 50	3s34	2 38	16 11	1 0	22 0	1 17	24 1	0 43	18 11	0 40	22 31	0 57	1 39	0 41	13 39	1 49	6 55	13 0	10 33	10 5	8 30	12 33	0 33
S 21	20 39	9 3	3 30	15 35	0 53	22 7	1 14	23 59	0 43	18 8	0 40	22 31	0 57	1 40	0 41	13 39	1 49	6 55	13 1	10 32	10 6	8 33	12 33	0 33
S 22	20 27	14 12	4 13	14 58	0 45	22 12	1 12	23 57	0 44	18 4	0 40	22 31	0 57	1 41	0 41	13 39	1 49	6 55	13 1	10 32	10 7	8 36	12 33	0 33
M23	20 15	18 53	4 45	14 22	0 37	22 17	1 9	23 55	0 44	18 0	0 40	22 31	0 56	1 42	0 41	13 39	1 48	6 55	13 1	10 32	10 9	8 39	12 33	0 34
T 24	20 3	22 52	5 6	13 45	0 29	22 22	1 6	23 53	0 45	17 57	0 40	22 31	0 56	1 43	0 41	13 39	1 48	6 55	13 1	10 33	10 10	8 43	12 33	0 34
W25	19 51	25 55	5 13	13 8	0 21	22 26	1 3	23 50	0 46	17 53	0 40	22 32	0 56	1 44	0 40	13 39	1 48	6 55	13 1	10 34	10 11	8 46	12 34	0 34
T 26	19 38	27 46	5 5	12 31	0 12	22 29	1 0	23 48	0 46	17 50	0 41	22 32	0 56	1 44	0 40	13 39	1 48	6 55	13 2	10 35	10 12	8 49	12 34	0 34
F 27	19 24	28 10	4 41	11 55	0 2	22 32	0 57	23 45	0 47	17 46	0 41	22 32	0 56	1 45	0 40	13 39	1 48	6 55	13 2	10 37	10 13	8 52	12 34	0 34
S 28	19 11	26 57	4 1	11 18	0s 7	22 34	0 54	23 42	0 47	17 42	0 41	22 32	0 56	1 46	0 40	13 39	1 48	6 55	13 2	10 38	10 14	8 55	12 34	0 34
S 29	18 57	24 7	3 7	10 42	0 17	22 35	0 51	23 39	0 48	17 39	0 41	22 32	0 56	1 47	0 40	13 40	1 48	6 55	13 2	10 40	10 16	8 59	12 34	0 34
M30	18 43	19 48	2 1	10 5	0 26	22 36	0 49	23 35	0 48	17 35	0 41	22 32	0 55	1 48	0 40	13 40	1 48	6 55	13 2	10 41	10 17	9 2	12 34	0 34
T 31	18n28	14s17	0s46	9n30	0s37	22n36	0s46	23n32	0n49	17n31	0n41	22s32	0n55	1s49	0n40	13s40	1n48	6n55	13s 3	10s41	10s18	9s 5	12n34	0s34

Julian Day Number = 2318412.5, Delta T = 53.70 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'10, Lahiri = 18°46'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

AUGUST 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 37 18	8♌18'06	8♓20	5♍11	7♋ 1	14♋56	13♌29	26°R56	6♎ 9	11♏42	27♉28	2°D17	3♓18	15♎ 8	4♉43	W 1
T 2	20 41 15	9°15'35	22°48	6°19	8°13	15°35	13°42	26♐54	6°12	11°42	27°29	2♓18	3°15	15°14	4°43	T 2
F 3	20 45 11	10°13'04	7♈16	7°25	9°24	16°15	13°55	26°51	6°14	11°43	27°29	2°19	3°12	15°21	4°43	F 3
S 4	20 49 8	11°10'35	21°39	8°29	10°36	16°54	14° 8	26°48	6°17	11°43	27°30	2°20	3° 8	15°28	4°44	S 4
S 5	20 53 4	12° 8'07	5♉54	9°30	11°48	17°33	14°21	26°46	6°19	11°43	27°30	2°R21	3° 5	15°34	4°44	S 5
M 6	20 57 1	13° 5'41	20° 0	10°28	13° 0	18°12	14°35	26°44	6°22	11°44	27°31	2°21	3° 2	15°41	4°44	M 6
T 7	21 0 57	14° 3'17	3♊54	11°23	14°12	18°51	14°48	26°41	6°25	11°44	27°31	2°20	2°59	15°48	4°44	T 7
W 8	21 4 54	15° 0'53	17°36	12°16	15°24	19°30	15° 1	26°39	6°27	11°45	27°32	2°18	2°56	15°54	4°44	W 8
T 9	21 8 51	15°58'32	1♋ 5	13° 5	16°36	20° 9	15°14	26°37	6°30	11°45	27°32	2°16	2°53	16° 1	4°R44	T 9
F 10	21 12 47	16°56'12	14°19	13°51	17°48	20°48	15°27	26°35	6°33	11°46	27°32	2°14	2°49	16° 8	4°44	F 10
S 11	21 16 44	17°53'53	27°20	14°33	19° 0	21°26	15°40	26°33	6°35	11°46	27°33	2°12	2°46	16°15	4°44	S 11
S 12	21 20 40	18°51'36	10♌ 6	15°12	20°12	22° 5	15°54	26°31	6°38	11°47	27°33	2°11	2°43	16°21	4°44	S 12
M13	21 24 37	19°49'19	22°39	15°47	21°25	22°44	16° 7	26°29	6°41	11°48	27°33	2°10	2°40	16°28	4°44	M13
T 14	21 28 33	20°47'05	4♍59	16°17	22°37	23°23	16°20	26°28	6°44	11°48	27°34	2°D10	2°37	16°35	4°44	T 14
W15	21 32 30	21°44'51	17° 8	16°44	23°50	24° 1	16°33	26°26	6°47	11°49	27°34	2°10	2°34	16°41	4°43	W15
T 16	21 36 26	22°42'39	29° 7	17° 6	25° 2	24°40	16°46	26°24	6°50	11°50	27°34	2°11	2°30	16°48	4°43	T 16
F 17	21 40 23	23°40'28	11♎ 0	17°23	26°15	25°19	16°59	26°23	6°53	11°50	27°35	2°12	2°27	16°55	4°43	F 17
S 18	21 44 20	24°38'18	22°50	17°35	27°27	25°57	17°12	26°22	6°56	11°51	27°35	2°13	2°24	17° 1	4°42	S 18
S 19	21 48 16	25°36'10	4♏40	17°41	28°40	26°36	17°25	26°20	6°59	11°52	27°35	2°13	2°21	17° 8	4°42	S 19
M20	21 52 13	26°34'03	16°36	17°R42	29°53	27°14	17°38	26°19	7° 2	11°53	27°35	2°14	2°18	17°15	4°41	M20
T 21	21 56 9	27°31'57	28°42	17°37	1♌ 5	27°52	17°51	26°18	7° 5	11°54	27°35	2°R14	2°14	17°21	4°40	T 21
W22	22 0 6	28°29'52	11♐ 1	17°27	2°18	28°31	18° 5	26°17	7° 8	11°55	27°35	2°14	2°11	17°28	4°40	W22
T 23	22 4 2	29°27'49	23°39	17°10	3°31	29° 9	18°18	26°17	7°11	11°56	27°36	2°13	2° 8	17°35	4°39	T 23
F 24	22 7 59	0♍25'47	6♑39	16°47	4°44	29°48	18°31	26°16	7°15	11°56	27°36	2°13	2° 5	17°41	4°38	F 24
S 25	22 11 55	1°23'47	20° 3	16°19	5°57	0♌26	18°44	26°15	7°18	11°57	27°36	2°13	2° 2	17°48	4°37	S 25
S 26	22 15 52	2°21'48	3♒53	15°44	7°10	1° 4	18°56	26°15	7°21	11°58	27°36	2°D13	1°59	17°55	4°36	S 26
M27	22 19 49	3°19'50	18° 6	15° 4	8°23	1°42	19° 9	26°14	7°24	12° 0	27°36	2°13	1°55	18° 1	4°35	M27
T 28	22 23 45	4°17'54	2♓38	14°18	9°36	2°20	19°22	26°14	7°28	12° 1	27°R36	2°R13	1°52	18° 8	4°34	T 28
W29	22 27 42	5°16'00	17°25	13°28	10°49	2°58	19°35	26°13	7°31	12° 2	27°36	2°13	1°49	18°15	4°33	W29
T 30	22 31 38	6°14'07	2♈19	12°34	12° 2	3°36	19°48	26°13	7°34	12° 3	27°36	2°13	1°46	18°22	4°32	T 30
F 31	22 35 35	7♍12'16	17♈11	11♍38	13♌16	4♌15	20♌ 1	26°D13	7♎38	12♏ 4	27♉36	2♓12	1♓43	18♎28	4♉31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n14	7s57	0n33	8n54	0s47	22n36	0s43	23n28	0n49	17n28	0n41	22s32	0n55	1s50	0n40	13s40	1n48	6n55	13s 3	10s41	10s19	9s 8	12n34	0s35
T 2	17 59	1 10	1 51	8 19	0 57	22 34	0 40	23 24	0 50	17 24	0 41	22 32	0 55	1 51	0 40	13 40	1 48	6 54	13 3	10 41	10 20	9 11	12 35	0 35
F 3	17 43	5n39	3 1	7 45	1 8	22 33	0 37	23 20	0 50	17 20	0 41	22 32	0 55	1 52	0 40	13 40	1 48	6 54	13 3	10 40	10 21	9 15	12 35	0 35
S 4	17 27	12 9	3 59	7 12	1 19	22 30	0 34	23 15	0 51	17 17	0 41	22 32	0 55	1 53	0 40	13 40	1 48	6 54	13 4	10 40	10 22	9 18	12 35	0 35
S 5	17 11	17 57	4 43	6 39	1 30	22 27	0 31	23 11	0 51	17 13	0 41	22 32	0 55	1 54	0 40	13 41	1 48	6 54	13 4	10 40	10 24	9 21	12 35	0 35
M 6	16 55	22 43	5 8	6 7	1 40	22 24	0 28	23 6	0 52	17 9	0 41	22 33	0 54	1 55	0 40	13 41	1 48	6 54	13 4	10 40	10 25	9 24	12 34	0 35
T 7	16 39	26 8	5 15	5 35	1 51	22 19	0 25	23 1	0 52	17 5	0 41	22 33	0 54	1 56	0 40	13 41	1 48	6 54	13 4	10 40	10 26	9 27	12 34	0 35
W 8	16 22	27 57	5 4	5 5	2 3	22 14	0 22	22 56	0 53	17 1	0 41	22 33	0 54	1 57	0 40	13 41	1 48	6 54	13 5	10 40	10 27	9 31	12 34	0 35
T 9	16 5	28 6	4 37	4 36	2 14	22 9	0 19	22 51	0 53	16 58	0 41	22 33	0 54	1 58	0 40	13 41	1 47	6 54	13 5	10 41	10 28	9 34	12 34	0 36
F 10	15 48	26 36	3 55	4 9	2 25	22 2	0 16	22 46	0 54	16 54	0 42	22 33	0 54	2 0	0 40	13 42	1 47	6 53	13 5	10 42	10 29	9 37	12 34	0 36
S 11	15 30	23 42	3 1	3 42	2 36	21 56	0 13	22 40	0 54	16 50	0 42	22 33	0 54	2 1	0 40	13 42	1 47	6 53	13 5	10 43	10 30	9 40	12 34	0 36
S 12	15 12	19 40	1 59	3 17	2 46	21 48	0 10	22 35	0 55	16 46	0 42	22 33	0 53	2 2	0 40	13 42	1 47	6 53	13 5	10 43	10 32	9 43	12 34	0 36
M13	14 54	14 49	0 52	2 54	2 57	21 40	0 7	22 29	0 55	16 42	0 42	22 33	0 53	2 3	0 40	13 42	1 47	6 53	13 6	10 44	10 33	9 47	12 34	0 36
T 14	14 36	9 28	0s16	2 32	3 8	21 31	0 4	22 23	0 56	16 38	0 42	22 33	0 53	2 4	0 40	13 42	1 47	6 53	13 6	10 44	10 34	9 50	12 33	0 36
W15	14 17	3 50	1 22	2 13	3 18	21 22	0 1	22 16	0 56	16 34	0 42	22 33	0 53	2 5	0 40	13 43	1 47	6 53	13 6	10 43	10 35	9 53	12 33	0 36
T 16	13 58	1s51	2 24	1 55	3 28	21 12	0n 2	22 10	0 57	16 31	0 42	22 34	0 53	2 7	0 40	13 43	1 47	6 52	13 6	10 43	10 36	9 56	12 33	0 36
F 17	13 39	7 25	3 19	1 40	3 37	21 1	0 4	22 4	0 57	16 27	0 42	22 34	0 53	2 8	0 40	13 43	1 47	6 52	13 7	10 43	10 37	9 59	12 33	0 37
S 18	13 20	12 41	4 5	1 27	3 47	20 50	0 7	21 57	0 58	16 23	0 42	22 34	0 53	2 9	0 40	13 44	1 47	6 52	13 7	10 43	10 38	10 2	12 32	0 37
S 19	13 1	17 31	4 41	1 16	3 55	20 38	0 10	21 50	0 58	16 19	0 42	22 34	0 52	2 10	0 40	13 44	1 47	6 52	13 7	10 42	10 40	10 6	12 32	0 37
M20	12 41	21 42	5 6	1 9	4 3	20 26	0 13	21 43	0 59	16 15	0 42	22 34	0 52	2 11	0 40	13 44	1 47	6 52	13 7	10 42	10 41	10 9	12 32	0 37
T 21	12 21	25 3	5 17	1 4	4 10	20 13	0 16	21 36	0 59	16 11	0 42	22 34	0 52	2 13	0 40	13 45	1 47	6 51	13 8	10 42	10 42	10 12	12 31	0 37
W22	12 1	27 19	5 14	1 2	4 16	19 59	0 18	21 29	1 0	16 7	0 43	22 34	0 52	2 14	0 40	13 45	1 47	6 51	13 8	10 42	10 43	10 15	12 31	0 37
T 23	11 41	28 15	4 55	1 4	4 21	19 45	0 21	21 21	1 0	16 3	0 43	22 34	0 52	2 15	0 40	13 45	1 47	6 51	13 8	10 42	10 44	10 18	12 31	0 37
F 24	11 21	27 41	4 22	1 9	4 25	19 30	0 24	21 14	1 1	15 59	0 43	22 35	0 52	2 16	0 40	13 46	1 47	6 51	13 8	10 42	10 45	10 21	12 30	0 37
S 25	11 0	25 30	3 33	1 18	4 28	19 15	0 26	21 6	1 1	15 55	0 43	22 35	0 51	2 18	0 40	13 46	1 46	6 51	13 9	10 42	10 46	10 24	12 30	0 38
S 26	10 39	21 46	2 31	1 31	4 29	18 59	0 29	20 58	1 2	15 51	0 43	22 35	0 51	2 19	0 39	13 46	1 46	6 50	13 9	10 42	10 48	10 28	12 29	0 38
M27	10 18	16 40	1 18	1 47	4 28	18 43	0 31	20 50	1 2	15 47	0 43	22 35	0 51	2 20	0 39	13 47	1 46	6 50	13 9	10 42	10 49	10 31	12 29	0 38
T 28	9 57	10 31	0n 2	2 6	4 26	18 26	0 34	20 42	1 3	15 43	0 43	22 35	0 51	2 22	0 39	13 47	1 46	6 50	13 9	10 42	10 50	10 34	12 29	0 38
W29	9 36	3 42	1 23	2 29	4 22	18 8	0 36	20 34	1 3	15 39	0 43	22 35	0 51	2 23	0 39	13 47	1 46	6 50	13 10	10 42	10 51	10 37	12 28	0 38
T 30	9 15	3n21	2 39	2 55	4 16	17 50	0 39	20 25	1 4	15 36	0 43	22 35	0 51	2 24	0 39	13 48	1 46	6 49	13 10	10 43	10 52	10 40	12 28	0 38
F 31	8n53	10n13	3n44	3n24	4s 8	17n32	0n41	20n17	1n 4	15n32	0n43	22s36	0n50	2s26	0n39	13s48	1n46	6n49	13s10	10s43	10s53	10s43	12n27	0s38

Julian Day Number = 2318443.5, Delta T = 53.64 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'14, Lahiri = 18°46'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

SEPTEMBER 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 39 31	8♍10'27	1♉56	10°R39	14♌29	4♌53	20♌14	26♐13	7♎41	12♏ 5	27°R36	2°R12	1♓40	18♎35	4°R29	S 1
S 2	22 43 28	9° 8'40	16°26	9♍40	15°42	5°30	20°27	26°13	7°44	12° 6	27♉36	2♓11	1°36	18°42	4♉28	S 2
M 3	22 47 24	10° 6'56	0♊38	8°41	16°56	6° 8	20°39	26°13	7°48	12° 8	27°35	2°11	1°33	18°48	4°27	M 3
T 4	22 51 21	11° 5'13	14°31	7°45	18° 9	6°46	20°52	26°14	7°51	12° 9	27°35	2°D11	1°30	18°55	4°25	T 4
W 5	22 55 18	12° 3'33	28° 3	6°52	19°23	7°24	21° 5	26°14	7°55	12°10	27°35	2°11	1°27	19° 2	4°24	W 5
T 6	22 59 14	13° 1'55	11♋16	6° 3	20°37	8° 2	21°17	26°15	7°58	12°12	27°35	2°12	1°24	19° 8	4°22	T 6
F 7	23 3 11	14° 0'18	24°11	5°20	21°50	8°40	21°30	26°15	8° 2	12°13	27°35	2°13	1°20	19°15	4°21	F 7
S 8	23 7 7	14°58'44	6♌52	4°44	23° 4	9°17	21°43	26°16	8° 5	12°14	27°35	2°14	1°17	19°22	4°19	S 8
S 9	23 11 4	15°57'12	19°19	4°16	24°18	9°55	21°55	26°17	8° 9	12°16	27°34	2°15	1°14	19°28	4°17	S 9
M10	23 15 0	16°55'42	1♍35	3°57	25°32	10°33	22° 8	26°18	8°12	12°17	27°34	2°R15	1°11	19°35	4°15	M10
T 11	23 18 57	17°54'14	13°42	3°46	26°45	11°10	22°20	26°19	8°16	12°19	27°34	2°15	1° 8	19°42	4°14	T 11
W12	23 22 53	18°52'47	25°42	3°D45	27°59	11°48	22°33	26°20	8°20	12°20	27°33	2°13	1° 5	19°48	4°12	W12
T 13	23 26 50	19°51'23	7♎36	3°54	29°13	12°25	22°45	26°21	8°23	12°22	27°33	2°11	1° 1	19°55	4°10	T 13
F 14	23 30 47	20°50'00	19°27	4°12	0♍27	13° 3	22°57	26°22	8°27	12°23	27°33	2° 9	0°58	20° 2	4° 8	F 14
S 15	23 34 43	21°48'40	1♏16	4°39	1°41	13°40	23°10	26°24	8°31	12°25	27°32	2° 5	0°55	20° 9	4° 6	S 15
S 16	23 38 40	22°47'21	13° 7	5°16	2°55	14°18	23°22	26°25	8°34	12°26	27°32	2° 2	0°52	20°15	4° 4	S 16
M17	23 42 36	23°46'04	25° 3	6° 1	4° 9	14°55	23°34	26°27	8°38	12°28	27°32	1°59	0°49	20°22	4° 2	M17
T 18	23 46 33	24°44'48	7♐ 7	6°54	5°24	15°32	23°46	26°28	8°42	12°30	27°31	1°57	0°45	20°29	4° 0	T 18
W19	23 50 29	25°43'35	19°23	7°55	6°38	16°10	23°58	26°30	8°45	12°31	27°31	1°56	0°42	20°35	3°58	W19
T 20	23 54 26	26°42'23	1♑56	9° 3	7°52	16°47	24°10	26°32	8°49	12°33	27°30	1°D56	0°39	20°42	3°55	T 20
F 21	23 58 22	27°41'13	14°50	10°17	9° 6	17°24	24°22	26°34	8°53	12°35	27°30	1°57	0°36	20°49	3°53	F 21
S 22	0 2 19	28°40'05	28° 9	11°37	10°20	18° 1	24°34	26°36	8°57	12°36	27°29	1°58	0°33	20°55	3°51	S 22
S 23	0 6 16	29°38'58	11♒54	13° 2	11°35	18°38	24°46	26°38	9° 0	12°38	27°29	2° 0	0°30	21° 2	3°49	S 23
M24	0 10 12	0♎37'53	26° 7	14°31	12°49	19°15	24°58	26°40	9° 4	12°40	27°28	2°R 1	0°26	21° 9	3°46	M24
T 25	0 14 9	1°36'50	10♓45	16° 4	14° 4	19°52	25°10	26°43	9° 8	12°42	27°28	2° 1	0°23	21°15	3°44	T 25
W26	0 18 5	2°35'49	25°43	17°40	15°18	20°29	25°21	26°45	9°12	12°43	27°27	1°59	0°20	21°22	3°41	W26
T 27	0 22 2	3°34'49	10♈54	19°18	16°32	21° 6	25°33	26°47	9°15	12°45	27°27	1°56	0°17	21°29	3°39	T 27
F 28	0 25 58	4°33'52	26° 8	20°59	17°47	21°43	25°44	26°50	9°19	12°47	27°26	1°52	0°14	21°36	3°36	F 28
S 29	0 29 55	5°32'57	11♉14	22°41	19° 1	22°20	25°56	26°53	9°23	12°49	27°25	1°47	0°11	21°42	3°34	S 29
S 30	0 33 51	6♎32'05	26♉ 3	24♍25	20♍16	22♌57	26♌ 7	26♐56	9♎27	12♏51	27♉25	1♓42	0♓ 7	21♎49	3♉31	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n31	16n27	4n34	3n55	3s58	17n13	0n43	20n 8	1n 5	15n28	0n43	22s36	0n50	2s27	0n39	13s49	1n46	6n49	13s10	10s43	10s54	10s46	12n26	0s38
S 2	8 9	21 39	5 5	4 28	3 46	16 53	0 46	19 59	1 5	15 24	0 44	22 36	0 50	2 28	0 39	13 49	1 46	6 49	13 11	10 43	10 56	10 50	12 26	0 38
M 3	7 47	25 29	5 17	5 2	3 33	16 33	0 48	19 50	1 6	15 20	0 44	22 36	0 50	2 30	0 39	13 49	1 46	6 48	13 11	10 43	10 57	10 53	12 25	0 39
T 4	7 25	27 43	5 10	5 38	3 17	16 13	0 50	19 41	1 6	15 16	0 44	22 36	0 50	2 31	0 39	13 50	1 46	6 48	13 11	10 43	10 58	10 56	12 25	0 39
W 5	7 3	28 14	4 45	6 13	3 1	15 52	0 52	19 32	1 7	15 12	0 44	22 36	0 50	2 33	0 39	13 50	1 46	6 48	13 11	10 43	10 59	10 59	12 24	0 39
T 6	6 41	27 6	4 6	6 47	2 43	15 31	0 54	19 23	1 7	15 8	0 44	22 37	0 50	2 34	0 39	13 51	1 46	6 48	13 12	10 43	11 0	11 2	12 24	0 39
F 7	6 18	24 32	3 15	7 20	2 25	15 9	0 56	19 13	1 7	15 4	0 44	22 37	0 49	2 35	0 39	13 51	1 46	6 47	13 12	10 43	11 1	11 5	12 23	0 39
S 8	5 56	20 47	2 16	7 51	2 5	14 47	0 58	19 4	1 8	15 0	0 44	22 37	0 49	2 37	0 39	13 52	1 46	6 47	13 12	10 42	11 2	11 8	12 22	0 39
S 9	5 33	16 11	1 11	8 19	1 46	14 24	1 0	18 54	1 8	14 56	0 44	22 37	0 49	2 38	0 39	13 52	1 46	6 47	13 12	10 42	11 3	11 11	12 22	0 39
M10	5 10	10 59	0 4	8 45	1 26	14 1	1 2	18 44	1 9	14 52	0 45	22 37	0 49	2 40	0 39	13 53	1 46	6 46	13 12	10 42	11 5	11 14	12 21	0 39
T 11	4 47	5 27	1s 3	9 7	1 7	13 37	1 4	18 34	1 9	14 48	0 45	22 38	0 49	2 41	0 39	13 53	1 46	6 46	13 13	10 42	11 6	11 18	12 20	0 40
W12	4 25	0s13	2 6	9 25	0 48	13 14	1 6	18 24	1 10	14 44	0 45	22 38	0 49	2 43	0 39	13 54	1 46	6 46	13 13	10 42	11 7	11 21	12 19	0 40
T 13	4 2	5 49	3 3	9 39	0 29	12 49	1 7	18 14	1 10	14 40	0 45	22 38	0 48	2 44	0 39	13 54	1 46	6 46	13 13	10 43	11 8	11 24	12 19	0 40
F 14	3 38	11 12	3 52	9 48	0 12	12 25	1 9	18 4	1 11	14 36	0 45	22 38	0 48	2 45	0 39	13 55	1 45	6 45	13 13	10 44	11 9	11 27	12 18	0 40
S 15	3 15	16 10	4 30	9 54	0n 5	12 0	1 11	17 54	1 11	14 32	0 45	22 38	0 48	2 47	0 39	13 55	1 45	6 45	13 14	10 45	11 10	11 30	12 17	0 40
S 16	2 52	20 32	4 58	9 55	0 20	11 35	1 12	17 43	1 12	14 28	0 45	22 38	0 48	2 48	0 39	13 56	1 45	6 45	13 14	10 46	11 11	11 33	12 16	0 40
M17	2 29	24 7	5 12	9 52	0 35	11 9	1 14	17 33	1 12	14 24	0 45	22 39	0 48	2 50	0 39	13 56	1 45	6 44	13 14	10 47	11 13	11 36	12 15	0 40
T 18	2 5	26 41	5 13	9 44	0 48	10 43	1 15	17 22	1 13	14 20	0 46	22 39	0 48	2 51	0 39	13 57	1 45	6 44	13 14	10 48	11 14	11 39	12 15	0 40
W19	1 42	28 3	5 0	9 33	1 0	10 17	1 16	17 11	1 13	14 17	0 46	22 39	0 48	2 53	0 39	13 57	1 45	6 44	13 14	10 49	11 15	11 42	12 14	0 41
T 20	1 19	28 1	4 33	9 17	1 11	9 50	1 18	17 0	1 14	14 13	0 46	22 39	0 47	2 54	0 39	13 58	1 45	6 44	13 15	10 49	11 16	11 45	12 13	0 41
F 21	0 55	26 29	3 51	8 58	1 20	9 23	1 19	16 49	1 14	14 9	0 46	22 39	0 47	2 56	0 39	13 58	1 45	6 43	13 15	10 48	11 17	11 48	12 12	0 41
S 22	0 32	23 26	2 55	8 35	1 28	8 56	1 20	16 39	1 14	14 5	0 46	22 40	0 47	2 57	0 39	13 59	1 45	6 43	13 15	10 48	11 18	11 51	12 11	0 41
S 23	0 8	18 59	1 48	8 9	1 35	8 29	1 21	16 27	1 15	14 1	0 46	22 40	0 47	2 59	0 39	14 0	1 45	6 43	13 15	10 47	11 19	11 54	12 10	0 41
M24	0s15	13 21	0 32	7 40	1 41	8 1	1 22	16 16	1 15	13 57	0 46	22 40	0 47	3 0	0 39	14 0	1 45	6 42	13 16	10 47	11 20	11 57	12 9	0 41
T 25	0 39	6 49	0n48	7 8	1 46	7 34	1 23	16 5	1 16	13 53	0 46	22 40	0 47	3 2	0 39	14 1	1 45	6 42	13 16	10 47	11 22	12 1	12 8	0 41
W26	1 2	0n13	2 6	6 34	1 50	7 6	1 24	15 54	1 16	13 50	0 47	22 41	0 46	3 3	0 39	14 1	1 45	6 42	13 16	10 47	11 23	12 4	12 8	0 41
T 27	1 26	7 20	3 17	5 58	1 52	6 37	1 25	15 42	1 17	13 46	0 47	22 41	0 46	3 5	0 39	14 2	1 45	6 41	13 16	10 49	11 24	12 7	12 7	0 41
F 28	1 49	14 2	4 13	5 19	1 54	6 9	1 25	15 31	1 17	13 42	0 47	22 41	0 46	3 6	0 39	14 3	1 45	6 41	13 16	10 50	11 25	12 10	12 6	0 42
S 29	2 13	19 51	4 52	4 40	1 55	5 40	1 26	15 19	1 18	13 38	0 47	22 41	0 46	3 8	0 39	14 3	1 45	6 41	13 17	10 52	11 26	12 13	12 5	0 42
S 30	2s36	24n19	5n10	3n59	1n55	5n11	1n27	15n 8	1n18	13n35	0n47	22s41	0n46	3s 9	0n39	14s 4	1n45	6n40	13s17	10s53	11s27	12s16	12n 4	0s42

Julian Day Number = 2318474.5, Delta T = 53.57 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'18, Lahiri = 18°46'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

OCTOBER 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 37 48	7♎31'15	10♊29	26♍10	21♍31	23♌34	26♌19	26♐58	9♎30	12♏53	27°R24	1°R38	0♓ 4	21♎56	3°R29	M 1
T 2	0 41 44	8°30'27	24°29	27°55	22°45	24°10	26°30	27° 1	9°34	12°55	27♉23	1♓36	0° 1	22° 2	3♉26	T 2
W 3	0 45 41	9°29'41	8♋ 2	29°41	24° 0	24°47	26°41	27° 4	9°38	12°57	27°23	1°D35	29♒58	22° 9	3°23	W 3
T 4	0 49 38	10°28'58	21°10	1♎27	25°15	25°24	26°52	27° 8	9°42	12°59	27°22	1°35	29°55	22°16	3°21	T 4
F 5	0 53 34	11°28'17	3♌56	3°12	26°30	26° 0	27° 3	27°11	9°46	13° 1	27°21	1°37	29°51	22°22	3°18	F 5
S 6	0 57 31	12°27'39	16°25	4°58	27°44	26°37	27°14	27°14	9°49	13° 3	27°20	1°38	29°48	22°29	3°15	S 6
S 7	1 1 27	13°27'02	28°39	6°44	28°59	27°13	27°25	27°17	9°53	13° 5	27°20	1°R39	29°45	22°36	3°13	S 7
M 8	1 5 24	14°26'28	10♍43	8°29	0♎14	27°50	27°36	27°21	9°57	13° 7	27°19	1°39	29°42	22°42	3°10	M 8
T 9	1 9 20	15°25'56	22°40	10°14	1°29	28°26	27°47	27°24	10° 1	13° 9	27°18	1°36	29°39	22°49	3° 7	T 9
W10	1 13 17	16°25'26	4♎33	11°58	2°44	29° 2	27°58	27°28	10° 4	13°11	27°17	1°32	29°36	22°56	3° 4	W10
T 11	1 17 13	17°24'58	16°23	13°42	3°59	29°39	28° 8	27°32	10° 8	13°13	27°17	1°25	29°32	23° 3	3° 1	T 11
F 12	1 21 10	18°24'33	28°13	15°26	5°14	0♍15	28°19	27°36	10°12	13°15	27°16	1°17	29°29	23° 9	2°58	F 12
S 13	1 25 7	19°24'09	10♏ 4	17° 8	6°29	0°51	28°29	27°39	10°16	13°17	27°15	1° 7	29°26	23°16	2°55	S 13
S 14	1 29 3	20°23'47	21°59	18°50	7°44	1°27	28°39	27°43	10°19	13°19	27°14	0°58	29°23	23°23	2°52	S 14
M15	1 33 0	21°23'28	3♐58	20°32	8°59	2° 3	28°50	27°47	10°23	13°21	27°13	0°49	29°20	23°29	2°50	M15
T 16	1 36 56	22°23'10	16° 5	22°13	10°14	2°39	29° 0	27°52	10°27	13°23	27°12	0°41	29°17	23°36	2°47	T 16
W17	1 40 53	23°22'54	28°22	23°53	11°29	3°15	29°10	27°56	10°31	13°25	27°11	0°36	29°13	23°43	2°44	W17
T 18	1 44 49	24°22'39	10♑52	25°33	12°44	3°51	29°20	28° 0	10°34	13°28	27°10	0°32	29°10	23°49	2°41	T 18
F 19	1 48 46	25°22'27	23°41	27°12	13°59	4°27	29°29	28° 4	10°38	13°30	27° 9	0°D31	29° 7	23°56	2°38	F 19
S 20	1 52 42	26°22'16	6♒50	28°51	15°14	5° 3	29°39	28° 9	10°42	13°32	27° 9	0°32	29° 4	24° 3	2°35	S 20
S 21	1 56 39	27°22'06	20°25	0♏29	16°29	5°39	29°49	28°13	10°45	13°34	27° 8	0°33	29° 1	24°10	2°32	S 21
M22	2 0 36	28°21'59	4♓26	2° 6	17°44	6°15	29°58	28°18	10°49	13°36	27° 7	0°R33	28°57	24°16	2°29	M22
T 23	2 4 32	29°21'53	18°55	3°43	18°59	6°50	0♍ 8	28°23	10°53	13°38	27° 6	0°32	28°54	24°23	2°26	T 23
W24	2 8 29	0♏21'48	3♈48	5°20	20°15	7°26	0°17	28°27	10°56	13°41	27° 5	0°28	28°51	24°30	2°23	W24
T 25	2 12 25	1°21'46	18°59	6°56	21°30	8° 1	0°26	28°32	11° 0	13°43	27° 4	0°22	28°48	24°36	2°20	T 25
F 26	2 16 22	2°21'45	4♉19	8°31	22°45	8°37	0°35	28°37	11° 4	13°45	27° 3	0°13	28°45	24°43	2°17	F 26
S 27	2 20 18	3°21'46	19°36	10° 6	24° 0	9°12	0°44	28°42	11° 7	13°47	27° 2	0° 3	28°42	24°50	2°14	S 27
S 28	2 24 15	4°21'49	4♊38	11°40	25°15	9°48	0°53	28°47	11°11	13°49	27° 1	29♒54	28°38	24°56	2°11	S 28
M29	2 28 11	5°21'55	19°18	13°15	26°31	10°23	1° 2	28°52	11°14	13°52	27° 0	29°45	28°35	25° 3	2° 8	M29
T 30	2 32 8	6°22'02	3♋30	14°48	27°46	10°58	1°11	28°57	11°18	13°54	26°58	29°39	28°32	25°10	2° 5	T 30
W31	2 36 5	7♏22'12	17♋11	16♏21	29♎ 1	11♍34	1♍19	29♐ 2	11♎21	13♏56	26♉57	29♒35	28♒29	25♎17	2♉ 2	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2s59	27n 8	5n 8	3n16	1n54	4n42	1n27	14n56	1n19	13n31	0n47	22s42	0n46	3s11	0n39	14s 4	1n45	6n40	13s17	10s55	11s28	12s19	12n 3	0s42
T 2	3 23	28 9	4 47	2 33	1 52	4 13	1 28	14 44	1 19	13 27	0 48	22 42	0 46	3 12	0 39	14 5	1 45	6 40	13 17	10 56	11 29	12 22	12 2	0 42
W 3	3 46	27 25	4 11	1 49	1 50	3 44	1 28	14 32	1 19	13 23	0 48	22 42	0 45	3 14	0 39	14 6	1 45	6 39	13 17	10 56	11 30	12 25	12 1	0 42
T 4	4 10	25 9	3 22	1 4	1 48	3 15	1 28	14 20	1 20	13 20	0 48	22 42	0 45	3 15	0 39	14 6	1 45	6 39	13 17	10 56	11 32	12 28	12 0	0 42
F 5	4 33	21 39	2 25	0 19	1 45	2 45	1 29	14 8	1 20	13 16	0 48	22 42	0 45	3 17	0 39	14 7	1 45	6 39	13 18	10 55	11 33	12 31	11 59	0 42
S 6	4 56	17 15	1 22	0s26	1 41	2 15	1 29	13 56	1 21	13 13	0 48	22 43	0 45	3 18	0 39	14 7	1 45	6 38	13 18	10 55	11 34	12 34	11 58	0 42
S 7	5 19	12 13	0 16	1 12	1 37	1 46	1 29	13 44	1 21	13 9	0 48	22 43	0 45	3 20	0 39	14 8	1 45	6 38	13 18	10 55	11 35	12 37	11 57	0 43
M 8	5 42	6 49	0s49	1 57	1 33	1 16	1 29	13 32	1 22	13 5	0 48	22 43	0 45	3 21	0 39	14 9	1 45	6 38	13 18	10 55	11 36	12 40	11 56	0 43
T 9	6 5	1 13	1 51	2 43	1 28	0 46	1 29	13 20	1 22	13 2	0 49	22 43	0 45	3 23	0 39	14 9	1 45	6 37	13 18	10 56	11 37	12 43	11 54	0 43
W10	6 28	4s23	2 48	3 28	1 23	0 16	1 29	13 7	1 23	12 58	0 49	22 43	0 44	3 24	0 39	14 10	1 45	6 37	13 18	10 57	11 38	12 46	11 53	0 43
T 11	6 51	9 48	3 38	4 14	1 18	0s14	1 29	12 55	1 23	12 55	0 49	22 44	0 44	3 26	0 39	14 11	1 44	6 37	13 19	11 0	11 39	12 49	11 52	0 43
F 12	7 14	14 52	4 17	4 59	1 12	0 44	1 28	12 43	1 23	12 51	0 49	22 44	0 44	3 27	0 39	14 11	1 44	6 36	13 19	11 3	11 41	12 52	11 51	0 43
S 13	7 37	19 23	4 46	5 44	1 6	1 14	1 28	12 30	1 24	12 48	0 49	22 44	0 44	3 28	0 39	14 12	1 44	6 36	13 19	11 6	11 42	12 55	11 50	0 43
S 14	7 59	23 10	5 2	6 28	1 0	1 44	1 28	12 18	1 24	12 44	0 50	22 44	0 44	3 30	0 39	14 13	1 44	6 36	13 19	11 9	11 43	12 58	11 49	0 43
M15	8 22	25 59	5 6	7 12	0 54	2 14	1 27	12 5	1 25	12 41	0 50	22 45	0 44	3 31	0 39	14 13	1 44	6 36	13 19	11 13	11 44	13 1	11 48	0 43
T 16	8 44	27 39	4 55	7 56	0 48	2 44	1 27	11 52	1 25	12 38	0 50	22 45	0 44	3 33	0 39	14 14	1 44	6 35	13 19	11 15	11 45	13 4	11 47	0 43
W17	9 6	28 0	4 31	8 39	0 41	3 14	1 26	11 40	1 26	12 34	0 50	22 45	0 43	3 34	0 39	14 14	1 44	6 35	13 19	11 17	11 46	13 7	11 46	0 44
T 18	9 28	26 56	3 54	9 21	0 35	3 43	1 26	11 27	1 26	12 31	0 50	22 45	0 43	3 36	0 39	14 15	1 44	6 35	13 20	11 18	11 47	13 10	11 45	0 44
F 19	9 50	24 26	3 4	10 3	0 28	4 13	1 25	11 14	1 27	12 28	0 50	22 45	0 43	3 37	0 39	14 16	1 44	6 34	13 20	11 19	11 48	13 13	11 44	0 44
S 20	10 12	20 36	2 4	10 45	0 22	4 43	1 24	11 2	1 27	12 24	0 51	22 45	0 43	3 39	0 39	14 16	1 44	6 34	13 20	11 18	11 49	13 16	11 42	0 44
S 21	10 33	15 34	0 54	11 26	0 15	5 13	1 23	10 49	1 27	12 21	0 51	22 46	0 43	3 40	0 39	14 17	1 44	6 34	13 20	11 18	11 51	13 19	11 41	0 44
M22	10 55	9 35	0n21	12 6	0 8	5 42	1 23	10 36	1 28	12 18	0 51	22 46	0 43	3 42	0 39	14 18	1 44	6 33	13 20	11 18	11 52	13 22	11 40	0 44
T 23	11 16	2 55	1 37	12 45	0 2	6 12	1 22	10 23	1 28	12 15	0 51	22 46	0 43	3 43	0 39	14 18	1 44	6 33	13 20	11 19	11 53	13 25	11 39	0 44
W24	11 37	4n 5	2 48	13 24	0s 5	6 41	1 21	10 10	1 29	12 12	0 51	22 46	0 43	3 44	0 39	14 19	1 44	6 33	13 20	11 20	11 54	13 28	11 38	0 44
T 25	11 58	10 58	3 48	14 2	0 12	7 10	1 20	9 57	1 29	12 9	0 52	22 46	0 42	3 46	0 39	14 20	1 44	6 32	13 20	11 22	11 55	13 31	11 37	0 44
F 26	12 19	17 16	4 33	14 40	0 19	7 39	1 18	9 45	1 30	12 6	0 52	22 47	0 42	3 47	0 39	14 20	1 44	6 32	13 20	11 25	11 56	13 34	11 36	0 44
S 27	12 40	22 27	4 58	15 16	0 25	8 8	1 17	9 32	1 30	12 3	0 52	22 47	0 42	3 49	0 39	14 21	1 44	6 32	13 20	11 28	11 57	13 36	11 35	0 44
S 28	13 0	26 4	5 2	15 52	0 32	8 37	1 16	9 19	1 31	12 0	0 52	22 47	0 42	3 50	0 39	14 22	1 44	6 32	13 21	11 32	11 58	13 39	11 33	0 45
M29	13 20	27 48	4 46	16 27	0 38	9 5	1 15	9 6	1 31	11 57	0 52	22 47	0 42	3 51	0 39	14 22	1 44	6 31	13 21	11 35	11 59	13 42	11 32	0 45
T 30	13 40	27 39	4 12	17 2	0 45	9 33	1 13	8 53	1 31	11 54	0 53	22 47	0 42	3 53	0 39	14 23	1 44	6 31	13 21	11 37	12 0	13 45	11 31	0 45
W31	14s 0	25n46	3n25	17s35	0s51	10s 2	1n12	8n40	1n32	11n51	0n53	22s47	0n42	3s54	0n39	14s24	1n44	6n31	13s21	11s39	12s 2	13s48	11n30	0s45

Julian Day Number = 2318504.5, Delta T = 53.51 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'23, Lahiri = 18°46'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

NOVEMBER 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 1	8♏22'23	0♌23	17♏54	0♏17	12♍ 9	1♍27	29♐ 7	11♎25	13♏58	26°R56	29°R33	28♒26	25♎23	1°R59	T 1
F 2	2 43 58	9°22'37	13°10	19°27	1°32	12°44	1°36	29°13	11°28	14° 1	26♉55	29°D33	28°23	25°30	1♉56	F 2
S 3	2 47 54	10°22'53	25°35	20°59	2°47	13°19	1°44	29°18	11°32	14° 3	26°54	29°R33	28°19	25°37	1°53	S 3
S 4	2 51 51	11°23'10	7♍44	22°31	4° 3	13°54	1°52	29°23	11°35	14° 5	26°53	29♒33	28°16	25°43	1°50	S 4
M 5	2 55 47	12°23'30	19°42	24° 2	5°18	14°29	2° 0	29°29	11°38	14° 7	26°52	29°31	28°13	25°50	1°47	M 5
T 6	2 59 44	13°23'51	1♎34	25°33	6°33	15° 4	2° 7	29°35	11°42	14°10	26°51	29°26	28°10	25°57	1°44	T 6
W 7	3 3 40	14°24'15	13°23	27° 4	7°49	15°38	2°15	29°40	11°45	14°12	26°50	29°19	28° 7	26° 3	1°41	W 7
T 8	3 7 37	15°24'40	25°12	28°34	9° 4	16°13	2°23	29°46	11°49	14°14	26°49	29° 9	28° 3	26°10	1°38	T 8
F 9	3 11 34	16°25'07	7♏ 5	0♐ 4	10°19	16°48	2°30	29°51	11°52	14°16	26°48	28°56	28° 0	26°17	1°35	F 9
S 10	3 15 30	17°25'35	19° 1	1°34	11°35	17°22	2°37	29°57	11°55	14°19	26°47	28°42	27°57	26°24	1°32	S 10
S 11	3 19 27	18°26'06	1♐ 3	3° 3	12°50	17°57	2°44	0♑ 3	11°58	14°21	26°45	28°27	27°54	26°30	1°29	S 11
M12	3 23 23	19°26'38	13°11	4°32	14° 6	18°31	2°51	0° 9	12° 2	14°23	26°44	28°13	27°51	26°37	1°26	M12
T 13	3 27 20	20°27'11	25°27	6° 1	15°21	19° 6	2°58	0°15	12° 5	14°25	26°43	28° 1	27°48	26°44	1°23	T 13
W14	3 31 16	21°27'46	7♑53	7°29	16°37	19°40	3° 4	0°21	12° 8	14°28	26°42	27°52	27°44	26°50	1°21	W14
T 15	3 35 13	22°28'22	20°29	8°56	17°52	20°14	3°11	0°27	12°11	14°30	26°41	27°46	27°41	26°57	1°18	T 15
F 16	3 39 9	23°28'59	3♒19	10°23	19° 7	20°48	3°17	0°33	12°14	14°32	26°40	27°43	27°38	27° 4	1°15	F 16
S 17	3 43 6	24°29'38	16°25	11°50	20°23	21°22	3°23	0°39	12°17	14°34	26°39	27°42	27°35	27°10	1°12	S 17
S 18	3 47 3	25°30'17	29°51	13°15	21°38	21°56	3°29	0°45	12°20	14°37	26°38	27°42	27°32	27°17	1°10	S 18
M19	3 50 59	26°30'58	13♓40	14°40	22°54	22°30	3°35	0°51	12°23	14°39	26°36	27°41	27°28	27°24	1° 7	M19
T 20	3 54 56	27°31'39	27°53	16° 4	24° 9	23° 4	3°41	0°58	12°26	14°41	26°35	27°39	27°25	27°31	1° 4	T 20
W21	3 58 52	28°32'22	12♈28	17°27	25°25	23°38	3°47	1° 4	12°29	14°43	26°34	27°35	27°22	27°37	1° 2	W21
T 22	4 2 49	29°33'06	27°22	18°50	26°40	24°11	3°52	1°10	12°32	14°45	26°33	27°27	27°19	27°44	0°59	T 22
F 23	4 6 45	0♐33'51	12♉28	20°10	27°56	24°45	3°57	1°17	12°35	14°48	26°32	27°17	27°16	27°51	0°57	F 23
S 24	4 10 42	1°34'37	27°37	21°30	29°11	25°18	4° 2	1°23	12°38	14°50	26°31	27° 6	27°13	27°57	0°54	S 24
S 25	4 14 38	2°35'25	12♊38	22°47	0♐27	25°52	4° 7	1°30	12°40	14°52	26°30	26°54	27° 9	28° 4	0°52	S 25
M26	4 18 35	3°36'13	27°20	24° 3	1°42	26°25	4°12	1°36	12°43	14°54	26°29	26°43	27° 6	28°11	0°49	M26
T 27	4 22 32	4°37'03	11♋38	25°17	2°58	26°58	4°16	1°43	12°46	14°56	26°27	26°35	27° 3	28°18	0°47	T 27
W28	4 26 28	5°37'55	25°26	26°28	4°13	27°31	4°21	1°49	12°48	14°58	26°26	26°29	27° 0	28°24	0°45	W28
T 29	4 30 25	6°38'47	8♌45	27°36	5°29	28° 4	4°25	1°56	12°51	15° 1	26°25	26°26	26°57	28°31	0°42	T 29
F 30	4 34 21	7♐39'41	21♌37	28♐41	6♐44	28♍37	4♍29	2♑ 2	12♎54	15♏ 3	26♉24	26°D25	26♒54	28♎38	0♉40	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s20	22n32	2n28	18s 8	0s58	10s29	1n11	8n26	1n32	11n48	0n53	22s48	0n42	3s55	0n39	14s24	1n44	6n30	13s21	11s39	12s 3	13s51	11n29	0s45
F 2	14 39	18 17	1 26	18 39	1 4	10 57	1 9	8 13	1 33	11 45	0 53	22 48	0 41	3 57	0 39	14 25	1 44	6 30	13 21	11 39	12 4	13 54	11 28	0 45
S 3	14 58	13 21	0 21	19 10	1 10	11 24	1 8	8 0	1 33	11 43	0 53	22 48	0 41	3 58	0 39	14 26	1 44	6 30	13 21	11 39	12 5	13 57	11 27	0 45
S 4	15 17	8 1	0s43	19 40	1 16	11 51	1 6	7 47	1 34	11 40	0 54	22 48	0 41	3 59	0 39	14 27	1 44	6 30	13 21	11 39	12 6	14 0	11 26	0 45
M 5	15 35	2 29	1 45	20 9	1 22	12 18	1 4	7 34	1 34	11 37	0 54	22 48	0 41	4 1	0 39	14 27	1 44	6 29	13 21	11 40	12 7	14 3	11 25	0 45
T 6	15 54	3s 5	2 41	20 36	1 28	12 45	1 3	7 21	1 35	11 35	0 54	22 48	0 41	4 2	0 39	14 28	1 44	6 29	13 21	11 42	12 8	14 6	11 23	0 45
W 7	16 12	8 31	3 30	21 3	1 33	13 11	1 1	7 8	1 35	11 32	0 54	22 48	0 41	4 3	0 39	14 28	1 44	6 29	13 21	11 44	12 9	14 9	11 22	0 45
T 8	16 29	13 38	4 10	21 29	1 39	13 37	0 59	6 55	1 35	11 30	0 55	22 49	0 41	4 5	0 39	14 29	1 44	6 28	13 21	11 48	12 10	14 12	11 21	0 45
F 9	16 47	18 17	4 39	21 54	1 44	14 2	0 57	6 42	1 36	11 27	0 55	22 49	0 41	4 6	0 39	14 30	1 44	6 28	13 21	11 52	12 12	14 14	11 20	0 46
S 10	17 4	22 14	4 55	22 18	1 49	14 28	0 55	6 29	1 36	11 25	0 55	22 49	0 40	4 7	0 39	14 30	1 44	6 28	13 21	11 57	12 13	14 17	11 19	0 46
S 11	17 21	25 17	4 59	22 40	1 54	14 52	0 54	6 15	1 37	11 23	0 55	22 49	0 40	4 8	0 39	14 31	1 44	6 28	13 21	12 2	12 14	14 20	11 18	0 46
M12	17 38	27 13	4 50	23 2	1 58	15 17	0 52	6 2	1 37	11 20	0 55	22 49	0 40	4 10	0 39	14 32	1 44	6 27	13 21	12 7	12 15	14 23	11 17	0 46
T 13	17 54	27 51	4 27	23 22	2 2	15 41	0 50	5 49	1 38	11 18	0 56	22 49	0 40	4 11	0 39	14 32	1 44	6 27	13 21	12 11	12 16	14 26	11 16	0 46
W14	18 10	27 5	3 51	23 41	2 6	16 5	0 48	5 36	1 38	11 16	0 56	22 49	0 40	4 12	0 39	14 33	1 44	6 27	13 21	12 14	12 17	14 29	11 15	0 46
T 15	18 26	24 56	3 3	23 59	2 10	16 28	0 46	5 23	1 39	11 14	0 56	22 49	0 40	4 13	0 39	14 34	1 44	6 27	13 21	12 16	12 18	14 32	11 14	0 46
F 16	18 41	21 29	2 5	24 15	2 14	16 51	0 44	5 10	1 39	11 12	0 56	22 49	0 40	4 15	0 39	14 34	1 44	6 26	13 21	12 17	12 19	14 35	11 13	0 46
S 17	18 56	16 53	0 59	24 31	2 17	17 13	0 41	4 57	1 39	11 10	0 57	22 49	0 40	4 16	0 39	14 35	1 44	6 26	13 21	12 18	12 20	14 38	11 12	0 46
S 18	19 11	11 22	0n11	24 45	2 19	17 35	0 39	4 44	1 40	11 8	0 57	22 50	0 40	4 17	0 39	14 36	1 44	6 26	13 21	12 18	12 21	14 40	11 11	0 46
M19	19 25	5 9	1 23	24 57	2 22	17 56	0 37	4 31	1 40	11 6	0 57	22 50	0 40	4 18	0 39	14 36	1 44	6 26	13 21	12 18	12 22	14 43	11 10	0 46
T 20	19 39	1n29	2 32	25 9	2 24	18 17	0 35	4 18	1 41	11 4	0 57	22 50	0 39	4 19	0 39	14 37	1 44	6 26	13 21	12 19	12 24	14 46	11 9	0 46
W21	19 53	8 12	3 33	25 18	2 25	18 38	0 33	4 5	1 41	11 2	0 58	22 50	0 39	4 20	0 39	14 38	1 44	6 25	13 21	12 20	12 25	14 49	11 8	0 46
T 22	20 6	14 36	4 20	25 27	2 26	18 57	0 30	3 52	1 42	11 1	0 58	22 50	0 39	4 21	0 39	14 38	1 44	6 25	13 21	12 23	12 26	14 52	11 7	0 46
F 23	20 19	20 13	4 50	25 34	2 27	19 17	0 28	3 39	1 42	10 59	0 58	22 50	0 39	4 22	0 39	14 39	1 44	6 25	13 21	12 26	12 27	14 55	11 6	0 47
S 24	20 31	24 32	5 0	25 40	2 27	19 36	0 26	3 26	1 43	10 57	0 58	22 50	0 39	4 24	0 39	14 39	1 44	6 25	13 21	12 30	12 28	14 57	11 5	0 47
S 25	20 43	27 8	4 49	25 44	2 27	19 54	0 24	3 13	1 43	10 56	0 59	22 50	0 39	4 25	0 39	14 40	1 44	6 25	13 21	12 34	12 29	15 0	11 4	0 47
M26	20 55	27 46	4 19	25 46	2 25	20 12	0 21	3 0	1 43	10 54	0 59	22 50	0 39	4 26	0 40	14 41	1 44	6 24	13 21	12 38	12 30	15 3	11 3	0 47
T 27	21 6	26 31	3 33	25 48	2 23	20 29	0 19	2 48	1 44	10 53	0 59	22 50	0 39	4 27	0 40	14 41	1 44	6 24	13 21	12 41	12 31	15 6	11 2	0 47
W28	21 17	23 39	2 36	25 47	2 21	20 46	0 17	2 35	1 44	10 51	0 59	22 50	0 39	4 28	0 40	14 42	1 44	6 24	13 21	12 43	12 32	15 9	11 1	0 47
T 29	21 28	19 35	1 32	25 45	2 17	21 2	0 14	2 22	1 45	10 50	1 0	22 50	0 39	4 29	0 40	14 43	1 44	6 24	13 20	12 44	12 33	15 12	11 1	0 47
F 30	21s38	14n44	0n25	25s42	2s13	21s17	0n12	2n 9	1n45	10n49	1n 0	22s50	0n38	4s30	0n40	14s43	1n44	6n24	13s20	12s44	12s34	15s14	11n 0	0s47

Julian Day Number = 2318535.5, Delta T = 53.45 sec
Ecliptic obliquity = 23°29'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'27, Lahiri = 18°46'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1635
geocentric

DECEMBER 1635 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 38 18	8♐40'37	4♍ 6	29♐42	8♐ 0	29♍10	4♍33	2♑ 9	12♎56	15♏ 5	26°R23	26°R25	26♒50	28♎44	0°R38	S 1
S 2	4 42 14	9°41'33	16°17	0♑39	9°15	29°43	4°37	2°16	12°59	15° 7	26♉22	26♒25	26°47	28°51	0♉36	S 2
M 3	4 46 11	10°42'31	28°15	1°31	10°31	0♎16	4°40	2°22	13° 1	15° 9	26°21	26°23	26°44	28°58	0°33	M 3
T 4	4 50 7	11°43'30	10♎ 7	2°17	11°46	0°48	4°44	2°29	13° 4	15°11	26°20	26°20	26°41	29° 4	0°31	T 4
W 5	4 54 4	12°44'30	21°55	2°56	13° 2	1°21	4°47	2°36	13° 6	15°13	26°19	26°13	26°38	29°11	0°29	W 5
T 6	4 58 1	13°45'31	3♏46	3°29	14°17	1°53	4°50	2°43	13° 8	15°15	26°18	26° 4	26°34	29°18	0°27	T 6
F 7	5 1 57	14°46'33	15°42	3°53	15°33	2°25	4°53	2°50	13°11	15°17	26°16	25°52	26°31	29°25	0°25	F 7
S 8	5 5 54	15°47'36	27°45	4° 8	16°48	2°57	4°55	2°56	13°13	15°19	26°15	25°39	26°28	29°31	0°23	S 8
S 9	5 9 50	16°48'40	9♐57	4°R13	18° 4	3°29	4°58	3° 3	13°15	15°21	26°14	25°26	26°25	29°38	0°22	S 9
M10	5 13 47	17°49'45	22°18	4° 8	19°19	4° 1	5° 0	3°10	13°17	15°23	26°13	25°13	26°22	29°45	0°20	M10
T 11	5 17 43	18°50'51	4♑49	3°52	20°35	4°33	5° 2	3°17	13°19	15°25	26°12	25° 2	26°19	29°51	0°18	T 11
W12	5 21 40	19°51'57	17°31	3°23	21°50	5° 5	5° 4	3°24	13°21	15°27	26°11	24°53	26°15	29°58	0°16	W12
T 13	5 25 37	20°53'04	0♒23	2°44	23° 6	5°36	5° 5	3°31	13°23	15°29	26°10	24°48	26°12	0♏ 5	0°15	T 13
F 14	5 29 33	21°54'11	13°26	1°53	24°21	6° 8	5° 7	3°38	13°25	15°31	26° 9	24°45	26° 9	0°12	0°13	F 14
S 15	5 33 30	22°55'18	26°42	0°52	25°37	6°39	5° 8	3°45	13°27	15°33	26° 8	24°D44	26° 6	0°18	0°11	S 15
S 16	5 37 26	23°56'25	10♓11	29♐42	26°52	7°10	5° 9	3°52	13°29	15°35	26° 7	24°45	26° 3	0°25	0°10	S 16
M17	5 41 23	24°57'33	23°56	28°25	28° 8	7°41	5°10	3°59	13°31	15°37	26° 6	24°R46	26° 0	0°32	0° 8	M17
T 18	5 45 19	25°58'41	7♈57	27° 4	29°23	8°12	5°11	4° 6	13°32	15°38	26° 5	24°45	25°56	0°38	0° 7	T 18
W19	5 49 16	26°59'48	22°14	25°41	0♑39	8°43	5°11	4°13	13°34	15°40	26° 4	24°42	25°53	0°45	0° 6	W19
T 20	5 53 12	28° 0'56	6♉45	24°20	1°54	9°14	5°12	4°20	13°36	15°42	26° 3	24°37	25°50	0°52	0° 4	T 20
F 21	5 57 9	29° 2'05	21°26	23° 2	3°10	9°44	5°R12	4°27	13°37	15°44	26° 2	24°30	25°47	0°59	0° 3	F 21
S 22	6 1 6	0♑ 3'13	6♊10	21°51	4°25	10°14	5°12	4°34	13°39	15°46	26° 1	24°21	25°44	1° 5	0° 2	S 22
S 23	6 5 2	1° 4'21	20°49	20°47	5°41	10°45	5°11	4°41	13°40	15°47	26° 1	24°12	25°40	1°12	0° 1	S 23
M24	6 8 59	2° 5'30	5♋17	19°53	6°56	11°15	5°11	4°48	13°42	15°49	26° 0	24° 4	25°37	1°19	0° 0	M24
T 25	6 12 55	3° 6'39	19°26	19° 9	8°11	11°45	5°10	4°55	13°43	15°51	25°59	23°57	25°34	1°25	29♈59	T 25
W26	6 16 52	4° 7'47	3♌11	18°35	9°27	12°14	5°10	5° 2	13°45	15°52	25°58	23°53	25°31	1°32	29°58	W26
T 27	6 20 48	5° 8'57	16°31	18°12	10°42	12°44	5° 9	5° 9	13°46	15°54	25°57	23°51	25°28	1°39	29°57	T 27
F 28	6 24 45	6°10'06	29°27	17°59	11°58	13°14	5° 7	5°16	13°47	15°56	25°56	23°D51	25°25	1°46	29°56	F 28
S 29	6 28 41	7°11'15	12♍ 0	17°D56	13°13	13°43	5° 6	5°24	13°48	15°57	25°55	23°52	25°21	1°52	29°56	S 29
S 30	6 32 38	8°12'25	24°15	18° 1	14°29	14°12	5° 4	5°31	13°49	15°59	25°55	23°53	25°18	1°59	29°55	S 30
M31	6 36 35	9♑13'35	6♎17	18♐15	15♑44	14♎41	5♍ 2	5♑38	13♎50	16♏ 0	25♉54	23°R54	25♒15	2♏ 6	29♈54	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s48	9n24	0s41	25s37	2s 8	21s32	0n10	1n57	1n46	10n48	1n 0	22s50	0n38	4s31	0n40	14s44	1n44	6n24	13s20	12s44	12s36	15s17	10n59	0s47
S 2	21 57	3 50	1 43	25 31	2 2	21 46	0 7	1 44	1 46	10 47	1 0	22 50	0 38	4 32	0 40	14 44	1 44	6 24	13 20	12 44	12 37	15 20	10 58	0 47
M 3	22 6	1s45	2 40	25 24	1 55	21 59	0 5	1 31	1 47	10 46	1 1	22 50	0 38	4 33	0 40	14 45	1 44	6 23	13 20	12 45	12 38	15 23	10 57	0 47
T 4	22 14	7 13	3 29	25 15	1 46	22 12	0 2	1 19	1 47	10 45	1 1	22 50	0 38	4 33	0 40	14 45	1 44	6 23	13 20	12 46	12 39	15 26	10 56	0 47
W 5	22 22	12 25	4 10	25 4	1 37	22 25	0s 0	1 6	1 47	10 44	1 1	22 50	0 38	4 34	0 40	14 46	1 44	6 23	13 20	12 48	12 40	15 28	10 56	0 47
T 6	22 30	17 10	4 39	24 53	1 26	22 36	0 2	0 54	1 48	10 43	1 1	22 50	0 38	4 35	0 40	14 47	1 45	6 23	13 20	12 51	12 41	15 31	10 55	0 47
F 7	22 37	21 18	4 56	24 40	1 14	22 47	0 5	0 41	1 48	10 42	1 2	22 50	0 38	4 36	0 40	14 47	1 45	6 23	13 20	12 55	12 42	15 34	10 54	0 47
S 8	22 44	24 35	5 1	24 26	1 1	22 57	0 7	0 29	1 49	10 41	1 2	22 50	0 38	4 37	0 40	14 48	1 45	6 23	13 20	13 0	12 43	15 37	10 53	0 47
S 9	22 50	26 48	4 52	24 11	0 46	23 7	0 10	0 17	1 49	10 41	1 2	22 50	0 38	4 38	0 40	14 48	1 45	6 23	13 19	13 4	12 44	15 40	10 53	0 48
M10	22 56	27 44	4 29	23 55	0 30	23 15	0 12	0 5	1 50	10 40	1 3	22 49	0 38	4 39	0 40	14 49	1 45	6 23	13 19	13 9	12 45	15 42	10 52	0 48
T 11	23 1	27 16	3 53	23 38	0 12	23 23	0 14	0s 8	1 50	10 40	1 3	22 49	0 37	4 39	0 40	14 49	1 45	6 22	13 19	13 12	12 46	15 45	10 51	0 48
W12	23 6	25 23	3 4	23 20	0n 6	23 31	0 17	0 20	1 51	10 39	1 3	22 49	0 37	4 40	0 40	14 50	1 45	6 22	13 19	13 15	12 47	15 48	10 51	0 48
T 13	23 10	22 10	2 6	23 2	0 26	23 37	0 19	0 32	1 51	10 39	1 3	22 49	0 37	4 41	0 40	14 50	1 45	6 22	13 19	13 17	12 49	15 51	10 50	0 48
F 14	23 14	17 47	1 0	22 43	0 45	23 43	0 21	0 44	1 52	10 38	1 4	22 49	0 37	4 42	0 40	14 51	1 45	6 22	13 19	13 18	12 50	15 53	10 50	0 48
S 15	23 18	12 29	0n10	22 24	1 6	23 49	0 24	0 56	1 52	10 38	1 4	22 49	0 37	4 42	0 40	14 51	1 45	6 22	13 19	13 18	12 51	15 56	10 49	0 48
S 16	23 21	6 30	1 22	22 4	1 25	23 53	0 26	1 8	1 52	10 38	1 4	22 49	0 37	4 43	0 40	14 52	1 45	6 22	13 18	13 18	12 52	15 59	10 48	0 48
M17	23 24	0 8	2 29	21 44	1 44	23 57	0 28	1 20	1 53	10 38	1 4	22 49	0 37	4 44	0 40	14 52	1 45	6 22	13 18	13 18	12 53	16 2	10 48	0 48
T 18	23 26	6n22	3 29	21 25	2 2	24 0	0 31	1 31	1 53	10 38	1 5	22 49	0 37	4 44	0 40	14 53	1 45	6 22	13 18	13 18	12 54	16 4	10 47	0 48
W19	23 27	12 39	4 18	21 7	2 19	24 2	0 33	1 43	1 54	10 38	1 5	22 48	0 37	4 45	0 40	14 53	1 45	6 22	13 18	13 19	12 55	16 7	10 47	0 48
T 20	23 28	18 22	4 51	20 49	2 33	24 3	0 35	1 55	1 54	10 38	1 5	22 48	0 37	4 46	0 40	14 54	1 45	6 22	13 18	13 21	12 56	16 10	10 46	0 48
F 21	23 29	23 3	5 5	20 34	2 45	24 4	0 37	2 6	1 55	10 38	1 6	22 48	0 37	4 46	0 40	14 54	1 45	6 22	13 17	13 23	12 57	16 13	10 46	0 48
S 22	23 29	26 17	4 59	20 21	2 54	24 4	0 39	2 18	1 55	10 39	1 6	22 48	0 37	4 47	0 40	14 55	1 45	6 22	13 17	13 26	12 58	16 15	10 45	0 48
S 23	23 29	27 43	4 33	20 9	3 1	24 3	0 42	2 29	1 56	10 39	1 6	22 48	0 37	4 47	0 40	14 55	1 45	6 22	13 17	13 29	12 59	16 18	10 45	0 48
M24	23 28	27 13	3 50	20 1	3 6	24 2	0 44	2 41	1 56	10 39	1 6	22 48	0 36	4 48	0 40	14 56	1 45	6 22	13 17	13 32	13 0	16 21	10 45	0 48
T 25	23 27	24 57	2 54	19 55	3 8	24 0	0 46	2 52	1 57	10 40	1 7	22 47	0 36	4 48	0 40	14 56	1 45	6 22	13 17	13 34	13 1	16 23	10 44	0 48
W26	23 25	21 15	1 49	19 52	3 8	23 57	0 48	3 3	1 57	10 41	1 7	22 47	0 36	4 49	0 40	14 57	1 45	6 22	13 16	13 35	13 2	16 26	10 44	0 48
T 27	23 23	16 33	0 39	19 52	3 7	23 53	0 50	3 14	1 57	10 41	1 7	22 47	0 36	4 49	0 40	14 57	1 45	6 22	13 16	13 36	13 4	16 29	10 43	0 48
F 28	23 21	11 13	0s30	19 53	3 4	23 48	0 52	3 25	1 58	10 42	1 7	22 47	0 36	4 50	0 40	14 58	1 45	6 22	13 16	13 36	13 5	16 32	10 43	0 48
S 29	23 18	5 35	1 36	19 57	3 0	23 43	0 54	3 36	1 58	10 43	1 8	22 47	0 36	4 50	0 40	14 58	1 45	6 22	13 16	13 36	13 6	16 34	10 43	0 48
S 30	23 14	0s 7	2 37	20 3	2 54	23 37	0 56	3 47	1 59	10 44	1 8	22 46	0 36	4 51	0 40	14 58	1 45	6 22	13 16	13 35	13 7	16 37	10 43	0 48
M31	23s10	5s42	3s29	20s11	2n48	23s31	0s58	3s58	1n59	10n44	1n 8	22s46	0n36	4s51	0n41	14s59	1n45	6n22	13s15	13s35	13s 8	16s40	10n42	0s49

Julian Day Number = 2318565.5, Delta T = 53.39 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'31, Lahiri = 18°46'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

JANUARY 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 31	10♉14'45	18♎11	18♐37	17♉ 0	15♎10	5°R 0	5♉45	13♎51	16♏ 2	25°R53	23°R54	25♒12	2♏12	29°R54	T 1
W 2	6 44 28	11°15'56	0♏ 2	19° 5	18°15	15°38	4♍58	5°52	13°52	16° 3	25♉52	23♒52	25° 9	2°19	29♈53	W 2
T 3	6 48 24	12°17'06	11°54	19°40	19°30	16° 7	4°56	5°59	13°53	16° 5	25°52	23°48	25° 6	2°26	29°53	T 3
F 4	6 52 21	13°18'16	23°52	20°20	20°46	16°35	4°53	6° 6	13°54	16° 6	25°51	23°42	25° 2	2°32	29°53	F 4
S 5	6 56 17	14°19'27	6♐ 0	21° 6	22° 1	17° 3	4°51	6°13	13°55	16° 7	25°50	23°35	24°59	2°39	29°52	S 5
S 6	7 0 14	15°20'37	18°21	21°55	23°17	17°31	4°48	6°20	13°56	16° 9	25°49	23°28	24°56	2°46	29°52	S 6
M 7	7 4 11	16°21'48	0♑54	22°49	24°32	17°59	4°44	6°27	13°56	16°10	25°49	23°20	24°53	2°53	29°52	M 7
T 8	7 8 7	17°22'57	13°42	23°46	25°47	18°26	4°41	6°34	13°57	16°12	25°48	23°14	24°50	2°59	29°52	T 8
W 9	7 12 4	18°24'07	26°44	24°47	27° 3	18°53	4°38	6°41	13°58	16°13	25°47	23°10	24°47	3° 6	29°D52	W 9
T 10	7 16 0	19°25'16	9♒59	25°51	28°18	19°21	4°34	6°48	13°58	16°14	25°47	23° 7	24°43	3°13	29°52	T 10
F 11	7 19 57	20°26'24	23°26	26°57	29°33	19°47	4°30	6°55	13°59	16°15	25°46	23°D 7	24°40	3°20	29°52	F 11
S 12	7 23 53	21°27'32	7♓ 4	28° 5	0♒49	20°14	4°26	7° 2	13°59	16°17	25°46	23° 7	24°37	3°26	29°52	S 12
S 13	7 27 50	22°28'39	20°51	29°16	2° 4	20°40	4°22	7° 9	13°59	16°18	25°45	23° 9	24°34	3°33	29°52	S 13
M14	7 31 46	23°29'45	4♈46	0♑28	3°19	21° 7	4°17	7°16	14° 0	16°19	25°45	23°10	24°31	3°40	29°52	M14
T 15	7 35 43	24°30'50	18°49	1°42	4°35	21°32	4°13	7°22	14° 0	16°20	25°44	23°R11	24°27	3°46	29°53	T 15
W16	7 39 40	25°31'54	2♉59	2°58	5°50	21°58	4° 8	7°29	14° 0	16°21	25°43	23°11	24°24	3°53	29°53	W16
T 17	7 43 36	26°32'57	17°13	4°15	7° 5	22°24	4° 3	7°36	14° 0	16°22	25°43	23°10	24°21	4° 0	29°53	T 17
F 18	7 47 33	27°34'00	1♊29	5°34	8°21	22°49	3°58	7°43	14°R 0	16°23	25°43	23° 7	24°18	4° 7	29°54	F 18
S 19	7 51 29	28°35'01	15°44	6°54	9°36	23°14	3°53	7°50	14° 0	16°24	25°42	23° 4	24°15	4°13	29°54	S 19
S 20	7 55 26	29°36'01	29°53	8°15	10°51	23°38	3°48	7°56	14° 0	16°25	25°42	23° 0	24°12	4°20	29°55	S 20
M21	7 59 22	0♒37'00	13♋53	9°37	12° 6	24° 3	3°42	8° 3	14° 0	16°26	25°41	22°57	24° 8	4°27	29°56	M21
T 22	8 3 19	1°37'58	27°38	11° 0	13°22	24°27	3°37	8°10	14° 0	16°27	25°41	22°54	24° 5	4°33	29°56	T 22
W23	8 7 15	2°38'56	11♌ 7	12°24	14°37	24°51	3°31	8°17	13°59	16°28	25°40	22°53	24° 2	4°40	29°57	W23
T 24	8 11 12	3°39'52	24°17	13°50	15°52	25°15	3°25	8°23	13°59	16°29	25°40	22°D52	23°59	4°47	29°58	T 24
F 25	8 15 9	4°40'47	7♍ 8	15°16	17° 7	25°38	3°19	8°30	13°59	16°29	25°40	22°53	23°56	4°54	29°59	F 25
S 26	8 19 5	5°41'42	19°41	16°42	18°22	26° 1	3°13	8°36	13°58	16°30	25°40	22°54	23°52	5° 0	0♉ 0	S 26
S 27	8 23 2	6°42'36	1♎58	18°10	19°37	26°24	3° 6	8°43	13°58	16°31	25°39	22°56	23°49	5° 7	0° 1	S 27
M28	8 26 58	7°43'28	14° 2	19°39	20°52	26°46	3° 0	8°49	13°58	16°31	25°39	22°57	23°46	5°14	0° 2	M28
T 29	8 30 55	8°44'20	25°58	21° 8	22° 8	27° 8	2°53	8°56	13°57	16°32	25°39	22°58	23°43	5°20	0° 3	T 29
W30	8 34 51	9°45'11	7♏50	22°38	23°23	27°30	2°47	9° 2	13°56	16°33	25°38	22°R59	23°40	5°27	0° 5	W30
T 31	8 38 48	10♒46'02	19♏44	24♉ 9	24♒38	27♎52	2♍40	9♉ 9	13♎56	16♏33	25♉38	22♒58	23♒37	5♏34	0♉ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 6	11s 1	4s12	20s20	2n41	23s23	0s59	4s 9	2n 0	10n45	1n 9	22s46	0n36	4s51	0n41	14s59	1n45	6n22	13s15	13s35	13s 9	16s42	10n42	0s49
W 2	23 1	15 55	4 43	20 30	2 33	23 15	1 1	4 19	2 0	10 46	1 9	22 46	0 36	4 52	0 41	14 59	1 46	6 22	13 15	13 36	13 10	16 45	10 42	0 49
T 3	22 55	20 14	5 3	20 41	2 25	23 6	1 3	4 30	2 1	10 48	1 9	22 45	0 36	4 52	0 41	15 0	1 46	6 22	13 15	13 37	13 11	16 48	10 42	0 49
F 4	22 49	23 46	5 9	20 52	2 16	22 57	1 5	4 40	2 1	10 49	1 9	22 45	0 36	4 52	0 41	15 0	1 46	6 22	13 14	13 39	13 12	16 50	10 42	0 49
S 5	22 43	26 19	5 2	21 4	2 8	22 46	1 6	4 50	2 2	10 50	1 10	22 45	0 36	4 53	0 41	15 1	1 46	6 22	13 14	13 41	13 13	16 53	10 41	0 49
S 6	22 36	27 38	4 41	21 16	1 59	22 35	1 8	5 1	2 2	10 51	1 10	22 45	0 36	4 53	0 41	15 1	1 46	6 22	13 14	13 44	13 14	16 56	10 41	0 49
M 7	22 29	27 35	4 6	21 28	1 49	22 24	1 9	5 11	2 2	10 53	1 10	22 44	0 36	4 53	0 41	15 1	1 46	6 23	13 14	13 46	13 15	16 58	10 41	0 49
T 8	22 21	26 4	3 18	21 41	1 40	22 12	1 11	5 21	2 3	10 54	1 10	22 44	0 35	4 53	0 41	15 2	1 46	6 23	13 14	13 48	13 16	17 1	10 41	0 49
W 9	22 13	23 7	2 19	21 52	1 31	21 59	1 12	5 31	2 3	10 56	1 11	22 44	0 35	4 53	0 41	15 2	1 46	6 23	13 13	13 49	13 17	17 4	10 41	0 49
T 10	22 5	18 55	1 11	22 4	1 21	21 45	1 14	5 41	2 4	10 57	1 11	22 43	0 35	4 54	0 41	15 2	1 46	6 23	13 13	13 50	13 18	17 6	10 41	0 49
F 11	21 56	13 42	0n 2	22 15	1 12	21 31	1 15	5 50	2 4	10 59	1 11	22 43	0 35	4 54	0 41	15 3	1 46	6 23	13 13	13 51	13 20	17 9	10 41	0 49
S 12	21 46	7 46	1 16	22 26	1 3	21 16	1 16	6 0	2 5	11 1	1 11	22 43	0 35	4 54	0 41	15 3	1 46	6 23	13 12	13 50	13 21	17 12	10 41	0 49
S 13	21 37	1 24	2 26	22 35	0 54	21 0	1 18	6 9	2 5	11 2	1 12	22 43	0 35	4 54	0 41	15 3	1 46	6 23	13 12	13 50	13 22	17 14	10 41	0 49
M14	21 26	5n 5	3 28	22 45	0 45	20 44	1 19	6 19	2 6	11 4	1 12	22 42	0 35	4 54	0 41	15 3	1 46	6 23	13 12	13 49	13 23	17 17	10 41	0 49
T 15	21 16	11 23	4 19	22 53	0 36	20 27	1 20	6 28	2 6	11 6	1 12	22 42	0 35	4 54	0 41	15 4	1 46	6 24	13 12	13 49	13 24	17 19	10 41	0 49
W16	21 5	17 8	4 54	23 0	0 27	20 10	1 21	6 37	2 7	11 8	1 12	22 42	0 35	4 54	0 41	15 4	1 46	6 24	13 11	13 49	13 25	17 22	10 41	0 49
T 17	20 53	21 59	5 12	23 7	0 18	19 52	1 22	6 46	2 7	11 10	1 13	22 41	0 35	4 54	0 41	15 4	1 46	6 24	13 11	13 49	13 26	17 25	10 41	0 49
F 18	20 41	25 33	5 10	23 12	0 10	19 33	1 23	6 55	2 7	11 12	1 13	22 41	0 35	4 54	0 41	15 4	1 46	6 24	13 11	13 50	13 27	17 27	10 41	0 49
S 19	20 29	27 31	4 49	23 17	0 2	19 14	1 24	7 4	2 8	11 14	1 13	22 41	0 35	4 54	0 41	15 5	1 46	6 24	13 11	13 51	13 28	17 30	10 42	0 49
S 20	20 17	27 41	4 11	23 20	0s 6	18 54	1 25	7 13	2 8	11 16	1 13	22 40	0 35	4 54	0 41	15 5	1 46	6 24	13 10	13 53	13 29	17 32	10 42	0 49
M21	20 4	26 3	3 18	23 23	0 14	18 34	1 26	7 21	2 9	11 19	1 14	22 40	0 35	4 54	0 41	15 5	1 47	6 25	13 10	13 54	13 30	17 35	10 42	0 49
T 22	19 50	22 52	2 15	23 24	0 22	18 13	1 26	7 30	2 9	11 21	1 14	22 40	0 35	4 54	0 41	15 5	1 47	6 25	13 10	13 55	13 31	17 38	10 42	0 49
W23	19 37	18 30	1 4	23 24	0 30	17 52	1 27	7 38	2 10	11 23	1 14	22 39	0 35	4 54	0 41	15 5	1 47	6 25	13 9	13 55	13 32	17 40	10 43	0 49
T 24	19 22	13 20	0s 8	23 23	0 37	17 30	1 28	7 46	2 10	11 26	1 14	22 39	0 35	4 54	0 41	15 6	1 47	6 25	13 9	13 55	13 33	17 43	10 43	0 49
F 25	19 8	7 42	1 18	23 20	0 44	17 8	1 28	7 54	2 10	11 28	1 14	22 38	0 35	4 53	0 41	15 6	1 47	6 25	13 9	13 55	13 34	17 45	10 43	0 49
S 26	18 53	1 55	2 23	23 17	0 51	16 45	1 29	8 2	2 11	11 30	1 15	22 38	0 35	4 53	0 41	15 6	1 47	6 26	13 9	13 55	13 35	17 48	10 43	0 49
S 27	18 38	3s50	3 19	23 12	0 57	16 22	1 29	8 10	2 11	11 33	1 15	22 38	0 34	4 53	0 41	15 6	1 47	6 26	13 8	13 54	13 36	17 50	10 44	0 50
M28	18 23	9 20	4 6	23 6	1 4	15 59	1 29	8 18	2 12	11 35	1 15	22 37	0 34	4 53	0 41	15 6	1 47	6 26	13 8	13 54	13 38	17 53	10 44	0 50
T 29	18 7	14 25	4 42	22 58	1 10	15 35	1 30	8 25	2 12	11 38	1 15	22 37	0 34	4 53	0 41	15 6	1 47	6 26	13 8	13 53	13 39	17 56	10 44	0 50
W30	17 51	18 58	5 5	22 49	1 15	15 10	1 30	8 33	2 13	11 41	1 15	22 37	0 34	4 52	0 41	15 6	1 47	6 27	13 7	13 53	13 40	17 58	10 45	0 50
T 31	17s34	22s46	5s16	22s39	1s21	14s45	1s30	8s40	2n13	11n43	1n16	22s36	0n34	4s52	0n42	15s 7	1n47	6n27	13s 7	13s53	13s41	18s 1	10n45	0s50

Julian Day Number = 2318596.5, Delta T = 53.32 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'35, Lahiri = 18°46'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

FEBRUARY 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 42 44	11♒46'51	1♐43	25♑41	25♒53	28♎13	2°R33	9♑15	13°R55	16♏34	25°R38	22°R58	23♒33	5♏41	0♉ 7	F 1
S 2	8 46 41	12°47'39	13°52	27°14	27° 8	28°34	2♍26	9°21	13♎54	16°34	25♉38	22♒56	23°30	5°47	0° 9	S 2
S 3	8 50 38	13°48'27	26°15	28°47	28°23	28°54	2°19	9°28	13°53	16°35	25°38	22°55	23°27	5°54	0°10	S 3
M 4	8 54 34	14°49'13	8♑55	0♒21	29°38	29°14	2°12	9°34	13°53	16°35	25°38	22°54	23°24	6° 1	0°12	M 4
T 5	8 58 31	15°49'58	21°55	1°56	0♓53	29°34	2° 4	9°40	13°52	16°36	25°38	22°53	23°21	6° 7	0°13	T 5
W 6	9 2 27	16°50'42	5♒13	3°32	2° 8	29°53	1°57	9°46	13°51	16°36	25°38	22°52	23°18	6°14	0°15	W 6
T 7	9 6 24	17°51'25	18°51	5° 9	3°23	0♏12	1°50	9°52	13°50	16°37	25°38	22°D52	23°14	6°21	0°17	T 7
F 8	9 10 20	18°52'06	2♓44	6°46	4°38	0°31	1°42	9°58	13°49	16°37	25°37	22°52	23°11	6°28	0°18	F 8
S 9	9 14 17	19°52'46	16°51	8°25	5°53	0°49	1°35	10° 4	13°47	16°37	25°D37	22°52	23° 8	6°34	0°20	S 9
S 10	9 18 13	20°53'23	1♈ 6	10° 4	7° 7	1° 7	1°27	10°10	13°46	16°37	25°38	22°53	23° 5	6°41	0°22	S 10
M11	9 22 10	21°54'00	15°25	11°44	8°22	1°24	1°19	10°16	13°45	16°38	25°38	22°53	23° 2	6°48	0°24	M11
T 12	9 26 7	22°54'34	29°45	13°24	9°37	1°41	1°12	10°22	13°44	16°38	25°38	22°R53	22°58	6°54	0°26	T 12
W13	9 30 3	23°55'07	14♉ 2	15° 6	10°52	1°57	1° 4	10°28	13°42	16°38	25°38	22°53	22°55	7° 1	0°28	W13
T 14	9 34 0	24°55'38	28°13	16°49	12° 7	2°13	0°56	10°33	13°41	16°38	25°38	22°D53	22°52	7° 8	0°30	T 14
F 15	9 37 56	25°56'07	12♊16	18°33	13°21	2°29	0°48	10°39	13°40	16°38	25°38	22°53	22°49	7°15	0°32	F 15
S 16	9 41 53	26°56'34	26° 9	20°17	14°36	2°44	0°40	10°45	13°38	16°38	25°38	22°53	22°46	7°21	0°34	S 16
S 17	9 45 49	27°56'59	9♋51	22° 3	15°51	2°58	0°32	10°50	13°37	16°R38	25°38	22°54	22°43	7°28	0°36	S 17
M18	9 49 46	28°57'22	23°22	23°49	17° 5	3°13	0°25	10°56	13°35	16°38	25°38	22°54	22°39	7°35	0°39	M18
T 19	9 53 42	29°57'44	6♌40	25°36	18°20	3°26	0°17	11° 1	13°33	16°38	25°39	22°55	22°36	7°41	0°41	T 19
W20	9 57 39	0♓58'03	19°44	27°25	19°35	3°39	0° 9	11° 7	13°32	16°38	25°39	22°R55	22°33	7°48	0°43	W20
T 21	10 1 36	1°58'21	2♍36	29°14	20°49	3°52	0° 1	11°12	13°30	16°38	25°39	22°55	22°30	7°55	0°46	T 21
F 22	10 5 32	2°58'37	15°13	1♓ 4	22° 4	4° 4	29♌53	11°17	13°28	16°38	25°39	22°54	22°27	8° 2	0°48	F 22
S 23	10 9 29	3°58'51	27°38	2°55	23°18	4°15	29°45	11°22	13°27	16°38	25°40	22°53	22°24	8° 8	0°51	S 23
S 24	10 13 25	4°59'04	9♎51	4°48	24°33	4°26	29°37	11°27	13°25	16°37	25°40	22°51	22°20	8°15	0°53	S 24
M25	10 17 22	5°59'15	21°54	6°41	25°47	4°37	29°30	11°32	13°23	16°37	25°40	22°49	22°17	8°22	0°56	M25
T 26	10 21 18	6°59'24	3♏50	8°35	27° 2	4°47	29°22	11°37	13°21	16°37	25°41	22°47	22°14	8°28	0°59	T 26
W27	10 25 15	7°59'32	15°43	10°29	28°16	4°56	29°14	11°42	13°19	16°37	25°41	22°46	22°11	8°35	1° 1	W27
T 28	10 29 11	8°59'38	27°36	12°25	29°30	5° 5	29° 6	11°47	13°17	16°36	25°42	22°44	22° 8	8°42	1° 4	T 28
F 29	10 33 8	9♓59'43	9♐34	14♓21	0♈45	5♏13	28♌59	11♑52	13♎15	16♏36	25♉42	22°D44	22♒ 4	8♏49	1♉ 7	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s17	25s39	5s13	22s28	1s26	14s20	1s30	8s47	2n13	11n46	1n16	22s36	0n34	4s52	0n42	15s 7	1n47	6n27	13s 7	13s53	13s42	18s 3	10n46	0s50
S 2	17 0	27 24	4 56	22 15	1 31	13 54	1 30	8 54	2 14	11 49	1 16	22 35	0 34	4 51	0 42	15 7	1 47	6 27	13 6	13 54	13 43	18 6	10 46	0 50
S 3	16 43	27 51	4 25	22 1	1 36	13 28	1 30	9 1	2 14	11 51	1 16	22 35	0 34	4 51	0 42	15 7	1 47	6 28	13 6	13 54	13 44	18 8	10 47	0 50
M 4	16 25	26 51	3 40	21 45	1 40	13 2	1 30	9 8	2 15	11 54	1 16	22 35	0 34	4 51	0 42	15 7	1 47	6 28	13 6	13 55	13 45	18 11	10 47	0 50
T 5	16 7	24 23	2 43	21 28	1 44	12 35	1 30	9 14	2 15	11 57	1 16	22 34	0 34	4 50	0 42	15 7	1 47	6 28	13 6	13 55	13 46	18 13	10 48	0 50
W 6	15 49	20 33	1 36	21 9	1 48	12 8	1 29	9 21	2 15	12 0	1 17	22 34	0 34	4 50	0 42	15 7	1 47	6 28	13 5	13 55	13 47	18 16	10 48	0 50
T 7	15 31	15 34	0 22	20 49	1 52	11 40	1 29	9 27	2 16	12 2	1 17	22 33	0 34	4 49	0 42	15 7	1 48	6 29	13 5	13 55	13 48	18 18	10 49	0 50
F 8	15 12	9 40	0n54	20 28	1 55	11 12	1 29	9 33	2 16	12 5	1 17	22 33	0 34	4 49	0 42	15 7	1 48	6 29	13 5	13 55	13 49	18 21	10 49	0 50
S 9	14 53	3 13	2 9	20 5	1 57	10 44	1 28	9 39	2 16	12 8	1 17	22 32	0 34	4 49	0 42	15 7	1 48	6 29	13 4	13 55	13 50	18 23	10 50	0 50
S 10	14 34	3n26	3 16	19 41	2 0	10 16	1 28	9 45	2 17	12 11	1 17	22 32	0 34	4 48	0 42	15 7	1 48	6 30	13 4	13 55	13 51	18 26	10 51	0 50
M11	14 14	9 57	4 12	19 15	2 2	9 48	1 27	9 50	2 17	12 14	1 17	22 32	0 34	4 48	0 42	15 7	1 48	6 30	13 4	13 55	13 52	18 28	10 51	0 50
T 12	13 54	15 57	4 52	18 48	2 3	9 19	1 26	9 56	2 18	12 17	1 17	22 31	0 34	4 47	0 42	15 7	1 48	6 30	13 3	13 55	13 53	18 31	10 52	0 50
W13	13 35	21 4	5 13	18 19	2 5	8 50	1 26	10 1	2 18	12 20	1 18	22 31	0 34	4 47	0 42	15 7	1 48	6 31	13 3	13 55	13 54	18 33	10 53	0 50
T 14	13 14	24 56	5 16	17 49	2 6	8 20	1 25	10 6	2 18	12 22	1 18	22 30	0 34	4 46	0 42	15 7	1 48	6 31	13 3	13 55	13 55	18 36	10 53	0 50
F 15	12 54	27 15	4 59	17 18	2 6	7 51	1 24	10 11	2 18	12 25	1 18	22 30	0 34	4 45	0 42	15 7	1 48	6 31	13 2	13 55	13 56	18 38	10 54	0 50
S 16	12 33	27 51	4 25	16 45	2 6	7 21	1 23	10 16	2 19	12 28	1 18	22 30	0 34	4 45	0 42	15 7	1 48	6 32	13 2	13 55	13 57	18 41	10 55	0 50
S 17	12 13	26 43	3 37	16 10	2 6	6 51	1 22	10 21	2 19	12 31	1 18	22 29	0 34	4 44	0 42	15 7	1 48	6 32	13 2	13 55	13 58	18 43	10 55	0 50
M18	11 52	24 2	2 37	15 34	2 5	6 21	1 21	10 26	2 19	12 34	1 18	22 29	0 34	4 44	0 42	15 7	1 48	6 32	13 2	13 55	13 59	18 46	10 56	0 50
T 19	11 31	20 5	1 29	14 57	2 3	5 51	1 20	10 30	2 20	12 37	1 18	22 28	0 34	4 43	0 42	15 7	1 48	6 33	13 1	13 54	14 0	18 48	10 57	0 50
W20	11 9	15 12	0 18	14 18	2 2	5 20	1 19	10 34	2 20	12 40	1 18	22 28	0 34	4 42	0 42	15 7	1 48	6 33	13 1	13 54	14 2	18 50	10 58	0 50
T 21	10 48	9 45	0s53	13 38	1 59	4 50	1 17	10 38	2 20	12 43	1 18	22 28	0 34	4 42	0 42	15 7	1 48	6 33	13 1	13 54	14 3	18 53	10 59	0 50
F 22	10 26	3 59	2 0	12 56	1 57	4 19	1 16	10 42	2 20	12 45	1 18	22 27	0 34	4 41	0 42	15 7	1 48	6 34	13 0	13 55	14 4	18 55	10 59	0 50
S 23	10 4	1s49	3 0	12 13	1 53	3 48	1 15	10 46	2 21	12 48	1 18	22 27	0 33	4 40	0 42	15 6	1 48	6 34	13 0	13 55	14 5	18 58	11 0	0 51
S 24	9 42	7 27	3 51	11 28	1 49	3 17	1 13	10 49	2 21	12 51	1 18	22 26	0 33	4 40	0 42	15 6	1 49	6 34	13 0	13 56	14 6	19 0	11 1	0 51
M25	9 20	12 44	4 31	10 42	1 45	2 46	1 12	10 52	2 21	12 54	1 19	22 26	0 33	4 39	0 42	15 6	1 49	6 35	12 59	13 56	14 7	19 3	11 2	0 51
T 26	8 58	17 30	4 59	9 55	1 40	2 15	1 10	10 56	2 21	12 57	1 19	22 25	0 33	4 38	0 42	15 6	1 49	6 35	12 59	13 57	14 8	19 5	11 3	0 51
W27	8 35	21 34	5 13	9 6	1 35	1 44	1 9	10 59	2 21	12 59	1 19	22 25	0 33	4 37	0 42	15 6	1 49	6 35	12 59	13 57	14 9	19 7	11 4	0 51
T 28	8 13	24 46	5 15	8 17	1 28	1 13	1 7	11 1	2 21	13 2	1 19	22 25	0 33	4 36	0 42	15 6	1 49	6 36	12 59	13 58	14 10	19 10	11 5	0 51
F 29	7s50	26s54	5s 2	7s26	1s22	0s42	1s 5	11s 4	2n21	13n 5	1n19	22s24	0n33	4s36	0n42	15s 6	1n49	6n36	12s58	13s58	14s11	19s12	11n 6	0s51

Julian Day Number = 2318627.5, Delta T = 53.26 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'40, Lahiri = 18°46'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

MARCH 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 37 5	10♓59'46	21♐41	16♓17	1♈59	5♏20	28°R51	11♑57	13°R13	16°R35	25♉42	22♒44	22♒ 1	8♏55	1♉10	S 1
S 2	10 41 1	11°59'47	4♑ 2	18°14	3°13	5°27	28♌44	12° 1	13♎11	16♏35	25°43	22°45	21°58	9° 2	1°13	S 2
M 3	10 44 58	12°59'47	16°42	20°11	4°27	5°33	28°36	12° 6	13° 9	16°35	25°43	22°47	21°55	9° 9	1°15	M 3
T 4	10 48 54	13°59'45	29°43	22° 8	5°42	5°39	28°29	12°11	13° 7	16°34	25°44	22°48	21°52	9°16	1°18	T 4
W 5	10 52 51	14°59'42	13♒ 9	24° 5	6°56	5°44	28°21	12°15	13° 5	16°33	25°44	22°50	21°49	9°22	1°21	W 5
T 6	10 56 47	15°59'36	26°59	26° 1	8°10	5°48	28°14	12°19	13° 3	16°33	25°45	22°R50	21°45	9°29	1°24	T 6
F 7	11 0 44	16°59'29	11♓12	27°56	9°24	5°51	28° 7	12°24	13° 1	16°32	25°46	22°49	21°42	9°36	1°27	F 7
S 8	11 4 40	17°59'19	25°44	29°50	10°38	5°54	28° 0	12°28	12°58	16°32	25°46	22°47	21°39	9°42	1°31	S 8
S 9	11 8 37	18°59'08	10♈28	1♈43	11°52	5°56	27°53	12°32	12°56	16°31	25°47	22°43	21°36	9°49	1°34	S 9
M10	11 12 34	19°58'54	25°16	3°34	13° 6	5°57	27°46	12°36	12°54	16°30	25°47	22°39	21°33	9°56	1°37	M10
T 11	11 16 30	20°58'39	10♉ 2	5°22	14°20	5°R58	27°39	12°40	12°51	16°30	25°48	22°35	21°30	10° 3	1°40	T 11
W12	11 20 27	21°58'21	24°38	7° 7	15°34	5°58	27°33	12°44	12°49	16°29	25°49	22°32	21°26	10° 9	1°43	W12
T 13	11 24 23	22°58'01	8♊59	8°49	16°48	5°57	27°26	12°48	12°47	16°28	25°49	22°30	21°23	10°16	1°47	T 13
F 14	11 28 20	23°57'39	23° 2	10°27	18° 1	5°55	27°20	12°51	12°44	16°27	25°50	22°D29	21°20	10°23	1°50	F 14
S 15	11 32 16	24°57'14	6♋47	12° 1	19°15	5°53	27°13	12°55	12°42	16°26	25°51	22°30	21°17	10°29	1°53	S 15
S 16	11 36 13	25°56'47	20°14	13°30	20°29	5°50	27° 7	12°59	12°40	16°26	25°52	22°31	21°14	10°36	1°57	S 16
M17	11 40 9	26°56'17	3♌24	14°54	21°43	5°46	27° 1	13° 2	12°37	16°25	25°52	22°33	21°10	10°43	2° 0	M17
T 18	11 44 6	27°55'46	16°19	16°12	22°56	5°42	26°55	13° 6	12°35	16°24	25°53	22°R34	21° 7	10°50	2° 4	T 18
W19	11 48 3	28°55'12	29° 2	17°25	24°10	5°36	26°50	13° 9	12°32	16°23	25°54	22°34	21° 4	10°56	2° 7	W19
T 20	11 51 59	29°54'35	11♍33	18°31	25°23	5°30	26°44	13°12	12°30	16°22	25°55	22°32	21° 1	11° 3	2°11	T 20
F 21	11 55 56	0♈53'57	23°54	19°30	26°37	5°23	26°38	13°15	12°27	16°21	25°56	22°29	20°58	11°10	2°14	F 21
S 22	11 59 52	1°53'16	6♎ 7	20°23	27°50	5°16	26°33	13°18	12°25	16°20	25°56	22°23	20°55	11°17	2°18	S 22
S 23	12 3 49	2°52'34	18°12	21° 9	29° 3	5° 7	26°28	13°21	12°22	16°19	25°57	22°16	20°51	11°23	2°21	S 23
M24	12 7 45	3°51'49	0♏11	21°48	0♉17	4°58	26°23	13°24	12°20	16°18	25°58	22° 8	20°48	11°30	2°25	M24
T 25	12 11 42	4°51'03	12° 6	22°19	1°30	4°48	26°18	13°27	12°17	16°17	25°59	22° 0	20°45	11°37	2°28	T 25
W26	12 15 38	5°50'14	23°58	22°43	2°43	4°37	26°13	13°30	12°14	16°15	26° 0	21°53	20°42	11°43	2°32	W26
T 27	12 19 35	6°49'24	5♐51	23° 0	3°57	4°26	26° 9	13°32	12°12	16°14	26° 1	21°47	20°39	11°50	2°36	T 27
F 28	12 23 31	7°48'32	17°47	23°10	5°10	4°14	26° 4	13°35	12° 9	16°13	26° 2	21°43	20°35	11°57	2°39	F 28
S 29	12 27 28	8°47'38	29°52	23°R12	6°23	4° 1	26° 0	13°37	12° 7	16°12	26° 3	21°40	20°32	12° 4	2°43	S 29
S 30	12 31 25	9°46'43	12♑10	23° 8	7°36	3°47	25°56	13°39	12° 4	16°11	26° 4	21°D40	20°29	12°10	2°47	S 30
M31	12 35 21	10♈45'46	24♑45	22♈56	8♉49	3♏33	25♌52	13♑42	12♎ 2	16♏ 9	26♉ 5	21♒41	20♒26	12♏17	2♉51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s27	27s49	4s36	6s34	1s14	0s11	1s 3	11s 6	2n22	13n 8	1n19	22s24	0n33	4s35	0n42	15s 5	1n49	6n37	12s58	13s58	14s12	19s15	11n 6	0s51
S 2	7 5	27 23	3 57	5 41	1 7	0n21	1 1	11 8	2 22	13 10	1 19	22 23	0 33	4 34	0 42	15 5	1 49	6 37	12 58	13 57	14 13	19 17	11 7	0 51
M 3	6 42	25 31	3 6	4 47	0 58	0 52	1 0	11 10	2 22	13 13	1 19	22 23	0 33	4 33	0 42	15 5	1 49	6 37	12 57	13 57	14 14	19 19	11 8	0 51
T 4	6 19	22 16	2 4	3 53	0 49	1 23	0 58	11 12	2 22	13 15	1 19	22 23	0 33	4 32	0 42	15 5	1 49	6 38	12 57	13 56	14 15	19 22	11 9	0 51
W 5	5 55	17 45	0 53	2 58	0 39	1 54	0 56	11 14	2 22	13 18	1 19	22 22	0 33	4 32	0 42	15 5	1 49	6 38	12 57	13 56	14 16	19 24	11 10	0 51
T 6	5 32	12 11	0n23	2 2	0 29	2 26	0 53	11 15	2 22	13 20	1 19	22 22	0 33	4 31	0 42	15 4	1 49	6 39	12 57	13 56	14 17	19 26	11 11	0 51
F 7	5 9	5 51	1 39	1 6	0 19	2 57	0 51	11 16	2 22	13 23	1 19	22 22	0 33	4 30	0 42	15 4	1 49	6 39	12 56	13 56	14 18	19 29	11 12	0 51
S 8	4 45	0n55	2 51	0 11	0 7	3 28	0 49	11 17	2 21	13 25	1 19	22 21	0 33	4 29	0 42	15 4	1 49	6 39	12 56	13 57	14 19	19 31	11 13	0 51
S 9	4 22	7 42	3 52	0n45	0n 4	3 59	0 47	11 18	2 21	13 28	1 19	22 21	0 33	4 28	0 42	15 4	1 49	6 40	12 56	13 58	14 20	19 34	11 14	0 51
M10	3 59	14 6	4 38	1 40	0 16	4 30	0 45	11 19	2 21	13 30	1 19	22 21	0 33	4 27	0 42	15 4	1 49	6 40	12 55	13 59	14 21	19 36	11 16	0 51
T 11	3 35	19 41	5 5	2 34	0 28	5 1	0 42	11 19	2 21	13 33	1 19	22 20	0 33	4 26	0 42	15 3	1 49	6 41	12 55	14 1	14 22	19 38	11 17	0 51
W12	3 11	24 1	5 13	3 27	0 41	5 31	0 40	11 19	2 21	13 35	1 19	22 20	0 33	4 25	0 42	15 3	1 49	6 41	12 55	14 2	14 23	19 41	11 18	0 51
T 13	2 48	26 47	5 0	4 19	0 54	6 2	0 38	11 19	2 21	13 37	1 19	22 19	0 33	4 24	0 42	15 3	1 50	6 41	12 55	14 2	14 24	19 43	11 19	0 51
F 14	2 24	27 48	4 30	5 10	1 6	6 32	0 35	11 19	2 20	13 39	1 18	22 19	0 33	4 23	0 42	15 2	1 50	6 42	12 54	14 3	14 25	19 45	11 20	0 51
S 15	2 1	27 3	3 44	5 58	1 19	7 3	0 33	11 19	2 20	13 41	1 18	22 19	0 33	4 23	0 42	15 2	1 50	6 42	12 54	14 3	14 26	19 48	11 21	0 52
S 16	1 37	24 43	2 47	6 45	1 32	7 33	0 30	11 18	2 20	13 43	1 18	22 19	0 33	4 22	0 42	15 2	1 50	6 43	12 54	14 2	14 27	19 50	11 22	0 52
M17	1 13	21 6	1 43	7 29	1 44	8 3	0 28	11 17	2 19	13 45	1 18	22 18	0 33	4 21	0 42	15 2	1 50	6 43	12 53	14 2	14 28	19 52	11 23	0 52
T 18	0 50	16 31	0 34	8 10	1 56	8 33	0 25	11 16	2 19	13 47	1 18	22 18	0 33	4 20	0 42	15 1	1 50	6 44	12 53	14 1	14 29	19 54	11 24	0 52
W19	0 26	11 17	0s35	8 49	2 8	9 2	0 22	11 15	2 18	13 49	1 18	22 18	0 33	4 19	0 42	15 1	1 50	6 44	12 53	14 1	14 30	19 57	11 25	0 52
T 20	0 2	5 41	1 41	9 25	2 19	9 32	0 20	11 13	2 18	13 51	1 18	22 17	0 33	4 18	0 42	15 1	1 50	6 44	12 53	14 2	14 31	19 59	11 27	0 52
F 21	0n21	0s 3	2 42	9 57	2 29	10 1	0 17	11 12	2 17	13 53	1 18	22 17	0 33	4 17	0 42	15 0	1 50	6 45	12 52	14 3	14 32	20 1	11 28	0 52
S 22	0 45	5 43	3 34	10 26	2 39	10 30	0 14	11 10	2 16	13 55	1 18	22 17	0 33	4 16	0 42	15 0	1 50	6 45	12 52	14 5	14 33	20 4	11 29	0 52
S 23	1 9	11 6	4 16	10 52	2 48	10 59	0 12	11 7	2 16	13 56	1 18	22 16	0 33	4 15	0 42	15 0	1 50	6 46	12 52	14 7	14 34	20 6	11 30	0 52
M24	1 32	16 1	4 46	11 14	2 56	11 27	0 9	11 5	2 15	13 58	1 18	22 16	0 33	4 14	0 42	14 59	1 50	6 46	12 52	14 10	14 35	20 8	11 31	0 52
T 25	1 56	20 18	5 4	11 32	3 3	11 56	0 6	11 3	2 14	14 0	1 18	22 16	0 33	4 13	0 42	14 59	1 50	6 47	12 51	14 12	14 36	20 10	11 33	0 52
W26	2 19	23 46	5 8	11 46	3 8	12 23	0 3	11 0	2 13	14 1	1 18	22 16	0 33	4 12	0 42	14 59	1 50	6 47	12 51	14 15	14 37	20 13	11 34	0 52
T 27	2 43	26 14	4 59	11 56	3 13	12 51	0 0	10 57	2 12	14 3	1 17	22 15	0 33	4 11	0 42	14 58	1 50	6 47	12 51	14 17	14 38	20 15	11 35	0 52
F 28	3 6	27 31	4 37	12 3	3 16	13 18	0n 2	10 54	2 11	14 4	1 17	22 15	0 33	4 10	0 42	14 58	1 50	6 48	12 51	14 18	14 39	20 17	11 36	0 52
S 29	3 30	27 32	4 3	12 5	3 18	13 45	0 5	10 50	2 10	14 5	1 17	22 15	0 33	4 9	0 42	14 57	1 50	6 48	12 51	14 19	14 40	20 19	11 37	0 52
S 30	3 53	26 12	3 17	12 4	3 18	14 12	0 8	10 47	2 9	14 7	1 17	22 15	0 33	4 8	0 42	14 57	1 50	6 49	12 50	14 19	14 41	20 22	11 39	0 52
M31	4n16	23s31	2s20	11n59	3n17	14n39	0n11	10s43	2n 8	14n 8	1n17	22s15	0n33	4s 7	0n42	14s57	1n50	6n49	12s50	14s19	14s42	20s24	11n40	0s52

Julian Day Number = 2318656.5, Delta T = 53.20 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'43, Lahiri = 18°46'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

APRIL 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 39 18	11♈44'47	7♒42	22°R39	10♉ 2	3°R18	25°R48	13♋44	11°R59	16°R 8	26♉ 6	21♒42	20♒23	12♏24	2♉54	T 1
W 2	12 43 14	12°43'46	21° 5	22♈16	11°15	3♏ 2	25♌45	13°46	11♎56	16♏ 7	26° 7	21°R42	20°20	12°30	2°58	W 2
T 3	12 47 11	13°42'43	4♓56	21°48	12°27	2°46	25°41	13°48	11°54	16° 6	26° 8	21°42	20°16	12°37	3° 2	T 3
F 4	12 51 7	14°41'38	19°15	21°15	13°40	2°28	25°38	13°50	11°51	16° 4	26° 9	21°39	20°13	12°44	3° 6	F 4
S 5	12 55 4	15°40'32	3♈59	20°38	14°53	2°11	25°35	13°51	11°49	16° 3	26°10	21°34	20°10	12°51	3°10	S 5
S 6	12 59 0	16°39'23	19° 1	19°58	16° 6	1°53	25°32	13°53	11°46	16° 2	26°11	21°26	20° 7	12°57	3°14	S 6
M 7	13 2 57	17°38'13	4♉11	19°16	17°18	1°34	25°30	13°55	11°44	16° 0	26°12	21°18	20° 4	13° 4	3°18	M 7
T 8	13 6 54	18°37'00	19°20	18°32	18°31	1°15	25°27	13°56	11°41	15°59	26°13	21° 9	20° 1	13°11	3°21	T 8
W 9	13 10 50	19°35'46	4♊18	17°47	19°43	0°55	25°25	13°58	11°38	15°57	26°14	21° 2	19°57	13°17	3°25	W 9
T 10	13 14 47	20°34'29	18°56	17° 3	20°56	0°35	25°23	13°59	11°36	15°56	26°15	20°56	19°54	13°24	3°29	T 10
F 11	13 18 43	21°33'10	3♋10	16°20	22° 8	0°14	25°21	14° 0	11°33	15°55	26°17	20°52	19°51	13°31	3°33	F 11
S 12	13 22 40	22°31'49	16°58	15°38	23°21	29♎53	25°19	14° 1	11°31	15°53	26°18	20°D51	19°48	13°38	3°37	S 12
S 13	13 26 36	23°30'25	0♌21	14°59	24°33	29°32	25°17	14° 2	11°28	15°52	26°19	20°51	19°45	13°44	3°41	S 13
M14	13 30 33	24°28'59	13°23	14°23	25°45	29°10	25°16	14° 3	11°26	15°50	26°20	20°51	19°41	13°51	3°45	M14
T 15	13 34 29	25°27'31	26° 6	13°50	26°57	28°48	25°15	14° 4	11°23	15°49	26°21	20°R51	19°38	13°58	3°49	T 15
W16	13 38 26	26°26'01	8♍35	13°22	28° 9	28°26	25°14	14° 4	11°21	15°47	26°22	20°50	19°35	14° 5	3°53	W16
T 17	13 42 23	27°24'28	20°52	12°57	29°21	28° 4	25°13	14° 5	11°18	15°46	26°24	20°46	19°32	14°11	3°57	T 17
F 18	13 46 19	28°22'54	3♎ 0	12°38	0♊33	27°41	25°12	14° 6	11°16	15°44	26°25	20°39	19°29	14°18	4° 1	F 18
S 19	13 50 16	29°21'17	15° 2	12°23	1°45	27°19	25°12	14° 6	11°14	15°43	26°26	20°30	19°26	14°25	4° 5	S 19
S 20	13 54 12	0♉19'39	27° 0	12°13	2°57	26°56	25°12	14° 6	11°11	15°41	26°27	20°19	19°22	14°31	4° 9	S 20
M21	13 58 9	1°17'59	8♏54	12° 8	4° 9	26°34	25°D12	14° 7	11° 9	15°40	26°29	20° 6	19°19	14°38	4°13	M21
T 22	14 2 5	2°16'17	20°47	12°D 8	5°20	26°12	25°12	14° 7	11° 6	15°38	26°30	19°53	19°16	14°45	4°17	T 22
W23	14 6 2	3°14'33	2♐40	12°13	6°32	25°49	25°12	14°R 7	11° 4	15°36	26°31	19°40	19°13	14°52	4°21	W23
T 24	14 9 58	4°12'48	14°34	12°23	7°43	25°27	25°12	14° 7	11° 2	15°35	26°32	19°30	19°10	14°58	4°25	T 24
F 25	14 13 55	5°11'01	26°33	12°37	8°55	25° 5	25°13	14° 6	11° 0	15°33	26°34	19°21	19° 7	15° 5	4°29	F 25
S 26	14 17 52	6° 9'12	8♑38	12°56	10° 6	24°43	25°14	14° 6	10°57	15°32	26°35	19°16	19° 3	15°12	4°33	S 26
S 27	14 21 48	7° 7'22	20°55	13°20	11°18	24°22	25°15	14° 6	10°55	15°30	26°36	19°13	19° 0	15°19	4°37	S 27
M28	14 25 45	8° 5'31	3♒27	13°48	12°29	24° 1	25°16	14° 5	10°53	15°28	26°37	19°12	18°57	15°25	4°41	M28
T 29	14 29 41	9° 3'38	16°20	14°20	13°40	23°40	25°18	14° 5	10°51	15°27	26°39	19°12	18°54	15°32	4°45	T 29
W30	14 33 38	10♉ 1'44	29♒36	14♈56	14♊51	23♎19	25♌19	14♑ 4	10♎48	15♏25	26♉40	19♒12	18♒51	15♏39	4♉49	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n39	19s35	1s15	11n50	3n14	15n 5	0n14	10s39	2n 7	14n 9	1n17	22s14	0n33	4s 6	0n42	14s56	1n50	6n50	12s50	14s18	14s43	20s26	11n41	0s52
W 2	5 2	14 33	0 3	11 37	3 9	15 30	0 17	10 35	2 6	14 10	1 17	22 14	0 33	4 5	0 42	14 56	1 50	6 50	12 50	14 18	14 44	20 28	11 42	0 53
T 3	5 25	8 37	1n11	11 20	3 3	15 55	0 20	10 30	2 4	14 11	1 17	22 14	0 32	4 4	0 42	14 56	1 50	6 50	12 49	14 18	14 45	20 30	11 44	0 53
F 4	5 48	2 5	2 22	11 1	2 56	16 20	0 23	10 26	2 3	14 12	1 17	22 14	0 32	4 3	0 42	14 55	1 50	6 51	12 49	14 19	14 46	20 33	11 45	0 53
S 5	6 11	4n45	3 27	10 39	2 46	16 45	0 26	10 21	2 2	14 13	1 16	22 14	0 32	4 2	0 42	14 55	1 50	6 51	12 49	14 21	14 47	20 35	11 46	0 53
S 6	6 34	11 26	4 18	10 14	2 36	17 9	0 29	10 16	2 0	14 14	1 16	22 14	0 32	4 1	0 42	14 54	1 51	6 52	12 49	14 23	14 48	20 37	11 47	0 53
M 7	6 56	17 30	4 51	9 46	2 24	17 32	0 32	10 11	1 58	14 15	1 16	22 13	0 32	4 0	0 42	14 54	1 51	6 52	12 49	14 26	14 49	20 39	11 49	0 53
T 8	7 19	22 29	5 5	9 18	2 11	17 56	0 35	10 6	1 57	14 15	1 16	22 13	0 32	3 59	0 42	14 53	1 51	6 53	12 48	14 29	14 50	20 41	11 50	0 53
W 9	7 41	25 54	4 57	8 47	1 57	18 18	0 38	10 1	1 55	14 16	1 16	22 13	0 32	3 58	0 42	14 53	1 51	6 53	12 48	14 31	14 51	20 44	11 51	0 53
T 10	8 3	27 30	4 29	8 16	1 42	18 41	0 41	9 56	1 53	14 17	1 16	22 13	0 32	3 57	0 42	14 53	1 51	6 54	12 48	14 33	14 52	20 46	11 52	0 53
F 11	8 25	27 13	3 46	7 45	1 26	19 2	0 44	9 50	1 51	14 17	1 16	22 13	0 32	3 56	0 42	14 52	1 51	6 54	12 48	14 34	14 53	20 48	11 54	0 53
S 12	8 47	25 14	2 51	7 14	1 10	19 24	0 46	9 45	1 50	14 18	1 16	22 13	0 32	3 55	0 42	14 52	1 51	6 54	12 48	14 35	14 54	20 50	11 55	0 53
S 13	9 9	21 52	1 47	6 44	0 53	19 45	0 49	9 39	1 48	14 18	1 15	22 13	0 32	3 54	0 42	14 51	1 51	6 55	12 47	14 35	14 55	20 52	11 56	0 53
M14	9 30	17 28	0 40	6 14	0 36	20 5	0 52	9 33	1 46	14 18	1 15	22 13	0 32	3 53	0 42	14 51	1 51	6 55	12 47	14 34	14 56	20 54	11 57	0 53
T 15	9 52	12 24	0s28	5 46	0 19	20 25	0 55	9 28	1 43	14 19	1 15	22 13	0 32	3 52	0 42	14 50	1 51	6 56	12 47	14 34	14 57	20 57	11 59	0 53
W16	10 13	6 56	1 33	5 20	0 3	20 44	0 58	9 22	1 41	14 19	1 15	22 13	0 32	3 51	0 42	14 50	1 51	6 56	12 47	14 35	14 58	20 59	12 0	0 54
T 17	10 34	1 18	2 32	4 55	0s14	21 3	1 1	9 16	1 39	14 19	1 15	22 13	0 32	3 50	0 42	14 49	1 51	6 56	12 47	14 36	14 59	21 1	12 1	0 54
F 18	10 55	4s19	3 24	4 33	0 29	21 21	1 4	9 10	1 37	14 19	1 15	22 13	0 32	3 49	0 42	14 49	1 51	6 57	12 47	14 38	15 0	21 3	12 3	0 54
S 19	11 16	9 43	4 6	4 13	0 45	21 38	1 6	9 4	1 35	14 19	1 14	22 13	0 32	3 48	0 42	14 49	1 51	6 57	12 46	14 41	15 1	21 5	12 4	0 54
S 20	11 37	14 43	4 37	3 55	1 0	21 55	1 9	8 58	1 32	14 19	1 14	22 13	0 32	3 47	0 42	14 48	1 51	6 58	12 46	14 45	15 2	21 7	12 5	0 54
M21	11 57	19 9	4 55	3 41	1 14	22 12	1 12	8 52	1 30	14 19	1 14	22 13	0 32	3 46	0 42	14 48	1 51	6 58	12 46	14 49	15 3	21 9	12 6	0 54
T 22	12 17	22 49	5 1	3 28	1 27	22 28	1 15	8 46	1 27	14 19	1 14	22 13	0 32	3 45	0 42	14 47	1 51	6 59	12 46	14 53	15 4	21 11	12 8	0 54
W23	12 37	25 31	4 53	3 19	1 40	22 43	1 17	8 41	1 25	14 18	1 14	22 13	0 32	3 44	0 42	14 47	1 51	6 59	12 46	14 57	15 5	21 13	12 9	0 54
T 24	12 57	27 7	4 33	3 11	1 51	22 58	1 20	8 35	1 22	14 18	1 14	22 13	0 32	3 44	0 42	14 46	1 51	6 59	12 46	15 0	15 6	21 16	12 10	0 54
F 25	13 17	27 27	4 1	3 7	2 2	23 12	1 23	8 29	1 20	14 18	1 14	22 13	0 32	3 43	0 42	14 46	1 51	7 0	12 46	15 3	15 7	21 18	12 11	0 54
S 26	13 36	26 29	3 17	3 5	2 13	23 25	1 25	8 24	1 17	14 17	1 13	22 13	0 32	3 42	0 42	14 45	1 51	7 0	12 46	15 5	15 8	21 20	12 13	0 54
S 27	13 55	24 13	2 24	3 6	2 22	23 38	1 28	8 18	1 15	14 17	1 13	22 13	0 32	3 41	0 42	14 45	1 51	7 1	12 45	15 5	15 9	21 22	12 14	0 54
M28	14 14	20 45	1 22	3 9	2 30	23 50	1 30	8 13	1 12	14 16	1 13	22 13	0 32	3 40	0 42	14 44	1 51	7 1	12 45	15 6	15 10	21 24	12 15	0 54
T 29	14 33	16 13	0 15	3 14	2 38	24 1	1 33	8 8	1 9	14 16	1 13	22 13	0 32	3 39	0 42	14 44	1 51	7 1	12 45	15 6	15 11	21 26	12 17	0 55
W30	14n51	10s47	0n55	3n22	2s45	24n12	1n35	8s 3	1n 7	14n15	1n13	22s13	0n32	3s38	0n42	14s43	1n51	7n 2	12s45	15s 6	15s12	21s28	12n18	0s55

Julian Day Number = 2318687.5, Delta T = 53.14 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'48, Lahiri = 18°46'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

MAY 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 37 34	10♉59'48	13♓21	15♈35	16♊ 2	22°R59	25♌21	14°R 3	10°R46	15°R24	26♉41	19°R10	18♒47	15♏45	4♉53	T 1
F 2	14 41 31	11°57'50	27°34	16°19	17°13	22♎40	25°23	14♑ 2	10♎44	15♏22	26°43	19♒ 6	18°44	15°52	4°57	F 2
S 3	14 45 27	12°55'52	12♈15	17° 6	18°24	22°21	25°25	14° 2	10°42	15°20	26°44	19° 0	18°41	15°59	5° 1	S 3
S 4	14 49 24	13°53'52	27°18	17°57	19°35	22° 2	25°27	14° 0	10°40	15°19	26°45	18°51	18°38	16° 6	5° 5	S 4
M 5	14 53 21	14°51'50	12♉35	18°51	20°45	21°44	25°30	13°59	10°38	15°17	26°47	18°40	18°35	16°12	5° 9	M 5
T 6	14 57 17	15°49'47	27°55	19°48	21°56	21°27	25°32	13°58	10°36	15°15	26°48	18°29	18°32	16°19	5°13	T 6
W 7	15 1 14	16°47'43	13♊ 5	20°48	23° 7	21°10	25°35	13°57	10°34	15°14	26°49	18°19	18°28	16°26	5°17	W 7
T 8	15 5 10	17°45'37	27°57	21°51	24°17	20°54	25°38	13°55	10°32	15°12	26°51	18°11	18°25	16°32	5°21	T 8
F 9	15 9 7	18°43'29	12♋23	22°57	25°28	20°39	25°41	13°54	10°31	15°11	26°52	18° 6	18°22	16°39	5°25	F 9
S 10	15 13 3	19°41'19	26°20	24° 6	26°38	20°24	25°44	13°52	10°29	15° 9	26°53	18° 3	18°19	16°46	5°29	S 10
S 11	15 17 0	20°39'08	9♌49	25°17	27°48	20°10	25°48	13°51	10°27	15° 7	26°55	18° 2	18°16	16°53	5°33	S 11
M12	15 20 56	21°36'55	22°52	26°32	28°58	19°57	25°52	13°49	10°25	15° 6	26°56	18° 2	18°13	16°59	5°37	M12
T 13	15 24 53	22°34'40	5♍32	27°48	0♋ 8	19°45	25°55	13°47	10°23	15° 4	26°57	18° 1	18° 9	17° 6	5°41	T 13
W14	15 28 50	23°32'23	17°56	29° 8	1°18	19°33	25°59	13°45	10°22	15° 2	26°59	17°59	18° 6	17°13	5°44	W14
T 15	15 32 46	24°30'05	0♎ 6	0♉29	2°28	19°22	26° 3	13°43	10°20	15° 1	27° 0	17°55	18° 3	17°20	5°48	T 15
F 16	15 36 43	25°27'45	12° 7	1°54	3°38	19°12	26° 8	13°41	10°19	14°59	27° 2	17°49	18° 0	17°26	5°52	F 16
S 17	15 40 39	26°25'24	24° 3	3°20	4°47	19° 3	26°12	13°39	10°17	14°58	27° 3	17°39	17°57	17°33	5°56	S 17
S 18	15 44 36	27°23'01	5♏56	4°49	5°57	18°54	26°17	13°36	10°16	14°56	27° 4	17°27	17°53	17°40	6° 0	S 18
M19	15 48 32	28°20'37	17°49	6°21	7° 6	18°47	26°22	13°34	10°14	14°55	27° 6	17°14	17°50	17°46	6° 4	M19
T 20	15 52 29	29°18'12	29°42	7°55	8°15	18°40	26°27	13°31	10°13	14°53	27° 7	17° 0	17°47	17°53	6° 7	T 20
W21	15 56 25	0♊15'46	11♐38	9°31	9°25	18°34	26°32	13°29	10°11	14°51	27° 8	16°48	17°44	18° 0	6°11	W21
T 22	16 0 22	1°13'18	23°37	11°10	10°34	18°29	26°37	13°26	10°10	14°50	27°10	16°37	17°41	18° 7	6°15	T 22
F 23	16 4 19	2°10'50	5♑42	12°51	11°43	18°24	26°42	13°24	10° 9	14°48	27°11	16°28	17°38	18°13	6°19	F 23
S 24	16 8 15	3° 8'20	17°54	14°34	12°51	18°21	26°48	13°21	10° 8	14°47	27°12	16°22	17°34	18°20	6°22	S 24
S 25	16 12 12	4° 5'50	0♒16	16°20	14° 0	18°18	26°53	13°18	10° 6	14°45	27°14	16°19	17°31	18°27	6°26	S 25
M26	16 16 8	5° 3'19	12°52	18° 8	15° 9	18°16	26°59	13°15	10° 5	14°44	27°15	16°D18	17°28	18°34	6°30	M26
T 27	16 20 5	6° 0'46	25°45	19°58	16°17	18°15	27° 5	13°12	10° 4	14°42	27°16	16°18	17°25	18°40	6°33	T 27
W28	16 24 1	6°58'14	8♓58	21°50	17°26	18°D14	27°11	13° 9	10° 3	14°41	27°18	16°R18	17°22	18°47	6°37	W28
T 29	16 27 58	7°55'40	22°36	23°45	18°34	18°15	27°18	13° 6	10° 2	14°39	27°19	16°17	17°19	18°54	6°41	T 29
F 30	16 31 54	8°53'06	6♈39	25°42	19°42	18°16	27°24	13° 3	10° 1	14°38	27°20	16°15	17°15	19° 0	6°44	F 30
S 31	16 35 51	9♊50'31	21♈ 8	27♉41	20♋50	18♎18	27♌31	12♑59	10♎ 0	14♏36	27♉22	16♒10	17♒12	19♏ 7	6♉48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 9	4s39	2n 4	3n31	2s51	24n22	1n38	7s58	1n 4	14n14	1n13	22s13	0n32	3s38	0n42	14s43	1n51	7n 2	12s45	15s 6	15s13	21s30	12n19	0s55
F 2	15 27	1n54	3 8	3 43	2 56	24 32	1 40	7 53	1 1	14 13	1 12	22 13	0 32	3 37	0 42	14 42	1 51	7 2	12 45	15 8	15 14	21 32	12 20	0 55
S 3	15 45	8 33	4 1	3 57	3 0	24 41	1 42	7 48	0 59	14 13	1 12	22 13	0 32	3 36	0 42	14 42	1 51	7 3	12 45	15 10	15 15	21 34	12 22	0 55
S 4	16 3	14 52	4 39	4 13	3 4	24 49	1 44	7 44	0 56	14 12	1 12	22 14	0 32	3 35	0 42	14 41	1 51	7 3	12 45	15 12	15 16	21 36	12 23	0 55
M 5	16 20	20 23	4 58	4 31	3 7	24 56	1 46	7 40	0 53	14 11	1 12	22 14	0 32	3 35	0 42	14 41	1 51	7 4	12 45	15 16	15 17	21 38	12 24	0 55
T 6	16 37	24 32	4 56	4 50	3 9	25 3	1 49	7 36	0 51	14 10	1 12	22 14	0 32	3 34	0 42	14 41	1 51	7 4	12 44	15 19	15 18	21 40	12 25	0 55
W 7	16 53	26 56	4 33	5 11	3 11	25 9	1 51	7 32	0 48	14 9	1 12	22 14	0 32	3 33	0 42	14 40	1 51	7 4	12 44	15 22	15 19	21 42	12 27	0 55
T 8	17 10	27 20	3 52	5 34	3 11	25 14	1 52	7 29	0 45	14 7	1 12	22 14	0 32	3 32	0 42	14 40	1 51	7 5	12 44	15 25	15 20	21 44	12 28	0 55
F 9	17 26	25 50	2 56	5 59	3 11	25 19	1 54	7 25	0 42	14 6	1 11	22 14	0 31	3 32	0 42	14 39	1 51	7 5	12 44	15 26	15 21	21 46	12 29	0 55
S 10	17 42	22 46	1 52	6 24	3 11	25 23	1 56	7 22	0 40	14 5	1 11	22 15	0 31	3 31	0 42	14 39	1 51	7 5	12 44	15 27	15 22	21 48	12 30	0 56
S 11	17 57	18 31	0 43	6 52	3 9	25 26	1 58	7 20	0 37	14 4	1 11	22 15	0 31	3 30	0 42	14 38	1 51	7 6	12 44	15 28	15 23	21 50	12 31	0 56
M12	18 12	13 31	0s26	7 20	3 8	25 29	2 0	7 17	0 34	14 2	1 11	22 15	0 31	3 30	0 42	14 38	1 51	7 6	12 44	15 28	15 24	21 52	12 33	0 56
T 13	18 27	8 5	1 31	7 50	3 5	25 31	2 1	7 15	0 32	14 1	1 11	22 15	0 31	3 29	0 42	14 37	1 51	7 6	12 44	15 28	15 25	21 54	12 34	0 56
W14	18 42	2 28	2 31	8 21	3 2	25 32	2 3	7 13	0 29	13 59	1 11	22 16	0 31	3 28	0 42	14 37	1 51	7 7	12 44	15 28	15 26	21 56	12 35	0 56
T 15	18 56	3s 8	3 23	8 53	2 58	25 32	2 4	7 11	0 26	13 58	1 10	22 16	0 31	3 28	0 42	14 36	1 51	7 7	12 44	15 29	15 27	21 58	12 36	0 56
F 16	19 10	8 33	4 4	9 26	2 54	25 32	2 6	7 10	0 24	13 56	1 10	22 16	0 31	3 27	0 42	14 36	1 51	7 7	12 44	15 32	15 28	22 0	12 37	0 56
S 17	19 24	13 37	4 35	10 1	2 49	25 31	2 7	7 9	0 21	13 54	1 10	22 16	0 31	3 27	0 42	14 35	1 51	7 8	12 44	15 34	15 29	22 2	12 39	0 56
S 18	19 37	18 9	4 54	10 36	2 43	25 29	2 8	7 8	0 19	13 53	1 10	22 17	0 31	3 26	0 42	14 35	1 51	7 8	12 44	15 38	15 30	22 4	12 40	0 56
M19	19 50	21 58	5 0	11 12	2 37	25 27	2 9	7 7	0 16	13 51	1 10	22 17	0 31	3 26	0 41	14 35	1 51	7 8	12 44	15 42	15 31	22 6	12 41	0 56
T 20	20 3	24 53	4 53	11 48	2 30	25 24	2 10	7 7	0 14	13 49	1 10	22 17	0 31	3 25	0 41	14 34	1 51	7 9	12 44	15 46	15 32	22 8	12 42	0 57
W21	20 15	26 44	4 33	12 25	2 23	25 20	2 11	7 7	0 11	13 47	1 9	22 17	0 31	3 25	0 41	14 34	1 51	7 9	12 44	15 50	15 33	22 10	12 43	0 57
T 22	20 27	27 20	4 1	13 3	2 16	25 16	2 12	7 7	0 9	13 45	1 9	22 18	0 31	3 24	0 41	14 33	1 51	7 9	12 44	15 53	15 34	22 12	12 44	0 57
F 23	20 38	26 39	3 17	13 42	2 8	25 11	2 13	7 8	0 6	13 43	1 9	22 18	0 31	3 24	0 41	14 33	1 51	7 10	12 44	15 56	15 35	22 14	12 45	0 57
S 24	20 50	24 40	2 24	14 20	1 59	25 5	2 14	7 9	0 4	13 41	1 9	22 18	0 31	3 23	0 41	14 32	1 51	7 10	12 44	15 58	15 36	22 16	12 47	0 57
S 25	21 1	21 30	1 24	14 59	1 50	24 59	2 14	7 10	0 2	13 39	1 9	22 19	0 31	3 23	0 41	14 32	1 51	7 10	12 44	15 59	15 37	22 17	12 48	0 57
M26	21 11	17 17	0 18	15 39	1 41	24 52	2 15	7 11	0s 1	13 37	1 9	22 19	0 31	3 22	0 41	14 32	1 51	7 11	12 44	15 59	15 38	22 19	12 49	0 57
T 27	21 21	12 11	0n50	16 18	1 31	24 44	2 15	7 13	0 3	13 35	1 9	22 19	0 31	3 22	0 41	14 31	1 51	7 11	12 44	15 59	15 39	22 21	12 50	0 57
W28	21 31	6 25	1 57	16 57	1 22	24 36	2 16	7 15	0 5	13 33	1 8	22 20	0 31	3 21	0 41	14 31	1 51	7 11	12 44	15 59	15 40	22 23	12 51	0 57
T 29	21 41	0 11	3 0	17 36	1 11	24 27	2 16	7 17	0 8	13 30	1 8	22 20	0 31	3 21	0 41	14 30	1 51	7 11	12 44	15 59	15 41	22 25	12 52	0 57
F 30	21 50	6n14	3 54	18 14	1 1	24 17	2 16	7 20	0 10	13 28	1 8	22 20	0 31	3 21	0 41	14 30	1 51	7 12	12 44	16 0	15 42	22 27	12 53	0 58
S 31	21n58	12n30	4n35	18n52	0s50	24n 7	2n16	7s22	0s12	13n26	1n 8	22s21	0n30	3s20	0n41	14s29	1n51	7n12	12s44	16s 2	15s43	22s29	12n54	0s58

Julian Day Number = 2318717.5, Delta T = 53.07 sec
Ecliptic obliquity = 23°29'19, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'52, Lahiri = 18°46'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

JUNE 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 39 48	10♊47'56	6♉ 0	29♉43	21♋58	18♎21	27♌37	12°R56	9°R59	14°R35	27♉23	16°R 2	17♒ 9	19♏14	6♉51	S 1
M 2	16 43 44	11°45'20	21° 6	1♊46	23° 5	18°24	27°44	12♑53	9♎59	14♏34	27°24	15♒54	17° 6	19°21	6°55	M 2
T 3	16 47 41	12°42'43	6♊19	3°51	24°13	18°28	27°51	12°49	9°58	14°32	27°26	15°44	17° 3	19°27	6°58	T 3
W 4	16 51 37	13°40'06	21°27	5°57	25°20	18°33	27°58	12°46	9°57	14°31	27°27	15°36	16°59	19°34	7° 1	W 4
T 5	16 55 34	14°37'28	6♋21	8° 5	26°28	18°39	28° 5	12°42	9°56	14°29	27°28	15°29	16°56	19°41	7° 5	T 5
F 6	16 59 30	15°34'48	20°51	10°15	27°35	18°46	28°13	12°39	9°56	14°28	27°30	15°24	16°53	19°48	7° 8	F 6
S 7	17 3 27	16°32'08	4♌55	12°25	28°42	18°53	28°20	12°35	9°55	14°27	27°31	15°22	16°50	19°54	7°12	S 7
S 8	17 7 24	17°29'28	18°30	14°36	29°49	19° 1	28°28	12°31	9°55	14°25	27°32	15°D21	16°47	20° 1	7°15	S 8
M 9	17 11 20	18°26'46	1♍38	16°48	0♌55	19° 9	28°35	12°27	9°54	14°24	27°34	15°22	16°44	20° 8	7°18	M 9
T 10	17 15 17	19°24'03	14°22	19° 0	2° 2	19°19	28°43	12°23	9°54	14°23	27°35	15°R23	16°40	20°14	7°21	T 10
W11	17 19 13	20°21'19	26°47	21°12	3° 8	19°29	28°51	12°20	9°54	14°22	27°36	15°23	16°37	20°21	7°25	W11
T 12	17 23 10	21°18'35	8♎57	23°23	4°14	19°39	28°59	12°16	9°53	14°20	27°37	15°21	16°34	20°28	7°28	T 12
F 13	17 27 6	22°15'49	20°57	25°34	5°20	19°50	29° 7	12°12	9°53	14°19	27°39	15°17	16°31	20°35	7°31	F 13
S 14	17 31 3	23°13'03	2♏51	27°44	6°26	20° 2	29°16	12° 8	9°53	14°18	27°40	15°11	16°28	20°41	7°34	S 14
S 15	17 34 59	24°10'17	14°43	29°53	7°32	20°15	29°24	12° 4	9°53	14°17	27°41	15° 4	16°25	20°48	7°37	S 15
M16	17 38 56	25° 7'29	26°36	2♋ 1	8°37	20°28	29°33	11°59	9°53	14°16	27°42	14°55	16°21	20°55	7°40	M16
T 17	17 42 53	26° 4'42	8♐32	4° 7	9°42	20°42	29°41	11°55	9°D53	14°15	27°44	14°46	16°18	21° 1	7°43	T 17
W18	17 46 49	27° 1'54	20°33	6°12	10°47	20°56	29°50	11°51	9°53	14°13	27°45	14°37	16°15	21° 8	7°46	W18
T 19	17 50 46	27°59'05	2♑41	8°15	11°52	21°11	29°59	11°47	9°53	14°12	27°46	14°29	16°12	21°15	7°49	T 19
F 20	17 54 42	28°56'17	14°56	10°17	12°56	21°27	0♏ 8	11°43	9°53	14°11	27°47	14°24	16° 9	21°22	7°52	F 20
S 21	17 58 39	29°53'28	27°21	12°16	14° 1	21°43	0°17	11°38	9°53	14°10	27°48	14°20	16° 5	21°28	7°55	S 21
S 22	18 2 35	0♋50'39	9♒56	14°14	15° 5	21°59	0°26	11°34	9°53	14° 9	27°50	14°D19	16° 2	21°35	7°57	S 22
M23	18 6 32	1°47'50	22°44	16° 9	16° 9	22°16	0°35	11°30	9°54	14° 8	27°51	14°19	15°59	21°42	8° 0	M23
T 24	18 10 28	2°45'01	5♓46	18° 3	17°12	22°34	0°44	11°26	9°54	14° 7	27°52	14°20	15°56	21°49	8° 3	T 24
W25	18 14 25	3°42'12	19° 5	19°54	18°16	22°52	0°54	11°21	9°54	14° 6	27°53	14°22	15°53	21°55	8° 6	W25
T 26	18 18 22	4°39'23	2♈43	21°43	19°19	23°11	1° 3	11°17	9°55	14° 6	27°54	14°R22	15°50	22° 2	8° 8	T 26
F 27	18 22 18	5°36'34	16°40	23°30	20°22	23°30	1°13	11°12	9°55	14° 5	27°55	14°22	15°46	22° 9	8°11	F 27
S 28	18 26 15	6°33'46	0♉57	25°16	21°24	23°50	1°23	11° 8	9°56	14° 4	27°56	14°20	15°43	22°15	8°13	S 28
S 29	18 30 11	7°30'58	15°30	26°59	22°27	24°10	1°33	11° 4	9°57	14° 3	27°57	14°16	15°40	22°22	8°16	S 29
M30	18 34 8	8♋28'11	0♊17	28♋40	23♌29	24♎31	1♏43	10♑59	9♎57	14♏ 2	27♉59	14♒12	15♒37	22♏29	8♉18	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n 7	18n14	4n58	19n29	0s39	23n56	2n16	7s25	0s14	13n23	1n 8	22s21	0n30	3s20	0n41	14s29	1n51	7n12	12s44	16s 4	15s44	22s31	12n55	0s58	S 1
M 2	22 15	22 55	5 2	20 6	0 28	23 44	2 16	7 29	0 16	13 21	1 8	22 22	0 30	3 20	0 41	14 29	1 51	7 12	12 44	16 6	15 45	22 32	12 56	0 58	M 2
T 3	22 22	26 4	4 44	20 41	0 17	23 32	2 16	7 32	0 18	13 18	1 8	22 22	0 30	3 20	0 41	14 28	1 51	7 13	12 44	16 9	15 46	22 34	12 57	0 58	T 3
W 4	22 29	27 18	4 6	21 14	0 7	23 20	2 15	7 36	0 20	13 16	1 8	22 22	0 30	3 19	0 41	14 28	1 50	7 13	12 44	16 12	15 47	22 36	12 58	0 58	W 4
T 5	22 36	26 32	3 12	21 46	0n 4	23 6	2 15	7 40	0 22	13 13	1 7	22 23	0 30	3 19	0 41	14 28	1 50	7 13	12 44	16 14	15 47	22 38	12 59	0 58	T 5
F 6	22 42	23 57	2 7	22 17	0 15	22 53	2 14	7 44	0 24	13 10	1 7	22 23	0 30	3 19	0 41	14 27	1 50	7 13	12 44	16 15	15 48	22 40	13 0	0 58	F 6
S 7	22 48	19 58	0 56	22 45	0 25	22 38	2 13	7 49	0 26	13 8	1 7	22 24	0 30	3 19	0 41	14 27	1 50	7 14	12 44	16 16	15 49	22 42	13 1	0 59	S 7
S 8	22 54	15 3	0s17	23 11	0 35	22 23	2 12	7 53	0 28	13 5	1 7	22 24	0 30	3 19	0 41	14 27	1 50	7 14	12 44	16 16	15 50	22 43	13 2	0 59	S 8
M 9	22 59	9 35	1 26	23 35	0 45	22 8	2 11	7 58	0 30	13 2	1 7	22 24	0 30	3 19	0 41	14 26	1 50	7 14	12 44	16 16	15 51	22 45	13 3	0 59	M 9
T 10	23 4	3 52	2 29	23 56	0 54	21 52	2 10	8 4	0 32	12 59	1 7	22 25	0 30	3 18	0 41	14 26	1 50	7 14	12 44	16 15	15 52	22 47	13 4	0 59	T 10
W11	23 8	1s49	3 23	24 15	1 3	21 35	2 9	8 9	0 33	12 56	1 7	22 25	0 30	3 18	0 41	14 26	1 50	7 14	12 44	16 15	15 53	22 49	13 5	0 59	W11
T 12	23 12	7 20	4 7	24 30	1 11	21 18	2 8	8 15	0 35	12 53	1 7	22 26	0 30	3 18	0 41	14 25	1 50	7 15	12 44	16 16	15 54	22 51	13 6	0 59	T 12
F 13	23 16	12 30	4 39	24 44	1 19	21 1	2 6	8 21	0 37	12 50	1 6	22 26	0 30	3 18	0 41	14 25	1 50	7 15	12 44	16 17	15 55	22 52	13 7	0 59	F 13
S 14	23 19	17 10	4 59	24 54	1 26	20 43	2 5	8 27	0 39	12 47	1 6	22 27	0 30	3 18	0 40	14 25	1 50	7 15	12 44	16 19	15 56	22 54	13 8	0 59	S 14
S 15	23 22	21 9	5 6	25 1	1 32	20 24	2 3	8 33	0 40	12 44	1 6	22 27	0 30	3 18	0 40	14 24	1 50	7 15	12 45	16 21	15 57	22 56	13 9	1 0	S 15
M16	23 24	24 17	5 0	25 6	1 37	20 6	2 1	8 40	0 42	12 41	1 6	22 27	0 29	3 18	0 40	14 24	1 50	7 15	12 45	16 24	15 58	22 58	13 9	1 0	M16
T 17	23 26	26 23	4 40	25 8	1 42	19 46	1 59	8 46	0 44	12 38	1 6	22 28	0 29	3 18	0 40	14 24	1 50	7 16	12 45	16 26	15 59	22 59	13 10	1 0	T 17
W18	23 27	27 17	4 9	25 7	1 46	19 27	1 57	8 53	0 45	12 35	1 6	22 28	0 29	3 18	0 40	14 23	1 50	7 16	12 45	16 29	16 0	23 1	13 11	1 0	W18
T 19	23 28	26 53	3 25	25 3	1 50	19 6	1 55	9 0	0 47	12 32	1 6	22 29	0 29	3 18	0 40	14 23	1 50	7 16	12 45	16 31	16 1	23 3	13 12	1 0	T 19
F 20	23 29	25 10	2 32	24 57	1 52	18 46	1 53	9 7	0 48	12 28	1 6	22 29	0 29	3 18	0 40	14 23	1 50	7 16	12 45	16 33	16 2	23 5	13 13	1 0	F 20
S 21	23 29	22 13	1 30	24 49	1 54	18 25	1 50	9 15	0 50	12 25	1 5	22 30	0 29	3 18	0 40	14 23	1 50	7 16	12 45	16 34	16 3	23 6	13 13	1 0	S 21
S 22	23 29	18 10	0 24	24 38	1 55	18 4	1 48	9 22	0 51	12 22	1 5	22 30	0 29	3 19	0 40	14 22	1 50	7 16	12 45	16 34	16 4	23 8	13 14	1 0	S 22
M23	23 29	13 15	0n45	24 25	1 56	17 42	1 45	9 30	0 53	12 18	1 5	22 31	0 29	3 19	0 40	14 22	1 50	7 16	12 45	16 34	16 5	23 10	13 15	1 1	M23
T 24	23 28	7 39	1 54	24 11	1 55	17 20	1 42	9 38	0 54	12 15	1 5	22 31	0 29	3 19	0 40	14 22	1 50	7 17	12 45	16 34	16 6	23 12	13 16	1 1	T 24
W25	23 26	1 37	2 57	23 54	1 54	16 57	1 39	9 46	0 56	12 11	1 5	22 31	0 29	3 19	0 40	14 22	1 50	7 17	12 46	16 33	16 7	23 13	13 16	1 1	W25
T 26	23 24	4n38	3 52	23 35	1 53	16 35	1 36	9 54	0 57	12 8	1 5	22 32	0 29	3 19	0 40	14 21	1 50	7 17	12 46	16 33	16 7	23 15	13 17	1 1	T 26
F 27	23 22	10 48	4 35	23 15	1 51	16 12	1 33	10 3	0 58	12 4	1 5	22 32	0 29	3 20	0 40	14 21	1 50	7 17	12 46	16 33	16 8	23 17	13 18	1 1	F 27
S 28	23 20	16 32	5 2	22 54	1 48	15 48	1 29	10 11	1 0	12 1	1 5	22 33	0 29	3 20	0 40	14 21	1 49	7 17	12 46	16 34	16 9	23 18	13 19	1 1	S 28
S 29	23 16	21 28	5 10	22 30	1 44	15 25	1 26	10 20	1 1	11 57	1 5	22 33	0 28	3 20	0 40	14 21	1 49	7 17	12 46	16 35	16 10	23 20	13 19	1 1	S 29
M30	23n13	25n 7	4n59	22n 6	1n40	15n 1	1n22	10s29	1s 2	11n54	1n 5	22s34	0n28	3s20	0n40	14s21	1n49	7n17	12s46	16s36	16s11	23s22	13n20	1s 1	M30

Julian Day Number = 2318748.5, Delta T = 53.01 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°39'56, Lahiri = 18°46'57Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

JULY 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 38 4	9♋25'23	15♊10	0♌18	24♌31	24♎52	1♍53	10°R55	9♎58	14°R 1	28♉ 0	14°R 7	15♒34	22♏36	8♉21	T 1
W 2	18 42 1	10°22'36	29°59	1°55	25°32	25°13	2° 3	10♑50	9°59	14♏ 1	28° 1	14♒ 2	15°31	22°42	8°23	W 2
T 3	18 45 57	11°19'50	14♋40	3°30	26°33	25°35	2°13	10°46	9°59	14° 0	28° 2	13°58	15°27	22°49	8°25	T 3
F 4	18 49 54	12°17'03	29° 3	5° 2	27°34	25°58	2°23	10°42	10° 0	13°59	28° 3	13°56	15°24	22°56	8°28	F 4
S 5	18 53 51	13°14'16	13♌ 4	6°33	28°35	26°21	2°34	10°37	10° 1	13°59	28° 4	13°D55	15°21	23° 3	8°30	S 5
S 6	18 57 47	14°11'30	26°39	8° 1	29°35	26°44	2°44	10°33	10° 2	13°58	28° 5	13°56	15°18	23° 9	8°32	S 6
M 7	19 1 44	15° 8'43	9♍50	9°27	0♍35	27° 8	2°55	10°28	10° 3	13°57	28° 6	13°57	15°15	23°16	8°34	M 7
T 8	19 5 40	16° 5'56	22°38	10°51	1°35	27°32	3° 5	10°24	10° 4	13°57	28° 7	13°59	15°11	23°23	8°36	T 8
W 9	19 9 37	17° 3'10	5♎ 6	12°13	2°34	27°57	3°16	10°20	10° 5	13°56	28° 8	14° 0	15° 8	23°29	8°38	W 9
T 10	19 13 33	18° 0'23	17°18	13°32	3°33	28°22	3°27	10°15	10° 7	13°56	28° 9	14°R 1	15° 5	23°36	8°40	T 10
F 11	19 17 30	18°57'37	29°20	14°49	4°31	28°47	3°37	10°11	10° 8	13°55	28°10	14° 0	15° 2	23°43	8°42	F 11
S 12	19 21 26	19°54'51	11♏15	16° 4	5°29	29°13	3°48	10° 7	10° 9	13°55	28°10	13°59	14°59	23°50	8°44	S 12
S 13	19 25 23	20°52'05	23° 7	17°16	6°27	29°39	3°59	10° 2	10°10	13°55	28°11	13°56	14°56	23°56	8°46	S 13
M14	19 29 20	21°49'19	5♐ 2	18°26	7°24	0♏ 5	4°10	9°58	10°12	13°54	28°12	13°53	14°52	24° 3	8°47	M14
T 15	19 33 16	22°46'34	17° 2	19°33	8°20	0°32	4°21	9°54	10°13	13°54	28°13	13°50	14°49	24°10	8°49	T 15
W16	19 37 13	23°43'49	29° 9	20°37	9°17	0°59	4°33	9°49	10°15	13°53	28°14	13°46	14°46	24°16	8°51	W16
T 17	19 41 9	24°41'05	11♑27	21°39	10°12	1°27	4°44	9°45	10°16	13°53	28°15	13°44	14°43	24°23	8°52	T 17
F 18	19 45 6	25°38'21	23°56	22°38	11° 8	1°54	4°55	9°41	10°18	13°53	28°16	13°42	14°40	24°30	8°54	F 18
S 19	19 49 2	26°35'38	6♒38	23°34	12° 2	2°23	5° 6	9°37	10°19	13°53	28°16	13°41	14°37	24°37	8°55	S 19
S 20	19 52 59	27°32'55	19°33	24°27	12°56	2°51	5°18	9°33	10°21	13°53	28°17	13°D41	14°33	24°43	8°57	S 20
M21	19 56 56	28°30'14	2♓41	25°16	13°50	3°20	5°29	9°29	10°23	13°52	28°18	13°42	14°30	24°50	8°58	M21
T 22	20 0 52	29°27'33	16° 2	26° 2	14°43	3°49	5°41	9°25	10°25	13°52	28°19	13°43	14°27	24°57	9° 0	T 22
W23	20 4 49	0♈24'53	29°37	26°45	15°36	4°18	5°53	9°21	10°26	13°52	28°19	13°44	14°24	25° 4	9° 1	W23
T 24	20 8 45	1°22'14	13♉24	27°24	16°28	4°48	6° 4	9°17	10°28	13°52	28°20	13°45	14°21	25°10	9° 2	T 24
F 25	20 12 42	2°19'36	27°23	27°59	17°19	5°18	6°16	9°13	10°30	13°52	28°21	13°R45	14°17	25°17	9° 3	F 25
S 26	20 16 38	3°16'59	11♊34	28°30	18° 9	5°48	6°28	9° 9	10°32	13°D52	28°22	13°45	14°14	25°24	9° 4	S 26
S 27	20 20 35	4°14'24	25°53	28°57	18°59	6°19	6°40	9° 5	10°34	13°52	28°22	13°44	14°11	25°30	9° 5	S 27
M28	20 24 31	5°11'50	10♋19	29°20	19°49	6°50	6°51	9° 2	10°36	13°52	28°23	13°44	14° 8	25°37	9° 6	M28
T 29	20 28 28	6° 9'17	24°46	29°38	20°37	7°21	7° 3	8°58	10°38	13°52	28°23	13°43	14° 5	25°44	9° 7	T 29
W30	20 32 25	7° 6'45	9♌ 9	29°51	21°25	7°52	7°15	8°54	10°40	13°52	28°24	13°42	14° 2	25°51	9° 8	W30
T 31	20 36 21	8♌ 4'15	23♌25	29♌59	22♍12	8♏24	7♍27	8♑51	10♎43	13♏52	28♉25	13♒41	13♒58	25♏57	9♉ 9	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n 9	27n 4	4n27	21n41	1n35	14n37	1n18	10s38	1s 3	11n50	1n 5	22s34	0n28	3s21	0n40	14s20	1n49	7n17	12s46	16s38	16s12	23s23	13n21	1s 2	T 1
W 2	23 5	27 6	3 37	21 14	1 30	14 12	1 14	10 47	1 5	11 46	1 4	22 35	0 28	3 21	0 40	14 20	1 49	7 17	12 46	16 39	16 13	23 25	13 21	1 2	W 2
T 3	23 0	25 13	2 33	20 47	1 24	13 47	1 10	10 56	1 6	11 42	1 4	22 35	0 28	3 21	0 40	14 20	1 49	7 17	12 47	16 40	16 14	23 27	13 22	1 2	T 3
F 4	22 55	21 42	1 20	20 19	1 18	13 22	1 6	11 5	1 7	11 39	1 4	22 35	0 28	3 22	0 40	14 20	1 49	7 17	12 47	16 41	16 15	23 28	13 22	1 2	F 4
S 5	22 50	17 0	0 5	19 50	1 11	12 57	1 2	11 15	1 8	11 35	1 4	22 36	0 28	3 22	0 40	14 20	1 49	7 18	12 47	16 41	16 16	23 30	13 23	1 2	S 5
S 6	22 44	11 34	1s 9	19 20	1 4	12 32	0 57	11 24	1 9	11 31	1 4	22 36	0 28	3 23	0 40	14 20	1 49	7 18	12 47	16 41	16 17	23 32	13 24	1 2	S 6
M 7	22 38	5 47	2 17	18 50	0 56	12 6	0 53	11 34	1 10	11 27	1 4	22 37	0 28	3 23	0 40	14 20	1 49	7 18	12 47	16 40	16 18	23 33	13 24	1 2	M 7
T 8	22 31	0s 5	3 16	18 19	0 48	11 41	0 48	11 44	1 11	11 23	1 4	22 37	0 28	3 24	0 39	14 19	1 49	7 18	12 47	16 40	16 19	23 35	13 25	1 3	T 8
W 9	22 24	5 46	4 4	17 48	0 40	11 15	0 43	11 53	1 12	11 19	1 4	22 38	0 28	3 24	0 39	14 19	1 49	7 18	12 48	16 40	16 20	23 36	13 25	1 3	W 9
T 10	22 16	11 7	4 41	17 17	0 31	10 49	0 38	12 3	1 13	11 15	1 4	22 38	0 28	3 24	0 39	14 19	1 49	7 18	12 48	16 39	16 21	23 38	13 26	1 3	T 10
F 11	22 9	15 59	5 4	16 46	0 21	10 23	0 32	12 13	1 14	11 11	1 4	22 38	0 27	3 25	0 39	14 19	1 49	7 18	12 48	16 40	16 22	23 40	13 26	1 3	F 11
S 12	22 0	20 11	5 13	16 14	0 12	9 56	0 27	12 24	1 15	11 7	1 4	22 39	0 27	3 26	0 39	14 19	1 49	7 18	12 48	16 40	16 23	23 41	13 27	1 3	S 12
S 13	21 52	23 35	5 10	15 43	0 1	9 30	0 22	12 34	1 16	11 3	1 4	22 39	0 27	3 26	0 39	14 19	1 49	7 18	12 48	16 41	16 23	23 43	13 27	1 3	S 13
M14	21 43	25 59	4 53	15 12	0s 9	9 4	0 16	12 44	1 17	10 59	1 3	22 40	0 27	3 27	0 39	14 19	1 49	7 18	12 48	16 42	16 24	23 44	13 27	1 3	M14
T 15	21 34	27 13	4 23	14 40	0 20	8 37	0 10	12 54	1 18	10 55	1 3	22 40	0 27	3 27	0 39	14 19	1 49	7 18	12 49	16 43	16 25	23 46	13 28	1 4	T 15
W16	21 24	27 10	3 41	14 10	0 31	8 10	0 4	13 5	1 19	10 51	1 3	22 41	0 27	3 28	0 39	14 19	1 48	7 18	12 49	16 44	16 26	23 48	13 28	1 4	W16
T 17	21 14	25 47	2 48	13 39	0 42	7 44	0s 2	13 15	1 20	10 47	1 3	22 41	0 27	3 29	0 39	14 19	1 48	7 18	12 49	16 44	16 27	23 49	13 29	1 4	T 17
F 18	21 3	23 7	1 47	13 9	0 54	7 17	0 8	13 26	1 21	10 42	1 3	22 41	0 27	3 29	0 39	14 19	1 48	7 18	12 49	16 45	16 28	23 51	13 29	1 4	F 18
S 19	20 53	19 17	0 39	12 40	1 6	6 50	0 15	13 36	1 22	10 38	1 3	22 42	0 27	3 30	0 39	14 19	1 48	7 18	12 49	16 45	16 29	23 52	13 29	1 4	S 19
S 20	20 42	14 28	0n32	12 11	1 18	6 23	0 21	13 47	1 23	10 34	1 3	22 42	0 27	3 31	0 39	14 19	1 48	7 18	12 50	16 45	16 30	23 54	13 30	1 4	S 20
M21	20 30	8 56	1 43	11 43	1 30	5 57	0 28	13 58	1 24	10 30	1 3	22 43	0 26	3 31	0 39	14 19	1 48	7 18	12 50	16 45	16 31	23 55	13 30	1 5	M21
T 22	20 18	2 55	2 49	11 16	1 42	5 30	0 35	14 8	1 24	10 25	1 3	22 43	0 26	3 32	0 39	14 19	1 48	7 18	12 50	16 45	16 32	23 57	13 30	1 5	T 22
W23	20 6	3n19	3 47	10 49	1 55	5 3	0 42	14 19	1 25	10 21	1 3	22 43	0 26	3 33	0 39	14 19	1 48	7 18	12 50	16 44	16 33	23 58	13 30	1 5	W23
T 24	19 54	9 29	4 33	10 24	2 7	4 36	0 49	14 30	1 26	10 17	1 3	22 44	0 26	3 33	0 39	14 19	1 48	7 18	12 50	16 44	16 34	24 0	13 31	1 5	T 24
F 25	19 41	15 17	5 4	10 0	2 20	4 10	0 56	14 41	1 27	10 12	1 3	22 44	0 26	3 34	0 39	14 19	1 48	7 18	12 51	16 44	16 35	24 1	13 31	1 5	F 25
S 26	19 28	20 20	5 16	9 38	2 33	3 43	1 4	14 52	1 28	10 8	1 3	22 44	0 26	3 35	0 39	14 19	1 48	7 17	12 51	16 44	16 36	24 3	13 31	1 5	S 26
S 27	19 14	24 16	5 9	9 17	2 45	3 16	1 11	15 2	1 28	10 3	1 3	22 45	0 26	3 36	0 39	14 19	1 48	7 17	12 51	16 44	16 36	24 4	13 31	1 5	S 27
M28	19 0	26 42	4 43	8 57	2 58	2 50	1 19	15 13	1 29	9 59	1 3	22 45	0 26	3 37	0 39	14 19	1 48	7 17	12 51	16 44	16 37	24 6	13 31	1 6	M28
T 29	18 46	27 22	3 59	8 40	3 10	2 24	1 27	15 24	1 30	9 54	1 3	22 46	0 26	3 38	0 39	14 19	1 48	7 17	12 51	16 45	16 38	24 7	13 32	1 6	T 29
W30	18 32	26 10	3 0	8 24	3 22	1 57	1 35	15 35	1 30	9 50	1 3	22 46	0 26	3 38	0 39	14 19	1 48	7 17	12 52	16 45	16 39	24 9	13 32	1 6	W30
T 31	18n17	23n15	1n50	8n10	3s34	1n31	1s43	15s46	1s31	9n45	1n 3	22s46	0n25	3s39	0n39	14s19	1n48	7n17	12s52	16s45	16s40	24s10	13n32	1s 6	T 31

Julian Day Number = 2318778.5, Delta T = 52.95 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'00, Lahiri = 18°47'01Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

AUGUST 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 40 18	9♌ 1'45	7♌29	0°R 2	22♍58	8♏56	7♍39	8°R47	10♎45	13♏53	28♉25	13°D41	13♒55	26♏ 4	9♉10	F 1
S 2	20 44 14	9°59'17	21°15	29♌59	23°44	9°28	7°52	8♑44	10°47	13°53	28°26	13♒41	13°52	26°11	9°10	S 2
S 3	20 48 11	10°56'49	4♍42	29°52	24°28	10° 0	8° 4	8°40	10°49	13°53	28°26	13°41	13°49	26°17	9°11	S 3
M 4	20 52 7	11°54'23	17°49	29°39	25°12	10°33	8°16	8°37	10°52	13°53	28°27	13°42	13°46	26°24	9°12	M 4
T 5	20 56 4	12°51'57	0♎36	29°21	25°55	11° 6	8°28	8°34	10°54	13°54	28°27	13°42	13°43	26°31	9°12	T 5
W 6	21 0 0	13°49'32	13° 5	28°57	26°36	11°39	8°41	8°30	10°56	13°54	28°28	13°R42	13°39	26°38	9°13	W 6
T 7	21 3 57	14°47'09	25°19	28°28	27°17	12°13	8°53	8°27	10°59	13°54	28°28	13°42	13°36	26°44	9°13	T 7
F 8	21 7 54	15°44'46	7♏21	27°55	27°57	12°47	9° 5	8°24	11° 1	13°55	28°29	13°42	13°33	26°51	9°13	F 8
S 9	21 11 50	16°42'24	19°17	27°16	28°35	13°20	9°18	8°21	11° 4	13°55	28°29	13°D42	13°30	26°58	9°14	S 9
S 10	21 15 47	17°40'04	1♐10	26°34	29°12	13°55	9°30	8°18	11° 6	13°56	28°29	13°42	13°27	27° 4	9°14	S 10
M11	21 19 43	18°37'44	13° 5	25°48	29°49	14°29	9°43	8°16	11° 9	13°56	28°30	13°42	13°23	27°11	9°14	M11
T 12	21 23 40	19°35'26	25° 7	24°59	0♎24	15° 4	9°55	8°13	11°12	13°57	28°30	13°43	13°20	27°18	9°14	T 12
W13	21 27 36	20°33'08	7♑20	24° 8	0°57	15°38	10° 8	8°10	11°14	13°57	28°30	13°43	13°17	27°25	9°R14	W13
T 14	21 31 33	21°30'52	19°45	23°16	1°30	16°13	10°20	8° 7	11°17	13°58	28°31	13°44	13°14	27°31	9°14	T 14
F 15	21 35 29	22°28'37	2♒27	22°23	2° 0	16°49	10°33	8° 5	11°20	13°59	28°31	13°44	13°11	27°38	9°14	F 15
S 16	21 39 26	23°26'24	15°26	21°32	2°30	17°24	10°46	8° 2	11°23	13°59	28°31	13°R45	13° 8	27°45	9°14	S 16
S 17	21 43 23	24°24'12	28°43	20°43	2°58	18° 0	10°58	8° 0	11°26	14° 0	28°32	13°44	13° 4	27°52	9°14	S 17
M18	21 47 19	25°22'01	12♓16	19°57	3°24	18°36	11°11	7°58	11°28	14° 1	28°32	13°43	13° 1	27°58	9°14	M18
T 19	21 51 16	26°19'51	26° 3	19°14	3°49	19°12	11°24	7°56	11°31	14° 2	28°32	13°42	12°58	28° 5	9°13	T 19
W20	21 55 12	27°17'44	10♈ 2	18°37	4°12	19°48	11°36	7°53	11°34	14° 2	28°32	13°40	12°55	28°12	9°13	W20
T 21	21 59 9	28°15'38	24°10	18° 6	4°33	20°24	11°49	7°51	11°37	14° 3	28°32	13°39	12°52	28°18	9°12	T 21
F 22	22 3 5	29°13'34	8♉22	17°41	4°53	21° 1	12° 2	7°50	11°40	14° 4	28°33	13°37	12°48	28°25	9°12	F 22
S 23	22 7 2	0♍11'32	22°37	17°24	5°11	21°38	12°15	7°48	11°43	14° 5	28°33	13°36	12°45	28°32	9°11	S 23
S 24	22 10 58	1° 9'32	6♊50	17°14	5°27	22°14	12°28	7°46	11°46	14° 6	28°33	13°D36	12°42	28°39	9°11	S 24
M25	22 14 55	2° 7'34	21° 1	17°D12	5°40	22°52	12°40	7°44	11°49	14° 7	28°33	13°37	12°39	28°45	9°10	M25
T 26	22 18 52	3° 5'38	5♋ 5	17°19	5°52	23°29	12°53	7°43	11°53	14° 8	28°33	13°38	12°36	28°52	9° 9	T 26
W27	22 22 48	4° 3'44	19° 3	17°34	6° 2	24° 6	13° 6	7°41	11°56	14° 9	28°33	13°40	12°33	28°59	9° 9	W27
T 28	22 26 45	5° 1'51	2♌51	17°58	6°10	24°44	13°19	7°40	11°59	14°10	28°R33	13°41	12°29	29° 5	9° 8	T 28
F 29	22 30 41	6° 0'01	16°29	18°29	6°15	25°22	13°32	7°38	12° 2	14°11	28°33	13°R41	12°26	29°12	9° 7	F 29
S 30	22 34 38	6°58'12	29°53	19°10	6°19	26° 0	13°45	7°37	12° 5	14°12	28°33	13°40	12°23	29°19	9° 6	S 30
S 31	22 38 34	7♍56'25	13♍ 3	19♌58	6°R20	26♏38	13♍58	7♑36	12♎ 9	14♏13	28♉33	13♒38	12♒20	29♏26	9♉ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18n 2	19n 0	0n34	7n58	3s45	1n 5	1s51	15s57	1s32	9n41	1n 3	22s47	0n25	3s40	0n39	14s20	1n48	7n17	12s52	16s45	16s41	24s12	13n32	1s 6
S 2	17 47	13 47	0s42	7 49	3 56	0 40	2 0	16 8	1 32	9 36	1 3	22 47	0 25	3 41	0 39	14 20	1 47	7 17	12 52	16 45	16 42	24 13	13 32	1 6
S 3	17 31	8 2	1 54	7 42	4 6	0 14	2 9	16 19	1 33	9 32	1 2	22 47	0 25	3 42	0 38	14 20	1 47	7 17	12 53	16 45	16 43	24 15	13 32	1 7
M 4	17 15	2 6	2 58	7 38	4 15	0s11	2 17	16 30	1 34	9 27	1 2	22 48	0 25	3 43	0 38	14 20	1 47	7 17	12 53	16 45	16 44	24 16	13 32	1 7
T 5	16 59	3s47	3 52	7 37	4 23	0 36	2 26	16 41	1 34	9 22	1 2	22 48	0 25	3 44	0 38	14 20	1 47	7 16	12 53	16 45	16 45	24 17	13 32	1 7
W 6	16 43	9 22	4 33	7 38	4 30	1 1	2 35	16 52	1 35	9 18	1 2	22 48	0 25	3 45	0 38	14 20	1 47	7 16	12 53	16 45	16 46	24 19	13 32	1 7
T 7	16 26	14 28	5 1	7 42	4 36	1 26	2 45	17 3	1 35	9 13	1 2	22 48	0 25	3 46	0 38	14 20	1 47	7 16	12 53	16 45	16 47	24 20	13 32	1 7
F 8	16 9	18 57	5 15	7 49	4 41	1 50	2 54	17 13	1 36	9 8	1 2	22 49	0 25	3 47	0 38	14 21	1 47	7 16	12 54	16 45	16 47	24 22	13 32	1 7
S 9	15 52	22 38	5 15	7 59	4 44	2 14	3 3	17 24	1 36	9 4	1 2	22 49	0 24	3 48	0 38	14 21	1 47	7 16	12 54	16 45	16 48	24 23	13 32	1 7
S 10	15 34	25 22	5 2	8 12	4 46	2 38	3 13	17 35	1 37	8 59	1 2	22 49	0 24	3 49	0 38	14 21	1 47	7 16	12 54	16 45	16 49	24 24	13 32	1 8
M11	15 16	26 59	4 36	8 28	4 46	3 1	3 23	17 46	1 37	8 54	1 2	22 50	0 24	3 50	0 38	14 21	1 47	7 16	12 54	16 45	16 50	24 26	13 32	1 8
T 12	14 58	27 22	3 58	8 46	4 44	3 24	3 33	17 57	1 38	8 50	1 2	22 50	0 24	3 51	0 38	14 21	1 47	7 15	12 55	16 45	16 51	24 27	13 32	1 8
W13	14 40	26 25	3 8	9 6	4 40	3 47	3 43	18 7	1 38	8 45	1 2	22 50	0 24	3 52	0 38	14 22	1 47	7 15	12 55	16 44	16 52	24 29	13 32	1 8
T 14	14 22	24 9	2 9	9 28	4 34	4 9	3 53	18 18	1 39	8 40	1 2	22 51	0 24	3 53	0 38	14 22	1 47	7 15	12 55	16 44	16 53	24 30	13 31	1 8
F 15	14 3	20 40	1 2	9 52	4 27	4 31	4 3	18 29	1 39	8 35	1 2	22 51	0 24	3 54	0 38	14 22	1 47	7 15	12 55	16 44	16 54	24 31	13 31	1 8
S 16	13 44	16 5	0n 9	10 18	4 17	4 52	4 13	18 39	1 40	8 30	1 2	22 51	0 24	3 56	0 38	14 22	1 47	7 15	12 56	16 44	16 55	24 33	13 31	1 9
S 17	13 25	10 40	1 22	10 44	4 6	5 12	4 23	18 50	1 40	8 26	1 2	22 51	0 24	3 57	0 38	14 23	1 47	7 15	12 56	16 44	16 56	24 34	13 31	1 9
M18	13 6	4 39	2 31	11 10	3 53	5 33	4 34	19 0	1 40	8 21	1 2	22 52	0 23	3 58	0 38	14 23	1 46	7 14	12 56	16 44	16 56	24 35	13 31	1 9
T 19	12 46	1n41	3 33	11 37	3 39	5 52	4 44	19 10	1 41	8 16	1 2	22 52	0 23	3 59	0 38	14 23	1 46	7 14	12 56	16 45	16 57	24 37	13 30	1 9
W20	12 26	8 1	4 23	12 3	3 23	6 11	4 55	19 21	1 41	8 11	1 2	22 52	0 23	4 0	0 38	14 24	1 46	7 14	12 57	16 45	16 58	24 38	13 30	1 9
T 21	12 6	14 0	4 57	12 29	3 7	6 29	5 6	19 31	1 42	8 6	1 2	22 52	0 23	4 1	0 38	14 24	1 46	7 14	12 57	16 46	16 59	24 39	13 30	1 9
F 22	11 46	19 16	5 14	12 53	2 49	6 47	5 16	19 41	1 42	8 1	1 2	22 53	0 23	4 3	0 38	14 24	1 46	7 14	12 57	16 46	17 0	24 41	13 29	1 10
S 23	11 26	23 29	5 12	13 15	2 31	7 4	5 27	19 51	1 42	7 56	1 2	22 53	0 23	4 4	0 38	14 24	1 46	7 13	12 57	16 46	17 1	24 42	13 29	1 10
S 24	11 5	26 15	4 50	13 36	2 13	7 20	5 38	20 1	1 43	7 51	1 2	22 53	0 23	4 5	0 38	14 25	1 46	7 13	12 57	16 46	17 2	24 43	13 29	1 10
M25	10 44	27 21	4 11	13 54	1 54	7 35	5 49	20 11	1 43	7 46	1 2	22 53	0 23	4 6	0 38	14 25	1 46	7 13	12 58	16 46	17 3	24 45	13 28	1 10
T 26	10 23	26 40	3 17	14 10	1 36	7 50	5 59	20 21	1 43	7 42	1 2	22 53	0 22	4 8	0 38	14 25	1 46	7 13	12 58	16 46	17 4	24 46	13 28	1 10
W27	10 2	24 18	2 12	14 22	1 17	8 3	6 10	20 31	1 44	7 37	1 2	22 54	0 22	4 9	0 38	14 26	1 46	7 13	12 58	16 46	17 5	24 47	13 28	1 10
T 28	9 41	20 31	0 59	14 32	0 59	8 16	6 20	20 40	1 44	7 32	1 2	22 54	0 22	4 10	0 38	14 26	1 46	7 12	12 58	16 45	17 5	24 48	13 27	1 10
F 29	9 20	15 41	0s15	14 39	0 42	8 28	6 31	20 50	1 44	7 27	1 2	22 54	0 22	4 11	0 38	14 27	1 46	7 12	12 59	16 45	17 6	24 50	13 27	1 11
S 30	8 58	10 10	1 28	14 43	0 25	8 39	6 41	20 59	1 44	7 22	1 2	22 54	0 22	4 13	0 38	14 27	1 46	7 12	12 59	16 45	17 7	24 51	13 26	1 11
S 31	8n37	4n18	2s34	14n43	0s 9	8s48	6s51	21s 8	1s45	7n17	1n 2	22s54	0n22	4s14	0n38	14s27	1n46	7n12	12s59	16s46	17s 8	24s52	13n26	1s11

Julian Day Number = 2318809.5, Delta T = 52.89 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'05, Lahiri = 18°47'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

SEPTEMBER 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 42 31	8♍54'40	25♍58	20♌53	6°R19	27♏17	14♍11	7°R35	12♎12	14♏14	28°R33	13°R35	12♒17	29♏32	9°R 4	M 1
T 2	22 46 27	9°52'56	8♎38	21°56	6♎15	27°55	14°24	7♋34	12°15	14°15	28♉33	13♒31	12°14	29°39	9♉ 3	T 2
W 3	22 50 24	10°51'14	21° 3	23° 6	6° 9	28°34	14°37	7°33	12°19	14°17	28°33	13°26	12°10	29°46	9° 1	W 3
T 4	22 54 20	11°49'34	3♏15	24°22	6° 1	29°13	14°50	7°32	12°22	14°18	28°32	13°22	12° 7	29°52	9° 0	T 4
F 5	22 58 17	12°47'55	15°17	25°44	5°50	29°52	15° 3	7°32	12°25	14°19	28°32	13°18	12° 4	29°59	8°59	F 5
S 6	23 2 14	13°46'18	27°11	27°11	5°37	0♐31	15°16	7°31	12°29	14°20	28°32	13°16	12° 1	0♐ 6	8°57	S 6
S 7	23 6 10	14°44'43	9♐ 4	28°42	5°21	1°10	15°29	7°31	12°32	14°22	28°32	13°14	11°58	0°13	8°56	S 7
M 8	23 10 7	15°43'09	20°58	0♑18	5° 3	1°50	15°42	7°30	12°36	14°23	28°32	13°D14	11°54	0°19	8°55	M 8
T 9	23 14 3	16°41'37	2♋58	1°57	4°43	2°29	15°55	7°30	12°39	14°25	28°31	13°15	11°51	0°26	8°53	T 9
W10	23 18 0	17°40'07	15°11	3°39	4°21	3° 9	16° 8	7°30	12°43	14°26	28°31	13°17	11°48	0°33	8°52	W10
T 11	23 21 56	18°38'38	27°40	5°24	3°56	3°49	16°21	7°D30	12°46	14°27	28°31	13°18	11°45	0°39	8°50	T 11
F 12	23 25 53	19°37'11	10♒28	7°10	3°30	4°29	16°34	7°30	12°50	14°29	28°31	13°R19	11°42	0°46	8°48	F 12
S 13	23 29 50	20°35'45	23°39	8°58	3° 1	5° 9	16°47	7°30	12°53	14°30	28°30	13°19	11°39	0°53	8°46	S 13
S 14	23 33 46	21°34'22	7♓13	10°48	2°31	5°49	17° 0	7°30	12°57	14°32	28°30	13°17	11°35	1° 0	8°45	S 14
M15	23 37 43	22°33'00	21° 9	12°38	1°59	6°30	17°13	7°31	13° 0	14°33	28°30	13°13	11°32	1° 6	8°43	M15
T 16	23 41 39	23°31'40	5♈24	14°29	1°26	7°10	17°26	7°31	13° 4	14°35	28°29	13° 7	11°29	1°13	8°41	T 16
W17	23 45 36	24°30'22	19°52	16°19	0°52	7°51	17°38	7°32	13° 8	14°36	28°29	13° 1	11°26	1°20	8°39	W17
T 18	23 49 32	25°29'07	4♉27	18°10	0°17	8°32	17°51	7°32	13°11	14°38	28°28	12°55	11°23	1°26	8°37	T 18
F 19	23 53 29	26°27'53	19° 2	20° 1	29♍40	9°13	18° 4	7°33	13°15	14°40	28°28	12°49	11°20	1°33	8°35	F 19
S 20	23 57 25	27°26'42	3♊31	21°52	29° 4	9°54	18°17	7°34	13°19	14°41	28°27	12°45	11°16	1°40	8°33	S 20
S 21	0 1 22	28°25'34	17°50	23°42	28°27	10°35	18°30	7°35	13°22	14°43	28°27	12°43	11°13	1°47	8°31	S 21
M22	0 5 18	29°24'27	1♋56	25°32	27°50	11°16	18°43	7°36	13°26	14°45	28°27	12°D42	11°10	1°53	8°29	M22
T 23	0 9 15	0♎23'23	15°49	27°21	27°13	11°58	18°56	7°37	13°30	14°46	28°26	12°43	11° 7	2° 0	8°27	T 23
W24	0 13 12	1°22'22	29°27	29° 9	26°37	12°39	19° 9	7°38	13°33	14°48	28°25	12°44	11° 4	2° 7	8°24	W24
T 25	0 17 8	2°21'22	12♌52	0♎57	26° 2	13°21	19°22	7°39	13°37	14°50	28°25	12°R45	11° 0	2°13	8°22	T 25
F 26	0 21 5	3°20'25	26° 5	2°44	25°27	14° 3	19°34	7°41	13°41	14°52	28°24	12°44	10°57	2°20	8°20	F 26
S 27	0 25 1	4°19'30	9♍ 6	4°30	24°53	14°45	19°47	7°42	13°45	14°53	28°24	12°41	10°54	2°27	8°17	S 27
S 28	0 28 58	5°18'37	21°56	6°15	24°21	15°27	20° 0	7°44	13°48	14°55	28°23	12°35	10°51	2°34	8°15	S 28
M29	0 32 54	6°17'46	4♎35	7°59	23°50	16° 9	20°13	7°46	13°52	14°57	28°23	12°27	10°48	2°40	8°12	M29
T 30	0 36 51	7♎16'57	17♎ 2	9♎43	23♍21	16♐51	20♍25	7♋47	13♎56	14♏59	28♉22	12♒17	10♒45	2♐47	8♉10	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n15	1s38	3s31	14n40	0n 6	8s57	7s 1	21s18	1s45	7n12	1n 2	22s55	0n22	4s15	0n38	14s28	1n46	7n11	12s59	16s47	17s 9	24s53	13n25	1s11
T 2	7 53	7 22	4 17	14 33	0 21	9 5	7 11	21 27	1 45	7 7	1 2	22 55	0 22	4 17	0 38	14 28	1 46	7 11	13 0	16 48	17 10	24 55	13 25	1 11
W 3	7 31	12 41	4 49	14 23	0 34	9 11	7 20	21 35	1 45	7 2	1 2	22 55	0 22	4 18	0 38	14 29	1 46	7 11	13 0	16 49	17 11	24 56	13 24	1 11
T 4	7 8	17 26	5 8	14 9	0 46	9 16	7 30	21 44	1 45	6 57	1 2	22 55	0 21	4 19	0 38	14 29	1 46	7 11	13 0	16 51	17 12	24 57	13 24	1 12
F 5	6 46	21 25	5 12	13 52	0 57	9 20	7 38	21 53	1 46	6 52	1 2	22 55	0 21	4 21	0 38	14 29	1 45	7 10	13 0	16 52	17 13	24 58	13 23	1 12
S 6	6 24	24 29	5 3	13 32	1 7	9 22	7 47	22 1	1 46	6 47	1 2	22 55	0 21	4 22	0 38	14 30	1 45	7 10	13 1	16 52	17 14	24 59	13 23	1 12
S 7	6 1	26 29	4 41	13 8	1 16	9 23	7 55	22 10	1 46	6 42	1 2	22 55	0 21	4 23	0 38	14 30	1 45	7 10	13 1	16 53	17 14	25 1	13 22	1 12
M 8	5 39	27 18	4 7	12 42	1 24	9 23	8 2	22 18	1 46	6 37	1 3	22 56	0 21	4 25	0 38	14 31	1 45	7 10	13 1	16 53	17 15	25 2	13 21	1 12
T 9	5 16	26 50	3 22	12 13	1 31	9 21	8 9	22 26	1 46	6 32	1 3	22 56	0 21	4 26	0 37	14 31	1 45	7 9	13 1	16 53	17 16	25 3	13 21	1 12
W10	4 53	25 4	2 27	11 41	1 36	9 18	8 15	22 34	1 46	6 27	1 3	22 56	0 21	4 27	0 37	14 32	1 45	7 9	13 1	16 52	17 17	25 4	13 20	1 12
T 11	4 30	22 3	1 24	11 7	1 41	9 13	8 21	22 42	1 47	6 22	1 3	22 56	0 21	4 29	0 37	14 32	1 45	7 9	13 2	16 52	17 18	25 5	13 20	1 13
F 12	4 7	17 54	0 16	10 31	1 45	9 7	8 25	22 50	1 47	6 17	1 3	22 56	0 21	4 30	0 37	14 33	1 45	7 8	13 2	16 51	17 19	25 6	13 19	1 13
S 13	3 44	12 47	0n56	9 53	1 47	8 59	8 30	22 57	1 47	6 12	1 3	22 56	0 20	4 32	0 37	14 33	1 45	7 8	13 2	16 51	17 20	25 8	13 18	1 13
S 14	3 21	6 56	2 6	9 13	1 49	8 50	8 33	23 4	1 47	6 7	1 3	22 56	0 20	4 33	0 37	14 33	1 45	7 8	13 2	16 52	17 21	25 9	13 17	1 13
M15	2 58	0 36	3 11	8 32	1 50	8 40	8 35	23 12	1 47	6 2	1 3	22 56	0 20	4 34	0 37	14 34	1 45	7 8	13 3	16 53	17 21	25 10	13 17	1 13
T 16	2 35	5n53	4 5	7 49	1 51	8 28	8 37	23 19	1 47	5 57	1 3	22 56	0 20	4 36	0 37	14 34	1 45	7 7	13 3	16 55	17 22	25 11	13 16	1 13
W17	2 11	12 10	4 44	7 6	1 50	8 15	8 38	23 25	1 47	5 52	1 3	22 57	0 20	4 37	0 37	14 35	1 45	7 7	13 3	16 57	17 23	25 12	13 15	1 14
T 18	1 48	17 49	5 5	6 21	1 49	8 1	8 38	23 32	1 47	5 47	1 3	22 57	0 20	4 39	0 37	14 35	1 45	7 7	13 3	16 58	17 24	25 13	13 14	1 14
F 19	1 25	22 25	5 7	5 36	1 47	7 46	8 36	23 38	1 47	5 41	1 3	22 57	0 20	4 40	0 37	14 36	1 45	7 6	13 3	17 0	17 25	25 14	13 14	1 14
S 20	1 1	25 37	4 49	4 50	1 45	7 29	8 34	23 45	1 47	5 36	1 3	22 57	0 20	4 42	0 37	14 37	1 45	7 6	13 4	17 1	17 26	25 16	13 13	1 14
S 21	0 38	27 7	4 13	4 4	1 42	7 12	8 31	23 51	1 47	5 31	1 3	22 57	0 19	4 43	0 37	14 37	1 45	7 6	13 4	17 2	17 27	25 17	13 12	1 14
M22	0 14	26 50	3 22	3 17	1 39	6 54	8 27	23 57	1 47	5 26	1 3	22 57	0 19	4 44	0 37	14 38	1 45	7 5	13 4	17 2	17 28	25 18	13 11	1 14
T 23	0s 9	24 52	2 20	2 31	1 35	6 35	8 23	24 2	1 47	5 21	1 3	22 57	0 19	4 46	0 37	14 38	1 45	7 5	13 4	17 2	17 28	25 19	13 10	1 14
W24	0 33	21 28	1 11	1 44	1 31	6 15	8 17	24 8	1 47	5 16	1 3	22 57	0 19	4 47	0 37	14 39	1 45	7 5	13 4	17 1	17 29	25 20	13 10	1 15
T 25	0 56	16 58	0s 1	0 57	1 26	5 55	8 10	24 13	1 47	5 12	1 3	22 57	0 19	4 49	0 37	14 39	1 45	7 5	13 5	17 1	17 30	25 21	13 9	1 15
F 26	1 20	11 44	1 11	0 10	1 21	5 34	8 3	24 18	1 47	5 7	1 3	22 57	0 19	4 50	0 37	14 40	1 45	7 4	13 5	17 1	17 31	25 22	13 8	1 15
S 27	1 43	6 4	2 17	0s37	1 16	5 13	7 55	24 23	1 47	5 2	1 4	22 57	0 19	4 52	0 37	14 40	1 44	7 4	13 5	17 2	17 32	25 23	13 7	1 15
S 28	2 7	0 14	3 14	1 24	1 11	4 53	7 46	24 28	1 47	4 57	1 4	22 57	0 19	4 53	0 37	14 41	1 44	7 4	13 5	17 4	17 33	25 24	13 6	1 15
M29	2 30	5s31	4 1	2 11	1 5	4 32	7 36	24 32	1 47	4 52	1 4	22 57	0 19	4 55	0 37	14 41	1 44	7 3	13 5	17 6	17 34	25 25	13 5	1 15
T 30	2s54	10s57	4s36	2s57	0n59	4s11	7s26	24s36	1s47	4n47	1n 4	22s57	0n19	4s56	0n37	14s42	1n44	7n 3	13s 6	17s 9	17s35	25s26	13n 4	1s15

Julian Day Number = 2318840.5, Delta T = 52.82 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'09, Lahiri = 18°47'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

OCTOBER 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 40 47	8♎16'11	29♎19	11♎26	22°R54	17♐33	20♍38	7♑49	14♎ 0	15♏ 1	28°R21	12°R 7	10♒41	2♐54	8°R 7	W 1
T 2	0 44 44	9°15'26	11♏26	13° 8	22♍29	18°16	20°51	7°51	14° 3	15° 3	28♉21	11♒56	10°38	3° 0	8♉ 5	T 2
F 3	0 48 41	10°14'43	23°24	14°49	22° 6	18°58	21° 3	7°53	14° 7	15° 5	28°20	11°46	10°35	3° 7	8° 2	F 3
S 4	0 52 37	11°14'03	5♐16	16°30	21°45	19°41	21°16	7°55	14°11	15° 7	28°19	11°38	10°32	3°14	8° 0	S 4
S 5	0 56 34	12°13'24	17° 6	18°10	21°26	20°24	21°29	7°58	14°15	15° 9	28°18	11°33	10°29	3°21	7°57	S 5
M 6	1 0 30	13°12'47	28°58	19°49	21°10	21° 7	21°41	8° 0	14°18	15°11	28°18	11°29	10°25	3°27	7°54	M 6
T 7	1 4 27	14°12'11	10♑55	21°27	20°56	21°50	21°54	8° 3	14°22	15°13	28°17	11°D28	10°22	3°34	7°52	T 7
W 8	1 8 23	15°11'38	23° 5	23° 4	20°45	22°33	22° 6	8° 5	14°26	15°15	28°16	11°28	10°19	3°41	7°49	W 8
T 9	1 12 20	16°11'06	5♒30	24°41	20°36	23°16	22°18	8° 8	14°30	15°17	28°15	11°R29	10°16	3°47	7°46	T 9
F 10	1 16 16	17°10'36	18°18	26°18	20°29	23°59	22°31	8°10	14°34	15°19	28°15	11°29	10°13	3°54	7°43	F 10
S 11	1 20 13	18°10'08	1♓31	27°53	20°25	24°42	22°43	8°13	14°37	15°21	28°14	11°27	10°10	4° 1	7°40	S 11
S 12	1 24 10	19° 9'41	15°12	29°28	20°D23	25°26	22°55	8°16	14°41	15°23	28°13	11°23	10° 6	4° 8	7°38	S 12
M13	1 28 6	20° 9'17	29°20	1♏ 2	20°24	26° 9	23° 8	8°19	14°45	15°25	28°12	11°16	10° 3	4°14	7°35	M13
T 14	1 32 3	21° 8'54	13♈54	2°36	20°27	26°53	23°20	8°22	14°49	15°27	28°11	11° 7	10° 0	4°21	7°32	T 14
W15	1 35 59	22° 8'33	28°46	4° 9	20°32	27°37	23°32	8°25	14°52	15°29	28°10	10°57	9°57	4°28	7°29	W15
T 16	1 39 56	23° 8'15	13♉47	5°41	20°40	28°21	23°44	8°29	14°56	15°31	28° 9	10°46	9°54	4°34	7°26	T 16
F 17	1 43 52	24° 7'58	28°48	7°13	20°49	29° 4	23°56	8°32	15° 0	15°33	28° 9	10°36	9°51	4°41	7°23	F 17
S 18	1 47 49	25° 7'44	13♊39	8°44	21° 2	29°48	24° 8	8°35	15° 4	15°35	28° 8	10°28	9°47	4°48	7°20	S 18
S 19	1 51 45	26° 7'32	28°14	10°15	21°16	0♑32	24°20	8°39	15° 7	15°37	28° 7	10°23	9°44	4°55	7°17	S 19
M20	1 55 42	27° 7'22	12♋28	11°45	21°32	1°16	24°32	8°43	15°11	15°40	28° 6	10°21	9°41	5° 1	7°14	M20
T 21	1 59 39	28° 7'15	26°21	13°15	21°50	2° 1	24°44	8°46	15°15	15°42	28° 5	10°D20	9°38	5° 8	7°11	T 21
W22	2 3 35	29° 7'10	9♌52	14°44	22°11	2°45	24°56	8°50	15°19	15°44	28° 4	10°R20	9°35	5°15	7° 8	W22
T 23	2 7 32	0♏ 7'07	23° 5	16°12	22°33	3°29	25° 8	8°54	15°22	15°46	28° 3	10°20	9°31	5°21	7° 5	T 23
F 24	2 11 28	1° 7'06	6♍ 2	17°40	22°57	4°14	25°19	8°58	15°26	15°48	28° 2	10°18	9°28	5°28	7° 2	F 24
S 25	2 15 25	2° 7'07	18°45	19° 7	23°23	4°58	25°31	9° 2	15°30	15°50	28° 1	10°13	9°25	5°35	6°59	S 25
S 26	2 19 21	3° 7'10	1♎17	20°34	23°50	5°43	25°42	9° 6	15°33	15°53	28° 0	10° 5	9°22	5°42	6°56	S 26
M27	2 23 18	4° 7'16	13°39	22° 0	24°19	6°27	25°54	9°10	15°37	15°55	27°59	9°54	9°19	5°48	6°53	M27
T 28	2 27 14	5° 7'23	25°53	23°25	24°50	7°12	26° 5	9°14	15°41	15°57	27°58	9°41	9°16	5°55	6°49	T 28
W29	2 31 11	6° 7'32	7♏59	24°50	25°22	7°57	26°17	9°19	15°44	15°59	27°57	9°26	9°12	6° 2	6°46	W29
T 30	2 35 8	7° 7'43	19°59	26°14	25°56	8°41	26°28	9°23	15°48	16° 2	27°56	9°11	9° 9	6° 8	6°43	T 30
F 31	2 39 4	8♏ 7'56	1♐53	27♏37	26♍31	9♑26	26♍39	9♑28	15♎51	16♏ 4	27♉55	8♒57	9♒ 6	6♐15	6♉40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3s17	15s52	4s57	3s43	0n53	3s50	7s15	24s40	1s47	4n42	1n 4	22s57	0n18	4s58	0n37	14s43	1n44	7n 3	13s 6	17s12	17s35	25s27	13n 3	1s16
T 2	3 41	20 6	5 4	4 28	0 47	3 30	7 3	24 44	1 46	4 37	1 4	22 57	0 18	4 59	0 37	14 43	1 44	7 2	13 6	17 15	17 36	25 28	13 2	1 16
F 3	4 4	23 28	4 58	5 14	0 41	3 10	6 52	24 48	1 46	4 32	1 4	22 57	0 18	5 0	0 37	14 44	1 44	7 2	13 6	17 18	17 37	25 29	13 1	1 16
S 4	4 27	25 48	4 39	5 58	0 34	2 50	6 39	24 51	1 46	4 27	1 4	22 57	0 18	5 2	0 37	14 44	1 44	7 2	13 6	17 20	17 38	25 30	13 0	1 16
S 5	4 50	26 59	4 8	6 42	0 28	2 31	6 27	24 54	1 46	4 22	1 4	22 57	0 18	5 3	0 37	14 45	1 44	7 1	13 7	17 21	17 39	25 31	12 59	1 16
M 6	5 14	26 55	3 26	7 26	0 21	2 13	6 14	24 57	1 46	4 17	1 4	22 57	0 18	5 5	0 37	14 46	1 44	7 1	13 7	17 22	17 40	25 32	12 58	1 16
T 7	5 37	25 37	2 35	8 9	0 14	1 56	6 1	25 0	1 46	4 12	1 4	22 57	0 18	5 6	0 37	14 46	1 44	7 1	13 7	17 23	17 41	25 33	12 57	1 16
W 8	6 0	23 6	1 36	8 52	0 8	1 39	5 47	25 2	1 46	4 8	1 4	22 57	0 18	5 8	0 37	14 47	1 44	7 0	13 7	17 23	17 41	25 34	12 56	1 16
T 9	6 23	19 27	0 32	9 34	0 1	1 23	5 34	25 4	1 45	4 3	1 5	22 57	0 18	5 9	0 37	14 47	1 44	7 0	13 7	17 22	17 42	25 35	12 55	1 17
F 10	6 46	14 48	0n36	10 16	0s 6	1 8	5 21	25 6	1 45	3 58	1 5	22 57	0 17	5 11	0 37	14 48	1 44	7 0	13 7	17 22	17 43	25 36	12 54	1 17
S 11	7 8	9 20	1 44	10 57	0 13	0 54	5 7	25 8	1 45	3 53	1 5	22 57	0 17	5 12	0 37	14 49	1 44	7 0	13 7	17 23	17 44	25 37	12 53	1 17
S 12	7 31	3 15	2 49	11 37	0 20	0 41	4 53	25 9	1 45	3 48	1 5	22 57	0 17	5 14	0 37	14 49	1 44	6 59	13 8	17 24	17 45	25 38	12 52	1 17
M13	7 54	3n11	3 45	12 16	0 27	0 28	4 40	25 10	1 45	3 44	1 5	22 57	0 17	5 15	0 37	14 50	1 44	6 59	13 8	17 26	17 46	25 39	12 51	1 17
T 14	8 16	9 37	4 28	12 55	0 33	0 17	4 26	25 11	1 44	3 39	1 5	22 56	0 17	5 17	0 37	14 51	1 44	6 59	13 8	17 28	17 47	25 40	12 50	1 17
W15	8 38	15 38	4 55	13 34	0 40	0 7	4 13	25 12	1 44	3 34	1 5	22 56	0 17	5 18	0 37	14 51	1 44	6 58	13 8	17 31	17 47	25 41	12 49	1 17
T 16	9 1	20 47	5 1	14 11	0 47	0n 2	4 0	25 13	1 44	3 29	1 5	22 56	0 17	5 20	0 37	14 52	1 44	6 58	13 8	17 34	17 48	25 42	12 48	1 17
F 17	9 23	24 35	4 47	14 48	0 54	0 11	3 46	25 13	1 44	3 25	1 5	22 56	0 17	5 21	0 37	14 52	1 44	6 58	13 8	17 37	17 49	25 42	12 47	1 17
S 18	9 45	26 40	4 13	15 24	1 0	0 18	3 33	25 13	1 43	3 20	1 6	22 56	0 17	5 22	0 37	14 53	1 44	6 57	13 8	17 39	17 50	25 43	12 46	1 18
S 19	10 6	26 52	3 23	15 59	1 7	0 24	3 20	25 12	1 43	3 15	1 6	22 56	0 16	5 24	0 37	14 54	1 44	6 57	13 9	17 40	17 51	25 44	12 45	1 18
M20	10 28	25 15	2 22	16 33	1 13	0 29	3 8	25 12	1 43	3 11	1 6	22 56	0 16	5 25	0 37	14 54	1 44	6 57	13 9	17 41	17 52	25 45	12 44	1 18
T 21	10 50	22 8	1 13	17 7	1 20	0 34	2 55	25 11	1 42	3 6	1 6	22 56	0 16	5 27	0 37	14 55	1 44	6 56	13 9	17 41	17 53	25 46	12 43	1 18
W22	11 11	17 51	0 2	17 39	1 26	0 37	2 43	25 10	1 42	3 2	1 6	22 55	0 16	5 28	0 37	14 56	1 44	6 56	13 9	17 41	17 53	25 47	12 42	1 18
T 23	11 32	12 48	1s 7	18 11	1 32	0 39	2 31	25 8	1 42	2 57	1 6	22 55	0 16	5 30	0 37	14 56	1 44	6 56	13 9	17 41	17 54	25 48	12 40	1 18
F 24	11 53	7 17	2 11	18 42	1 38	0 41	2 19	25 7	1 42	2 53	1 6	22 55	0 16	5 31	0 37	14 57	1 44	6 56	13 9	17 42	17 55	25 49	12 39	1 18
S 25	12 14	1 35	3 8	19 12	1 44	0 41	2 7	25 5	1 41	2 48	1 6	22 55	0 16	5 32	0 37	14 58	1 44	6 55	13 9	17 43	17 56	25 49	12 38	1 18
S 26	12 35	4s 5	3 54	19 41	1 49	0 41	1 56	25 3	1 41	2 44	1 7	22 55	0 16	5 34	0 37	14 58	1 44	6 55	13 9	17 45	17 57	25 50	12 37	1 18
M27	12 55	9 31	4 29	20 9	1 55	0 39	1 45	25 0	1 41	2 39	1 7	22 55	0 16	5 35	0 37	14 59	1 44	6 55	13 9	17 48	17 58	25 51	12 36	1 19
T 28	13 15	14 32	4 51	20 36	2 0	0 37	1 34	24 58	1 40	2 35	1 7	22 54	0 16	5 37	0 37	15 0	1 44	6 54	13 9	17 52	17 58	25 52	12 35	1 19
W29	13 35	18 55	4 59	21 2	2 5	0 34	1 23	24 55	1 40	2 30	1 7	22 54	0 15	5 38	0 37	15 0	1 44	6 54	13 9	17 56	17 59	25 53	12 34	1 19
T 30	13 55	22 29	4 54	21 27	2 9	0 30	1 13	24 51	1 39	2 26	1 7	22 54	0 15	5 39	0 37	15 1	1 44	6 54	13 10	18 0	18 0	25 54	12 33	1 19
F 31	14s15	25s 5	4s36	21s50	2s14	0n26	1s 3	24s48	1s39	2n22	1n 7	22s54	0n15	5s41	0n37	15s 1	1n44	6n53	13s10	18s 3	18s 1	25s54	12n32	1s19

Julian Day Number = 2318870.5, Delta T = 52.76 sec
Ecliptic obliquity = 23°29'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'13, Lahiri = 18°47'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

NOVEMBER 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 43 1	9♏ 8'11	13♐44	28♏59	27♍ 7	10♑11	26♍50	9♑32	15♎55	16♏ 6	27°R54	8°R46	9♒ 3	6♐22	6°R37	S 1
S 2	2 46 57	10° 8'27	25°33	0♐20	27°45	10°56	27° 1	9°37	15°58	16° 8	27♉53	8♒37	9° 0	6°28	6♉34	S 2
M 3	2 50 54	11° 8'45	7♑23	1°40	28°24	11°41	27°12	9°41	16° 2	16°11	27°51	8°31	8°57	6°35	6°31	M 3
T 4	2 54 50	12° 9'05	19°18	2°59	29° 4	12°27	27°23	9°46	16° 5	16°13	27°50	8°28	8°53	6°42	6°28	T 4
W 5	2 58 47	13° 9'26	1♒24	4°17	29°46	13°12	27°34	9°51	16° 9	16°15	27°49	8°27	8°50	6°49	6°25	W 5
T 6	3 2 43	14° 9'48	13°45	5°33	0♎28	13°57	27°45	9°56	16°12	16°17	27°48	8°27	8°47	6°55	6°22	T 6
F 7	3 6 40	15°10'11	26°27	6°48	1°12	14°42	27°56	10° 1	16°16	16°20	27°47	8°27	8°44	7° 2	6°19	F 7
S 8	3 10 37	16°10'36	9♓34	8° 0	1°57	15°28	28° 6	10° 6	16°19	16°22	27°46	8°25	8°41	7° 9	6°16	S 8
S 9	3 14 33	17°11'03	23°10	9°11	2°42	16°13	28°17	10°11	16°23	16°24	27°45	8°21	8°37	7°15	6°13	S 9
M10	3 18 30	18°11'30	7♈17	10°19	3°29	16°59	28°27	10°16	16°26	16°26	27°44	8°14	8°34	7°22	6°10	M10
T 11	3 22 26	19°12'00	21°53	11°25	4°16	17°44	28°38	10°21	16°29	16°29	27°43	8° 5	8°31	7°29	6° 7	T 11
W12	3 26 23	20°12'30	6♉53	12°28	5° 5	18°30	28°48	10°27	16°33	16°31	27°42	7°54	8°28	7°36	6° 4	W12
T 13	3 30 19	21°13'02	22° 8	13°28	5°54	19°15	28°58	10°32	16°36	16°33	27°40	7°43	8°25	7°42	6° 1	T 13
F 14	3 34 16	22°13'36	7♊27	14°24	6°44	20° 1	29° 8	10°37	16°39	16°35	27°39	7°32	8°22	7°49	5°58	F 14
S 15	3 38 12	23°14'11	22°38	15°15	7°35	20°47	29°18	10°43	16°42	16°38	27°38	7°24	8°18	7°56	5°55	S 15
S 16	3 42 9	24°14'48	7♋33	16° 2	8°27	21°32	29°28	10°48	16°46	16°40	27°37	7°18	8°15	8° 2	5°52	S 16
M17	3 46 6	25°15'27	22° 3	16°44	9°19	22°18	29°38	10°54	16°49	16°42	27°36	7°15	8°12	8° 9	5°49	M17
T 18	3 50 2	26°16'07	6♌ 7	17°19	10°13	23° 4	29°47	11° 0	16°52	16°44	27°35	7°D15	8° 9	8°16	5°46	T 18
W19	3 53 59	27°16'49	19°44	17°47	11° 7	23°50	29°57	11° 5	16°55	16°46	27°34	7°15	8° 6	8°22	5°43	W19
T 20	3 57 55	28°17'32	2♍57	18° 8	12° 1	24°36	0♎ 6	11°11	16°58	16°49	27°33	7°R15	8° 3	8°29	5°41	T 20
F 21	4 1 52	29°18'17	15°49	18°21	12°56	25°22	0°16	11°17	17° 1	16°51	27°31	7°14	7°59	8°36	5°38	F 21
S 22	4 5 48	0♐19'04	28°23	18°R24	13°52	26° 8	0°25	11°23	17° 4	16°53	27°30	7°10	7°56	8°43	5°35	S 22
S 23	4 9 45	1°19'52	10♎44	18°17	14°49	26°54	0°34	11°29	17° 7	16°55	27°29	7° 4	7°53	8°49	5°32	S 23
M24	4 13 41	2°20'42	22°55	18° 0	15°46	27°40	0°43	11°35	17°10	16°58	27°28	6°55	7°50	8°56	5°30	M24
T 25	4 17 38	3°21'33	4♏58	17°32	16°43	28°26	0°52	11°41	17°13	17° 0	27°27	6°43	7°47	9° 3	5°27	T 25
W26	4 21 35	4°22'25	16°55	16°52	17°41	29°12	1° 1	11°47	17°16	17° 2	27°26	6°31	7°43	9° 9	5°25	W26
T 27	4 25 31	5°23'19	28°49	16° 2	18°40	29°58	1°10	11°53	17°19	17° 4	27°25	6°18	7°40	9°16	5°22	T 27
F 28	4 29 28	6°24'14	10♐40	15° 2	19°39	0♒44	1°18	11°59	17°22	17° 6	27°24	6° 6	7°37	9°23	5°19	F 28
S 29	4 33 24	7°25'10	22°31	13°53	20°39	1°30	1°27	12° 5	17°24	17° 8	27°22	5°57	7°34	9°29	5°17	S 29
S 30	4 37 21	8♐26'06	4♑21	12♐37	21♎39	2♒17	1♎35	12♑12	17♎27	17♏11	27♉21	5♒49	7♒31	9♐36	5♉14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	14s34	26s34	4s 6	22s13	2s18	0n20	0s53	24s44	1s39	2n17	1n 7	22s54	0n15	5s42	0n37	15s 2	1n44	6n53	13s10	18s 6	18s 2	25s55	12n31	1s19	S 1
S 2	14 53	26 50	3 26	22 35	2 22	0 14	0 43	24 40	1 38	2 13	1 7	22 53	0 15	5 43	0 37	15 3	1 44	6 53	13 10	18 9	18 3	25 56	12 29	1 19	S 2
M 3	15 12	25 53	2 36	22 55	2 26	0 7	0 34	24 36	1 38	2 9	1 8	22 53	0 15	5 45	0 37	15 3	1 44	6 53	13 10	18 10	18 4	25 57	12 28	1 19	M 3
T 4	15 31	23 44	1 39	23 14	2 29	0s 0	0 25	24 31	1 37	2 5	1 8	22 53	0 15	5 46	0 37	15 4	1 44	6 52	13 10	18 11	18 4	25 57	12 27	1 19	T 4
W 5	15 49	20 30	0 37	23 31	2 31	0 9	0 16	24 26	1 37	2 0	1 8	22 53	0 15	5 48	0 37	15 5	1 44	6 52	13 10	18 11	18 5	25 58	12 26	1 19	W 5
T 6	16 7	16 17	0n28	23 48	2 34	0 18	0 7	24 21	1 37	1 56	1 8	22 52	0 15	5 49	0 37	15 5	1 44	6 52	13 10	18 11	18 6	25 59	12 25	1 19	T 6
F 7	16 25	11 15	1 34	24 3	2 36	0 27	0n 1	24 16	1 36	1 52	1 8	22 52	0 15	5 50	0 37	15 6	1 44	6 52	13 10	18 11	18 7	26 0	12 24	1 20	F 7
S 8	16 43	5 35	2 37	24 16	2 37	0 38	0 10	24 10	1 36	1 48	1 8	22 52	0 15	5 51	0 37	15 7	1 44	6 51	13 10	18 12	18 8	26 0	12 23	1 20	S 8
S 9	17 0	0n33	3 33	24 28	2 38	0 48	0 18	24 5	1 35	1 44	1 9	22 51	0 14	5 53	0 37	15 7	1 44	6 51	13 10	18 13	18 9	26 1	12 22	1 20	S 9
M10	17 17	6 51	4 19	24 39	2 38	1 0	0 25	23 58	1 35	1 40	1 9	22 51	0 14	5 54	0 37	15 8	1 44	6 51	13 10	18 15	18 9	26 2	12 21	1 20	M10
T 11	17 34	13 0	4 49	24 48	2 38	1 12	0 33	23 52	1 34	1 36	1 9	22 51	0 14	5 55	0 37	15 9	1 44	6 51	13 10	18 17	18 10	26 3	12 20	1 20	T 11
W12	17 50	18 34	5 1	24 56	2 37	1 25	0 40	23 45	1 34	1 32	1 9	22 50	0 14	5 57	0 37	15 9	1 44	6 50	13 10	18 20	18 11	26 3	12 19	1 20	W12
T 13	18 6	23 2	4 51	25 2	2 35	1 38	0 47	23 38	1 33	1 28	1 9	22 50	0 14	5 58	0 37	15 10	1 44	6 50	13 10	18 23	18 12	26 4	12 18	1 20	T 13
F 14	18 22	25 53	4 21	25 6	2 32	1 51	0 54	23 31	1 33	1 24	1 9	22 50	0 14	5 59	0 37	15 10	1 44	6 50	13 10	18 25	18 13	26 5	12 17	1 20	F 14
S 15	18 37	26 49	3 33	25 8	2 29	2 5	1 0	23 24	1 32	1 21	1 10	22 49	0 14	6 0	0 37	15 11	1 44	6 50	13 10	18 28	18 14	26 5	12 16	1 20	S 15
S 16	18 52	25 47	2 30	25 9	2 24	2 20	1 7	23 16	1 32	1 17	1 10	22 49	0 14	6 1	0 37	15 12	1 44	6 49	13 10	18 29	18 14	26 6	12 15	1 20	S 16
M17	19 7	22 59	1 20	25 8	2 19	2 35	1 13	23 8	1 31	1 13	1 10	22 49	0 14	6 3	0 37	15 12	1 44	6 49	13 10	18 30	18 15	26 7	12 14	1 20	M17
T 18	19 21	18 53	0 6	25 5	2 12	2 51	1 19	23 0	1 31	1 9	1 10	22 48	0 14	6 4	0 37	15 13	1 44	6 49	13 10	18 30	18 16	26 7	12 13	1 20	T 18
W19	19 36	13 53	1s 6	24 59	2 4	3 6	1 25	22 52	1 30	1 6	1 10	22 48	0 14	6 5	0 37	15 14	1 44	6 49	13 10	18 30	18 17	26 8	12 12	1 20	W19
T 20	19 49	8 23	2 12	24 52	1 55	3 23	1 30	22 43	1 30	1 2	1 11	22 48	0 13	6 6	0 37	15 14	1 44	6 49	13 10	18 30	18 18	26 9	12 11	1 20	T 20
F 21	20 3	2 42	3 10	24 43	1 45	3 39	1 35	22 34	1 29	0 59	1 11	22 47	0 13	6 7	0 37	15 15	1 44	6 48	13 10	18 30	18 18	26 9	12 10	1 20	F 21
S 22	20 16	2s58	3 57	24 31	1 32	3 56	1 40	22 25	1 29	0 55	1 11	22 47	0 13	6 9	0 37	15 15	1 44	6 48	13 10	18 31	18 19	26 10	12 9	1 21	S 22
S 23	20 28	8 25	4 32	24 17	1 19	4 14	1 45	22 16	1 28	0 52	1 11	22 46	0 13	6 10	0 37	15 16	1 44	6 48	13 10	18 33	18 20	26 11	12 8	1 21	S 23
M24	20 40	13 28	4 54	24 0	1 4	4 32	1 50	22 6	1 27	0 48	1 11	22 46	0 13	6 11	0 38	15 17	1 44	6 48	13 10	18 35	18 21	26 11	12 7	1 21	M24
T 25	20 52	17 57	5 2	23 41	0 47	4 50	1 54	21 56	1 27	0 45	1 12	22 45	0 13	6 12	0 38	15 17	1 44	6 48	13 10	18 38	18 22	26 12	12 6	1 21	T 25
W26	21 4	21 41	4 58	23 20	0 30	5 8	1 59	21 46	1 26	0 42	1 12	22 45	0 13	6 13	0 38	15 18	1 44	6 47	13 10	18 41	18 23	26 13	12 5	1 21	W26
T 27	21 15	24 29	4 40	22 56	0 11	5 26	2 3	21 36	1 26	0 38	1 12	22 45	0 13	6 14	0 38	15 18	1 44	6 47	13 10	18 44	18 23	26 13	12 4	1 21	T 27
F 28	21 25	26 13	4 10	22 30	0n 9	5 45	2 7	21 25	1 25	0 35	1 12	22 44	0 13	6 15	0 38	15 19	1 44	6 47	13 9	18 47	18 24	26 14	12 3	1 21	F 28
S 29	21 36	26 46	3 29	22 2	0 29	6 4	2 10	21 14	1 25	0 32	1 12	22 44	0 13	6 16	0 38	15 20	1 44	6 47	13 9	18 49	18 25	26 14	12 2	1 21	S 29
S 30	21s45	26s 4	2s40	21s32	0n50	6s23	2n14	21s 3	1s24	0n29	1n13	22s43	0n13	6s17	0n38	15s20	1n44	6n47	13s 9	18s51	18s26	26s15	12n 1	1s21	S 30

Julian Day Number = 2318901.5, Delta T = 52.70 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'17, Lahiri = 18°47'18Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1636
geocentric

DECEMBER 1636 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 41 17	9♐27'04	16♑15	11°R16	22♎39	3♒ 3	1♎43	12♑18	17♎30	17♏13	27°R20	5°R44	7♒28	9♐43	5°R12	M 1
T 2	4 45 14	10°28'03	28°14	9♐53	23°40	3°49	1°51	12°24	17°33	17°15	27♉19	5♒42	7°24	9°50	5♉10	T 2
W 3	4 49 10	11°29'02	10♒22	8°31	24°42	4°35	1°59	12°31	17°35	17°17	27°18	5°D42	7°21	9°56	5° 7	W 3
T 4	4 53 7	12°30'02	22°43	7°12	25°43	5°22	2° 7	12°37	17°38	17°19	27°17	5°43	7°18	10° 3	5° 5	T 4
F 5	4 57 4	13°31'03	5♓22	6° 0	26°46	6° 8	2°15	12°44	17°40	17°21	27°16	5°44	7°15	10°10	5° 3	F 5
S 6	5 1 0	14°32'04	18°22	4°55	27°48	6°55	2°22	12°50	17°43	17°23	27°15	5°R44	7°12	10°16	5° 1	S 6
S 7	5 4 57	15°33'05	1♈49	4° 0	28°51	7°41	2°30	12°57	17°45	17°25	27°14	5°43	7° 9	10°23	4°58	S 7
M 8	5 8 53	16°34'07	15°44	3°16	29°54	8°27	2°37	13° 3	17°48	17°27	27°13	5°39	7° 5	10°30	4°56	M 8
T 9	5 12 50	17°35'10	0♉ 8	2°42	0♏58	9°14	2°44	13°10	17°50	17°29	27°12	5°34	7° 2	10°37	4°54	T 9
W10	5 16 46	18°36'13	14°57	2°20	2° 2	10° 0	2°51	13°16	17°52	17°31	27°10	5°27	6°59	10°43	4°52	W10
T 11	5 20 43	19°37'17	0♊ 6	2° 9	3° 6	10°47	2°58	13°23	17°55	17°33	27° 9	5°20	6°56	10°50	4°50	T 11
F 12	5 24 39	20°38'21	15°24	2°D 8	4°10	11°33	3° 5	13°30	17°57	17°35	27° 8	5°13	6°53	10°57	4°48	F 12
S 13	5 28 36	21°39'26	0♋41	2°17	5°15	12°20	3°11	13°36	17°59	17°37	27° 7	5° 7	6°49	11° 3	4°46	S 13
S 14	5 32 33	22°40'31	15°46	2°34	6°20	13° 6	3°18	13°43	18° 1	17°39	27° 6	5° 4	6°46	11°10	4°45	S 14
M15	5 36 29	23°41'37	0♌30	3° 0	7°26	13°52	3°24	13°50	18° 3	17°41	27° 5	5°D 2	6°43	11°17	4°43	M15
T 16	5 40 26	24°42'44	14°48	3°33	8°31	14°39	3°30	13°57	18° 5	17°43	27° 4	5° 2	6°40	11°23	4°41	T 16
W17	5 44 22	25°43'51	28°37	4°12	9°37	15°25	3°36	14° 4	18° 7	17°45	27° 3	5° 4	6°37	11°30	4°39	W17
T 18	5 48 19	26°44'59	11♍59	4°57	10°43	16°12	3°42	14°11	18° 9	17°47	27° 2	5° 5	6°34	11°37	4°38	T 18
F 19	5 52 15	27°46'08	24°56	5°48	11°50	16°58	3°48	14°17	18°11	17°48	27° 1	5°R 6	6°30	11°44	4°36	F 19
S 20	5 56 12	28°47'17	7♎32	6°42	12°57	17°45	3°53	14°24	18°13	17°50	27° 0	5° 6	6°27	11°50	4°35	S 20
S 21	6 0 9	29°48'26	19°51	7°41	14° 4	18°31	3°58	14°31	18°15	17°52	27° 0	5° 4	6°24	11°57	4°33	S 21
M22	6 4 5	0♑49'37	1♏57	8°43	15°11	19°18	4° 4	14°38	18°16	17°54	26°59	5° 0	6°21	12° 4	4°32	M22
T 23	6 8 2	1°50'48	13°55	9°49	16°18	20° 5	4° 9	14°45	18°18	17°56	26°58	4°55	6°18	12°10	4°31	T 23
W24	6 11 58	2°51'59	25°47	10°57	17°26	20°51	4°13	14°52	18°20	17°57	26°57	4°49	6°15	12°17	4°29	W24
T 25	6 15 55	3°53'10	7♐38	12° 8	18°33	21°38	4°18	14°59	18°21	17°59	26°56	4°43	6°11	12°24	4°28	T 25
F 26	6 19 51	4°54'22	19°28	13°21	19°41	22°24	4°23	15° 6	18°23	18° 1	26°55	4°37	6° 8	12°30	4°27	F 26
S 27	6 23 48	5°55'34	1♑21	14°35	20°49	23°11	4°27	15°13	18°24	18° 2	26°54	4°32	6° 5	12°37	4°26	S 27
S 28	6 27 44	6°56'46	13°17	15°52	21°58	23°57	4°31	15°20	18°26	18° 4	26°53	4°29	6° 2	12°44	4°25	S 28
M29	6 31 41	7°57'58	25°19	17°10	23° 6	24°44	4°35	15°27	18°27	18° 6	26°53	4°27	5°59	12°50	4°24	M29
T 30	6 35 38	8°59'10	7♒28	18°29	24°15	25°30	4°39	15°34	18°29	18° 7	26°52	4°D27	5°55	12°57	4°23	T 30
W31	6 39 34	10♑ 0'21	19♒47	19♐50	25♏24	26♒17	4♎43	15♑41	18♎30	18♏ 9	26♉51	4♒28	5♒52	13♐ 4	4♉22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s55	24s11	1s42	21s 1	1n10	6s43	2n17	20s52	1s23	0n26	1n13	22s43	0n13	6s18	0n38	15s21	1n44	6n47	13s 9	18s52	18s27	26s15	12n 1	1s21
T 2	22 4	21 13	0 40	20 31	1 29	7 2	2 20	20 41	1 23	0 23	1 13	22 42	0 12	6 19	0 38	15 21	1 44	6 47	13 9	18 53	18 27	26 16	12 0	1 21
W 3	22 12	17 17	0n25	20 1	1 47	7 22	2 23	20 29	1 22	0 20	1 13	22 42	0 12	6 20	0 38	15 22	1 44	6 46	13 9	18 53	18 28	26 17	11 59	1 21
T 4	22 20	12 33	1 30	19 33	2 3	7 42	2 26	20 17	1 22	0 17	1 13	22 41	0 12	6 21	0 38	15 22	1 44	6 46	13 9	18 53	18 29	26 17	11 58	1 21
F 5	22 28	7 12	2 33	19 7	2 16	8 2	2 29	20 5	1 21	0 14	1 14	22 41	0 12	6 22	0 38	15 23	1 44	6 46	13 9	18 53	18 30	26 18	11 57	1 21
S 6	22 35	1 24	3 29	18 44	2 28	8 22	2 31	19 53	1 20	0 11	1 14	22 40	0 12	6 23	0 38	15 24	1 44	6 46	13 9	18 53	18 31	26 18	11 57	1 21
S 7	22 42	4n38	4 16	18 25	2 37	8 42	2 33	19 40	1 20	0 8	1 14	22 39	0 12	6 24	0 38	15 24	1 44	6 46	13 9	18 53	18 31	26 19	11 56	1 21
M 8	22 49	10 39	4 50	18 10	2 44	9 2	2 35	19 27	1 19	0 6	1 14	22 39	0 12	6 25	0 38	15 25	1 44	6 46	13 8	18 54	18 32	26 19	11 55	1 21
T 9	22 54	16 19	5 6	17 59	2 49	9 22	2 37	19 14	1 18	0 3	1 15	22 38	0 12	6 26	0 38	15 25	1 44	6 46	13 8	18 55	18 33	26 20	11 54	1 21
W10	23 0	21 11	5 4	17 52	2 52	9 43	2 39	19 1	1 18	0 0	1 15	22 38	0 12	6 27	0 38	15 26	1 44	6 46	13 8	18 57	18 34	26 20	11 54	1 21
T 11	23 5	24 46	4 40	17 49	2 53	10 3	2 41	18 48	1 17	0s 2	1 15	22 37	0 12	6 27	0 38	15 26	1 44	6 46	13 8	18 59	18 35	26 21	11 53	1 21
F 12	23 9	26 36	3 56	17 49	2 52	10 24	2 42	18 35	1 16	0 4	1 15	22 37	0 12	6 28	0 38	15 27	1 44	6 45	13 8	19 0	18 35	26 21	11 52	1 21
S 13	23 13	26 24	2 55	17 53	2 50	10 44	2 43	18 21	1 16	0 7	1 16	22 36	0 12	6 29	0 38	15 27	1 44	6 45	13 8	19 2	18 36	26 22	11 52	1 21
S 14	23 17	24 15	1 43	17 59	2 47	11 4	2 45	18 7	1 15	0 9	1 16	22 35	0 11	6 30	0 38	15 28	1 44	6 45	13 8	19 2	18 37	26 22	11 51	1 21
M15	23 20	20 29	0 25	18 8	2 43	11 25	2 46	17 53	1 14	0 11	1 16	22 35	0 11	6 31	0 38	15 28	1 44	6 45	13 7	19 3	18 38	26 23	11 50	1 21
T 16	23 23	15 35	0s53	18 20	2 38	11 45	2 46	17 39	1 14	0 14	1 16	22 34	0 11	6 31	0 38	15 29	1 44	6 45	13 7	19 3	18 39	26 23	11 50	1 21
W17	23 25	10 2	2 5	18 33	2 32	12 5	2 47	17 24	1 13	0 16	1 17	22 33	0 11	6 32	0 38	15 29	1 44	6 45	13 7	19 2	18 39	26 23	11 49	1 22
T 18	23 27	4 11	3 7	18 47	2 25	12 25	2 48	17 10	1 12	0 18	1 17	22 33	0 11	6 33	0 38	15 30	1 44	6 45	13 7	19 2	18 40	26 24	11 49	1 22
F 19	23 28	1s38	3 58	19 3	2 18	12 45	2 48	16 55	1 12	0 20	1 17	22 32	0 11	6 33	0 38	15 30	1 44	6 45	13 7	19 2	18 41	26 24	11 48	1 22
S 20	23 29	7 13	4 36	19 19	2 11	13 5	2 48	16 40	1 11	0 22	1 17	22 31	0 11	6 34	0 38	15 31	1 44	6 45	13 7	19 2	18 42	26 25	11 48	1 22
S 21	23 29	12 25	5 1	19 36	2 3	13 25	2 48	16 25	1 10	0 24	1 18	22 31	0 11	6 35	0 38	15 31	1 44	6 45	13 6	19 2	18 43	26 25	11 47	1 22
M22	23 29	17 2	5 11	19 54	1 55	13 44	2 48	16 10	1 10	0 26	1 18	22 30	0 11	6 35	0 38	15 32	1 44	6 45	13 6	19 3	18 43	26 26	11 47	1 22
T 23	23 29	20 56	5 8	20 12	1 47	14 4	2 48	15 54	1 9	0 27	1 18	22 29	0 11	6 36	0 38	15 32	1 44	6 45	13 6	19 5	18 44	26 26	11 46	1 22
W24	23 27	23 57	4 51	20 30	1 39	14 23	2 48	15 39	1 8	0 29	1 18	22 29	0 11	6 37	0 38	15 33	1 45	6 45	13 6	19 6	18 45	26 26	11 46	1 22
T 25	23 26	25 56	4 22	20 48	1 31	14 42	2 48	15 23	1 7	0 31	1 19	22 28	0 11	6 37	0 38	15 33	1 45	6 45	13 6	19 7	18 46	26 27	11 45	1 22
F 26	23 24	26 45	3 42	21 5	1 22	15 1	2 47	15 7	1 7	0 32	1 19	22 27	0 11	6 38	0 38	15 33	1 45	6 45	13 5	19 9	18 47	26 27	11 45	1 22
S 27	23 21	26 20	2 52	21 22	1 14	15 19	2 47	14 51	1 6	0 34	1 19	22 27	0 10	6 38	0 38	15 34	1 45	6 45	13 5	19 10	18 47	26 27	11 44	1 22
S 28	23 18	24 42	1 54	21 39	1 6	15 37	2 46	14 35	1 5	0 35	1 19	22 26	0 10	6 39	0 38	15 34	1 45	6 45	13 5	19 11	18 48	26 28	11 44	1 22
M29	23 15	21 56	0 50	21 55	0 57	15 55	2 45	14 19	1 5	0 37	1 20	22 25	0 10	6 39	0 38	15 35	1 45	6 45	13 5	19 11	18 49	26 28	11 44	1 22
T 30	23 11	18 10	0n17	22 11	0 49	16 13	2 44	14 3	1 4	0 38	1 20	22 24	0 10	6 40	0 38	15 35	1 45	6 45	13 5	19 11	18 50	26 29	11 43	1 22
W31	23s 7	13s35	1n23	22s25	0n41	16s31	2n43	13s46	1s 3	0s39	1n20	22s24	0n10	6s40	0n38	15s35	1n45	6n45	13s 4	19s11	18s51	26s29	11n43	1s22

Julian Day Number = 2318931.5, Delta T = 52.64 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'21, Lahiri = 18°47'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

JANUARY 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 43 31	11♉ 1'33	2♓18	21♐11	26♏33	27♒ 3	4♎46	15♉48	18♎31	18♏10	26°R50	4♒29	5♒49	13♐11	4°R21	T 1
F 2	6 47 27	12° 2'43	15° 3	22°34	27°42	27°50	4°50	15°55	18°32	18°12	26♉49	4°31	5°46	13°17	4♉21	F 2
S 3	6 51 24	13° 3'54	28° 6	23°58	28°51	28°36	4°53	16° 3	18°33	18°13	26°49	4°32	5°43	13°24	4°20	S 3
S 4	6 55 20	14° 5'03	11♈28	25°22	0♐ 0	29°23	4°56	16°10	18°34	18°15	26°48	4°R33	5°40	13°31	4°19	S 4
M 5	6 59 17	15° 6'13	25°13	26°48	1°10	0♓ 9	4°58	16°17	18°35	18°16	26°47	4°33	5°36	13°37	4°19	M 5
T 6	7 3 13	16° 7'21	9♉21	28°14	2°19	0°56	5° 1	16°24	18°36	18°18	26°47	4°32	5°33	13°44	4°18	T 6
W 7	7 7 10	17° 8'29	23°50	29°40	3°29	1°42	5° 3	16°31	18°37	18°19	26°46	4°30	5°30	13°51	4°18	W 7
T 8	7 11 7	18° 9'37	8♊37	1♉ 8	4°39	2°29	5° 6	16°38	18°38	18°20	26°45	4°27	5°27	13°57	4°18	T 8
F 9	7 15 3	19°10'44	23°35	2°36	5°49	3°15	5° 8	16°45	18°39	18°22	26°45	4°25	5°24	14° 4	4°17	F 9
S 10	7 19 0	20°11'50	8♋37	4° 5	6°59	4° 1	5° 9	16°52	18°40	18°23	26°44	4°24	5°21	14°11	4°17	S 10
S 11	7 22 56	21°12'55	23°34	5°34	8°10	4°48	5°11	16°59	18°40	18°24	26°43	4°23	5°17	14°18	4°17	S 11
M12	7 26 53	22°14'01	8♌17	7° 4	9°20	5°34	5°13	17° 6	18°41	18°26	26°43	4°D23	5°14	14°24	4°17	M12
T 13	7 30 49	23°15'05	22°39	8°35	10°30	6°20	5°14	17°13	18°41	18°27	26°42	4°23	5°11	14°31	4°D17	T 13
W14	7 34 46	24°16'09	6♍37	10° 6	11°41	7° 7	5°15	17°20	18°42	18°28	26°42	4°24	5° 8	14°38	4°17	W14
T 15	7 38 42	25°17'13	20° 9	11°38	12°52	7°53	5°16	17°27	18°42	18°29	26°41	4°25	5° 5	14°44	4°17	T 15
F 16	7 42 39	26°18'16	3♎15	13°10	14° 3	8°39	5°17	17°34	18°43	18°30	26°41	4°26	5° 1	14°51	4°17	F 16
S 17	7 46 36	27°19'18	15°57	14°43	15°13	9°26	5°17	17°42	18°43	18°31	26°40	4°26	4°58	14°58	4°17	S 17
S 18	7 50 32	28°20'20	28°20	16°17	16°24	10°12	5°17	17°49	18°43	18°32	26°40	4°R26	4°55	15° 4	4°18	S 18
M19	7 54 29	29°21'22	10♏28	17°51	17°36	10°58	5°R18	17°56	18°44	18°33	26°39	4°26	4°52	15°11	4°18	M19
T 20	7 58 25	0♒22'23	22°25	19°25	18°47	11°44	5°18	18° 3	18°44	18°34	26°39	4°26	4°49	15°18	4°18	T 20
W21	8 2 22	1°23'24	4♐17	21° 1	19°58	12°30	5°17	18° 9	18°44	18°35	26°38	4°26	4°46	15°24	4°19	W21
T 22	8 6 18	2°24'24	16° 6	22°37	21° 9	13°17	5°17	18°16	18°R44	18°36	26°38	4°25	4°42	15°31	4°19	T 22
F 23	8 10 15	3°25'23	27°57	24°14	22°21	14° 3	5°16	18°23	18°44	18°37	26°38	4°25	4°39	15°38	4°20	F 23
S 24	8 14 12	4°26'21	9♑54	25°51	23°32	14°49	5°16	18°30	18°44	18°38	26°37	4°D25	4°36	15°45	4°21	S 24
S 25	8 18 8	5°27'18	21°58	27°29	24°44	15°35	5°14	18°37	18°44	18°39	26°37	4°25	4°33	15°51	4°21	S 25
M26	8 22 5	6°28'15	4♒11	29° 8	25°55	16°21	5°13	18°44	18°44	18°40	26°37	4°R25	4°30	15°58	4°22	M26
T 27	8 26 1	7°29'10	16°36	0♒47	27° 7	17° 7	5°12	18°51	18°43	18°41	26°36	4°25	4°27	16° 5	4°23	T 27
W28	8 29 58	8°30'04	29°13	2°27	28°19	17°53	5°10	18°58	18°43	18°41	26°36	4°25	4°23	16°11	4°24	W28
T 29	8 33 54	9°30'57	12♓ 3	4° 8	29°31	18°39	5° 9	19° 5	18°43	18°42	26°36	4°24	4°20	16°18	4°25	T 29
F 30	8 37 51	10°31'49	25° 6	5°49	0♑43	19°25	5° 7	19°11	18°42	18°43	26°35	4°23	4°17	16°25	4°26	F 30
S 31	8 41 47	11♒32'39	8♈24	7♒32	1♑54	20♓11	5♎ 4	19♑18	18♎42	18♏43	26♉35	4♒23	4♒14	16♐31	4♉27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s 2	8 s23	2n27	22 s39	0n32	16 s48	2n42	13 s30	1 s 2	0 s40	1n20	22 s23	0n10	6 s41	0n38	15 s36	1n45	6n45	13 s 4	19 s11	18 s51	26 s29	11n43	1 s22
F 2	22 56	2 45	3 25	22 53	0 24	17 5	2 40	13 13	1 2	0 41	1 21	22 22	0 10	6 41	0 38	15 36	1 45	6 45	13 4	19 10	18 52	26 30	11 43	1 22
S 3	22 51	3n 8	4 14	23 5	0 16	17 21	2 39	12 56	1 1	0 42	1 21	22 21	0 10	6 42	0 39	15 37	1 45	6 45	13 4	19 10	18 53	26 30	11 42	1 22
S 4	22 44	9 0	4 51	23 16	0 8	17 38	2 38	12 39	1 0	0 43	1 21	22 21	0 10	6 42	0 39	15 37	1 45	6 45	13 3	19 10	18 54	26 30	11 42	1 22
M 5	22 38	14 36	5 12	23 26	0 1	17 53	2 36	12 22	0 59	0 44	1 22	22 20	0 10	6 42	0 39	15 37	1 45	6 46	13 3	19 10	18 54	26 30	11 42	1 22
T 6	22 31	19 36	5 15	23 35	0 s 7	18 9	2 34	12 5	0 59	0 45	1 22	22 19	0 10	6 43	0 39	15 38	1 45	6 46	13 3	19 10	18 55	26 31	11 42	1 22
W 7	22 23	23 35	4 58	23 44	0 14	18 24	2 32	11 47	0 58	0 45	1 22	22 18	0 10	6 43	0 39	15 38	1 45	6 46	13 3	19 11	18 56	26 31	11 42	1 22
T 8	22 15	26 5	4 22	23 51	0 22	18 39	2 31	11 30	0 57	0 46	1 22	22 17	0 10	6 43	0 39	15 38	1 45	6 46	13 2	19 11	18 57	26 31	11 42	1 22
F 9	22 7	26 47	3 27	23 56	0 29	18 53	2 29	11 13	0 56	0 47	1 23	22 17	0 10	6 43	0 39	15 39	1 45	6 46	13 2	19 12	18 58	26 32	11 41	1 22
S 10	21 58	25 30	2 18	24 1	0 36	19 7	2 27	10 55	0 56	0 47	1 23	22 16	0 9	6 44	0 39	15 39	1 45	6 46	13 2	19 12	18 58	26 32	11 41	1 22
S 11	21 49	22 24	1 0	24 5	0 42	19 20	2 24	10 37	0 55	0 48	1 23	22 15	0 9	6 44	0 39	15 39	1 45	6 46	13 2	19 12	18 59	26 32	11 41	1 22
M12	21 39	17 53	0 s22	24 7	0 49	19 33	2 22	10 20	0 54	0 48	1 23	22 14	0 9	6 44	0 39	15 40	1 45	6 46	13 1	19 12	19 0	26 32	11 41	1 22
T 13	21 29	12 25	1 40	24 8	0 55	19 46	2 20	10 2	0 53	0 48	1 24	22 13	0 9	6 44	0 39	15 40	1 45	6 46	13 1	19 12	19 1	26 33	11 41	1 22
W14	21 18	6 28	2 49	24 7	1 1	19 58	2 18	9 44	0 53	0 48	1 24	22 13	0 9	6 45	0 39	15 40	1 45	6 47	13 1	19 12	19 1	26 33	11 41	1 22
T 15	21 7	0 25	3 47	24 6	1 7	20 9	2 15	9 26	0 52	0 48	1 24	22 12	0 9	6 45	0 39	15 40	1 46	6 47	13 1	19 12	19 2	26 33	11 41	1 22
F 16	20 56	5 s27	4 32	24 3	1 13	20 20	2 13	9 8	0 51	0 48	1 25	22 11	0 9	6 45	0 39	15 41	1 46	6 47	13 0	19 12	19 3	26 33	11 41	1 22
S 17	20 44	10 55	5 1	23 58	1 18	20 31	2 10	8 50	0 50	0 48	1 25	22 10	0 9	6 45	0 39	15 41	1 46	6 47	13 0	19 11	19 4	26 34	11 41	1 22
S 18	20 32	15 49	5 16	23 52	1 23	20 41	2 7	8 31	0 50	0 48	1 25	22 9	0 9	6 45	0 39	15 41	1 46	6 47	13 0	19 11	19 4	26 34	11 42	1 22
M19	20 20	19 59	5 16	23 45	1 28	20 50	2 5	8 13	0 49	0 48	1 25	22 8	0 9	6 45	0 39	15 41	1 46	6 47	13 0	19 11	19 5	26 34	11 42	1 22
T 20	20 7	23 16	5 2	23 37	1 33	20 59	2 2	7 55	0 48	0 48	1 26	22 7	0 9	6 45	0 39	15 42	1 46	6 48	12 59	19 11	19 6	26 34	11 42	1 22
W21	19 53	25 33	4 35	23 27	1 37	21 8	1 59	7 36	0 47	0 47	1 26	22 7	0 9	6 45	0 39	15 42	1 46	6 48	12 59	19 12	19 7	26 34	11 42	1 22
T 22	19 40	26 42	3 57	23 15	1 41	21 16	1 56	7 18	0 46	0 47	1 26	22 6	0 9	6 45	0 39	15 42	1 46	6 48	12 59	19 12	19 8	26 34	11 42	1 22
F 23	19 26	26 37	3 9	23 2	1 45	21 23	1 53	7 0	0 46	0 47	1 26	22 5	0 9	6 45	0 39	15 42	1 46	6 48	12 58	19 12	19 8	26 35	11 42	1 22
S 24	19 11	25 19	2 12	22 48	1 49	21 30	1 50	6 41	0 45	0 46	1 27	22 4	0 8	6 45	0 39	15 42	1 46	6 48	12 58	19 12	19 9	26 35	11 43	1 22
S 25	18 57	22 49	1 9	22 32	1 52	21 36	1 47	6 22	0 44	0 45	1 27	22 3	0 8	6 45	0 39	15 43	1 46	6 49	12 58	19 12	19 10	26 35	11 43	1 22
M26	18 42	19 16	0 1	22 15	1 55	21 41	1 44	6 4	0 43	0 45	1 27	22 2	0 8	6 45	0 39	15 43	1 46	6 49	12 58	19 12	19 11	26 35	11 43	1 22
T 27	18 26	14 49	1n 7	21 56	1 57	21 46	1 41	5 45	0 43	0 44	1 28	22 1	0 8	6 45	0 39	15 43	1 46	6 49	12 57	19 12	19 11	26 35	11 43	1 22
W28	18 10	9 41	2 13	21 35	1 59	21 51	1 38	5 26	0 42	0 43	1 28	22 0	0 8	6 45	0 39	15 43	1 46	6 49	12 57	19 12	19 12	26 35	11 44	1 22
T 29	17 54	4 4	3 14	21 14	2 1	21 54	1 35	5 8	0 41	0 42	1 28	22 0	0 8	6 44	0 39	15 43	1 46	6 49	12 57	19 12	19 13	26 35	11 44	1 22
F 30	17 38	1n49	4 6	20 50	2 3	21 57	1 32	4 49	0 40	0 41	1 28	21 59	0 8	6 44	0 39	15 43	1 46	6 50	12 56	19 12	19 14	26 36	11 44	1 22
S 31	17 s21	7n42	4n45	20 s25	2 s 4	22 s 0	1n28	4 s30	0 s39	0 s40	1n29	21 s58	0n 8	6 s44	0n39	15 s43	1n46	6n50	12 s56	19 s12	19 s14	26 s36	11n45	1 s22

Julian Day Number = 2318962.5, Delta T = 52.58 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'26, Lahiri = 18°47'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

FEBRUARY 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 45 44	12♒33'28	21♈55	9♒15	3♑ 6	20♓57	5°R 2	19♑25	18°R41	18♏44	26°R35	4°R22	4♒11	16♐38	4♉28	S 1
M 2	8 49 40	13°34'15	5♉41	10°59	4°18	21°43	5♎ 0	19°32	18♎41	18°45	26♉35	4♒21	4° 7	16°45	4°30	M 2
T 3	8 53 37	14°35'00	19°40	12°43	5°31	22°28	4°57	19°38	18°40	18°45	26°35	4°D21	4° 4	16°51	4°31	T 3
W 4	8 57 34	15°35'45	3♊52	14°29	6°43	23°14	4°54	19°45	18°39	18°46	26°35	4°22	4° 1	16°58	4°32	W 4
T 5	9 1 30	16°36'27	18°16	16°15	7°55	24° 0	4°51	19°51	18°39	18°46	26°35	4°23	3°58	17° 5	4°34	T 5
F 6	9 5 27	17°37'08	2♋47	18° 2	9° 7	24°46	4°48	19°58	18°38	18°47	26°35	4°24	3°55	17°11	4°35	F 6
S 7	9 9 23	18°37'47	17°21	19°50	10°19	25°31	4°44	20° 5	18°37	18°47	26°34	4°25	3°52	17°18	4°37	S 7
S 8	9 13 20	19°38'25	1♌53	21°38	11°32	26°17	4°41	20°11	18°36	18°47	26°34	4°R25	3°48	17°25	4°38	S 8
M 9	9 17 16	20°39'01	16°17	23°28	12°44	27° 3	4°37	20°18	18°35	18°48	26°D34	4°25	3°45	17°32	4°40	M 9
T 10	9 21 13	21°39'35	0♍28	25°17	13°56	27°48	4°33	20°24	18°34	18°48	26°34	4°24	3°42	17°38	4°42	T 10
W11	9 25 10	22°40'08	14°21	27° 8	15° 9	28°34	4°29	20°30	18°33	18°48	26°35	4°22	3°39	17°45	4°43	W11
T 12	9 29 6	23°40'39	27°53	28°59	16°21	29°19	4°25	20°37	18°32	18°48	26°35	4°19	3°36	17°52	4°45	T 12
F 13	9 33 3	24°41'09	11♎ 2	0♓51	17°34	0♈ 5	4°20	20°43	18°31	18°49	26°35	4°16	3°33	17°58	4°47	F 13
S 14	9 36 59	25°41'38	23°50	2°42	18°46	0°50	4°16	20°49	18°30	18°49	26°35	4°13	3°29	18° 5	4°49	S 14
S 15	9 40 56	26°42'05	6♏17	4°35	19°59	1°35	4°11	20°55	18°29	18°49	26°35	4°10	3°26	18°12	4°51	S 15
M16	9 44 52	27°42'31	18°28	6°27	21°12	2°21	4° 6	21° 2	18°27	18°49	26°35	4° 9	3°23	18°18	4°53	M16
T 17	9 48 49	28°42'56	0♐28	8°19	22°24	3° 6	4° 1	21° 8	18°26	18°49	26°35	4°D 9	3°20	18°25	4°55	T 17
W18	9 52 45	29°43'19	12°20	10°10	23°37	3°51	3°56	21°14	18°25	18°R49	26°35	4° 9	3°17	18°32	4°57	W18
T 19	9 56 42	0♓43'41	24° 9	12° 1	24°50	4°36	3°50	21°20	18°23	18°49	26°36	4°11	3°13	18°38	4°59	T 19
F 20	10 0 39	1°44'01	6♑ 2	13°51	26° 3	5°22	3°45	21°26	18°22	18°49	26°36	4°13	3°10	18°45	5° 2	F 20
S 21	10 4 35	2°44'20	18° 1	15°40	27°15	6° 7	3°39	21°32	18°20	18°49	26°36	4°14	3° 7	18°52	5° 4	S 21
S 22	10 8 32	3°44'37	0♒11	17°27	28°28	6°52	3°33	21°38	18°19	18°49	26°36	4°R15	3° 4	18°58	5° 6	S 22
M23	10 12 28	4°44'53	12°36	19°12	29°41	7°37	3°27	21°43	18°17	18°49	26°37	4°15	3° 1	19° 5	5° 9	M23
T 24	10 16 25	5°45'07	25°16	20°55	0♒54	8°22	3°21	21°49	18°16	18°49	26°37	4°13	2°58	19°12	5°11	T 24
W25	10 20 21	6°45'19	8♓14	22°34	2° 7	9° 7	3°15	21°55	18°14	18°48	26°37	4°10	2°54	19°18	5°14	W25
T 26	10 24 18	7°45'29	21°28	24°10	3°20	9°52	3° 9	22° 1	18°12	18°48	26°38	4° 5	2°51	19°25	5°16	T 26
F 27	10 28 14	8°45'37	4♈57	25°41	4°33	10°37	3° 2	22° 6	18°11	18°48	26°38	3°59	2°48	19°32	5°19	F 27
S 28	10 32 11	9♓45'44	18♈39	27♓ 8	5♒46	11♈22	2♎56	22♑12	18♎ 9	18♏48	26♉38	3♒53	2♒45	19♐39	5♉22	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s 4	13n20	5n10	19s59	2s 4	22s 2	1n25	4s11	0s39	0s39	1n29	21s57	0n 8	6s44	0n39	15s43	1n47	6n50	12s56	19s12	19s15	26s36	11n45	1s22
M 2	16 47	18 25	5 17	19 30	2 5	22 3	1 22	3 53	0 38	0 37	1 29	21 56	0 8	6 44	0 39	15 44	1 47	6 50	12 55	19 13	19 16	26 36	11 46	1 22
T 3	16 29	22 35	5 6	19 1	2 4	22 4	1 19	3 34	0 37	0 36	1 29	21 55	0 8	6 43	0 39	15 44	1 47	6 51	12 55	19 13	19 17	26 36	11 46	1 22
W 4	16 12	25 29	4 36	18 30	2 4	22 4	1 15	3 15	0 36	0 35	1 30	21 54	0 8	6 43	0 39	15 44	1 47	6 51	12 55	19 12	19 17	26 36	11 46	1 22
T 5	15 53	26 46	3 49	17 57	2 3	22 3	1 12	2 56	0 36	0 33	1 30	21 53	0 8	6 43	0 40	15 44	1 47	6 51	12 55	19 12	19 18	26 36	11 47	1 22
F 6	15 35	26 14	2 46	17 23	2 1	22 2	1 9	2 37	0 35	0 32	1 30	21 52	0 8	6 42	0 40	15 44	1 47	6 51	12 54	19 12	19 19	26 36	11 47	1 22
S 7	15 16	23 54	1 33	16 47	1 59	22 0	1 5	2 18	0 34	0 30	1 30	21 52	0 8	6 42	0 40	15 44	1 47	6 52	12 54	19 12	19 20	26 36	11 48	1 22
S 8	14 57	20 0	0 14	16 9	1 56	21 58	1 2	1 59	0 33	0 29	1 31	21 51	0 7	6 42	0 40	15 44	1 47	6 52	12 54	19 12	19 20	26 36	11 48	1 22
M 9	14 38	14 57	1s 5	15 31	1 53	21 55	0 58	1 41	0 33	0 27	1 31	21 50	0 7	6 41	0 40	15 44	1 47	6 52	12 53	19 12	19 21	26 36	11 49	1 22
T 10	14 19	9 9	2 19	14 50	1 50	21 51	0 55	1 22	0 32	0 25	1 31	21 49	0 7	6 41	0 40	15 44	1 47	6 53	12 53	19 12	19 22	26 36	11 50	1 22
W11	13 59	3 3	3 23	14 9	1 45	21 46	0 51	1 3	0 31	0 23	1 31	21 48	0 7	6 41	0 40	15 44	1 47	6 53	12 53	19 13	19 23	26 36	11 50	1 22
T 12	13 39	3s 2	4 14	13 25	1 41	21 41	0 48	0 44	0 30	0 21	1 32	21 47	0 7	6 40	0 40	15 44	1 47	6 53	12 52	19 13	19 23	26 36	11 51	1 22
F 13	13 19	8 49	4 50	12 41	1 35	21 36	0 45	0 25	0 30	0 19	1 32	21 46	0 7	6 40	0 40	15 44	1 47	6 54	12 52	19 14	19 24	26 36	11 51	1 22
S 14	12 59	14 3	5 10	11 55	1 29	21 29	0 41	0 6	0 29	0 17	1 32	21 45	0 7	6 39	0 40	15 44	1 47	6 54	12 52	19 15	19 25	26 36	11 52	1 22
S 15	12 38	18 35	5 15	11 8	1 23	21 22	0 38	0n12	0 28	0 15	1 32	21 44	0 7	6 39	0 40	15 44	1 47	6 54	12 52	19 15	19 26	26 36	11 53	1 22
M16	12 18	22 15	5 5	10 20	1 15	21 15	0 34	0 31	0 27	0 13	1 32	21 44	0 7	6 38	0 40	15 44	1 47	6 55	12 51	19 16	19 26	26 36	11 53	1 22
T 17	11 57	24 53	4 42	9 31	1 7	21 7	0 31	0 50	0 26	0 11	1 33	21 43	0 7	6 38	0 40	15 44	1 47	6 55	12 51	19 16	19 27	26 36	11 54	1 22
W18	11 36	26 25	4 8	8 41	0 59	20 58	0 28	1 9	0 26	0 9	1 33	21 42	0 7	6 37	0 40	15 44	1 48	6 55	12 51	19 15	19 28	26 36	11 55	1 22
T 19	11 14	26 44	3 23	7 50	0 49	20 48	0 24	1 27	0 25	0 6	1 33	21 41	0 7	6 37	0 40	15 44	1 48	6 56	12 50	19 15	19 29	26 36	11 55	1 22
F 20	10 53	25 50	2 29	6 58	0 40	20 38	0 21	1 46	0 24	0 4	1 33	21 40	0 7	6 36	0 40	15 44	1 48	6 56	12 50	19 15	19 29	26 36	11 56	1 22
S 21	10 31	23 44	1 28	6 6	0 29	20 28	0 18	2 4	0 23	0 2	1 33	21 39	0 7	6 35	0 40	15 44	1 48	6 56	12 50	19 14	19 30	26 36	11 57	1 22
S 22	10 9	20 31	0 22	5 14	0 18	20 17	0 14	2 23	0 23	0n 1	1 34	21 38	0 7	6 35	0 40	15 44	1 48	6 57	12 49	19 14	19 31	26 36	11 58	1 22
M23	9 47	16 20	0n46	4 23	0 6	20 5	0 11	2 42	0 22	0 3	1 34	21 37	0 6	6 34	0 40	15 44	1 48	6 57	12 49	19 14	19 31	26 36	11 58	1 22
T 24	9 25	11 21	1 53	3 31	0n 6	19 52	0 8	3 0	0 21	0 6	1 34	21 37	0 6	6 33	0 40	15 43	1 48	6 57	12 49	19 15	19 32	26 36	11 59	1 22
W25	9 3	5 48	2 55	2 40	0 19	19 39	0 4	3 18	0 20	0 9	1 34	21 36	0 6	6 33	0 40	15 43	1 48	6 58	12 49	19 15	19 33	26 36	12 0	1 22
T 26	8 41	0n 7	3 49	1 50	0 32	19 26	0 1	3 37	0 20	0 11	1 34	21 35	0 6	6 32	0 40	15 43	1 48	6 58	12 48	19 16	19 34	26 36	12 1	1 22
F 27	8 18	6 8	4 32	1 1	0 45	19 12	0s 2	3 55	0 19	0 14	1 35	21 34	0 6	6 31	0 40	15 43	1 48	6 58	12 48	19 18	19 34	26 36	12 2	1 22
S 28	7s55	11n56	5n 0	0s14	0n59	18s57	0s 5	4n13	0s18	0n17	1n35	21s33	0n 6	6s31	0n40	15s43	1n48	6n59	12s48	19s19	19s35	26s36	12n 3	1s22

Julian Day Number = 2318993.5, Delta T = 52.51 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'30, Lahiri = 18°47'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

MARCH 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 36 7	10♓45'48	2♉31	28♓30	6♒59	12♈ 7	2°R49	22♑17	18°R 7	18°R47	26♉39	3°R48	2♒42	19♐45	5♉24	S 1
M 2	10 40 4	11°45'50	16°31	29°45	8°12	12°51	2♎43	22°23	18♎ 5	18♏47	26°39	3♒44	2°38	19°52	5°27	M 2
T 3	10 44 1	12°45'50	0♊36	0♈55	9°25	13°36	2°36	22°28	18° 3	18°46	26°40	3°42	2°35	19°59	5°30	T 3
W 4	10 47 57	13°45'48	14°44	1°57	10°38	14°21	2°29	22°33	18° 1	18°46	26°40	3°D41	2°32	20° 5	5°33	W 4
T 5	10 51 54	14°45'44	28°54	2°52	11°51	15° 5	2°22	22°39	17°59	18°46	26°41	3°42	2°29	20°12	5°35	T 5
F 6	10 55 50	15°45'37	13♋ 3	3°39	13° 4	15°50	2°15	22°44	17°57	18°45	26°41	3°43	2°26	20°19	5°38	F 6
S 7	10 59 47	16°45'28	27°11	4°18	14°17	16°35	2° 7	22°49	17°55	18°45	26°42	3°R44	2°23	20°25	5°41	S 7
S 8	11 3 43	17°45'17	11♌14	4°49	15°30	17°19	2° 0	22°54	17°53	18°44	26°42	3°44	2°19	20°32	5°44	S 8
M 9	11 7 40	18°45'04	25°11	5°12	16°43	18° 3	1°53	22°59	17°51	18°43	26°43	3°42	2°16	20°39	5°47	M 9
T 10	11 11 36	19°44'48	8♍58	5°26	17°56	18°48	1°46	23° 4	17°49	18°43	26°44	3°38	2°13	20°45	5°51	T 10
W11	11 15 33	20°44'30	22°33	5°R31	19° 9	19°32	1°38	23° 9	17°47	18°42	26°44	3°32	2°10	20°52	5°54	W11
T 12	11 19 30	21°44'11	5♎52	5°28	20°23	20°17	1°31	23°13	17°44	18°41	26°45	3°24	2° 7	20°59	5°57	T 12
F 13	11 23 26	22°43'49	18°54	5°17	21°36	21° 1	1°23	23°18	17°42	18°41	26°46	3°15	2° 4	21° 5	6° 0	F 13
S 14	11 27 23	23°43'26	1♏38	4°58	22°49	21°45	1°15	23°23	17°40	18°40	26°46	3° 6	2° 0	21°12	6° 3	S 14
S 15	11 31 19	24°43'00	14° 5	4°32	24° 2	22°29	1° 8	23°27	17°38	18°39	26°47	2°58	1°57	21°19	6° 6	S 15
M16	11 35 16	25°42'33	26°17	3°59	25°15	23°13	1° 0	23°32	17°35	18°38	26°48	2°52	1°54	21°25	6°10	M16
T 17	11 39 12	26°42'04	8♐17	3°21	26°29	23°57	0°52	23°36	17°33	18°38	26°48	2°47	1°51	21°32	6°13	T 17
W18	11 43 9	27°41'34	20° 9	2°38	27°42	24°41	0°45	23°41	17°31	18°37	26°49	2°45	1°48	21°39	6°17	W18
T 19	11 47 5	28°41'01	1♑59	1°51	28°55	25°25	0°37	23°45	17°28	18°36	26°50	2°D45	1°44	21°45	6°20	T 19
F 20	11 51 2	29°40'27	13°51	1° 1	0♓ 8	26° 9	0°29	23°49	17°26	18°35	26°51	2°46	1°41	21°52	6°23	F 20
S 21	11 54 59	0♈39'51	25°51	0°10	1°22	26°53	0°21	23°53	17°23	18°34	26°52	2°47	1°38	21°59	6°27	S 21
S 22	11 58 55	1°39'13	8♒ 4	29♓17	2°35	27°37	0°14	23°57	17°21	18°33	26°52	2°R47	1°35	22° 5	6°30	S 22
M23	12 2 52	2°38'34	20°35	28°26	3°48	28°21	0° 6	24° 1	17°19	18°32	26°53	2°45	1°32	22°12	6°34	M23
T 24	12 6 48	3°37'52	3♓26	27°36	5° 1	29° 5	29♍58	24° 5	17°16	18°31	26°54	2°41	1°29	22°19	6°37	T 24
W25	12 10 45	4°37'08	16°39	26°48	6°15	29°48	29°50	24° 9	17°14	18°30	26°55	2°35	1°25	22°25	6°41	W25
T 26	12 14 41	5°36'23	0♈14	26° 3	7°28	0♉32	29°43	24°13	17°11	18°29	26°56	2°26	1°22	22°32	6°45	T 26
F 27	12 18 38	6°35'35	14° 9	25°22	8°41	1°16	29°35	24°16	17° 9	18°28	26°57	2°16	1°19	22°39	6°48	F 27
S 28	12 22 34	7°34'45	28°19	24°45	9°55	1°59	29°27	24°20	17° 6	18°27	26°58	2° 5	1°16	22°45	6°52	S 28
S 29	12 26 31	8°33'53	12♉39	24°14	11° 8	2°43	29°20	24°23	17° 4	18°26	26°59	1°55	1°13	22°52	6°56	S 29
M30	12 30 28	9°33'00	27° 3	23°47	12°21	3°26	29°12	24°27	17° 1	18°24	27° 0	1°47	1°10	22°59	6°59	M30
T 31	12 34 24	10♈32'03	11♊26	23♓26	13♓35	4♉10	29♍ 5	24♑30	16♎59	18♏23	27♉ 1	1♒42	1♒ 6	23♐ 6	7♉ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	7s33	17n14	5n11	0n31	1n13	18s42	0s 8	4n32	0s17	0n20	1n35	21s32	0n 6	6s30	0n40	15s43	1n48	6n59	12s47	19s20	19s36	26s35	12n 4	1s22	
M 2	7 10	21 39	5 3	1 14	1 27	18 26	0 11	4 50	0 17	0 22	1 35	21 32	0 6	6 29	0 40	15 43	1 48	7 0	12 47	19 21	19 37	26 35	12 4	1 22	
T 3	6 47	24 50	4 37	1 54	1 41	18 10	0 14	5 8	0 16	0 25	1 35	21 31	0 6	6 29	0 40	15 42	1 48	7 0	12 47	19 22	19 37	26 35	12 5	1 22	
W 4	6 24	26 30	3 55	2 32	1 54	17 53	0 17	5 26	0 15	0 28	1 35	21 30	0 6	6 28	0 40	15 42	1 48	7 0	12 46	19 22	19 38	26 35	12 6	1 22	
T 5	6 1	26 27	2 58	3 6	2 8	17 36	0 20	5 44	0 15	0 31	1 35	21 29	0 6	6 27	0 40	15 42	1 48	7 1	12 46	19 22	19 39	26 35	12 7	1 22	
F 6	5 38	24 40	1 50	3 36	2 21	17 18	0 23	6 2	0 14	0 34	1 35	21 28	0 6	6 26	0 40	15 42	1 48	7 1	12 46	19 22	19 39	26 35	12 8	1 22	
S 7	5 14	21 21	0 36	4 3	2 33	17 0	0 26	6 20	0 13	0 37	1 36	21 28	0 6	6 25	0 40	15 42	1 48	7 2	12 46	19 21	19 40	26 35	12 9	1 22	
S 8	4 51	16 48	0s41	4 26	2 45	16 41	0 29	6 37	0 12	0 40	1 36	21 27	0 6	6 25	0 40	15 42	1 49	7 2	12 45	19 21	19 41	26 34	12 10	1 22	
M 9	4 28	11 22	1 53	4 45	2 55	16 22	0 32	6 55	0 12	0 43	1 36	21 26	0 6	6 24	0 40	15 41	1 49	7 2	12 45	19 22	19 42	26 34	12 11	1 22	
T 10	4 4	5 28	2 59	4 59	3 5	16 2	0 35	7 13	0 11	0 46	1 36	21 25	0 5	6 23	0 40	15 41	1 49	7 3	12 45	19 23	19 42	26 34	12 12	1 22	
W11	3 41	0s36	3 53	5 9	3 13	15 42	0 37	7 30	0 10	0 49	1 36	21 25	0 5	6 22	0 40	15 41	1 49	7 3	12 45	19 24	19 43	26 34	12 13	1 22	
T 12	3 17	6 30	4 33	5 14	3 20	15 21	0 40	7 48	0 9	0 52	1 36	21 24	0 5	6 21	0 40	15 41	1 49	7 4	12 44	19 26	19 44	26 34	12 14	1 22	
F 13	2 53	12 0	4 57	5 15	3 26	15 0	0 43	8 5	0 9	0 55	1 36	21 23	0 5	6 20	0 40	15 40	1 49	7 4	12 44	19 28	19 44	26 34	12 15	1 22	
S 14	2 30	16 51	5 7	5 11	3 30	14 39	0 45	8 22	0 8	0 58	1 36	21 22	0 5	6 20	0 40	15 40	1 49	7 4	12 44	19 30	19 45	26 33	12 16	1 22	
S 15	2 6	20 53	5 1	5 3	3 32	14 17	0 48	8 39	0 7	1 1	1 36	21 22	0 5	6 19	0 40	15 40	1 49	7 5	12 43	19 32	19 46	26 33	12 17	1 23	
M16	1 43	23 55	4 42	4 51	3 33	13 55	0 50	8 56	0 7	1 4	1 36	21 21	0 5	6 18	0 40	15 40	1 49	7 5	12 43	19 34	19 47	26 33	12 18	1 23	
T 17	1 19	25 51	4 10	4 34	3 32	13 32	0 53	9 13	0 6	1 8	1 36	21 20	0 5	6 17	0 40	15 39	1 49	7 6	12 43	19 35	19 47	26 33	12 19	1 23	
W18	0 55	26 35	3 28	4 14	3 28	13 9	0 55	9 30	0 5	1 11	1 36	21 20	0 5	6 16	0 40	15 39	1 49	7 6	12 43	19 35	19 48	26 32	12 20	1 23	
T 19	0 31	26 6	2 38	3 51	3 23	12 46	0 57	9 47	0 4	1 14	1 36	21 19	0 5	6 15	0 40	15 39	1 49	7 6	12 42	19 35	19 49	26 32	12 21	1 23	
F 20	0 8	24 25	1 40	3 25	3 17	12 22	0 59	10 4	0 4	1 17	1 37	21 18	0 5	6 14	0 40	15 39	1 49	7 7	12 42	19 35	19 49	26 32	12 23	1 23	
S 21	0n16	21 38	0 37	2 56	3 8	11 58	1 1	10 20	0 3	1 20	1 37	21 18	0 5	6 13	0 40	15 38	1 49	7 7	12 42	19 35	19 50	26 32	12 24	1 23	
S 22	0 40	17 50	0n28	2 26	2 58	11 34	1 4	10 37	0 2	1 23	1 37	21 17	0 5	6 12	0 40	15 38	1 49	7 8	12 42	19 35	19 51	26 31	12 25	1 23	
M23	1 3	13 11	1 34	1 55	2 47	11 9	1 6	10 53	0 2	1 26	1 37	21 16	0 5	6 11	0 40	15 38	1 49	7 8	12 41	19 35	19 52	26 31	12 26	1 23	
T 24	1 27	7 51	2 36	1 24	2 34	10 44	1 8	11 9	0 1	1 29	1 37	21 16	0 5	6 10	0 40	15 37	1 49	7 9	12 41	19 36	19 52	26 31	12 27	1 23	
W25	1 50	2 2	3 32	0 52	2 20	10 19	1 9	11 25	0 0	1 32	1 37	21 15	0 4	6 9	0 40	15 37	1 49	7 9	12 41	19 37	19 53	26 31	12 28	1 23	
T 26	2 14	4n 1	4 17	0 21	2 6	9 53	1 11	11 41	0n 0	1 35	1 37	21 15	0 4	6 9	0 40	15 37	1 49	7 9	12 41	19 39	19 54	26 30	12 29	1 23	
F 27	2 37	10 1	4 48	0s 9	1 50	9 27	1 13	11 57	0 1	1 38	1 37	21 14	0 4	6 8	0 40	15 36	1 49	7 10	12 40	19 42	19 54	26 30	12 31	1 23	
S 28	3 1	15 36	5 2	0 38	1 35	9 1	1 15	12 13	0 2	1 41	1 36	21 13	0 4	6 7	0 40	15 36	1 49	7 10	12 40	19 44	19 55	26 30	12 32	1 23	
S 29	3 24	20 23	4 58	1 5	1 19	8 35	1 16	12 29	0 2	1 44	1 36	21 13	0 4	6 6	0 40	15 36	1 50	7 11	12 40	19 46	19 56	26 29	12 33	1 23	
M30	3 47	23 59	4 34	1 31	1 3	8 8	1 18	12 44	0 3	1 47	1 36	21 12	0 4	6 5	0 40	15 35	1 50	7 11	12 40	19 48	19 56	26 29	12 34	1 23	
T 31	4n11	26n 3	3n54	1s54	0n47	7s42	1s19	12n59	0n 4	1n50	1n36	21s12	0n 4	6s 4	0n40	15s35	1n50	7n12	12s39	19s49	19s57	26s29	12n35	1s23	

Julian Day Number = 2319021.5, Delta T = 52.46 sec
Ecliptic obliquity = 23°29'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'34, Lahiri = 18°47'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

APRIL 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 38 21	11♈31'05	25♊44	23°R10	14♓48	4♉53	28°R57	24♑33	16°R56	18°R22	27♉ 2	1°R39	1♒ 3	23♐12	7♉ 7	W 1
T 2	12 42 17	12°30'04	9♋53	23♓ 0	16° 1	5°36	28♍50	24°36	16♎53	18♏21	27° 3	1°D38	1° 0	23°19	7°11	T 2
F 3	12 46 14	13°29'01	23°54	22°D55	17°15	6°20	28°43	24°39	16°51	18°20	27° 4	1°R38	0°57	23°26	7°15	F 3
S 4	12 50 10	14°27'55	7♌44	22°56	18°28	7° 3	28°35	24°42	16°48	18°18	27° 5	1♒38	0°54	23°32	7°19	S 4
S 5	12 54 7	15°26'47	21°26	23° 2	19°41	7°46	28°28	24°45	16°46	18°17	27° 6	1°36	0°50	23°39	7°22	S 5
M 6	12 58 3	16°25'37	4♍58	23°13	20°55	8°29	28°21	24°48	16°43	18°16	27° 7	1°33	0°47	23°46	7°26	M 6
T 7	13 2 0	17°24'24	18°20	23°29	22° 8	9°12	28°14	24°51	16°41	18°14	27° 8	1°26	0°44	23°52	7°30	T 7
W 8	13 5 57	18°23'09	1♎31	23°49	23°21	9°55	28° 7	24°53	16°38	18°13	27° 9	1°17	0°41	23°59	7°34	W 8
T 9	13 9 53	19°21'52	14°31	24°15	24°35	10°38	28° 0	24°56	16°35	18°12	27°10	1° 5	0°38	24° 6	7°38	T 9
F 10	13 13 50	20°20'33	27°17	24°45	25°48	11°21	27°54	24°58	16°33	18°10	27°11	0°52	0°35	24°12	7°42	F 10
S 11	13 17 46	21°19'13	9♏50	25°18	27° 1	12° 4	27°47	25° 0	16°30	18° 9	27°12	0°39	0°31	24°19	7°46	S 11
S 12	13 21 43	22°17'50	22° 9	25°56	28°15	12°47	27°40	25° 3	16°28	18° 8	27°13	0°27	0°28	24°26	7°50	S 12
M13	13 25 39	23°16'26	4♐17	26°38	29°28	13°30	27°34	25° 5	16°25	18° 6	27°14	0°17	0°25	24°32	7°54	M13
T 14	13 29 36	24°15'00	16°14	27°23	0♈41	14°12	27°28	25° 7	16°23	18° 5	27°16	0° 9	0°22	24°39	7°58	T 14
W15	13 33 32	25°13'32	28° 5	28°12	1°55	14°55	27°22	25° 9	16°20	18° 3	27°17	0° 4	0°19	24°46	8° 2	W15
T 16	13 37 29	26°12'02	9♑54	29° 4	3° 8	15°38	27°16	25°11	16°18	18° 2	27°18	0° 2	0°15	24°52	8° 6	T 16
F 17	13 41 26	27°10'31	21°45	29°59	4°22	16°20	27°10	25°12	16°15	18° 0	27°19	0° 1	0°12	24°59	8°10	F 17
S 18	13 45 22	28° 8'58	3♒44	0♈58	5°35	17° 3	27° 4	25°14	16°13	17°59	27°20	0° 1	0° 9	25° 6	8°14	S 18
S 19	13 49 19	29° 7'24	15°57	1°59	6°48	17°46	26°58	25°16	16°10	17°57	27°22	0° 1	0° 6	25°12	8°18	S 19
M20	13 53 15	0♉ 5'48	28°28	3° 3	8° 2	18°28	26°53	25°17	16° 8	17°56	27°23	29♑59	0° 3	25°19	8°22	M20
T 21	13 57 12	1° 4'10	11♓23	4°10	9°15	19°10	26°47	25°19	16° 5	17°54	27°24	29°55	29♑59	25°26	8°26	T 21
W22	14 1 8	2° 2'30	24°43	5°19	10°28	19°53	26°42	25°20	16° 3	17°53	27°25	29°48	29°56	25°32	8°30	W22
T 23	14 5 5	3° 0'49	8♈30	6°30	11°42	20°35	26°37	25°21	16° 0	17°51	27°27	29°38	29°53	25°39	8°35	T 23
F 24	14 9 1	3°59'07	22°42	7°45	12°55	21°17	26°32	25°22	15°58	17°50	27°28	29°27	29°50	25°46	8°39	F 24
S 25	14 12 58	4°57'22	7♉14	9° 1	14° 9	22° 0	26°27	25°23	15°55	17°48	27°29	29°15	29°47	25°52	8°43	S 25
S 26	14 16 54	5°55'36	21°59	10°20	15°22	22°42	26°22	25°24	15°53	17°46	27°30	29° 4	29°44	25°59	8°47	S 26
M27	14 20 51	6°53'48	6♊48	11°40	16°35	23°24	26°18	25°25	15°51	17°45	27°32	28°55	29°41	26° 6	8°51	M27
T 28	14 24 48	7°51'58	21°34	13° 3	17°49	24° 6	26°14	25°25	15°48	17°43	27°33	28°49	29°37	26°12	8°55	T 28
W29	14 28 44	8°50'07	6♋10	14°29	19° 2	24°48	26° 9	25°26	15°46	17°42	27°34	28°45	29°34	26°19	8°59	W29
T 30	14 32 41	9♉48'13	20♋31	15♈56	20♈16	25♉30	26♍ 5	25♑27	15♎44	17♏40	27♉35	28♑44	29♑31	26♐26	9♉ 3	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n34	26n23	2n58	2s14	0n31	7s14	1s21	13n15	0n 4	1n53	1n36	21s11	0n 4	6s 3	0n40	15s34	1n50	7n12	12s39	19s50	19s58	26s28	12n36	1s23
T 2	4 57	25 0	1 53	2 33	0 16	6 47	1 22	13 30	0 5	1 56	1 36	21 11	0 4	6 2	0 40	15 34	1 50	7 12	12 39	19 50	19 59	26 28	12 38	1 23
F 3	5 20	22 3	0 41	2 48	0 1	6 20	1 24	13 45	0 6	1 59	1 36	21 10	0 4	6 1	0 40	15 34	1 50	7 13	12 39	19 50	19 59	26 28	12 39	1 23
S 4	5 43	17 51	0s32	3 2	0s14	5 52	1 25	14 0	0 6	2 2	1 36	21 10	0 4	6 0	0 40	15 33	1 50	7 13	12 39	19 50	20 0	26 27	12 40	1 23
S 5	6 6	12 46	1 43	3 12	0 28	5 24	1 26	14 14	0 7	2 5	1 36	21 10	0 4	5 59	0 40	15 33	1 50	7 14	12 38	19 51	20 1	26 27	12 41	1 23
M 6	6 28	7 7	2 47	3 20	0 41	4 57	1 27	14 29	0 8	2 7	1 36	21 9	0 4	5 58	0 40	15 33	1 50	7 14	12 38	19 51	20 1	26 26	12 42	1 23
T 7	6 51	1 14	3 40	3 26	0 54	4 28	1 28	14 43	0 8	2 10	1 36	21 9	0 4	5 57	0 40	15 32	1 50	7 15	12 38	19 53	20 2	26 26	12 44	1 23
W 8	7 13	4s36	4 21	3 29	1 7	4 0	1 29	14 58	0 9	2 13	1 36	21 8	0 3	5 56	0 40	15 32	1 50	7 15	12 38	19 55	20 3	26 26	12 45	1 24
T 9	7 36	10 9	4 48	3 29	1 18	3 32	1 30	15 12	0 10	2 15	1 36	21 8	0 3	5 55	0 40	15 31	1 50	7 15	12 38	19 57	20 3	26 25	12 46	1 24
F 10	7 58	15 11	5 0	3 27	1 29	3 3	1 31	15 26	0 10	2 18	1 36	21 8	0 3	5 54	0 40	15 31	1 50	7 16	12 37	20 0	20 4	26 25	12 47	1 24
S 11	8 20	19 28	4 57	3 23	1 39	2 35	1 31	15 40	0 11	2 21	1 35	21 7	0 3	5 53	0 40	15 31	1 50	7 16	12 37	20 3	20 5	26 24	12 48	1 24
S 12	8 42	22 50	4 40	3 17	1 49	2 6	1 32	15 53	0 12	2 23	1 35	21 7	0 3	5 52	0 40	15 30	1 50	7 17	12 37	20 6	20 5	26 24	12 50	1 24
M13	9 4	25 8	4 10	3 8	1 58	1 38	1 33	16 7	0 12	2 25	1 35	21 7	0 3	5 51	0 40	15 30	1 50	7 17	12 37	20 8	20 6	26 24	12 51	1 24
T 14	9 25	26 15	3 30	2 58	2 6	1 9	1 33	16 20	0 13	2 28	1 35	21 6	0 3	5 50	0 40	15 29	1 50	7 17	12 37	20 10	20 7	26 23	12 52	1 24
W15	9 47	26 9	2 40	2 45	2 13	0 40	1 33	16 34	0 13	2 30	1 35	21 6	0 3	5 49	0 40	15 29	1 50	7 18	12 36	20 11	20 8	26 23	12 53	1 24
T 16	10 8	24 51	1 44	2 31	2 20	0 11	1 34	16 47	0 14	2 32	1 35	21 6	0 3	5 48	0 40	15 28	1 50	7 18	12 36	20 11	20 8	26 22	12 55	1 24
F 17	10 29	22 27	0 44	2 14	2 26	0n18	1 34	17 0	0 15	2 35	1 35	21 5	0 3	5 47	0 40	15 28	1 50	7 19	12 36	20 11	20 9	26 22	12 56	1 24
S 18	10 50	19 2	0n20	1 56	2 32	0 47	1 34	17 12	0 15	2 37	1 34	21 5	0 3	5 46	0 40	15 28	1 50	7 19	12 36	20 11	20 10	26 21	12 57	1 24
S 19	11 11	14 46	1 23	1 36	2 37	1 16	1 35	17 25	0 16	2 39	1 34	21 5	0 3	5 45	0 40	15 27	1 50	7 20	12 36	20 11	20 10	26 21	12 58	1 24
M20	11 32	9 46	2 24	1 14	2 41	1 45	1 35	17 37	0 16	2 41	1 34	21 5	0 3	5 44	0 40	15 27	1 50	7 20	12 36	20 12	20 11	26 20	13 0	1 24
T 21	11 52	4 14	3 20	0 51	2 44	2 13	1 35	17 50	0 17	2 43	1 34	21 5	0 2	5 43	0 40	15 26	1 50	7 20	12 36	20 13	20 12	26 20	13 1	1 24
W22	12 12	1n40	4 7	0 26	2 47	2 42	1 35	18 2	0 18	2 45	1 34	21 5	0 2	5 42	0 40	15 26	1 50	7 21	12 35	20 14	20 12	26 19	13 2	1 24
T 23	12 32	7 40	4 41	0 0	2 49	3 11	1 34	18 14	0 18	2 47	1 34	21 4	0 2	5 41	0 40	15 25	1 50	7 21	12 35	20 16	20 13	26 19	13 3	1 25
F 24	12 52	13 27	4 58	0n28	2 51	3 40	1 34	18 25	0 19	2 49	1 33	21 4	0 2	5 41	0 40	15 25	1 50	7 22	12 35	20 18	20 14	26 18	13 5	1 25
S 25	13 12	18 38	4 58	0 57	2 52	4 9	1 34	18 37	0 19	2 50	1 33	21 4	0 2	5 40	0 40	15 24	1 50	7 22	12 35	20 21	20 14	26 18	13 6	1 25
S 26	13 31	22 45	4 37	1 27	2 53	4 37	1 34	18 48	0 20	2 52	1 33	21 4	0 2	5 39	0 40	15 24	1 50	7 22	12 35	20 23	20 15	26 17	13 7	1 25
M27	13 51	25 24	3 58	1 59	2 52	5 6	1 33	19 0	0 21	2 54	1 33	21 4	0 2	5 38	0 40	15 24	1 50	7 23	12 35	20 25	20 16	26 17	13 8	1 25
T 28	14 10	26 16	3 3	2 32	2 52	5 34	1 33	19 11	0 21	2 55	1 33	21 4	0 2	5 37	0 40	15 23	1 50	7 23	12 35	20 26	20 16	26 16	13 10	1 25
W29	14 28	25 17	1 56	3 6	2 50	6 3	1 32	19 22	0 22	2 57	1 33	21 4	0 2	5 36	0 40	15 23	1 50	7 24	12 34	20 27	20 17	26 16	13 11	1 25
T 30	14n47	22n38	0n43	3n41	2s48	6n31	1s32	19n32	0n22	2n58	1n32	21s 4	0n 2	5s35	0n40	15s22	1n50	7n24	12s34	20s27	20s18	26s15	13n12	1s25

Julian Day Number = 2319052.5, Delta T = 52.39 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'38, Lahiri = 18°47'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

MAY 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 36 37	10♉46'17	4♌36	17♈25	21♈29	26♉12	26°R 1	25♋27	15°R42	17°R38	27♉37	28°R44	29♋28	26♐32	9♉ 8	F 1
S 2	14 40 34	11°44'19	18°23	18°56	22°42	26°54	25♍58	25°27	15♎39	17♏37	27°38	28♋44	29°25	26°39	9°12	S 2
S 3	14 44 30	12°42'20	1♍54	20°30	23°56	27°36	25°54	25°28	15°37	17°35	27°39	28°42	29°21	26°46	9°16	S 3
M 4	14 48 27	13°40'18	15°11	22° 5	25° 9	28°18	25°51	25°28	15°35	17°34	27°41	28°39	29°18	26°52	9°20	M 4
T 5	14 52 23	14°38'14	28°14	23°43	26°22	28°59	25°48	25°R28	15°33	17°32	27°42	28°33	29°15	26°59	9°24	T 5
W 6	14 56 20	15°36'09	11♎ 5	25°22	27°36	29°41	25°45	25°28	15°31	17°30	27°43	28°24	29°12	27° 6	9°28	W 6
T 7	15 0 17	16°34'02	23°45	27° 4	28°49	0♊23	25°42	25°27	15°29	17°29	27°45	28°13	29° 9	27°12	9°32	T 7
F 8	15 4 13	17°31'53	6♏13	28°47	0♉ 3	1° 4	25°39	25°27	15°26	17°27	27°46	28° 1	29° 6	27°19	9°36	F 8
S 9	15 8 10	18°29'43	18°32	0♉32	1°16	1°46	25°37	25°27	15°24	17°25	27°47	27°49	29° 2	27°26	9°40	S 9
S 10	15 12 6	19°27'31	0♐41	2°20	2°29	2°28	25°35	25°26	15°22	17°24	27°49	27°37	28°59	27°32	9°44	S 10
M11	15 16 3	20°25'18	12°41	4° 9	3°43	3° 9	25°32	25°26	15°20	17°22	27°50	27°28	28°56	27°39	9°49	M11
T 12	15 19 59	21°23'04	24°34	6° 1	4°56	3°51	25°30	25°25	15°19	17°21	27°51	27°21	28°53	27°46	9°53	T 12
W13	15 23 56	22°20'48	6♋23	7°55	6° 9	4°32	25°29	25°24	15°17	17°19	27°53	27°16	28°50	27°52	9°57	W13
T 14	15 27 52	23°18'32	18°10	9°50	7°23	5°13	25°27	25°23	15°15	17°17	27°54	27°14	28°47	27°59	10° 1	T 14
F 15	15 31 49	24°16'14	0♒ 1	11°48	8°36	5°55	25°26	25°23	15°13	17°16	27°56	27°D13	28°43	28° 6	10° 5	F 15
S 16	15 35 46	25°13'54	12° 0	13°47	9°50	6°36	25°24	25°21	15°11	17°14	27°57	27°14	28°40	28°12	10° 9	S 16
S 17	15 39 42	26°11'34	24°11	15°48	11° 3	7°17	25°23	25°20	15° 9	17°13	27°58	27°R15	28°37	28°19	10°13	S 17
M18	15 43 39	27° 9'13	6♓41	17°51	12°16	7°58	25°23	25°19	15° 8	17°11	28° 0	27°14	28°34	28°26	10°17	M18
T 19	15 47 35	28° 6'51	19°33	19°56	13°30	8°40	25°22	25°18	15° 6	17° 9	28° 1	27°12	28°31	28°32	10°21	T 19
W20	15 51 32	29° 4'27	2♈53	22° 2	14°43	9°21	25°21	25°16	15° 5	17° 8	28° 2	27° 8	28°27	28°39	10°25	W20
T 21	15 55 28	0♊ 2'03	16°41	24°10	15°57	10° 2	25°21	25°15	15° 3	17° 6	28° 4	27° 1	28°24	28°46	10°29	T 21
F 22	15 59 25	0°59'38	0♉57	26°19	17°10	10°43	25°D21	25°13	15° 1	17° 5	28° 5	26°54	28°21	28°52	10°33	F 22
S 23	16 3 21	1°57'12	15°37	28°29	18°23	11°24	25°21	25°12	15° 0	17° 3	28° 6	26°45	28°18	28°59	10°37	S 23
S 24	16 7 18	2°54'45	0♊36	0♊40	19°37	12° 5	25°21	25°10	14°58	17° 1	28° 8	26°37	28°15	29° 6	10°40	S 24
M25	16 11 15	3°52'17	15°42	2°52	20°50	12°46	25°22	25° 8	14°57	17° 0	28° 9	26°30	28°12	29°12	10°44	M25
T 26	16 15 11	4°49'48	0♋48	5° 4	22° 4	13°27	25°22	25° 6	14°56	16°58	28°10	26°26	28° 8	29°19	10°48	T 26
W27	16 19 8	5°47'17	15°43	7°16	23°17	14° 7	25°23	25° 4	14°54	16°57	28°12	26°24	28° 5	29°26	10°52	W27
T 28	16 23 4	6°44'46	0♌21	9°27	24°31	14°48	25°24	25° 2	14°53	16°55	28°13	26°D23	28° 2	29°32	10°56	T 28
F 29	16 27 1	7°42'13	14°38	11°39	25°44	15°29	25°25	25° 0	14°52	16°54	28°15	26°24	27°59	29°39	11° 0	F 29
S 30	16 30 57	8°39'38	28°32	13°50	26°58	16°10	25°26	24°57	14°51	16°52	28°16	26°25	27°56	29°46	11° 4	S 30
S 31	16 34 54	9♊37'03	12♍ 4	15♊59	28♉11	16♊50	25♍28	24♋55	14♎49	16♏51	28♉17	26°R25	27♋53	29♐52	11♉ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15n 5	18n39	0s31	4n18	2s46	6n59	1s31	19n43	0n23	3n 0	1n32	21s 4	0n 2	5s34	0n40	15s22	1n50	7n24	12s34	20s27	20s18	26s15	13n13	1s25
S 2	15 23	13 44	1 42	4 55	2 43	7 27	1 30	19 53	0 24	3 1	1 32	21 4	0 2	5 34	0 40	15 21	1 50	7 25	12 34	20 27	20 19	26 14	13 14	1 25
S 3	15 41	8 14	2 46	5 34	2 39	7 55	1 29	20 3	0 24	3 2	1 32	21 4	0 2	5 33	0 40	15 21	1 50	7 25	12 34	20 28	20 20	26 13	13 16	1 25
M 4	15 58	2 28	3 40	6 13	2 35	8 23	1 29	20 13	0 25	3 3	1 31	21 4	0 1	5 32	0 40	15 20	1 50	7 25	12 34	20 28	20 20	26 13	13 17	1 25
T 5	16 16	3s17	4 21	6 53	2 30	8 50	1 28	20 23	0 25	3 4	1 31	21 4	0 1	5 31	0 40	15 20	1 50	7 26	12 34	20 30	20 21	26 12	13 18	1 26
W 6	16 33	8 48	4 48	7 35	2 25	9 18	1 27	20 33	0 26	3 5	1 31	21 4	0 1	5 30	0 40	15 19	1 50	7 26	12 34	20 31	20 22	26 12	13 19	1 26
T 7	16 49	13 53	5 1	8 17	2 20	9 45	1 26	20 42	0 26	3 6	1 31	21 4	0 1	5 30	0 40	15 19	1 50	7 27	12 34	20 34	20 22	26 11	13 21	1 26
F 8	17 6	18 19	4 59	8 59	2 13	10 11	1 24	20 51	0 27	3 7	1 31	21 4	0 1	5 29	0 40	15 19	1 50	7 27	12 34	20 36	20 23	26 10	13 22	1 26
S 9	17 22	21 54	4 42	9 42	2 7	10 38	1 23	21 0	0 27	3 8	1 30	21 5	0 1	5 28	0 40	15 18	1 50	7 27	12 33	20 38	20 24	26 10	13 23	1 26
S 10	17 38	24 28	4 14	10 26	1 59	11 5	1 22	21 9	0 28	3 8	1 30	21 5	0 1	5 27	0 40	15 18	1 50	7 28	12 33	20 41	20 24	26 9	13 24	1 26
M11	17 53	25 54	3 34	11 11	1 52	11 31	1 21	21 18	0 29	3 9	1 30	21 5	0 1	5 27	0 40	15 17	1 50	7 28	12 33	20 43	20 25	26 9	13 25	1 26
T 12	18 9	26 7	2 45	11 55	1 44	11 57	1 19	21 26	0 29	3 10	1 30	21 5	0 1	5 26	0 40	15 17	1 50	7 28	12 33	20 44	20 25	26 8	13 26	1 26
W13	18 24	25 9	1 49	12 40	1 35	12 22	1 18	21 34	0 30	3 10	1 29	21 5	0 1	5 25	0 40	15 16	1 50	7 29	12 33	20 45	20 26	26 7	13 28	1 26
T 14	18 38	23 3	0 48	13 26	1 26	12 48	1 17	21 42	0 30	3 11	1 29	21 6	0 1	5 24	0 40	15 16	1 50	7 29	12 33	20 45	20 27	26 7	13 29	1 26
F 15	18 53	19 57	0n15	14 11	1 17	13 13	1 15	21 50	0 31	3 11	1 29	21 6	0 1	5 24	0 40	15 15	1 50	7 29	12 33	20 45	20 27	26 6	13 30	1 27
S 16	19 7	15 59	1 18	14 56	1 7	13 37	1 14	21 58	0 31	3 11	1 29	21 6	0 0	5 23	0 40	15 15	1 50	7 30	12 33	20 45	20 28	26 5	13 31	1 27
S 17	19 20	11 18	2 19	15 41	0 57	14 2	1 12	22 5	0 32	3 11	1 28	21 6	0 0	5 22	0 40	15 15	1 50	7 30	12 33	20 45	20 29	26 5	13 32	1 27
M18	19 34	6 4	3 15	16 26	0 47	14 26	1 10	22 13	0 32	3 11	1 28	21 7	0 0	5 22	0 40	15 14	1 50	7 30	12 33	20 45	20 29	26 4	13 33	1 27
T 19	19 47	0 25	4 3	17 10	0 37	14 50	1 9	22 20	0 33	3 12	1 28	21 7	0 0	5 21	0 39	15 14	1 50	7 31	12 33	20 46	20 30	26 3	13 35	1 27
W20	20 0	5n25	4 39	17 53	0 26	15 13	1 7	22 27	0 33	3 11	1 28	21 7	0 0	5 21	0 39	15 13	1 50	7 31	12 33	20 47	20 31	26 3	13 36	1 27
T 21	20 12	11 12	5 1	18 36	0 16	15 36	1 5	22 33	0 34	3 11	1 28	21 8	0 0	5 20	0 39	15 13	1 50	7 31	12 33	20 48	20 31	26 2	13 37	1 27
F 22	20 24	16 35	5 5	19 17	0 5	15 59	1 3	22 40	0 34	3 11	1 27	21 8	0s 0	5 19	0 39	15 12	1 50	7 32	12 33	20 49	20 32	26 1	13 38	1 27
S 23	20 36	21 10	4 50	19 57	0n 5	16 21	1 2	22 46	0 35	3 11	1 27	21 8	0 0	5 19	0 39	15 12	1 50	7 32	12 33	20 51	20 33	26 0	13 39	1 27
S 24	20 47	24 27	4 14	20 36	0 16	16 43	1 0	22 52	0 35	3 11	1 27	21 9	0 0	5 18	0 39	15 12	1 50	7 32	12 33	20 52	20 33	26 0	13 40	1 27
M25	20 58	26 3	3 21	21 12	0 26	17 4	0 58	22 58	0 36	3 10	1 27	21 9	0 0	5 18	0 39	15 11	1 50	7 32	12 33	20 54	20 34	25 59	13 41	1 28
T 26	21 9	25 42	2 13	21 47	0 36	17 25	0 56	23 3	0 36	3 10	1 26	21 10	0 0	5 17	0 39	15 11	1 50	7 33	12 33	20 55	20 35	25 58	13 42	1 28
W27	21 19	23 30	0 57	22 20	0 46	17 46	0 54	23 9	0 37	3 9	1 26	21 10	0 0	5 17	0 39	15 10	1 50	7 33	12 33	20 55	20 35	25 58	13 43	1 28
T 28	21 29	19 46	0s21	22 50	0 56	18 6	0 52	23 14	0 37	3 9	1 26	21 11	0 1	5 16	0 39	15 10	1 50	7 33	12 33	20 55	20 36	25 57	13 45	1 28
F 29	21 38	14 56	1 37	23 18	1 5	18 26	0 50	23 19	0 38	3 8	1 26	21 11	0 1	5 16	0 39	15 9	1 50	7 34	12 33	20 55	20 36	25 56	13 46	1 28
S 30	21 47	9 26	2 45	23 43	1 13	18 45	0 48	23 24	0 38	3 7	1 25	21 12	0 1	5 16	0 39	15 9	1 50	7 34	12 33	20 55	20 37	25 55	13 47	1 28
S 31	21n56	3n38	3s41	24n 5	1n21	19n 3	0s45	23n29	0n39	3n 6	1n25	21s12	0s 1	5s15	0n39	15s 9	1n50	7n34	12s33	20s55	20s38	25s55	13n48	1s28

Julian Day Number = 2319082.5, Delta T = 52.33 sec
Ecliptic obliquity = 23°29'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'42, Lahiri = 18°47'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

JUNE 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 38 51	10♊34'26	25♍15	18♊ 8	29♉24	17♊31	25♍29	24°R53	14°R48	16°R49	28♉19	26°R24	27♑49	29♐59	11♉11	M 1
T 2	16 42 47	11°31'48	8♎ 9	20°15	0♊38	18°12	25°31	24♑50	14♎47	16♏48	28°20	26♑21	27°46	0♑ 6	11°15	T 2
W 3	16 46 44	12°29'09	20°47	22°20	1°51	18°52	25°33	24°47	14°46	16°47	28°21	26°17	27°43	0°12	11°18	W 3
T 4	16 50 40	13°26'29	3♏13	24°24	3° 5	19°33	25°35	24°45	14°45	16°45	28°23	26°10	27°40	0°19	11°22	T 4
F 5	16 54 37	14°23'48	15°28	26°25	4°18	20°13	25°38	24°42	14°45	16°44	28°24	26° 3	27°37	0°26	11°26	F 5
S 6	16 58 33	15°21'07	27°33	28°25	5°32	20°53	25°40	24°39	14°44	16°42	28°25	25°55	27°33	0°32	11°29	S 6
S 7	17 2 30	16°18'24	9♐32	0♋23	6°45	21°34	25°43	24°36	14°43	16°41	28°26	25°49	27°30	0°39	11°33	S 7
M 8	17 6 26	17°15'41	21°25	2°18	7°59	22°14	25°46	24°33	14°42	16°40	28°28	25°43	27°27	0°46	11°36	M 8
T 9	17 10 23	18°12'57	3♑15	4°11	9°12	22°55	25°49	24°30	14°41	16°38	28°29	25°39	27°24	0°52	11°40	T 9
W10	17 14 20	19°10'13	15° 3	6° 2	10°26	23°35	25°52	24°27	14°41	16°37	28°30	25°37	27°21	0°59	11°43	W10
T 11	17 18 16	20° 7'28	26°52	7°50	11°39	24°15	25°55	24°24	14°40	16°36	28°32	25°D36	27°18	1° 6	11°47	T 11
F 12	17 22 13	21° 4'43	8♒45	9°36	12°53	24°55	25°59	24°20	14°40	16°34	28°33	25°37	27°14	1°12	11°50	F 12
S 13	17 26 9	22° 1'57	20°46	11°20	14° 6	25°35	26° 3	24°17	14°39	16°33	28°34	25°38	27°11	1°19	11°54	S 13
S 14	17 30 6	22°59'11	2♓59	13° 1	15°20	26°16	26° 7	24°14	14°39	16°32	28°35	25°40	27° 8	1°26	11°57	S 14
M15	17 34 2	23°56'25	15°29	14°40	16°33	26°56	26°11	24°10	14°38	16°31	28°37	25°41	27° 5	1°32	12° 0	M15
T 16	17 37 59	24°53'38	28°19	16°17	17°47	27°36	26°15	24° 7	14°38	16°29	28°38	25°R41	27° 2	1°39	12° 4	T 16
W17	17 41 55	25°50'52	11♈34	17°51	19° 0	28°16	26°19	24° 3	14°38	16°28	28°39	25°40	26°59	1°46	12° 7	W17
T 18	17 45 52	26°48'05	25°16	19°22	20°14	28°56	26°24	24° 0	14°37	16°27	28°40	25°38	26°55	1°52	12°10	T 18
F 19	17 49 49	27°45'19	9♉26	20°51	21°28	29°36	26°28	23°56	14°37	16°26	28°42	25°35	26°52	1°59	12°13	F 19
S 20	17 53 45	28°42'32	24° 1	22°18	22°41	0♋16	26°33	23°52	14°37	16°25	28°43	25°31	26°49	2° 6	12°17	S 20
S 21	17 57 42	29°39'46	8♊58	23°42	23°55	0°56	26°38	23°48	14°37	16°24	28°44	25°28	26°46	2°12	12°20	S 21
M22	18 1 38	0♋36'59	24° 7	25° 4	25° 9	1°35	26°43	23°44	14°D37	16°23	28°45	25°25	26°43	2°19	12°23	M22
T 23	18 5 35	1°34'12	9♋19	26°23	26°22	2°15	26°48	23°41	14°37	16°22	28°46	25°23	26°39	2°25	12°26	T 23
W24	18 9 31	2°31'25	24°26	27°39	27°36	2°55	26°54	23°37	14°37	16°21	28°48	25°D23	26°36	2°32	12°29	W24
T 25	18 13 28	3°28'38	9♌17	28°53	28°49	3°35	26°59	23°33	14°37	16°20	28°49	25°23	26°33	2°39	12°32	T 25
F 26	18 17 24	4°25'50	23°47	0♌ 3	0♋ 3	4°15	27° 5	23°29	14°37	16°19	28°50	25°24	26°30	2°45	12°35	F 26
S 27	18 21 21	5°23'02	7♍53	1°11	1°17	4°54	27°11	23°25	14°38	16°18	28°51	25°25	26°27	2°52	12°38	S 27
S 28	18 25 18	6°20'13	21°32	2°17	2°30	5°34	27°17	23°20	14°38	16°17	28°52	25°27	26°24	2°59	12°40	S 28
M29	18 29 14	7°17'24	4♎47	3°19	3°44	6°14	27°23	23°16	14°38	16°16	28°53	25°R27	26°20	3° 5	12°43	M29
T 30	18 33 11	8♋14'35	17♎40	4♌18	4♋58	6♋53	27♍29	23♑12	14♎39	16♏15	28♉54	25♑27	26♑17	3♑12	12♉46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 5	2s10	4s25	24n25	1n28	19n22	0s43	23n33	0n39	3n 6	1n25	21s13	0s 1	5s15	0n39	15s 8	1n50	7n34	12s33	20s55	20s38	25s54	13n49	1s28
T 2	22 13	7 44	4 54	24 42	1 35	19 39	0 41	23 37	0 40	3 5	1 25	21 13	0 1	5 14	0 39	15 8	1 50	7 35	12 33	20 55	20 39	25 53	13 50	1 29
W 3	22 20	12 53	5 7	24 56	1 41	19 56	0 39	23 41	0 40	3 4	1 24	21 14	0 1	5 14	0 39	15 8	1 50	7 35	12 33	20 56	20 40	25 52	13 51	1 29
T 4	22 28	17 24	5 7	25 8	1 46	20 13	0 37	23 45	0 41	3 2	1 24	21 14	0 1	5 14	0 39	15 7	1 50	7 35	12 33	20 58	20 40	25 51	13 52	1 29
F 5	22 34	21 9	4 52	25 17	1 50	20 29	0 34	23 48	0 41	3 1	1 24	21 15	0 1	5 13	0 39	15 7	1 50	7 35	12 33	20 59	20 41	25 51	13 53	1 29
S 6	22 41	23 56	4 24	25 23	1 54	20 45	0 32	23 52	0 41	3 0	1 24	21 16	0 1	5 13	0 39	15 6	1 50	7 36	12 33	21 0	20 41	25 50	13 54	1 29
S 7	22 47	25 37	3 44	25 26	1 57	21 0	0 30	23 55	0 42	2 59	1 23	21 16	0 1	5 13	0 39	15 6	1 50	7 36	12 33	21 2	20 42	25 49	13 55	1 29
M 8	22 53	26 7	2 55	25 28	2 0	21 14	0 27	23 58	0 42	2 57	1 23	21 17	0 1	5 13	0 39	15 6	1 50	7 36	12 33	21 3	20 43	25 48	13 56	1 29
T 9	22 58	25 26	1 59	25 26	2 1	21 28	0 25	24 1	0 43	2 56	1 23	21 17	0 2	5 12	0 39	15 5	1 50	7 36	12 33	21 3	20 43	25 47	13 57	1 30
W10	23 3	23 35	0 57	25 23	2 2	21 41	0 23	24 3	0 43	2 54	1 23	21 18	0 2	5 12	0 39	15 5	1 50	7 36	12 33	21 4	20 44	25 46	13 58	1 30
T 11	23 7	20 43	0n 7	25 17	2 2	21 53	0 20	24 5	0 44	2 53	1 22	21 19	0 2	5 12	0 39	15 5	1 50	7 37	12 33	21 4	20 45	25 46	13 59	1 30
F 12	23 11	16 58	1 11	25 9	2 1	22 5	0 18	24 7	0 44	2 51	1 22	21 19	0 2	5 12	0 39	15 4	1 50	7 37	12 33	21 4	20 45	25 45	13 59	1 30
S 13	23 15	12 30	2 13	24 59	2 0	22 17	0 16	24 9	0 45	2 50	1 22	21 20	0 2	5 12	0 39	15 4	1 50	7 37	12 33	21 3	20 46	25 44	14 0	1 30
S 14	23 18	7 28	3 10	24 48	1 58	22 28	0 13	24 11	0 45	2 48	1 22	21 21	0 2	5 11	0 39	15 4	1 50	7 37	12 33	21 3	20 46	25 43	14 1	1 30
M15	23 21	2 3	4 0	24 35	1 55	22 38	0 11	24 13	0 45	2 46	1 21	21 21	0 2	5 11	0 39	15 3	1 50	7 37	12 34	21 3	20 47	25 42	14 2	1 30
T 16	23 23	3n36	4 39	24 20	1 51	22 47	0 8	24 14	0 46	2 44	1 21	21 22	0 2	5 11	0 38	15 3	1 49	7 38	12 34	21 3	20 48	25 41	14 3	1 31
W17	23 25	9 15	5 4	24 4	1 47	22 56	0 6	24 15	0 46	2 42	1 21	21 23	0 2	5 11	0 38	15 3	1 49	7 38	12 34	21 3	20 48	25 40	14 4	1 31
T 18	23 27	14 39	5 14	23 47	1 42	23 4	0 4	24 16	0 47	2 40	1 21	21 24	0 2	5 11	0 38	15 3	1 49	7 38	12 34	21 3	20 49	25 39	14 5	1 31
F 19	23 28	19 28	5 5	23 28	1 37	23 11	0 1	24 16	0 47	2 38	1 20	21 24	0 2	5 11	0 38	15 2	1 49	7 38	12 34	21 4	20 50	25 39	14 5	1 31
S 20	23 29	23 16	4 36	23 8	1 31	23 18	0n 1	24 17	0 48	2 36	1 20	21 25	0 3	5 11	0 38	15 2	1 49	7 38	12 34	21 5	20 50	25 38	14 6	1 31
S 21	23 29	25 36	3 48	22 47	1 24	23 24	0 4	24 17	0 48	2 34	1 20	21 26	0 3	5 11	0 38	15 2	1 49	7 38	12 34	21 5	20 51	25 37	14 7	1 31
M22	23 29	26 5	2 44	22 26	1 17	23 30	0 6	24 17	0 48	2 32	1 20	21 26	0 3	5 11	0 38	15 1	1 49	7 38	12 34	21 6	20 51	25 36	14 8	1 31
T 23	23 29	24 37	1 27	22 3	1 9	23 35	0 8	24 17	0 49	2 29	1 20	21 27	0 3	5 11	0 38	15 1	1 49	7 39	12 34	21 6	20 52	25 35	14 9	1 32
W24	23 28	21 22	0 5	21 40	1 1	23 39	0 11	24 16	0 49	2 27	1 19	21 28	0 3	5 11	0 38	15 1	1 49	7 39	12 34	21 6	20 53	25 34	14 9	1 32
T 25	23 26	16 45	1s16	21 17	0 52	23 42	0 13	24 16	0 50	2 25	1 19	21 29	0 3	5 11	0 38	15 1	1 49	7 39	12 35	21 6	20 53	25 33	14 10	1 32
F 26	23 25	11 15	2 30	20 53	0 43	23 45	0 15	24 15	0 50	2 22	1 19	21 30	0 3	5 11	0 38	15 1	1 49	7 39	12 35	21 6	20 54	25 32	14 11	1 32
S 27	23 23	5 20	3 34	20 28	0 33	23 47	0 18	24 14	0 50	2 20	1 19	21 30	0 3	5 11	0 38	15 0	1 49	7 39	12 35	21 6	20 54	25 31	14 12	1 32
S 28	23 20	0s40	4 23	20 3	0 22	23 48	0 20	24 13	0 51	2 17	1 18	21 31	0 3	5 12	0 38	15 0	1 49	7 39	12 35	21 6	20 55	25 30	14 12	1 32
M29	23 17	6 26	4 56	19 38	0 12	23 48	0 22	24 11	0 51	2 14	1 18	21 32	0 3	5 12	0 38	15 0	1 49	7 39	12 35	21 6	20 56	25 29	14 13	1 33
T 30	23n14	11s46	5s13	19n14	0n 0	23n48	0n25	24n10	0n51	2n12	1n18	21s33	0s 3	5s12	0n38	15s 0	1n49	7n39	12s35	21s 6	20s56	25s28	14n14	1s33

Julian Day Number = 2319113.5, Delta T = 52.27 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'46, Lahiri = 18°47'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

JULY 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 37 7	9♋11'46	0♏13	5♌14	6♋12	7♋33	27♍36	23°R 8	14♎39	16°R14	28♉55	25°R26	26♑14	3♑19	12♉49	W 1
T 2	18 41 4	10° 8'57	12°32	6° 7	7°25	8°12	27°42	23♑ 4	14°39	16♏14	28°56	25♑24	26°11	3°25	12°51	T 2
F 3	18 45 0	11° 6'07	24°38	6°56	8°39	8°52	27°49	22°59	14°40	16°13	28°58	25°22	26° 8	3°32	12°54	F 3
S 4	18 48 57	12° 3'18	6♐35	7°42	9°53	9°31	27°56	22°55	14°41	16°12	28°59	25°20	26° 5	3°39	12°57	S 4
S 5	18 52 53	13° 0'28	18°27	8°24	11° 7	10°11	28° 3	22°51	14°41	16°11	29° 0	25°18	26° 1	3°45	12°59	S 5
M 6	18 56 50	13°57'39	0♑16	9° 2	12°20	10°50	28°10	22°46	14°42	16°11	29° 1	25°17	25°58	3°52	13° 2	M 6
T 7	19 0 47	14°54'50	12° 5	9°36	13°34	11°29	28°17	22°42	14°43	16°10	29° 2	25°16	25°55	3°59	13° 4	T 7
W 8	19 4 43	15°52'01	23°55	10° 7	14°48	12° 9	28°24	22°38	14°44	16° 9	29° 3	25°D16	25°52	4° 5	13° 6	W 8
T 9	19 8 40	16°49'13	5♒49	10°33	16° 2	12°48	28°32	22°33	14°44	16° 9	29° 4	25°16	25°49	4°12	13° 9	T 9
F 10	19 12 36	17°46'24	17°50	10°54	17°15	13°27	28°39	22°29	14°45	16° 8	29° 5	25°17	25°45	4°19	13°11	F 10
S 11	19 16 33	18°43'37	29°59	11°12	18°29	14° 7	28°47	22°25	14°46	16° 8	29° 6	25°17	25°42	4°25	13°13	S 11
S 12	19 20 29	19°40'50	12♓20	11°24	19°43	14°46	28°55	22°20	14°47	16° 7	29° 6	25°18	25°39	4°32	13°15	S 12
M13	19 24 26	20°38'03	24°55	11°32	20°57	15°25	29° 3	22°16	14°48	16° 7	29° 7	25°18	25°36	4°39	13°18	M13
T 14	19 28 23	21°35'17	7♈48	11°R35	22°11	16° 4	29°11	22°11	14°49	16° 6	29° 8	25°19	25°33	4°45	13°20	T 14
W15	19 32 19	22°32'32	21° 1	11°33	23°25	16°43	29°19	22° 7	14°51	16° 6	29° 9	25°R19	25°30	4°52	13°22	W15
T 16	19 36 16	23°29'48	4♉37	11°27	24°39	17°22	29°27	22° 2	14°52	16° 5	29°10	25°19	25°26	4°59	13°24	T 16
F 17	19 40 12	24°27'05	18°36	11°15	25°52	18° 2	29°35	21°58	14°53	16° 5	29°11	25°19	25°23	5° 5	13°26	F 17
S 18	19 44 9	25°24'23	2♊58	10°58	27° 6	18°41	29°44	21°54	14°54	16° 5	29°12	25°D19	25°20	5°12	13°28	S 18
S 19	19 48 5	26°21'42	17°40	10°37	28°20	19°20	29°53	21°49	14°56	16° 4	29°13	25°19	25°17	5°19	13°29	S 19
M20	19 52 2	27°19'01	2♋37	10°11	29°34	19°59	0♎ 1	21°45	14°57	16° 4	29°13	25°19	25°14	5°25	13°31	M20
T 21	19 55 58	28°16'22	17°41	9°41	0♌48	20°38	0°10	21°40	14°59	16° 4	29°14	25°19	25°11	5°32	13°33	T 21
W22	19 59 55	29°13'43	2♌45	9° 7	2° 2	21°17	0°19	21°36	15° 0	16° 4	29°15	25°R19	25° 7	5°39	13°35	W22
T 23	20 3 52	0♌11'05	17°38	8°30	3°16	21°56	0°28	21°32	15° 2	16° 3	29°16	25°19	25° 4	5°45	13°36	T 23
F 24	20 7 48	1° 8'27	2♍15	7°50	4°30	22°34	0°37	21°27	15° 3	16° 3	29°16	25°18	25° 1	5°52	13°38	F 24
S 25	20 11 45	2° 5'50	16°28	7° 7	5°44	23°13	0°47	21°23	15° 5	16° 3	29°17	25°18	24°58	5°58	13°39	S 25
S 26	20 15 41	3° 3'14	0♎15	6°23	6°58	23°52	0°56	21°19	15° 7	16° 3	29°18	25°17	24°55	6° 5	13°41	S 26
M27	20 19 38	4° 0'38	13°36	5°37	8°12	24°31	1° 5	21°14	15° 8	16° 3	29°18	25°16	24°51	6°12	13°42	M27
T 28	20 23 34	4°58'03	26°33	4°52	9°26	25°10	1°15	21°10	15°10	16°D 3	29°19	25°15	24°48	6°18	13°43	T 28
W29	20 27 31	5°55'29	9♏ 7	4° 7	10°40	25°49	1°25	21° 6	15°12	16° 3	29°20	25°D15	24°45	6°25	13°45	W29
T 30	20 31 27	6°52'55	21°23	3°24	11°54	26°27	1°34	21° 2	15°14	16° 3	29°20	25°16	24°42	6°32	13°46	T 30
F 31	20 35 24	7♌50'23	3♐26	2♌44	13♌ 8	27♋ 6	1♎44	20♑58	15♎16	16♏ 3	29♉21	25♑17	24♑39	6♑38	13♉47	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n10	16s29	5s15	18n49	0s12	23n47	0n27	24n 8	0n52	2n 9	1n18	21s33	0s 4	5s12	0n38	14s59	1n49	7n40	12s35	21s 6	20s57	25s27	14n14	1s33
T 2	23 6	20 25	5 2	18 24	0 24	23 46	0 29	24 6	0 52	2 6	1 18	21 34	0 4	5 12	0 38	14 59	1 49	7 40	12 35	21 6	20 57	25 26	14 15	1 33
F 3	23 1	23 25	4 36	18 0	0 36	23 44	0 31	24 4	0 53	2 3	1 17	21 35	0 4	5 13	0 38	14 59	1 49	7 40	12 36	21 6	20 58	25 25	14 16	1 33
S 4	22 56	25 22	3 58	17 35	0 49	23 41	0 34	24 2	0 53	2 0	1 17	21 36	0 4	5 13	0 38	14 59	1 49	7 40	12 36	21 7	20 59	25 24	14 16	1 33
S 5	22 51	26 8	3 10	17 12	1 2	23 37	0 36	23 59	0 53	1 57	1 17	21 37	0 4	5 13	0 38	14 59	1 49	7 40	12 36	21 7	20 59	25 23	14 17	1 34
M 6	22 45	25 43	2 14	16 49	1 16	23 32	0 38	23 56	0 54	1 54	1 17	21 38	0 4	5 14	0 38	14 59	1 49	7 40	12 36	21 7	21 0	25 22	14 17	1 34
T 7	22 39	24 8	1 12	16 26	1 30	23 27	0 40	23 53	0 54	1 51	1 16	21 38	0 4	5 14	0 38	14 59	1 48	7 40	12 36	21 8	21 0	25 21	14 18	1 34
W 8	22 33	21 29	0 7	16 5	1 44	23 22	0 42	23 50	0 54	1 48	1 16	21 39	0 4	5 14	0 38	14 58	1 48	7 40	12 36	21 8	21 1	25 20	14 19	1 34
T 9	22 26	17 55	0n58	15 44	1 58	23 15	0 44	23 47	0 55	1 45	1 16	21 40	0 4	5 15	0 38	14 58	1 48	7 40	12 36	21 8	21 2	25 19	14 19	1 34
F 10	22 18	13 35	2 2	15 25	2 12	23 8	0 46	23 43	0 55	1 42	1 16	21 41	0 4	5 15	0 38	14 58	1 48	7 40	12 37	21 7	21 2	25 18	14 20	1 34
S 11	22 11	8 40	3 1	15 6	2 26	23 0	0 48	23 40	0 56	1 39	1 16	21 42	0 4	5 15	0 37	14 58	1 48	7 40	12 37	21 7	21 3	25 17	14 20	1 35
S 12	22 2	3 22	3 53	14 49	2 41	22 52	0 50	23 36	0 56	1 35	1 15	21 42	0 5	5 16	0 37	14 58	1 48	7 40	12 37	21 7	21 3	25 16	14 21	1 35
M13	21 54	2n10	4 34	14 33	2 55	22 42	0 52	23 32	0 56	1 32	1 15	21 43	0 5	5 16	0 37	14 58	1 48	7 40	12 37	21 7	21 4	25 15	14 21	1 35
T 14	21 45	7 44	5 3	14 19	3 9	22 32	0 54	23 27	0 57	1 29	1 15	21 44	0 5	5 17	0 37	14 58	1 48	7 40	12 37	21 7	21 4	25 14	14 22	1 35
W15	21 36	13 6	5 17	14 7	3 22	22 22	0 56	23 23	0 57	1 25	1 15	21 45	0 5	5 17	0 37	14 58	1 48	7 40	12 37	21 7	21 5	25 13	14 22	1 35
T 16	21 26	18 0	5 14	13 56	3 36	22 11	0 57	23 18	0 57	1 22	1 15	21 46	0 5	5 18	0 37	14 58	1 48	7 40	12 38	21 7	21 6	25 12	14 22	1 35
F 17	21 16	22 4	4 52	13 47	3 48	21 59	0 59	23 13	0 58	1 18	1 15	21 46	0 5	5 18	0 37	14 58	1 48	7 40	12 38	21 7	21 6	25 11	14 23	1 36
S 18	21 6	24 54	4 12	13 40	4 0	21 46	1 1	23 8	0 58	1 15	1 14	21 47	0 5	5 19	0 37	14 58	1 48	7 40	12 38	21 7	21 7	25 10	14 23	1 36
S 19	20 55	26 8	3 14	13 35	4 11	21 33	1 2	23 3	0 58	1 11	1 14	21 48	0 5	5 19	0 37	14 58	1 48	7 40	12 38	21 7	21 7	25 8	14 24	1 36
M20	20 44	25 31	2 3	13 32	4 22	21 19	1 4	22 58	0 59	1 7	1 14	21 49	0 5	5 20	0 37	14 58	1 48	7 40	12 38	21 7	21 8	25 7	14 24	1 36
T 21	20 33	23 1	0 42	13 31	4 31	21 5	1 6	22 52	0 59	1 4	1 14	21 50	0 5	5 21	0 37	14 58	1 48	7 40	12 39	21 7	21 9	25 6	14 24	1 36
W22	20 21	18 55	0s41	13 32	4 39	20 50	1 7	22 47	0 59	1 0	1 14	21 50	0 5	5 21	0 37	14 58	1 48	7 40	12 39	21 7	21 9	25 5	14 25	1 37
T 23	20 9	13 39	2 1	13 35	4 45	20 35	1 9	22 41	1 0	0 56	1 13	21 51	0 5	5 22	0 37	14 58	1 48	7 40	12 39	21 7	21 10	25 4	14 25	1 37
F 24	19 57	7 43	3 11	13 40	4 50	20 18	1 10	22 35	1 0	0 52	1 13	21 52	0 6	5 22	0 37	14 58	1 47	7 40	12 39	21 7	21 10	25 3	14 25	1 37
S 25	19 44	1 33	4 7	13 48	4 53	20 2	1 11	22 28	1 0	0 48	1 13	21 53	0 6	5 23	0 37	14 58	1 47	7 40	12 39	21 7	21 11	25 2	14 25	1 37
S 26	19 31	4s30	4 48	13 57	4 55	19 44	1 13	22 22	1 1	0 45	1 13	21 53	0 6	5 24	0 37	14 58	1 47	7 40	12 40	21 7	21 11	25 1	14 26	1 37
M27	19 17	10 9	5 11	14 8	4 55	19 26	1 14	22 16	1 1	0 41	1 13	21 54	0 6	5 25	0 37	14 58	1 47	7 40	12 40	21 8	21 12	24 59	14 26	1 38
T 28	19 4	15 11	5 17	14 21	4 53	19 8	1 15	22 9	1 1	0 37	1 13	21 55	0 6	5 25	0 37	14 58	1 47	7 40	12 40	21 8	21 13	24 58	14 26	1 38
W29	18 50	19 25	5 8	14 35	4 49	18 49	1 16	22 2	1 1	0 33	1 12	21 56	0 6	5 26	0 37	14 58	1 47	7 40	12 40	21 8	21 13	24 57	14 26	1 38
T 30	18 35	22 43	4 45	14 50	4 44	18 29	1 17	21 55	1 2	0 29	1 12	21 56	0 6	5 27	0 37	14 58	1 47	7 40	12 40	21 8	21 14	24 56	14 27	1 38
F 31	18n21	24s58	4s10	15n 6	4s37	18n 9	1n18	21n48	1n 2	0n25	1n12	21s57	0s 6	5s28	0n37	14s58	1n47	7n39	12s41	21s 7	21s14	24s55	14n27	1s38

Julian Day Number = 2319143.5, Delta T = 52.21 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'50, Lahiri = 18°47'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

AUGUST 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 39 21	8♌47'51	15♐20	2°R 6	14♌22	27♋45	1♎54	20°R53	15♎18	16♏ 3	29♉22	25♑18	24♑36	6♑45	13♉48	S 1
S 2	20 43 17	9°45'19	27°10	1♌33	15°37	28°23	2° 4	20♑49	15°20	16° 3	29°22	25°19	24°32	6°52	13°49	S 2
M 3	20 47 14	10°42'49	8♑58	1° 4	16°51	29° 2	2°14	20°45	15°22	16° 3	29°23	25°20	24°29	6°58	13°50	M 3
T 4	20 51 10	11°40'20	20°48	0°40	18° 5	29°41	2°24	20°41	15°24	16° 4	29°23	25°R21	24°26	7° 5	13°51	T 4
W 5	20 55 7	12°37'52	2♒44	0°23	19°19	0♌19	2°35	20°37	15°26	16° 4	29°24	25°21	24°23	7°12	13°52	W 5
T 6	20 59 3	13°35'24	14°47	0°11	20°33	0°58	2°45	20°33	15°28	16° 4	29°24	25°20	24°20	7°18	13°53	T 6
F 7	21 3 0	14°32'58	27° 0	0°D 6	21°47	1°37	2°56	20°30	15°31	16° 4	29°25	25°18	24°17	7°25	13°53	F 7
S 8	21 6 56	15°30'33	9♓23	0° 8	23° 1	2°15	3° 6	20°26	15°33	16° 5	29°25	25°15	24°13	7°32	13°54	S 8
S 9	21 10 53	16°28'10	21°59	0°18	24°15	2°54	3°17	20°22	15°35	16° 5	29°26	25°12	24°10	7°38	13°55	S 9
M10	21 14 50	17°25'48	4♈48	0°34	25°29	3°32	3°27	20°18	15°38	16° 6	29°26	25° 9	24° 7	7°45	13°55	M10
T 11	21 18 46	18°23'27	17°51	0°58	26°44	4°11	3°38	20°15	15°40	16° 6	29°26	25° 6	24° 4	7°52	13°56	T 11
W12	21 22 43	19°21'08	1♉10	1°29	27°58	4°49	3°49	20°11	15°43	16° 6	29°27	25° 4	24° 1	7°58	13°56	W12
T 13	21 26 39	20°18'51	14°45	2° 7	29°12	5°27	4° 0	20° 8	15°45	16° 7	29°27	25°D 3	23°57	8° 5	13°57	T 13
F 14	21 30 36	21°16'36	28°37	2°52	0♍26	6° 6	4°11	20° 4	15°48	16° 8	29°28	25° 3	23°54	8°12	13°57	F 14
S 15	21 34 32	22°14'22	12♊45	3°45	1°40	6°44	4°22	20° 1	15°50	16° 8	29°28	25° 4	23°51	8°18	13°57	S 15
S 16	21 38 29	23°12'10	27° 9	4°44	2°54	7°23	4°33	19°57	15°53	16° 9	29°28	25° 5	23°48	8°25	13°57	S 16
M17	21 42 25	24°10'00	11♋45	5°50	4° 9	8° 1	4°44	19°54	15°55	16° 9	29°28	25° 6	23°45	8°31	13°58	M17
T 18	21 46 22	25° 7'51	26°29	7° 2	5°23	8°39	4°55	19°51	15°58	16°10	29°29	25°R 7	23°42	8°38	13°58	T 18
W19	21 50 19	26° 5'44	11♌15	8°20	6°37	9°18	5° 7	19°48	16° 1	16°11	29°29	25° 6	23°38	8°45	13°R58	W19
T 20	21 54 15	27° 3'38	25°57	9°43	7°51	9°56	5°18	19°45	16° 4	16°11	29°29	25° 4	23°35	8°51	13°58	T 20
F 21	21 58 12	28° 1'34	10♍27	11°12	9° 5	10°34	5°30	19°42	16° 6	16°12	29°29	25° 0	23°32	8°58	13°57	F 21
S 22	22 2 8	28°59'32	24°38	12°45	10°20	11°12	5°41	19°39	16° 9	16°13	29°29	24°55	23°29	9° 5	13°57	S 22
S 23	22 6 5	29°57'31	8♎27	14°23	11°34	11°51	5°53	19°36	16°12	16°14	29°30	24°49	23°26	9°11	13°57	S 23
M24	22 10 1	0♍55'31	21°51	16° 4	12°48	12°29	6° 4	19°33	16°15	16°15	29°30	24°44	23°22	9°18	13°57	M24
T 25	22 13 58	1°53'33	4♏50	17°49	14° 2	13° 7	6°16	19°30	16°18	16°15	29°30	24°40	23°19	9°25	13°56	T 25
W26	22 17 54	2°51'36	17°27	19°36	15°17	13°45	6°28	19°28	16°21	16°16	29°30	24°37	23°16	9°31	13°56	W26
T 27	22 21 51	3°49'41	29°44	21°26	16°31	14°23	6°40	19°25	16°24	16°17	29°30	24°D36	23°13	9°38	13°55	T 27
F 28	22 25 48	4°47'47	11♐47	23°18	17°45	15° 2	6°51	19°23	16°27	16°18	29°30	24°36	23°10	9°45	13°55	F 28
S 29	22 29 44	5°45'54	23°40	25°11	18°59	15°40	7° 3	19°20	16°30	16°19	29°R30	24°37	23° 7	9°51	13°54	S 29
S 30	22 33 41	6°44'03	5♑29	27° 6	20°14	16°18	7°15	19°18	16°33	16°20	29°30	24°39	23° 3	9°58	13°54	S 30
M31	22 37 37	7♍42'14	17♑18	29♌ 1	21♍28	16♌56	7♎27	19♑16	16♎36	16♏21	29♉30	24♑40	23♑ 0	10♑ 5	13♉53	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 6	26s 3	3s24	15n23	4s28	17n49	1n19	21n40	1n 2	0n21	1n12	21s58	0s 6	5s28	0n37	14s58	1n47	7n39	12s41	21s 7	21s15	24s54	14n27	1s38
S 2	17 51	25 57	2 30	15 40	4 17	17 28	1 20	21 33	1 3	0 16	1 12	21 59	0 6	5 29	0 37	14 58	1 47	7 39	12 41	21 7	21 15	24 52	14 27	1 39
M 3	17 35	24 40	1 29	15 58	4 6	17 6	1 21	21 25	1 3	0 12	1 12	21 59	0 6	5 30	0 37	14 58	1 47	7 39	12 41	21 7	21 16	24 51	14 27	1 39
T 4	17 19	22 17	0 25	16 16	3 52	16 44	1 22	21 17	1 3	0 8	1 12	22 0	0 6	5 31	0 37	14 58	1 47	7 39	12 41	21 7	21 17	24 50	14 27	1 39
W 5	17 3	18 56	0n41	16 33	3 38	16 22	1 22	21 9	1 4	0 4	1 11	22 1	0 7	5 32	0 37	14 58	1 47	7 39	12 42	21 7	21 17	24 49	14 27	1 39
T 6	16 47	14 45	1 45	16 50	3 23	15 59	1 23	21 1	1 4	0s 0	1 11	22 1	0 7	5 33	0 37	14 59	1 47	7 39	12 42	21 7	21 18	24 48	14 27	1 39
F 7	16 30	9 56	2 46	17 7	3 7	15 36	1 24	20 53	1 4	0 5	1 11	22 2	0 7	5 33	0 36	14 59	1 47	7 39	12 42	21 7	21 18	24 46	14 27	1 40
S 8	16 13	4 40	3 40	17 22	2 51	15 12	1 24	20 45	1 4	0 9	1 11	22 3	0 7	5 34	0 36	14 59	1 47	7 39	12 42	21 8	21 19	24 45	14 27	1 40
S 9	15 56	0n51	4 24	17 37	2 34	14 48	1 25	20 36	1 5	0 13	1 11	22 3	0 7	5 35	0 36	14 59	1 47	7 38	12 43	21 8	21 19	24 44	14 27	1 40
M10	15 38	6 25	4 55	17 50	2 17	14 23	1 25	20 27	1 5	0 18	1 11	22 4	0 7	5 36	0 36	14 59	1 46	7 38	12 43	21 9	21 20	24 43	14 27	1 40
T 11	15 21	11 49	5 12	18 2	2 0	13 58	1 25	20 18	1 5	0 22	1 11	22 4	0 7	5 37	0 36	14 59	1 46	7 38	12 43	21 9	21 20	24 41	14 27	1 40
W12	15 3	16 47	5 13	18 12	1 43	13 33	1 26	20 9	1 5	0 27	1 10	22 5	0 7	5 38	0 36	15 0	1 46	7 38	12 43	21 10	21 21	24 40	14 27	1 41
T 13	14 45	21 0	4 56	18 20	1 26	13 7	1 26	20 0	1 6	0 31	1 10	22 6	0 7	5 39	0 36	15 0	1 46	7 38	12 43	21 10	21 22	24 39	14 27	1 41
F 14	14 26	24 9	4 22	18 26	1 9	12 41	1 26	19 51	1 6	0 36	1 10	22 6	0 7	5 40	0 36	15 0	1 46	7 38	12 44	21 10	21 22	24 38	14 27	1 41
S 15	14 8	25 53	3 32	18 30	0 52	12 15	1 26	19 42	1 6	0 40	1 10	22 7	0 7	5 41	0 36	15 0	1 46	7 38	12 44	21 10	21 23	24 36	14 27	1 41
S 16	13 49	25 55	2 28	18 32	0 37	11 48	1 26	19 32	1 7	0 45	1 10	22 7	0 7	5 42	0 36	15 0	1 46	7 37	12 44	21 10	21 23	24 35	14 27	1 41
M17	13 30	24 10	1 13	18 31	0 21	11 21	1 26	19 22	1 7	0 49	1 10	22 8	0 8	5 43	0 36	15 1	1 46	7 37	12 44	21 9	21 24	24 34	14 27	1 42
T 18	13 10	20 47	0s 8	18 27	0 6	10 53	1 26	19 13	1 7	0 54	1 10	22 9	0 8	5 44	0 36	15 1	1 46	7 37	12 45	21 9	21 24	24 33	14 26	1 42
W19	12 51	16 2	1 27	18 20	0n 8	10 26	1 26	19 3	1 7	0 58	1 10	22 9	0 8	5 45	0 36	15 1	1 46	7 37	12 45	21 9	21 25	24 31	14 26	1 42
T 20	12 31	10 22	2 41	18 11	0 21	9 58	1 26	18 53	1 8	1 3	1 9	22 10	0 8	5 47	0 36	15 1	1 46	7 37	12 45	21 10	21 25	24 30	14 26	1 42
F 21	12 11	4 14	3 43	17 59	0 33	9 30	1 25	18 43	1 8	1 8	1 9	22 10	0 8	5 48	0 36	15 2	1 46	7 36	12 45	21 11	21 26	24 29	14 26	1 42
S 22	11 51	1s59	4 29	17 44	0 45	9 1	1 25	18 32	1 8	1 12	1 9	22 11	0 8	5 49	0 36	15 2	1 46	7 36	12 46	21 11	21 26	24 27	14 26	1 43
S 23	11 31	7 56	4 59	17 26	0 55	8 32	1 24	18 22	1 8	1 17	1 9	22 11	0 8	5 50	0 36	15 2	1 46	7 36	12 46	21 12	21 27	24 26	14 25	1 43
M24	11 10	13 20	5 11	17 5	1 5	8 3	1 24	18 11	1 9	1 22	1 9	22 12	0 8	5 51	0 36	15 3	1 46	7 36	12 46	21 13	21 28	24 25	14 25	1 43
T 25	10 49	17 58	5 7	16 41	1 13	7 34	1 23	18 1	1 9	1 26	1 9	22 12	0 8	5 52	0 36	15 3	1 46	7 36	12 46	21 14	21 28	24 23	14 25	1 43
W26	10 28	21 40	4 47	16 15	1 21	7 5	1 23	17 50	1 9	1 31	1 9	22 12	0 8	5 53	0 36	15 3	1 46	7 35	12 47	21 15	21 29	24 22	14 24	1 43
T 27	10 7	24 17	4 15	15 46	1 27	6 35	1 22	17 39	1 9	1 36	1 9	22 13	0 8	5 55	0 36	15 4	1 45	7 35	12 47	21 15	21 29	24 21	14 24	1 44
F 28	9 46	25 45	3 32	15 14	1 33	6 6	1 21	17 28	1 9	1 41	1 9	22 13	0 8	5 56	0 36	15 4	1 45	7 35	12 47	21 15	21 30	24 19	14 24	1 44
S 29	9 25	26 0	2 41	14 41	1 37	5 36	1 20	17 17	1 10	1 46	1 8	22 14	0 8	5 57	0 36	15 4	1 45	7 35	12 47	21 15	21 30	24 18	14 23	1 44
S 30	9 3	25 5	1 42	14 5	1 41	5 6	1 19	17 6	1 10	1 50	1 8	22 14	0 9	5 58	0 36	15 5	1 45	7 35	12 47	21 14	21 31	24 17	14 23	1 44
M31	8n42	23s 2	0s40	13n28	1n44	4n36	1n18	16n54	1n10	1s55	1n 8	22s15	0s 9	5s59	0n36	15s 5	1n45	7n34	12s48	21s14	21s31	24s15	14n23	1s44

Julian Day Number = 2319174.5, Delta T = 52.15 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'55, Lahiri = 18°47'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

SEPTEMBER 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 41 34	8♍40'26	29♉11	0♍57	22♍42	17♌34	7♎39	19°R14	16♎39	16♏22	29°R30	24°R40	22♉57	10♉11	13°R52	T 1
W 2	22 45 30	9°38'39	11♒14	2°53	23°56	18°12	7°52	19♉12	16°42	16°24	29♑30	24♉39	22°54	10°18	13♑51	W 2
T 3	22 49 27	10°36'55	23°27	4°48	25°11	18°50	8° 4	19°10	16°46	16°25	29°30	24°35	22°51	10°25	13°50	T 3
F 4	22 53 23	11°35'12	5♓55	6°44	26°25	19°28	8°16	19° 8	16°49	16°26	29°30	24°30	22°48	10°31	13°49	F 4
S 5	22 57 20	12°33'30	18°36	8°39	27°39	20° 6	8°28	19° 6	16°52	16°27	29°30	24°22	22°44	10°38	13°48	S 5
S 6	23 1 17	13°31'51	1♈33	10°34	28°53	20°44	8°40	19° 4	16°55	16°28	29°29	24°14	22°41	10°44	13°47	S 6
M 7	23 5 13	14°30'13	14°43	12°28	0♎ 8	21°22	8°53	19° 3	16°59	16°29	29°29	24° 5	22°38	10°51	13°46	M 7
T 8	23 9 10	15°28'38	28° 6	14°21	1°22	22° 0	9° 5	19° 1	17° 2	16°31	29°29	23°57	22°35	10°58	13°45	T 8
W 9	23 13 6	16°27'05	11♉40	16°13	2°36	22°38	9°18	19° 0	17° 5	16°32	29°29	23°51	22°32	11° 4	13°44	W 9
T 10	23 17 3	17°25'34	25°24	18° 4	3°50	23°15	9°30	18°59	17° 9	16°33	29°29	23°46	22°28	11°11	13°42	T 10
F 11	23 20 59	18°24'05	9♊18	19°55	5° 4	23°53	9°43	18°57	17°12	16°35	29°28	23°44	22°25	11°18	13°41	F 11
S 12	23 24 56	19°22'38	23°20	21°44	6°19	24°31	9°55	18°56	17°16	16°36	29°28	23°D44	22°22	11°24	13°40	S 12
S 13	23 28 52	20°21'14	7♋29	23°33	7°33	25° 9	10° 8	18°55	17°19	16°38	29°28	23°45	22°19	11°31	13°38	S 13
M14	23 32 49	21°19'52	21°45	25°20	8°47	25°47	10°20	18°54	17°23	16°39	29°27	23°R45	22°16	11°38	13°37	M14
T 15	23 36 46	22°18'32	6♌ 6	27° 7	10° 1	26°25	10°33	18°54	17°26	16°41	29°27	23°45	22°13	11°44	13°35	T 15
W16	23 40 42	23°17'14	20°27	28°52	11°16	27° 2	10°46	18°53	17°30	16°42	29°27	23°42	22° 9	11°51	13°33	W16
T 17	23 44 39	24°15'59	4♍45	0♎37	12°30	27°40	10°58	18°52	17°33	16°44	29°26	23°37	22° 6	11°58	13°32	T 17
F 18	23 48 35	25°14'45	18°56	2°20	13°44	28°18	11°11	18°52	17°37	16°45	29°26	23°29	22° 3	12° 4	13°30	F 18
S 19	23 52 32	26°13'34	2♎53	4° 3	14°58	28°56	11°24	18°51	17°40	16°47	29°26	23°19	22° 0	12°11	13°28	S 19
S 20	23 56 28	27°12'24	16°32	5°44	16°13	29°33	11°36	18°51	17°44	16°48	29°25	23° 8	21°57	12°17	13°26	S 20
M21	0 0 25	28°11'17	29°51	7°25	17°27	0♍11	11°49	18°51	17°47	16°50	29°25	22°58	21°54	12°24	13°24	M21
T 22	0 4 21	29°10'11	12♏48	9° 5	18°41	0°49	12° 2	18°50	17°51	16°51	29°24	22°48	21°50	12°31	13°22	T 22
W23	0 8 18	0♎ 9'07	25°24	10°43	19°55	1°27	12°15	18°D50	17°55	16°53	29°24	22°41	21°47	12°37	13°20	W23
T 24	0 12 14	1° 8'05	7♐42	12°21	21°10	2° 4	12°28	18°50	17°58	16°55	29°23	22°36	21°44	12°44	13°18	T 24
F 25	0 16 11	2° 7'05	19°44	13°58	22°24	2°42	12°41	18°51	18° 2	16°57	29°23	22°33	21°41	12°51	13°16	F 25
S 26	0 20 8	3° 6'07	1♑37	15°34	23°38	3°19	12°54	18°51	18° 6	16°58	29°22	22°D33	21°38	12°57	13°14	S 26
S 27	0 24 4	4° 5'10	13°26	17°10	24°52	3°57	13° 7	18°51	18° 9	17° 0	29°22	22°33	21°34	13° 4	13°12	S 27
M28	0 28 1	5° 4'15	25°15	18°44	26° 6	4°35	13°19	18°52	18°13	17° 2	29°21	22°R33	21°31	13°11	13°10	M28
T 29	0 31 57	6° 3'22	7♒11	20°18	27°21	5°12	13°32	18°52	18°17	17° 4	29°20	22°32	21°28	13°17	13° 7	T 29
W30	0 35 54	7♎ 2'31	19♒18	21♎51	28♎35	5♍50	13♎45	18♑53	18♎20	17♏ 5	29♑20	22♑29	21♑25	13♑24	13♑ 5	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n20	19s58	0n24	12n49	1n46	4n 5	1n17	16n43	1n10	2s 0	1n 8	22s15	0s 9	6s 1	0n36	15s 5	1n45	7n34	12s48	21s14	21s32	24s14	14n22	1s45
W 2	7 58	16 1	1 28	12 8	1 47	3 35	1 16	16 32	1 11	2 5	1 8	22 15	0 9	6 2	0 36	15 6	1 45	7 34	12 48	21 14	21 32	24 13	14 22	1 45
T 3	7 36	11 23	2 29	11 26	1 48	3 4	1 15	16 20	1 11	2 10	1 8	22 16	0 9	6 3	0 36	15 6	1 45	7 34	12 48	21 15	21 33	24 11	14 21	1 45
F 4	7 14	6 12	3 24	10 43	1 48	2 34	1 14	16 8	1 11	2 15	1 8	22 16	0 9	6 4	0 36	15 6	1 45	7 33	12 49	21 16	21 33	24 10	14 21	1 45
S 5	6 52	0 41	4 10	9 59	1 47	2 3	1 13	15 56	1 11	2 20	1 8	22 16	0 9	6 6	0 36	15 7	1 45	7 33	12 49	21 17	21 34	24 8	14 20	1 45
S 6	6 29	4n57	4 43	9 15	1 45	1 32	1 11	15 44	1 11	2 25	1 8	22 17	0 9	6 7	0 36	15 7	1 45	7 33	12 49	21 19	21 34	24 7	14 20	1 46
M 7	6 7	10 27	5 3	8 29	1 43	1 1	1 10	15 32	1 12	2 29	1 8	22 17	0 9	6 8	0 36	15 8	1 45	7 33	12 49	21 20	21 35	24 6	14 19	1 46
T 8	5 44	15 34	5 6	7 43	1 40	0 30	1 9	15 20	1 12	2 34	1 8	22 17	0 9	6 9	0 36	15 8	1 45	7 32	12 50	21 22	21 36	24 4	14 19	1 46
W 9	5 21	19 59	4 52	6 57	1 37	0s 1	1 7	15 8	1 12	2 39	1 8	22 17	0 9	6 11	0 36	15 8	1 45	7 32	12 50	21 23	21 36	24 3	14 18	1 46
T 10	4 59	23 23	4 21	6 10	1 34	0 32	1 5	14 56	1 12	2 44	1 7	22 18	0 9	6 12	0 36	15 9	1 45	7 32	12 50	21 23	21 37	24 1	14 18	1 46
F 11	4 36	25 26	3 35	5 23	1 30	1 3	1 4	14 43	1 12	2 49	1 7	22 18	0 9	6 13	0 36	15 9	1 45	7 31	12 50	21 24	21 37	24 0	14 17	1 47
S 12	4 13	25 55	2 36	4 36	1 26	1 34	1 2	14 31	1 13	2 54	1 7	22 18	0 9	6 15	0 35	15 10	1 45	7 31	12 50	21 24	21 38	23 58	14 16	1 47
S 13	3 50	24 42	1 26	3 48	1 21	2 5	1 0	14 18	1 13	2 59	1 7	22 18	0 10	6 16	0 35	15 10	1 45	7 31	12 51	21 24	21 38	23 57	14 16	1 47
M14	3 27	21 54	0 11	3 1	1 16	2 36	0 59	14 6	1 13	3 4	1 7	22 19	0 10	6 17	0 35	15 11	1 44	7 31	12 51	21 24	21 39	23 56	14 15	1 47
T 15	3 3	17 44	1s 6	2 14	1 11	3 7	0 57	13 53	1 13	3 9	1 7	22 19	0 10	6 19	0 35	15 11	1 44	7 30	12 51	21 24	21 39	23 54	14 15	1 47
W16	2 40	12 31	2 18	1 27	1 5	3 37	0 55	13 40	1 13	3 14	1 7	22 19	0 10	6 20	0 35	15 12	1 44	7 30	12 51	21 24	21 40	23 53	14 14	1 47
T 17	2 17	6 40	3 21	0 40	0 59	4 8	0 53	13 27	1 14	3 19	1 7	22 19	0 10	6 22	0 35	15 12	1 44	7 30	12 52	21 25	21 40	23 51	14 13	1 48
F 18	1 54	0 33	4 11	0s 7	0 53	4 39	0 51	13 15	1 14	3 24	1 7	22 19	0 10	6 23	0 35	15 13	1 44	7 30	12 52	21 26	21 41	23 50	14 12	1 48
S 19	1 30	5s30	4 45	0 54	0 47	5 10	0 49	13 2	1 14	3 29	1 7	22 19	0 10	6 24	0 35	15 13	1 44	7 29	12 52	21 28	21 41	23 48	14 12	1 48
S 20	1 7	11 9	5 1	1 40	0 41	5 40	0 47	12 48	1 14	3 34	1 7	22 19	0 10	6 26	0 35	15 14	1 44	7 29	12 52	21 30	21 42	23 47	14 11	1 48
M21	0 43	16 8	5 1	2 26	0 34	6 11	0 45	12 35	1 14	3 40	1 7	22 20	0 10	6 27	0 35	15 14	1 44	7 29	12 52	21 32	21 42	23 45	14 10	1 48
T 22	0 20	20 14	4 45	3 11	0 28	6 41	0 42	12 22	1 15	3 45	1 7	22 20	0 10	6 28	0 35	15 15	1 44	7 28	12 53	21 33	21 43	23 44	14 10	1 49
W23	0s 4	23 17	4 16	3 56	0 21	7 11	0 40	12 9	1 15	3 50	1 7	22 20	0 10	6 30	0 35	15 15	1 44	7 28	12 53	21 35	21 43	23 42	14 9	1 49
T 24	0 27	25 10	3 35	4 41	0 14	7 41	0 38	11 55	1 15	3 55	1 7	22 20	0 10	6 31	0 35	15 16	1 44	7 28	12 53	21 35	21 44	23 41	14 8	1 49
F 25	0 51	25 50	2 45	5 25	0 7	8 11	0 36	11 42	1 15	4 0	1 7	22 20	0 10	6 33	0 35	15 16	1 44	7 27	12 53	21 36	21 44	23 39	14 7	1 49
S 26	1 14	25 18	1 49	6 9	0s 0	8 41	0 33	11 29	1 15	4 5	1 7	22 20	0 10	6 34	0 35	15 17	1 44	7 27	12 53	21 36	21 45	23 38	14 6	1 49
S 27	1 38	23 37	0 48	6 52	0 7	9 10	0 31	11 15	1 15	4 10	1 7	22 20	0 10	6 35	0 35	15 17	1 44	7 27	12 54	21 36	21 45	23 36	14 6	1 49
M28	2 1	20 54	0n14	7 34	0 14	9 39	0 29	11 1	1 16	4 15	1 7	22 20	0 11	6 37	0 35	15 18	1 44	7 27	12 54	21 36	21 46	23 35	14 5	1 50
T 29	2 25	17 16	1 17	8 17	0 21	10 8	0 26	10 48	1 16	4 20	1 6	22 20	0 11	6 38	0 35	15 18	1 44	7 26	12 54	21 36	21 46	23 33	14 4	1 50
W30	2s48	12s54	2n17	8s58	0s28	10s37	0n24	10n34	1n16	4s25	1n 6	22s20	0s11	6s40	0n35	15s19	1n44	7n26	12s54	21s36	21s47	23s32	14n 3	1s50

Julian Day Number = 2319205.5, Delta T = 52.08 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°40'59, Lahiri = 18°47'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

OCTOBER 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 39 50	8♎ 1'42	1♓40	23♎23	29♎49	6♍27	13♎58	18♑54	18♎24	17♏ 7	29°R19	22°R24	21♑22	13♑31	13°R 3	T 1
F 2	0 43 47	9° 0'54	14°20	24°54	1♏ 3	7° 5	14°11	18°55	18°28	17° 9	29♉18	22♑15	21°19	13°37	13♉ 0	F 2
S 3	0 47 43	10° 0'09	27°19	26°25	2°17	7°42	14°24	18°55	18°32	17°11	29°18	22° 5	21°15	13°44	12°58	S 3
S 4	0 51 40	10°59'25	10♈37	27°54	3°31	8°20	14°37	18°57	18°35	17°13	29°17	21°53	21°12	13°51	12°55	S 4
M 5	0 55 37	11°58'44	24°12	29°23	4°46	8°57	14°50	18°58	18°39	17°15	29°16	21°40	21° 9	13°57	12°53	M 5
T 6	0 59 33	12°58'04	8♉ 0	0♏51	6° 0	9°35	15° 3	18°59	18°43	17°17	29°16	21°28	21° 6	14° 4	12°50	T 6
W 7	1 3 30	13°57'27	21°59	2°18	7°14	10°12	15°16	19° 0	18°47	17°19	29°15	21°19	21° 3	14°10	12°47	W 7
T 8	1 7 26	14°56'52	6♊ 4	3°45	8°28	10°49	15°29	19° 2	18°50	17°21	29°14	21°12	20°59	14°17	12°45	T 8
F 9	1 11 23	15°56'20	20°11	5°11	9°42	11°27	15°42	19° 3	18°54	17°23	29°13	21° 8	20°56	14°24	12°42	F 9
S 10	1 15 19	16°55'50	4♋18	6°36	10°56	12° 4	15°55	19° 5	18°58	17°24	29°13	21° 6	20°53	14°30	12°39	S 10
S 11	1 19 16	17°55'22	18°25	7°59	12°10	12°42	16° 8	19° 7	19° 2	17°27	29°12	21° 6	20°50	14°37	12°37	S 11
M12	1 23 12	18°54'57	2♌29	9°23	13°24	13°19	16°21	19° 8	19° 6	17°29	29°11	21° 6	20°47	14°44	12°34	M12
T 13	1 27 9	19°54'34	16°31	10°45	14°38	13°56	16°35	19°10	19° 9	17°31	29°10	21° 4	20°44	14°50	12°31	T 13
W14	1 31 6	20°54'13	0♍29	12° 6	15°53	14°34	16°48	19°12	19°13	17°33	29° 9	21° 0	20°40	14°57	12°28	W14
T 15	1 35 2	21°53'54	14°21	13°26	17° 7	15°11	17° 1	19°15	19°17	17°35	29° 8	20°54	20°37	15° 4	12°25	T 15
F 16	1 38 59	22°53'38	28° 5	14°45	18°21	15°48	17°14	19°17	19°21	17°37	29° 8	20°44	20°34	15°10	12°22	F 16
S 17	1 42 55	23°53'23	11♎39	16° 2	19°35	16°25	17°27	19°19	19°24	17°39	29° 7	20°32	20°31	15°17	12°20	S 17
S 18	1 46 52	24°53'11	25° 0	17°19	20°49	17° 3	17°40	19°21	19°28	17°41	29° 6	20°19	20°28	15°24	12°17	S 18
M19	1 50 48	25°53'01	8♏ 4	18°34	22° 3	17°40	17°53	19°24	19°32	17°43	29° 5	20° 6	20°25	15°30	12°14	M19
T 20	1 54 45	26°52'53	20°51	19°48	23°17	18°17	18° 6	19°27	19°36	17°45	29° 4	19°54	20°21	15°37	12°11	T 20
W21	1 58 41	27°52'46	3♐21	20°59	24°31	18°54	18°18	19°29	19°39	17°47	29° 3	19°44	20°18	15°44	12° 8	W21
T 22	2 2 38	28°52'42	15°35	22°10	25°45	19°31	18°31	19°32	19°43	17°49	29° 2	19°37	20°15	15°50	12° 5	T 22
F 23	2 6 35	29°52'39	27°35	23°18	26°59	20° 9	18°44	19°35	19°47	17°52	29° 1	19°33	20°12	15°57	12° 2	F 23
S 24	2 10 31	0♏52'38	9♑27	24°23	28°13	20°46	18°57	19°38	19°51	17°54	29° 0	19°31	20° 9	16° 3	11°58	S 24
S 25	2 14 28	1°52'38	21°15	25°27	29°27	21°23	19°10	19°41	19°54	17°56	28°59	19°D30	20° 5	16°10	11°55	S 25
M26	2 18 24	2°52'41	3♒ 3	26°27	0♐41	22° 0	19°23	19°44	19°58	17°58	28°58	19°R31	20° 2	16°17	11°52	M26
T 27	2 22 21	3°52'44	14°58	27°25	1°55	22°37	19°36	19°47	20° 2	18° 0	28°57	19°30	19°59	16°23	11°49	T 27
W28	2 26 17	4°52'50	27° 6	28°19	3° 9	23°14	19°49	19°51	20° 6	18° 3	28°56	19°28	19°56	16°30	11°46	W28
T 29	2 30 14	5°52'57	9♓30	29°10	4°23	23°51	20° 1	19°54	20° 9	18° 5	28°55	19°23	19°53	16°37	11°43	T 29
F 30	2 34 10	6°53'05	22°15	29°56	5°37	24°28	20°14	19°57	20°13	18° 7	28°54	19°16	19°50	16°43	11°40	F 30
S 31	2 38 7	7♏53'15	5♈24	0♐37	6♐51	25♍ 5	20♎27	20♑ 1	20♎17	18♏ 9	28♉53	19♑ 7	19♑46	16♑50	11♉37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s11	7s55	3n12	9s39	0s36	11s 6	0n21	10n20	1n16	4s30	1n 6	22s20	0s11	6s41	0n35	15s19	1n44	7n26	12s54	21s37	21s47	23s30	14n 2	1s50
F 2	3 35	2 31	3 58	10 19	0 43	11 34	0 19	10 6	1 16	4 35	1 6	22 20	0 11	6 43	0 35	15 20	1 44	7 25	12 55	21 39	21 48	23 29	14 1	1 50
S 3	3 58	3n 7	4 33	10 59	0 50	12 2	0 16	9 53	1 16	4 40	1 6	22 20	0 11	6 44	0 35	15 20	1 44	7 25	12 55	21 40	21 48	23 27	14 0	1 50
S 4	4 21	8 44	4 55	11 38	0 57	12 30	0 14	9 39	1 16	4 45	1 6	22 20	0 11	6 45	0 35	15 21	1 44	7 25	12 55	21 42	21 49	23 25	13 59	1 51
M 5	4 45	14 3	5 0	12 16	1 4	12 58	0 11	9 25	1 17	4 50	1 6	22 19	0 11	6 47	0 35	15 22	1 44	7 24	12 55	21 44	21 49	23 24	13 59	1 51
T 6	5 8	18 45	4 48	12 54	1 11	13 25	0 8	9 11	1 17	4 55	1 6	22 19	0 11	6 48	0 35	15 22	1 44	7 24	12 55	21 46	21 50	23 22	13 58	1 51
W 7	5 31	22 28	4 19	13 31	1 18	13 52	0 6	8 57	1 17	5 0	1 6	22 19	0 11	6 50	0 35	15 23	1 44	7 24	12 55	21 48	21 50	23 21	13 57	1 51
T 8	5 54	24 52	3 34	14 7	1 24	14 18	0 3	8 43	1 17	5 5	1 6	22 19	0 11	6 51	0 35	15 23	1 44	7 23	12 56	21 49	21 51	23 19	13 56	1 51
F 9	6 17	25 43	2 36	14 42	1 31	14 45	0 0	8 28	1 17	5 10	1 6	22 19	0 11	6 53	0 35	15 24	1 43	7 23	12 56	21 49	21 51	23 18	13 55	1 51
S 10	6 40	24 53	1 28	15 17	1 38	15 11	0s 2	8 14	1 17	5 15	1 6	22 19	0 11	6 54	0 35	15 24	1 43	7 23	12 56	21 50	21 52	23 16	13 54	1 52
S 11	7 3	22 27	0 14	15 50	1 44	15 36	0 5	8 0	1 17	5 21	1 6	22 19	0 11	6 56	0 35	15 25	1 43	7 23	12 56	21 50	21 52	23 14	13 53	1 52
M12	7 25	18 40	1s 0	16 23	1 50	16 1	0 8	7 46	1 18	5 26	1 6	22 18	0 11	6 57	0 35	15 26	1 43	7 22	12 56	21 50	21 53	23 13	13 52	1 52
T 13	7 48	13 51	2 10	16 55	1 56	16 26	0 11	7 32	1 18	5 31	1 6	22 18	0 11	6 58	0 35	15 26	1 43	7 22	12 56	21 50	21 53	23 11	13 51	1 52
W14	8 11	8 20	3 12	17 26	2 2	16 50	0 13	7 17	1 18	5 36	1 6	22 18	0 12	7 0	0 35	15 27	1 43	7 22	12 56	21 51	21 54	23 10	13 50	1 52
T 15	8 33	2 27	4 2	17 56	2 8	17 14	0 16	7 3	1 18	5 41	1 6	22 18	0 12	7 1	0 35	15 27	1 43	7 21	12 57	21 52	21 54	23 8	13 49	1 52
F 16	8 55	3s29	4 37	18 25	2 14	17 38	0 19	6 49	1 18	5 45	1 6	22 17	0 12	7 3	0 35	15 28	1 43	7 21	12 57	21 53	21 55	23 6	13 48	1 52
S 17	9 17	9 10	4 57	18 53	2 19	18 1	0 22	6 34	1 18	5 50	1 6	22 17	0 12	7 4	0 35	15 29	1 43	7 21	12 57	21 55	21 55	23 5	13 47	1 53
S 18	9 39	14 20	4 59	19 20	2 24	18 23	0 24	6 20	1 18	5 55	1 6	22 17	0 12	7 6	0 35	15 29	1 43	7 20	12 57	21 57	21 56	23 3	13 46	1 53
M19	10 1	18 44	4 46	19 46	2 29	18 45	0 27	6 5	1 18	6 0	1 6	22 17	0 12	7 7	0 35	15 30	1 43	7 20	12 57	21 59	21 56	23 1	13 45	1 53
T 20	10 23	22 9	4 18	20 10	2 33	19 7	0 30	5 51	1 19	6 5	1 6	22 16	0 12	7 8	0 35	15 30	1 43	7 20	12 57	22 1	21 56	23 0	13 44	1 53
W21	10 44	24 26	3 39	20 34	2 37	19 28	0 33	5 36	1 19	6 10	1 6	22 16	0 12	7 10	0 35	15 31	1 43	7 19	12 57	22 2	21 57	22 58	13 43	1 53
T 22	11 6	25 31	2 49	20 56	2 41	19 49	0 35	5 22	1 19	6 15	1 6	22 16	0 12	7 11	0 35	15 32	1 43	7 19	12 57	22 3	21 57	22 56	13 42	1 53
F 23	11 27	25 21	1 54	21 17	2 44	20 9	0 38	5 7	1 19	6 20	1 6	22 15	0 12	7 13	0 35	15 32	1 43	7 19	12 58	22 4	21 58	22 55	13 41	1 53
S 24	11 48	24 2	0 53	21 36	2 47	20 28	0 41	4 53	1 19	6 25	1 6	22 15	0 12	7 14	0 35	15 33	1 43	7 19	12 58	22 4	21 58	22 53	13 40	1 53
S 25	12 9	21 39	0n 9	21 54	2 49	20 47	0 44	4 38	1 19	6 30	1 6	22 14	0 12	7 15	0 35	15 34	1 43	7 18	12 58	22 4	21 59	22 51	13 38	1 54
M26	12 30	18 21	1 11	22 10	2 51	21 5	0 46	4 24	1 19	6 35	1 6	22 14	0 12	7 17	0 35	15 34	1 43	7 18	12 58	22 4	21 59	22 50	13 37	1 54
T 27	12 50	14 17	2 11	22 25	2 52	21 23	0 49	4 9	1 19	6 39	1 6	22 14	0 12	7 18	0 35	15 35	1 43	7 18	12 58	22 4	22 0	22 48	13 36	1 54
W28	13 10	9 36	3 6	22 38	2 53	21 40	0 52	3 54	1 19	6 44	1 6	22 13	0 12	7 20	0 35	15 35	1 43	7 17	12 58	22 4	22 0	22 46	13 35	1 54
T 29	13 31	4 26	3 53	22 49	2 52	21 57	0 54	3 40	1 19	6 49	1 6	22 13	0 12	7 21	0 35	15 36	1 43	7 17	12 58	22 5	22 1	22 45	13 34	1 54
F 30	13 50	1n 3	4 30	22 58	2 51	22 13	0 57	3 25	1 20	6 54	1 7	22 12	0 12	7 22	0 35	15 37	1 43	7 17	12 58	22 6	22 1	22 43	13 33	1 54
S 31	14s10	6n39	4n54	23s 5	2s49	22s29	1s 0	3n11	1n20	6s59	1n 7	22s12	0s13	7s24	0n35	15s37	1n43	7n17	12s58	22s 7	22s 2	22s41	13n32	1s54

Julian Day Number = 2319235.5, Delta T = 52.02 sec
Ecliptic obliquity = 23°29'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'03, Lahiri = 18°48'04Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

NOVEMBER 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 42 3	8♏53'27	18♈57	1♐14	8♐ 5	25♍42	20♎40	20♉ 5	20♎20	18♏11	28°R52	18°R56	19♉43	16♉57	11°R34	S 1
M 2	2 46 0	9°53'41	2♉53	1°44	9°18	26°19	20°52	20° 8	20°24	18°14	28♉51	18♉44	19°40	17° 3	11♉30	M 2
T 3	2 49 57	10°53'56	17° 6	2° 8	10°32	26°56	21° 5	20°12	20°27	18°16	28°50	18°33	19°37	17°10	11°27	T 3
W 4	2 53 53	11°54'13	1♊32	2°25	11°46	27°33	21°18	20°16	20°31	18°18	28°49	18°24	19°34	17°17	11°24	W 4
T 5	2 57 50	12°54'32	16° 3	2°33	13° 0	28°10	21°30	20°20	20°35	18°20	28°48	18°18	19°31	17°23	11°21	T 5
F 6	3 1 46	13°54'53	0♋34	2°R34	14°14	28°46	21°43	20°24	20°38	18°23	28°47	18°14	19°27	17°30	11°18	F 6
S 7	3 5 43	14°55'16	15° 0	2°25	15°28	29°23	21°55	20°28	20°42	18°25	28°45	18°D13	19°24	17°36	11°15	S 7
S 8	3 9 39	15°55'41	29°17	2° 6	16°41	0♎ 0	22° 8	20°33	20°45	18°27	28°44	18°13	19°21	17°43	11°11	S 8
M 9	3 13 36	16°56'08	13♌24	1°37	17°55	0°37	22°20	20°37	20°49	18°29	28°43	18°R14	19°18	17°50	11° 8	M 9
T 10	3 17 33	17°56'36	27°19	0°58	19° 9	1°14	22°33	20°41	20°52	18°32	28°42	18°14	19°15	17°56	11° 5	T 10
W11	3 21 29	18°57'07	11♍ 2	0° 9	20°23	1°50	22°45	20°46	20°56	18°34	28°41	18°11	19°11	18° 3	11° 2	W11
T 12	3 25 26	19°57'39	24°35	29♏10	21°36	2°27	22°57	20°50	20°59	18°36	28°40	18° 7	19° 8	18°10	10°59	T 12
F 13	3 29 22	20°58'13	7♎56	28° 3	22°50	3° 4	23°10	20°55	21° 2	18°38	28°39	18° 0	19° 5	18°16	10°56	F 13
S 14	3 33 19	21°58'49	21° 5	26°48	24° 4	3°40	23°22	20°59	21° 6	18°41	28°38	17°50	19° 2	18°23	10°53	S 14
S 15	3 37 15	22°59'26	4♏ 2	25°29	25°17	4°17	23°34	21° 4	21° 9	18°43	28°37	17°40	18°59	18°30	10°50	S 15
M16	3 41 12	24° 0'06	16°46	24° 8	26°31	4°54	23°46	21° 9	21°13	18°45	28°35	17°30	18°56	18°36	10°47	M16
T 17	3 45 8	25° 0'46	29°17	22°47	27°45	5°30	23°58	21°14	21°16	18°47	28°34	17°20	18°52	18°43	10°44	T 17
W18	3 49 5	26° 1'28	11♐36	21°29	28°58	6° 7	24°10	21°19	21°19	18°50	28°33	17°13	18°49	18°50	10°41	W18
T 19	3 53 2	27° 2'12	23°42	20°16	0♉12	6°43	24°22	21°24	21°22	18°52	28°32	17° 7	18°46	18°56	10°38	T 19
F 20	3 56 58	28° 2'56	5♉39	19°11	1°26	7°20	24°34	21°29	21°26	18°54	28°31	17° 4	18°43	19° 3	10°35	F 20
S 21	4 0 55	29° 3'42	17°28	18°16	2°39	7°56	24°46	21°34	21°29	18°56	28°30	17°D 4	18°40	19° 9	10°32	S 21
S 22	4 4 51	0♑ 4'29	29°14	17°31	3°53	8°33	24°58	21°39	21°32	18°59	28°29	17° 4	18°37	19°16	10°29	S 22
M23	4 8 48	1° 5'17	11♒ 1	16°58	5° 6	9° 9	25°10	21°45	21°35	19° 1	28°27	17° 6	18°33	19°23	10°26	M23
T 24	4 12 44	2° 6'06	22°55	16°36	6°20	9°46	25°21	21°50	21°38	19° 3	28°26	17° 7	18°30	19°29	10°23	T 24
W25	4 16 41	3° 6'56	5♓ 0	16°D26	7°33	10°22	25°33	21°56	21°41	19° 5	28°25	17°R 7	18°27	19°36	10°20	W25
T 26	4 20 37	4° 7'47	17°21	16°26	8°46	10°58	25°45	22° 1	21°44	19° 7	28°24	17° 6	18°24	19°43	10°17	T 26
F 27	4 24 34	5° 8'38	0♈ 4	16°37	10° 0	11°35	25°56	22° 7	21°47	19°10	28°23	17° 3	18°21	19°49	10°14	F 27
S 28	4 28 31	6° 9'31	13°13	16°57	11°13	12°11	26° 8	22°12	21°50	19°12	28°22	16°59	18°17	19°56	10°12	S 28
S 29	4 32 27	7°10'24	26°48	17°26	12°26	12°47	26°19	22°18	21°53	19°14	28°21	16°53	18°14	20° 3	10° 9	S 29
M30	4 36 24	8♐11'18	10♉50	18♏ 3	13♉40	13♎23	26♎30	22♉24	21♎56	19♏16	28♉20	16♉46	18♉11	20♉ 9	10♉ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s29	12n 6	5n 2	23s10	2s47	22s43	1s 2	2n56	1n20	7s 3	1n 7	22s11	0s13	7s25	0n35	15s38	1n43	7n16	12s58	22s 9	22s 2	22s40	13n31	1s54
M 2	14 49	17 5	4 53	23 12	2 43	22 57	1 5	2 41	1 20	7 8	1 7	22 11	0 13	7 27	0 35	15 39	1 43	7 16	12 58	22 10	22 3	22 38	13 30	1 54
T 3	15 8	21 13	4 26	23 12	2 38	23 11	1 7	2 27	1 20	7 13	1 7	22 10	0 13	7 28	0 35	15 39	1 43	7 16	12 58	22 12	22 3	22 36	13 29	1 55
W 4	15 26	24 7	3 42	23 10	2 32	23 24	1 10	2 12	1 20	7 17	1 7	22 10	0 13	7 29	0 35	15 40	1 43	7 15	12 58	22 13	22 3	22 34	13 28	1 55
T 5	15 45	25 27	2 43	23 4	2 24	23 36	1 12	1 57	1 20	7 22	1 7	22 9	0 13	7 31	0 35	15 40	1 43	7 15	12 58	22 14	22 4	22 33	13 27	1 55
F 6	16 3	25 2	1 33	22 55	2 15	23 47	1 15	1 43	1 20	7 27	1 7	22 9	0 13	7 32	0 35	15 41	1 43	7 15	12 59	22 15	22 4	22 31	13 26	1 55
S 7	16 21	22 56	0 17	22 43	2 5	23 58	1 17	1 28	1 20	7 31	1 7	22 8	0 13	7 33	0 35	15 42	1 43	7 15	12 59	22 15	22 5	22 29	13 25	1 55
S 8	16 38	19 23	0s59	22 28	1 52	24 8	1 19	1 14	1 20	7 36	1 7	22 8	0 13	7 35	0 35	15 42	1 43	7 14	12 59	22 15	22 5	22 27	13 24	1 55
M 9	16 56	14 45	2 10	22 8	1 39	24 18	1 22	0 59	1 20	7 41	1 7	22 7	0 13	7 36	0 35	15 43	1 43	7 14	12 59	22 15	22 6	22 26	13 23	1 55
T 10	17 13	9 24	3 13	21 45	1 23	24 26	1 24	0 44	1 20	7 45	1 7	22 6	0 13	7 37	0 35	15 44	1 43	7 14	12 59	22 15	22 6	22 24	13 22	1 55
W11	17 29	3 41	4 4	21 18	1 6	24 34	1 26	0 30	1 20	7 50	1 7	22 6	0 13	7 38	0 35	15 44	1 43	7 14	12 59	22 15	22 7	22 22	13 21	1 55
T 12	17 46	2s 8	4 40	20 48	0 48	24 41	1 28	0 15	1 20	7 54	1 7	22 5	0 13	7 40	0 35	15 45	1 43	7 13	12 59	22 16	22 7	22 20	13 19	1 55
F 13	18 2	7 45	5 1	20 14	0 29	24 48	1 30	0 1	1 21	7 59	1 7	22 5	0 13	7 41	0 35	15 45	1 43	7 13	12 59	22 17	22 8	22 19	13 18	1 55
S 14	18 18	12 57	5 5	19 37	0 9	24 54	1 32	0s14	1 21	8 3	1 7	22 4	0 13	7 42	0 35	15 46	1 43	7 13	12 59	22 18	22 8	22 17	13 17	1 55
S 15	18 33	17 29	4 53	18 59	0n12	24 59	1 34	0 28	1 21	8 8	1 7	22 3	0 13	7 44	0 35	15 47	1 43	7 13	12 59	22 19	22 8	22 15	13 16	1 56
M16	18 49	21 8	4 27	18 19	0 32	25 3	1 36	0 43	1 21	8 12	1 7	22 2	0 13	7 45	0 35	15 47	1 43	7 13	12 59	22 20	22 9	22 13	13 15	1 56
T 17	19 3	23 45	3 48	17 40	0 52	25 6	1 38	0 57	1 21	8 16	1 7	22 2	0 13	7 46	0 35	15 48	1 43	7 12	12 59	22 22	22 9	22 11	13 14	1 56
W18	19 18	25 11	2 59	17 1	1 11	25 9	1 40	1 12	1 21	8 21	1 8	22 1	0 14	7 47	0 35	15 48	1 43	7 12	12 59	22 23	22 10	22 10	13 13	1 56
T 19	19 32	25 23	2 3	16 25	1 29	25 11	1 42	1 26	1 21	8 25	1 8	22 0	0 14	7 48	0 35	15 49	1 43	7 12	12 59	22 23	22 10	22 8	13 12	1 56
F 20	19 46	24 23	1 1	15 53	1 45	25 12	1 44	1 41	1 21	8 29	1 8	22 0	0 14	7 50	0 35	15 50	1 43	7 12	12 59	22 24	22 11	22 6	13 11	1 56
S 21	19 59	22 18	0n 2	15 24	1 58	25 13	1 45	1 55	1 21	8 34	1 8	21 59	0 14	7 51	0 35	15 50	1 43	7 12	12 59	22 24	22 11	22 4	13 10	1 56
S 22	20 12	19 17	1 6	15 1	2 10	25 13	1 47	2 9	1 21	8 38	1 8	21 58	0 14	7 52	0 35	15 51	1 43	7 11	12 58	22 24	22 12	22 2	13 9	1 56
M23	20 25	15 28	2 6	14 43	2 19	25 12	1 48	2 24	1 21	8 42	1 8	21 57	0 14	7 53	0 35	15 51	1 43	7 11	12 58	22 23	22 12	22 1	13 9	1 56
T 24	20 37	11 2	3 2	14 29	2 27	25 10	1 50	2 38	1 21	8 46	1 8	21 56	0 14	7 54	0 35	15 52	1 43	7 11	12 58	22 23	22 12	21 59	13 8	1 56
W25	20 49	6 7	3 51	14 21	2 32	25 7	1 51	2 52	1 21	8 50	1 8	21 56	0 14	7 55	0 35	15 53	1 43	7 11	12 58	22 23	22 13	21 57	13 7	1 56
T 26	21 1	0 52	4 30	14 18	2 36	25 4	1 53	3 7	1 21	8 55	1 8	21 55	0 14	7 57	0 35	15 53	1 43	7 11	12 58	22 23	22 13	21 55	13 6	1 56
F 27	21 12	4n34	4 57	14 19	2 37	25 0	1 54	3 21	1 21	8 59	1 8	21 54	0 14	7 58	0 35	15 54	1 43	7 10	12 58	22 24	22 14	21 53	13 5	1 56
S 28	21 23	9 59	5 10	14 25	2 38	24 55	1 55	3 35	1 21	9 3	1 8	21 53	0 14	7 59	0 35	15 54	1 43	7 10	12 58	22 24	22 14	21 51	13 4	1 56
S 29	21 33	15 6	5 6	14 33	2 37	24 50	1 56	3 49	1 21	9 7	1 8	21 52	0 14	8 0	0 35	15 55	1 43	7 10	12 58	22 25	22 15	21 50	13 3	1 56
M30	21s43	19n36	4n44	14s46	2n35	24s44	1s57	4s 3	1n21	9s11	1n 9	21s51	0s14	8s 1	0n35	15s56	1n43	7n10	12s58	22s26	22s15	21s48	13n 2	1s56

Julian Day Number = 2319266.5, Delta T = 51.96 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'07, Lahiri = 18°48'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1637
geocentric

DECEMBER 1637 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 40 20	9♐12'13	25♉17	18♏46	14♑53	13♎59	26♎41	22♑29	21♎59	19♏18	28°R18	16°R40	18♑ 8	20♑16	10°R 4	T 1
W 2	4 44 17	10°13'09	10♊ 1	19°36	16° 6	14°36	26°53	22°35	22° 2	19°20	28♉17	16♑35	18° 5	20°23	10♉ 1	W 2
T 3	4 48 13	11°14'07	24°56	20°31	17°19	15°12	27° 4	22°41	22° 5	19°23	28°16	16°32	18° 2	20°29	9°58	T 3
F 4	4 52 10	12°15'05	9♋54	21°30	18°32	15°48	27°15	22°47	22° 8	19°25	28°15	16°D30	17°58	20°36	9°56	F 4
S 5	4 56 6	13°16'04	24°45	22°34	19°45	16°24	27°25	22°53	22°10	19°27	28°14	16°30	17°55	20°43	9°53	S 5
S 6	5 0 3	14°17'04	9♌24	23°41	20°58	17° 0	27°36	22°59	22°13	19°29	28°13	16°31	17°52	20°49	9°51	S 6
M 7	5 4 0	15°18'05	23°46	24°51	22°11	17°36	27°47	23° 5	22°16	19°31	28°12	16°33	17°49	20°56	9°48	M 7
T 8	5 7 56	16°19'08	7♍49	26° 4	23°24	18°12	27°58	23°11	22°18	19°33	28°11	16°34	17°46	21° 2	9°46	T 8
W 9	5 11 53	17°20'11	21°32	27°19	24°37	18°48	28° 8	23°17	22°21	19°35	28°10	16°R34	17°43	21° 9	9°44	W 9
T 10	5 15 49	18°21'15	4♎56	28°37	25°50	19°24	28°19	23°24	22°23	19°37	28° 9	16°33	17°39	21°16	9°41	T 10
F 11	5 19 46	19°22'20	18° 3	29°56	27° 3	19°59	28°29	23°30	22°26	19°39	28° 8	16°31	17°36	21°22	9°39	F 11
S 12	5 23 42	20°23'27	0♏54	1♐16	28°16	20°35	28°39	23°36	22°28	19°41	28° 7	16°27	17°33	21°29	9°37	S 12
S 13	5 27 39	21°24'34	13°31	2°38	29°28	21°11	28°50	23°42	22°31	19°43	28° 6	16°23	17°30	21°36	9°35	S 13
M14	5 31 35	22°25'41	25°56	4° 2	0♒41	21°47	29° 0	23°49	22°33	19°45	28° 5	16°19	17°27	21°42	9°33	M14
T 15	5 35 32	23°26'50	8♐11	5°26	1°54	22°22	29°10	23°55	22°35	19°47	28° 4	16°15	17°23	21°49	9°31	T 15
W16	5 39 29	24°27'59	20°16	6°51	3° 6	22°58	29°20	24° 2	22°38	19°49	28° 3	16°12	17°20	21°56	9°29	W16
T 17	5 43 25	25°29'09	2♑13	8°17	4°19	23°33	29°30	24° 8	22°40	19°51	28° 2	16°10	17°17	22° 2	9°27	T 17
F 18	5 47 22	26°30'19	14° 4	9°43	5°31	24° 9	29°39	24°15	22°42	19°53	28° 1	16°D 9	17°14	22° 9	9°25	F 18
S 19	5 51 18	27°31'29	25°52	11°11	6°43	24°45	29°49	24°21	22°44	19°55	28° 0	16° 9	17°11	22°16	9°23	S 19
S 20	5 55 15	28°32'39	7♒38	12°39	7°56	25°20	29°58	24°28	22°46	19°57	27°59	16°10	17° 8	22°22	9°21	S 20
M21	5 59 11	29°33'50	19°26	14° 7	9° 8	25°55	0♏ 8	24°35	22°48	19°59	27°58	16°12	17° 4	22°29	9°19	M21
T 22	6 3 8	0♑35'00	1♓20	15°36	10°20	26°31	0°17	24°41	22°50	20° 0	27°57	16°14	17° 1	22°36	9°18	T 22
W23	6 7 4	1°36'11	13°24	17° 5	11°32	27° 6	0°26	24°48	22°52	20° 2	27°56	16°15	16°58	22°42	9°16	W23
T 24	6 11 1	2°37'21	25°43	18°35	12°44	27°41	0°35	24°55	22°54	20° 4	27°55	16°15	16°55	22°49	9°14	T 24
F 25	6 14 58	3°38'32	8♈20	20° 5	13°56	28°16	0°44	25° 2	22°56	20° 6	27°54	16°R16	16°52	22°55	9°13	F 25
S 26	6 18 54	4°39'42	21°21	21°36	15° 8	28°52	0°53	25° 9	22°58	20° 8	27°53	16°15	16°49	23° 2	9°11	S 26
S 27	6 22 51	5°40'52	4♉48	23° 7	16°20	29°27	1° 2	25°15	22°59	20° 9	27°52	16°14	16°45	23° 9	9°10	S 27
M28	6 26 47	6°42'02	18°43	24°38	17°31	0♏ 2	1°10	25°22	23° 1	20°11	27°51	16°13	16°42	23°15	9° 9	M28
T 29	6 30 44	7°43'11	3♊ 5	26°10	18°43	0°37	1°19	25°29	23° 3	20°13	27°51	16°12	16°39	23°22	9° 7	T 29
W30	6 34 40	8°44'21	17°51	27°42	19°54	1°12	1°27	25°36	23° 4	20°14	27°50	16°11	16°36	23°29	9° 6	W30
T 31	6 38 37	9♑45'30	2♋55	29♐15	21♒ 6	1♏46	1♏36	25♑43	23♎ 6	20♏16	27♉49	16♑10	16♑33	23♑35	9♉ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s52	23n 3	4n 3	15s 0	2n32	24s37	1s58	4s17	1n21	9s15	1n 9	21s51	0s14	8s 2	0n35	15s56	1n43	7n10	12s58	22s27	22s15	21s46	13n 1	1s56	
W 2	22 2	25 4	3 6	15 17	2 28	24 29	1 59	4 31	1 21	9 19	1 9	21 50	0 14	8 3	0 35	15 57	1 43	7 10	12 58	22 27	22 16	21 44	13 0	1 56	
T 3	22 10	25 18	1 55	15 36	2 23	24 21	2 0	4 45	1 21	9 22	1 9	21 49	0 14	8 4	0 35	15 57	1 43	7 10	12 58	22 28	22 16	21 42	13 0	1 56	
F 4	22 18	23 43	0 36	15 57	2 18	24 11	2 0	4 59	1 21	9 26	1 9	21 48	0 14	8 5	0 35	15 58	1 43	7 9	12 58	22 28	22 17	21 40	12 59	1 56	
S 5	22 26	20 29	0s45	16 19	2 13	24 2	2 1	5 13	1 21	9 30	1 9	21 47	0 15	8 6	0 35	15 58	1 43	7 9	12 58	22 28	22 17	21 38	12 58	1 56	
S 6	22 34	15 58	2 2	16 41	2 6	23 51	2 2	5 27	1 21	9 34	1 9	21 46	0 15	8 7	0 36	15 59	1 43	7 9	12 57	22 28	22 17	21 37	12 57	1 56	
M 7	22 40	10 38	3 10	17 5	2 0	23 40	2 2	5 40	1 21	9 38	1 9	21 45	0 15	8 8	0 36	15 59	1 43	7 9	12 57	22 28	22 18	21 35	12 56	1 57	
T 8	22 47	4 52	4 5	17 29	1 53	23 28	2 2	5 54	1 21	9 41	1 9	21 44	0 15	8 9	0 36	16 0	1 43	7 9	12 57	22 27	22 18	21 33	12 56	1 57	
W 9	22 53	1s 0	4 45	17 53	1 46	23 15	2 3	6 8	1 21	9 45	1 10	21 43	0 15	8 10	0 36	16 0	1 43	7 9	12 57	22 27	22 19	21 31	12 55	1 57	
T 10	22 59	6 40	5 8	18 17	1 39	23 2	2 3	6 22	1 21	9 49	1 10	21 42	0 15	8 11	0 36	16 1	1 43	7 9	12 57	22 28	22 19	21 29	12 54	1 57	
F 11	23 4	11 55	5 14	18 42	1 31	22 48	2 3	6 35	1 21	9 52	1 10	21 41	0 15	8 12	0 36	16 1	1 43	7 9	12 57	22 28	22 20	21 27	12 53	1 57	
S 12	23 8	16 33	5 4	19 6	1 23	22 33	2 3	6 49	1 21	9 56	1 10	21 40	0 15	8 13	0 36	16 2	1 43	7 9	12 57	22 28	22 20	21 25	12 53	1 57	
S 13	23 12	20 22	4 40	19 29	1 16	22 18	2 3	7 2	1 21	9 59	1 10	21 39	0 15	8 13	0 36	16 2	1 43	7 8	12 57	22 29	22 20	21 23	12 52	1 57	
M14	23 16	23 12	4 2	19 53	1 8	22 2	2 3	7 15	1 21	10 3	1 10	21 38	0 15	8 14	0 36	16 3	1 43	7 8	12 56	22 29	22 21	21 21	12 51	1 57	
T 15	23 19	24 55	3 14	20 16	1 0	21 46	2 2	7 29	1 21	10 6	1 10	21 37	0 15	8 15	0 36	16 3	1 43	7 8	12 56	22 30	22 21	21 19	12 51	1 57	
W16	23 22	25 25	2 18	20 38	0 53	21 29	2 2	7 42	1 20	10 10	1 10	21 36	0 15	8 16	0 36	16 4	1 43	7 8	12 56	22 30	22 22	21 17	12 50	1 57	
T 17	23 25	24 44	1 16	21 0	0 45	21 11	2 2	7 55	1 20	10 13	1 11	21 35	0 15	8 17	0 36	16 4	1 43	7 8	12 56	22 30	22 22	21 15	12 49	1 57	
F 18	23 26	22 56	0 12	21 20	0 37	20 53	2 1	8 8	1 20	10 16	1 11	21 34	0 15	8 18	0 36	16 5	1 44	7 8	12 56	22 30	22 22	21 14	12 49	1 57	
S 19	23 28	20 8	0n54	21 40	0 30	20 34	2 0	8 21	1 20	10 19	1 11	21 32	0 15	8 18	0 36	16 5	1 44	7 8	12 56	22 30	22 23	21 12	12 48	1 57	
S 20	23 29	16 32	1 56	22 0	0 22	20 15	1 59	8 34	1 20	10 23	1 11	21 31	0 15	8 19	0 36	16 6	1 44	7 8	12 55	22 30	22 23	21 10	12 48	1 57	
M21	23 29	12 16	2 54	22 18	0 14	19 55	1 59	8 47	1 20	10 26	1 11	21 30	0 16	8 20	0 36	16 6	1 44	7 8	12 55	22 30	22 24	21 8	12 47	1 57	
T 22	23 29	7 31	3 45	22 35	0 7	19 34	1 58	9 0	1 20	10 29	1 11	21 29	0 16	8 21	0 36	16 7	1 44	7 8	12 55	22 30	22 24	21 6	12 47	1 57	
W23	23 29	2 26	4 27	22 52	0s 0	19 13	1 57	9 13	1 20	10 32	1 11	21 28	0 16	8 21	0 36	16 7	1 44	7 8	12 55	22 30	22 24	21 4	12 46	1 57	
T 24	23 28	2n50	4 57	23 7	0 7	18 52	1 55	9 26	1 20	10 35	1 12	21 27	0 16	8 22	0 36	16 8	1 44	7 8	12 55	22 30	22 25	21 2	12 46	1 57	
F 25	23 26	8 8	5 14	23 21	0 15	18 30	1 54	9 38	1 20	10 38	1 12	21 26	0 16	8 23	0 36	16 8	1 44	7 8	12 55	22 30	22 25	21 0	12 45	1 57	
S 26	23 24	13 13	5 16	23 35	0 22	18 8	1 53	9 51	1 20	10 41	1 12	21 24	0 16	8 23	0 36	16 9	1 44	7 8	12 54	22 30	22 26	20 58	12 45	1 57	
S 27	23 22	17 52	5 1	23 47	0 28	17 45	1 51	10 4	1 19	10 44	1 12	21 23	0 16	8 24	0 36	16 9	1 44	7 8	12 54	22 30	22 26	20 56	12 44	1 57	
M28	23 19	21 43	4 28	23 58	0 35	17 21	1 50	10 16	1 19	10 47	1 12	21 22	0 16	8 24	0 36	16 9	1 44	7 8	12 54	22 30	22 26	20 54	12 44	1 57	
T 29	23 16	24 22	3 37	24 7	0 41	16 57	1 48	10 28	1 19	10 49	1 12	21 21	0 16	8 25	0 36	16 10	1 44	7 8	12 54	22 30	22 27	20 52	12 43	1 57	
W30	23 12	25 26	2 31	24 16	0 48	16 33	1 46	10 41	1 19	10 52	1 13	21 20	0 16	8 26	0 36	16 10	1 44	7 8	12 53	22 30	22 27	20 50	12 43	1 56	
T 31	23s 8	24n40	1n13	24s23	0s54	16s 9	1s44	10s53	1n19	10s55	1n13	21s18	0s16	8s26	0n36	16s11	1n44	7n 8	12s53	22s30	22s28	20s48	12n43	1s56	

Julian Day Number = 2319296.5, Delta T = 51.90 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'11, Lahiri = 18°48'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

JANUARY 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 42 34	10♑46'39	18♋ 7	0♑47	22♒17	2♏21	1♏44	25♑50	23♎ 7	20♏18	27°R48	16°D10	16♑29	23♑42	9°R 4	F 1
S 2	6 46 30	11°47'48	3♌18	2°21	23°28	2°56	1°52	25°57	23° 9	20°19	27♉47	16♑10	16°26	23°49	9♉ 3	S 2
S 3	6 50 27	12°48'57	18°19	3°54	24°39	3°31	1°59	26° 4	23°10	20°21	27°47	16°11	16°23	23°55	9° 2	S 3
M 4	6 54 23	13°50'05	3♍ 3	5°28	25°50	4° 5	2° 7	26°11	23°11	20°22	27°46	16°11	16°20	24° 2	9° 1	M 4
T 5	6 58 20	14°51'14	17°23	7° 3	27° 1	4°40	2°15	26°18	23°13	20°24	27°45	16°11	16°17	24° 9	9° 0	T 5
W 6	7 2 16	15°52'22	1♎17	8°38	28°12	5°15	2°22	26°25	23°14	20°25	27°44	16°R11	16°14	24°15	8°59	W 6
T 7	7 6 13	16°53'31	14°46	10°13	29°22	5°49	2°30	26°32	23°15	20°27	27°44	16°D11	16°10	24°22	8°59	T 7
F 8	7 10 9	17°54'39	27°51	11°49	0♓33	6°24	2°37	26°39	23°16	20°28	27°43	16°11	16° 7	24°29	8°58	F 8
S 9	7 14 6	18°55'48	10♏35	13°25	1°43	6°58	2°44	26°46	23°17	20°29	27°42	16°11	16° 4	24°35	8°58	S 9
S 10	7 18 3	19°56'56	23° 1	15° 2	2°53	7°32	2°51	26°53	23°18	20°31	27°42	16°12	16° 1	24°42	8°57	S 10
M11	7 21 59	20°58'04	5♐13	16°40	4° 3	8° 6	2°57	27° 0	23°19	20°32	27°41	16°12	15°58	24°48	8°57	M11
T 12	7 25 56	21°59'12	17°15	18°17	5°13	8°41	3° 4	27° 7	23°20	20°33	27°40	16°13	15°55	24°55	8°56	T 12
W13	7 29 52	23° 0'19	29°10	19°56	6°23	9°15	3°11	27°14	23°21	20°35	27°40	16°13	15°51	25° 2	8°56	W13
T 14	7 33 49	24° 1'26	11♑ 0	21°35	7°33	9°49	3°17	27°22	23°22	20°36	27°39	16°R14	15°48	25° 8	8°56	T 14
F 15	7 37 45	25° 2'32	22°47	23°14	8°43	10°23	3°23	27°29	23°22	20°37	27°39	16°14	15°45	25°15	8°55	F 15
S 16	7 41 42	26° 3'37	4♒34	24°54	9°52	10°56	3°29	27°36	23°23	20°38	27°38	16°13	15°42	25°22	8°55	S 16
S 17	7 45 38	27° 4'42	16°24	26°35	11° 1	11°30	3°35	27°43	23°24	20°40	27°38	16°12	15°39	25°28	8°D55	S 17
M18	7 49 35	28° 5'46	28°17	28°16	12°10	12° 4	3°41	27°50	23°24	20°41	27°37	16°10	15°35	25°35	8°55	M18
T 19	7 53 32	29° 6'48	10♓17	29°58	13°19	12°37	3°46	27°57	23°25	20°42	27°37	16° 8	15°32	25°42	8°55	T 19
W20	7 57 28	0♒ 7'50	22°26	1♒41	14°28	13°11	3°51	28° 4	23°25	20°43	27°36	16° 6	15°29	25°48	8°55	W20
T 21	8 1 25	1° 8'51	4♈47	3°24	15°37	13°44	3°57	28°11	23°25	20°44	27°36	16° 4	15°26	25°55	8°56	T 21
F 22	8 5 21	2° 9'50	17°24	5° 7	16°45	14°18	4° 2	28°18	23°26	20°45	27°35	16° 3	15°23	26° 2	8°56	F 22
S 23	8 9 18	3°10'49	0♉19	6°51	17°53	14°51	4° 7	28°26	23°26	20°46	27°35	16°D 3	15°20	26° 8	8°56	S 23
S 24	8 13 14	4°11'46	13°37	8°36	19° 1	15°24	4°11	28°33	23°26	20°47	27°35	16° 3	15°16	26°15	8°57	S 24
M25	8 17 11	5°12'42	27°18	10°21	20° 9	15°57	4°16	28°40	23°26	20°48	27°34	16° 4	15°13	26°22	8°57	M25
T 26	8 21 7	6°13'36	11♊25	12° 7	21°17	16°30	4°20	28°47	23°27	20°49	27°34	16° 5	15°10	26°28	8°58	T 26
W27	8 25 4	7°14'30	25°56	13°53	22°24	17° 3	4°25	28°54	23°R27	20°50	27°34	16° 6	15° 7	26°35	8°58	W27
T 28	8 29 1	8°15'22	10♋49	15°40	23°31	17°36	4°29	29° 1	23°27	20°50	27°33	16°R 7	15° 4	26°41	8°59	T 28
F 29	8 32 57	9°16'13	25°57	17°27	24°38	18° 9	4°33	29° 8	23°27	20°51	27°33	16° 7	15° 1	26°48	9° 0	F 29
S 30	8 36 54	10°17'02	11♌11	19°14	25°45	18°41	4°36	29°15	23°26	20°52	27°33	16° 6	14°57	26°55	9° 0	S 30
S 31	8 40 50	11♒17'50	26♌21	21♒ 1	26♓52	19♏14	4♏40	29♑22	23♎26	20♏53	27♉32	16♑ 3	14♑54	27♑ 1	9♉ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23s 3	22n 5	0s11	24s29	1s 0	15s44	1s42	11s 5	1n19	10s57	1n13	21s17	0s16	8s27	0n36	16s11	1n44	7n 8	12s53	22s30	22s28	20s46	12n42	1s56	F 1
S 2	22 58	17 56	1 34	24 34	1 6	15 18	1 40	11 17	1 19	11 0	1 13	21 16	0 16	8 27	0 36	16 11	1 44	7 8	12 53	22 30	22 28	20 44	12 42	1 56	S 2
S 3	22 52	12 41	2 50	24 37	1 11	14 52	1 38	11 29	1 19	11 3	1 13	21 15	0 16	8 28	0 36	16 12	1 44	7 8	12 53	22 30	22 29	20 42	12 42	1 56	S 3
M 4	22 46	6 48	3 52	24 39	1 17	14 26	1 36	11 41	1 18	11 5	1 13	21 13	0 16	8 28	0 36	16 12	1 44	7 8	12 52	22 30	22 29	20 40	12 42	1 56	M 4
T 5	22 39	0 43	4 39	24 40	1 22	14 0	1 33	11 52	1 18	11 8	1 14	21 12	0 16	8 29	0 36	16 12	1 44	7 8	12 52	22 30	22 30	20 38	12 41	1 56	T 5
W 6	22 32	5s13	5 8	24 39	1 27	13 33	1 31	12 4	1 18	11 10	1 14	21 11	0 17	8 29	0 36	16 13	1 44	7 9	12 52	22 30	22 30	20 36	12 41	1 56	W 6
T 7	22 25	10 43	5 18	24 36	1 31	13 6	1 28	12 16	1 18	11 12	1 14	21 10	0 17	8 29	0 36	16 13	1 44	7 9	12 52	22 30	22 30	20 34	12 41	1 56	T 7
F 8	22 17	15 34	5 12	24 33	1 36	12 38	1 26	12 27	1 18	11 15	1 14	21 8	0 17	8 30	0 36	16 13	1 44	7 9	12 51	22 30	22 31	20 32	12 41	1 56	F 8
S 9	22 9	19 36	4 50	24 28	1 40	12 10	1 23	12 39	1 18	11 17	1 14	21 7	0 17	8 30	0 36	16 14	1 44	7 9	12 51	22 30	22 31	20 30	12 41	1 56	S 9
S 10	22 0	22 40	4 15	24 21	1 44	11 42	1 20	12 50	1 17	11 19	1 14	21 6	0 17	8 30	0 36	16 14	1 44	7 9	12 51	22 30	22 31	20 28	12 40	1 56	S 10
M11	21 51	24 38	3 29	24 13	1 47	11 14	1 17	13 1	1 17	11 21	1 15	21 4	0 17	8 31	0 36	16 14	1 45	7 9	12 51	22 30	22 32	20 26	12 40	1 56	M11
T 12	21 41	25 26	2 34	24 4	1 50	10 45	1 14	13 12	1 17	11 23	1 15	21 3	0 17	8 31	0 36	16 15	1 45	7 9	12 50	22 30	22 32	20 24	12 40	1 56	T 12
W13	21 31	25 3	1 34	23 52	1 53	10 17	1 11	13 23	1 17	11 25	1 15	21 2	0 17	8 31	0 36	16 15	1 45	7 9	12 50	22 30	22 33	20 22	12 40	1 56	W13
T 14	21 21	23 31	0 29	23 40	1 56	9 48	1 7	13 34	1 16	11 27	1 15	21 1	0 17	8 32	0 36	16 15	1 45	7 9	12 50	22 30	22 33	20 20	12 40	1 56	T 14
F 15	21 10	20 58	0n36	23 26	1 58	9 18	1 4	13 45	1 16	11 29	1 15	20 59	0 17	8 32	0 37	16 16	1 45	7 10	12 50	22 30	22 33	20 17	12 40	1 56	F 15
S 16	20 59	17 32	1 40	23 10	2 0	8 49	1 0	13 56	1 16	11 31	1 16	20 58	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 15	12 40	1 56	S 16
S 17	20 47	13 25	2 40	22 53	2 2	8 19	0 57	14 7	1 16	11 33	1 16	20 57	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 13	12 40	1 56	S 17
M18	20 35	8 46	3 33	22 34	2 3	7 49	0 53	14 17	1 16	11 35	1 16	20 55	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 11	12 40	1 56	M18
T 19	20 23	3 46	4 17	22 13	2 4	7 19	0 49	14 28	1 15	11 36	1 16	20 54	0 17	8 33	0 37	16 17	1 45	7 10	12 49	22 31	22 35	20 9	12 40	1 56	T 19
W20	20 10	1n26	4 50	21 51	2 5	6 49	0 45	14 38	1 15	11 38	1 16	20 52	0 18	8 33	0 37	16 17	1 45	7 10	12 48	22 31	22 35	20 7	12 40	1 56	W20
T 21	19 57	6 39	5 10	21 27	2 5	6 19	0 41	14 48	1 15	11 39	1 17	20 51	0 18	8 33	0 37	16 17	1 45	7 11	12 48	22 31	22 36	20 5	12 40	1 56	T 21
F 22	19 43	11 43	5 16	21 2	2 4	5 49	0 37	14 59	1 14	11 41	1 17	20 50	0 18	8 33	0 37	16 17	1 45	7 11	12 48	22 31	22 36	20 3	12 40	1 56	F 22
S 23	19 29	16 23	5 7	20 35	2 3	5 18	0 33	15 9	1 14	11 42	1 17	20 48	0 18	8 33	0 37	16 17	1 45	7 11	12 47	22 31	22 36	20 1	12 40	1 56	S 23
S 24	19 15	20 25	4 41	20 6	2 2	4 47	0 29	15 19	1 14	11 44	1 17	20 47	0 18	8 33	0 37	16 18	1 45	7 11	12 47	22 31	22 37	19 59	12 41	1 56	S 24
M25	19 0	23 28	3 58	19 36	2 0	4 17	0 24	15 28	1 14	11 45	1 17	20 46	0 18	8 33	0 37	16 18	1 45	7 11	12 47	22 31	22 37	19 57	12 41	1 56	M25
T 26	18 45	25 10	3 0	19 5	1 58	3 46	0 20	15 38	1 13	11 46	1 18	20 44	0 18	8 33	0 37	16 18	1 45	7 12	12 47	22 31	22 37	19 55	12 41	1 56	T 26
W27	18 30	25 15	1 49	18 31	1 55	3 15	0 15	15 48	1 13	11 48	1 18	20 43	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 52	12 41	1 56	W27
T 28	18 14	23 32	0 29	17 57	1 51	2 44	0 11	15 57	1 13	11 49	1 18	20 42	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 50	12 41	1 56	T 28
F 29	17 58	20 7	0s54	17 20	1 47	2 13	0 6	16 7	1 12	11 50	1 18	20 40	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 48	12 42	1 56	F 29
S 30	17 42	15 19	2 14	16 42	1 42	1 43	0 1	16 16	1 12	11 51	1 18	20 39	0 18	8 33	0 37	16 19	1 46	7 12	12 45	22 31	22 39	19 46	12 42	1 56	S 30
S 31	17s25	9n34	3s24	16s 3	1s37	1s12	0n 4	16s25	1n12	11s52	1n19	20s37	0s18	8s33	0n37	16s19	1n46	7n13	12s45	22s31	22s39	19s44	12n42	1s56	S 31

Julian Day Number = 2319327.5, Delta T = 51.84 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'16, Lahiri = 18°48'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

FEBRUARY 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 44 47	12♒18'37	11♍18	22♒47	27♓58	19♏46	4♏43	29♑29	23°R26	20♏53	27°R32	15°R59	14♑51	27♑ 8	9♉ 2	M 1
T 2	8 48 43	13°19'23	25°53	24°34	29° 4	20°19	4°46	29°36	23♎26	20°54	27♉32	15♑55	14°48	27°15	9° 3	T 2
W 3	8 52 40	14°20'08	10♎ 2	26°20	0♈ 9	20°51	4°49	29°43	23°25	20°55	27°32	15°51	14°45	27°21	9° 4	W 3
T 4	8 56 36	15°20'52	23°42	28° 5	1°15	21°23	4°52	29°50	23°25	20°55	27°32	15°48	14°41	27°28	9° 5	T 4
F 5	9 0 33	16°21'34	6♏53	29°50	2°20	21°55	4°55	29°57	23°25	20°56	27°32	15°47	14°38	27°35	9° 6	F 5
S 6	9 4 30	17°22'16	19°40	1♓32	3°25	22°27	4°57	0♒ 4	23°24	20°56	27°32	15°D46	14°35	27°41	9° 8	S 6
S 7	9 8 26	18°22'57	2♐ 4	3°13	4°30	22°59	5° 0	0°11	23°23	20°57	27°31	15°47	14°32	27°48	9° 9	S 7
M 8	9 12 23	19°23'36	14°12	4°52	5°34	23°30	5° 2	0°18	23°23	20°57	27°31	15°49	14°29	27°55	9°10	M 8
T 9	9 16 19	20°24'14	26° 9	6°28	6°38	24° 2	5° 4	0°25	23°22	20°58	27°31	15°51	14°26	28° 1	9°12	T 9
W10	9 20 16	21°24'52	7♑58	8° 0	7°42	24°33	5° 5	0°31	23°21	20°58	27°D31	15°52	14°22	28° 8	9°13	W10
T 11	9 24 12	22°25'27	19°44	9°29	8°45	25° 4	5° 7	0°38	23°21	20°58	27°31	15°R52	14°19	28°15	9°15	T 11
F 12	9 28 9	23°26'01	1♒31	10°53	9°48	25°36	5° 8	0°45	23°20	20°59	27°31	15°51	14°16	28°21	9°16	F 12
S 13	9 32 5	24°26'34	13°20	12°12	10°51	26° 7	5° 9	0°52	23°19	20°59	27°32	15°47	14°13	28°28	9°18	S 13
S 14	9 36 2	25°27'05	25°16	13°26	11°53	26°38	5°10	0°58	23°18	20°59	27°32	15°42	14°10	28°34	9°20	S 14
M15	9 39 59	26°27'35	7♓19	14°32	12°55	27° 8	5°11	1° 5	23°17	20°59	27°32	15°35	14° 6	28°41	9°21	M15
T 16	9 43 55	27°28'03	19°30	15°32	13°57	27°39	5°12	1°12	23°16	21° 0	27°32	15°27	14° 3	28°48	9°23	T 16
W17	9 47 52	28°28'29	1♈52	16°23	14°58	28° 9	5°12	1°18	23°15	21° 0	27°32	15°19	14° 0	28°54	9°25	W17
T 18	9 51 48	29°28'53	14°24	17° 6	15°59	28°40	5°12	1°25	23°14	21° 0	27°32	15°11	13°57	29° 1	9°27	T 18
F 19	9 55 45	0♓29'16	27° 9	17°40	16°59	29°10	5°R12	1°32	23°13	21° 0	27°32	15° 5	13°54	29° 8	9°29	F 19
S 20	9 59 41	1°29'36	10♉ 9	18° 5	17°59	29°40	5°12	1°38	23°11	21° 0	27°32	15° 1	13°51	29°14	9°31	S 20
S 21	10 3 38	2°29'55	23°24	18°21	18°59	0♐ 9	5°12	1°45	23°10	21°R 0	27°33	14°58	13°47	29°21	9°33	S 21
M22	10 7 34	3°30'11	6♊57	18°R26	19°58	0°39	5°11	1°51	23° 9	21° 0	27°33	14°D58	13°44	29°28	9°35	M22
T 23	10 11 31	4°30'26	20°50	18°22	20°56	1° 9	5°11	1°57	23° 8	21° 0	27°33	14°59	13°41	29°34	9°38	T 23
W24	10 15 28	5°30'38	5♋ 3	18° 9	21°54	1°38	5°10	2° 4	23° 6	21° 0	27°34	15° 0	13°38	29°41	9°40	W24
T 25	10 19 24	6°30'49	19°35	17°46	22°52	2° 7	5° 9	2°10	23° 5	21° 0	27°34	15°R 0	13°35	29°48	9°42	T 25
F 26	10 23 21	7°30'57	4♌23	17°15	23°49	2°36	5° 7	2°16	23° 3	21° 0	27°34	14°59	13°32	29°54	9°45	F 26
S 27	10 27 17	8°31'03	19°20	16°36	24°45	3° 5	5° 6	2°23	23° 2	20°59	27°35	14°55	13°28	0♒ 1	9°47	S 27
S 28	10 31 14	9♓31'07	4♍20	15♓50	25♈41	3♐34	5♏ 4	2♒29	23♎ 0	20♏59	27♉35	14♑49	13♑25	0♒ 8	9♉50	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	17s 8	3n21	4s19	15s23	1s31	0s41	0n 9	16s34	1n11	11s53	1n19	20s36	0s18	8s33	0n37	16s19	1n46	7n13	12s45	22s32	22s39	19s42	12n43	1s56	M 1
T 2	16 51	2s53	4 55	14 41	1 24	0 10	0 14	16 43	1 11	11 54	1 19	20 35	0 18	8 33	0 37	16 19	1 46	7 13	12 45	22 32	22 40	19 40	12 43	1 56	T 2
W 3	16 34	8 46	5 12	13 58	1 17	0n21	0 19	16 52	1 10	11 55	1 19	20 33	0 19	8 33	0 37	16 19	1 46	7 13	12 44	22 33	22 40	19 38	12 43	1 56	W 3
T 4	16 16	14 2	5 11	13 14	1 9	0 52	0 24	17 1	1 10	11 55	1 19	20 32	0 19	8 32	0 37	16 19	1 46	7 14	12 44	22 33	22 41	19 35	12 44	1 55	T 4
F 5	15 58	18 27	4 53	12 30	1 0	1 23	0 29	17 10	1 10	11 56	1 20	20 30	0 19	8 32	0 37	16 19	1 46	7 14	12 44	22 33	22 41	19 33	12 44	1 55	F 5
S 6	15 40	21 52	4 21	11 44	0 51	1 54	0 35	17 18	1 9	11 57	1 20	20 29	0 19	8 32	0 37	16 19	1 46	7 14	12 43	22 33	22 41	19 31	12 45	1 55	S 6
S 7	15 21	24 10	3 37	10 58	0 40	2 24	0 40	17 27	1 9	11 57	1 20	20 28	0 19	8 32	0 37	16 19	1 46	7 14	12 43	22 33	22 42	19 29	12 45	1 55	S 7
M 8	15 2	25 17	2 45	10 12	0 29	2 55	0 46	17 35	1 8	11 58	1 20	20 26	0 19	8 31	0 37	16 20	1 46	7 15	12 43	22 33	22 42	19 27	12 45	1 55	M 8
T 9	14 43	25 12	1 46	9 26	0 17	3 25	0 51	17 43	1 8	11 58	1 20	20 25	0 19	8 31	0 37	16 20	1 46	7 15	12 42	22 33	22 42	19 25	12 46	1 55	T 9
W10	14 24	23 58	0 43	8 40	0 5	3 56	0 57	17 51	1 7	11 59	1 21	20 23	0 19	8 31	0 37	16 20	1 46	7 15	12 42	22 33	22 43	19 22	12 46	1 55	W10
T 11	14 4	21 41	0n21	7 54	0n 8	4 26	1 3	17 59	1 7	11 59	1 21	20 22	0 19	8 31	0 37	16 20	1 46	7 16	12 42	22 32	22 43	19 20	12 47	1 55	T 11
F 12	13 44	18 30	1 24	7 10	0 22	4 56	1 9	18 7	1 6	11 59	1 21	20 21	0 19	8 30	0 37	16 20	1 46	7 16	12 42	22 33	22 43	19 18	12 47	1 55	F 12
S 13	13 24	14 33	2 24	6 27	0 36	5 26	1 14	18 15	1 6	11 59	1 21	20 19	0 19	8 30	0 37	16 20	1 46	7 16	12 41	22 33	22 44	19 16	12 48	1 55	S 13
S 14	13 4	10 1	3 18	5 45	0 50	5 56	1 20	18 23	1 5	11 59	1 22	20 18	0 19	8 30	0 37	16 20	1 46	7 17	12 41	22 34	22 44	19 14	12 49	1 55	S 14
M15	12 43	5 5	4 3	5 6	1 5	6 26	1 26	18 30	1 5	12 0	1 22	20 16	0 20	8 29	0 37	16 20	1 46	7 17	12 41	22 34	22 44	19 12	12 49	1 55	M15
T 16	12 23	0n 6	4 38	4 29	1 21	6 56	1 32	18 38	1 4	12 0	1 22	20 15	0 20	8 29	0 37	16 20	1 47	7 17	12 40	22 35	22 45	19 9	12 50	1 55	T 16
W17	12 2	5 20	5 0	3 55	1 36	7 25	1 38	18 45	1 4	12 0	1 22	20 14	0 20	8 28	0 37	16 20	1 47	7 18	12 40	22 36	22 45	19 7	12 50	1 55	W17
T 18	11 41	10 26	5 9	3 24	1 51	7 54	1 44	18 52	1 3	11 59	1 22	20 12	0 20	8 28	0 37	16 20	1 47	7 18	12 40	22 37	22 45	19 5	12 51	1 55	T 18
F 19	11 19	15 10	5 2	2 57	2 6	8 23	1 51	19 0	1 2	11 59	1 23	20 11	0 20	8 27	0 37	16 20	1 47	7 18	12 39	22 38	22 46	19 3	12 52	1 55	F 19
S 20	10 58	19 18	4 40	2 33	2 21	8 52	1 57	19 7	1 2	11 59	1 23	20 10	0 20	8 27	0 37	16 20	1 47	7 19	12 39	22 38	22 46	19 1	12 52	1 55	S 20
S 21	10 36	22 34	4 2	2 14	2 35	9 21	2 3	19 14	1 1	11 59	1 23	20 8	0 20	8 27	0 37	16 20	1 47	7 19	12 39	22 39	22 46	18 58	12 53	1 55	S 21
M22	10 15	24 39	3 11	2 0	2 48	9 49	2 9	19 20	1 1	11 58	1 23	20 7	0 20	8 26	0 37	16 19	1 47	7 19	12 39	22 39	22 47	18 56	12 54	1 55	M22
T 23	9 53	25 17	2 7	1 50	3 1	10 17	2 16	19 27	1 0	11 58	1 23	20 6	0 20	8 25	0 38	16 19	1 47	7 20	12 38	22 39	22 47	18 54	12 54	1 55	T 23
W24	9 31	24 17	0 53	1 45	3 12	10 45	2 22	19 34	0 59	11 57	1 24	20 4	0 20	8 25	0 38	16 19	1 47	7 20	12 38	22 38	22 47	18 52	12 55	1 55	W24
T 25	9 8	21 39	0s25	1 45	3 21	11 12	2 28	19 40	0 59	11 57	1 24	20 3	0 20	8 24	0 38	16 19	1 47	7 20	12 38	22 38	22 48	18 50	12 56	1 55	T 25
F 26	8 46	17 33	1 42	1 50	3 29	11 39	2 35	19 47	0 58	11 56	1 24	20 2	0 21	8 24	0 38	16 19	1 47	7 21	12 37	22 39	22 48	18 47	12 57	1 55	F 26
S 27	8 24	12 18	2 54	1 59	3 35	12 6	2 41	19 53	0 57	11 56	1 24	20 0	0 21	8 23	0 38	16 19	1 47	7 21	12 37	22 39	22 48	18 45	12 57	1 55	S 27
S 28	8s 1	6n19	3s53	2s13	3n40	12n33	2n48	19s59	0n56	11s55	1n24	19s59	0s21	8s23	0n38	16s19	1n47	7n21	12s37	22s40	22s49	18s43	12n58	1s55	S 28

Julian Day Number = 2319358.5, Delta T = 51.78 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'20, Lahiri = 18°48'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

MARCH 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 35 10	10♓31'09	19♍13	14°R59	26♈37	4♐ 2	5°R 2	2♒35	22°R58	20°R59	27♉35	14°R40	13♑22	0♒14	9♉52	M 1
T 2	10 39 7	11°31'10	3♎49	14♓ 4	27°31	4°30	5♏ 0	2°41	22♎57	20♏59	27°36	14♑31	13°19	0°21	9°55	T 2
W 3	10 43 3	12°31'08	18° 3	13° 6	28°25	4°58	4°58	2°47	22°55	20°58	27°36	14°22	13°16	0°28	9°57	W 3
T 4	10 47 0	13°31'05	1♏50	12° 6	29°18	5°26	4°56	2°53	22°53	20°58	27°37	14°14	13°12	0°34	10° 0	T 4
F 5	10 50 57	14°31'00	15° 9	11° 6	0♉11	5°54	4°53	2°59	22°51	20°58	27°37	14° 8	13° 9	0°41	10° 3	F 5
S 6	10 54 53	15°30'54	28° 1	10° 7	1° 3	6°21	4°51	3° 5	22°50	20°57	27°38	14° 4	13° 6	0°47	10° 6	S 6
S 7	10 58 50	16°30'46	10♐29	9°11	1°54	6°49	4°48	3°11	22°48	20°57	27°38	14° 2	13° 3	0°54	10° 8	S 7
M 8	11 2 46	17°30'36	22°39	8°18	2°45	7°16	4°44	3°16	22°46	20°56	27°39	14°D 2	13° 0	1° 1	10°11	M 8
T 9	11 6 43	18°30'24	4♑35	7°30	3°34	7°43	4°41	3°22	22°44	20°56	27°39	14° 3	12°57	1° 7	10°14	T 9
W10	11 10 39	19°30'11	16°24	6°46	4°23	8° 9	4°38	3°28	22°42	20°55	27°40	14°R 3	12°53	1°14	10°17	W10
T 11	11 14 36	20°29'56	28°10	6° 9	5°11	8°35	4°34	3°33	22°40	20°55	27°40	14° 2	12°50	1°21	10°20	T 11
F 12	11 18 32	21°29'39	9♒58	5°37	5°59	9° 2	4°30	3°39	22°38	20°54	27°41	13°59	12°47	1°27	10°23	F 12
S 13	11 22 29	22°29'20	21°53	5°11	6°45	9°27	4°26	3°45	22°36	20°53	27°42	13°53	12°44	1°34	10°26	S 13
S 14	11 26 26	23°29'00	3♓56	4°51	7°30	9°53	4°22	3°50	22°34	20°53	27°42	13°44	12°41	1°41	10°29	S 14
M15	11 30 22	24°28'37	16°10	4°38	8°15	10°18	4°18	3°55	22°32	20°52	27°43	13°33	12°38	1°47	10°33	M15
T 16	11 34 19	25°28'12	28°36	4°31	8°58	10°43	4°13	4° 1	22°29	20°51	27°44	13°20	12°34	1°54	10°36	T 16
W17	11 38 15	26°27'45	11♈15	4°D30	9°40	11° 8	4° 9	4° 6	22°27	20°51	27°44	13° 7	12°31	2° 1	10°39	W17
T 18	11 42 12	27°27'17	24° 6	4°34	10°21	11°33	4° 4	4°11	22°25	20°50	27°45	12°55	12°28	2° 7	10°42	T 18
F 19	11 46 8	28°26'46	7♉ 9	4°45	11° 1	11°57	3°59	4°16	22°23	20°49	27°46	12°45	12°25	2°14	10°46	F 19
S 20	11 50 5	29°26'13	20°23	5° 0	11°40	12°21	3°54	4°21	22°20	20°48	27°47	12°37	12°22	2°21	10°49	S 20
S 21	11 54 1	0♈25'37	3♊49	5°21	12°18	12°45	3°49	4°26	22°18	20°47	27°48	12°32	12°18	2°27	10°53	S 21
M22	11 57 58	1°24'59	17°26	5°46	12°54	13° 8	3°43	4°31	22°16	20°46	27°48	12°29	12°15	2°34	10°56	M22
T 23	12 1 54	2°24'19	1♋15	6°16	13°29	13°31	3°38	4°36	22°14	20°45	27°49	12°D29	12°12	2°41	10°59	T 23
W24	12 5 51	3°23'37	15°17	6°51	14° 3	13°54	3°32	4°41	22°11	20°44	27°50	12°R29	12° 9	2°47	11° 3	W24
T 25	12 9 48	4°22'52	29°32	7°29	14°35	14°16	3°27	4°46	22° 9	20°43	27°51	12°28	12° 6	2°54	11° 7	T 25
F 26	12 13 44	5°22'05	13♌57	8°11	15° 6	14°38	3°21	4°50	22° 6	20°42	27°52	12°26	12° 3	3° 1	11°10	F 26
S 27	12 17 41	6°21'15	28°30	8°57	15°35	15° 0	3°15	4°55	22° 4	20°41	27°53	12°20	11°59	3° 7	11°14	S 27
S 28	12 21 37	7°20'24	13♍ 6	9°46	16° 2	15°21	3° 8	4°59	22° 2	20°40	27°54	12°12	11°56	3°14	11°17	S 28
M29	12 25 34	8°19'29	27°38	10°39	16°28	15°42	3° 2	5° 4	21°59	20°39	27°54	12° 2	11°53	3°21	11°21	M29
T 30	12 29 30	9°18'33	11♎59	11°34	16°52	16° 3	2°56	5° 8	21°57	20°38	27°55	11°50	11°50	3°27	11°25	T 30
W31	12 33 27	10♈17'35	26♎ 3	12♓33	17♉14	16♐23	2♏49	5♒12	21♎54	20♏37	27♉56	11♑38	11♑47	3♒34	11♉29	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s38	0n 3	4s36	2s31	3n42	12n59	2n54	20s 5	0n56	11s54	1n25	19s58	0s21	8s22	0n38	16s19	1n47	7n22	12s37	22s41	22s49	18s41	12n59	1s55
T 2	7 15	6s 7	5 0	2 52	3 42	13 25	3 1	20 11	0 55	11 53	1 25	19 56	0 21	8 21	0 38	16 19	1 47	7 22	12 36	22 42	22 49	18 38	13 0	1 55
W 3	6 53	11 47	5 5	3 16	3 40	13 51	3 7	20 17	0 54	11 52	1 25	19 55	0 21	8 21	0 38	16 19	1 47	7 22	12 36	22 43	22 49	18 36	13 1	1 55
T 4	6 30	16 41	4 51	3 43	3 36	14 16	3 14	20 23	0 53	11 51	1 25	19 54	0 21	8 20	0 38	16 18	1 47	7 23	12 36	22 44	22 50	18 34	13 2	1 55
F 5	6 6	20 35	4 22	4 11	3 30	14 41	3 20	20 28	0 52	11 50	1 25	19 52	0 21	8 19	0 38	16 18	1 47	7 23	12 35	22 44	22 50	18 32	13 2	1 55
S 6	5 43	23 20	3 41	4 40	3 22	15 6	3 27	20 34	0 52	11 49	1 25	19 51	0 21	8 19	0 38	16 18	1 48	7 24	12 35	22 45	22 50	18 29	13 3	1 55
S 7	5 20	24 52	2 50	5 10	3 13	15 30	3 33	20 39	0 51	11 48	1 26	19 50	0 21	8 18	0 38	16 18	1 48	7 24	12 35	22 45	22 51	18 27	13 4	1 55
M 8	4 57	25 9	1 52	5 40	3 2	15 53	3 40	20 45	0 50	11 47	1 26	19 49	0 21	8 17	0 38	16 18	1 48	7 24	12 35	22 45	22 51	18 25	13 5	1 55
T 9	4 33	24 15	0 50	6 9	2 50	16 17	3 47	20 50	0 49	11 46	1 26	19 47	0 22	8 16	0 38	16 18	1 48	7 25	12 34	22 45	22 51	18 23	13 6	1 55
W10	4 10	22 16	0n13	6 37	2 37	16 40	3 53	20 55	0 48	11 44	1 26	19 46	0 22	8 16	0 38	16 17	1 48	7 25	12 34	22 45	22 52	18 20	13 7	1 55
T 11	3 46	19 21	1 15	7 4	2 23	17 2	4 0	21 0	0 47	11 43	1 26	19 45	0 22	8 15	0 38	16 17	1 48	7 26	12 34	22 45	22 52	18 18	13 8	1 55
F 12	3 23	15 38	2 14	7 29	2 9	17 24	4 6	21 5	0 46	11 41	1 27	19 44	0 22	8 14	0 38	16 17	1 48	7 26	12 33	22 45	22 52	18 16	13 9	1 55
S 13	2 59	11 18	3 7	7 52	1 54	17 46	4 13	21 10	0 45	11 40	1 27	19 43	0 22	8 13	0 38	16 17	1 48	7 26	12 33	22 46	22 53	18 14	13 10	1 55
S 14	2 36	6 28	3 53	8 13	1 39	18 7	4 19	21 15	0 44	11 38	1 27	19 41	0 22	8 13	0 38	16 16	1 48	7 27	12 33	22 47	22 53	18 11	13 11	1 55
M15	2 12	1 21	4 28	8 31	1 24	18 28	4 25	21 20	0 43	11 37	1 27	19 40	0 22	8 12	0 38	16 16	1 48	7 27	12 33	22 48	22 53	18 9	13 12	1 55
T 16	1 48	3n54	4 52	8 48	1 9	18 48	4 32	21 24	0 42	11 35	1 27	19 39	0 22	8 11	0 38	16 16	1 48	7 28	12 32	22 49	22 53	18 7	13 13	1 55
W17	1 25	9 4	5 1	9 2	0 55	19 8	4 38	21 29	0 41	11 33	1 27	19 38	0 22	8 10	0 38	16 16	1 48	7 28	12 32	22 50	22 54	18 4	13 14	1 55
T 18	1 1	13 57	4 56	9 14	0 40	19 27	4 44	21 33	0 40	11 32	1 27	19 37	0 22	8 9	0 38	16 16	1 48	7 28	12 32	22 52	22 54	18 2	13 15	1 55
F 19	0 37	18 15	4 35	9 23	0 26	19 45	4 50	21 38	0 39	11 30	1 28	19 36	0 23	8 9	0 38	16 15	1 48	7 29	12 32	22 53	22 54	18 0	13 16	1 55
S 20	0 13	21 43	3 59	9 30	0 12	20 4	4 56	21 42	0 37	11 28	1 28	19 35	0 23	8 8	0 38	16 15	1 48	7 29	12 31	22 53	22 55	17 58	13 17	1 55
S 21	0n10	24 3	3 9	9 35	0s 1	20 21	5 2	21 46	0 36	11 26	1 28	19 33	0 23	8 7	0 38	16 15	1 48	7 30	12 31	22 54	22 55	17 55	13 18	1 55
M22	0 34	25 1	2 9	9 38	0 14	20 38	5 8	21 51	0 35	11 24	1 28	19 32	0 23	8 6	0 38	16 14	1 48	7 30	12 31	22 54	22 55	17 53	13 19	1 55
T 23	0 58	24 28	0 59	9 38	0 26	20 54	5 14	21 55	0 34	11 22	1 28	19 31	0 23	8 5	0 38	16 14	1 48	7 30	12 31	22 54	22 56	17 51	13 20	1 55
W24	1 21	22 22	0s15	9 36	0 38	21 10	5 20	21 59	0 32	11 20	1 28	19 30	0 23	8 4	0 38	16 14	1 48	7 31	12 30	22 54	22 56	17 48	13 21	1 55
T 25	1 45	18 50	1 29	9 32	0 49	21 25	5 25	22 3	0 31	11 18	1 28	19 29	0 23	8 3	0 38	16 14	1 48	7 31	12 30	22 54	22 56	17 46	13 22	1 55
F 26	2 8	14 9	2 38	9 26	1 0	21 40	5 31	22 7	0 30	11 16	1 28	19 28	0 23	8 2	0 38	16 13	1 49	7 32	12 30	22 54	22 56	17 44	13 23	1 55
S 27	2 32	8 37	3 38	9 19	1 10	21 53	5 36	22 10	0 28	11 14	1 29	19 27	0 23	8 1	0 38	16 13	1 49	7 32	12 30	22 55	22 57	17 41	13 24	1 55
S 28	2 55	2 36	4 23	9 9	1 20	22 7	5 41	22 14	0 27	11 12	1 29	19 26	0 24	8 1	0 38	16 13	1 49	7 33	12 29	22 56	22 57	17 39	13 26	1 55
M29	3 18	3s30	4 51	8 57	1 29	22 19	5 46	22 18	0 25	11 10	1 29	19 25	0 24	8 0	0 38	16 12	1 49	7 33	12 29	22 57	22 57	17 37	13 27	1 55
T 30	3 42	9 21	5 0	8 44	1 37	22 31	5 51	22 21	0 24	11 7	1 29	19 24	0 24	7 59	0 38	16 12	1 49	7 33	12 29	22 58	22 58	17 34	13 28	1 55
W31	4n 5	14s35	4s51	8s29	1s45	22n42	5n56	22s25	0n22	11s 5	1n29	19s23	0s24	7s58	0n38	16s12	1n49	7n34	12s29	22s59	22s58	17s32	13n29	1s55

Julian Day Number = 2319386.5, Delta T = 51.72 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'24, Lahiri = 18°48'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

APRIL 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 37 23	11♈16'35	9♏44	13♓34	17♉35	16♐43	2°R43	5♒17	21°R52	20°R36	27♉57	11°R27	11♎43	3♒40	11♉32	T 1
F 2	12 41 20	12°15'33	23° 1	14°38	17°53	17° 3	2♏36	5°21	21♑49	20♏35	27°58	11♎18	11°40	3°47	11°36	F 2
S 3	12 45 17	13°14'29	5♐54	15°45	18°10	17°22	2°29	5°25	21°47	20°34	27°59	11°12	11°37	3°54	11°40	S 3
S 4	12 49 13	14°13'23	18°25	16°53	18°24	17°41	2°22	5°29	21°44	20°32	28° 0	11° 8	11°34	4° 0	11°44	S 4
M 5	12 53 10	15°12'16	0♎37	18° 5	18°37	17°59	2°15	5°33	21°42	20°31	28° 1	11° 7	11°31	4° 7	11°48	M 5
T 6	12 57 6	16°11'07	12°36	19°18	18°47	18°17	2° 8	5°36	21°39	20°30	28° 2	11° 7	11°28	4°14	11°51	T 6
W 7	13 1 3	17° 9'56	24°26	20°34	18°55	18°34	2° 1	5°40	21°36	20°29	28° 3	11° 6	11°24	4°20	11°55	W 7
T 8	13 4 59	18° 8'43	6♒14	21°51	19° 1	18°51	1°54	5°44	21°34	20°27	28° 5	11° 5	11°21	4°27	11°59	T 8
F 9	13 8 56	19° 7'29	18° 5	23°11	19° 4	19° 8	1°47	5°47	21°31	20°26	28° 6	11° 2	11°18	4°34	12° 3	F 9
S 10	13 12 52	20° 6'12	0♓ 3	24°32	19°R 5	19°24	1°40	5°51	21°29	20°25	28° 7	10°57	11°15	4°40	12° 7	S 10
S 11	13 16 49	21° 4'54	12°13	25°56	19° 4	19°39	1°32	5°54	21°26	20°23	28° 8	10°49	11°12	4°47	12°11	S 11
M12	13 20 46	22° 3'34	24°37	27°21	19° 1	19°55	1°25	5°58	21°24	20°22	28° 9	10°38	11° 9	4°54	12°15	M12
T 13	13 24 42	23° 2'13	7♈18	28°49	18°54	20° 9	1°17	6° 1	21°21	20°21	28°10	10°26	11° 5	5° 0	12°19	T 13
W14	13 28 39	24° 0'49	20°14	0♈18	18°46	20°23	1°10	6° 4	21°18	20°19	28°11	10°13	11° 2	5° 7	12°23	W14
T 15	13 32 35	24°59'23	3♉26	1°48	18°35	20°37	1° 2	6° 7	21°16	20°18	28°12	10° 1	10°59	5°14	12°28	T 15
F 16	13 36 32	25°57'56	16°52	3°21	18°22	20°50	0°55	6°10	21°13	20°16	28°14	9°51	10°56	5°20	12°32	F 16
S 17	13 40 28	26°56'27	0♊29	4°55	18° 6	21° 2	0°47	6°13	21°11	20°15	28°15	9°43	10°53	5°27	12°36	S 17
S 18	13 44 25	27°54'55	14°15	6°31	17°47	21°14	0°39	6°16	21° 8	20°13	28°16	9°38	10°49	5°34	12°40	S 18
M19	13 48 21	28°53'22	28° 9	8° 9	17°27	21°25	0°32	6°18	21° 6	20°12	28°17	9°36	10°46	5°40	12°44	M19
T 20	13 52 18	29°51'46	12♋ 8	9°49	17° 4	21°36	0°24	6°21	21° 3	20°10	28°18	9°D35	10°43	5°47	12°48	T 20
W21	13 56 15	0♉50'08	26°11	11°30	16°39	21°46	0°16	6°24	21° 1	20° 9	28°20	9°R36	10°40	5°54	12°52	W21
T 22	14 0 11	1°48'28	10♌19	13°13	16°12	21°56	0° 9	6°26	20°58	20° 7	28°21	9°35	10°37	6° 0	12°56	T 22
F 23	14 4 8	2°46'46	24°30	14°58	15°43	22° 5	0° 1	6°28	20°56	20° 6	28°22	9°34	10°34	6° 7	13° 1	F 23
S 24	14 8 4	3°45'02	8♍42	16°44	15°12	22°13	29♎53	6°31	20°53	20° 4	28°23	9°29	10°30	6°14	13° 5	S 24
S 25	14 12 1	4°43'15	22°52	18°33	14°39	22°21	29°46	6°33	20°51	20° 3	28°25	9°23	10°27	6°20	13° 9	S 25
M26	14 15 57	5°41'27	6♎57	20°23	14° 6	22°28	29°38	6°35	20°48	20° 1	28°26	9°14	10°24	6°27	13°13	M26
T 27	14 19 54	6°39'37	20°52	22°15	13°30	22°34	29°31	6°37	20°46	20° 0	28°27	9° 4	10°21	6°34	13°17	T 27
W28	14 23 50	7°37'45	4♏33	24° 8	12°54	22°40	29°23	6°39	20°43	19°58	28°28	8°54	10°18	6°40	13°22	W28
T 29	14 27 47	8°35'51	17°58	26° 3	12°17	22°45	29°15	6°40	20°41	19°57	28°30	8°45	10°15	6°47	13°26	T 29
F 30	14 31 44	9♉33'55	1♐ 3	28♈ 1	11♉40	22♐50	29♎ 8	6♒42	20♎39	19♏55	28♉31	8♎37	10♎11	6♒54	13♉30	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n28	18s57	4s25	8s12	1s52	22n52	6n 0	22s29	0n21	11s 3	1n29	19s22	0s24	7s57	0n38	16s11	1n49	7n34	12s28	23s 0	22s58	17s30	13n30	1s55
F 2	4 51	22 12	3 45	7 53	1 59	23 1	6 4	22 32	0 19	11 0	1 29	19 22	0 24	7 56	0 38	16 11	1 49	7 35	12 28	23 0	22 58	17 27	13 31	1 55
S 3	5 14	24 12	2 55	7 33	2 5	23 9	6 8	22 36	0 18	10 58	1 29	19 21	0 24	7 55	0 38	16 11	1 49	7 35	12 28	23 1	22 59	17 25	13 32	1 55
S 4	5 37	24 56	1 57	7 12	2 11	23 17	6 12	22 39	0 16	10 56	1 29	19 20	0 24	7 54	0 38	16 10	1 49	7 36	12 28	23 1	22 59	17 23	13 33	1 55
M 5	6 0	24 24	0 55	6 49	2 16	23 24	6 15	22 42	0 14	10 53	1 29	19 19	0 24	7 53	0 38	16 10	1 49	7 36	12 28	23 1	22 59	17 20	13 35	1 55
T 6	6 23	22 45	0n 8	6 24	2 21	23 30	6 18	22 46	0 13	10 51	1 29	19 18	0 25	7 52	0 38	16 10	1 49	7 36	12 27	23 1	22 59	17 18	13 36	1 55
W 7	6 45	20 7	1 10	5 58	2 25	23 34	6 21	22 49	0 11	10 48	1 29	19 17	0 25	7 51	0 38	16 9	1 49	7 37	12 27	23 1	23 0	17 16	13 37	1 55
T 8	7 8	16 40	2 9	5 30	2 28	23 38	6 23	22 52	0 9	10 46	1 29	19 17	0 25	7 50	0 38	16 9	1 49	7 37	12 27	23 1	23 0	17 13	13 38	1 55
F 9	7 30	12 33	3 3	5 1	2 31	23 41	6 25	22 55	0 7	10 43	1 29	19 16	0 25	7 49	0 38	16 8	1 49	7 38	12 27	23 2	23 0	17 11	13 39	1 55
S 10	7 52	7 54	3 49	4 31	2 34	23 43	6 26	22 59	0 5	10 41	1 29	19 15	0 25	7 48	0 38	16 8	1 49	7 38	12 27	23 2	23 1	17 9	13 40	1 55
S 11	8 15	2 55	4 25	4 0	2 35	23 43	6 27	23 2	0 3	10 38	1 29	19 14	0 25	7 47	0 38	16 8	1 49	7 38	12 26	23 3	23 1	17 6	13 42	1 55
M12	8 37	2n17	4 49	3 27	2 37	23 43	6 28	23 5	0 1	10 35	1 29	19 14	0 25	7 46	0 38	16 7	1 49	7 39	12 26	23 4	23 1	17 4	13 43	1 55
T 13	8 58	7 30	5 0	2 53	2 37	23 41	6 28	23 8	0s 1	10 33	1 29	19 13	0 25	7 45	0 38	16 7	1 49	7 39	12 26	23 5	23 1	17 1	13 44	1 55
W14	9 20	12 30	4 56	2 18	2 38	23 38	6 28	23 11	0 3	10 30	1 29	19 12	0 25	7 44	0 38	16 6	1 49	7 40	12 26	23 6	23 2	16 59	13 45	1 55
T 15	9 42	17 1	4 37	1 41	2 37	23 34	6 27	23 14	0 5	10 28	1 29	19 12	0 26	7 44	0 38	16 6	1 49	7 40	12 26	23 6	23 2	16 57	13 46	1 56
F 16	10 3	20 45	4 1	1 4	2 37	23 29	6 25	23 17	0 7	10 25	1 29	19 11	0 26	7 43	0 38	16 6	1 49	7 41	12 25	23 7	23 2	16 54	13 48	1 56
S 17	10 24	23 25	3 12	0 25	2 35	23 22	6 23	23 20	0 9	10 22	1 29	19 10	0 26	7 42	0 38	16 5	1 49	7 41	12 25	23 8	23 2	16 52	13 49	1 56
S 18	10 45	24 43	2 10	0n15	2 33	23 14	6 20	23 23	0 12	10 20	1 29	19 10	0 26	7 41	0 38	16 5	1 49	7 41	12 25	23 8	23 3	16 50	13 50	1 56
M19	11 6	24 29	1 0	0 56	2 31	23 5	6 16	23 26	0 14	10 17	1 29	19 9	0 26	7 40	0 38	16 4	1 49	7 42	12 25	23 8	23 3	16 47	13 51	1 56
T 20	11 27	22 42	0s14	1 38	2 28	22 54	6 12	23 30	0 16	10 14	1 29	19 9	0 26	7 39	0 38	16 4	1 49	7 42	12 25	23 8	23 3	16 45	13 52	1 56
W21	11 47	19 32	1 27	2 20	2 25	22 42	6 7	23 33	0 19	10 12	1 29	19 8	0 26	7 38	0 38	16 4	1 49	7 43	12 25	23 8	23 3	16 42	13 54	1 56
T 22	12 8	15 11	2 36	3 4	2 21	22 29	6 2	23 36	0 21	10 9	1 29	19 8	0 26	7 37	0 38	16 3	1 49	7 43	12 24	23 8	23 4	16 40	13 55	1 56
F 23	12 28	10 0	3 35	3 49	2 16	22 14	5 56	23 39	0 24	10 7	1 29	19 7	0 27	7 36	0 38	16 3	1 49	7 43	12 24	23 8	23 4	16 38	13 56	1 56
S 24	12 48	4 17	4 21	4 34	2 11	21 58	5 49	23 42	0 26	10 4	1 29	19 7	0 27	7 35	0 38	16 2	1 49	7 44	12 24	23 9	23 4	16 35	13 57	1 56
S 25	13 7	1s37	4 51	5 21	2 6	21 41	5 41	23 45	0 29	10 1	1 29	19 6	0 27	7 34	0 38	16 2	1 49	7 44	12 24	23 9	23 4	16 33	13 58	1 56
M26	13 27	7 24	5 3	6 8	1 59	21 23	5 33	23 48	0 32	9 59	1 29	19 6	0 27	7 33	0 38	16 1	1 49	7 45	12 24	23 10	23 5	16 30	13 59	1 56
T 27	13 46	12 45	4 57	6 56	1 53	21 3	5 23	23 51	0 34	9 56	1 29	19 6	0 27	7 32	0 38	16 1	1 49	7 45	12 24	23 11	23 5	16 28	14 1	1 56
W28	14 5	17 22	4 34	7 44	1 46	20 43	5 14	23 54	0 37	9 54	1 29	19 5	0 27	7 31	0 38	16 1	1 49	7 45	12 24	23 11	23 5	16 25	14 2	1 56
T 29	14 24	20 59	3 56	8 33	1 38	20 22	5 3	23 57	0 40	9 51	1 29	19 5	0 27	7 31	0 38	16 0	1 49	7 46	12 23	23 12	23 5	16 23	14 3	1 56
F 30	14n42	23s27	3s 6	9n23	1s31	19n59	4n52	24s 0	0s43	9s48	1n29	19s 5	0s27	7s30	0n38	16s 0	1n49	7n46	12s23	23s12	23s 6	16s21	14n 4	1s56

Julian Day Number = 2319417.5, Delta T = 51.66 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'28, Lahiri = 18°48'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

MAY 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 35 40	10♉31'58	13♐49	29♈59	11°R 2	22♐54	29°R 1	6♒44	20°R36	19°R53	28♉32	8°R32	10♑ 8	7♒ 0	13♉34	S 1
S 2	14 39 37	11°30'00	26°16	2♉ 0	10♉24	22°57	28♎53	6°45	20♎34	19♏52	28°33	8♑29	10° 5	7° 7	13°39	S 2
M 3	14 43 33	12°28'00	8♑27	4° 2	9°46	22°59	28°46	6°47	20°32	19°50	28°35	8°D28	10° 2	7°14	13°43	M 3
T 4	14 47 30	13°25'59	20°26	6° 6	9° 9	23° 1	28°39	6°48	20°29	19°49	28°36	8°29	9°59	7°20	13°47	T 4
W 5	14 51 26	14°23'56	2♒18	8°11	8°32	23° 1	28°32	6°49	20°27	19°47	28°37	8°30	9°55	7°27	13°51	W 5
T 6	14 55 23	15°21'52	14° 7	10°18	7°57	23°R 2	28°24	6°50	20°25	19°45	28°39	8°R31	9°52	7°34	13°56	T 6
F 7	14 59 19	16°19'47	26° 0	12°26	7°22	23° 1	28°17	6°51	20°22	19°44	28°40	8°30	9°49	7°40	14° 0	F 7
S 8	15 3 16	17°17'40	8♓ 0	14°35	6°49	23° 0	28°11	6°52	20°20	19°42	28°41	8°28	9°46	7°47	14° 4	S 8
S 9	15 7 13	18°15'32	20°13	16°44	6°17	22°57	28° 4	6°53	20°18	19°40	28°43	8°23	9°43	7°53	14° 8	S 9
M10	15 11 9	19°13'23	2♈43	18°55	5°47	22°54	27°57	6°54	20°16	19°39	28°44	8°17	9°40	8° 0	14°13	M10
T 11	15 15 6	20°11'12	15°32	21° 6	5°19	22°51	27°50	6°54	20°14	19°37	28°45	8°10	9°36	8° 7	14°17	T 11
W12	15 19 2	21° 9'00	28°41	23°17	4°53	22°46	27°44	6°55	20°12	19°36	28°47	8° 2	9°33	8°13	14°21	W12
T 13	15 22 59	22° 6'47	12♉11	25°28	4°29	22°41	27°37	6°55	20°10	19°34	28°48	7°54	9°30	8°20	14°25	T 13
F 14	15 26 55	23° 4'33	25°58	27°39	4° 8	22°35	27°31	6°56	20° 8	19°32	28°50	7°47	9°27	8°27	14°30	F 14
S 15	15 30 52	24° 2'18	9♊59	29°50	3°48	22°28	27°25	6°56	20° 6	19°31	28°51	7°43	9°24	8°33	14°34	S 15
S 16	15 34 48	25° 0'01	24°11	1♊59	3°31	22°21	27°19	6°56	20° 4	19°29	28°52	7°40	9°21	8°40	14°38	S 16
M17	15 38 45	25°57'42	8♋29	4° 7	3°16	22°13	27°13	6°R56	20° 2	19°27	28°54	7°D39	9°17	8°47	14°42	M17
T 18	15 42 42	26°55'22	22°48	6°14	3° 4	22° 4	27° 7	6°56	20° 0	19°26	28°55	7°40	9°14	8°53	14°46	T 18
W19	15 46 38	27°53'01	7♌ 6	8°19	2°53	21°54	27° 1	6°56	19°58	19°24	28°56	7°41	9°11	9° 0	14°51	W19
T 20	15 50 35	28°50'37	21°20	10°22	2°46	21°44	26°55	6°55	19°56	19°23	28°58	7°42	9° 8	9° 7	14°55	T 20
F 21	15 54 31	29°48'13	5♍28	12°23	2°41	21°33	26°50	6°55	19°54	19°21	28°59	7°R42	9° 5	9°13	14°59	F 21
S 22	15 58 28	0♊45'46	19°28	14°23	2°38	21°21	26°44	6°55	19°53	19°19	29° 0	7°41	9° 1	9°20	15° 3	S 22
S 23	16 2 24	1°43'19	3♎19	16°19	2°D37	21° 9	26°39	6°54	19°51	19°18	29° 2	7°38	8°58	9°27	15° 7	S 23
M24	16 6 21	2°40'49	17° 0	18°13	2°39	20°55	26°34	6°53	19°49	19°16	29° 3	7°34	8°55	9°33	15°11	M24
T 25	16 10 17	3°38'19	0♏29	20° 5	2°43	20°42	26°29	6°53	19°48	19°15	29° 4	7°29	8°52	9°40	15°15	T 25
W26	16 14 14	4°35'47	13°45	21°54	2°49	20°27	26°25	6°52	19°46	19°13	29° 6	7°23	8°49	9°47	15°19	W26
T 27	16 18 11	5°33'15	26°46	23°41	2°58	20°13	26°20	6°51	19°45	19°12	29° 7	7°18	8°46	9°53	15°23	T 27
F 28	16 22 7	6°30'41	9♐33	25°24	3° 8	19°57	26°15	6°50	19°43	19°10	29° 9	7°15	8°42	10° 0	15°28	F 28
S 29	16 26 4	7°28'06	22° 5	27° 5	3°21	19°41	26°11	6°49	19°42	19° 9	29°10	7°12	8°39	10° 7	15°32	S 29
S 30	16 30 0	8°25'31	4♑22	28°43	3°36	19°25	26° 7	6°48	19°40	19° 7	29°11	7°D11	8°36	10°13	15°36	S 30
M31	16 33 57	9♊22'54	16♑28	0♋18	3♉52	19♐ 8	26♎ 3	6♒46	19♎39	19♏ 6	29♉13	7♑12	8♑33	10♒20	15♉40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15n 1	24s37	2s 8	10n12	1s22	19n36	4n41	24s 3	0s46	9s46	1n28	19s 4	0s28	7s29	0n38	15s59	1n50	7n46	12s23	23s13	23s 6	16s18	14n 5	1s57	S 1
S 2	15 19	24 31	1 5	11 3	1 13	19 13	4 28	24 6	0 49	9 43	1 28	19 4	0 28	7 28	0 38	15 59	1 50	7 47	12 23	23 13	23 6	16 16	14 7	1 57	S 2
M 3	15 37	23 13	0 0	11 53	1 4	18 49	4 16	24 10	0 52	9 41	1 28	19 4	0 28	7 27	0 38	15 58	1 50	7 47	12 23	23 13	23 6	16 13	14 8	1 57	M 3
T 4	15 54	20 53	1n 4	12 43	0 55	18 24	4 3	24 13	0 55	9 39	1 28	19 4	0 28	7 26	0 38	15 58	1 50	7 48	12 23	23 13	23 7	16 11	14 9	1 57	T 4
W 5	16 11	17 40	2 5	13 33	0 45	18 0	3 49	24 16	0 58	9 36	1 28	19 3	0 28	7 25	0 38	15 58	1 50	7 48	12 23	23 13	23 7	16 8	14 10	1 57	W 5
T 6	16 28	13 45	3 0	14 23	0 35	17 35	3 36	24 19	1 1	9 34	1 28	19 3	0 28	7 25	0 38	15 57	1 50	7 48	12 23	23 13	23 7	16 6	14 11	1 57	T 6
F 7	16 45	9 19	3 47	15 12	0 25	17 10	3 22	24 22	1 4	9 31	1 28	19 3	0 28	7 24	0 38	15 57	1 50	7 49	12 23	23 13	23 7	16 4	14 12	1 57	F 7
S 8	17 2	4 29	4 26	16 1	0 14	16 46	3 8	24 25	1 7	9 29	1 28	19 3	0 28	7 23	0 38	15 56	1 50	7 49	12 23	23 13	23 8	16 1	14 14	1 57	S 8
S 9	17 18	0n36	4 52	16 49	0 4	16 22	2 53	24 29	1 11	9 27	1 27	19 3	0 29	7 22	0 37	15 56	1 50	7 49	12 22	23 13	23 8	15 59	14 15	1 57	S 9
M10	17 34	5 46	5 6	17 35	0n 7	15 58	2 39	24 32	1 14	9 24	1 27	19 3	0 29	7 21	0 37	15 55	1 50	7 50	12 22	23 14	23 8	15 56	14 16	1 57	M10
T 11	17 50	10 49	5 5	18 21	0 17	15 35	2 24	24 35	1 18	9 22	1 27	19 3	0 29	7 21	0 37	15 55	1 50	7 50	12 22	23 14	23 8	15 54	14 17	1 57	T 11
W12	18 5	15 31	4 48	19 5	0 28	15 13	2 10	24 38	1 21	9 20	1 27	19 3	0 29	7 20	0 37	15 54	1 50	7 50	12 22	23 15	23 9	15 51	14 18	1 58	W12
T 13	18 20	19 34	4 15	19 47	0 38	14 52	1 56	24 41	1 25	9 18	1 27	19 3	0 29	7 19	0 37	15 54	1 50	7 51	12 22	23 15	23 9	15 49	14 19	1 58	T 13
F 14	18 35	22 37	3 26	20 27	0 48	14 31	1 42	24 45	1 28	9 16	1 27	19 3	0 29	7 18	0 37	15 54	1 50	7 51	12 22	23 15	23 9	15 46	14 21	1 58	F 14
S 15	18 49	24 22	2 24	21 5	0 58	14 11	1 28	24 48	1 32	9 14	1 26	19 3	0 29	7 18	0 37	15 53	1 50	7 51	12 22	23 16	23 9	15 44	14 22	1 58	S 15
S 16	19 3	24 34	1 12	21 41	1 7	13 52	1 14	24 51	1 35	9 12	1 26	19 3	0 29	7 17	0 37	15 53	1 50	7 52	12 22	23 16	23 9	15 41	14 23	1 58	S 16
M17	19 17	23 8	0s 4	22 15	1 16	13 34	1 0	24 54	1 39	9 10	1 26	19 3	0 30	7 16	0 37	15 52	1 50	7 52	12 22	23 16	23 10	15 39	14 24	1 58	M17
T 18	19 31	20 13	1 21	22 46	1 24	13 18	0 47	24 57	1 43	9 8	1 26	19 3	0 30	7 16	0 37	15 52	1 49	7 52	12 22	23 16	23 10	15 37	14 25	1 58	T 18
W19	19 44	16 4	2 33	23 15	1 32	13 2	0 34	25 1	1 46	9 6	1 26	19 3	0 30	7 15	0 37	15 51	1 49	7 53	12 22	23 16	23 10	15 34	14 26	1 58	W19
T 20	19 56	11 1	3 35	23 41	1 39	12 48	0 22	25 4	1 50	9 4	1 25	19 4	0 30	7 14	0 37	15 51	1 49	7 53	12 22	23 16	23 10	15 32	14 27	1 58	T 20
F 21	20 9	5 26	4 24	24 4	1 45	12 34	0 9	25 7	1 54	9 2	1 25	19 4	0 30	7 14	0 37	15 51	1 49	7 53	12 22	23 16	23 11	15 29	14 28	1 59	F 21
S 22	20 21	0s21	4 56	24 24	1 51	12 22	0s 3	25 10	1 58	9 1	1 25	19 4	0 30	7 13	0 37	15 50	1 49	7 54	12 22	23 16	23 11	15 27	14 29	1 59	S 22
S 23	20 33	6 4	5 10	24 42	1 56	12 11	0 14	25 13	2 1	8 59	1 25	19 4	0 30	7 12	0 37	15 50	1 49	7 54	12 22	23 16	23 11	15 24	14 31	1 59	S 23
M24	20 44	11 25	5 7	24 58	2 0	12 1	0 25	25 16	2 5	8 57	1 24	19 5	0 30	7 12	0 37	15 49	1 49	7 54	12 22	23 16	23 11	15 22	14 32	1 59	M24
T 25	20 55	16 8	4 47	25 10	2 4	11 52	0 36	25 18	2 9	8 56	1 24	19 5	0 31	7 11	0 37	15 49	1 49	7 55	12 22	23 17	23 11	15 19	14 33	1 59	T 25
W26	21 6	19 59	4 11	25 21	2 7	11 45	0 47	25 21	2 13	8 54	1 24	19 5	0 31	7 11	0 37	15 49	1 49	7 55	12 22	23 17	23 12	15 17	14 34	1 59	W26
T 27	21 16	22 46	3 23	25 29	2 9	11 38	0 57	25 24	2 17	8 53	1 24	19 6	0 31	7 10	0 37	15 48	1 49	7 55	12 22	23 17	23 12	15 14	14 35	1 59	T 27
F 28	21 26	24 19	2 26	25 34	2 10	11 32	1 7	25 26	2 21	8 51	1 24	19 6	0 31	7 9	0 37	15 48	1 49	7 55	12 22	23 17	23 12	15 12	14 36	1 59	F 28
S 29	21 36	24 37	1 22	25 37	2 10	11 28	1 16	25 29	2 24	8 50	1 23	19 6	0 31	7 9	0 37	15 47	1 49	7 56	12 22	23 17	23 12	15 9	14 37	2 0	S 29
S 30	21 45	23 40	0 15	25 39	2 10	11 25	1 25	25 31	2 28	8 49	1 23	19 7	0 31	7 8	0 37	15 47	1 49	7 56	12 22	23 17	23 12	15 7	14 38	2 0	S 30
M31	21n54	21s38	0n51	25n38	2n 9	11n22	1s33	25s34	2s32	8s48	1n23	19s 7	0s31	7s 8	0n37	15s47	1n49	7n56	12s22	23s17	23s13	15s 4	14n39	2s 0	M31

Julian Day Number = 2319447.5, Delta T = 51.60 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'32, Lahiri = 18°48'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

JUNE 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 37 53	10♊20'17	28♉25	1♋51	4♉11	18°R51	25°R59	6°R45	19°R38	19°R 4	29♉14	7♉13	8♉30	10♒27	15♉44	T 1
W 2	16 41 50	11°17'39	10♒16	3°20	4°31	18♐33	25♎56	6♒43	19♎36	19♏ 3	29°15	7°15	8°27	10°33	15°48	W 2
T 3	16 45 46	12°15'01	22° 6	4°47	4°54	18°15	25°52	6°42	19°35	19° 1	29°17	7°16	8°23	10°40	15°51	T 3
F 4	16 49 43	13°12'22	3♓59	6°11	5°17	17°56	25°49	6°40	19°34	19° 0	29°18	7°17	8°20	10°47	15°55	F 4
S 5	16 53 40	14° 9'42	16° 0	7°32	5°43	17°38	25°46	6°38	19°33	18°58	29°19	7°R18	8°17	10°53	15°59	S 5
S 6	16 57 36	15° 7'02	28°13	8°49	6°10	17°19	25°43	6°37	19°32	18°57	29°21	7°17	8°14	11° 0	16° 3	S 6
M 7	17 1 33	16° 4'21	10♈43	10° 4	6°39	16°59	25°40	6°35	19°31	18°55	29°22	7°15	8°11	11° 7	16° 7	M 7
T 8	17 5 29	17° 1'40	23°34	11°16	7° 9	16°40	25°37	6°33	19°30	18°54	29°23	7°13	8° 7	11°13	16°11	T 8
W 9	17 9 26	17°58'59	6♉48	12°24	7°41	16°21	25°35	6°31	19°29	18°53	29°25	7°10	8° 4	11°20	16°15	W 9
T 10	17 13 22	18°56'17	20°26	13°30	8°14	16° 1	25°32	6°28	19°28	18°51	29°26	7° 8	8° 1	11°27	16°18	T 10
F 11	17 17 19	19°53'35	4♊27	14°32	8°48	15°42	25°30	6°26	19°27	18°50	29°27	7° 6	7°58	11°33	16°22	F 11
S 12	17 21 15	20°50'52	18°47	15°30	9°23	15°22	25°28	6°24	19°26	18°49	29°28	7° 4	7°55	11°40	16°26	S 12
S 13	17 25 12	21°48'09	3♋21	16°26	10° 0	15° 3	25°27	6°21	19°25	18°47	29°30	7°D 4	7°52	11°47	16°29	S 13
M14	17 29 9	22°45'25	18° 4	17°17	10°38	14°43	25°25	6°19	19°25	18°46	29°31	7° 4	7°48	11°53	16°33	M14
T 15	17 33 5	23°42'41	2♌48	18° 5	11°17	14°24	25°24	6°16	19°24	18°45	29°32	7° 5	7°45	12° 0	16°37	T 15
W16	17 37 2	24°39'56	17°28	18°49	11°57	14° 5	25°22	6°13	19°23	18°43	29°33	7° 6	7°42	12° 7	16°40	W16
T 17	17 40 58	25°37'10	1♍57	19°30	12°38	13°47	25°21	6°11	19°23	18°42	29°35	7° 6	7°39	12°14	16°44	T 17
F 18	17 44 55	26°34'23	16°13	20° 6	13°20	13°29	25°20	6° 8	19°22	18°41	29°36	7° 7	7°36	12°20	16°47	F 18
S 19	17 48 51	27°31'36	0♎12	20°38	14° 3	13°11	25°20	6° 5	19°22	18°40	29°37	7°R 7	7°32	12°27	16°51	S 19
S 20	17 52 48	28°28'48	13°55	21° 6	14°47	12°53	25°19	6° 2	19°21	18°39	29°38	7° 7	7°29	12°34	16°54	S 20
M21	17 56 44	29°26'00	27°20	21°30	15°32	12°36	25°19	5°59	19°21	18°37	29°40	7° 6	7°26	12°40	16°58	M21
T 22	18 0 41	0♋23'11	10♏30	21°49	16°17	12°20	25°D19	5°56	19°21	18°36	29°41	7° 5	7°23	12°47	17° 1	T 22
W23	18 4 38	1°20'22	23°24	22° 4	17° 4	12° 4	25°19	5°53	19°20	18°35	29°42	7° 5	7°20	12°54	17° 5	W23
T 24	18 8 34	2°17'32	6♐ 4	22°14	17°51	11°48	25°19	5°49	19°20	18°34	29°43	7° 4	7°17	13° 0	17° 8	T 24
F 25	18 12 31	3°14'43	18°31	22°20	18°39	11°33	25°20	5°46	19°20	18°33	29°44	7° 4	7°13	13° 7	17°11	F 25
S 26	18 16 27	4°11'53	0♑47	22°R21	19°28	11°19	25°20	5°43	19°20	18°32	29°46	7° 4	7°10	13°14	17°14	S 26
S 27	18 20 24	5° 9'03	12°54	22°18	20°17	11° 5	25°21	5°39	19°D20	18°31	29°47	7°D 4	7° 7	13°20	17°18	S 27
M28	18 24 20	6° 6'13	24°53	22° 9	21° 7	10°52	25°22	5°36	19°20	18°30	29°48	7° 4	7° 4	13°27	17°21	M28
T 29	18 28 17	7° 3'23	6♒46	21°57	21°58	10°40	25°23	5°32	19°20	18°29	29°49	7°R 4	7° 1	13°34	17°24	T 29
W30	18 32 14	8♋ 0'33	18♒35	21♋40	22♉50	10♐28	25♎24	5♒28	19♎20	18♏28	29♉50	7♉ 4	6♉58	13♒40	17♉27	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 3	18s39	1n54	25n35	2n 7	11n21	1s41	25s36	2s36	8s46	1n23	19s 8	0s32	7s 7	0n37	15s46	1n49	7n56	12s22	23s17	23s13	15s 2	14n40	2s 0
W 2	22 11	14 56	2 52	25 31	2 4	11 20	1 49	25 38	2 39	8 45	1 22	19 8	0 32	7 7	0 37	15 46	1 49	7 57	12 22	23 17	23 13	14 59	14 41	2 0
T 3	22 18	10 40	3 42	25 25	2 1	11 21	1 57	25 40	2 43	8 44	1 22	19 9	0 32	7 7	0 37	15 45	1 49	7 57	12 22	23 17	23 13	14 57	14 42	2 0
F 4	22 26	5 58	4 24	25 17	1 56	11 22	2 4	25 42	2 47	8 43	1 22	19 9	0 32	7 6	0 37	15 45	1 49	7 57	12 22	23 17	23 13	14 54	14 43	2 0
S 5	22 33	1 1	4 54	25 8	1 52	11 24	2 11	25 44	2 50	8 42	1 22	19 10	0 32	7 6	0 37	15 45	1 49	7 57	12 22	23 17	23 14	14 52	14 44	2 0
S 6	22 39	4n 3	5 11	24 57	1 46	11 27	2 17	25 46	2 54	8 42	1 21	19 11	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 49	14 45	2 1
M 7	22 45	9 4	5 15	24 45	1 39	11 30	2 23	25 47	2 57	8 41	1 21	19 11	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 47	14 46	2 1
T 8	22 51	13 51	5 3	24 33	1 32	11 35	2 29	25 49	3 1	8 40	1 21	19 12	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 44	14 47	2 1
W 9	22 57	18 7	4 34	24 19	1 25	11 40	2 34	25 50	3 4	8 39	1 21	19 12	0 33	7 4	0 37	15 43	1 49	7 58	12 22	23 18	23 14	14 42	14 48	2 1
T 10	23 1	21 35	3 50	24 4	1 16	11 45	2 40	25 51	3 7	8 39	1 20	19 13	0 33	7 4	0 37	15 43	1 49	7 59	12 22	23 18	23 15	14 39	14 49	2 1
F 11	23 6	23 52	2 51	23 48	1 7	11 52	2 45	25 53	3 11	8 38	1 20	19 14	0 33	7 4	0 36	15 43	1 49	7 59	12 22	23 18	23 15	14 36	14 50	2 1
S 12	23 10	24 40	1 39	23 32	0 57	11 59	2 49	25 54	3 14	8 38	1 20	19 15	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 34	14 51	2 2
S 13	23 14	23 47	0 21	23 15	0 47	12 6	2 53	25 54	3 17	8 37	1 19	19 15	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 31	14 51	2 2
M14	23 17	21 16	1s 1	22 57	0 35	12 14	2 57	25 55	3 20	8 37	1 19	19 16	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 29	14 52	2 2
T 15	23 20	17 20	2 18	22 39	0 24	12 22	3 1	25 56	3 23	8 37	1 19	19 17	0 33	7 3	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 26	14 53	2 2
W16	23 23	12 22	3 26	22 21	0 11	12 31	3 5	25 56	3 26	8 37	1 19	19 18	0 33	7 3	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 24	14 54	2 2
T 17	23 25	6 46	4 19	22 3	0s 1	12 40	3 8	25 57	3 28	8 37	1 18	19 18	0 34	7 2	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 21	14 55	2 2
F 18	23 27	0 54	4 56	21 44	0 15	12 50	3 11	25 57	3 31	8 37	1 18	19 19	0 34	7 2	0 36	15 41	1 49	8 0	12 23	23 18	23 16	14 19	14 56	2 3
S 19	23 28	4s53	5 15	21 26	0 29	13 0	3 14	25 57	3 34	8 37	1 18	19 20	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 16	14 16	14 57	2 3
S 20	23 29	10 20	5 15	21 7	0 43	13 11	3 16	25 58	3 36	8 37	1 18	19 21	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 16	14 14	14 57	2 3
M21	23 29	15 10	4 57	20 49	0 58	13 21	3 18	25 58	3 38	8 37	1 17	19 22	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 17	14 11	14 58	2 3
T 22	23 29	19 11	4 25	20 31	1 13	13 32	3 20	25 58	3 41	8 37	1 17	19 23	0 34	7 2	0 36	15 39	1 49	8 1	12 23	23 18	23 17	14 9	14 59	2 3
W23	23 29	22 12	3 39	20 13	1 28	13 44	3 22	25 58	3 43	8 37	1 17	19 24	0 34	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 6	15 0	2 3
T 24	23 28	24 3	2 44	19 56	1 44	13 55	3 24	25 57	3 45	8 38	1 16	19 25	0 34	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 3	15 0	2 4
F 25	23 27	24 40	1 41	19 40	2 0	14 7	3 25	25 57	3 47	8 38	1 16	19 25	0 35	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 1	15 1	2 4
S 26	23 25	24 4	0 35	19 24	2 15	14 19	3 27	25 57	3 49	8 38	1 16	19 26	0 35	7 2	0 36	15 38	1 48	8 1	12 23	23 18	23 18	13 58	15 2	2 4
S 27	23 23	22 19	0n32	19 9	2 31	14 31	3 28	25 57	3 50	8 39	1 16	19 27	0 35	7 2	0 36	15 38	1 48	8 1	12 23	23 18	23 18	13 56	15 3	2 4
M28	23 21	19 36	1 37	18 55	2 47	14 43	3 28	25 57	3 52	8 40	1 15	19 28	0 35	7 2	0 36	15 38	1 48	8 1	12 24	23 18	23 18	13 53	15 3	2 4
T 29	23 18	16 5	2 38	18 42	3 2	14 56	3 29	25 56	3 53	8 40	1 15	19 29	0 35	7 2	0 36	15 38	1 48	8 1	12 24	23 18	23 18	13 51	15 4	2 4
W30	23n15	11s56	3n31	18n30	3s17	15n 8	3s30	25s56	3s55	8s41	1n15	19s30	0s35	7s 2	0n36	15s38	1n48	8n 2	12s24	23s18	23s18	13s48	15n 5	2s 5

Julian Day Number = 2319478.5, Delta T = 51.53 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'36, Lahiri = 18°48'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

JULY 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 36 10	8♋57'43	0♓25	21°R18	23♉42	10°R17	25♎26	5°R25	19♎20	18°R27	29♉51	7°R 3	6♐54	13♒47	17♉30	T 1
F 2	18 40 7	9°54'53	12°19	20♋53	24°34	10♐ 7	25°27	5♒21	19°21	18♏27	29°52	7♐ 3	6°51	13°54	17°33	F 2
S 3	18 44 3	10°52'04	24°19	20°25	25°28	9°58	25°29	5°17	19°21	18°26	29°53	7° 3	6°48	14° 0	17°36	S 3
S 4	18 48 0	11°49'15	6♈31	19°53	26°22	9°49	25°31	5°13	19°21	18°25	29°54	7°D 3	6°45	14° 7	17°39	S 4
M 5	18 51 56	12°46'27	18°59	19°19	27°16	9°41	25°33	5° 9	19°22	18°24	29°55	7° 3	6°42	14°14	17°42	M 5
T 6	18 55 53	13°43'39	1♉47	18°42	28°11	9°34	25°36	5° 5	19°22	18°23	29°56	7° 3	6°38	14°20	17°45	T 6
W 7	18 59 49	14°40'52	14°58	18° 4	29° 6	9°28	25°38	5° 1	19°22	18°23	29°57	7° 4	6°35	14°27	17°47	W 7
T 8	19 3 46	15°38'05	28°35	17°25	0♊ 2	9°23	25°41	4°57	19°23	18°22	29°58	7° 4	6°32	14°34	17°50	T 8
F 9	19 7 43	16°35'19	12♊37	16°46	0°58	9°18	25°44	4°53	19°24	18°21	29°59	7° 5	6°29	14°40	17°53	F 9
S 10	19 11 39	17°32'34	27° 5	16° 7	1°55	9°14	25°47	4°49	19°24	18°21	0♊ 0	7° 5	6°26	14°47	17°55	S 10
S 11	19 15 36	18°29'49	11♋52	15°29	2°52	9°12	25°50	4°45	19°25	18°20	0° 1	7°R 6	6°23	14°54	17°58	S 11
M12	19 19 32	19°27'04	26°52	14°53	3°50	9°10	25°53	4°41	19°26	18°19	0° 2	7° 5	6°19	15° 0	18° 1	M12
T 13	19 23 29	20°24'20	11♌58	14°19	4°48	9° 8	25°57	4°37	19°26	18°19	0° 3	7° 4	6°16	15° 7	18° 3	T 13
W14	19 27 25	21°21'36	26°59	13°49	5°46	9°D 8	26° 1	4°32	19°27	18°18	0° 4	7° 2	6°13	15°14	18° 5	W14
T 15	19 31 22	22°18'52	11♍48	13°22	6°45	9° 9	26° 4	4°28	19°28	18°18	0° 5	7° 1	6°10	15°20	18° 8	T 15
F 16	19 35 18	23°16'09	26°18	12°59	7°44	9°10	26° 8	4°24	19°29	18°17	0° 6	6°59	6° 7	15°27	18°10	F 16
S 17	19 39 15	24°13'25	10♎25	12°40	8°44	9°12	26°13	4°19	19°30	18°17	0° 7	6°58	6° 4	15°34	18°13	S 17
S 18	19 43 12	25°10'42	24° 8	12°27	9°44	9°16	26°17	4°15	19°31	18°16	0° 8	6°D57	6° 0	15°40	18°15	S 18
M19	19 47 8	26° 8'00	7♏28	12°19	10°44	9°19	26°21	4°11	19°32	18°16	0° 9	6°58	5°57	15°47	18°17	M19
T 20	19 51 5	27° 5'18	20°27	12°D16	11°44	9°24	26°26	4° 6	19°34	18°16	0° 9	6°59	5°54	15°54	18°19	T 20
W21	19 55 1	28° 2'36	3♐ 7	12°20	12°45	9°30	26°31	4° 2	19°35	18°15	0°10	7° 0	5°51	16° 0	18°21	W21
T 22	19 58 58	28°59'55	15°32	12°29	13°46	9°36	26°36	3°57	19°36	18°15	0°11	7° 2	5°48	16° 7	18°23	T 22
F 23	20 2 54	29°57'14	27°44	12°44	14°48	9°43	26°41	3°53	19°37	18°15	0°12	7° 3	5°44	16°14	18°25	F 23
S 24	20 6 51	0♌54'34	9♑48	13° 6	15°49	9°51	26°46	3°49	19°39	18°15	0°13	7°R 3	5°41	16°20	18°27	S 24
S 25	20 10 47	1°51'55	21°44	13°33	16°52	10° 0	26°52	3°44	19°40	18°14	0°13	7° 2	5°38	16°27	18°29	S 25
M26	20 14 44	2°49'17	3♒37	14° 7	17°54	10° 9	26°57	3°40	19°41	18°14	0°14	7° 0	5°35	16°34	18°31	M26
T 27	20 18 41	3°46'39	15°27	14°47	18°56	10°20	27° 3	3°35	19°43	18°14	0°15	6°57	5°32	16°41	18°33	T 27
W28	20 22 37	4°44'02	27°17	15°33	19°59	10°31	27° 9	3°31	19°45	18°14	0°15	6°52	5°29	16°47	18°34	W28
T 29	20 26 34	5°41'26	9♓ 9	16°25	21° 2	10°42	27°15	3°26	19°46	18°14	0°16	6°48	5°25	16°54	18°36	T 29
F 30	20 30 30	6°38'52	21° 5	17°23	22° 6	10°55	27°21	3°22	19°48	18°14	0°17	6°43	5°22	17° 1	18°37	F 30
S 31	20 34 27	7♌36'18	3♈ 8	18♋27	23♊ 9	11♐ 8	27♎27	3♒17	19♎49	18°D14	0♊17	6♐38	5♐19	17♒ 7	18♉39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n11	7s22	4n15	18n19	3s31	15n21	3s30	25s56	3s56	8s42	1n15	19s31	0s35	7s 2	0n36	15s37	1n48	8n 2	12s24	23s18	23s18	13s45	15n 5	2s 5	T 1
F 2	23 7	2 31	4 48	18 10	3 45	15 33	3 30	25 55	3 57	8 43	1 14	19 32	0 35	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 43	15 6	2 5	F 2
S 3	23 2	2n28	5 10	18 1	3 57	15 46	3 30	25 55	3 59	8 44	1 14	19 33	0 35	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 40	15 7	2 5	S 3
S 4	22 58	7 27	5 17	17 54	4 9	15 59	3 30	25 55	4 0	8 45	1 14	19 35	0 36	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 38	15 7	2 5	S 4
M 5	22 52	12 14	5 10	17 48	4 20	16 11	3 30	25 55	4 1	8 46	1 13	19 36	0 36	7 3	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 35	15 8	2 6	M 5
T 6	22 47	16 37	4 48	17 44	4 29	16 24	3 29	25 54	4 1	8 47	1 13	19 37	0 36	7 3	0 36	15 36	1 48	8 2	12 25	23 18	23 19	13 33	15 9	2 6	T 6
W 7	22 41	20 21	4 11	17 41	4 37	16 36	3 28	25 54	4 2	8 48	1 13	19 38	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 19	13 30	15 9	2 6	W 7
T 8	22 34	23 6	3 18	17 40	4 44	16 49	3 28	25 54	4 3	8 49	1 13	19 39	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 19	13 27	15 10	2 6	T 8
F 9	22 27	24 32	2 12	17 40	4 49	17 1	3 27	25 54	4 4	8 50	1 12	19 40	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 25	15 10	2 6	F 9
S 10	22 20	24 22	0 55	17 41	4 52	17 14	3 26	25 54	4 4	8 52	1 12	19 41	0 36	7 4	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 22	15 11	2 7	S 10
S 11	22 12	22 31	0s26	17 44	4 53	17 26	3 24	25 54	4 5	8 53	1 12	19 42	0 36	7 4	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 20	15 11	2 7	S 11
M12	22 4	19 4	1 47	17 48	4 53	17 38	3 23	25 54	4 5	8 55	1 12	19 43	0 36	7 4	0 35	15 36	1 48	8 2	12 26	23 18	23 20	13 17	15 12	2 7	M12
T 13	21 56	14 20	3 1	17 53	4 52	17 50	3 22	25 54	4 5	8 56	1 11	19 44	0 37	7 5	0 35	15 36	1 47	8 2	12 26	23 18	23 20	13 15	15 12	2 7	T 13
W14	21 47	8 45	4 2	17 59	4 48	18 2	3 20	25 54	4 6	8 58	1 11	19 45	0 37	7 5	0 35	15 35	1 47	8 2	12 26	23 18	23 20	13 12	15 13	2 7	W14
T 15	21 38	2 45	4 46	18 7	4 43	18 13	3 18	25 55	4 6	8 59	1 11	19 47	0 37	7 5	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 9	15 13	2 8	T 15
F 16	21 29	3s16	5 11	18 16	4 37	18 24	3 17	25 55	4 6	9 1	1 11	19 48	0 37	7 6	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 7	15 14	2 8	F 16
S 17	21 19	8 58	5 15	18 25	4 29	18 36	3 15	25 55	4 6	9 3	1 10	19 49	0 37	7 6	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 4	15 14	2 8	S 17
S 18	21 8	14 3	5 2	18 35	4 20	18 47	3 13	25 56	4 6	9 5	1 10	19 50	0 37	7 7	0 35	15 35	1 47	8 2	12 27	23 18	23 21	13 2	15 14	2 8	S 18
M19	20 58	18 19	4 32	18 46	4 10	18 57	3 11	25 56	4 6	9 7	1 10	19 51	0 37	7 7	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 59	15 15	2 9	M19
T 20	20 47	21 35	3 50	18 58	3 58	19 8	3 8	25 57	4 6	9 8	1 9	19 52	0 37	7 8	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 56	15 15	2 9	T 20
W21	20 36	23 42	2 56	19 10	3 46	19 18	3 6	25 58	4 5	9 10	1 9	19 53	0 37	7 8	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 54	15 16	2 9	W21
T 22	20 24	24 37	1 56	19 22	3 33	19 27	3 4	25 58	4 5	9 12	1 9	19 55	0 37	7 9	0 35	15 35	1 47	8 2	12 27	23 18	23 22	12 51	15 16	2 9	T 22
F 23	20 12	24 19	0 51	19 34	3 19	19 37	3 1	25 59	4 5	9 15	1 9	19 56	0 37	7 9	0 35	15 35	1 47	8 2	12 27	23 18	23 22	12 48	15 16	2 9	F 23
S 24	20 0	22 52	0n15	19 47	3 5	19 46	2 59	26 0	4 4	9 17	1 8	19 57	0 38	7 10	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 46	15 17	2 10	S 24
S 25	19 47	20 25	1 20	19 59	2 50	19 55	2 56	26 1	4 4	9 19	1 8	19 58	0 38	7 10	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 43	15 17	2 10	S 25
M26	19 34	17 6	2 21	20 10	2 35	20 4	2 53	26 2	4 4	9 21	1 8	19 59	0 38	7 11	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 41	15 17	2 10	M26
T 27	19 21	13 7	3 15	20 22	2 19	20 12	2 50	26 3	4 3	9 23	1 8	20 0	0 38	7 11	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 38	15 17	2 10	T 27
W28	19 7	8 39	4 1	20 32	2 4	20 19	2 47	26 4	4 3	9 26	1 7	20 1	0 38	7 12	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 35	15 18	2 11	W28
T 29	18 53	3 52	4 37	20 41	1 48	20 27	2 45	26 5	4 2	9 28	1 7	20 2	0 38	7 13	0 35	15 35	1 47	8 2	12 29	23 19	23 23	12 33	15 18	2 11	T 29
F 30	18 39	1n 4	5 1	20 50	1 32	20 34	2 41	26 6	4 1	9 31	1 7	20 4	0 38	7 13	0 35	15 35	1 46	8 2	12 29	23 19	23 23	12 30	15 18	2 11	F 30
S 31	18n24	6n 1	5n12	20n57	1s17	20n40	2s38	26s 8	4s 1	9s33	1n 7	20s 5	0s38	7s14	0n35	15s35	1n46	8n 2	12s29	23s19	23s23	12s28	15n18	2s11	S 31

Julian Day Number = 2319508.5, Delta T = 51.47 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'41, Lahiri = 18°48'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

AUGUST 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 38 23	8♌33'46	15♈21	19♋36	24♊13	11♐21	27♎34	3°R13	19♎51	18♏14	0♊18	6°R35	5♑16	17♒14	18♉41	S 1
M 2	20 42 20	9°31'15	27°48	20°51	25°17	11°36	27°40	3♒ 9	19°53	18°14	0°19	6♑33	5°13	17°21	18°42	M 2
T 3	20 46 16	10°28'45	10♉32	22°12	26°22	11°51	27°47	3° 4	19°55	18°14	0°19	6°D32	5°10	17°27	18°43	T 3
W 4	20 50 13	11°26'17	23°37	23°37	27°26	12° 7	27°54	3° 0	19°57	18°14	0°20	6°33	5° 6	17°34	18°45	W 4
T 5	20 54 10	12°23'51	7♊ 6	25° 7	28°31	12°23	28° 1	2°55	19°59	18°14	0°20	6°34	5° 3	17°41	18°46	T 5
F 6	20 58 6	13°21'25	21° 2	26°42	29°36	12°40	28° 8	2°51	20° 1	18°15	0°21	6°35	5° 0	17°47	18°47	F 6
S 7	21 2 3	14°19'02	5♋23	28°21	0♌41	12°58	28°15	2°47	20° 3	18°15	0°21	6°R36	4°57	17°54	18°48	S 7
S 8	21 5 59	15°16'39	20° 9	0♍ 4	1°47	13°16	28°23	2°42	20° 5	18°15	0°22	6°35	4°54	18° 1	18°49	S 8
M 9	21 9 56	16°14'18	5♍13	1°50	2°52	13°35	28°30	2°38	20° 7	18°15	0°22	6°33	4°50	18° 7	18°50	M 9
T 10	21 13 52	17°11'59	20°28	3°40	3°58	13°54	28°38	2°34	20° 9	18°16	0°23	6°29	4°47	18°14	18°51	T 10
W11	21 17 49	18° 9'40	5♏42	5°32	5° 4	14°15	28°46	2°30	20°11	18°16	0°23	6°23	4°44	18°21	18°52	W11
T 12	21 21 45	19° 7'23	20°45	7°26	6°10	14°35	28°54	2°25	20°13	18°16	0°23	6°17	4°41	18°27	18°53	T 12
F 13	21 25 42	20° 5'07	5♎29	9°23	7°17	14°56	29° 2	2°21	20°16	18°17	0°24	6°11	4°38	18°34	18°54	F 13
S 14	21 29 39	21° 2'52	19°48	11°21	8°23	15°18	29°10	2°17	20°18	18°17	0°24	6° 6	4°35	18°41	18°54	S 14
S 15	21 33 35	22° 0'38	3♏38	13°20	9°30	15°40	29°18	2°13	20°20	18°18	0°25	6° 2	4°31	18°47	18°55	S 15
M16	21 37 32	22°58'25	17° 0	15°19	10°37	16° 3	29°26	2° 9	20°23	18°18	0°25	6° 1	4°28	18°54	18°55	M16
T 17	21 41 28	23°56'13	29°57	17°19	11°44	16°27	29°35	2° 5	20°25	18°19	0°25	6°D 1	4°25	19° 1	18°56	T 17
W18	21 45 25	24°54'03	12♐31	19°20	12°51	16°50	29°43	2° 1	20°28	18°19	0°25	6° 2	4°22	19° 8	18°56	W18
T 19	21 49 21	25°51'54	24°48	21°20	13°59	17°15	29°52	1°57	20°30	18°20	0°26	6° 3	4°19	19°14	18°57	T 19
F 20	21 53 18	26°49'46	6♑52	23°20	15° 6	17°40	0♏ 1	1°54	20°33	18°21	0°26	6°R 3	4°16	19°21	18°57	F 20
S 21	21 57 14	27°47'40	18°48	25°20	16°14	18° 5	0°10	1°50	20°35	18°21	0°26	6° 2	4°12	19°28	18°57	S 21
S 22	22 1 11	28°45'35	0♒39	27°18	17°22	18°31	0°19	1°46	20°38	18°22	0°26	5°59	4° 9	19°34	18°57	S 22
M23	22 5 8	29°43'31	12°28	29°16	18°30	18°57	0°28	1°42	20°41	18°23	0°26	5°54	4° 6	19°41	18°58	M23
T 24	22 9 4	0♏41'29	24°19	1♏13	19°38	19°23	0°37	1°39	20°43	18°23	0°27	5°46	4° 3	19°48	18°R58	T 24
W25	22 13 1	1°39'28	6♓11	3° 9	20°46	19°50	0°47	1°35	20°46	18°24	0°27	5°37	4° 0	19°54	18°58	W25
T 26	22 16 57	2°37'29	18° 9	5° 5	21°55	20°18	0°56	1°32	20°49	18°25	0°27	5°26	3°56	20° 1	18°58	T 26
F 27	22 20 54	3°35'32	0♈12	6°58	23° 3	20°46	1° 6	1°28	20°52	18°26	0°27	5°15	3°53	20° 8	18°57	F 27
S 28	22 24 50	4°33'36	12°22	8°51	24°12	21°14	1°16	1°25	20°55	18°27	0°27	5° 5	3°50	20°14	18°57	S 28
S 29	22 28 47	5°31'43	24°42	10°43	25°21	21°43	1°25	1°22	20°58	18°28	0°27	4°57	3°47	20°21	18°57	S 29
M30	22 32 43	6°29'51	7♉13	12°33	26°30	22°12	1°35	1°18	21° 0	18°29	0°27	4°51	3°44	20°28	18°57	M30
T 31	22 36 40	7♏28'01	19♉58	14♏22	27♋39	22♐41	1♏45	1♒15	21♎ 3	18♏30	0°R27	4♑47	3♑41	20♒34	18♉56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 9	10n48	5n 9	21n 2	1s 2	20n47	2s35	26s 9	4s 0	9s36	1n 6	20s 6	0s38	7s15	0n35	15s35	1n46	8n 2	12s29	23s19	23s23	12s25	15n19	2s11
M 2	17 54	15 14	4 51	21 6	0 47	20 52	2 32	26 10	3 59	9 38	1 6	20 7	0 38	7 15	0 35	15 35	1 46	8 2	12 29	23 19	23 23	12 22	15 19	2 12
T 3	17 39	19 6	4 19	21 8	0 32	20 58	2 29	26 12	3 59	9 41	1 6	20 8	0 38	7 16	0 34	15 35	1 46	8 2	12 30	23 19	23 23	12 20	15 19	2 12
W 4	17 23	22 9	3 33	21 7	0 18	21 2	2 25	26 13	3 58	9 43	1 6	20 9	0 39	7 17	0 34	15 36	1 46	8 1	12 30	23 19	23 23	12 17	15 19	2 12
T 5	17 7	24 4	2 34	21 5	0 4	21 7	2 22	26 14	3 57	9 46	1 6	20 10	0 39	7 18	0 34	15 36	1 46	8 1	12 30	23 19	23 23	12 14	15 19	2 12
F 6	16 51	24 35	1 24	21 0	0n 9	21 11	2 19	26 16	3 56	9 49	1 5	20 11	0 39	7 18	0 34	15 36	1 46	8 1	12 30	23 19	23 24	12 12	15 19	2 13
S 7	16 34	23 29	0 7	20 52	0 21	21 14	2 15	26 17	3 55	9 52	1 5	20 12	0 39	7 19	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 9	15 19	2 13
S 8	16 17	20 46	1s13	20 42	0 33	21 17	2 11	26 19	3 54	9 55	1 5	20 13	0 39	7 20	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 7	15 19	2 13
M 9	16 0	16 35	2 29	20 30	0 43	21 19	2 8	26 20	3 54	9 57	1 5	20 14	0 39	7 21	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 4	15 19	2 13
T 10	15 43	11 17	3 35	20 14	0 53	21 21	2 4	26 22	3 53	10 0	1 4	20 15	0 39	7 22	0 34	15 36	1 46	8 1	12 31	23 20	23 24	12 1	15 19	2 14
W11	15 25	5 19	4 26	19 56	1 2	21 23	2 1	26 23	3 52	10 3	1 4	20 16	0 39	7 23	0 34	15 36	1 46	8 1	12 31	23 20	23 24	11 59	15 19	2 14
T 12	15 7	0s54	4 58	19 35	1 11	21 24	1 57	26 25	3 51	10 6	1 4	20 18	0 39	7 23	0 34	15 37	1 46	8 0	12 32	23 20	23 24	11 56	15 19	2 14
F 13	14 49	6 55	5 9	19 12	1 18	21 24	1 53	26 26	3 50	10 9	1 4	20 19	0 39	7 24	0 34	15 37	1 46	8 0	12 32	23 21	23 24	11 53	15 19	2 14
S 14	14 31	12 23	5 0	18 46	1 25	21 24	1 50	26 28	3 49	10 12	1 4	20 20	0 39	7 25	0 34	15 37	1 46	8 0	12 32	23 21	23 24	11 51	15 19	2 14
S 15	14 12	17 3	4 34	18 18	1 30	21 23	1 46	26 29	3 48	10 16	1 3	20 20	0 39	7 26	0 34	15 37	1 45	8 0	12 32	23 21	23 25	11 48	15 19	2 15
M16	13 53	20 41	3 54	17 47	1 35	21 22	1 42	26 31	3 47	10 19	1 3	20 21	0 39	7 27	0 34	15 37	1 45	8 0	12 33	23 21	23 25	11 45	15 19	2 15
T 17	13 34	23 9	3 2	17 14	1 39	21 20	1 38	26 32	3 45	10 22	1 3	20 22	0 39	7 28	0 34	15 38	1 45	8 0	12 33	23 21	23 25	11 43	15 19	2 15
W18	13 15	24 23	2 4	16 40	1 42	21 18	1 34	26 33	3 44	10 25	1 3	20 23	0 39	7 29	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 40	15 19	2 15
T 19	12 55	24 23	1 0	16 4	1 44	21 15	1 30	26 35	3 43	10 28	1 2	20 24	0 39	7 30	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 37	15 19	2 16
F 20	12 36	23 14	0n 4	15 26	1 45	21 12	1 27	26 36	3 42	10 32	1 2	20 25	0 40	7 31	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 35	15 19	2 16
S 21	12 16	21 2	1 8	14 46	1 46	21 8	1 23	26 37	3 41	10 35	1 2	20 26	0 40	7 32	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 32	15 19	2 16
S 22	11 56	17 58	2 8	14 6	1 46	21 3	1 19	26 38	3 40	10 38	1 2	20 27	0 40	7 33	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 29	15 18	2 16
M23	11 35	14 10	3 3	13 24	1 46	20 58	1 15	26 39	3 39	10 42	1 2	20 28	0 40	7 34	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 27	15 18	2 17
T 24	11 15	9 51	3 49	12 41	1 44	20 52	1 11	26 40	3 37	10 45	1 1	20 29	0 40	7 35	0 34	15 39	1 45	7 58	12 34	23 22	23 25	11 24	15 18	2 17
W25	10 54	5 9	4 26	11 58	1 42	20 46	1 7	26 41	3 36	10 49	1 1	20 30	0 40	7 36	0 34	15 40	1 45	7 58	12 35	23 22	23 26	11 22	15 18	2 17
T 26	10 34	0 14	4 51	11 13	1 40	20 39	1 3	26 42	3 35	10 52	1 1	20 30	0 40	7 37	0 34	15 40	1 45	7 58	12 35	23 22	23 26	11 19	15 17	2 17
F 27	10 13	4n42	5 3	10 28	1 37	20 32	0 59	26 43	3 34	10 56	1 1	20 31	0 40	7 38	0 34	15 40	1 45	7 58	12 35	23 23	23 26	11 16	15 17	2 18
S 28	9 51	9 31	5 2	9 43	1 34	20 24	0 56	26 44	3 33	10 59	1 1	20 32	0 40	7 39	0 34	15 40	1 45	7 58	12 35	23 23	23 26	11 14	15 17	2 18
S 29	9 30	14 1	4 46	8 57	1 30	20 16	0 52	26 45	3 31	11 3	1 1	20 33	0 40	7 41	0 34	15 41	1 45	7 57	12 36	23 24	23 26	11 11	15 17	2 18
M30	9 9	18 0	4 17	8 11	1 26	20 7	0 48	26 45	3 30	11 6	1 0	20 34	0 40	7 42	0 34	15 41	1 45	7 57	12 36	23 24	23 26	11 8	15 16	2 18
T 31	8n47	21n13	3n35	7n25	1n21	19n57	0s44	26s46	3s29	11s10	1n 0	20s34	0s40	7s43	0n34	15s41	1n45	7n57	12s36	23s24	23s26	11s 6	15n16	2s19

Julian Day Number = 2319539.5, Delta T = 51.41 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'45, Lahiri = 18°48'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

SEPTEMBER 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 40 37	8♍26'14	3♊ 0	16♍11	28♋49	23♐11	1♏55	1°R12	21♎ 6	18♏31	0°R27	4°D46	3♑37	20♒41	18°R56	W 1
T 2	22 44 33	9°24'28	16°22	17°57	29°58	23°41	2° 5	1♒ 9	21° 9	18°32	0♊27	4♑46	3°34	20°48	18♉55	T 2
F 3	22 48 30	10°22'45	0♋ 7	19°43	1♌ 8	24°12	2°16	1° 6	21°12	18°33	0°27	4°R46	3°31	20°54	18°55	F 3
S 4	22 52 26	11°21'04	14°17	21°28	2°17	24°42	2°26	1° 3	21°16	18°34	0°27	4°46	3°28	21° 1	18°54	S 4
S 5	22 56 23	12°19'24	28°50	23°11	3°27	25°14	2°36	1° 0	21°19	18°35	0°27	4°44	3°25	21° 8	18°53	S 5
M 6	23 0 19	13°17'47	13♌43	24°53	4°37	25°45	2°47	0°58	21°22	18°36	0°27	4°39	3°22	21°15	18°53	M 6
T 7	23 4 16	14°16'12	28°50	26°34	5°47	26°17	2°57	0°55	21°25	18°37	0°27	4°32	3°18	21°21	18°52	T 7
W 8	23 8 12	15°14'39	14♍ 1	28°14	6°57	26°49	3° 8	0°53	21°28	18°39	0°26	4°23	3°15	21°28	18°51	W 8
T 9	23 12 9	16°13'07	29° 7	29°53	8° 8	27°22	3°19	0°50	21°31	18°40	0°26	4°12	3°12	21°35	18°50	T 9
F 10	23 16 6	17°11'38	13♎56	1♎31	9°18	27°54	3°30	0°48	21°35	18°41	0°26	4° 2	3° 9	21°41	18°49	F 10
S 11	23 20 2	18°10'10	28°22	3° 8	10°29	28°28	3°41	0°45	21°38	18°42	0°26	3°53	3° 6	21°48	18°48	S 11
S 12	23 23 59	19° 8'44	12♏18	4°44	11°39	29° 1	3°52	0°43	21°41	18°44	0°25	3°46	3° 2	21°55	18°47	S 12
M13	23 27 55	20° 7'20	25°46	6°18	12°50	29°35	4° 3	0°41	21°45	18°45	0°25	3°42	2°59	22° 1	18°46	M13
T 14	23 31 52	21° 5'57	8♐45	7°52	14° 1	0♑ 9	4°14	0°39	21°48	18°46	0°25	3°39	2°56	22° 8	18°44	T 14
W15	23 35 48	22° 4'36	21°21	9°25	15°12	0°43	4°25	0°37	21°51	18°48	0°25	3°D39	2°53	22°15	18°43	W15
T 16	23 39 45	23° 3'17	3♑37	10°56	16°23	1°17	4°36	0°35	21°55	18°49	0°24	3°R39	2°50	22°21	18°42	T 16
F 17	23 43 41	24° 2'00	15°39	12°27	17°34	1°52	4°48	0°33	21°58	18°51	0°24	3°39	2°47	22°28	18°40	F 17
S 18	23 47 38	25° 0'44	27°32	13°57	18°45	2°27	4°59	0°32	22° 2	18°52	0°24	3°36	2°43	22°35	18°39	S 18
S 19	23 51 35	25°59'30	9♒21	15°25	19°57	3° 3	5°11	0°30	22° 5	18°54	0°23	3°32	2°40	22°41	18°37	S 19
M20	23 55 31	26°58'18	21°10	16°53	21° 8	3°38	5°22	0°29	22° 9	18°55	0°23	3°25	2°37	22°48	18°36	M20
T 21	23 59 28	27°57'07	3♓ 3	18°20	22°20	4°14	5°34	0°27	22°12	18°57	0°22	3°15	2°34	22°55	18°34	T 21
W22	0 3 24	28°55'59	15° 1	19°45	23°31	4°50	5°46	0°26	22°16	18°58	0°22	3° 2	2°31	23° 2	18°32	W22
T 23	0 7 21	29°54'52	27° 7	21°10	24°43	5°26	5°57	0°25	22°19	19° 0	0°21	2°49	2°27	23° 8	18°30	T 23
F 24	0 11 17	0♎53'48	9♈22	22°33	25°55	6° 2	6° 9	0°24	22°23	19° 2	0°21	2°34	2°24	23°15	18°29	F 24
S 25	0 15 14	1°52'45	21°45	23°55	27° 7	6°39	6°21	0°23	22°26	19° 3	0°20	2°21	2°21	23°22	18°27	S 25
S 26	0 19 10	2°51'45	4♉18	25°16	28°19	7°16	6°33	0°22	22°30	19° 5	0°20	2°10	2°18	23°28	18°25	S 26
M27	0 23 7	3°50'47	17° 1	26°36	29°31	7°53	6°45	0°21	22°33	19° 7	0°19	2° 2	2°15	23°35	18°23	M27
T 28	0 27 3	4°49'51	29°56	27°55	0♍43	8°30	6°57	0°20	22°37	19° 8	0°19	1°56	2°12	23°42	18°21	T 28
W29	0 31 0	5°48'58	13♊ 4	29°12	1°56	9° 8	7° 9	0°19	22°41	19°10	0°18	1°53	2° 8	23°48	18°19	W29
T 30	0 34 57	6♎48'07	26♊27	0♏29	3♍ 8	9♑45	7♏21	0♒19	22♎44	19♏12	0♊18	1♑52	2♑ 5	23♒55	18♉17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n25	23n26	2n41	6n38	1n16	19n47	0s40	26s46	3s28	11s14	1n 0	20s35	0s40	7s44	0n34	15s42	1n44	7n57	12s36	23s24	23s26	11s 3	15n16	2s19
T 2	8 3	24 23	1 36	5 52	1 11	19 36	0 36	26 46	3 26	11 17	1 0	20 36	0 40	7 45	0 34	15 42	1 44	7 56	12 36	23 24	23 26	11 0	15 15	2 19
F 3	7 41	23 54	0 25	5 5	1 6	19 25	0 33	26 46	3 25	11 21	1 0	20 36	0 40	7 46	0 34	15 42	1 44	7 56	12 37	23 24	23 26	10 58	15 15	2 19
S 4	7 19	21 53	0s50	4 18	1 0	19 13	0 29	26 46	3 24	11 25	0 59	20 37	0 40	7 47	0 34	15 43	1 44	7 56	12 37	23 24	23 26	10 55	15 14	2 20
S 5	6 57	18 24	2 4	3 32	0 54	19 1	0 25	26 46	3 22	11 28	0 59	20 38	0 40	7 49	0 33	15 43	1 44	7 56	12 37	23 24	23 27	10 52	15 14	2 20
M 6	6 35	13 41	3 11	2 46	0 47	18 48	0 21	26 46	3 21	11 32	0 59	20 38	0 40	7 50	0 33	15 44	1 44	7 55	12 37	23 24	23 27	10 50	15 14	2 20
T 7	6 12	8 4	4 6	2 0	0 41	18 35	0 18	26 46	3 20	11 36	0 59	20 39	0 40	7 51	0 33	15 44	1 44	7 55	12 38	23 25	23 27	10 47	15 13	2 20
W 8	5 50	1 56	4 43	1 14	0 34	18 21	0 14	26 45	3 18	11 40	0 59	20 40	0 40	7 52	0 33	15 44	1 44	7 55	12 38	23 25	23 27	10 44	15 13	2 20
T 9	5 27	4s15	5 1	0 28	0 28	18 6	0 10	26 45	3 17	11 43	0 59	20 40	0 40	7 54	0 33	15 45	1 44	7 55	12 38	23 25	23 27	10 41	15 12	2 21
F 10	5 4	10 4	4 57	0s17	0 21	17 51	0 7	26 44	3 16	11 47	0 58	20 41	0 40	7 55	0 33	15 45	1 44	7 54	12 38	23 25	23 27	10 39	15 12	2 21
S 11	4 41	15 11	4 35	1 2	0 14	17 36	0 3	26 43	3 14	11 51	0 58	20 41	0 40	7 56	0 33	15 45	1 44	7 54	12 39	23 26	23 27	10 36	15 11	2 21
S 12	4 18	19 19	3 57	1 47	0 6	17 20	0n 0	26 42	3 13	11 55	0 58	20 42	0 40	7 57	0 33	15 46	1 44	7 54	12 39	23 26	23 27	10 33	15 11	2 21
M13	3 55	22 15	3 6	2 31	0s 1	17 3	0 4	26 41	3 12	11 59	0 58	20 42	0 41	7 59	0 33	15 46	1 44	7 54	12 39	23 26	23 27	10 31	15 10	2 22
T 14	3 32	23 55	2 8	3 15	0 8	16 46	0 7	26 39	3 10	12 3	0 58	20 43	0 41	8 0	0 33	15 47	1 44	7 53	12 39	23 26	23 27	10 28	15 9	2 22
W15	3 9	24 17	1 5	3 59	0 16	16 29	0 11	26 38	3 9	12 7	0 58	20 43	0 41	8 1	0 33	15 47	1 44	7 53	12 39	23 26	23 27	10 25	15 9	2 22
T 16	2 46	23 26	0 0	4 42	0 23	16 11	0 14	26 36	3 7	12 11	0 58	20 44	0 41	8 2	0 33	15 48	1 44	7 53	12 40	23 26	23 27	10 23	15 8	2 22
F 17	2 22	21 31	1n 3	5 24	0 31	15 52	0 17	26 34	3 6	12 15	0 57	20 44	0 41	8 4	0 33	15 48	1 44	7 53	12 40	23 26	23 27	10 20	15 8	2 23
S 18	1 59	18 41	2 3	6 6	0 38	15 33	0 21	26 32	3 5	12 19	0 57	20 44	0 41	8 5	0 33	15 48	1 44	7 52	12 40	23 26	23 28	10 17	15 7	2 23
S 19	1 36	15 6	2 57	6 47	0 46	15 14	0 24	26 30	3 3	12 23	0 57	20 45	0 41	8 6	0 33	15 49	1 44	7 52	12 40	23 26	23 28	10 15	15 6	2 23
M20	1 12	10 57	3 43	7 28	0 53	14 54	0 27	26 28	3 2	12 27	0 57	20 45	0 41	8 8	0 33	15 49	1 44	7 52	12 40	23 27	23 28	10 12	15 6	2 23
T 21	0 49	6 22	4 20	8 8	1 1	14 34	0 30	26 25	3 0	12 31	0 57	20 45	0 41	8 9	0 33	15 50	1 43	7 51	12 41	23 27	23 28	10 9	15 5	2 23
W22	0 26	1 32	4 45	8 48	1 9	14 14	0 33	26 23	2 59	12 35	0 57	20 46	0 41	8 10	0 33	15 50	1 43	7 51	12 41	23 27	23 28	10 7	15 4	2 24
T 23	0 2	3n25	4 58	9 27	1 16	13 52	0 36	26 20	2 58	12 39	0 57	20 46	0 41	8 12	0 33	15 51	1 43	7 51	12 41	23 27	23 28	10 4	15 4	2 24
F 24	0s21	8 16	4 58	10 5	1 23	13 31	0 39	26 17	2 56	12 43	0 56	20 46	0 41	8 13	0 33	15 51	1 43	7 51	12 41	23 28	23 28	10 1	15 3	2 24
S 25	0 45	12 52	4 43	10 42	1 31	13 9	0 42	26 14	2 55	12 47	0 56	20 46	0 41	8 14	0 33	15 52	1 43	7 50	12 41	23 28	23 28	9 59	15 2	2 24
S 26	1 8	16 58	4 15	11 19	1 38	12 47	0 45	26 10	2 53	12 51	0 56	20 47	0 41	8 16	0 33	15 52	1 43	7 50	12 42	23 28	23 28	9 56	15 2	2 25
M27	1 32	20 21	3 33	11 55	1 45	12 24	0 48	26 7	2 52	12 55	0 56	20 47	0 41	8 17	0 33	15 53	1 43	7 50	12 42	23 28	23 28	9 53	15 1	2 25
T 28	1 55	22 47	2 40	12 30	1 52	12 1	0 50	26 3	2 51	12 59	0 56	20 47	0 41	8 18	0 33	15 53	1 43	7 49	12 42	23 28	23 28	9 50	15 0	2 25
W29	2 19	24 2	1 38	13 4	1 59	11 38	0 53	25 59	2 49	13 3	0 56	20 47	0 41	8 20	0 33	15 54	1 43	7 49	12 42	23 28	23 28	9 48	14 59	2 25
T 30	2s42	23n55	0n29	13s37	2s 6	11n14	0n55	25s55	2s48	13s 7	0n56	20s47	0s41	8s21	0n33	15s54	1n43	7n49	12s42	23s28	23s28	9s45	14n58	2s25

Julian Day Number = 2319570.5, Delta T = 51.35 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'49, Lahiri = 18°48'50Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

OCTOBER 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 38 53	7♎47'18	10♋ 7	1♏43	4♍21	10♑23	7♏34	0°R19	22♎48	19♏14	0°R17	1°R52	2♑ 2	24♒ 2	18°R14	F 1
S 2	0 42 50	8°46'32	24° 5	2°56	5°33	11° 1	7°46	0♒18	22°52	19°15	0♊16	1♑52	1°59	24° 8	18♉12	S 2
S 3	0 46 46	9°45'48	8♌22	4° 8	6°46	11°39	7°58	0°18	22°55	19°17	0°16	1°50	1°56	24°15	18°10	S 3
M 4	0 50 43	10°45'06	22°56	5°17	7°59	12°18	8°11	0°18	22°59	19°19	0°15	1°45	1°53	24°22	18° 7	M 4
T 5	0 54 39	11°44'26	7♍43	6°25	9°11	12°56	8°23	0°D18	23° 3	19°21	0°14	1°37	1°49	24°29	18° 5	T 5
W 6	0 58 36	12°43'49	22°36	7°31	10°24	13°35	8°35	0°18	23° 7	19°23	0°14	1°27	1°46	24°35	18° 3	W 6
T 7	1 2 32	13°43'14	7♎26	8°34	11°37	14°14	8°48	0°18	23°10	19°25	0°13	1°16	1°43	24°42	18° 0	T 7
F 8	1 6 29	14°42'41	22° 6	9°35	12°50	14°53	9° 0	0°18	23°14	19°27	0°12	1° 5	1°40	24°49	17°58	F 8
S 9	1 10 26	15°42'10	6♏27	10°34	14° 3	15°32	9°13	0°19	23°18	19°29	0°11	0°55	1°37	24°55	17°55	S 9
S 10	1 14 22	16°41'41	20°23	11°29	15°16	16°12	9°26	0°19	23°22	19°31	0°11	0°47	1°33	25° 2	17°53	S 10
M11	1 18 19	17°41'14	3♐52	12°21	16°30	16°51	9°38	0°20	23°25	19°33	0°10	0°41	1°30	25° 9	17°50	M11
T 12	1 22 15	18°40'49	16°54	13°10	17°43	17°31	9°51	0°20	23°29	19°35	0° 9	0°38	1°27	25°15	17°47	T 12
W13	1 26 12	19°40'26	29°32	13°55	18°56	18°11	10° 4	0°21	23°33	19°37	0° 8	0°D38	1°24	25°22	17°45	W13
T 14	1 30 8	20°40'04	11♑51	14°36	20°10	18°51	10°17	0°22	23°37	19°39	0° 7	0°38	1°21	25°29	17°42	T 14
F 15	1 34 5	21°39'45	23°55	15°11	21°23	19°31	10°30	0°23	23°40	19°41	0° 7	0°R38	1°18	25°36	17°39	F 15
S 16	1 38 1	22°39'27	5♒49	15°42	22°37	20°11	10°42	0°24	23°44	19°43	0° 6	0°37	1°14	25°42	17°36	S 16
S 17	1 41 58	23°39'10	17°39	16° 7	23°50	20°51	10°55	0°25	23°48	19°45	0° 5	0°34	1°11	25°49	17°33	S 17
M18	1 45 55	24°38'55	29°30	16°26	25° 4	21°32	11° 8	0°27	23°52	19°47	0° 4	0°29	1° 8	25°56	17°31	M18
T 19	1 49 51	25°38'43	11♓25	16°37	26°18	22°13	11°21	0°28	23°55	19°49	0° 3	0°21	1° 5	26° 2	17°28	T 19
W20	1 53 48	26°38'31	23°29	16°R42	27°32	22°53	11°34	0°30	23°59	19°51	0° 2	0°11	1° 2	26° 9	17°25	W20
T 21	1 57 44	27°38'22	5♈44	16°38	28°45	23°34	11°47	0°31	24° 3	19°53	0° 1	29♐59	0°58	26°16	17°22	T 21
F 22	2 1 41	28°38'15	18°11	16°26	29°59	24°15	12° 0	0°33	24° 7	19°55	0° 0	29°48	0°55	26°22	17°19	F 22
S 23	2 5 37	29°38'09	0♉50	16° 5	1♎13	24°56	12°13	0°35	24°10	19°57	29♉59	29°37	0°52	26°29	17°16	S 23
S 24	2 9 34	0♏38'05	13°42	15°35	2°27	25°37	12°26	0°36	24°14	19°59	29°58	29°27	0°49	26°36	17°13	S 24
M25	2 13 30	1°38'04	26°46	14°55	3°41	26°19	12°39	0°38	24°18	20° 2	29°57	29°21	0°46	26°42	17°10	M25
T 26	2 17 27	2°38'04	10♊ 0	14° 6	4°56	27° 0	12°52	0°40	24°22	20° 4	29°56	29°16	0°43	26°49	17° 7	T 26
W27	2 21 24	3°38'07	23°25	13° 8	6°10	27°42	13° 6	0°43	24°25	20° 6	29°55	29°D15	0°39	26°56	17° 3	W27
T 28	2 25 20	4°38'12	7♋ 1	12° 3	7°24	28°23	13°19	0°45	24°29	20° 8	29°54	29°15	0°36	27° 3	17° 0	T 28
F 29	2 29 17	5°38'19	20°47	10°52	8°38	29° 5	13°32	0°47	24°33	20°10	29°53	29°16	0°33	27° 9	16°57	F 29
S 30	2 33 13	6°38'28	4♌44	9°36	9°52	29°47	13°45	0°50	24°37	20°13	29°52	29°R16	0°30	27°16	16°54	S 30
S 31	2 37 10	7♏38'39	18♌51	8♏17	11♎ 7	0♒28	13♏58	0♒52	24♎40	20♏15	29♉51	29♐16	0♑27	27♒23	16♉51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	3s 6	22n23	0s43	14s10	2s12	10n50	0n58	25s50	2s46	13s11	0n55	20s47	0s41	8s22	0n33	15s55	1n43	7n48	12s43	23s28	23s28	9s42	14n58	2s26
S 2	3 29	19 27	1 55	14 41	2 19	10 26	1 0	25 46	2 45	13 15	0 55	20 47	0 41	8 24	0 33	15 55	1 43	7 48	12 43	23 28	23 28	9 40	14 57	2 26
S 3	3 53	15 19	3 0	15 12	2 25	10 1	1 3	25 41	2 43	13 19	0 55	20 48	0 41	8 25	0 33	15 56	1 43	7 48	12 43	23 28	23 28	9 37	14 56	2 26
M 4	4 16	10 12	3 55	15 41	2 31	9 36	1 5	25 36	2 42	13 23	0 55	20 48	0 41	8 27	0 33	15 56	1 43	7 48	12 43	23 28	23 28	9 34	14 55	2 26
T 5	4 39	4 26	4 35	16 9	2 37	9 11	1 7	25 31	2 40	13 28	0 55	20 48	0 41	8 28	0 33	15 57	1 43	7 47	12 43	23 29	23 28	9 32	14 54	2 26
W 6	5 2	1s36	4 57	16 36	2 42	8 45	1 9	25 26	2 39	13 32	0 55	20 48	0 41	8 29	0 33	15 58	1 43	7 47	12 43	23 29	23 28	9 29	14 54	2 27
T 7	5 25	7 32	4 59	17 1	2 47	8 19	1 12	25 20	2 38	13 36	0 55	20 48	0 41	8 31	0 33	15 58	1 43	7 47	12 44	23 29	23 29	9 26	14 53	2 27
F 8	5 49	12 58	4 41	17 25	2 52	7 53	1 14	25 14	2 36	13 40	0 55	20 48	0 41	8 32	0 33	15 59	1 43	7 46	12 44	23 29	23 29	9 23	14 52	2 27
S 9	6 12	17 33	4 6	17 48	2 56	7 27	1 16	25 8	2 35	13 44	0 55	20 47	0 41	8 34	0 33	15 59	1 43	7 46	12 44	23 29	23 29	9 21	14 51	2 27
S 10	6 34	21 1	3 16	18 9	3 0	7 0	1 17	25 2	2 33	13 48	0 54	20 47	0 41	8 35	0 33	16 0	1 43	7 46	12 44	23 29	23 29	9 18	14 50	2 27
M11	6 57	23 12	2 17	18 29	3 3	6 33	1 19	24 56	2 32	13 52	0 54	20 47	0 41	8 36	0 33	16 0	1 43	7 45	12 44	23 29	23 29	9 15	14 49	2 28
T 12	7 20	24 2	1 12	18 46	3 6	6 6	1 21	24 49	2 30	13 56	0 54	20 47	0 41	8 38	0 33	16 1	1 43	7 45	12 44	23 29	23 29	9 13	14 48	2 28
W13	7 43	23 35	0 6	19 2	3 8	5 39	1 23	24 42	2 29	14 0	0 54	20 47	0 41	8 39	0 33	16 1	1 43	7 45	12 45	23 29	23 29	9 10	14 47	2 28
T 14	8 5	21 58	0n59	19 16	3 9	5 12	1 24	24 35	2 27	14 5	0 54	20 47	0 41	8 41	0 33	16 2	1 43	7 45	12 45	23 29	23 29	9 7	14 46	2 28
F 15	8 28	19 23	2 1	19 27	3 10	4 44	1 26	24 28	2 26	14 9	0 54	20 47	0 41	8 42	0 33	16 3	1 43	7 44	12 45	23 29	23 29	9 4	14 45	2 28
S 16	8 50	16 1	2 56	19 36	3 10	4 16	1 27	24 21	2 24	14 13	0 54	20 46	0 41	8 43	0 33	16 3	1 43	7 44	12 45	23 29	23 29	9 2	14 44	2 29
S 17	9 12	12 2	3 43	19 42	3 9	3 48	1 28	24 13	2 23	14 17	0 54	20 46	0 41	8 45	0 33	16 4	1 42	7 44	12 45	23 29	23 29	8 59	14 43	2 29
M18	9 34	7 36	4 20	19 46	3 7	3 20	1 30	24 5	2 21	14 21	0 54	20 46	0 41	8 46	0 33	16 4	1 42	7 43	12 45	23 29	23 29	8 56	14 43	2 29
T 19	9 56	2 52	4 47	19 46	3 3	2 52	1 31	23 57	2 20	14 25	0 54	20 46	0 41	8 48	0 33	16 5	1 42	7 43	12 45	23 29	23 29	8 54	14 42	2 29
W20	10 18	2n 1	5 1	19 43	2 59	2 24	1 32	23 49	2 19	14 29	0 53	20 45	0 41	8 49	0 33	16 5	1 42	7 43	12 45	23 29	23 29	8 51	14 41	2 29
T 21	10 39	6 54	5 2	19 36	2 53	1 55	1 33	23 41	2 17	14 33	0 53	20 45	0 41	8 50	0 33	16 6	1 42	7 42	12 46	23 29	23 29	8 48	14 40	2 29
F 22	11 1	11 34	4 48	19 25	2 45	1 26	1 34	23 32	2 16	14 37	0 53	20 45	0 41	8 52	0 33	16 7	1 42	7 42	12 46	23 29	23 29	8 45	14 39	2 29
S 23	11 22	15 51	4 20	19 11	2 36	0 58	1 35	23 23	2 14	14 41	0 53	20 44	0 41	8 53	0 33	16 7	1 42	7 42	12 46	23 29	23 29	8 43	14 38	2 30
S 24	11 43	19 27	3 38	18 52	2 26	0 29	1 36	23 14	2 13	14 45	0 53	20 44	0 41	8 54	0 33	16 8	1 42	7 42	12 46	23 29	23 29	8 40	14 37	2 30
M25	12 4	22 8	2 45	18 28	2 13	0 0	1 36	23 5	2 11	14 49	0 53	20 43	0 41	8 56	0 33	16 8	1 42	7 41	12 46	23 29	23 29	8 37	14 36	2 30
T 26	12 25	23 40	1 41	18 0	1 59	0s29	1 37	22 55	2 10	14 53	0 53	20 43	0 41	8 57	0 33	16 9	1 42	7 41	12 46	23 29	23 29	8 35	14 35	2 30
W27	12 45	23 50	0 31	17 27	1 43	0 58	1 38	22 46	2 8	14 58	0 53	20 42	0 41	8 59	0 33	16 10	1 42	7 41	12 46	23 29	23 29	8 32	14 34	2 30
T 28	13 6	22 36	0s42	16 51	1 26	1 26	1 38	22 36	2 7	15 2	0 53	20 42	0 41	9 0	0 33	16 10	1 42	7 40	12 46	23 29	23 29	8 29	14 33	2 30
F 29	13 26	20 1	1 53	16 11	1 7	1 55	1 38	22 26	2 5	15 6	0 53	20 41	0 41	9 1	0 33	16 11	1 42	7 40	12 46	23 29	23 29	8 26	14 32	2 31
S 30	13 46	16 14	2 59	15 28	0 47	2 24	1 39	22 15	2 4	15 10	0 53	20 41	0 41	9 3	0 33	16 11	1 42	7 40	12 46	23 29	23 29	8 24	14 31	2 31
S 31	14s 5	11n29	3s54	14s43	0s27	2s53	1n39	22s 5	2s 3	15s14	0n53	20s40	0s41	9s 4	0n33	16s12	1n42	7n40	12s47	23s29	23s29	8s21	14n30	2s31

Julian Day Number = 2319600.5, Delta T = 51.29 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'53, Lahiri = 18°48'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1638
geocentric

NOVEMBER 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 41 6	8♏38'52	3♍ 8	6°R58	12♎21	1♒10	14♏12	0♒55	24♎44	20♏17	29°R50	29°R13	0♋24	27♒29	16°R48	M 1
T 2	2 45 3	9°39'07	17°31	5♏42	13°36	1°52	14°25	0°58	24°48	20°19	29♉49	29♐ 8	0°20	27°36	16♉45	T 2
W 3	2 48 59	10°39'25	1♎58	4°31	14°50	2°34	14°38	1° 0	24°51	20°21	29°48	29° 2	0°17	27°43	16°41	W 3
T 4	2 52 56	11°39'44	16°21	3°28	16° 5	3°17	14°51	1° 3	24°55	20°24	29°47	28°54	0°14	27°50	16°38	T 4
F 5	2 56 52	12°40'05	0♏37	2°33	17°19	3°59	15° 4	1° 6	24°59	20°26	29°46	28°46	0°11	27°56	16°35	F 5
S 6	3 0 49	13°40'28	14°38	1°48	18°34	4°41	15°18	1° 9	25° 2	20°28	29°45	28°39	0° 8	28° 3	16°32	S 6
S 7	3 4 46	14°40'53	28°21	1°15	19°49	5°24	15°31	1°13	25° 6	20°30	29°44	28°34	0° 4	28°10	16°28	S 7
M 8	3 8 42	15°41'19	11♐43	0°54	21° 3	6° 6	15°44	1°16	25°10	20°33	29°43	28°30	0° 1	28°16	16°25	M 8
T 9	3 12 39	16°41'47	24°42	0°D44	22°18	6°49	15°58	1°19	25°13	20°35	29°42	28°D29	29♐58	28°23	16°22	T 9
W10	3 16 35	17°42'16	7♑20	0°46	23°33	7°32	16°11	1°23	25°17	20°37	29°41	28°29	29°55	28°30	16°19	W10
T 11	3 20 32	18°42'47	19°40	0°58	24°47	8°14	16°24	1°26	25°20	20°39	29°39	28°30	29°52	28°36	16°15	T 11
F 12	3 24 28	19°43'19	1♒46	1°20	26° 2	8°57	16°37	1°30	25°24	20°42	29°38	28°32	29°49	28°43	16°12	F 12
S 13	3 28 25	20°43'52	13°42	1°51	27°17	9°40	16°51	1°34	25°27	20°44	29°37	28°33	29°45	28°50	16° 9	S 13
S 14	3 32 22	21°44'27	25°33	2°31	28°32	10°23	17° 4	1°37	25°31	20°46	29°36	28°R34	29°42	28°57	16° 6	S 14
M15	3 36 18	22°45'02	7♓25	3°18	29°47	11° 6	17°17	1°41	25°34	20°48	29°35	28°32	29°39	29° 3	16° 3	M15
T 16	3 40 15	23°45'39	19°23	4°11	1♏ 2	11°49	17°30	1°45	25°38	20°51	29°34	28°29	29°36	29°10	15°59	T 16
W17	3 44 11	24°46'17	1♈29	5°10	2°17	12°32	17°44	1°49	25°41	20°53	29°33	28°25	29°33	29°17	15°56	W17
T 18	3 48 8	25°46'57	13°49	6°14	3°32	13°15	17°57	1°53	25°45	20°55	29°32	28°20	29°30	29°23	15°53	T 18
F 19	3 52 4	26°47'37	26°25	7°22	4°47	13°58	18°10	1°58	25°48	20°57	29°30	28°14	29°26	29°30	15°50	F 19
S 20	3 56 1	27°48'19	9♉18	8°34	6° 2	14°41	18°23	2° 2	25°51	21° 0	29°29	28° 9	29°23	29°37	15°47	S 20
S 21	3 59 57	28°49'02	22°28	9°49	7°17	15°25	18°36	2° 6	25°55	21° 2	29°28	28° 4	29°20	29°43	15°44	S 21
M22	4 3 54	29°49'47	5♊54	11° 7	8°32	16° 8	18°50	2°11	25°58	21° 4	29°27	28° 1	29°17	29°50	15°40	M22
T 23	4 7 51	0♐50'33	19°34	12°27	9°47	16°51	19° 3	2°15	26° 1	21° 6	29°26	27°59	29°14	29°57	15°37	T 23
W24	4 11 47	1°51'20	3♋25	13°49	11° 2	17°34	19°16	2°20	26° 4	21° 9	29°25	27°D59	29°10	0♓ 4	15°34	W24
T 25	4 15 44	2°52'08	17°26	15°13	12°17	18°18	19°29	2°25	26° 8	21°11	29°24	28° 0	29° 7	0°10	15°31	T 25
F 26	4 19 40	3°52'58	1♌32	16°38	13°32	19° 1	19°42	2°29	26°11	21°13	29°22	28° 2	29° 4	0°17	15°28	F 26
S 27	4 23 37	4°53'50	15°41	18° 4	14°47	19°45	19°55	2°34	26°14	21°15	29°21	28° 3	29° 1	0°24	15°25	S 27
S 28	4 27 33	5°54'42	29°52	19°32	16° 2	20°28	20° 8	2°39	26°17	21°17	29°20	28°R 4	28°58	0°30	15°22	S 28
M29	4 31 30	6°55'36	14♍ 3	21° 0	17°18	21°12	20°21	2°44	26°20	21°20	29°19	28° 4	28°55	0°37	15°19	M29
T 30	4 35 26	7♐56'32	28♍10	22♏29	18♏33	21♒55	20♏34	2♒49	26♎23	21♏22	29♉18	28♐ 3	28♐51	0♓44	15♉16	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	14s25	6n 5	4s36	13s58	0s 6	3s22	1n39	21s54	2s 1	15s18	0n53	20s40	0s41	9s 5	0n33	16s13	1n42	7n39	12s47	23s29	23s29	8s18	14n29	2s31	M 1
T 2	14 44	0 19	5 1	13 13	0n14	3 51	1 39	21 43	2 0	15 22	0 52	20 39	0 41	9 7	0 33	16 13	1 42	7 39	12 47	23 29	23 29	8 16	14 28	2 31	T 2
W 3	15 3	5s28	5 7	12 31	0 34	4 20	1 39	21 32	1 58	15 26	0 52	20 39	0 41	9 8	0 33	16 14	1 42	7 39	12 47	23 29	23 29	8 13	14 27	2 31	W 3
T 4	15 22	10 57	4 53	11 52	0 53	4 49	1 39	21 21	1 57	15 29	0 52	20 38	0 41	9 9	0 33	16 14	1 42	7 39	12 47	23 29	23 29	8 10	14 25	2 31	T 4
F 5	15 40	15 47	4 22	11 17	1 10	5 17	1 39	21 10	1 55	15 33	0 52	20 37	0 41	9 11	0 33	16 15	1 42	7 38	12 47	23 29	23 29	8 7	14 24	2 31	F 5
S 6	15 58	19 40	3 34	10 47	1 26	5 46	1 39	20 58	1 54	15 37	0 52	20 37	0 41	9 12	0 33	16 16	1 42	7 38	12 47	23 29	23 29	8 5	14 23	2 31	S 6
S 7	16 16	22 22	2 36	10 23	1 39	6 14	1 39	20 46	1 52	15 41	0 52	20 36	0 41	9 13	0 33	16 16	1 42	7 38	12 47	23 29	23 29	8 2	14 22	2 32	S 7
M 8	16 34	23 43	1 30	10 4	1 51	6 43	1 38	20 35	1 51	15 45	0 52	20 35	0 41	9 15	0 33	16 17	1 42	7 37	12 47	23 29	23 29	7 59	14 21	2 32	M 8
T 9	16 52	23 43	0 20	9 52	2 1	7 11	1 38	20 22	1 50	15 49	0 52	20 34	0 41	9 16	0 33	16 17	1 42	7 37	12 47	23 29	23 29	7 56	14 20	2 32	T 9
W10	17 9	22 29	0n48	9 45	2 9	7 39	1 37	20 10	1 48	15 53	0 52	20 34	0 41	9 17	0 33	16 18	1 42	7 37	12 47	23 29	23 29	7 54	14 19	2 32	W10
T 11	17 26	20 11	1 53	9 43	2 15	8 7	1 37	19 58	1 47	15 57	0 52	20 33	0 41	9 19	0 33	16 19	1 42	7 37	12 47	23 29	23 29	7 51	14 18	2 32	T 11
F 12	17 42	17 1	2 51	9 47	2 20	8 35	1 36	19 45	1 45	16 1	0 52	20 32	0 41	9 20	0 33	16 19	1 42	7 37	12 47	23 29	23 29	7 48	14 17	2 32	F 12
S 13	17 58	13 13	3 41	9 55	2 23	9 3	1 35	19 32	1 44	16 4	0 52	20 31	0 41	9 21	0 33	16 20	1 42	7 36	12 47	23 29	23 29	7 46	14 16	2 32	S 13
S 14	18 14	8 55	4 22	10 7	2 24	9 30	1 35	19 19	1 42	16 8	0 52	20 31	0 41	9 22	0 33	16 20	1 42	7 36	12 47	23 29	23 29	7 43	14 15	2 32	S 14
M15	18 30	4 18	4 51	10 22	2 25	9 57	1 34	19 6	1 41	16 12	0 52	20 30	0 41	9 24	0 33	16 21	1 42	7 36	12 47	23 29	23 29	7 40	14 14	2 32	M15
T 16	18 45	0n30	5 8	10 41	2 24	10 24	1 33	18 52	1 40	16 16	0 52	20 29	0 41	9 25	0 33	16 22	1 42	7 36	12 47	23 29	23 29	7 37	14 13	2 32	T 16
W17	19 0	5 21	5 11	11 2	2 22	10 51	1 32	18 39	1 38	16 19	0 52	20 28	0 41	9 26	0 33	16 22	1 42	7 35	12 47	23 29	23 29	7 35	14 12	2 32	W17
T 18	19 14	10 4	5 0	11 26	2 19	11 18	1 31	18 25	1 37	16 23	0 52	20 27	0 41	9 27	0 33	16 23	1 42	7 35	12 47	23 29	23 29	7 32	14 11	2 33	T 18
F 19	19 29	14 29	4 35	11 51	2 16	11 44	1 30	18 11	1 35	16 27	0 52	20 26	0 41	9 29	0 33	16 23	1 42	7 35	12 47	23 28	23 29	7 29	14 10	2 33	F 19
S 20	19 43	18 20	3 55	12 18	2 12	12 10	1 28	17 58	1 34	16 31	0 52	20 25	0 41	9 30	0 33	16 24	1 42	7 35	12 47	23 28	23 29	7 26	14 9	2 33	S 20
S 21	19 56	21 21	3 2	12 46	2 7	12 36	1 27	17 43	1 33	16 34	0 52	20 24	0 41	9 31	0 33	16 24	1 42	7 35	12 47	23 28	23 29	7 24	14 9	2 33	S 21
M22	20 9	23 16	1 58	13 15	2 2	13 1	1 26	17 29	1 31	16 38	0 52	20 23	0 41	9 32	0 33	16 25	1 42	7 34	12 47	23 28	23 29	7 21	14 8	2 33	M22
T 23	20 22	23 50	0 46	13 45	1 57	13 26	1 25	17 15	1 30	16 41	0 51	20 22	0 41	9 33	0 33	16 26	1 42	7 34	12 47	23 28	23 29	7 18	14 7	2 33	T 23
W24	20 34	22 57	0s30	14 15	1 51	13 51	1 23	17 0	1 29	16 45	0 51	20 21	0 41	9 35	0 33	16 26	1 42	7 34	12 47	23 28	23 29	7 16	14 6	2 33	W24
T 25	20 46	20 37	1 45	14 46	1 45	14 15	1 22	16 45	1 27	16 49	0 51	20 20	0 41	9 36	0 33	16 27	1 42	7 34	12 47	23 28	23 29	7 13	14 5	2 33	T 25
F 26	20 58	17 2	2 54	15 16	1 38	14 39	1 20	16 31	1 26	16 52	0 51	20 19	0 41	9 37	0 33	16 27	1 42	7 34	12 47	23 28	23 29	7 10	14 4	2 33	F 26
S 27	21 9	12 27	3 53	15 47	1 32	15 3	1 19	16 16	1 25	16 56	0 51	20 18	0 41	9 38	0 33	16 28	1 42	7 33	12 47	23 28	23 29	7 7	14 3	2 33	S 27
S 28	21 20	7 12	4 38	16 17	1 25	15 27	1 17	16 0	1 23	16 59	0 51	20 17	0 42	9 39	0 33	16 28	1 42	7 33	12 47	23 28	23 29	7 5	14 2	2 33	S 28
M29	21 31	0 35	5 6	16 47	1 18	15 50	1 15	15 45	1 22	17 3	0 51	20 16	0 42	9 40	0 33	16 29	1 42	7 33	12 47	23 28	23 29	7 2	14 1	2 33	M29
T 30	21s41	4s 5	5s15	17s17	1n11	16s12	1n13	15s30	1s20	17s 6	0n51	20s15	0s42	9s41	0n33	16s30	1n42	7n33	12s46	23s28	23s29	6s59	14n 0	2s33	T 30

Julian Day Number = 2319631.5, Delta T = 51.23 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°41'58, Lahiri = 18°48'58Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1638
geocentric

DECEMBER 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 39 23	8♐57'29	12♎13	23♏58	19♏48	22♒39	20♏47	2♒54	26♎26	21♏24	29°R17	28°R 1	28♐48	0♓51	15°R13	W 1
T 2	4 43 20	9°58'27	26° 8	25°28	21° 3	23°23	21° 0	2°59	26°29	21°26	29♉16	27♐59	28°45	0°57	15♉10	T 2
F 3	4 47 16	10°59'26	9♏54	26°59	22°18	24° 6	21°13	3° 4	26°32	21°28	29°15	27°56	28°42	1° 4	15° 8	F 3
S 4	4 51 13	12° 0'26	23°28	28°30	23°34	24°50	21°26	3°10	26°35	21°31	29°14	27°54	28°39	1°11	15° 5	S 4
S 5	4 55 9	13° 1'28	6♐48	0♐ 1	24°49	25°34	21°39	3°15	26°38	21°33	29°12	27°52	28°36	1°17	15° 2	S 5
M 6	4 59 6	14° 2'30	19°51	1°32	26° 4	26°17	21°52	3°21	26°41	21°35	29°11	27°51	28°32	1°24	14°59	M 6
T 7	5 3 2	15° 3'33	2♑39	3° 4	27°20	27° 1	22° 4	3°26	26°44	21°37	29°10	27°D51	28°29	1°31	14°57	T 7
W 8	5 6 59	16° 4'37	15°10	4°36	28°35	27°45	22°17	3°32	26°47	21°39	29° 9	27°52	28°26	1°37	14°54	W 8
T 9	5 10 55	17° 5'42	27°28	6° 8	29°50	28°29	22°30	3°37	26°49	21°41	29° 8	27°53	28°23	1°44	14°51	T 9
F 10	5 14 52	18° 6'47	9♒33	7°40	1♐ 6	29°12	22°42	3°43	26°52	21°43	29° 7	27°54	28°20	1°51	14°49	F 10
S 11	5 18 49	19° 7'52	21°29	9°13	2°21	29°56	22°55	3°49	26°55	21°45	29° 6	27°55	28°16	1°58	14°46	S 11
S 12	5 22 45	20° 8'58	3♓21	10°45	3°36	0♓40	23° 8	3°54	26°58	21°47	29° 5	27°55	28°13	2° 4	14°44	S 12
M13	5 26 42	21°10'04	15°13	12°18	4°52	1°24	23°20	4° 0	27° 0	21°49	29° 4	27°56	28°10	2°11	14°41	M13
T 14	5 30 38	22°11'10	27° 9	13°51	6° 7	2° 8	23°33	4° 6	27° 3	21°51	29° 3	27°R56	28° 7	2°18	14°39	T 14
W15	5 34 35	23°12'17	9♈14	15°24	7°22	2°52	23°45	4°12	27° 5	21°53	29° 2	27°56	28° 4	2°24	14°37	W15
T 16	5 38 31	24°13'24	21°34	16°57	8°38	3°35	23°57	4°18	27° 8	21°55	29° 1	27°55	28° 1	2°31	14°34	T 16
F 17	5 42 28	25°14'31	4♉11	18°31	9°53	4°19	24°10	4°24	27°10	21°57	29° 0	27°55	27°57	2°38	14°32	F 17
S 18	5 46 24	26°15'38	17° 8	20° 5	11° 8	5° 3	24°22	4°30	27°12	21°59	28°59	27°55	27°54	2°45	14°30	S 18
S 19	5 50 21	27°16'46	0♊28	21°38	12°24	5°47	24°34	4°36	27°15	22° 1	28°58	27°54	27°51	2°51	14°28	S 19
M20	5 54 18	28°17'54	14°10	23°13	13°39	6°31	24°46	4°43	27°17	22° 3	28°57	27°D54	27°48	2°58	14°25	M20
T 21	5 58 14	29°19'02	28°12	24°47	14°55	7°15	24°59	4°49	27°19	22° 5	28°56	27°R54	27°45	3° 5	14°23	T 21
W22	6 2 11	0♋20'11	12♋31	26°21	16°10	7°59	25°11	4°55	27°22	22° 7	28°55	27°54	27°42	3°11	14°21	W22
T 23	6 6 7	1°21'20	27° 2	27°56	17°25	8°43	25°23	5° 1	27°24	22° 9	28°54	27°54	27°38	3°18	14°19	T 23
F 24	6 10 4	2°22'29	11♌37	29°31	18°41	9°26	25°35	5° 8	27°26	22°11	28°53	27°54	27°35	3°25	14°18	F 24
S 25	6 14 0	3°23'38	26°12	1♍ 7	19°56	10°10	25°46	5°14	27°28	22°12	28°52	27°53	27°32	3°32	14°16	S 25
S 26	6 17 57	4°24'48	10♍41	2°42	21°12	10°54	25°58	5°21	27°30	22°14	28°51	27°53	27°29	3°38	14°14	S 26
M27	6 21 53	5°25'58	24°59	4°18	22°27	11°38	26°10	5°27	27°32	22°16	28°50	27°52	27°26	3°45	14°12	M27
T 28	6 25 50	6°27'08	9♎ 5	5°55	23°42	12°22	26°22	5°34	27°34	22°18	28°49	27°D52	27°22	3°52	14°11	T 28
W29	6 29 47	7°28'19	22°56	7°31	24°58	13° 6	26°33	5°40	27°36	22°19	28°49	27°52	27°19	3°58	14° 9	W29
T 30	6 33 43	8°29'30	6♏32	9° 9	26°13	13°50	26°45	5°47	27°38	22°21	28°48	27°53	27°16	4° 5	14° 7	T 30
F 31	6 37 40	9♍30'41	19♏53	10♍46	27♐29	14♓33	26♏56	5♒54	27♎39	22♏23	28♉47	27♐54	27♐13	4♓12	14♉ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s50	9s31	5s 6	17s47	1n 4	16s34	1n12	15s14	1s19	17s10	0n51	20s13	0s42	9s43	0n33	16s30	1n42	7n33	12s46	23s28	23s29	6s56	13n59	2s33
T 2	21 59	14 25	4 38	18 15	0 56	16 56	1 10	14 59	1 18	17 13	0 51	20 12	0 42	9 44	0 33	16 31	1 42	7 33	12 46	23 28	23 29	6 54	13 59	2 33
F 3	22 8	18 31	3 55	18 43	0 49	17 17	1 8	14 43	1 16	17 17	0 51	20 11	0 42	9 45	0 33	16 31	1 42	7 33	12 46	23 28	23 29	6 51	13 58	2 33
S 4	22 16	21 34	2 59	19 11	0 42	17 38	1 6	14 27	1 15	17 20	0 51	20 10	0 42	9 46	0 33	16 32	1 42	7 32	12 46	23 28	23 29	6 48	13 57	2 33
S 5	22 24	23 21	1 54	19 38	0 35	17 58	1 4	14 11	1 14	17 23	0 51	20 9	0 42	9 47	0 33	16 32	1 42	7 32	12 46	23 28	23 29	6 46	13 56	2 33
M 6	22 32	23 50	0 44	20 4	0 27	18 18	1 2	13 55	1 13	17 27	0 51	20 7	0 42	9 48	0 33	16 33	1 42	7 32	12 46	23 28	23 29	6 43	13 55	2 33
T 7	22 39	23 1	0n27	20 29	0 20	18 38	1 0	13 39	1 11	17 30	0 51	20 6	0 42	9 49	0 33	16 33	1 42	7 32	12 46	23 28	23 29	6 40	13 54	2 33
W 8	22 45	21 3	1 35	20 53	0 13	18 56	0 58	13 22	1 10	17 33	0 51	20 5	0 42	9 50	0 33	16 34	1 42	7 32	12 46	23 28	23 29	6 37	13 54	2 33
T 9	22 52	18 9	2 37	21 17	0 6	19 15	0 56	13 6	1 9	17 36	0 51	20 3	0 42	9 51	0 33	16 34	1 42	7 32	12 46	23 28	23 29	6 35	13 53	2 33
F 10	22 57	14 30	3 31	21 39	0s 1	19 33	0 54	12 49	1 7	17 40	0 51	20 2	0 42	9 52	0 33	16 35	1 42	7 32	12 45	23 28	23 29	6 32	13 52	2 33
S 11	23 2	10 20	4 15	22 0	0 8	19 50	0 52	12 33	1 6	17 43	0 51	20 1	0 42	9 53	0 33	16 35	1 42	7 32	12 45	23 28	23 28	6 29	13 51	2 33
S 12	23 7	5 48	4 49	22 21	0 15	20 6	0 49	12 16	1 5	17 46	0 51	20 0	0 42	9 54	0 33	16 36	1 42	7 32	12 45	23 28	23 28	6 26	13 51	2 33
M13	23 11	1 5	5 9	22 40	0 22	20 23	0 47	11 59	1 3	17 49	0 51	19 58	0 42	9 55	0 33	16 36	1 42	7 32	12 45	23 28	23 28	6 24	13 50	2 33
T 14	23 15	3n43	5 17	22 58	0 28	20 38	0 45	11 42	1 2	17 52	0 51	19 57	0 42	9 55	0 33	16 37	1 42	7 31	12 45	23 28	23 28	6 21	13 49	2 33
W15	23 19	8 26	5 11	23 16	0 35	20 53	0 43	11 25	1 1	17 55	0 51	19 55	0 42	9 56	0 33	16 37	1 43	7 31	12 45	23 28	23 28	6 18	13 49	2 33
T 16	23 22	12 55	4 51	23 32	0 41	21 7	0 40	11 8	1 0	17 58	0 51	19 54	0 42	9 57	0 33	16 38	1 43	7 31	12 45	23 28	23 28	6 15	13 48	2 33
F 17	23 24	16 57	4 16	23 46	0 47	21 21	0 38	10 51	0 58	18 1	0 51	19 53	0 42	9 58	0 33	16 38	1 43	7 31	12 45	23 28	23 28	6 13	13 47	2 33
S 18	23 26	20 18	3 28	24 0	0 53	21 34	0 35	10 34	0 57	18 4	0 51	19 51	0 42	9 59	0 33	16 39	1 43	7 31	12 44	23 28	23 28	6 10	13 47	2 33
S 19	23 27	22 41	2 27	24 12	0 59	21 47	0 33	10 17	0 56	18 7	0 51	19 50	0 42	10 0	0 33	16 39	1 43	7 31	12 44	23 28	23 28	6 7	13 46	2 33
M20	23 28	23 48	1 16	24 24	1 5	21 59	0 31	9 59	0 55	18 10	0 51	19 48	0 42	10 0	0 33	16 40	1 43	7 31	12 44	23 28	23 28	6 4	13 45	2 33
T 21	23 29	23 27	0s 2	24 33	1 11	22 10	0 28	9 42	0 54	18 13	0 51	19 47	0 42	10 1	0 33	16 40	1 43	7 31	12 44	23 28	23 28	6 2	13 45	2 33
W22	23 29	21 34	1 20	24 42	1 16	22 20	0 26	9 24	0 52	18 16	0 51	19 45	0 42	10 2	0 33	16 41	1 43	7 31	12 44	23 28	23 28	5 59	13 44	2 33
T 23	23 29	18 16	2 35	24 49	1 21	22 30	0 23	9 7	0 51	18 19	0 51	19 44	0 42	10 3	0 33	16 41	1 43	7 31	12 43	23 28	23 28	5 56	13 44	2 33
F 24	23 28	13 49	3 40	24 55	1 26	22 39	0 21	8 49	0 50	18 22	0 51	19 42	0 42	10 4	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 54	13 43	2 33
S 25	23 27	8 34	4 30	25 0	1 31	22 48	0 18	8 31	0 49	18 25	0 51	19 41	0 42	10 4	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 51	13 43	2 33
S 26	23 25	2 54	5 3	25 3	1 35	22 56	0 16	8 13	0 48	18 27	0 51	19 39	0 42	10 5	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 48	13 42	2 33
M27	23 22	2s51	5 17	25 4	1 39	23 3	0 14	7 56	0 46	18 30	0 51	19 38	0 42	10 6	0 33	16 43	1 43	7 31	12 43	23 28	23 28	5 45	13 42	2 33
T 28	23 20	8 22	5 11	25 4	1 43	23 9	0 11	7 38	0 45	18 33	0 51	19 36	0 42	10 6	0 33	16 43	1 43	7 31	12 43	23 28	23 28	5 43	13 41	2 33
W29	23 16	13 22	4 47	25 3	1 47	23 15	0 9	7 20	0 44	18 35	0 51	19 34	0 42	10 7	0 34	16 44	1 43	7 31	12 42	23 28	23 28	5 40	13 41	2 33
T 30	23 13	17 37	4 8	25 0	1 50	23 20	0 6	7 2	0 43	18 38	0 51	19 33	0 42	10 8	0 34	16 44	1 43	7 31	12 42	23 28	23 27	5 37	13 41	2 33
F 31	23s 9	20s53	3s16	24s56	1s54	23s24	0n 4	6s44	0s42	18s41	0n51	19s31	0s42	10s 8	0n34	16s44	1n43	7n31	12s42	23s28	23s27	5s34	13n40	2s33

Julian Day Number = 2319661.5, Delta T = 51.17 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'02, Lahiri = 18°49'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

JANUARY 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 41 36	10♑31'52	3♐ 1	12♑24	28♐44	15♓17	27♏ 8	6♒ 0	27♎41	22♏25	28°R46	27♐55	27♐10	4♓19	14°R 5	S 1
S 2	6 45 33	11°33'04	15°55	14° 2	29°59	16° 1	27°19	6° 7	27°43	22°26	28♉45	27°56	27° 7	4°25	14♉ 3	S 2
M 3	6 49 29	12°34'15	28°37	15°41	1♑15	16°45	27°30	6°14	27°44	22°28	28°44	27°R56	27° 3	4°32	14° 2	M 3
T 4	6 53 26	13°35'26	11♑ 7	17°20	2°30	17°29	27°41	6°21	27°46	22°29	28°44	27°56	27° 0	4°39	14° 1	T 4
W 5	6 57 23	14°36'37	23°26	18°59	3°46	18°13	27°52	6°27	27°47	22°31	28°43	27°55	26°57	4°45	13°59	W 5
T 6	7 1 19	15°37'48	5♒36	20°39	5° 1	18°56	28° 3	6°34	27°49	22°32	28°42	27°52	26°54	4°52	13°58	T 6
F 7	7 5 16	16°38'58	17°37	22°19	6°17	19°40	28°14	6°41	27°50	22°34	28°41	27°49	26°51	4°59	13°57	F 7
S 8	7 9 12	17°40'08	29°32	24° 0	7°32	20°24	28°25	6°48	27°52	22°35	28°41	27°46	26°48	5° 6	13°56	S 8
S 9	7 13 9	18°41'17	11♓24	25°41	8°47	21° 8	28°36	6°55	27°53	22°37	28°40	27°42	26°44	5°12	13°55	S 9
M10	7 17 5	19°42'25	23°15	27°22	10° 3	21°51	28°46	7° 2	27°54	22°38	28°39	27°40	26°41	5°19	13°55	M10
T 11	7 21 2	20°43'32	5♈ 9	29° 3	11°18	22°35	28°57	7° 9	27°55	22°40	28°39	27°37	26°38	5°26	13°54	T 11
W12	7 24 58	21°44'39	17°11	0♒45	12°34	23°19	29° 7	7°16	27°57	22°41	28°38	27°D36	26°35	5°32	13°53	W12
T 13	7 28 55	22°45'45	29°26	2°27	13°49	24° 3	29°18	7°23	27°58	22°43	28°37	27°36	26°32	5°39	13°52	T 13
F 14	7 32 52	23°46'50	11♉58	4° 9	15° 4	24°46	29°28	7°30	27°59	22°44	28°37	27°38	26°28	5°46	13°52	F 14
S 15	7 36 48	24°47'54	24°51	5°51	16°20	25°30	29°38	7°37	28° 0	22°45	28°36	27°39	26°25	5°53	13°51	S 15
S 16	7 40 45	25°48'58	8♊ 9	7°32	17°35	26°13	29°48	7°44	28° 1	22°46	28°36	27°41	26°22	5°59	13°51	S 16
M17	7 44 41	26°50'00	21°54	9°13	18°50	26°57	29°58	7°51	28° 2	22°48	28°35	27°R42	26°19	6° 6	13°50	M17
T 18	7 48 38	27°51'02	6♋ 6	10°54	20° 6	27°41	0♐ 8	7°58	28° 2	22°49	28°35	27°42	26°16	6°13	13°50	T 18
W19	7 52 34	28°52'02	20°41	12°34	21°21	28°24	0°18	8° 5	28° 3	22°50	28°34	27°40	26°13	6°19	13°50	W19
T 20	7 56 31	29°53'02	5♌35	14°13	22°36	29° 8	0°27	8°12	28° 4	22°51	28°34	27°37	26° 9	6°26	13°50	T 20
F 21	8 0 27	0♒54'01	20°37	15°51	23°52	29°51	0°37	8°19	28° 5	22°52	28°33	27°32	26° 6	6°33	13°50	F 21
S 22	8 4 24	1°54'59	5♍41	17°28	25° 7	0♈35	0°46	8°27	28° 5	22°53	28°33	27°27	26° 3	6°40	13°D49	S 22
S 23	8 8 21	2°55'56	20°35	19° 2	26°22	1°18	0°56	8°34	28° 6	22°54	28°32	27°22	26° 0	6°46	13°49	S 23
M24	8 12 17	3°56'52	5♎13	20°33	27°38	2° 2	1° 5	8°41	28° 6	22°55	28°32	27°18	25°57	6°53	13°50	M24
T 25	8 16 14	4°57'48	19°30	22° 2	28°53	2°45	1°14	8°48	28° 7	22°56	28°32	27°15	25°54	7° 0	13°50	T 25
W26	8 20 10	5°58'43	3♏23	23°27	0♒ 8	3°28	1°23	8°55	28° 7	22°57	28°31	27°D14	25°50	7° 6	13°50	W26
T 27	8 24 7	6°59'38	16°53	24°48	1°24	4°12	1°32	9° 2	28° 7	22°58	28°31	27°14	25°47	7°13	13°50	T 27
F 28	8 28 3	8° 0'31	0♐ 3	26° 4	2°39	4°55	1°41	9° 9	28° 8	22°59	28°31	27°15	25°44	7°20	13°51	F 28
S 29	8 32 0	9° 1'24	12°54	27°15	3°54	5°38	1°49	9°17	28° 8	23° 0	28°30	27°17	25°41	7°27	13°51	S 29
S 30	8 35 56	10° 2'16	25°29	28°19	5° 9	6°22	1°58	9°24	28° 8	23° 1	28°30	27°R18	25°38	7°33	13°51	S 30
M31	8 39 53	11♒ 3'07	7♑53	29♒16	6♒25	7♈ 5	2♐ 6	9♒31	28♎ 8	23♏ 2	28♉30	27♐17	25♐34	7♓40	13♉52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 4	22s59	2s14	24s50	1s56	23s28	0n 1	6s26	0s41	18s43	0n51	19s30	0s42	10s 9	0n34	16s45	1n43	7n31	12s42	23s28	23s27	5s32	13n40	2s33
S 2	22 59	23 50	1 6	24 43	1 59	23 30	0s 1	6 8	0 39	18 46	0 51	19 28	0 43	10 9	0 34	16 45	1 43	7 31	12 42	23 28	23 27	5 29	13 39	2 33
M 3	22 53	23 25	0n 4	24 34	2 1	23 33	0 4	5 50	0 38	18 48	0 52	19 26	0 43	10 10	0 34	16 46	1 43	7 31	12 41	23 28	23 27	5 26	13 39	2 33
T 4	22 47	21 49	1 12	24 24	2 3	23 34	0 6	5 32	0 37	18 51	0 52	19 25	0 43	10 11	0 34	16 46	1 43	7 31	12 41	23 28	23 27	5 23	13 39	2 33
W 5	22 41	19 12	2 16	24 11	2 4	23 35	0 9	5 13	0 36	18 53	0 52	19 23	0 43	10 11	0 34	16 46	1 43	7 31	12 41	23 28	23 27	5 21	13 38	2 33
T 6	22 34	15 47	3 13	23 58	2 5	23 34	0 11	4 55	0 35	18 56	0 52	19 21	0 43	10 12	0 34	16 47	1 43	7 32	12 41	23 28	23 27	5 18	13 38	2 32
F 7	22 27	11 45	4 1	23 42	2 6	23 34	0 13	4 37	0 34	18 58	0 52	19 20	0 43	10 12	0 34	16 47	1 43	7 32	12 40	23 28	23 27	5 15	13 38	2 32
S 8	22 19	7 19	4 37	23 25	2 6	23 32	0 16	4 19	0 33	19 0	0 52	19 18	0 43	10 13	0 34	16 47	1 43	7 32	12 40	23 28	23 27	5 13	13 38	2 32
S 9	22 11	2 39	5 2	23 7	2 6	23 30	0 18	4 0	0 32	19 3	0 52	19 16	0 43	10 13	0 34	16 48	1 43	7 32	12 40	23 28	23 27	5 10	13 37	2 32
M10	22 2	2n 7	5 14	22 47	2 5	23 27	0 21	3 42	0 30	19 5	0 52	19 15	0 43	10 13	0 34	16 48	1 43	7 32	12 40	23 28	23 27	5 7	13 37	2 32
T 11	21 53	6 49	5 12	22 25	2 4	23 23	0 23	3 24	0 29	19 7	0 52	19 13	0 43	10 14	0 34	16 48	1 44	7 32	12 39	23 28	23 27	5 4	13 37	2 32
W12	21 44	11 19	4 56	22 1	2 3	23 19	0 25	3 6	0 28	19 9	0 52	19 11	0 43	10 14	0 34	16 49	1 44	7 32	12 39	23 28	23 26	5 2	13 37	2 32
T 13	21 34	15 27	4 27	21 36	2 0	23 13	0 28	2 47	0 27	19 12	0 52	19 9	0 43	10 15	0 34	16 49	1 44	7 32	12 39	23 28	23 26	4 59	13 37	2 32
F 14	21 23	19 1	3 45	21 10	1 58	23 8	0 30	2 29	0 26	19 14	0 52	19 8	0 43	10 15	0 34	16 49	1 44	7 32	12 39	23 28	23 26	4 56	13 37	2 32
S 15	21 13	21 46	2 51	20 41	1 54	23 1	0 32	2 11	0 25	19 16	0 52	19 6	0 43	10 15	0 34	16 49	1 44	7 32	12 38	23 28	23 26	4 53	13 37	2 32
S 16	21 1	23 26	1 45	20 12	1 50	22 54	0 34	1 52	0 24	19 18	0 52	19 4	0 43	10 16	0 34	16 50	1 44	7 33	12 38	23 28	23 26	4 51	13 37	2 32
M17	20 50	23 46	0 32	19 41	1 45	22 46	0 36	1 34	0 23	19 20	0 52	19 2	0 43	10 16	0 34	16 50	1 44	7 33	12 38	23 28	23 26	4 48	13 36	2 32
T 18	20 38	22 35	0s46	19 8	1 40	22 37	0 39	1 16	0 22	19 22	0 52	19 1	0 43	10 16	0 34	16 50	1 44	7 33	12 38	23 28	23 26	4 45	13 36	2 32
W19	20 26	19 52	2 2	18 34	1 34	22 28	0 41	0 57	0 21	19 24	0 52	18 59	0 43	10 16	0 34	16 50	1 44	7 33	12 37	23 28	23 26	4 42	13 36	2 32
T 20	20 13	15 48	3 12	17 59	1 27	22 17	0 43	0 39	0 20	19 26	0 52	18 57	0 43	10 17	0 34	16 51	1 44	7 33	12 37	23 28	23 26	4 40	13 36	2 32
F 21	20 0	10 42	4 9	17 23	1 20	22 7	0 45	0 21	0 19	19 28	0 52	18 55	0 44	10 17	0 34	16 51	1 44	7 33	12 37	23 28	23 26	4 37	13 36	2 32
S 22	19 46	4 58	4 49	16 46	1 11	21 55	0 47	0 3	0 18	19 30	0 52	18 53	0 44	10 17	0 34	16 51	1 44	7 34	12 37	23 28	23 26	4 34	13 37	2 31
S 23	19 32	1s 0	5 9	16 8	1 2	21 43	0 49	0n16	0 17	19 32	0 52	18 52	0 44	10 17	0 34	16 51	1 44	7 34	12 36	23 28	23 26	4 32	13 37	2 31
M24	19 18	6 47	5 8	15 29	0 52	21 30	0 51	0 34	0 16	19 34	0 52	18 50	0 44	10 17	0 34	16 52	1 44	7 34	12 36	23 27	23 25	4 29	13 37	2 31
T 25	19 4	12 5	4 48	14 51	0 41	21 17	0 53	0 52	0 15	19 35	0 53	18 48	0 44	10 17	0 34	16 52	1 44	7 34	12 36	23 27	23 25	4 26	13 37	2 31
W26	18 49	16 36	4 12	14 12	0 30	21 3	0 55	1 10	0 14	19 37	0 53	18 46	0 44	10 18	0 34	16 52	1 44	7 34	12 35	23 27	23 25	4 23	13 37	2 31
T 27	18 34	20 8	3 22	13 33	0 17	20 48	0 56	1 28	0 13	19 39	0 53	18 44	0 44	10 18	0 34	16 52	1 44	7 35	12 35	23 27	23 25	4 21	13 37	2 31
F 28	18 18	22 31	2 23	12 55	0 4	20 33	0 58	1 46	0 12	19 41	0 53	18 42	0 44	10 18	0 34	16 52	1 44	7 35	12 35	23 27	23 25	4 18	13 37	2 31
S 29	18 2	23 40	1 17	12 17	0n10	20 17	1 0	2 4	0 11	19 42	0 53	18 41	0 44	10 18	0 34	16 52	1 44	7 35	12 35	23 27	23 25	4 15	13 37	2 31
S 30	17 46	23 34	0 10	11 41	0 25	20 1	1 2	2 22	0 10	19 44	0 53	18 39	0 44	10 18	0 34	16 53	1 45	7 35	12 34	23 27	23 25	4 12	13 38	2 31
M31	17s29	22s18	0n57	11s 7	0n41	19s44	1s 3	2n40	0s 9	19s45	0n53	18s37	0s44	10s18	0n34	16s53	1n45	7n35	12s34	23s27	23s25	4s10	13n38	2s31

Julian Day Number = 2319692.5, Delta T = 51.11 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'06, Lahiri = 18°49'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

FEBRUARY 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 43 50	12♒ 3'57	20♉ 7	0♓ 5	7♒40	7♈48	2♐14	9♒38	28°R 8	23♏ 3	28°R30	27°R15	25♐31	7♓47	13♉53	T 1
W 2	8 47 46	13° 4'45	2♒13	0°45	8°55	8°31	2°22	9°45	28♎ 8	23° 3	28♉29	27♐10	25°28	7°53	13°53	W 2
T 3	8 51 43	14° 5'33	14°13	1°16	10°11	9°15	2°30	9°52	28° 8	23° 4	28°29	27° 2	25°25	8° 0	13°54	T 3
F 4	8 55 39	15° 6'19	26° 9	1°37	11°26	9°58	2°38	10° 0	28° 8	23° 5	28°29	26°53	25°22	8° 7	13°55	F 4
S 5	8 59 36	16° 7'04	8♓ 2	1°R47	12°41	10°41	2°46	10° 7	28° 8	23° 5	28°29	26°43	25°19	8°14	13°56	S 5
S 6	9 3 32	17° 7'47	19°53	1°47	13°56	11°24	2°53	10°14	28° 7	23° 6	28°29	26°33	25°15	8°20	13°57	S 6
M 7	9 7 29	18° 8'28	1♈45	1°36	15°11	12° 7	3° 1	10°21	28° 7	23° 6	28°29	26°24	25°12	8°27	13°58	M 7
T 8	9 11 25	19° 9'08	13°40	1°15	16°27	12°50	3° 8	10°28	28° 7	23° 7	28°28	26°16	25° 9	8°34	13°59	T 8
W 9	9 15 22	20° 9'47	25°41	0°43	17°42	13°33	3°15	10°35	28° 6	23° 7	28°28	26°10	25° 6	8°40	14° 0	W 9
T 10	9 19 19	21°10'23	7♉53	0° 3	18°57	14°16	3°22	10°42	28° 6	23° 8	28°28	26° 7	25° 3	8°47	14° 1	T 10
F 11	9 23 15	22°10'58	20°19	29♒14	20°12	14°59	3°29	10°49	28° 5	23° 8	28°D28	26°D 6	25° 0	8°54	14° 3	F 11
S 12	9 27 12	23°11'32	3♊ 5	28°18	21°27	15°42	3°36	10°57	28° 5	23° 9	28°28	26° 6	24°56	9° 1	14° 4	S 12
S 13	9 31 8	24°12'03	16°15	27°17	22°42	16°25	3°43	11° 4	28° 4	23° 9	28°28	26° 7	24°53	9° 7	14° 5	S 13
M14	9 35 5	25°12'33	29°52	26°12	23°58	17° 8	3°49	11°11	28° 4	23°10	28°28	26°R 8	24°50	9°14	14° 7	M14
T 15	9 39 1	26°13'00	13♋58	25° 5	25°13	17°51	3°55	11°18	28° 3	23°10	28°29	26° 6	24°47	9°21	14° 8	T 15
W16	9 42 58	27°13'26	28°33	23°57	26°28	18°33	4° 1	11°25	28° 2	23°10	28°29	26° 2	24°44	9°27	14°10	W16
T 17	9 46 54	28°13'50	13♌32	22°52	27°43	19°16	4° 7	11°32	28° 1	23°10	28°29	25°56	24°40	9°34	14°12	T 17
F 18	9 50 51	29°14'12	28°47	21°49	28°58	19°59	4°13	11°39	28° 0	23°10	28°29	25°48	24°37	9°41	14°13	F 18
S 19	9 54 48	0♓14'33	14♍ 8	20°50	0♓13	20°41	4°19	11°46	27°59	23°11	28°29	25°38	24°34	9°48	14°15	S 19
S 20	9 58 44	1°14'52	29°22	19°57	1°28	21°24	4°24	11°52	27°58	23°11	28°29	25°28	24°31	9°54	14°17	S 20
M21	10 2 41	2°15'09	14♎20	19°10	2°43	22° 7	4°30	11°59	27°57	23°11	28°29	25°19	24°28	10° 1	14°19	M21
T 22	10 6 37	3°15'25	28°54	18°29	3°58	22°49	4°35	12° 6	27°56	23°11	28°30	25°13	24°25	10° 8	14°21	T 22
W23	10 10 34	4°15'39	12♏59	17°55	5°13	23°32	4°40	12°13	27°55	23°R11	28°30	25° 8	24°21	10°15	14°23	W23
T 24	10 14 30	5°15'52	26°36	17°29	6°28	24°14	4°45	12°20	27°54	23°11	28°30	25° 6	24°18	10°21	14°25	T 24
F 25	10 18 27	6°16'03	9♐45	17° 9	7°43	24°57	4°49	12°27	27°53	23°11	28°30	25°D 6	24°15	10°28	14°27	F 25
S 26	10 22 23	7°16'13	22°32	16°57	8°58	25°39	4°54	12°33	27°52	23°11	28°31	25°R 6	24°12	10°35	14°29	S 26
S 27	10 26 20	8°16'21	5♑ 0	16°D51	10°13	26°22	4°58	12°40	27°50	23°11	28°31	25° 6	24° 9	10°41	14°31	S 27
M28	10 30 17	9♓16'28	17♑14	16♒52	11♓28	27♈ 4	5♐ 2	12♒47	27♎49	23♏11	28♉31	25♐ 4	24♐ 5	10♓48	14♉34	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17s13	20s 0	2n 0	10s35	0n57	19s26	1s 5	2n58	0s 8	19s47	0n53	18s35	0s44	10s18	0n34	16s53	1n45	7n36	12s34	23s27	23s25	4s 7	13n38	2s31	T 1
W 2	16 55	16 50	2 57	10 5	1 13	19 8	1 6	3 16	0 7	19 49	0 53	18 33	0 44	10 18	0 34	16 53	1 45	7 36	12 33	23 27	23 24	4 4	13 38	2 31	W 2
T 3	16 38	13 0	3 46	9 39	1 30	18 49	1 8	3 34	0 7	19 50	0 53	18 31	0 44	10 18	0 34	16 53	1 45	7 36	12 33	23 27	23 24	4 2	13 39	2 31	T 3
F 4	16 20	8 41	4 24	9 16	1 46	18 30	1 9	3 52	0 6	19 52	0 53	18 29	0 44	10 18	0 34	16 53	1 45	7 36	12 33	23 27	23 24	3 59	13 39	2 31	F 4
S 5	16 2	4 5	4 50	8 57	2 3	18 10	1 11	4 10	0 5	19 53	0 53	18 28	0 45	10 18	0 34	16 53	1 45	7 37	12 33	23 27	23 24	3 56	13 39	2 30	S 5
S 6	15 44	0n39	5 4	8 41	2 19	17 49	1 12	4 28	0 4	19 54	0 53	18 26	0 45	10 17	0 34	16 53	1 45	7 37	12 32	23 26	23 24	3 53	13 40	2 30	S 6
M 7	15 25	5 21	5 5	8 31	2 35	17 29	1 13	4 45	0 3	19 56	0 53	18 24	0 45	10 17	0 34	16 54	1 45	7 37	12 32	23 26	23 24	3 51	13 40	2 30	M 7
T 8	15 7	9 53	4 52	8 25	2 50	17 7	1 14	5 3	0 2	19 57	0 53	18 22	0 45	10 17	0 35	16 54	1 45	7 37	12 32	23 26	23 24	3 48	13 40	2 30	T 8
W 9	14 47	14 5	4 27	8 23	3 3	16 45	1 16	5 20	0 1	19 58	0 54	18 20	0 45	10 17	0 35	16 54	1 45	7 38	12 31	23 26	23 24	3 45	13 41	2 30	W 9
T 10	14 28	17 46	3 49	8 26	3 15	16 23	1 17	5 38	0 0	20 0	0 54	18 18	0 45	10 17	0 35	16 54	1 45	7 38	12 31	23 26	23 24	3 43	13 41	2 30	T 10
F 11	14 9	20 45	3 0	8 34	3 25	16 0	1 18	5 55	0n 0	20 1	0 54	18 16	0 45	10 17	0 35	16 54	1 45	7 38	12 31	23 26	23 23	3 40	13 42	2 30	F 11
S 12	13 49	22 47	2 0	8 45	3 33	15 37	1 19	6 13	0 1	20 2	0 54	18 15	0 45	10 16	0 35	16 54	1 45	7 39	12 30	23 26	23 23	3 37	13 42	2 30	S 12
S 13	13 29	23 39	0 53	9 0	3 39	15 14	1 20	6 30	0 2	20 3	0 54	18 13	0 45	10 16	0 35	16 54	1 45	7 39	12 30	23 26	23 23	3 34	13 43	2 30	S 13
M14	13 9	23 9	0s20	9 19	3 43	14 50	1 21	6 47	0 3	20 4	0 54	18 11	0 45	10 16	0 35	16 54	1 45	7 39	12 30	23 26	23 23	3 32	13 43	2 30	M14
T 15	12 48	21 12	1 34	9 39	3 45	14 25	1 21	7 4	0 4	20 5	0 54	18 9	0 45	10 16	0 35	16 54	1 45	7 40	12 30	23 26	23 23	3 29	13 44	2 30	T 15
W16	12 28	17 49	2 44	10 2	3 44	14 0	1 22	7 21	0 5	20 6	0 54	18 7	0 45	10 15	0 35	16 54	1 45	7 40	12 29	23 26	23 23	3 26	13 44	2 30	W16
T 17	12 7	13 12	3 45	10 26	3 41	13 35	1 23	7 38	0 5	20 7	0 54	18 5	0 46	10 15	0 35	16 54	1 46	7 40	12 29	23 25	23 23	3 23	13 45	2 30	T 17
F 18	11 46	7 42	4 30	10 51	3 36	13 10	1 23	7 55	0 6	20 8	0 54	18 3	0 46	10 15	0 35	16 54	1 46	7 40	12 29	23 25	23 23	3 21	13 45	2 30	F 18
S 19	11 25	1 41	4 57	11 16	3 29	12 44	1 24	8 12	0 7	20 9	0 54	18 2	0 46	10 14	0 35	16 54	1 46	7 41	12 28	23 25	23 22	3 18	13 46	2 29	S 19
S 20	11 3	4s22	5 2	11 41	3 20	12 17	1 24	8 29	0 8	20 10	0 54	18 0	0 46	10 14	0 35	16 54	1 46	7 41	12 28	23 24	23 22	3 15	13 47	2 29	S 20
M21	10 42	10 4	4 47	12 5	3 10	11 51	1 25	8 46	0 9	20 11	0 55	17 58	0 46	10 14	0 35	16 54	1 46	7 41	12 28	23 24	23 22	3 13	13 47	2 29	M21
T 22	10 20	15 2	4 13	12 28	2 59	11 24	1 25	9 2	0 9	20 12	0 55	17 56	0 46	10 13	0 35	16 54	1 46	7 42	12 27	23 24	23 22	3 10	13 48	2 29	T 22
W23	9 58	19 0	3 24	12 50	2 47	10 57	1 26	9 19	0 10	20 13	0 55	17 54	0 46	10 13	0 35	16 54	1 46	7 42	12 27	23 24	23 22	3 7	13 48	2 29	W23
T 24	9 36	21 47	2 25	13 10	2 35	10 29	1 26	9 35	0 11	20 14	0 55	17 52	0 46	10 12	0 35	16 54	1 46	7 42	12 27	23 24	23 22	3 4	13 49	2 29	T 24
F 25	9 14	23 17	1 21	13 29	2 21	10 1	1 26	9 52	0 12	20 15	0 55	17 51	0 46	10 12	0 35	16 54	1 46	7 43	12 27	23 24	23 22	3 2	13 50	2 29	F 25
S 26	8 51	23 30	0 14	13 45	2 8	9 33	1 26	10 8	0 13	20 15	0 55	17 49	0 46	10 11	0 35	16 54	1 46	7 43	12 26	23 24	23 22	2 59	13 50	2 29	S 26
S 27	8 29	22 31	0n52	14 0	1 54	9 5	1 26	10 24	0 13	20 16	0 55	17 47	0 46	10 11	0 35	16 54	1 46	7 44	12 26	23 24	23 21	2 56	13 51	2 29	S 27
M28	8s 6	20s29	1n54	14s13	1n40	8s36	1s26	10n40	0n14	20s17	0n55	17s45	0s47	10s10	0n35	16s53	1n46	7n44	12s26	23s24	23s21	2s54	13n52	2s29	M28

Julian Day Number = 2319723.5, Delta T = 51.04 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'10, Lahiri = 18°49'11Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

MARCH 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 34 13	10♓16'33	29♉18	16♒59	12♓43	27♈46	5♐ 6	12♒53	27°R48	23°R10	28♉32	24°R59	24♐ 2	10♓55	14♉36	T 1
W 2	10 38 10	11°16'36	11♒15	17°12	13°57	28°29	5°10	13° 0	27♎46	23♏10	28°32	24♐52	23°59	11° 2	14°38	W 2
T 3	10 42 6	12°16'37	23° 8	17°31	15°12	29°11	5°14	13° 7	27°45	23°10	28°33	24°41	23°56	11° 8	14°41	T 3
F 4	10 46 3	13°16'37	5♓ 0	17°54	16°27	29°53	5°17	13°13	27°43	23°10	28°33	24°28	23°53	11°15	14°43	F 4
S 5	10 49 59	14°16'34	16°52	18°23	17°42	0♉35	5°21	13°20	27°41	23° 9	28°34	24°14	23°50	11°22	14°46	S 5
S 6	10 53 56	15°16'30	28°45	18°57	18°57	1°17	5°24	13°26	27°40	23° 9	28°34	23°59	23°46	11°28	14°49	S 6
M 7	10 57 52	16°16'24	10♈40	19°34	20°12	1°59	5°27	13°33	27°38	23° 9	28°35	23°45	23°43	11°35	14°51	M 7
T 8	11 1 49	17°16'15	22°40	20°16	21°26	2°42	5°30	13°39	27°36	23° 8	28°35	23°33	23°40	11°42	14°54	T 8
W 9	11 5 45	18°16'05	4♉46	21° 1	22°41	3°24	5°32	13°45	27°35	23° 8	28°36	23°24	23°37	11°49	14°57	W 9
T 10	11 9 42	19°15'52	17° 0	21°50	23°56	4° 6	5°35	13°52	27°33	23° 7	28°36	23°18	23°34	11°55	15° 0	T 10
F 11	11 13 39	20°15'37	29°27	22°42	25°11	4°48	5°37	13°58	27°31	23° 7	28°37	23°15	23°31	12° 2	15° 3	F 11
S 12	11 17 35	21°15'20	12♊11	23°37	26°25	5°30	5°39	14° 4	27°29	23° 6	28°37	23°14	23°27	12° 9	15° 5	S 12
S 13	11 21 32	22°15'01	25°14	24°35	27°40	6°11	5°41	14°10	27°27	23° 6	28°38	23°14	23°24	12°15	15° 8	S 13
M14	11 25 28	23°14'39	8♋42	25°36	28°55	6°53	5°42	14°16	27°25	23° 5	28°39	23°14	23°21	12°22	15°11	M14
T 15	11 29 25	24°14'15	22°36	26°40	0♈ 9	7°35	5°44	14°23	27°23	23° 5	28°39	23°12	23°18	12°29	15°15	T 15
W16	11 33 21	25°13'49	6♌59	27°45	1°24	8°17	5°45	14°29	27°21	23° 4	28°40	23° 8	23°15	12°36	15°18	W16
T 17	11 37 18	26°13'20	21°47	28°54	2°39	8°59	5°46	14°35	27°19	23° 3	28°41	23° 1	23°11	12°42	15°21	T 17
F 18	11 41 14	27°12'49	6♍55	0♓ 4	3°53	9°40	5°47	14°40	27°17	23° 3	28°41	22°51	23° 8	12°49	15°24	F 18
S 19	11 45 11	28°12'16	22°13	1°16	5° 8	10°22	5°48	14°46	27°15	23° 2	28°42	22°40	23° 5	12°56	15°27	S 19
S 20	11 49 8	29°11'41	7♎31	2°31	6°22	11° 4	5°49	14°52	27°13	23° 1	28°43	22°29	23° 2	13° 3	15°31	S 20
M21	11 53 4	0♈11'04	22°37	3°47	7°37	11°45	5°49	14°58	27°11	23° 0	28°44	22°19	22°59	13° 9	15°34	M21
T 22	11 57 1	1°10'25	7♏21	5° 5	8°51	12°27	5°49	15° 4	27° 9	22°59	28°44	22°11	22°56	13°16	15°37	T 22
W23	12 0 57	2° 9'44	21°37	6°25	10° 6	13° 8	5°R49	15° 9	27° 7	22°59	28°45	22° 5	22°52	13°23	15°41	W23
T 24	12 4 54	3° 9'01	5♐23	7°47	11°20	13°50	5°49	15°15	27° 4	22°58	28°46	22° 2	22°49	13°29	15°44	T 24
F 25	12 8 50	4° 8'16	18°40	9°11	12°35	14°31	5°49	15°20	27° 2	22°57	28°47	22°D 2	22°46	13°36	15°48	F 25
S 26	12 12 47	5° 7'30	1♑31	10°36	13°49	15°13	5°48	15°26	27° 0	22°56	28°48	22°R 2	22°43	13°43	15°51	S 26
S 27	12 16 43	6° 6'42	14° 0	12° 2	15° 3	15°54	5°47	15°31	26°57	22°55	28°49	22° 2	22°40	13°50	15°55	S 27
M28	12 20 40	7° 5'52	26°13	13°31	16°18	16°35	5°46	15°37	26°55	22°54	28°49	22° 0	22°37	13°56	15°58	M28
T 29	12 24 37	8° 5'01	8♒14	15° 1	17°32	17°17	5°45	15°42	26°53	22°53	28°50	21°56	22°33	14° 3	16° 2	T 29
W30	12 28 33	9° 4'07	20° 8	16°32	18°46	17°58	5°44	15°47	26°50	22°52	28°51	21°50	22°30	14°10	16° 6	W30
T 31	12 32 30	10♈ 3'12	1♓59	18♓ 5	20♈ 1	18♉39	5♐43	15♒52	26♎48	22♏51	28♉52	21♐40	22♐27	14♓16	16♉ 9	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s44	17s34	2n50	14s24	1n27	8s 8	1s26	10n56	0n15	20s17	0n55	17s43	0s47	10s10	0n35	16s53	1n46	7n44	12s25	23s23	23s21	2s51	13n53	2s29
W 2	7 21	13 56	3 38	14 33	1 13	7 39	1 26	11 12	0 15	20 18	0 55	17 42	0 47	10 9	0 35	16 53	1 46	7 45	12 25	23 23	23 21	2 48	13 53	2 29
T 3	6 58	9 48	4 16	14 40	1 0	7 9	1 26	11 27	0 16	20 18	0 55	17 40	0 47	10 9	0 35	16 53	1 46	7 45	12 25	23 23	23 21	2 45	13 54	2 29
F 4	6 35	5 18	4 43	14 45	0 47	6 40	1 25	11 43	0 17	20 19	0 55	17 38	0 47	10 8	0 35	16 53	1 46	7 45	12 25	23 22	23 21	2 43	13 55	2 29
S 5	6 12	0 38	4 57	14 49	0 34	6 11	1 25	11 59	0 18	20 19	0 56	17 36	0 47	10 8	0 35	16 53	1 46	7 46	12 24	23 22	23 21	2 40	13 56	2 29
S 6	5 49	4n 4	4 59	14 50	0 21	5 41	1 25	12 14	0 18	20 20	0 56	17 34	0 47	10 7	0 35	16 53	1 46	7 46	12 24	23 21	23 20	2 37	13 57	2 29
M 7	5 26	8 38	4 47	14 50	0 9	5 11	1 24	12 29	0 19	20 20	0 56	17 33	0 47	10 6	0 35	16 53	1 47	7 46	12 24	23 20	23 20	2 35	13 57	2 29
T 8	5 2	12 53	4 22	14 48	0s 2	4 41	1 24	12 44	0 20	20 21	0 56	17 31	0 47	10 6	0 35	16 52	1 47	7 47	12 23	23 20	23 20	2 32	13 58	2 29
W 9	4 39	16 41	3 46	14 44	0 14	4 11	1 23	12 59	0 20	20 21	0 56	17 29	0 48	10 5	0 35	16 52	1 47	7 47	12 23	23 19	23 20	2 29	13 59	2 29
T 10	4 15	19 48	2 59	14 38	0 24	3 41	1 23	13 14	0 21	20 21	0 56	17 28	0 48	10 5	0 35	16 52	1 47	7 48	12 23	23 19	23 20	2 27	14 0	2 28
F 11	3 52	22 4	2 2	14 31	0 35	3 10	1 22	13 29	0 22	20 22	0 56	17 26	0 48	10 4	0 35	16 52	1 47	7 48	12 23	23 19	23 20	2 24	14 1	2 28
S 12	3 28	23 15	0 58	14 23	0 45	2 40	1 21	13 44	0 22	20 22	0 56	17 24	0 48	10 3	0 35	16 52	1 47	7 48	12 22	23 19	23 19	2 21	14 2	2 28
S 13	3 5	23 13	0s11	14 12	0 54	2 9	1 20	13 58	0 23	20 22	0 56	17 22	0 48	10 2	0 35	16 52	1 47	7 49	12 22	23 19	23 19	2 18	14 3	2 28
M14	2 41	21 51	1 21	14 0	1 3	1 39	1 19	14 13	0 24	20 23	0 56	17 21	0 48	10 2	0 35	16 51	1 47	7 49	12 22	23 19	23 19	2 16	14 4	2 28
T 15	2 18	19 9	2 28	13 47	1 12	1 8	1 18	14 27	0 24	20 23	0 56	17 19	0 48	10 1	0 35	16 51	1 47	7 50	12 21	23 19	23 19	2 13	14 4	2 28
W16	1 54	15 12	3 29	13 32	1 20	0 37	1 17	14 41	0 25	20 23	0 57	17 17	0 48	10 0	0 35	16 51	1 47	7 50	12 21	23 18	23 19	2 10	14 5	2 28
T 17	1 30	10 13	4 17	13 15	1 28	0 7	1 16	14 55	0 26	20 23	0 57	17 16	0 48	10 0	0 35	16 51	1 47	7 50	12 21	23 18	23 19	2 8	14 6	2 28
F 18	1 7	4 31	4 49	12 57	1 35	0n24	1 15	15 9	0 26	20 23	0 57	17 14	0 49	9 59	0 35	16 50	1 47	7 51	12 21	23 18	23 18	2 5	14 7	2 28
S 19	0 43	1s30	5 0	12 37	1 42	0 55	1 14	15 23	0 27	20 23	0 57	17 13	0 49	9 58	0 35	16 50	1 47	7 51	12 20	23 17	23 18	2 2	14 8	2 28
S 20	0 19	7 26	4 50	12 17	1 48	1 25	1 13	15 37	0 28	20 23	0 57	17 11	0 49	9 57	0 35	16 50	1 47	7 52	12 20	23 16	23 18	2 0	14 9	2 28
M21	0n 4	12 50	4 20	11 54	1 54	1 56	1 11	15 50	0 28	20 23	0 57	17 9	0 49	9 57	0 35	16 50	1 47	7 52	12 20	23 16	23 18	1 57	14 10	2 28
T 22	0 28	17 20	3 33	11 31	1 59	2 27	1 10	16 4	0 29	20 23	0 57	17 8	0 49	9 56	0 35	16 50	1 47	7 52	12 20	23 15	23 18	1 54	14 11	2 28
W23	0 52	20 40	2 33	11 5	2 4	2 57	1 9	16 17	0 29	20 23	0 57	17 6	0 49	9 55	0 35	16 49	1 47	7 53	12 19	23 15	23 18	1 51	14 12	2 28
T 24	1 15	22 40	1 27	10 39	2 8	3 28	1 7	16 30	0 30	20 23	0 57	17 5	0 49	9 54	0 35	16 49	1 47	7 53	12 19	23 15	23 17	1 49	14 13	2 28
F 25	1 39	23 18	0 18	10 11	2 12	3 58	1 6	16 43	0 31	20 23	0 57	17 3	0 49	9 53	0 35	16 49	1 47	7 54	12 19	23 15	23 17	1 46	14 14	2 28
S 26	2 2	22 39	0n50	9 42	2 16	4 29	1 4	16 56	0 31	20 23	0 57	17 2	0 50	9 52	0 35	16 48	1 47	7 54	12 19	23 15	23 17	1 43	14 15	2 28
S 27	2 26	20 52	1 54	9 12	2 19	4 59	1 3	17 8	0 32	20 22	0 57	17 0	0 50	9 52	0 35	16 48	1 48	7 54	12 18	23 15	23 17	1 41	14 16	2 28
M28	2 49	18 9	2 51	8 40	2 21	5 29	1 1	17 21	0 32	20 22	0 57	16 59	0 50	9 51	0 35	16 48	1 48	7 55	12 18	23 15	23 17	1 38	14 17	2 28
T 29	3 13	14 43	3 39	8 7	2 23	5 59	0 59	17 33	0 33	20 22	0 58	16 57	0 50	9 50	0 35	16 48	1 48	7 55	12 18	23 14	23 17	1 35	14 18	2 28
W30	3 36	10 44	4 17	7 33	2 25	6 29	0 57	17 45	0 33	20 22	0 58	16 56	0 50	9 49	0 35	16 47	1 48	7 56	12 18	23 14	23 16	1 33	14 19	2 28
T 31	3n59	6s22	4n44	6s57	2s26	6n59	0s56	17n57	0n34	20s21	0n58	16s54	0s50	9s48	0n35	16s47	1n48	7n56	12s18	23s13	23s16	1s30	14n20	2s28

Julian Day Number = 2319751.5, Delta T = 50.99 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'14, Lahiri = 18°49'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

APRIL 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 36 26	11♈ 2'14	13♓50	19♓39	21♈15	19♉20	5°R41	15♒58	26°R46	22°R50	28♉53	21°R29	22♐24	14♓23	16♉13	F 1
S 2	12 40 23	12° 1'15	25°43	21°15	22°29	20° 1	5♐39	16° 3	26♎43	22♏49	28°54	21♐16	22°21	14°30	16°17	S 2
S 3	12 44 19	13° 0'14	7♈40	22°53	23°43	20°43	5°37	16° 8	26°41	22°47	28°55	21° 3	22°17	14°37	16°21	S 3
M 4	12 48 16	13°59'10	19°42	24°32	24°58	21°24	5°35	16°12	26°38	22°46	28°56	20°51	22°14	14°43	16°24	M 4
T 5	12 52 12	14°58'05	1♉51	26°13	26°12	22° 5	5°32	16°17	26°36	22°45	28°57	20°40	22°11	14°50	16°28	T 5
W 6	12 56 9	15°56'58	14° 7	27°55	27°26	22°46	5°30	16°22	26°33	22°44	28°58	20°32	22° 8	14°57	16°32	W 6
T 7	13 0 5	16°55'48	26°33	29°38	28°40	23°27	5°27	16°27	26°31	22°43	28°59	20°27	22° 5	15° 3	16°36	T 7
F 8	13 4 2	17°54'37	9♊ 9	1♈23	29°54	24° 8	5°24	16°31	26°28	22°41	29° 0	20°24	22° 2	15°10	16°40	F 8
S 9	13 7 59	18°53'23	21°59	3°10	1♉ 8	24°49	5°21	16°36	26°26	22°40	29° 1	20°D24	21°58	15°17	16°44	S 9
S 10	13 11 55	19°52'07	5♋ 6	4°58	2°22	25°29	5°18	16°40	26°23	22°39	29° 2	20°24	21°55	15°24	16°48	S 10
M11	13 15 52	20°50'49	18°31	6°48	3°36	26°10	5°14	16°45	26°21	22°38	29° 4	20°R25	21°52	15°30	16°52	M11
T 12	13 19 48	21°49'28	2♌19	8°39	4°50	26°51	5°10	16°49	26°18	22°36	29° 5	20°24	21°49	15°37	16°56	T 12
W13	13 23 45	22°48'05	16°28	10°32	6° 4	27°32	5° 7	16°53	26°16	22°35	29° 6	20°22	21°46	15°44	17° 0	W13
T 14	13 27 41	23°46'40	0♍59	12°27	7°18	28°13	5° 3	16°57	26°13	22°34	29° 7	20°18	21°42	15°51	17° 4	T 14
F 15	13 31 38	24°45'13	15°48	14°23	8°32	28°53	4°58	17° 2	26°10	22°32	29° 8	20°11	21°39	15°57	17° 8	F 15
S 16	13 35 34	25°43'43	0♎47	16°20	9°46	29°34	4°54	17° 6	26° 8	22°31	29° 9	20° 3	21°36	16° 4	17°12	S 16
S 17	13 39 31	26°42'12	15°50	18°19	11° 0	0♊14	4°50	17°10	26° 5	22°29	29°10	19°55	21°33	16°11	17°17	S 17
M18	13 43 28	27°40'38	0♏45	20°20	12°14	0°55	4°45	17°13	26° 3	22°28	29°12	19°47	21°30	16°17	17°21	M18
T 19	13 47 24	28°39'03	15°24	22°22	13°28	1°36	4°40	17°17	26° 0	22°26	29°13	19°41	21°27	16°24	17°25	T 19
W20	13 51 21	29°37'26	29°40	24°25	14°41	2°16	4°35	17°21	25°58	22°25	29°14	19°38	21°23	16°31	17°29	W20
T 21	13 55 17	0♑35'47	13♐30	26°30	15°55	2°57	4°30	17°24	25°55	22°24	29°15	19°D36	21°20	16°38	17°33	T 21
F 22	13 59 14	1°34'06	26°52	28°36	17° 9	3°37	4°25	17°28	25°53	22°22	29°16	19°36	21°17	16°44	17°38	F 22
S 23	14 3 10	2°32'25	9♒49	0♑43	18°23	4°17	4°20	17°31	25°50	22°21	29°18	19°37	21°14	16°51	17°42	S 23
S 24	14 7 7	3°30'41	22°23	2°51	19°36	4°58	4°14	17°35	25°47	22°19	29°19	19°38	21°11	16°58	17°46	S 24
M25	14 11 3	4°28'56	4♒39	5° 0	20°50	5°38	4° 9	17°38	25°45	22°18	29°20	19°R39	21° 8	17° 5	17°51	M25
T 26	14 15 0	5°27'09	16°43	7° 9	22° 4	6°18	4° 3	17°41	25°42	22°16	29°21	19°38	21° 4	17°11	17°55	T 26
W27	14 18 57	6°25'21	28°38	9°19	23°17	6°59	3°57	17°44	25°40	22°14	29°23	19°36	21° 1	17°18	17°59	W27
T 28	14 22 53	7°23'31	10♓30	11°28	24°31	7°39	3°51	17°47	25°37	22°13	29°24	19°31	20°58	17°25	18° 3	T 28
F 29	14 26 50	8°21'40	22°21	13°38	25°44	8°19	3°45	17°50	25°35	22°11	29°25	19°25	20°55	17°31	18° 8	F 29
S 30	14 30 46	9♉19'47	4♈17	15♉46	26♉58	8♊59	3♐39	17♒53	25♎33	22♏10	29♉26	19♐18	20♐52	17♓38	18♉12	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	4n23	1s47	4n59	6s21	2s26	7n28	0s54	18n 9	0n35	20s21	0n58	16s53	0s50	9s47	0n35	16s47	1n48	7n57	12s17	23s13	23s16	1s27	14n21	2s28	F 1
S 2	4 46	2n53	5 0	5 43	2 26	7 58	0 52	18 21	0 35	20 20	0 58	16 52	0 50	9 46	0 35	16 46	1 48	7 57	12 17	23 12	23 16	1 25	14 23	2 28	S 2
S 3	5 9	7 28	4 49	5 4	2 26	8 27	0 50	18 32	0 36	20 20	0 58	16 50	0 51	9 46	0 35	16 46	1 48	7 57	12 17	23 11	23 16	1 22	14 24	2 28	S 3
M 4	5 32	11 48	4 25	4 24	2 25	8 56	0 48	18 44	0 36	20 20	0 58	16 49	0 51	9 45	0 35	16 46	1 48	7 58	12 17	23 10	23 15	1 19	14 25	2 28	M 4
T 5	5 54	15 42	3 48	3 42	2 24	9 25	0 46	18 55	0 37	20 19	0 58	16 48	0 51	9 44	0 35	16 45	1 48	7 58	12 16	23 9	23 15	1 17	14 26	2 28	T 5
W 6	6 17	18 58	3 0	3 0	2 22	9 54	0 44	19 6	0 37	20 19	0 58	16 46	0 51	9 43	0 35	16 45	1 48	7 59	12 16	23 9	23 15	1 14	14 27	2 28	W 6
T 7	6 40	21 25	2 3	2 16	2 19	10 22	0 42	19 17	0 38	20 18	0 58	16 45	0 51	9 42	0 35	16 45	1 48	7 59	12 16	23 8	23 15	1 11	14 28	2 28	T 7
F 8	7 2	22 51	1 0	1 32	2 16	10 51	0 40	19 27	0 38	20 17	0 58	16 44	0 51	9 41	0 35	16 44	1 48	7 59	12 16	23 8	23 15	1 9	14 29	2 28	F 8
S 9	7 25	23 6	0s 9	0 46	2 13	11 18	0 37	19 38	0 39	20 17	0 58	16 43	0 51	9 40	0 35	16 44	1 48	8 0	12 16	23 8	23 15	1 6	14 30	2 28	S 9
S 10	7 47	22 6	1 18	0n 0	2 9	11 46	0 35	19 48	0 39	20 16	0 58	16 41	0 52	9 39	0 35	16 44	1 48	8 0	12 15	23 8	23 14	1 3	14 31	2 28	S 10
M11	8 9	19 49	2 24	0 48	2 4	12 14	0 33	19 59	0 40	20 16	0 58	16 40	0 52	9 38	0 35	16 43	1 48	8 1	12 15	23 8	23 14	1 0	14 32	2 28	M11
T 12	8 31	16 22	3 25	1 36	2 0	12 41	0 31	20 9	0 40	20 15	0 58	16 39	0 52	9 37	0 35	16 43	1 48	8 1	12 15	23 8	23 14	0 58	14 34	2 28	T 12
W13	8 53	11 54	4 14	2 26	1 54	13 7	0 28	20 18	0 41	20 14	0 58	16 38	0 52	9 36	0 35	16 43	1 48	8 2	12 15	23 8	23 14	0 55	14 35	2 28	W13
T 14	9 15	6 39	4 48	3 16	1 48	13 34	0 26	20 28	0 41	20 13	0 58	16 37	0 52	9 36	0 35	16 42	1 48	8 2	12 15	23 8	23 14	0 52	14 36	2 28	T 14
F 15	9 36	0 56	5 4	4 7	1 42	14 0	0 24	20 38	0 42	20 13	0 58	16 36	0 52	9 35	0 35	16 42	1 48	8 2	12 14	23 7	23 13	0 50	14 37	2 28	F 15
S 16	9 58	4s54	5 0	4 59	1 35	14 26	0 21	20 47	0 42	20 12	0 58	16 35	0 53	9 34	0 35	16 41	1 48	8 3	12 14	23 7	23 13	0 47	14 38	2 28	S 16
S 17	10 19	10 28	4 35	5 51	1 27	14 51	0 19	20 56	0 43	20 11	0 59	16 34	0 53	9 33	0 35	16 41	1 48	8 3	12 14	23 6	23 13	0 44	14 39	2 28	S 17
M18	10 40	15 22	3 51	6 44	1 19	15 16	0 17	21 5	0 43	20 10	0 59	16 33	0 53	9 32	0 35	16 41	1 48	8 4	12 14	23 6	23 13	0 42	14 40	2 28	M18
T 19	11 1	19 14	2 53	7 38	1 11	15 41	0 14	21 14	0 43	20 9	0 59	16 32	0 53	9 31	0 35	16 40	1 48	8 4	12 14	23 5	23 13	0 39	14 41	2 28	T 19
W20	11 22	21 50	1 45	8 31	1 2	16 6	0 12	21 22	0 44	20 8	0 59	16 31	0 53	9 30	0 35	16 40	1 48	8 4	12 14	23 5	23 12	0 36	14 43	2 28	W20
T 21	11 42	23 0	0 33	9 25	0 53	16 29	0 9	21 31	0 44	20 7	0 59	16 30	0 53	9 29	0 35	16 39	1 48	8 5	12 13	23 5	23 12	0 34	14 44	2 28	T 21
F 22	12 3	22 48	0n39	10 19	0 43	16 53	0 7	21 39	0 45	20 6	0 59	16 29	0 53	9 28	0 35	16 39	1 48	8 5	12 13	23 5	23 12	0 31	14 45	2 28	F 22
S 23	12 23	21 21	1 47	11 13	0 34	17 16	0 4	21 47	0 45	20 5	0 59	16 28	0 54	9 27	0 35	16 39	1 48	8 6	12 13	23 5	23 12	0 28	14 46	2 28	S 23
S 24	12 43	18 52	2 48	12 7	0 23	17 39	0 2	21 55	0 46	20 4	0 59	16 27	0 54	9 26	0 35	16 38	1 48	8 6	12 13	23 5	23 12	0 26	14 47	2 29	S 24
M25	13 2	15 35	3 39	13 0	0 13	18 1	0n 1	22 3	0 46	20 3	0 59	16 26	0 54	9 25	0 35	16 38	1 48	8 6	12 13	23 5	23 11	0 23	14 48	2 29	M25
T 26	13 22	11 44	4 20	13 53	0 3	18 22	0 3	22 10	0 47	20 2	0 59	16 25	0 54	9 25	0 35	16 37	1 48	8 7	12 13	23 5	23 11	0 20	14 49	2 29	T 26
W27	13 41	7 27	4 49	14 45	0n 8	18 44	0 6	22 17	0 47	20 1	0 59	16 24	0 54	9 24	0 35	16 37	1 48	8 7	12 13	23 5	23 11	0 18	14 51	2 29	W27
T 28	14 0	2 56	5 5	15 36	0 19	19 4	0 9	22 24	0 47	20 0	0 59	16 24	0 54	9 23	0 35	16 37	1 48	8 7	12 12	23 4	23 11	0 15	14 52	2 29	T 28
F 29	14 19	1n41	5 9	16 26	0 29	19 25	0 11	22 31	0 48	19 59	0 59	16 23	0 55	9 22	0 35	16 36	1 49	8 8	12 12	23 4	23 10	0 13	14 53	2 29	F 29
S 30	14n38	6n16	4n59	17n14	0n40	19n44	0n14	22n38	0n48	19s58	0n59	16s22	0s55	9s21	0n35	16s36	1n49	8n 8	12s12	23s 3	23s10	0s10	14n54	2s29	S 30

Julian Day Number = 2319782.5, Delta T = 50.93 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'18, Lahiri = 18°49'19Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1639
geocentric

MAY 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 34 43	10♉17'53	16♈20	17♉54	28♉12	9♊40	3°R32	17♒56	25°R30	22°R 8	29♉28	19°R11	20♐48	17♓45	18♉16	S 1
M 2	14 38 39	11°15'57	28°30	20° 1	29°25	10°20	3♐26	17°59	25♎28	22♏ 7	29°29	19♐ 4	20°45	17°52	18°21	M 2
T 3	14 42 36	12°14'00	10♉51	22° 7	0♊38	11° 0	3°19	18° 1	25°25	22° 5	29°30	18°58	20°42	17°58	18°25	T 3
W 4	14 46 32	13°12'01	23°22	24°11	1°52	11°40	3°13	18° 4	25°23	22° 3	29°32	18°54	20°39	18° 5	18°30	W 4
T 5	14 50 29	14°10'01	6♊ 5	26°13	3° 5	12°20	3° 6	18° 6	25°20	22° 2	29°33	18°52	20°36	18°12	18°34	T 5
F 6	14 54 26	15° 7'58	18°59	28°12	4°19	13° 0	2°59	18° 8	25°18	22° 0	29°34	18°D51	20°33	18°18	18°38	F 6
S 7	14 58 22	16° 5'55	2♋ 6	0♊10	5°32	13°40	2°52	18°10	25°16	21°59	29°36	18°52	20°29	18°25	18°43	S 7
S 8	15 2 19	17° 3'49	15°27	2° 4	6°45	14°20	2°45	18°13	25°13	21°57	29°37	18°53	20°26	18°32	18°47	S 8
M 9	15 6 15	18° 1'42	29° 2	3°56	7°59	15° 0	2°38	18°15	25°11	21°55	29°38	18°54	20°23	18°39	18°52	M 9
T 10	15 10 12	18°59'32	12♌52	5°45	9°12	15°40	2°31	18°17	25° 9	21°54	29°40	18°R55	20°20	18°45	18°56	T 10
W11	15 14 8	19°57'21	26°56	7°32	10°25	16°19	2°23	18°18	25° 7	21°52	29°41	18°55	20°17	18°52	19° 0	W11
T 12	15 18 5	20°55'08	11♍14	9°15	11°38	16°59	2°16	18°20	25° 4	21°51	29°42	18°54	20°14	18°59	19° 5	T 12
F 13	15 22 1	21°52'54	25°42	10°54	12°52	17°39	2° 9	18°22	25° 2	21°49	29°44	18°52	20°10	19° 6	19° 9	F 13
S 14	15 25 58	22°50'37	10♎18	12°31	14° 5	18°19	2° 1	18°23	25° 0	21°47	29°45	18°48	20° 7	19°12	19°14	S 14
S 15	15 29 55	23°48'20	24°54	14° 4	15°18	18°59	1°54	18°25	24°58	21°46	29°46	18°45	20° 4	19°19	19°18	S 15
M16	15 33 51	24°46'00	9♏25	15°34	16°31	19°38	1°46	18°26	24°56	21°44	29°48	18°42	20° 1	19°26	19°22	M16
T 17	15 37 48	25°43'40	23°44	17° 1	17°44	20°18	1°39	18°27	24°54	21°42	29°49	18°39	19°58	19°32	19°27	T 17
W18	15 41 44	26°41'18	7♐46	18°24	18°57	20°58	1°31	18°28	24°52	21°41	29°50	18°38	19°54	19°39	19°31	W18
T 19	15 45 41	27°38'55	21°28	19°43	20°10	21°37	1°24	18°29	24°50	21°39	29°52	18°D38	19°51	19°46	19°35	T 19
F 20	15 49 37	28°36'30	4♑47	20°59	21°23	22°17	1°16	18°30	24°48	21°38	29°53	18°38	19°48	19°53	19°40	F 20
S 21	15 53 34	29°34'05	17°44	22°12	22°36	22°56	1° 8	18°31	24°46	21°36	29°54	18°39	19°45	19°59	19°44	S 21
S 22	15 57 30	0♊31'39	0♒21	23°21	23°49	23°36	1° 1	18°32	24°44	21°34	29°56	18°41	19°42	20° 6	19°49	S 22
M23	16 1 27	1°29'11	12°40	24°26	25° 2	24°15	0°53	18°33	24°42	21°33	29°57	18°42	19°39	20°13	19°53	M23
T 24	16 5 24	2°26'43	24°47	25°27	26°15	24°55	0°45	18°33	24°40	21°31	29°59	18°43	19°35	20°20	19°57	T 24
W25	16 9 20	3°24'14	6♓44	26°25	27°27	25°34	0°38	18°34	24°38	21°30	29°59	18°R43	19°32	20°26	20° 2	W25
T 26	16 13 17	4°21'44	18°37	27°18	28°40	26°14	0°30	18°34	24°36	21°28	0♊ 1	18°43	19°29	20°33	20° 6	T 26
F 27	16 17 13	5°19'14	0♈31	28° 8	29°53	26°53	0°23	18°34	24°35	21°26	0° 3	18°41	19°26	20°40	20°10	F 27
S 28	16 21 10	6°16'42	12°29	28°54	1♋ 6	27°32	0°15	18°35	24°33	21°25	0° 4	18°40	19°23	20°46	20°14	S 28
S 29	16 25 6	7°14'10	24°36	29°35	2°19	28°12	0° 7	18°R35	24°31	21°23	0° 5	18°38	19°20	20°53	20°19	S 29
M30	16 29 3	8°11'37	6♉54	0♋12	3°31	28°51	29♏59	18°35	24°30	21°22	0° 7	18°37	19°16	21° 0	20°23	M30
T 31	16 32 59	9♊ 9'03	19♉26	0♋45	4♋44	29♊30	29♏52	18♒35	24♎28	21♏20	0♊ 8	18♐36	19♐13	21♓ 7	20♉27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n56	10n40	4n35	18n 0	0n50	20n 4	0n16	22n45	0n49	19s57	0n59	16s21	0s55	9s20	0n35	16s35	1n49	8n 9	12s12	23s 3	23s10	0s 7	14n55	2s29
M 2	15 14	14 41	3 59	18 45	1 0	20 22	0 19	22 51	0 49	19 55	0 59	16 21	0 55	9 19	0 35	16 35	1 49	8 9	12 12	23 2	23 10	0 5	14 56	2 29
T 3	15 32	18 9	3 12	19 28	1 10	20 40	0 21	22 57	0 49	19 54	0 59	16 20	0 55	9 18	0 35	16 35	1 49	8 9	12 12	23 2	23 10	0 2	14 57	2 29
W 4	15 50	20 49	2 14	20 8	1 19	20 58	0 24	23 3	0 50	19 53	0 59	16 20	0 55	9 18	0 35	16 34	1 49	8 10	12 12	23 1	23 9	0n 1	14 58	2 29
T 5	16 7	22 30	1 9	20 46	1 28	21 15	0 26	23 9	0 50	19 52	0 58	16 19	0 56	9 17	0 35	16 34	1 49	8 10	12 12	23 1	23 9	0 3	15 0	2 29
F 6	16 24	23 1	0s 1	21 22	1 36	21 31	0 29	23 14	0 50	19 50	0 58	16 18	0 56	9 16	0 35	16 33	1 49	8 10	12 12	23 1	23 9	0 6	15 1	2 29
S 7	16 41	22 16	1 12	21 55	1 44	21 47	0 32	23 20	0 51	19 49	0 58	16 18	0 56	9 15	0 35	16 33	1 49	8 11	12 11	23 1	23 9	0 9	15 2	2 29
S 8	16 58	20 16	2 20	22 26	1 51	22 2	0 34	23 25	0 51	19 48	0 58	16 17	0 56	9 14	0 35	16 32	1 49	8 11	12 11	23 1	23 8	0 11	15 3	2 29
M 9	17 14	17 6	3 22	22 54	1 58	22 17	0 37	23 30	0 52	19 46	0 58	16 17	0 56	9 13	0 35	16 32	1 49	8 12	12 11	23 1	23 8	0 14	15 4	2 30
T 10	17 30	12 56	4 13	23 20	2 3	22 31	0 39	23 34	0 52	19 45	0 58	16 17	0 56	9 13	0 35	16 32	1 49	8 12	12 11	23 1	23 8	0 17	15 5	2 30
W11	17 46	8 0	4 51	23 43	2 8	22 44	0 41	23 39	0 52	19 44	0 58	16 16	0 57	9 12	0 35	16 31	1 49	8 12	12 11	23 1	23 8	0 19	15 6	2 30
T 12	18 1	2 35	5 10	24 4	2 12	22 57	0 44	23 43	0 53	19 42	0 58	16 16	0 57	9 11	0 35	16 31	1 49	8 13	12 11	23 1	23 7	0 22	15 7	2 30
F 13	18 16	3s 3	5 11	24 22	2 16	23 9	0 46	23 47	0 53	19 41	0 58	16 15	0 57	9 10	0 35	16 30	1 49	8 13	12 11	23 1	23 7	0 25	15 8	2 30
S 14	18 31	8 33	4 52	24 37	2 18	23 20	0 49	23 51	0 53	19 40	0 58	16 15	0 57	9 9	0 35	16 30	1 49	8 13	12 11	23 1	23 7	0 27	15 10	2 30
S 15	18 46	13 35	4 13	24 51	2 20	23 31	0 51	23 55	0 54	19 38	0 58	16 15	0 57	9 9	0 35	16 30	1 49	8 14	12 11	23 0	23 7	0 30	15 11	2 30
M16	19 0	17 48	3 19	25 2	2 21	23 41	0 53	23 59	0 54	19 37	0 58	16 15	0 57	9 8	0 35	16 29	1 49	8 14	12 11	23 0	23 7	0 32	15 12	2 30
T 17	19 14	20 53	2 13	25 11	2 21	23 51	0 56	24 2	0 54	19 35	0 58	16 14	0 58	9 7	0 35	16 29	1 49	8 14	12 11	23 0	23 6	0 35	15 13	2 30
W18	19 27	22 37	0 59	25 18	2 20	23 59	0 58	24 5	0 55	19 34	0 58	16 14	0 58	9 6	0 35	16 28	1 49	8 15	12 11	23 0	23 6	0 38	15 14	2 30
T 19	19 40	22 57	0n16	25 23	2 18	24 7	1 0	24 8	0 55	19 32	0 58	16 14	0 58	9 6	0 35	16 28	1 49	8 15	12 11	23 0	23 6	0 40	15 15	2 31
F 20	19 53	21 56	1 28	25 26	2 16	24 15	1 3	24 11	0 55	19 31	0 58	16 14	0 58	9 5	0 35	16 28	1 49	8 15	12 11	23 0	23 6	0 43	15 16	2 31
S 21	20 6	19 46	2 34	25 27	2 12	24 21	1 5	24 13	0 56	19 29	0 57	16 14	0 58	9 4	0 35	16 27	1 49	8 15	12 11	23 0	23 5	0 46	15 17	2 31
S 22	20 18	16 42	3 30	25 27	2 8	24 27	1 7	24 16	0 56	19 28	0 57	16 14	0 58	9 4	0 35	16 27	1 49	8 16	12 10	23 0	23 5	0 48	15 18	2 31
M23	20 30	12 57	4 16	25 25	2 3	24 33	1 9	24 18	0 56	19 27	0 57	16 14	0 59	9 3	0 35	16 26	1 49	8 16	12 10	23 0	23 5	0 51	15 19	2 31
T 24	20 41	8 45	4 49	25 21	1 57	24 37	1 11	24 20	0 56	19 25	0 57	16 14	0 59	9 2	0 35	16 26	1 48	8 16	12 10	23 0	23 5	0 53	15 20	2 31
W25	20 53	4 16	5 9	25 16	1 50	24 41	1 13	24 21	0 57	19 24	0 57	16 14	0 59	9 2	0 35	16 26	1 48	8 17	12 10	23 0	23 4	0 56	15 21	2 31
T 26	21 3	0n20	5 16	25 10	1 42	24 44	1 15	24 23	0 57	19 22	0 57	16 14	0 59	9 1	0 35	16 25	1 48	8 17	12 10	23 0	23 4	0 59	15 22	2 31
F 27	21 14	4 56	5 9	25 2	1 34	24 46	1 17	24 24	0 57	19 21	0 57	16 14	0 59	9 0	0 34	16 25	1 48	8 17	12 10	23 0	23 4	1 1	15 23	2 31
S 28	21 24	9 23	4 49	24 53	1 24	24 48	1 19	24 25	0 58	19 19	0 57	16 14	1 0	9 0	0 34	16 24	1 48	8 17	12 10	23 0	23 4	1 4	15 24	2 32
S 29	21 34	13 31	4 16	24 43	1 14	24 49	1 21	24 26	0 58	19 18	0 56	16 14	1 0	8 59	0 34	16 24	1 48	8 18	12 10	23 0	23 3	1 7	15 25	2 32
M30	21 43	17 9	3 31	24 32	1 3	24 49	1 23	24 27	0 58	19 16	0 56	16 14	1 0	8 59	0 34	16 24	1 48	8 18	12 10	23 0	23 3	1 9	15 26	2 32
T 31	21n52	20n 6	2n34	24n20	0n51	24n48	1n24	24n27	0n58	19s15	0n56	16s14	1s 0	8s58	0n34	16s23	1n48	8n18	12s10	23s 0	23s 3	1n12	15n27	2s32

Julian Day Number = 2319812.5, Delta T = 50.87 sec
Ecliptic obliquity = 23°29'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'22, Lahiri = 18°49'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

JUNE 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 36 56	10♊ 6'28	2♊12	1♋14	5♋56	0♋10	29°R45	18°R34	24°R27	21°R19	0♊ 9	18°R35	19♐10	21♓13	20♉31	W 1
T 2	16 40 53	11° 3'53	15°14	1°38	7° 9	0°49	29♏38	18♒34	24♎25	21♏17	0°11	18°D34	19° 7	21°20	20°36	T 2
F 3	16 44 49	12° 1'17	28°31	1°58	8°22	1°28	29°30	18°34	24°24	21°16	0°12	18♐35	19° 4	21°27	20°40	F 3
S 4	16 48 46	12°58'40	12♋ 3	2°13	9°34	2° 7	29°23	18°33	24°22	21°14	0°13	18°35	19° 0	21°33	20°44	S 4
S 5	16 52 42	13°56'02	25°47	2°23	10°47	2°47	29°16	18°33	24°21	21°13	0°15	18°35	18°57	21°40	20°48	S 5
M 6	16 56 39	14°53'23	9♌42	2°29	11°59	3°26	29° 9	18°32	24°19	21°11	0°16	18°36	18°54	21°47	20°52	M 6
T 7	17 0 35	15°50'42	23°45	2°R31	13°11	4° 5	29° 2	18°31	24°18	21°10	0°17	18°36	18°51	21°54	20°56	T 7
W 8	17 4 32	16°48'01	7♍55	2°27	14°24	4°44	28°55	18°30	24°17	21° 8	0°19	18°36	18°48	22° 0	21° 1	W 8
T 9	17 8 28	17°45'19	22° 9	2°20	15°36	5°23	28°48	18°29	24°16	21° 7	0°20	18°R36	18°45	22° 7	21° 5	T 9
F 10	17 12 25	18°42'36	6♎25	2° 8	16°49	6° 2	28°41	18°28	24°15	21° 6	0°21	18°D36	18°41	22°14	21° 9	F 10
S 11	17 16 22	19°39'52	20°39	1°52	18° 1	6°41	28°34	18°27	24°14	21° 4	0°23	18°36	18°38	22°21	21°13	S 11
S 12	17 20 18	20°37'07	4♏49	1°33	19°13	7°20	28°27	18°26	24°12	21° 3	0°24	18°36	18°35	22°27	21°17	S 12
M13	17 24 15	21°34'22	18°52	1° 9	20°25	7°59	28°21	18°24	24°11	21° 1	0°25	18°37	18°32	22°34	21°21	M13
T 14	17 28 11	22°31'36	2♐44	0°43	21°37	8°38	28°14	18°23	24°11	21° 0	0°26	18°37	18°29	22°41	21°25	T 14
W15	17 32 8	23°28'49	16°23	0°14	22°49	9°17	28° 8	18°21	24°10	20°59	0°28	18°R37	18°26	22°47	21°29	W15
T 16	17 36 4	24°26'02	29°47	29♊43	24° 1	9°56	28° 2	18°20	24° 9	20°58	0°29	18°37	18°22	22°54	21°32	T 16
F 17	17 40 1	25°23'14	12♑53	29°10	25°13	10°35	27°56	18°18	24° 8	20°56	0°30	18°36	18°19	23° 1	21°36	F 17
S 18	17 43 58	26°20'26	25°43	28°35	26°25	11°14	27°50	18°16	24° 7	20°55	0°32	18°36	18°16	23° 8	21°40	S 18
S 19	17 47 54	27°17'38	8♒16	28° 0	27°37	11°53	27°44	18°14	24° 6	20°54	0°33	18°35	18°13	23°14	21°44	S 19
M20	17 51 51	28°14'50	20°35	27°25	28°49	12°32	27°38	18°12	24° 6	20°53	0°34	18°33	18°10	23°21	21°48	M20
T 21	17 55 47	29°12'01	2♓41	26°51	0♌ 1	13°10	27°33	18°10	24° 5	20°51	0°35	18°32	18° 6	23°28	21°51	T 21
W22	17 59 44	0♋ 9'13	14°40	26°18	1°13	13°49	27°27	18° 8	24° 5	20°50	0°36	18°31	18° 3	23°35	21°55	W22
T 23	18 3 40	1° 6'24	26°34	25°46	2°25	14°28	27°22	18° 6	24° 4	20°49	0°38	18°D31	18° 0	23°41	21°59	T 23
F 24	18 7 37	2° 3'36	8♈28	25°17	3°36	15° 7	27°17	18° 3	24° 4	20°48	0°39	18°31	17°57	23°48	22° 3	F 24
S 25	18 11 33	3° 0'48	20°26	24°50	4°48	15°45	27°12	18° 1	24° 3	20°47	0°40	18°31	17°54	23°55	22° 6	S 25
S 26	18 15 30	3°58'00	2♉35	24°27	6° 0	16°24	27° 7	17°58	24° 3	20°46	0°41	18°33	17°51	24° 1	22°10	S 26
M27	18 19 27	4°55'12	14°56	24° 7	7°11	17° 3	27° 2	17°56	24° 3	20°45	0°42	18°34	17°47	24° 8	22°13	M27
T 28	18 23 23	5°52'24	27°35	23°52	8°23	17°42	26°58	17°53	24° 2	20°44	0°44	18°35	17°44	24°15	22°17	T 28
W29	18 27 20	6°49'36	10♊32	23°41	9°34	18°20	26°53	17°50	24° 2	20°43	0°45	18°36	17°41	24°22	22°20	W29
T 30	18 31 16	7♋46'49	23♊51	23♊34	10♌46	18♋59	26♏49	17♒48	24♎ 2	20♏42	0♊46	18°R36	17♐38	24♓28	22♉24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n 0	22n 6	1n29	24n 7	0n38	24n47	1n26	24n28	0n59	19s13	0n56	16s15	1s 0	8s58	0n34	16s23	1n48	8n19	12s10	23s 0	23s 3	1n14	15n28	2s32
T 2	22 9	22 58	0 18	23 54	0 25	24 45	1 28	24 28	0 59	19 12	0 56	16 15	1 0	8 57	0 34	16 22	1 48	8 19	12 10	23 0	23 2	1 17	15 29	2 32
F 3	22 17	22 34	0s55	23 39	0 11	24 42	1 29	24 28	0 59	19 11	0 56	16 15	1 1	8 57	0 34	16 22	1 48	8 19	12 10	23 0	23 2	1 20	15 30	2 32
S 4	22 24	20 50	2 6	23 25	0s 3	24 39	1 31	24 28	0 59	19 9	0 56	16 15	1 1	8 56	0 34	16 22	1 48	8 19	12 10	23 0	23 2	1 22	15 31	2 33
S 5	22 31	17 53	3 12	23 9	0 19	24 35	1 32	24 27	1 0	19 8	0 55	16 16	1 1	8 56	0 34	16 21	1 48	8 20	12 10	23 0	23 2	1 25	15 32	2 33
M 6	22 38	13 53	4 7	22 53	0 34	24 30	1 34	24 26	1 0	19 6	0 55	16 16	1 1	8 55	0 34	16 21	1 48	8 20	12 10	23 0	23 1	1 27	15 33	2 33
T 7	22 44	9 6	4 48	22 37	0 50	24 24	1 35	24 26	1 0	19 5	0 55	16 17	1 1	8 55	0 34	16 21	1 48	8 20	12 10	23 0	23 1	1 30	15 34	2 33
W 8	22 50	3 48	5 11	22 21	1 7	24 18	1 36	24 24	1 0	19 4	0 55	16 17	1 1	8 54	0 34	16 20	1 48	8 20	12 11	23 0	23 1	1 33	15 35	2 33
T 9	22 55	1s44	5 16	22 4	1 24	24 11	1 38	24 23	1 1	19 2	0 55	16 18	1 2	8 54	0 34	16 20	1 48	8 20	12 11	23 0	23 0	1 35	15 36	2 33
F 10	23 0	7 10	5 2	21 48	1 41	24 4	1 39	24 22	1 1	19 1	0 55	16 18	1 2	8 53	0 34	16 20	1 48	8 21	12 11	23 0	23 0	1 38	15 37	2 34
S 11	23 5	12 14	4 29	21 31	1 57	23 55	1 40	24 20	1 1	19 0	0 54	16 19	1 2	8 53	0 34	16 19	1 48	8 21	12 11	23 0	23 0	1 40	15 37	2 34
S 12	23 9	16 36	3 40	21 14	2 14	23 46	1 41	24 18	1 1	18 58	0 54	16 19	1 2	8 53	0 34	16 19	1 48	8 21	12 11	23 0	23 0	1 43	15 38	2 34
M13	23 13	19 59	2 38	20 58	2 31	23 36	1 42	24 16	1 2	18 57	0 54	16 20	1 2	8 52	0 34	16 19	1 48	8 21	12 11	23 0	22 59	1 46	15 39	2 34
T 14	23 16	22 10	1 27	20 42	2 47	23 26	1 43	24 14	1 2	18 56	0 54	16 20	1 2	8 52	0 34	16 18	1 48	8 21	12 11	23 0	22 59	1 48	15 40	2 34
W15	23 19	23 0	0 12	20 27	3 2	23 15	1 43	24 11	1 2	18 55	0 54	16 21	1 3	8 52	0 34	16 18	1 48	8 22	12 11	23 0	22 59	1 51	15 41	2 34
T 16	23 22	22 28	1n 1	20 12	3 17	23 3	1 44	24 9	1 2	18 53	0 54	16 22	1 3	8 51	0 34	16 18	1 48	8 22	12 11	23 0	22 59	1 53	15 42	2 35
F 17	23 24	20 42	2 10	19 58	3 31	22 51	1 45	24 6	1 2	18 52	0 53	16 22	1 3	8 51	0 34	16 17	1 48	8 22	12 11	23 0	22 58	1 56	15 43	2 35
S 18	23 26	17 54	3 11	19 45	3 44	22 38	1 45	24 3	1 3	18 51	0 53	16 23	1 3	8 51	0 34	16 17	1 48	8 22	12 11	23 0	22 58	1 58	15 43	2 35
S 19	23 27	14 21	4 1	19 33	3 56	22 24	1 46	24 0	1 3	18 50	0 53	16 24	1 3	8 51	0 34	16 17	1 48	8 22	12 11	23 0	22 58	2 1	15 44	2 35
M20	23 28	10 14	4 39	19 21	4 6	22 10	1 46	23 56	1 3	18 49	0 53	16 25	1 3	8 50	0 34	16 17	1 48	8 22	12 11	22 59	22 57	2 4	15 45	2 35
T 21	23 29	5 48	5 4	19 11	4 15	21 55	1 47	23 53	1 3	18 48	0 53	16 25	1 4	8 50	0 34	16 16	1 48	8 23	12 11	22 59	22 57	2 6	15 46	2 35
W22	23 29	1 12	5 15	19 3	4 23	21 40	1 47	23 49	1 3	18 47	0 52	16 26	1 4	8 50	0 34	16 16	1 48	8 23	12 11	22 59	22 57	2 9	15 47	2 36
T 23	23 29	3n25	5 13	18 56	4 30	21 24	1 47	23 45	1 4	18 46	0 52	16 27	1 4	8 50	0 34	16 16	1 48	8 23	12 11	22 59	22 57	2 11	15 47	2 36
F 24	23 28	7 55	4 57	18 50	4 34	21 7	1 47	23 41	1 4	18 45	0 52	16 28	1 4	8 50	0 34	16 15	1 48	8 23	12 12	22 59	22 56	2 14	15 48	2 36
S 25	23 27	12 8	4 29	18 45	4 38	20 50	1 47	23 37	1 4	18 44	0 52	16 29	1 4	8 50	0 34	16 15	1 48	8 23	12 12	22 59	22 56	2 17	15 49	2 36
S 26	23 26	15 57	3 48	18 43	4 40	20 33	1 47	23 32	1 4	18 43	0 52	16 30	1 4	8 50	0 33	16 15	1 48	8 23	12 12	22 59	22 56	2 19	15 49	2 36
M27	23 24	19 8	2 55	18 42	4 40	20 14	1 47	23 28	1 4	18 42	0 51	16 31	1 5	8 50	0 33	16 15	1 47	8 23	12 12	23 0	22 55	2 22	15 50	2 37
T 28	23 21	21 30	1 53	18 42	4 39	19 56	1 47	23 23	1 4	18 41	0 51	16 32	1 5	8 49	0 33	16 15	1 47	8 24	12 12	23 0	22 55	2 24	15 51	2 37
W29	23 19	22 48	0 44	18 44	4 36	19 36	1 47	23 18	1 5	18 40	0 51	16 33	1 5	8 49	0 33	16 14	1 47	8 24	12 12	23 0	22 55	2 27	15 52	2 37
T 30	23n15	22n52	0s29	18n48	4s32	19n16	1n46	23n12	1n 5	18s40	0n51	16s34	1s 5	8s49	0n33	16s14	1n47	8n24	12s12	23s 0	22s55	2n29	15n52	2s37

Julian Day Number = 2319843.5, Delta T = 50.81 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'27, Lahiri = 18°49'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

JULY 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 35 13	8♋44'02	7♋30	23°D32	11♌57	19♋38	26°R45	17°R45	24°R 2	20°R41	0♊47	18°R35	17♐35	24♓35	22♉27	F 1
S 2	18 39 9	9°41'14	21°27	23♊35	13° 9	20°16	26♏41	17♒42	24°D 2	20♏40	0°48	18♐33	17°32	24°42	22°30	S 2
S 3	18 43 6	10°38'27	5♌39	23°43	14°20	20°55	26°37	17°39	24♎ 2	20°39	0°49	18°31	17°28	24°48	22°34	S 3
M 4	18 47 2	11°35'40	20° 0	23°57	15°31	21°34	26°33	17°36	24° 2	20°38	0°50	18°28	17°25	24°55	22°37	M 4
T 5	18 50 59	12°32'53	4♍27	24°15	16°42	22°12	26°30	17°32	24° 2	20°37	0°51	18°25	17°22	25° 2	22°40	T 5
W 6	18 54 56	13°30'05	18°52	24°39	17°54	22°51	26°27	17°29	24° 2	20°36	0°52	18°22	17°19	25° 9	22°43	W 6
T 7	18 58 52	14°27'18	3♎13	25° 8	19° 5	23°29	26°24	17°26	24° 2	20°35	0°53	18°21	17°16	25°15	22°47	T 7
F 8	19 2 49	15°24'30	17°26	25°42	20°16	24° 8	26°21	17°22	24° 3	20°35	0°54	18°D20	17°12	25°22	22°50	F 8
S 9	19 6 45	16°21'42	1♏28	26°21	21°27	24°47	26°18	17°19	24° 3	20°34	0°55	18°21	17° 9	25°29	22°53	S 9
S 10	19 10 42	17°18'55	15°19	27° 6	22°38	25°25	26°15	17°15	24° 3	20°33	0°56	18°22	17° 6	25°36	22°56	S 10
M11	19 14 38	18°16'08	28°58	27°55	23°48	26° 4	26°13	17°12	24° 4	20°32	0°57	18°24	17° 3	25°42	22°59	M11
T 12	19 18 35	19°13'21	12♐24	28°50	24°59	26°42	26°11	17° 8	24° 4	20°32	0°58	18°R25	17° 0	25°49	23° 2	T 12
W13	19 22 31	20°10'34	25°38	29°49	26°10	27°21	26° 9	17° 4	24° 5	20°31	0°59	18°25	16°57	25°56	23° 5	W13
T 14	19 26 28	21° 7'47	8♑40	0♋54	27°21	27°59	26° 7	17° 1	24° 5	20°31	1° 0	18°23	16°53	26° 2	23° 7	T 14
F 15	19 30 25	22° 5'01	21°29	2° 3	28°31	28°37	26° 5	16°57	24° 6	20°30	1° 1	18°20	16°50	26° 9	23°10	F 15
S 16	19 34 21	23° 2'15	4♒ 5	3°17	29°42	29°16	26° 3	16°53	24° 7	20°29	1° 2	18°15	16°47	26°16	23°13	S 16
S 17	19 38 18	23°59'30	16°29	4°36	0♍52	29°54	26° 2	16°49	24° 7	20°29	1° 3	18° 9	16°44	26°23	23°16	S 17
M18	19 42 14	24°56'46	28°42	5°59	2° 2	0♌33	26° 1	16°45	24° 8	20°28	1° 4	18° 3	16°41	26°29	23°18	M18
T 19	19 46 11	25°54'02	10♓46	7°27	3°13	1°11	26° 0	16°41	24° 9	20°28	1° 5	17°57	16°37	26°36	23°21	T 19
W20	19 50 7	26°51'19	22°43	8°59	4°23	1°50	25°59	16°37	24°10	20°28	1° 6	17°51	16°34	26°43	23°23	W20
T 21	19 54 4	27°48'37	4♈35	10°35	5°33	2°28	25°59	16°33	24°11	20°27	1° 6	17°47	16°31	26°49	23°26	T 21
F 22	19 58 0	28°45'56	16°28	12°15	6°43	3° 6	25°58	16°29	24°12	20°27	1° 7	17°45	16°28	26°56	23°28	F 22
S 23	20 1 57	29°43'16	28°25	13°59	7°53	3°45	25°58	16°25	24°13	20°26	1° 8	17°D44	16°25	27° 3	23°31	S 23
S 24	20 5 54	0♌40'37	10♉32	15°47	9° 3	4°23	25°D58	16°21	24°14	20°26	1° 9	17°44	16°22	27°10	23°33	S 24
M25	20 9 50	1°37'59	22°52	17°37	10°13	5° 1	25°58	16°16	24°15	20°26	1°10	17°45	16°18	27°16	23°35	M25
T 26	20 13 47	2°35'22	5♊32	19°30	11°23	5°40	25°58	16°12	24°16	20°26	1°10	17°47	16°15	27°23	23°38	T 26
W27	20 17 43	3°32'47	18°34	21°26	12°33	6°18	25°59	16° 8	24°18	20°25	1°11	17°R47	16°12	27°30	23°40	W27
T 28	20 21 40	4°30'12	2♋ 1	23°25	13°42	6°56	26° 0	16° 3	24°19	20°25	1°12	17°46	16° 9	27°37	23°42	T 28
F 29	20 25 36	5°27'39	15°54	25°25	14°52	7°35	26° 0	15°59	24°20	20°25	1°12	17°43	16° 6	27°43	23°44	F 29
S 30	20 29 33	6°25'07	0♌11	27°26	16° 2	8°13	26° 1	15°55	24°22	20°25	1°13	17°38	16° 3	27°50	23°46	S 30
S 31	20 33 29	7♌22'35	14♌47	29♋29	17♍11	8♌51	26♏ 3	15♒50	24♎23	20♏25	1♊14	17♐32	15♐59	27♓57	23♉48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n12	21n34	1s42	18n53	4s27	18n56	1n46	23n 7	1n 5	18s39	0n50	16s35	1s 5	8s49	0n33	16s14	1n47	8n24	12s12	23s 0	22s54	2n32	15n53	2s37
S 2	23 8	18 57	2 51	18 59	4 21	18 35	1 45	23 2	1 5	18 38	0 50	16 36	1 5	8 49	0 33	16 14	1 47	8 24	12 12	22 59	22 54	2 34	15 53	2 38
S 3	23 3	15 10	3 50	19 7	4 14	18 14	1 45	22 56	1 5	18 38	0 50	16 37	1 6	8 49	0 33	16 14	1 47	8 24	12 13	22 59	22 54	2 37	15 54	2 38
M 4	22 59	10 28	4 36	19 16	4 6	17 52	1 44	22 50	1 5	18 37	0 50	16 38	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 59	22 53	2 40	15 55	2 38
T 5	22 54	5 10	5 4	19 26	3 56	17 30	1 43	22 44	1 6	18 36	0 49	16 39	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 59	22 53	2 42	15 55	2 38
W 6	22 48	0s24	5 14	19 37	3 46	17 7	1 42	22 38	1 6	18 36	0 49	16 40	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 59	22 53	2 45	15 56	2 39
T 7	22 42	5 55	5 3	19 48	3 35	16 44	1 41	22 31	1 6	18 35	0 49	16 41	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 58	22 52	2 47	15 56	2 39
F 8	22 36	11 5	4 34	20 1	3 24	16 21	1 40	22 25	1 6	18 35	0 49	16 43	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 58	22 52	2 50	15 57	2 39
S 9	22 29	15 35	3 49	20 14	3 12	15 57	1 39	22 18	1 6	18 34	0 49	16 44	1 6	8 50	0 33	16 13	1 47	8 24	12 13	22 58	22 52	2 52	15 58	2 39
S 10	22 22	19 11	2 51	20 28	2 59	15 32	1 38	22 11	1 6	18 34	0 48	16 45	1 7	8 50	0 33	16 12	1 47	8 24	12 14	22 59	22 52	2 55	15 58	2 39
M11	22 14	21 40	1 44	20 42	2 46	15 8	1 36	22 4	1 6	18 34	0 48	16 46	1 7	8 50	0 33	16 12	1 47	8 24	12 14	22 59	22 51	2 57	15 59	2 40
T 12	22 6	22 52	0 33	20 56	2 33	14 43	1 35	21 57	1 7	18 33	0 48	16 47	1 7	8 51	0 33	16 12	1 47	8 25	12 14	22 59	22 51	3 0	15 59	2 40
W13	21 58	22 45	0n39	21 10	2 19	14 17	1 34	21 49	1 7	18 33	0 48	16 49	1 7	8 51	0 33	16 12	1 47	8 25	12 14	22 59	22 51	3 3	16 0	2 40
T 14	21 49	21 24	1 48	21 23	2 6	13 51	1 32	21 42	1 7	18 33	0 47	16 50	1 7	8 51	0 33	16 12	1 47	8 25	12 14	22 59	22 50	3 5	16 0	2 40
F 15	21 40	18 58	2 50	21 37	1 52	13 25	1 30	21 34	1 7	18 33	0 47	16 51	1 7	8 51	0 33	16 12	1 47	8 25	12 14	22 58	22 50	3 8	16 1	2 41
S 16	21 31	15 39	3 43	21 49	1 37	12 59	1 28	21 26	1 7	18 33	0 47	16 53	1 7	8 52	0 33	16 12	1 46	8 25	12 15	22 58	22 50	3 10	16 1	2 41
S 17	21 21	11 43	4 24	22 1	1 23	12 32	1 27	21 18	1 7	18 33	0 47	16 54	1 8	8 52	0 33	16 12	1 46	8 25	12 15	22 57	22 49	3 13	16 1	2 41
M18	21 11	7 22	4 53	22 12	1 9	12 5	1 25	21 10	1 7	18 33	0 46	16 55	1 8	8 52	0 33	16 12	1 46	8 25	12 15	22 57	22 49	3 15	16 2	2 41
T 19	21 0	2 48	5 7	22 21	0 55	11 38	1 23	21 2	1 7	18 33	0 46	16 57	1 8	8 53	0 33	16 11	1 46	8 25	12 15	22 56	22 49	3 18	16 2	2 42
W20	20 50	1n50	5 9	22 29	0 42	11 10	1 20	20 53	1 7	18 33	0 46	16 58	1 8	8 53	0 33	16 11	1 46	8 25	12 15	22 56	22 48	3 20	16 3	2 42
T 21	20 38	6 22	4 57	22 36	0 28	10 42	1 18	20 45	1 8	18 33	0 46	16 59	1 8	8 53	0 33	16 11	1 46	8 25	12 15	22 55	22 48	3 23	16 3	2 42
F 22	20 27	10 40	4 32	22 40	0 15	10 14	1 16	20 36	1 8	18 33	0 46	17 1	1 8	8 54	0 33	16 11	1 46	8 25	12 16	22 55	22 48	3 25	16 3	2 42
S 23	20 15	14 36	3 55	22 42	0 3	9 46	1 14	20 27	1 8	18 33	0 45	17 2	1 8	8 54	0 33	16 11	1 46	8 25	12 16	22 55	22 47	3 28	16 4	2 43
S 24	20 3	17 59	3 8	22 43	0n10	9 17	1 11	20 18	1 8	18 33	0 45	17 3	1 8	8 55	0 32	16 11	1 46	8 25	12 16	22 55	22 47	3 30	16 4	2 43
M25	19 50	20 38	2 11	22 40	0 21	8 48	1 9	20 9	1 8	18 34	0 45	17 5	1 9	8 55	0 32	16 11	1 46	8 24	12 16	22 55	22 47	3 33	16 4	2 43
T 26	19 37	22 21	1 6	22 36	0 32	8 19	1 6	19 59	1 8	18 34	0 45	17 6	1 9	8 56	0 32	16 11	1 46	8 24	12 16	22 55	22 46	3 35	16 5	2 43
W27	19 24	22 55	0s 4	22 29	0 43	7 50	1 3	19 50	1 8	18 34	0 44	17 8	1 9	8 56	0 32	16 11	1 46	8 24	12 17	22 55	22 46	3 38	16 5	2 44
T 28	19 10	22 12	1 16	22 19	0 52	7 21	1 0	19 40	1 8	18 35	0 44	17 9	1 9	8 57	0 32	16 11	1 46	8 24	12 17	22 55	22 46	3 40	16 5	2 44
F 29	18 56	20 8	2 26	22 6	1 1	6 51	0 57	19 31	1 8	18 35	0 44	17 10	1 9	8 57	0 32	16 11	1 46	8 24	12 17	22 55	22 45	3 43	16 5	2 44
S 30	18 42	16 46	3 28	21 51	1 9	6 22	0 54	19 21	1 8	18 35	0 44	17 12	1 9	8 58	0 32	16 11	1 46	8 24	12 17	22 55	22 45	3 45	16 6	2 44
S 31	18n28	12n19	4s18	21n33	1n17	5n52	0n51	19n11	1n 8	18s36	0n43	17s13	1s 9	8s58	0n32	16s11	1n46	8n24	12s17	22s54	22s45	3n48	16n 6	2s45

Julian Day Number = 2319873.5, Delta T = 50.75 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'31, Lahiri = 18°49'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

AUGUST 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 37 26	8♌20'05	29♌35	1♌32	18♍20	9♌30	26♏ 4	15°R46	24♎25	20°R25	1♊14	17°R24	15♐56	28♓ 3	23♉50	M 1
T 2	20 41 23	9°17'35	14♍27	3°37	19°30	10° 8	26° 6	15♒41	24°26	20°D25	1°15	17♐17	15°53	28°10	23°52	T 2
W 3	20 45 19	10°15'06	29°15	5°41	20°39	10°46	26° 7	15°37	24°28	20♏25	1°16	17°10	15°50	28°17	23°53	W 3
T 4	20 49 16	11°12'38	13♎51	7°45	21°48	11°25	26° 9	15°32	24°29	20°25	1°16	17° 5	15°47	28°24	23°55	T 4
F 5	20 53 12	12°10'11	28°11	9°49	22°57	12° 3	26°12	15°28	24°31	20°25	1°17	17° 2	15°43	28°30	23°57	F 5
S 6	20 57 9	13° 7'45	12♏12	11°52	24° 6	12°41	26°14	15°23	24°33	20°25	1°17	17°D 1	15°40	28°37	23°58	S 6
S 7	21 1 5	14° 5'19	25°54	13°55	25°14	13°19	26°16	15°19	24°35	20°25	1°18	17° 2	15°37	28°44	24° 0	S 7
M 8	21 5 2	15° 2'55	9♐18	15°57	26°23	13°58	26°19	15°14	24°36	20°25	1°18	17° 3	15°34	28°50	24° 1	M 8
T 9	21 8 58	16° 0'32	22°26	17°57	27°32	14°36	26°22	15°10	24°38	20°26	1°19	17°R 3	15°31	28°57	24° 3	T 9
W10	21 12 55	16°58'09	5♑20	19°57	28°40	15°14	26°25	15° 6	24°40	20°26	1°19	17° 1	15°28	29° 4	24° 4	W10
T 11	21 16 52	17°55'48	18° 2	21°56	29°48	15°52	26°28	15° 1	24°42	20°26	1°20	16°57	15°24	29°11	24° 5	T 11
F 12	21 20 48	18°53'28	0♒33	23°53	0♎57	16°30	26°31	14°57	24°44	20°26	1°20	16°51	15°21	29°17	24° 7	F 12
S 13	21 24 45	19°51'09	12°55	25°49	2° 5	17° 9	26°35	14°52	24°46	20°27	1°21	16°42	15°18	29°24	24° 8	S 13
S 14	21 28 41	20°48'51	25° 8	27°43	3°13	17°47	26°39	14°48	24°48	20°27	1°21	16°31	15°15	29°31	24° 9	S 14
M15	21 32 38	21°46'35	7♓13	29°37	4°20	18°25	26°43	14°43	24°50	20°27	1°21	16°19	15°12	29°38	24°10	M15
T 16	21 36 34	22°44'20	19°12	1♍28	5°28	19° 3	26°47	14°39	24°53	20°28	1°22	16° 7	15° 9	29°44	24°11	T 16
W17	21 40 31	23°42'07	1♈ 5	3°19	6°36	19°42	26°51	14°34	24°55	20°28	1°22	15°56	15° 5	29°51	24°12	W17
T 18	21 44 27	24°39'55	12°56	5° 8	7°43	20°20	26°55	14°30	24°57	20°29	1°22	15°47	15° 2	29°58	24°13	T 18
F 19	21 48 24	25°37'45	24°48	6°56	8°51	20°58	27° 0	14°26	24°59	20°29	1°23	15°40	14°59	0♈ 4	24°13	F 19
S 20	21 52 21	26°35'37	6♉43	8°42	9°58	21°36	27° 4	14°21	25° 2	20°30	1°23	15°36	14°56	0°11	24°14	S 20
S 21	21 56 17	27°33'30	18°47	10°27	11° 5	22°14	27° 9	14°17	25° 4	20°31	1°23	15°35	14°53	0°18	24°15	S 21
M22	22 0 14	28°31'26	1♊ 4	12°11	12°12	22°52	27°14	14°13	25° 7	20°31	1°23	15°D34	14°49	0°25	24°15	M22
T 23	22 4 10	29°29'23	13°40	13°54	13°19	23°31	27°19	14° 8	25° 9	20°32	1°23	15°R34	14°46	0°31	24°16	T 23
W24	22 8 7	0♍27'22	26°40	15°35	14°25	24° 9	27°25	14° 4	25°12	20°33	1°24	15°34	14°43	0°38	24°16	W24
T 25	22 12 3	1°25'23	10♋ 6	17°14	15°32	24°47	27°30	14° 0	25°14	20°33	1°24	15°32	14°40	0°45	24°17	T 25
F 26	22 16 0	2°23'26	24° 2	18°53	16°38	25°25	27°36	13°56	25°17	20°34	1°24	15°28	14°37	0°51	24°17	F 26
S 27	22 19 56	3°21'31	8♌26	20°30	17°45	26° 3	27°42	13°52	25°19	20°35	1°24	15°21	14°34	0°58	24°17	S 27
S 28	22 23 53	4°19'38	23°15	22° 6	18°51	26°42	27°48	13°48	25°22	20°36	1°24	15°11	14°30	1° 5	24°18	S 28
M29	22 27 50	5°17'46	8♍21	23°41	19°57	27°20	27°54	13°44	25°25	20°36	1°24	15° 1	14°27	1°12	24°18	M29
T 30	22 31 46	6°15'56	23°33	25°15	21° 2	27°58	28° 0	13°40	25°28	20°37	1°24	14°50	14°24	1°18	24°18	T 30
W31	22 35 43	7♍14'07	8♎42	26♍47	22♎ 8	28♌36	28♏ 6	13♒36	25♎30	20♏38	1♊24	14♐40	14♐21	1♈25	24°R18	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n13	7n 5	4s52	21n12	1n23	5n22	0n48	19n 1	1n 8	18s37	0n43	17s15	1s 9	8s59	0n32	16s11	1n46	8n24	12s18	22s53	22s44	3n50	16n 6	2s45
T 2	17 58	1 26	5 6	20 49	1 29	4 52	0 45	18 50	1 9	18 37	0 43	17 16	1 9	8 59	0 32	16 11	1 45	8 24	12 18	22 53	22 44	3 53	16 6	2 45
W 3	17 42	4s17	4 59	20 24	1 34	4 21	0 42	18 40	1 9	18 38	0 43	17 17	1 9	9 0	0 32	16 12	1 45	8 24	12 18	22 52	22 44	3 55	16 6	2 45
T 4	17 27	9 40	4 34	19 56	1 38	3 51	0 38	18 29	1 9	18 38	0 42	17 19	1 10	9 1	0 32	16 12	1 45	8 24	12 18	22 51	22 43	3 58	16 7	2 46
F 5	17 11	14 26	3 51	19 27	1 41	3 20	0 35	18 19	1 9	18 39	0 42	17 20	1 10	9 1	0 32	16 12	1 45	8 24	12 18	22 51	22 43	4 0	16 7	2 46
S 6	16 55	18 18	2 55	18 55	1 43	2 50	0 31	18 8	1 9	18 40	0 42	17 22	1 10	9 2	0 32	16 12	1 45	8 24	12 19	22 51	22 43	4 3	16 7	2 46
S 7	16 38	21 4	1 51	18 21	1 45	2 19	0 28	17 57	1 9	18 41	0 42	17 23	1 10	9 3	0 32	16 12	1 45	8 23	12 19	22 51	22 42	4 5	16 7	2 47
M 8	16 21	22 34	0 41	17 46	1 46	1 49	0 24	17 46	1 9	18 42	0 42	17 25	1 10	9 3	0 32	16 12	1 45	8 23	12 19	22 51	22 42	4 8	16 7	2 47
T 9	16 4	22 47	0n29	17 10	1 46	1 18	0 20	17 35	1 9	18 42	0 41	17 26	1 10	9 4	0 32	16 12	1 45	8 23	12 19	22 51	22 42	4 10	16 7	2 47
W10	15 47	21 47	1 36	16 32	1 46	0 47	0 17	17 24	1 9	18 43	0 41	17 27	1 10	9 5	0 32	16 12	1 45	8 23	12 19	22 51	22 41	4 13	16 7	2 47
T 11	15 29	19 40	2 37	15 52	1 45	0 16	0 13	17 12	1 9	18 44	0 41	17 29	1 10	9 6	0 32	16 12	1 45	8 23	12 20	22 51	22 41	4 15	16 7	2 48
F 12	15 11	16 39	3 30	15 12	1 43	0s14	0 9	17 1	1 9	18 45	0 41	17 30	1 10	9 6	0 32	16 12	1 45	8 23	12 20	22 50	22 41	4 18	16 7	2 48
S 13	14 53	12 56	4 12	14 31	1 41	0 45	0 5	16 49	1 9	18 46	0 40	17 32	1 10	9 7	0 32	16 13	1 45	8 23	12 20	22 49	22 40	4 20	16 7	2 48
S 14	14 35	8 45	4 42	13 49	1 38	1 16	0 1	16 38	1 9	18 47	0 40	17 33	1 10	9 8	0 32	16 13	1 45	8 23	12 20	22 48	22 40	4 23	16 7	2 49
M15	14 17	4 15	4 58	13 7	1 35	1 47	0s 3	16 26	1 9	18 49	0 40	17 34	1 10	9 9	0 32	16 13	1 45	8 22	12 20	22 47	22 40	4 25	16 7	2 49
T 16	13 58	0n20	5 2	12 23	1 31	2 18	0 8	16 14	1 9	18 50	0 40	17 36	1 10	9 10	0 32	16 13	1 45	8 22	12 21	22 46	22 39	4 28	16 7	2 49
W17	13 39	4 54	4 52	11 40	1 27	2 48	0 12	16 2	1 9	18 51	0 40	17 37	1 11	9 10	0 32	16 13	1 45	8 22	12 21	22 44	22 39	4 30	16 7	2 49
T 18	13 20	9 15	4 29	10 56	1 23	3 19	0 16	15 50	1 9	18 52	0 39	17 38	1 11	9 11	0 32	16 13	1 45	8 22	12 21	22 44	22 39	4 33	16 7	2 50
F 19	13 0	13 16	3 55	10 11	1 18	3 50	0 21	15 38	1 9	18 53	0 39	17 40	1 11	9 12	0 32	16 14	1 44	8 22	12 21	22 43	22 38	4 35	16 7	2 50
S 20	12 40	16 47	3 11	9 26	1 12	4 20	0 25	15 25	1 9	18 55	0 39	17 41	1 11	9 13	0 32	16 14	1 44	8 22	12 22	22 42	22 38	4 38	16 7	2 50
S 21	12 21	19 38	2 17	8 42	1 7	4 51	0 29	15 13	1 9	18 56	0 39	17 42	1 11	9 14	0 32	16 14	1 44	8 21	12 22	22 42	22 38	4 40	16 7	2 51
M22	12 1	21 39	1 16	7 57	1 1	5 21	0 34	15 0	1 9	18 57	0 38	17 44	1 11	9 15	0 31	16 14	1 44	8 21	12 22	22 42	22 37	4 43	16 7	2 51
T 23	11 40	22 39	0 10	7 11	0 55	5 51	0 39	14 48	1 9	18 59	0 38	17 45	1 11	9 16	0 31	16 15	1 44	8 21	12 22	22 42	22 37	4 45	16 7	2 51
W24	11 20	22 28	0s58	6 26	0 48	6 22	0 43	14 35	1 9	19 0	0 38	17 46	1 11	9 17	0 31	16 15	1 44	8 21	12 23	22 42	22 36	4 47	16 6	2 51
T 25	10 59	21 0	2 6	5 41	0 42	6 52	0 48	14 22	1 9	19 2	0 38	17 47	1 11	9 18	0 31	16 15	1 44	8 21	12 23	22 42	22 36	4 50	16 6	2 52
F 26	10 39	18 15	3 9	4 57	0 35	7 22	0 53	14 10	1 9	19 3	0 38	17 49	1 11	9 19	0 31	16 15	1 44	8 20	12 23	22 41	22 36	4 52	16 6	2 52
S 27	10 18	14 18	4 1	4 12	0 28	7 51	0 57	13 57	1 9	19 5	0 37	17 50	1 11	9 20	0 31	16 16	1 44	8 20	12 23	22 41	22 35	4 55	16 6	2 52
S 28	9 57	9 24	4 39	3 27	0 21	8 21	1 2	13 44	1 9	19 6	0 37	17 51	1 11	9 21	0 31	16 16	1 44	8 20	12 23	22 40	22 35	4 57	16 6	2 53
M29	9 35	3 50	4 59	2 43	0 13	8 51	1 7	13 30	1 9	19 8	0 37	17 52	1 11	9 22	0 31	16 16	1 44	8 20	12 24	22 38	22 35	5 0	16 5	2 53
T 30	9 14	1s59	4 57	1 59	0 6	9 20	1 12	13 17	1 9	19 9	0 37	17 53	1 11	9 23	0 31	16 16	1 44	8 20	12 24	22 37	22 34	5 2	16 5	2 53
W31	8n52	7s40	4s35	1n15	0s 2	9s49	1s17	13n 4	1n 9	19s11	0n37	17s55	1s11	9s24	0n31	16s17	1n44	8n19	12s24	22s36	22s34	5n 5	16n 5	2s53

Julian Day Number = 2319904.5, Delta T = 50.68 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'35, Lahiri = 18°49'36Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

SEPTEMBER 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 39 39	8♍12'20	23♎37	28♍18	23♎13	29♌14	28♏13	13°R32	25♎33	20♏39	1°R24	14°R32	14♐18	1♈32	24°R18	T 1
F 2	22 43 36	9°10'35	8♏11	29°48	24°18	29°53	28°20	13♒28	25°36	20°40	1♊24	14♐27	14°15	1°38	24♉18	F 2
S 3	22 47 32	10° 8'51	22°20	1♎17	25°23	0♍31	28°26	13°24	25°39	20°41	1°24	14°25	14°11	1°45	24°17	S 3
S 4	22 51 29	11° 7'09	6♐ 4	2°44	26°28	1° 9	28°33	13°21	25°42	20°42	1°24	14°24	14° 8	1°52	24°17	S 4
M 5	22 55 25	12° 5'28	19°24	4°10	27°33	1°47	28°40	13°17	25°45	20°43	1°24	14°24	14° 5	1°59	24°17	M 5
T 6	22 59 22	13° 3'49	2♑24	5°35	28°37	2°25	28°48	13°13	25°48	20°44	1°24	14°24	14° 2	2° 5	24°16	T 6
W 7	23 3 19	14° 2'12	15° 6	6°59	29°42	3° 3	28°55	13°10	25°51	20°45	1°24	14°21	13°59	2°12	24°16	W 7
T 8	23 7 15	15° 0'36	27°35	8°21	0♏46	3°42	29° 3	13° 6	25°54	20°47	1°24	14°16	13°55	2°19	24°15	T 8
F 9	23 11 12	15°59'01	9♒53	9°42	1°49	4°20	29°10	13° 3	25°57	20°48	1°24	14° 8	13°52	2°25	24°15	F 9
S 10	23 15 8	16°57'29	22° 2	11° 2	2°53	4°58	29°18	13° 0	26° 0	20°49	1°23	13°58	13°49	2°32	24°14	S 10
S 11	23 19 5	17°55'58	4♓ 5	12°20	3°56	5°36	29°26	12°56	26° 3	20°50	1°23	13°45	13°46	2°39	24°14	S 11
M12	23 23 1	18°54'29	16° 3	13°36	4°59	6°14	29°34	12°53	26° 6	20°51	1°23	13°31	13°43	2°46	24°13	M12
T 13	23 26 58	19°53'01	27°57	14°51	6° 2	6°52	29°42	12°50	26° 9	20°53	1°23	13°17	13°40	2°52	24°12	T 13
W14	23 30 54	20°51'36	9♈49	16° 5	7° 4	7°31	29°51	12°47	26°13	20°54	1°22	13° 4	13°36	2°59	24°11	W14
T 15	23 34 51	21°50'13	21°40	17°16	8° 7	8° 9	29°59	12°44	26°16	20°55	1°22	12°53	13°33	3° 6	24°10	T 15
F 16	23 38 47	22°48'52	3♉32	18°26	9° 9	8°47	0♐ 7	12°41	26°19	20°57	1°22	12°44	13°30	3°12	24° 9	F 16
S 17	23 42 44	23°47'33	15°29	19°34	10°10	9°25	0°16	12°38	26°22	20°58	1°21	12°39	13°27	3°19	24° 8	S 17
S 18	23 46 41	24°46'17	27°33	20°40	11°12	10° 3	0°25	12°35	26°26	21° 0	1°21	12°36	13°24	3°26	24° 7	S 18
M19	23 50 37	25°45'03	9♊50	21°44	12°13	10°42	0°34	12°33	26°29	21° 1	1°21	12°D35	13°20	3°33	24° 5	M19
T 20	23 54 34	26°43'51	22°23	22°45	13°13	11°20	0°43	12°30	26°33	21° 2	1°20	12°R36	13°17	3°39	24° 4	T 20
W21	23 58 30	27°42'41	5♋17	23°44	14°14	11°58	0°52	12°28	26°36	21° 4	1°20	12°35	13°14	3°46	24° 3	W21
T 22	0 2 27	28°41'33	18°37	24°40	15°14	12°36	1° 1	12°25	26°39	21° 5	1°20	12°34	13°11	3°53	24° 1	T 22
F 23	0 6 23	29°40'28	2♌26	25°33	16°14	13°14	1°11	12°23	26°43	21° 7	1°19	12°30	13° 8	3°59	24° 0	F 23
S 24	0 10 20	0♎39'26	16°45	26°23	17°13	13°53	1°20	12°21	26°46	21° 9	1°19	12°24	13° 5	4° 6	23°58	S 24
S 25	0 14 16	1°38'25	1♍31	27°10	18°12	14°31	1°30	12°19	26°50	21°10	1°18	12°16	13° 1	4°13	23°57	S 25
M26	0 18 13	2°37'26	16°38	27°53	19°11	15° 9	1°39	12°16	26°53	21°12	1°18	12° 6	12°58	4°20	23°55	M26
T 27	0 22 10	3°36'30	1♎56	28°32	20° 9	15°47	1°49	12°14	26°57	21°13	1°17	11°55	12°55	4°26	23°53	T 27
W28	0 26 6	4°35'36	17°15	29° 7	21° 7	16°26	1°59	12°13	27° 0	21°15	1°17	11°46	12°52	4°33	23°52	W28
T 29	0 30 3	5°34'44	2♏22	29°37	22° 4	17° 4	2° 9	12°11	27° 4	21°17	1°16	11°39	12°49	4°40	23°50	T 29
F 30	0 33 59	6♎33'53	17♏10	0♏ 1	23♏ 1	17♍42	2♐19	12♒ 9	27♎ 7	21♏19	1♊15	11♐34	12♐46	4♈46	23♉48	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	8n31	12s48	3s54	0n32	0s10	10s18	1s22	12n50	1n 9	19s13	0n36	17s56	1s11	9s25	0n31	16s17	1n44	8n19	12s24	22s35	22s34	5n 7	16n 4	2s54	T 1
F 2	8 9	17 5	2 59	0s12	0 18	10 47	1 27	12 37	1 9	19 14	0 36	17 57	1 11	9 26	0 31	16 17	1 44	8 19	12 25	22 35	22 33	5 9	16 4	2 54	F 2
S 3	7 47	20 13	1 54	0 54	0 26	11 16	1 32	12 23	1 9	19 16	0 36	17 58	1 11	9 27	0 31	16 18	1 44	8 19	12 25	22 34	22 33	5 12	16 4	2 54	S 3
S 4	7 25	22 5	0 44	1 36	0 34	11 44	1 37	12 10	1 9	19 18	0 36	17 59	1 11	9 28	0 31	16 18	1 44	8 19	12 25	22 34	22 32	5 14	16 3	2 55	S 4
M 5	7 2	22 37	0n26	2 18	0 42	12 12	1 42	11 56	1 9	19 19	0 36	18 0	1 11	9 29	0 31	16 18	1 43	8 18	12 25	22 34	22 32	5 17	16 3	2 55	M 5
T 6	6 40	21 54	1 34	2 59	0 50	12 40	1 47	11 42	1 9	19 21	0 35	18 1	1 11	9 30	0 31	16 19	1 43	8 18	12 25	22 34	22 32	5 19	16 3	2 55	T 6
W 7	6 18	20 4	2 34	3 40	0 58	13 8	1 52	11 29	1 9	19 23	0 35	18 2	1 11	9 31	0 31	16 19	1 43	8 18	12 26	22 34	22 31	5 22	16 2	2 55	W 7
T 8	5 55	17 18	3 27	4 20	1 6	13 35	1 57	11 15	1 9	19 25	0 35	18 3	1 11	9 32	0 31	16 19	1 43	8 18	12 26	22 33	22 31	5 24	16 2	2 56	T 8
F 9	5 32	13 49	4 8	5 0	1 15	14 2	2 2	11 1	1 9	19 27	0 35	18 4	1 11	9 34	0 31	16 20	1 43	8 17	12 26	22 32	22 31	5 26	16 2	2 56	F 9
S 10	5 10	9 48	4 38	5 38	1 23	14 29	2 7	10 47	1 9	19 29	0 35	18 5	1 11	9 35	0 31	16 20	1 43	8 17	12 26	22 31	22 30	5 29	16 1	2 56	S 10
S 11	4 47	5 27	4 55	6 16	1 31	14 55	2 12	10 33	1 9	19 30	0 35	18 6	1 11	9 36	0 31	16 20	1 43	8 17	12 27	22 30	22 30	5 31	16 1	2 57	S 11
M12	4 24	0 55	4 59	6 54	1 39	15 22	2 17	10 18	1 9	19 32	0 34	18 7	1 11	9 37	0 31	16 21	1 43	8 17	12 27	22 28	22 29	5 34	16 0	2 57	M12
T 13	4 1	3n37	4 50	7 30	1 47	15 47	2 22	10 4	1 9	19 34	0 34	18 8	1 11	9 38	0 31	16 21	1 43	8 16	12 27	22 26	22 29	5 36	16 0	2 57	T 13
W14	3 38	8 0	4 28	8 6	1 55	16 13	2 27	9 50	1 9	19 36	0 34	18 9	1 11	9 39	0 31	16 22	1 43	8 16	12 27	22 25	22 29	5 38	15 59	2 57	W14
T 15	3 15	12 5	3 55	8 41	2 3	16 38	2 32	9 36	1 9	19 38	0 34	18 10	1 11	9 41	0 31	16 22	1 43	8 16	12 27	22 23	22 28	5 41	15 59	2 58	T 15
F 16	2 51	15 42	3 11	9 15	2 10	17 3	2 37	9 21	1 9	19 40	0 34	18 10	1 11	9 42	0 31	16 22	1 43	8 15	12 28	22 22	22 28	5 43	15 58	2 58	F 16
S 17	2 28	18 43	2 18	9 48	2 18	17 28	2 42	9 7	1 9	19 42	0 33	18 11	1 11	9 43	0 31	16 23	1 43	8 15	12 28	22 21	22 27	5 46	15 58	2 58	S 17
S 18	2 5	20 56	1 19	10 20	2 25	17 52	2 47	8 52	1 8	19 44	0 33	18 12	1 11	9 44	0 31	16 23	1 43	8 15	12 28	22 21	22 27	5 48	15 57	2 59	S 18
M19	1 42	22 13	0 15	10 50	2 33	18 16	2 52	8 38	1 8	19 46	0 33	18 13	1 11	9 46	0 31	16 24	1 43	8 15	12 28	22 21	22 27	5 50	15 56	2 59	M19
T 20	1 18	22 24	0s52	11 20	2 40	18 39	2 57	8 23	1 8	19 48	0 33	18 14	1 11	9 47	0 31	16 24	1 43	8 14	12 28	22 21	22 26	5 53	15 56	2 59	T 20
W21	0 55	21 26	1 57	11 48	2 46	19 2	3 2	8 8	1 8	19 50	0 33	18 14	1 11	9 48	0 31	16 25	1 43	8 14	12 29	22 21	22 26	5 55	15 55	2 59	W21
T 22	0 31	19 14	2 59	12 15	2 53	19 25	3 7	7 54	1 8	19 52	0 33	18 15	1 11	9 49	0 31	16 25	1 43	8 14	12 29	22 21	22 26	5 58	15 55	3 0	T 22
F 23	0 8	15 53	3 52	12 40	2 59	19 47	3 12	7 39	1 8	19 54	0 32	18 16	1 11	9 51	0 31	16 25	1 43	8 14	12 29	22 20	22 25	6 0	15 54	3 0	F 23
S 24	0s16	11 30	4 33	13 4	3 5	20 9	3 17	7 24	1 8	19 57	0 32	18 16	1 11	9 52	0 31	16 26	1 42	8 13	12 29	22 20	22 25	6 2	15 53	3 0	S 24
S 25	0 39	6 20	4 57	13 26	3 10	20 31	3 22	7 9	1 8	19 59	0 32	18 17	1 11	9 53	0 31	16 26	1 42	8 13	12 29	22 18	22 24	6 5	15 53	3 0	S 25
M26	1 3	0 40	5 1	13 46	3 15	20 52	3 27	6 54	1 8	20 1	0 32	18 17	1 11	9 54	0 31	16 27	1 42	8 13	12 30	22 17	22 24	6 7	15 52	3 1	M26
T 27	1 26	5s 7	4 44	14 5	3 19	21 12	3 31	6 39	1 8	20 3	0 32	18 18	1 11	9 56	0 31	16 27	1 42	8 12	12 30	22 16	22 24	6 10	15 51	3 1	T 27
W28	1 50	10 35	4 7	14 21	3 23	21 32	3 36	6 24	1 8	20 5	0 32	18 18	1 11	9 57	0 31	16 28	1 42	8 12	12 30	22 14	22 23	6 12	15 51	3 1	W28
T 29	2 13	15 20	3 12	14 34	3 26	21 52	3 40	6 9	1 8	20 7	0 31	18 19	1 11	9 58	0 31	16 28	1 42	8 12	12 30	22 14	22 23	6 14	15 50	3 2	T 29
F 30	2s37	19s 0	2s 6	14s45	3s29	22s11	3s45	5n54	1n 8	20s 9	0n31	18s19	1s11	10s 0	0n31	16s29	1n42	8n12	12s30	22s13	22s22	6n17	15n49	3s 2	F 30

Julian Day Number = 2319935.5, Delta T = 50.62 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'39, Lahiri = 18°49'40Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1639
geocentric

OCTOBER 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 37 56	7♎33'05	1♐31	0♏20	23♏58	18♍20	2♐29	12°R 8	27♎11	21♏20	1°R15	11°R32	12♐42	4♈53	23°R46	S 1
S 2	0 41 52	8°32'18	15°24	0°33	24°54	18°59	2°40	12♒ 6	27°15	21°22	1♊14	11°D32	12°39	5° 0	23♉44	S 2
M 3	0 45 49	9°31'34	28°50	0°R39	25°49	19°37	2°50	12° 5	27°18	21°24	1°14	11♐32	12°36	5° 7	23°42	M 3
T 4	0 49 45	10°30'51	11♑51	0°38	26°44	20°15	3° 1	12° 3	27°22	21°26	1°13	11°R32	12°33	5°13	23°40	T 4
W 5	0 53 42	11°30'09	24°31	0°30	27°39	20°53	3°11	12° 2	27°25	21°27	1°12	11°32	12°30	5°20	23°38	W 5
T 6	0 57 39	12°29'30	6♒55	0°14	28°32	21°32	3°22	12° 1	27°29	21°29	1°12	11°29	12°26	5°27	23°36	T 6
F 7	1 1 35	13°28'52	19° 6	29♎49	29°26	22°10	3°33	12° 0	27°33	21°31	1°11	11°23	12°23	5°33	23°33	F 7
S 8	1 5 32	14°28'16	1♓ 8	29°17	0♐18	22°48	3°44	11°59	27°37	21°33	1°10	11°15	12°20	5°40	23°31	S 8
S 9	1 9 28	15°27'42	13° 4	28°35	1°11	23°27	3°55	11°58	27°40	21°35	1° 9	11° 6	12°17	5°47	23°29	S 9
M10	1 13 25	16°27'10	24°57	27°46	2° 2	24° 5	4° 6	11°57	27°44	21°37	1° 9	10°55	12°14	5°54	23°26	M10
T 11	1 17 21	17°26'40	6♈49	26°50	2°53	24°43	4°17	11°57	27°48	21°39	1° 8	10°44	12°11	6° 0	23°24	T 11
W12	1 21 18	18°26'12	18°42	25°47	3°43	25°21	4°28	11°56	27°51	21°41	1° 7	10°34	12° 7	6° 7	23°21	W12
T 13	1 25 14	19°25'46	0♉36	24°38	4°32	26° 0	4°39	11°56	27°55	21°43	1° 6	10°26	12° 4	6°14	23°19	T 13
F 14	1 29 11	20°25'22	12°34	23°25	5°20	26°38	4°51	11°56	27°59	21°45	1° 6	10°20	12° 1	6°20	23°16	F 14
S 15	1 33 8	21°25'00	24°38	22°11	6° 8	27°16	5° 2	11°55	28° 3	21°47	1° 5	10°17	11°58	6°27	23°14	S 15
S 16	1 37 4	22°24'40	6♊49	20°57	6°55	27°55	5°14	11°55	28° 6	21°49	1° 4	10°D15	11°55	6°34	23°11	S 16
M17	1 41 1	23°24'23	19°11	19°45	7°41	28°33	5°25	11°D55	28°10	21°51	1° 3	10°15	11°52	6°41	23° 8	M17
T 18	1 44 57	24°24'07	1♋47	18°37	8°26	29°11	5°37	11°55	28°14	21°53	1° 2	10°17	11°48	6°47	23° 5	T 18
W19	1 48 54	25°23'55	14°41	17°37	9°10	29°50	5°49	11°55	28°18	21°55	1° 1	10°18	11°45	6°54	23° 3	W19
T 20	1 52 50	26°23'44	27°57	16°44	9°53	0♎28	6° 0	11°56	28°21	21°57	1° 0	10°R18	11°42	7° 1	23° 0	T 20
F 21	1 56 47	27°23'35	11♌37	16° 2	10°36	1° 6	6°12	11°56	28°25	21°59	0°59	10°17	11°39	7° 7	22°57	F 21
S 22	2 0 43	28°23'29	25°43	15°30	11°17	1°45	6°24	11°57	28°29	22° 1	0°59	10°15	11°36	7°14	22°54	S 22
S 23	2 4 40	29°23'25	10♍14	15° 9	11°57	2°23	6°36	11°57	28°33	22° 3	0°58	10°10	11°32	7°21	22°51	S 23
M24	2 8 36	0♏23'23	25° 6	15°D 0	12°36	3° 2	6°48	11°58	28°36	22° 5	0°57	10° 4	11°29	7°27	22°48	M24
T 25	2 12 33	1°23'24	10♎12	15° 3	13°13	3°40	7° 0	11°59	28°40	22° 7	0°56	9°58	11°26	7°34	22°45	T 25
W26	2 16 30	2°23'26	25°23	15°16	13°50	4°18	7°13	12° 0	28°44	22° 9	0°55	9°53	11°23	7°41	22°42	W26
T 27	2 20 26	3°23'30	10♏28	15°39	14°25	4°57	7°25	12° 1	28°48	22°12	0°54	9°49	11°20	7°48	22°39	T 27
F 28	2 24 23	4°23'37	25°19	16°12	14°59	5°35	7°37	12° 2	28°51	22°14	0°53	9°46	11°17	7°54	22°36	F 28
S 29	2 28 19	5°23'45	9♐47	16°54	15°32	6°14	7°50	12° 3	28°55	22°16	0°52	9°D45	11°13	8° 1	22°33	S 29
S 30	2 32 16	6°23'54	23°49	17°44	16° 3	6°52	8° 2	12° 4	28°59	22°18	0°51	9°46	11°10	8° 8	22°30	S 30
M31	2 36 12	7♏24'06	7♑24	18♎40	16♐32	7♎30	8♐15	12♒ 6	29♎ 3	22♏20	0♊50	9♐47	11♐ 7	8♈14	22♉27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s 0	21s22	0s53	14s53	3s30	22s30	3s49	5n39	1n 7	20s11	0n31	18s20	1s11	10s 1	0n31	16s29	1n42	8n11	12s31	22s13	22s22	6n19	15n49	3s 2
S 2	3 24	22 20	0n21	14 58	3 31	22 48	3 54	5 24	1 7	20 14	0 31	18 20	1 11	10 2	0 31	16 30	1 42	8 11	12 31	22 13	22 21	6 21	15 48	3 2
M 3	3 47	21 58	1 31	15 0	3 30	23 6	3 58	5 9	1 7	20 16	0 31	18 20	1 11	10 3	0 31	16 30	1 42	8 11	12 31	22 13	22 21	6 24	15 47	3 3
T 4	4 10	20 23	2 35	14 58	3 29	23 23	4 2	4 54	1 7	20 18	0 31	18 21	1 11	10 5	0 31	16 31	1 42	8 10	12 31	22 13	22 21	6 26	15 46	3 3
W 5	4 33	17 50	3 29	14 52	3 26	23 40	4 7	4 39	1 7	20 20	0 30	18 21	1 11	10 6	0 31	16 31	1 42	8 10	12 31	22 13	22 20	6 28	15 46	3 3
T 6	4 57	14 31	4 12	14 43	3 21	23 57	4 11	4 23	1 7	20 22	0 30	18 21	1 11	10 7	0 30	16 32	1 42	8 10	12 31	22 12	22 20	6 31	15 45	3 3
F 7	5 20	10 39	4 42	14 28	3 15	24 12	4 15	4 8	1 7	20 25	0 30	18 22	1 11	10 9	0 30	16 32	1 42	8 9	12 32	22 11	22 19	6 33	15 44	3 4
S 8	5 43	6 25	5 0	14 10	3 8	24 28	4 18	3 53	1 7	20 27	0 30	18 22	1 11	10 10	0 30	16 33	1 42	8 9	12 32	22 10	22 19	6 36	15 43	3 4
S 9	6 6	1 59	5 5	13 46	2 58	24 43	4 22	3 38	1 7	20 29	0 30	18 22	1 11	10 11	0 30	16 33	1 42	8 9	12 32	22 9	22 19	6 38	15 42	3 4
M10	6 29	2n31	4 56	13 18	2 47	24 57	4 26	3 22	1 6	20 31	0 30	18 22	1 11	10 13	0 30	16 34	1 42	8 9	12 32	22 7	22 18	6 40	15 42	3 4
T 11	6 52	6 55	4 34	12 45	2 34	25 11	4 29	3 7	1 6	20 33	0 30	18 22	1 11	10 14	0 30	16 34	1 42	8 8	12 32	22 6	22 18	6 43	15 41	3 4
W12	7 14	11 3	4 1	12 8	2 19	25 24	4 33	2 52	1 6	20 36	0 29	18 22	1 11	10 15	0 30	16 35	1 42	8 8	12 32	22 5	22 17	6 45	15 40	3 5
T 13	7 37	14 46	3 17	11 28	2 3	25 37	4 36	2 36	1 6	20 38	0 29	18 23	1 11	10 17	0 30	16 35	1 42	8 8	12 33	22 3	22 17	6 47	15 39	3 5
F 14	8 0	17 55	2 23	10 44	1 45	25 49	4 39	2 21	1 6	20 40	0 29	18 23	1 11	10 18	0 30	16 36	1 42	8 7	12 33	22 2	22 16	6 50	15 38	3 5
S 15	8 22	20 19	1 23	9 58	1 25	26 0	4 42	2 5	1 6	20 42	0 29	18 23	1 11	10 20	0 30	16 36	1 42	8 7	12 33	22 2	22 16	6 52	15 37	3 5
S 16	8 44	21 48	0 19	9 12	1 5	26 11	4 45	1 50	1 6	20 44	0 29	18 23	1 11	10 21	0 30	16 37	1 42	8 7	12 33	22 2	22 16	6 54	15 37	3 6
M17	9 7	22 15	0s48	8 25	0 44	26 22	4 48	1 35	1 5	20 47	0 29	18 23	1 10	10 22	0 30	16 38	1 42	8 7	12 33	22 2	22 15	6 57	15 36	3 6
T 18	9 29	21 35	1 54	7 41	0 24	26 32	4 50	1 19	1 5	20 49	0 29	18 23	1 10	10 24	0 30	16 38	1 42	8 6	12 33	22 2	22 15	6 59	15 35	3 6
W19	9 51	19 46	2 55	6 59	0 3	26 41	4 53	1 4	1 5	20 51	0 28	18 22	1 10	10 25	0 30	16 39	1 42	8 6	12 33	22 2	22 14	7 1	15 34	3 6
T 20	10 12	16 52	3 49	6 21	0n16	26 50	4 55	0 48	1 5	20 53	0 28	18 22	1 10	10 26	0 30	16 39	1 42	8 6	12 34	22 2	22 14	7 4	15 33	3 6
F 21	10 34	12 58	4 32	5 47	0 35	26 59	4 57	0 33	1 5	20 55	0 28	18 22	1 10	10 28	0 30	16 40	1 41	8 5	12 34	22 2	22 13	7 6	15 32	3 7
S 22	10 55	8 16	5 0	5 19	0 52	27 6	4 59	0 18	1 5	20 58	0 28	18 22	1 10	10 29	0 30	16 40	1 41	8 5	12 34	22 2	22 13	7 8	15 31	3 7
S 23	11 17	2 58	5 10	4 57	1 7	27 13	5 0	0 2	1 4	21 0	0 28	18 22	1 10	10 30	0 30	16 41	1 41	8 5	12 34	22 1	22 13	7 10	15 30	3 7
M24	11 38	2s38	4 59	4 41	1 21	27 20	5 2	0s13	1 4	21 2	0 28	18 22	1 10	10 32	0 30	16 41	1 41	8 5	12 34	22 0	22 12	7 13	15 29	3 7
T 25	11 59	8 9	4 28	4 30	1 33	27 26	5 3	0 29	1 4	21 4	0 28	18 21	1 10	10 33	0 30	16 42	1 41	8 4	12 34	21 59	22 12	7 15	15 28	3 7
W26	12 20	13 13	3 38	4 26	1 44	27 32	5 4	0 44	1 4	21 6	0 27	18 21	1 10	10 34	0 30	16 43	1 41	8 4	12 34	21 58	22 11	7 17	15 27	3 8
T 27	12 40	17 24	2 33	4 27	1 52	27 37	5 4	1 0	1 4	21 8	0 27	18 21	1 10	10 36	0 30	16 43	1 41	8 4	12 34	21 58	22 11	7 20	15 27	3 8
F 28	13 1	20 23	1 18	4 33	1 59	27 41	5 5	1 15	1 4	21 11	0 27	18 20	1 10	10 37	0 30	16 44	1 41	8 3	12 34	21 57	22 10	7 22	15 26	3 8
S 29	13 21	21 57	0n 0	4 44	2 5	27 45	5 5	1 30	1 3	21 13	0 27	18 20	1 10	10 38	0 30	16 44	1 41	8 3	12 34	21 57	22 10	7 24	15 25	3 8
S 30	13 41	22 4	1 16	4 59	2 9	27 48	5 5	1 46	1 3	21 15	0 27	18 20	1 10	10 40	0 30	16 45	1 41	8 3	12 34	21 57	22 10	7 27	15 24	3 8
M31	14s 0	20s52	2n25	5s18	2n12	27s51	5s 4	2s 1	1n 3	21s17	0n27	18s19	1s10	10s41	0n30	16s45	1n41	8n 3	12s35	21s58	22s 9	7n29	15n23	3s 8

Julian Day Number = 2319965.5, Delta T = 50.56 sec
Ecliptic obliquity = 23°29'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'43, Lahiri = 18°49'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

NOVEMBER 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 40 9	8♏24'19	20♉32	19♎43	17♐ 0	8♎ 9	8♐27	12♒ 7	29♎ 6	22♏22	0°R49	9♐49	11♐ 4	8♈21	22°R23	T 1
W 2	2 44 6	9°24'33	3♒16	20°51	17°26	8°47	8°40	12° 9	29°10	22°25	0♊48	9°50	11° 1	8°28	22♉20	W 2
T 3	2 48 2	10°24'49	15°42	22° 3	17°51	9°26	8°53	12°11	29°14	22°27	0°47	9°R50	10°57	8°35	22°17	T 3
F 4	2 51 59	11°25'06	27°52	23°20	18°14	10° 4	9° 5	12°12	29°18	22°29	0°45	9°49	10°54	8°41	22°14	F 4
S 5	2 55 55	12°25'25	9♓52	24°39	18°35	10°43	9°18	12°14	29°21	22°31	0°44	9°46	10°51	8°48	22°10	S 5
S 6	2 59 52	13°25'45	21°46	26° 2	18°54	11°21	9°31	12°16	29°25	22°34	0°43	9°43	10°48	8°55	22° 7	S 6
M 7	3 3 48	14°26'07	3♈37	27°27	19°11	11°59	9°44	12°18	29°29	22°36	0°42	9°38	10°45	9° 1	22° 4	M 7
T 8	3 7 45	15°26'30	15°29	28°54	19°26	12°38	9°57	12°21	29°32	22°38	0°41	9°34	10°42	9° 8	22° 1	T 8
W 9	3 11 41	16°26'55	27°24	0♏22	19°39	13°16	10°10	12°23	29°36	22°40	0°40	9°30	10°38	9°15	21°57	W 9
T 10	3 15 38	17°27'21	9♉25	1°52	19°50	13°55	10°23	12°25	29°40	22°43	0°39	9°26	10°35	9°21	21°54	T 10
F 11	3 19 34	18°27'49	21°32	3°23	19°58	14°33	10°36	12°28	29°43	22°45	0°38	9°24	10°32	9°28	21°51	F 11
S 12	3 23 31	19°28'19	3♊48	4°55	20° 5	15°12	10°49	12°30	29°47	22°47	0°37	9°D23	10°29	9°35	21°47	S 12
S 13	3 27 28	20°28'50	16°14	6°28	20° 9	15°50	11° 2	12°33	29°50	22°49	0°36	9°23	10°26	9°42	21°44	S 13
M14	3 31 24	21°29'23	28°51	8° 1	20°R10	16°29	11°15	12°36	29°54	22°52	0°35	9°24	10°23	9°48	21°41	M14
T 15	3 35 21	22°29'58	11♋41	9°35	20°10	17° 7	11°28	12°39	29°58	22°54	0°33	9°25	10°19	9°55	21°37	T 15
W16	3 39 17	23°30'34	24°46	11° 9	20° 7	17°46	11°42	12°42	0♏ 1	22°56	0°32	9°27	10°16	10° 2	21°34	W16
T 17	3 43 14	24°31'12	8♌ 6	12°43	20° 1	18°25	11°55	12°45	0° 5	22°58	0°31	9°28	10°13	10° 8	21°31	T 17
F 18	3 47 10	25°31'52	21°45	14°17	19°53	19° 3	12° 8	12°48	0° 8	23° 1	0°30	9°R28	10°10	10°15	21°27	F 18
S 19	3 51 7	26°32'33	5♍41	15°51	19°42	19°42	12°21	12°51	0°12	23° 3	0°29	9°28	10° 7	10°22	21°24	S 19
S 20	3 55 3	27°33'16	19°55	17°26	19°29	20°20	12°35	12°54	0°15	23° 5	0°28	9°28	10° 3	10°29	21°21	S 20
M21	3 59 0	28°34'01	4♎25	19° 0	19°14	20°59	12°48	12°58	0°19	23° 7	0°27	9°26	10° 0	10°35	21°18	M21
T 22	4 2 57	29°34'47	19° 6	20°35	18°56	21°37	13° 2	13° 1	0°22	23°10	0°25	9°25	9°57	10°42	21°14	T 22
W23	4 6 53	0♐35'35	3♏53	22° 9	18°36	22°16	13°15	13° 5	0°25	23°12	0°24	9°24	9°54	10°49	21°11	W23
T 24	4 10 50	1°36'24	18°39	23°44	18°14	22°55	13°29	13° 9	0°29	23°14	0°23	9°23	9°51	10°55	21° 8	T 24
F 25	4 14 46	2°37'15	3♐16	25°18	17°50	23°33	13°42	13°12	0°32	23°16	0°22	9°D23	9°48	11° 2	21° 4	F 25
S 26	4 18 43	3°38'07	17°37	26°53	17°23	24°12	13°56	13°16	0°35	23°19	0°21	9°23	9°44	11° 9	21° 1	S 26
S 27	4 22 39	4°39'00	1♑39	28°27	16°55	24°50	14° 9	13°20	0°39	23°21	0°20	9°23	9°41	11°15	20°58	S 27
M28	4 26 36	5°39'54	15°17	0♐ 1	16°25	25°29	14°23	13°24	0°42	23°23	0°19	9°24	9°38	11°22	20°55	M28
T 29	4 30 33	6°40'49	28°30	1°36	15°53	26° 8	14°36	13°28	0°45	23°25	0°18	9°24	9°35	11°29	20°52	T 29
W30	4 34 29	7♐41'45	11♒21	3♐10	15♐20	26♎46	14♐50	13♒33	0♏48	23♏27	0♊16	9♐24	9♐32	11♈36	20♉48	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s20	18s32	3n25	5s40	2n13	27s53	5s 3	2s17	1n 3	21s19	0n27	18s19	1s10	10s42	0n30	16s46	1n41	8n 2	12s35	21s58	22s 9	7n31	15n22	3s 9
W 2	14 39	15 22	4 12	6 5	2 14	27 54	5 2	2 32	1 3	21 21	0 27	18 18	1 10	10 44	0 30	16 47	1 41	8 2	12 35	21 58	22 8	7 33	15 21	3 9
T 3	14 58	11 36	4 46	6 33	2 13	27 55	5 1	2 47	1 2	21 23	0 26	18 18	1 10	10 45	0 30	16 47	1 41	8 2	12 35	21 58	22 8	7 36	15 20	3 9
F 4	15 17	7 26	5 7	7 2	2 12	27 56	4 59	3 3	1 2	21 25	0 26	18 17	1 10	10 46	0 30	16 48	1 41	8 2	12 35	21 58	22 7	7 38	15 19	3 9
S 5	15 36	3 3	5 13	7 34	2 9	27 55	4 57	3 18	1 2	21 27	0 26	18 16	1 10	10 48	0 30	16 48	1 41	8 1	12 35	21 57	22 7	7 40	15 18	3 9
S 6	15 54	1n25	5 7	8 7	2 6	27 54	4 54	3 33	1 2	21 29	0 26	18 16	1 10	10 49	0 30	16 49	1 41	8 1	12 35	21 57	22 6	7 43	15 17	3 9
M 7	16 12	5 49	4 47	8 40	2 3	27 53	4 51	3 48	1 2	21 31	0 26	18 15	1 10	10 50	0 30	16 49	1 41	8 1	12 35	21 56	22 6	7 45	15 16	3 9
T 8	16 30	10 1	4 14	9 15	1 59	27 51	4 48	4 4	1 1	21 33	0 26	18 15	1 9	10 52	0 30	16 50	1 41	8 1	12 35	21 56	22 6	7 47	15 15	3 10
W 9	16 47	13 51	3 31	9 50	1 54	27 48	4 44	4 19	1 1	21 35	0 26	18 14	1 9	10 53	0 30	16 51	1 41	8 0	12 35	21 55	22 5	7 49	15 14	3 10
T 10	17 4	17 9	2 38	10 26	1 49	27 44	4 40	4 34	1 1	21 37	0 26	18 13	1 9	10 54	0 30	16 51	1 41	8 0	12 35	21 55	22 5	7 52	15 13	3 10
F 11	17 21	19 44	1 37	11 2	1 44	27 40	4 35	4 49	1 1	21 39	0 26	18 12	1 9	10 55	0 30	16 52	1 41	8 0	12 35	21 54	22 4	7 54	15 12	3 10
S 12	17 38	21 27	0 31	11 39	1 38	27 36	4 30	5 4	1 0	21 41	0 25	18 12	1 9	10 57	0 30	16 52	1 41	8 0	12 35	21 54	22 4	7 56	15 11	3 10
S 13	17 54	22 9	0s38	12 15	1 32	27 30	4 24	5 19	1 0	21 43	0 25	18 11	1 9	10 58	0 30	16 53	1 41	7 59	12 35	21 54	22 3	7 58	15 10	3 10
M14	18 10	21 43	1 46	12 51	1 26	27 24	4 18	5 34	1 0	21 45	0 25	18 10	1 9	10 59	0 30	16 53	1 41	7 59	12 35	21 54	22 3	8 1	15 9	3 10
T 15	18 26	20 10	2 49	13 27	1 20	27 17	4 11	5 49	1 0	21 47	0 25	18 9	1 9	11 0	0 30	16 54	1 41	7 59	12 35	21 54	22 2	8 3	15 8	3 10
W16	18 41	17 31	3 45	14 2	1 13	27 10	4 3	6 4	0 59	21 49	0 25	18 8	1 9	11 2	0 30	16 55	1 41	7 59	12 35	21 55	22 2	8 5	15 7	3 11
T 17	18 56	13 55	4 31	14 37	1 7	27 1	3 55	6 19	0 59	21 51	0 25	18 7	1 9	11 3	0 30	16 55	1 41	7 58	12 35	21 55	22 1	8 7	15 6	3 11
F 18	19 11	9 31	5 2	15 12	1 0	26 52	3 47	6 34	0 59	21 53	0 25	18 6	1 9	11 4	0 30	16 56	1 41	7 58	12 35	21 55	22 1	8 10	15 6	3 11
S 19	19 25	4 33	5 16	15 46	0 53	26 42	3 38	6 49	0 59	21 55	0 25	18 5	1 9	11 5	0 30	16 56	1 41	7 58	12 35	21 55	22 1	8 12	15 5	3 11
S 20	19 39	0s46	5 11	16 19	0 46	26 31	3 28	7 4	0 58	21 57	0 25	18 4	1 9	11 7	0 30	16 57	1 41	7 58	12 35	21 55	22 0	8 14	15 4	3 11
M21	19 53	6 9	4 47	16 52	0 40	26 20	3 18	7 18	0 58	21 58	0 24	18 3	1 9	11 8	0 30	16 57	1 41	7 58	12 35	21 55	22 0	8 16	15 3	3 11
T 22	20 6	11 15	4 4	17 24	0 33	26 8	3 7	7 33	0 58	22 0	0 24	18 2	1 9	11 9	0 30	16 58	1 41	7 57	12 35	21 54	21 59	8 19	15 2	3 11
W23	20 19	15 44	3 4	17 56	0 26	25 55	2 56	7 48	0 58	22 2	0 24	18 1	1 9	11 10	0 30	16 59	1 41	7 57	12 35	21 54	21 59	8 21	15 1	3 11
T 24	20 31	19 13	1 53	18 26	0 19	25 41	2 44	8 2	0 57	22 4	0 24	18 0	1 9	11 11	0 30	16 59	1 41	7 57	12 35	21 54	21 58	8 23	15 0	3 11
F 25	20 43	21 24	0 34	18 56	0 12	25 26	2 31	8 17	0 57	22 5	0 24	17 59	1 9	11 12	0 30	17 0	1 41	7 57	12 35	21 54	21 58	8 25	14 59	3 11
S 26	20 55	22 9	0n46	19 25	0 5	25 11	2 18	8 31	0 57	22 7	0 24	17 58	1 9	11 14	0 30	17 0	1 41	7 57	12 35	21 54	21 57	8 28	14 58	3 11
S 27	21 7	21 28	2 1	19 53	0s 2	24 55	2 5	8 46	0 56	22 9	0 24	17 57	1 9	11 15	0 30	17 1	1 41	7 57	12 35	21 54	21 57	8 30	14 57	3 11
M28	21 17	19 31	3 6	20 20	0 9	24 38	1 51	9 0	0 56	22 11	0 24	17 56	1 9	11 16	0 30	17 1	1 41	7 56	12 35	21 54	21 56	8 32	14 56	3 11
T 29	21 28	16 35	4 0	20 46	0 15	24 20	1 36	9 14	0 56	22 12	0 24	17 54	1 9	11 17	0 30	17 2	1 41	7 56	12 35	21 54	21 56	8 34	14 56	3 11
W30	21s38	12s55	4n40	21s11	0s22	24s 2	1s22	9s29	0n55	22s14	0n24	17s53	1s 9	11s18	0n30	17s 2	1n41	7n56	12s35	21s54	21s55	8n36	14n55	3s11

Julian Day Number = 2319996.5, Delta T = 50.50 sec
Ecliptic obliquity = 23°29'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'48, Lahiri = 18°49'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1639
geocentric

DECEMBER 1639 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 38 26	8♐42'41	23♒51	4♐44	14°R46	27♎25	15♐ 3	13♒37	0♏52	23♏30	0°R15	9♐24	9♐29	11♈42	20°R45	T 1
F 2	4 42 22	9°43'38	6♓ 4	6°18	14♐11	28° 3	15°17	13°41	0°55	23°32	0♊14	9°24	9°25	11°49	20♉42	F 2
S 3	4 46 19	10°44'36	18° 6	7°52	13°35	28°42	15°31	13°46	0°58	23°34	0°13	9°24	9°22	11°56	20°39	S 3
S 4	4 50 15	11°45'35	29°59	9°27	12°59	29°21	15°44	13°50	1° 1	23°36	0°12	9°25	9°19	12° 2	20°36	S 4
M 5	4 54 12	12°46'34	11♈50	11° 1	12°23	29°59	15°58	13°55	1° 4	23°38	0°11	9°25	9°16	12° 9	20°33	M 5
T 6	4 58 8	13°47'34	23°43	12°35	11°46	0♏38	16°11	13°59	1° 7	23°41	0°10	9°25	9°13	12°16	20°30	T 6
W 7	5 2 5	14°48'34	5♉41	14° 9	11°10	1°17	16°25	14° 4	1°10	23°43	0° 9	9°26	9° 9	12°22	20°27	W 7
T 8	5 6 1	15°49'35	17°47	15°44	10°34	1°55	16°39	14° 9	1°13	23°45	0° 8	9°26	9° 6	12°29	20°24	T 8
F 9	5 9 58	16°50'37	0♊ 5	17°18	10° 0	2°34	16°52	14°14	1°16	23°47	0° 6	9°27	9° 3	12°36	20°21	F 9
S 10	5 13 55	17°51'40	12°36	18°53	9°26	3°13	17° 6	14°19	1°19	23°49	0° 5	9°R27	9° 0	12°43	20°18	S 10
S 11	5 17 51	18°52'43	25°21	20°27	8°53	3°51	17°20	14°24	1°22	23°51	0° 4	9°27	8°57	12°49	20°16	S 11
M12	5 21 48	19°53'47	8♋21	22° 2	8°22	4°30	17°33	14°29	1°24	23°53	0° 3	9°26	8°54	12°56	20°13	M12
T 13	5 25 44	20°54'52	21°34	23°37	7°53	5° 9	17°47	14°34	1°27	23°55	0° 2	9°24	8°50	13° 3	20°10	T 13
W14	5 29 41	21°55'57	5♌ 1	25°12	7°25	5°47	18° 1	14°39	1°30	23°57	0° 1	9°23	8°47	13° 9	20° 7	W14
T 15	5 33 37	22°57'03	18°39	26°47	7° 0	6°26	18°14	14°45	1°33	23°59	0° 0	9°21	8°44	13°16	20° 5	T 15
F 16	5 37 34	23°58'10	2♍29	28°23	6°37	7° 5	18°28	14°50	1°35	24° 1	29♉59	9°19	8°41	13°23	20° 2	F 16
S 17	5 41 31	24°59'18	16°28	29°59	6°16	7°43	18°41	14°55	1°38	24° 3	29°58	9°19	8°38	13°29	19°59	S 17
S 18	5 45 27	26° 0'26	0♎34	1♏34	5°57	8°22	18°55	15° 1	1°41	24° 5	29°57	9°D18	8°35	13°36	19°57	S 18
M19	5 49 24	27° 1'35	14°47	3°10	5°40	9° 1	19° 9	15° 6	1°43	24° 7	29°56	9°19	8°31	13°43	19°54	M19
T 20	5 53 20	28° 2'45	29° 4	4°47	5°26	9°39	19°22	15°12	1°46	24° 9	29°55	9°20	8°28	13°50	19°52	T 20
W21	5 57 17	29° 3'55	13♏22	6°23	5°15	10°18	19°36	15°18	1°48	24°11	29°54	9°22	8°25	13°56	19°50	W21
T 22	6 1 13	0♏ 5'06	27°38	8° 0	5° 6	10°57	19°49	15°23	1°51	24°13	29°53	9°23	8°22	14° 3	19°47	T 22
F 23	6 5 10	1° 6'17	11♐48	9°36	5° 0	11°36	20° 3	15°29	1°53	24°15	29°52	9°R23	8°19	14°10	19°45	F 23
S 24	6 9 6	2° 7'29	25°49	11°13	4°56	12°14	20°17	15°35	1°55	24°17	29°51	9°22	8°15	14°16	19°43	S 24
S 25	6 13 3	3° 8'41	9♏35	12°50	4°D54	12°53	20°30	15°41	1°58	24°19	29°50	9°20	8°12	14°23	19°41	S 25
M26	6 17 0	4° 9'53	23° 5	14°28	4°55	13°32	20°44	15°47	2° 0	24°21	29°49	9°17	8° 9	14°30	19°38	M26
T 27	6 20 56	5°11'05	6♒15	16° 5	4°58	14°11	20°57	15°53	2° 2	24°23	29°48	9°13	8° 6	14°36	19°36	T 27
W28	6 24 53	6°12'17	19° 6	17°42	5° 4	14°49	21°11	15°59	2° 4	24°24	29°47	9° 8	8° 3	14°43	19°34	W28
T 29	6 28 49	7°13'29	1♓38	19°19	5°12	15°28	21°24	16° 5	2° 6	24°26	29°47	9° 4	8° 0	14°50	19°32	T 29
F 30	6 32 46	8°14'40	13°53	20°56	5°22	16° 7	21°37	16°11	2° 8	24°28	29°46	9° 0	7°56	14°57	19°31	F 30
S 31	6 36 42	9♏15'51	25♓56	22♏32	5♐35	16♏46	21♐51	16♒18	2♏10	24♏30	29♉45	8♐58	7♐53	15♈ 3	19♉29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s48	8s47	5n 6	21s36	0s29	23s43	1s 7	9s43	0n55	22s15	0n23	17s52	1s 9	11s19	0n30	17s 3	1n41	7n56	12s35	21s54	21s55	8n39	14n54	3s11
F 2	21 57	4 23	5 17	21 59	0 35	23 24	0 52	9 57	0 55	22 17	0 23	17 51	1 9	11 20	0 30	17 3	1 41	7 56	12 35	21 54	21 54	8 41	14 53	3 11
S 3	22 6	0n 6	5 14	22 21	0 41	23 4	0 36	10 11	0 54	22 19	0 23	17 49	1 8	11 21	0 30	17 4	1 41	7 56	12 34	21 54	21 54	8 43	14 52	3 12
S 4	22 14	4 32	4 57	22 41	0 47	22 44	0 21	10 25	0 54	22 20	0 23	17 48	1 8	11 22	0 30	17 4	1 41	7 55	12 34	21 54	21 53	8 45	14 51	3 12
M 5	22 22	8 48	4 28	23 1	0 53	22 24	0 5	10 39	0 54	22 22	0 23	17 47	1 8	11 24	0 30	17 5	1 41	7 55	12 34	21 54	21 53	8 47	14 51	3 12
T 6	22 30	12 45	3 48	23 20	0 59	22 4	0n11	10 53	0 53	22 23	0 23	17 45	1 8	11 25	0 30	17 6	1 41	7 55	12 34	21 54	21 52	8 50	14 50	3 12
W 7	22 37	16 13	2 57	23 37	1 5	21 44	0 26	11 7	0 53	22 25	0 23	17 44	1 8	11 26	0 30	17 6	1 41	7 55	12 34	21 54	21 52	8 52	14 49	3 12
T 8	22 44	19 3	1 57	23 53	1 11	21 23	0 42	11 20	0 53	22 26	0 23	17 42	1 8	11 27	0 30	17 7	1 41	7 55	12 34	21 55	21 51	8 54	14 48	3 12
F 9	22 50	21 3	0 52	24 8	1 16	21 3	0 57	11 34	0 52	22 28	0 23	17 41	1 8	11 28	0 30	17 7	1 41	7 55	12 34	21 55	21 51	8 56	14 47	3 12
S 10	22 56	22 4	0s17	24 22	1 21	20 43	1 12	11 47	0 52	22 29	0 23	17 39	1 8	11 29	0 31	17 8	1 41	7 55	12 34	21 55	21 50	8 58	14 47	3 12
S 11	23 1	21 57	1 27	24 35	1 26	20 24	1 27	12 1	0 52	22 30	0 23	17 38	1 8	11 30	0 31	17 8	1 41	7 55	12 34	21 55	21 50	9 0	14 46	3 12
M12	23 6	20 40	2 33	24 46	1 31	20 5	1 41	12 14	0 51	22 32	0 22	17 36	1 8	11 31	0 31	17 9	1 41	7 55	12 33	21 54	21 50	9 3	14 45	3 12
T 13	23 10	18 15	3 33	24 55	1 36	19 47	1 55	12 28	0 51	22 33	0 22	17 35	1 8	11 31	0 31	17 9	1 41	7 55	12 33	21 54	21 49	9 5	14 45	3 12
W14	23 14	14 49	4 21	25 4	1 40	19 29	2 8	12 41	0 51	22 34	0 22	17 33	1 8	11 32	0 31	17 10	1 41	7 54	12 33	21 54	21 49	9 7	14 44	3 12
T 15	23 18	10 34	4 56	25 11	1 44	19 12	2 21	12 54	0 50	22 36	0 22	17 32	1 8	11 33	0 31	17 10	1 41	7 54	12 33	21 54	21 48	9 9	14 43	3 12
F 16	23 21	5 43	5 14	25 17	1 48	18 56	2 34	13 7	0 50	22 37	0 22	17 30	1 8	11 34	0 31	17 10	1 42	7 54	12 33	21 53	21 48	9 11	14 42	3 11
S 17	23 23	0 32	5 14	25 21	1 52	18 40	2 46	13 20	0 49	22 38	0 22	17 29	1 8	11 35	0 31	17 11	1 42	7 54	12 33	21 53	21 47	9 13	14 42	3 11
S 18	23 25	4s44	4 55	25 24	1 55	18 26	2 57	13 33	0 49	22 39	0 22	17 27	1 8	11 36	0 31	17 11	1 42	7 54	12 33	21 53	21 47	9 16	14 41	3 11
M19	23 27	9 48	4 18	25 25	1 58	18 12	3 8	13 46	0 49	22 41	0 22	17 25	1 8	11 37	0 31	17 12	1 42	7 54	12 33	21 53	21 46	9 18	14 41	3 11
T 20	23 28	14 21	3 25	25 25	2 1	18 0	3 18	13 58	0 48	22 42	0 22	17 24	1 8	11 38	0 31	17 12	1 42	7 54	12 32	21 54	21 46	9 20	14 40	3 11
W21	23 29	18 5	2 19	25 23	2 3	17 48	3 28	14 11	0 48	22 43	0 22	17 22	1 8	11 39	0 31	17 13	1 42	7 54	12 32	21 54	21 45	9 22	14 39	3 11
T 22	23 29	20 43	1 4	25 20	2 5	17 37	3 37	14 23	0 47	22 44	0 22	17 20	1 8	11 39	0 31	17 13	1 42	7 54	12 32	21 54	21 45	9 24	14 39	3 11
F 23	23 29	22 2	0n13	25 15	2 7	17 28	3 46	14 36	0 47	22 45	0 22	17 18	1 8	11 40	0 31	17 14	1 42	7 54	12 32	21 54	21 44	9 26	14 38	3 11
S 24	23 28	21 56	1 29	25 8	2 8	17 19	3 54	14 48	0 46	22 46	0 21	17 17	1 8	11 41	0 31	17 14	1 42	7 54	12 32	21 54	21 44	9 28	14 38	3 11
S 25	23 27	20 30	2 39	25 0	2 9	17 12	4 2	15 0	0 46	22 47	0 21	17 15	1 8	11 42	0 31	17 14	1 42	7 54	12 31	21 54	21 43	9 31	14 37	3 11
M26	23 25	17 56	3 38	24 51	2 10	17 5	4 9	15 12	0 46	22 48	0 21	17 13	1 8	11 43	0 31	17 15	1 42	7 54	12 31	21 53	21 43	9 33	14 37	3 11
T 27	23 23	14 30	4 23	24 39	2 10	16 59	4 15	15 24	0 45	22 49	0 21	17 11	1 8	11 43	0 31	17 15	1 42	7 54	12 31	21 52	21 42	9 35	14 36	3 11
W28	23 20	10 28	4 54	24 27	2 9	16 54	4 21	15 36	0 45	22 50	0 21	17 9	1 8	11 44	0 31	17 16	1 42	7 54	12 31	21 52	21 41	9 37	14 36	3 11
T 29	23 17	6 5	5 11	24 12	2 8	16 50	4 26	15 48	0 44	22 51	0 21	17 8	1 8	11 45	0 31	17 16	1 42	7 54	12 31	21 51	21 41	9 39	14 35	3 11
F 30	23 14	1 33	5 12	23 56	2 7	16 47	4 31	16 0	0 44	22 52	0 21	17 6	1 8	11 45	0 31	17 16	1 42	7 54	12 31	21 51	21 40	9 41	14 35	3 11
S 31	23s10	2n58	5n 0	23s39	2s 5	16s45	4n36	16s11	0n43	22s53	0n21	17s 4	1s 8	11s46	0n31	17s17	1n42	7n54	12s30	21s50	21s40	9n43	14n34	3s11

Julian Day Number = 2320026.5, Delta T = 50.44 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'52, Lahiri = 18°49'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

JANUARY 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 40 39	10♉17'02	7♈50	24♉ 8	5♐49	17♏24	22♐ 4	16♒24	2♏12	24♏31	29°R44	8°D57	7♐50	15♈10	19°R27	S 1
M 2	6 44 35	11°18'12	19°41	25°44	6° 6	18° 3	22°17	16°30	2°14	24°33	29♑43	8♐57	7°47	15°17	19♑25	M 2
T 3	6 48 32	12°19'22	1♑33	27°19	6°24	18°42	22°31	16°37	2°16	24°35	29°42	8°59	7°44	15°23	19°24	T 3
W 4	6 52 29	13°20'32	13°31	28°53	6°45	19°20	22°44	16°43	2°18	24°36	29°42	9° 0	7°41	15°30	19°22	W 4
T 5	6 56 25	14°21'41	25°41	0♒25	7° 8	19°59	22°57	16°49	2°20	24°38	29°41	9° 2	7°37	15°37	19°20	T 5
F 6	7 0 22	15°22'49	8♊ 5	1°56	7°32	20°38	23°10	16°56	2°21	24°40	29°40	9°R 3	7°34	15°43	19°19	F 6
S 7	7 4 18	16°23'57	20°47	3°25	7°58	21°17	23°24	17° 2	2°23	24°41	29°39	9° 2	7°31	15°50	19°17	S 7
S 8	7 8 15	17°25'05	3♋50	4°52	8°26	21°55	23°37	17° 9	2°25	24°43	29°39	9° 0	7°28	15°57	19°16	S 8
M 9	7 12 11	18°26'12	17°12	6°16	8°55	22°34	23°50	17°16	2°26	24°44	29°38	8°55	7°25	16° 4	19°15	M 9
T 10	7 16 8	19°27'19	0♌52	7°37	9°26	23°13	24° 3	17°22	2°28	24°46	29°37	8°49	7°21	16°10	19°14	T 10
W11	7 20 4	20°28'25	14°48	8°54	9°59	23°52	24°16	17°29	2°29	24°47	29°37	8°42	7°18	16°17	19°12	W11
T 12	7 24 1	21°29'31	28°54	10° 7	10°33	24°30	24°29	17°36	2°31	24°49	29°36	8°35	7°15	16°24	19°11	T 12
F 13	7 27 58	22°30'36	13♍ 7	11°14	11° 8	25° 9	24°42	17°42	2°32	24°50	29°35	8°29	7°12	16°30	19°10	F 13
S 14	7 31 54	23°31'41	27°23	12°15	11°45	25°48	24°54	17°49	2°33	24°51	29°35	8°24	7° 9	16°37	19° 9	S 14
S 15	7 35 51	24°32'46	11♎36	13°10	12°23	26°26	25° 7	17°56	2°34	24°53	29°34	8°21	7° 6	16°44	19° 9	S 15
M16	7 39 47	25°33'50	25°46	13°56	13° 3	27° 5	25°20	18° 3	2°36	24°54	29°33	8°D20	7° 2	16°50	19° 8	M16
T 17	7 43 44	26°34'54	9♏50	14°35	13°43	27°44	25°33	18°10	2°37	24°56	29°33	8°21	6°59	16°57	19° 7	T 17
W18	7 47 40	27°35'58	23°47	15° 3	14°25	28°23	25°45	18°17	2°38	24°57	29°32	8°22	6°56	17° 4	19° 6	W18
T 19	7 51 37	28°37'01	7♐37	15°22	15° 8	29° 1	25°58	18°24	2°39	24°58	29°32	8°R23	6°53	17°10	19° 6	T 19
F 20	7 55 33	29°38'04	21°19	15°R29	15°52	29°40	26°11	18°31	2°40	24°59	29°31	8°22	6°50	17°17	19° 5	F 20
S 21	7 59 30	0♒39'06	4♑52	15°26	16°37	0♐19	26°23	18°38	2°41	25° 0	29°31	8°19	6°47	17°24	19° 5	S 21
S 22	8 3 27	1°40'07	18°14	15°11	17°23	0°58	26°36	18°45	2°42	25° 2	29°30	8°13	6°43	17°31	19° 4	S 22
M23	8 7 23	2°41'08	1♒25	14°44	18° 9	1°36	26°48	18°52	2°43	25° 3	29°30	8° 5	6°40	17°37	19° 4	M23
T 24	8 11 20	3°42'07	14°21	14° 7	18°57	2°15	27° 0	18°59	2°43	25° 4	29°30	7°55	6°37	17°44	19° 4	T 24
W25	8 15 16	4°43'06	27° 3	13°20	19°46	2°54	27°12	19° 6	2°44	25° 5	29°29	7°44	6°34	17°51	19° 3	W25
T 26	8 19 13	5°44'03	9♓30	12°24	20°35	3°32	27°25	19°13	2°45	25° 6	29°29	7°33	6°31	17°57	19° 3	T 26
F 27	8 23 9	6°44'59	21°43	11°20	21°25	4°11	27°37	19°20	2°45	25° 7	29°28	7°23	6°27	18° 4	19°D 3	F 27
S 28	8 27 6	7°45'53	3♈45	10°11	22°16	4°50	27°49	19°27	2°46	25° 8	29°28	7°16	6°24	18°11	19° 3	S 28
S 29	8 31 2	8°46'47	15°39	8°59	23° 8	5°29	28° 1	19°34	2°46	25° 9	29°28	7°10	6°21	18°17	19° 3	S 29
M30	8 34 59	9°47'39	27°28	7°46	24° 0	6° 7	28°13	19°41	2°47	25°10	29°27	7° 7	6°18	18°24	19° 3	M30
T 31	8 38 56	10♒48'29	9♑18	6♒33	24♐53	6♐46	28♐25	19♒48	2♏47	25♏11	29♑27	7°D 6	6♐15	18♈31	19♑ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 5	7n19	4n34	23s19	2s 2	16s44	4n40	16s23	0n43	22s54	0n21	17s 2	1s 8	11s47	0n31	17s17	1n42	7n54	12s30	21s50	21s39	9n45	14n34	3s11
M 2	23 0	11 23	3 58	22 59	1 59	16 43	4 43	16 34	0 42	22 55	0 21	17 0	1 8	11 47	0 31	17 18	1 42	7 54	12 30	21 50	21 39	9 48	14 34	3 11
T 3	22 55	15 1	3 11	22 37	1 55	16 43	4 46	16 45	0 42	22 56	0 21	16 58	1 8	11 48	0 31	17 18	1 42	7 54	12 30	21 50	21 38	9 50	14 33	3 11
W 4	22 49	18 4	2 15	22 13	1 50	16 44	4 49	16 56	0 41	22 56	0 21	16 56	1 8	11 49	0 31	17 18	1 42	7 54	12 29	21 51	21 38	9 52	14 33	3 10
T 5	22 43	20 23	1 12	21 48	1 44	16 45	4 51	17 7	0 41	22 57	0 21	16 54	1 8	11 49	0 31	17 19	1 42	7 54	12 29	21 51	21 37	9 54	14 32	3 10
F 6	22 36	21 47	0 5	21 22	1 38	16 47	4 53	17 18	0 40	22 58	0 21	16 52	1 8	11 50	0 31	17 19	1 42	7 54	12 29	21 51	21 37	9 56	14 32	3 10
S 7	22 29	22 6	1s 4	20 54	1 31	16 50	4 55	17 29	0 40	22 59	0 20	16 50	1 8	11 50	0 31	17 19	1 42	7 55	12 29	21 51	21 36	9 58	14 32	3 10
S 8	22 21	21 15	2 11	20 26	1 23	16 53	4 56	17 39	0 39	22 59	0 20	16 48	1 8	11 51	0 31	17 20	1 42	7 55	12 29	21 50	21 36	10 0	14 32	3 10
M 9	22 13	19 12	3 12	19 57	1 15	16 56	4 57	17 50	0 39	23 0	0 20	16 46	1 8	11 51	0 31	17 20	1 42	7 55	12 28	21 50	21 35	10 2	14 31	3 10
T 10	22 4	16 2	4 4	19 27	1 5	17 0	4 58	18 0	0 38	23 1	0 20	16 44	1 8	11 52	0 31	17 20	1 42	7 55	12 28	21 49	21 35	10 4	14 31	3 10
W11	21 55	11 55	4 43	18 56	0 54	17 5	4 58	18 10	0 38	23 1	0 20	16 42	1 8	11 52	0 31	17 21	1 42	7 55	12 28	21 48	21 34	10 6	14 31	3 10
T 12	21 46	7 7	5 4	18 26	0 43	17 9	4 58	18 20	0 37	23 2	0 20	16 40	1 8	11 53	0 31	17 21	1 42	7 55	12 28	21 47	21 34	10 9	14 31	3 10
F 13	21 36	1 54	5 8	17 55	0 30	17 14	4 58	18 30	0 36	23 3	0 20	16 38	1 8	11 53	0 31	17 21	1 43	7 55	12 27	21 46	21 33	10 11	14 31	3 10
S 14	21 26	3s25	4 52	17 25	0 17	17 20	4 57	18 40	0 36	23 3	0 20	16 36	1 8	11 54	0 31	17 22	1 43	7 55	12 27	21 45	21 33	10 13	14 30	3 10
S 15	21 15	8 34	4 19	16 56	0 2	17 25	4 56	18 49	0 35	23 4	0 20	16 34	1 8	11 54	0 31	17 22	1 43	7 55	12 27	21 44	21 32	10 15	14 30	3 9
M16	21 4	13 13	3 29	16 28	0n13	17 31	4 55	18 59	0 35	23 4	0 20	16 32	1 8	11 55	0 31	17 22	1 43	7 55	12 27	21 44	21 32	10 17	14 30	3 9
T 17	20 53	17 7	2 28	16 1	0 29	17 37	4 54	19 8	0 34	23 5	0 20	16 30	1 8	11 55	0 31	17 22	1 43	7 56	12 26	21 44	21 31	10 19	14 30	3 9
W18	20 41	20 1	1 18	15 37	0 46	17 44	4 53	19 18	0 33	23 5	0 20	16 28	1 8	11 55	0 31	17 23	1 43	7 56	12 26	21 45	21 31	10 21	14 30	3 9
T 19	20 29	21 41	0 4	15 15	1 4	17 50	4 51	19 27	0 33	23 6	0 20	16 26	1 8	11 56	0 31	17 23	1 43	7 56	12 26	21 45	21 30	10 23	14 30	3 9
F 20	20 16	22 3	1n 9	14 55	1 22	17 56	4 49	19 36	0 32	23 6	0 20	16 23	1 8	11 56	0 31	17 23	1 43	7 56	12 26	21 45	21 29	10 25	14 30	3 9
S 21	20 3	21 6	2 17	14 39	1 40	18 3	4 47	19 44	0 32	23 7	0 20	16 21	1 8	11 56	0 31	17 23	1 43	7 56	12 25	21 44	21 29	10 27	14 30	3 9
S 22	19 50	18 59	3 17	14 26	1 58	18 10	4 45	19 53	0 31	23 7	0 19	16 19	1 8	11 56	0 31	17 24	1 43	7 56	12 25	21 43	21 28	10 29	14 30	3 9
M23	19 36	15 54	4 5	14 17	2 15	18 16	4 42	20 2	0 30	23 7	0 19	16 17	1 8	11 57	0 31	17 24	1 43	7 57	12 25	21 42	21 28	10 31	14 30	3 9
T 24	19 22	12 6	4 39	14 12	2 32	18 23	4 40	20 10	0 30	23 8	0 19	16 15	1 8	11 57	0 31	17 24	1 43	7 57	12 24	21 40	21 27	10 33	14 30	3 8
W25	19 7	7 50	4 59	14 11	2 47	18 29	4 37	20 18	0 29	23 8	0 19	16 13	1 8	11 57	0 31	17 24	1 43	7 57	12 24	21 38	21 27	10 35	14 30	3 8
T 26	18 52	3 19	5 4	14 13	3 1	18 36	4 34	20 26	0 28	23 8	0 19	16 10	1 9	11 57	0 31	17 24	1 43	7 57	12 24	21 37	21 26	10 37	14 30	3 8
F 27	18 37	1n14	4 55	14 18	3 14	18 42	4 31	20 34	0 28	23 9	0 19	16 8	1 9	11 58	0 31	17 25	1 43	7 57	12 24	21 35	21 26	10 39	14 30	3 8
S 28	18 22	5 40	4 33	14 27	3 24	18 48	4 28	20 42	0 27	23 9	0 19	16 6	1 9	11 58	0 31	17 25	1 43	7 58	12 23	21 34	21 25	10 41	14 30	3 8
S 29	18 6	9 51	3 59	14 38	3 32	18 54	4 24	20 50	0 26	23 9	0 19	16 4	1 9	11 58	0 31	17 25	1 43	7 58	12 23	21 33	21 25	10 43	14 30	3 8
M30	17 50	13 38	3 15	14 52	3 37	19 0	4 21	20 57	0 26	23 9	0 19	16 2	1 9	11 58	0 31	17 25	1 43	7 58	12 23	21 32	21 24	10 45	14 30	3 8
T 31	17s33	16n53	2n23	15s 7	3n40	19s 6	4n17	21s 4	0n25	23s10	0n19	15s59	1s 9	11s58	0n31	17s25	1n43	7n58	12s23	21s32	21s24	10n47	14n31	3s 8

Julian Day Number = 2320057.5, Delta T = 50.38 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°42'56, Lahiri = 18°49'57Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

FEBRUARY 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 42 52	11♒49'18	21♉15	5°R23	25♐47	7♐24	28♐36	19♒56	2♏47	25♏12	29°R27	7♐ 6	6♐12	18♈37	19♉ 4	W 1
T 2	8 46 49	12°50'06	3♊23	4♒18	26°41	8° 3	28°48	20° 3	2°48	25°12	29♉27	7°R 7	6° 8	18°44	19° 4	T 2
F 3	8 50 45	13°50'52	15°47	3°18	27°36	8°42	29° 0	20°10	2°48	25°13	29°26	7° 7	6° 5	18°51	19° 5	F 3
S 4	8 54 42	14°51'37	28°33	2°25	28°31	9°20	29°11	20°17	2°48	25°14	29°26	7° 5	6° 2	18°57	19° 5	S 4
S 5	8 58 38	15°52'20	11♋44	1°39	29°27	9°59	29°23	20°24	2°48	25°15	29°26	7° 0	5°59	19° 4	19° 6	S 5
M 6	9 2 35	16°53'02	25°20	1° 2	0♑24	10°38	29°34	20°32	2°R48	25°15	29°26	6°53	5°56	19°11	19° 7	M 6
T 7	9 6 32	17°53'42	9♌21	0°32	1°21	11°16	29°45	20°39	2°48	25°16	29°26	6°43	5°53	19°18	19° 7	T 7
W 8	9 10 28	18°54'20	23°42	0°11	2°19	11°55	29°56	20°46	2°48	25°17	29°26	6°32	5°49	19°24	19° 8	W 8
T 9	9 14 25	19°54'57	8♍17	29♑57	3°17	12°33	0♑ 7	20°53	2°48	25°17	29°26	6°20	5°46	19°31	19° 9	T 9
F 10	9 18 21	20°55'33	22°59	29°D51	4°15	13°12	0°18	21° 1	2°48	25°18	29°25	6°10	5°43	19°38	19°10	F 10
S 11	9 22 18	21°56'07	7♎41	29°52	5°14	13°51	0°29	21° 8	2°47	25°18	29°25	6° 2	5°40	19°44	19°11	S 11
S 12	9 26 14	22°56'41	22°14	0♒ 0	6°14	14°29	0°40	21°15	2°47	25°19	29°D25	5°56	5°37	19°51	19°12	S 12
M13	9 30 11	23°57'12	6♏35	0°14	7°13	15° 8	0°51	21°22	2°47	25°19	29°25	5°53	5°33	19°58	19°13	M13
T 14	9 34 7	24°57'43	20°41	0°35	8°14	15°46	1° 2	21°29	2°46	25°20	29°25	5°D52	5°30	20° 4	19°14	T 14
W15	9 38 4	25°58'13	4♐32	1° 1	9°14	16°25	1°12	21°37	2°46	25°20	29°26	5°R52	5°27	20°11	19°15	W15
T 16	9 42 0	26°58'41	18° 8	1°31	10°15	17° 3	1°23	21°44	2°45	25°20	29°26	5°51	5°24	20°18	19°17	T 16
F 17	9 45 57	27°59'08	1♑31	2° 7	11°17	17°42	1°33	21°51	2°45	25°21	29°26	5°49	5°21	20°24	19°18	F 17
S 18	9 49 54	28°59'33	14°41	2°47	12°18	18°20	1°43	21°58	2°44	25°21	29°26	5°45	5°18	20°31	19°20	S 18
S 19	9 53 50	29°59'57	27°40	3°31	13°20	18°59	1°53	22° 6	2°44	25°21	29°26	5°37	5°14	20°38	19°21	S 19
M20	9 57 47	1♓ 0'19	10♒29	4°19	14°23	19°37	2° 4	22°13	2°43	25°21	29°26	5°26	5°11	20°44	19°23	M20
T 21	10 1 43	2° 0'40	23° 7	5°10	15°25	20°16	2°13	22°20	2°42	25°21	29°26	5°13	5° 8	20°51	19°24	T 21
W22	10 5 40	3° 0'59	5♓34	6° 5	16°28	20°54	2°23	22°27	2°41	25°22	29°26	4°59	5° 5	20°58	19°26	W22
T 23	10 9 36	4° 1'16	17°50	7° 2	17°32	21°32	2°33	22°34	2°40	25°22	29°27	4°44	5° 2	21° 4	19°28	T 23
F 24	10 13 33	5° 1'31	29°56	8° 2	18°35	22°11	2°43	22°41	2°39	25°22	29°27	4°31	4°58	21°11	19°30	F 24
S 25	10 17 29	6° 1'44	11♈54	9° 5	19°39	22°49	2°52	22°48	2°38	25°22	29°27	4°20	4°55	21°18	19°31	S 25
S 26	10 21 26	7° 1'56	23°45	10°10	20°43	23°27	3° 2	22°56	2°37	25°R22	29°27	4°12	4°52	21°25	19°33	S 26
M27	10 25 23	8° 2'05	5♉33	11°17	21°47	24° 6	3°11	23° 3	2°36	25°22	29°28	4° 7	4°49	21°31	19°35	M27
T 28	10 29 19	9° 2'12	17°22	12°27	22°52	24°44	3°20	23°10	2°35	25°22	29°28	4° 4	4°46	21°38	19°38	T 28
W29	10 33 16	10♓ 2'18	29♉16	13♒38	23♑56	25♐22	3♑29	23♒17	2♏34	25♏22	29♉28	4♐ 3	4♐43	21♈45	19♉40	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s17	19n27	1n24	15s24	3n40	19s12	4n14	21s12	0n24	23s10	0n19	15s57	1s 9	11s58	0n32	17s25	1n43	7n58	12s22	21s32	21s23	10n49	14n31	3s 8
T 2	16 59	21 12	0 20	15 41	3 39	19 17	4 10	21 18	0 23	23 10	0 19	15 55	1 9	11 58	0 32	17 26	1 44	7 59	12 22	21 32	21 22	10 51	14 31	3 7
F 3	16 42	21 58	0s46	15 58	3 35	19 22	4 6	21 25	0 23	23 10	0 19	15 53	1 9	11 58	0 32	17 26	1 44	7 59	12 22	21 32	21 22	10 54	14 31	3 7
S 4	16 24	21 37	1 52	16 16	3 29	19 27	4 2	21 32	0 22	23 10	0 19	15 50	1 9	11 58	0 32	17 26	1 44	7 59	12 21	21 32	21 21	10 56	14 32	3 7
S 5	16 7	20 6	2 53	16 33	3 22	19 31	3 58	21 38	0 21	23 10	0 19	15 48	1 9	11 58	0 32	17 26	1 44	7 59	12 21	21 31	21 21	10 58	14 32	3 7
M 6	15 48	17 24	3 47	16 50	3 13	19 36	3 53	21 45	0 20	23 11	0 19	15 46	1 9	11 58	0 32	17 26	1 44	8 0	12 21	21 30	21 20	11 0	14 32	3 7
T 7	15 30	13 38	4 28	17 5	3 3	19 40	3 49	21 51	0 20	23 11	0 18	15 44	1 9	11 58	0 32	17 26	1 44	8 0	12 21	21 28	21 20	11 2	14 32	3 7
W 8	15 11	9 1	4 54	17 20	2 53	19 43	3 45	21 57	0 19	23 11	0 18	15 41	1 9	11 58	0 32	17 26	1 44	8 0	12 20	21 26	21 19	11 4	14 33	3 7
T 9	14 52	3 49	5 1	17 34	2 41	19 46	3 40	22 3	0 18	23 11	0 18	15 39	1 9	11 58	0 32	17 26	1 44	8 0	12 20	21 25	21 19	11 6	14 33	3 7
F 10	14 33	1s38	4 49	17 47	2 29	19 49	3 36	22 9	0 17	23 11	0 18	15 37	1 9	11 58	0 32	17 26	1 44	8 1	12 20	21 23	21 18	11 7	14 33	3 6
S 11	14 13	6 59	4 17	17 59	2 17	19 52	3 31	22 14	0 16	23 11	0 18	15 35	1 9	11 58	0 32	17 27	1 44	8 1	12 19	21 21	21 17	11 9	14 34	3 6
S 12	13 54	11 54	3 29	18 9	2 5	19 54	3 27	22 19	0 15	23 11	0 18	15 32	1 9	11 58	0 32	17 27	1 44	8 1	12 19	21 20	21 17	11 11	14 34	3 6
M13	13 34	16 4	2 28	18 18	1 53	19 56	3 22	22 25	0 15	23 11	0 18	15 30	1 9	11 58	0 32	17 27	1 44	8 2	12 19	21 20	21 16	11 13	14 35	3 6
T 14	13 14	19 14	1 19	18 26	1 40	19 57	3 17	22 30	0 14	23 11	0 18	15 28	1 10	11 58	0 32	17 27	1 44	8 2	12 18	21 20	21 16	11 15	14 35	3 6
W15	12 53	21 12	0 7	18 33	1 28	19 58	3 12	22 35	0 13	23 11	0 18	15 26	1 10	11 57	0 32	17 27	1 44	8 2	12 18	21 20	21 15	11 17	14 35	3 6
T 16	12 33	21 53	1n 4	18 38	1 16	19 58	3 8	22 39	0 12	23 11	0 18	15 23	1 10	11 57	0 32	17 27	1 44	8 2	12 18	21 19	21 15	11 19	14 36	3 6
F 17	12 12	21 17	2 11	18 42	1 3	19 58	3 3	22 44	0 11	23 11	0 18	15 21	1 10	11 57	0 32	17 27	1 44	8 3	12 18	21 19	21 14	11 21	14 36	3 6
S 18	11 51	19 32	3 10	18 44	0 52	19 58	2 58	22 48	0 10	23 11	0 18	15 19	1 10	11 57	0 32	17 27	1 44	8 3	12 17	21 18	21 13	11 23	14 37	3 6
S 19	11 30	16 47	3 57	18 45	0 40	19 57	2 53	22 52	0 9	23 11	0 18	15 16	1 10	11 57	0 32	17 27	1 44	8 3	12 17	21 17	21 13	11 25	14 37	3 5
M20	11 8	13 17	4 32	18 45	0 29	19 55	2 48	22 56	0 8	23 10	0 18	15 14	1 10	11 56	0 32	17 27	1 45	8 4	12 17	21 15	21 12	11 27	14 38	3 5
T 21	10 47	9 13	4 53	18 43	0 18	19 54	2 43	23 0	0 7	23 10	0 18	15 12	1 10	11 56	0 32	17 27	1 45	8 4	12 16	21 13	21 12	11 29	14 38	3 5
W22	10 25	4 51	5 0	18 41	0 7	19 51	2 38	23 4	0 7	23 10	0 18	15 10	1 10	11 56	0 32	17 27	1 45	8 4	12 16	21 10	21 11	11 31	14 39	3 5
T 23	10 3	0 20	4 52	18 36	0s 3	19 48	2 33	23 7	0 6	23 10	0 18	15 7	1 10	11 55	0 32	17 27	1 45	8 5	12 16	21 8	21 11	11 33	14 40	3 5
F 24	9 41	4n 7	4 31	18 30	0 13	19 45	2 28	23 11	0 5	23 10	0 17	15 5	1 10	11 55	0 32	17 27	1 45	8 5	12 16	21 5	21 10	11 35	14 40	3 5
S 25	9 19	8 22	3 59	18 23	0 23	19 41	2 23	23 14	0 4	23 10	0 17	15 3	1 10	11 55	0 32	17 27	1 45	8 5	12 15	21 3	21 9	11 37	14 41	3 5
S 26	8 57	12 16	3 16	18 15	0 32	19 37	2 18	23 17	0 3	23 10	0 17	15 1	1 10	11 54	0 32	17 27	1 45	8 6	12 15	21 2	21 9	11 39	14 41	3 5
M27	8 34	15 40	2 25	18 5	0 41	19 32	2 13	23 20	0 2	23 10	0 17	14 58	1 11	11 54	0 32	17 27	1 45	8 6	12 15	21 1	21 8	11 41	14 42	3 5
T 28	8 12	18 26	1 27	17 54	0 50	19 27	2 8	23 22	0 1	23 9	0 17	14 56	1 11	11 54	0 32	17 26	1 45	8 6	12 14	21 0	21 8	11 43	14 43	3 4
W29	7s49	20n27	0n25	17s41	0s58	19s21	2n 3	23s25	0s 0	23s 9	0n17	14s54	1s11	11s53	0n32	17s26	1n45	8n 7	12s14	21s 0	21s 7	11n45	14n43	3s 4

Julian Day Number = 2320088.5, Delta T = 50.32 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'00, Lahiri = 18°50'01Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1640
geocentric

MARCH 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 37 12	11♓ 2'21	11♊21	14♒51	25♑ 1	26♐ 1	3♑38	23♒24	2°R33	25°R22	29♉29	4°R 3	4♐39	21♈51	19♉42	T 1
F 2	10 41 9	12° 2'22	23°42	16° 7	26° 7	26°39	3°47	23°31	2♏32	25♏21	29°29	4♐ 3	4°36	21°58	19°44	F 2
S 3	10 45 5	13° 2'21	6♋25	17°24	27°12	27°17	3°55	23°38	2°30	25°21	29°30	4° 1	4°33	22° 5	19°46	S 3
S 4	10 49 2	14° 2'17	19°35	18°42	28°17	27°55	4° 4	23°45	2°29	25°21	29°30	3°57	4°30	22°11	19°49	S 4
M 5	10 52 58	15° 2'11	3♌13	20° 2	29°23	28°33	4°12	23°52	2°27	25°21	29°31	3°50	4°27	22°18	19°51	M 5
T 6	10 56 55	16° 2'04	17°20	21°24	0♒29	29°12	4°21	23°58	2°26	25°20	29°31	3°41	4°24	22°25	19°54	T 6
W 7	11 0 52	17° 1'54	1♍53	22°47	1°35	29°50	4°29	24° 5	2°24	25°20	29°31	3°30	4°20	22°31	19°56	W 7
T 8	11 4 48	18° 1'41	16°46	24°12	2°42	0♑28	4°37	24°12	2°23	25°20	29°32	3°19	4°17	22°38	19°59	T 8
F 9	11 8 45	19° 1'27	1♎50	25°38	3°48	1° 6	4°45	24°19	2°21	25°19	29°33	3° 8	4°14	22°45	20° 2	F 9
S 10	11 12 41	20° 1'11	16°56	27° 5	4°55	1°44	4°52	24°26	2°20	25°19	29°33	3° 0	4°11	22°51	20° 4	S 10
S 11	11 16 38	21° 0'53	1♏53	28°34	6° 2	2°22	5° 0	24°32	2°18	25°18	29°34	2°54	4° 8	22°58	20° 7	S 11
M12	11 20 34	22° 0'34	16°33	0♓ 4	7° 9	3° 0	5° 8	24°39	2°16	25°18	29°34	2°51	4° 4	23° 5	20°10	M12
T 13	11 24 31	23° 0'13	0♐54	1°36	8°16	3°38	5°15	24°46	2°15	25°17	29°35	2°D50	4° 1	23°11	20°13	T 13
W14	11 28 27	23°59'50	14°52	3° 9	9°23	4°16	5°22	24°53	2°13	25°17	29°36	2°50	3°58	23°18	20°16	W14
T 15	11 32 24	24°59'25	28°28	4°43	10°31	4°54	5°29	24°59	2°11	25°16	29°36	2°R50	3°55	23°25	20°19	T 15
F 16	11 36 21	25°58'58	11♑44	6°18	11°38	5°31	5°36	25° 6	2° 9	25°16	29°37	2°49	3°52	23°31	20°22	F 16
S 17	11 40 17	26°58'30	24°43	7°55	12°46	6° 9	5°43	25°12	2° 7	25°15	29°38	2°46	3°49	23°38	20°25	S 17
S 18	11 44 14	27°58'00	7♒28	9°33	13°54	6°47	5°49	25°19	2° 5	25°14	29°38	2°40	3°45	23°45	20°28	S 18
M19	11 48 10	28°57'28	20° 0	11°12	15° 2	7°25	5°56	25°25	2° 3	25°14	29°39	2°31	3°42	23°51	20°31	M19
T 20	11 52 7	29°56'54	2♓21	12°53	16°10	8° 3	6° 2	25°32	2° 1	25°13	29°40	2°21	3°39	23°58	20°34	T 20
W21	11 56 3	0♈56'18	14°34	14°35	17°18	8°40	6° 8	25°38	1°59	25°12	29°41	2° 9	3°36	24° 5	20°37	W21
T 22	12 0 0	1°55'41	26°38	16°19	18°27	9°18	6°14	25°44	1°57	25°11	29°41	1°57	3°33	24°11	20°41	T 22
F 23	12 3 56	2°55'01	8♈36	18° 3	19°35	9°55	6°20	25°51	1°55	25°11	29°42	1°46	3°30	24°18	20°44	F 23
S 24	12 7 53	3°54'19	20°28	19°49	20°44	10°33	6°26	25°57	1°53	25°10	29°43	1°37	3°26	24°25	20°48	S 24
S 25	12 11 49	4°53'35	2♉17	21°37	21°52	11°10	6°31	26° 3	1°51	25° 9	29°44	1°31	3°23	24°32	20°51	S 25
M26	12 15 46	5°52'48	14° 4	23°25	23° 1	11°48	6°37	26° 9	1°49	25° 8	29°45	1°26	3°20	24°38	20°54	M26
T 27	12 19 43	6°52'00	25°54	25°16	24°10	12°25	6°42	26°15	1°47	25° 7	29°45	1°D25	3°17	24°45	20°58	T 27
W28	12 23 39	7°51'09	7♊49	27° 7	25°19	13° 3	6°47	26°21	1°44	25° 6	29°46	1°25	3°14	24°52	21° 2	W28
T 29	12 27 36	8°50'16	19°53	29° 0	26°28	13°40	6°52	26°27	1°42	25° 5	29°47	1°26	3°10	24°58	21° 5	T 29
F 30	12 31 32	9°49'21	2♋13	0♈54	27°37	14°17	6°56	26°33	1°40	25° 4	29°48	1°27	3° 7	25° 5	21° 9	F 30
S 31	12 35 29	10♈48'24	14♋53	2♈50	28♒47	14♑54	7♑ 1	26♒39	1♏37	25♏ 3	29♉49	1°R27	3♐ 4	25♈12	21♉13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s26	21n33	0s39	17s27	1s 6	19s15	1n57	23s27	0s 1	23s 9	0n17	14s52	1s11	11s53	0n32	17s26	1n45	8n 7	12s14	21s 0	21s 7	11n47	14n44	3s 4
F 2	7 4	21 38	1 42	17 12	1 13	19 8	1 52	23 29	0 3	23 9	0 17	14 49	1 11	11 52	0 32	17 26	1 45	8 7	12 13	21 0	21 6	11 48	14 45	3 4
S 3	6 41	20 37	2 43	16 56	1 20	19 0	1 47	23 31	0 4	23 9	0 17	14 47	1 11	11 52	0 32	17 26	1 45	8 8	12 13	20 59	21 5	11 50	14 45	3 4
S 4	6 18	18 29	3 36	16 38	1 27	18 52	1 42	23 33	0 5	23 8	0 17	14 45	1 11	11 51	0 32	17 26	1 45	8 8	12 13	20 59	21 5	11 52	14 46	3 4
M 5	5 54	15 16	4 20	16 18	1 33	18 44	1 37	23 34	0 6	23 8	0 17	14 43	1 11	11 51	0 32	17 26	1 45	8 9	12 13	20 57	21 4	11 54	14 47	3 4
T 6	5 31	11 4	4 49	15 58	1 39	18 35	1 32	23 36	0 7	23 8	0 17	14 41	1 11	11 50	0 32	17 26	1 45	8 9	12 12	20 56	21 4	11 56	14 48	3 4
W 7	5 8	6 8	5 1	15 36	1 45	18 26	1 27	23 37	0 8	23 8	0 17	14 38	1 11	11 50	0 32	17 26	1 45	8 9	12 12	20 54	21 3	11 58	14 48	3 4
T 8	4 45	0 44	4 53	15 12	1 50	18 16	1 22	23 38	0 9	23 8	0 17	14 36	1 12	11 49	0 32	17 26	1 45	8 10	12 12	20 51	21 3	12 0	14 49	3 4
F 9	4 21	4s47	4 25	14 48	1 54	18 5	1 17	23 39	0 10	23 7	0 17	14 34	1 12	11 49	0 32	17 25	1 46	8 10	12 12	20 49	21 2	12 2	14 50	3 4
S 10	3 58	10 1	3 38	14 22	1 59	17 54	1 12	23 40	0 11	23 7	0 17	14 32	1 12	11 48	0 32	17 25	1 46	8 10	12 11	20 48	21 1	12 4	14 51	3 3
S 11	3 34	14 36	2 36	13 55	2 3	17 43	1 8	23 40	0 13	23 7	0 16	14 30	1 12	11 47	0 32	17 25	1 46	8 11	12 11	20 47	21 1	12 6	14 52	3 3
M12	3 11	18 11	1 25	13 26	2 6	17 31	1 3	23 41	0 14	23 7	0 16	14 28	1 12	11 47	0 32	17 25	1 46	8 11	12 11	20 46	21 0	12 7	14 52	3 3
T 13	2 47	20 33	0 10	12 56	2 9	17 18	0 58	23 41	0 15	23 6	0 16	14 25	1 12	11 46	0 32	17 25	1 46	8 12	12 10	20 46	21 0	12 9	14 53	3 3
W14	2 23	21 34	1n 4	12 25	2 12	17 5	0 53	23 41	0 16	23 6	0 16	14 23	1 12	11 46	0 32	17 25	1 46	8 12	12 10	20 46	20 59	12 11	14 54	3 3
T 15	2 0	21 17	2 12	11 53	2 14	16 52	0 48	23 41	0 18	23 6	0 16	14 21	1 12	11 45	0 32	17 24	1 46	8 12	12 10	20 46	20 58	12 13	14 55	3 3
F 16	1 36	19 47	3 11	11 19	2 16	16 38	0 44	23 41	0 19	23 6	0 16	14 19	1 12	11 44	0 32	17 24	1 46	8 13	12 10	20 46	20 58	12 15	14 56	3 3
S 17	1 12	17 17	4 0	10 44	2 17	16 23	0 39	23 41	0 20	23 6	0 16	14 17	1 13	11 44	0 32	17 24	1 46	8 13	12 9	20 45	20 57	12 17	14 57	3 3
S 18	0 49	14 0	4 35	10 8	2 18	16 8	0 34	23 40	0 21	23 5	0 16	14 15	1 13	11 43	0 32	17 24	1 46	8 14	12 9	20 44	20 57	12 19	14 58	3 3
M19	0 25	10 9	4 56	9 30	2 18	15 53	0 30	23 39	0 23	23 5	0 16	14 13	1 13	11 42	0 32	17 24	1 46	8 14	12 9	20 42	20 56	12 21	14 59	3 3
T 20	0 1	5 56	5 3	8 51	2 18	15 37	0 25	23 38	0 24	23 5	0 16	14 11	1 13	11 42	0 32	17 23	1 46	8 14	12 9	20 40	20 55	12 22	14 59	3 3
W21	0n22	1 32	4 56	8 11	2 17	15 21	0 21	23 37	0 25	23 5	0 16	14 9	1 13	11 41	0 32	17 23	1 46	8 15	12 8	20 38	20 55	12 24	15 0	3 3
T 22	0 46	2n53	4 36	7 30	2 16	15 4	0 17	23 36	0 27	23 4	0 16	14 7	1 13	11 40	0 32	17 23	1 46	8 15	12 8	20 36	20 54	12 26	15 1	3 3
F 23	1 10	7 9	4 4	6 48	2 15	14 47	0 12	23 35	0 28	23 4	0 16	14 5	1 13	11 39	0 32	17 23	1 46	8 16	12 8	20 33	20 54	12 28	15 2	3 3
S 24	1 33	11 7	3 21	6 4	2 13	14 29	0 8	23 33	0 29	23 4	0 16	14 3	1 14	11 39	0 32	17 22	1 46	8 16	12 8	20 32	20 53	12 30	15 3	3 2
S 25	1 57	14 38	2 30	5 20	2 10	14 11	0 4	23 32	0 31	23 4	0 16	14 1	1 14	11 38	0 32	17 22	1 46	8 16	12 7	20 30	20 52	12 32	15 4	3 2
M26	2 20	17 33	1 32	4 34	2 7	13 53	0s 0	23 30	0 32	23 4	0 16	13 59	1 14	11 37	0 32	17 22	1 46	8 17	12 7	20 29	20 52	12 33	15 5	3 2
T 27	2 44	19 45	0 30	3 47	2 4	13 34	0 5	23 28	0 34	23 3	0 15	13 57	1 14	11 36	0 32	17 22	1 46	8 17	12 7	20 29	20 51	12 35	15 6	3 2
W28	3 7	21 5	0s34	2 59	2 0	13 15	0 9	23 26	0 35	23 3	0 15	13 55	1 14	11 36	0 32	17 21	1 46	8 18	12 7	20 29	20 51	12 37	15 7	3 2
T 29	3 31	21 28	1 38	2 9	1 55	12 55	0 13	23 23	0 37	23 3	0 15	13 53	1 14	11 35	0 32	17 21	1 46	8 18	12 6	20 29	20 50	12 39	15 8	3 2
F 30	3 54	20 50	2 38	1 19	1 50	12 35	0 17	23 21	0 38	23 3	0 15	13 51	1 14	11 34	0 32	17 21	1 47	8 18	12 6	20 29	20 49	12 41	15 9	3 2
S 31	4n17	19n 8	3s33	0s28	1s44	12s14	0s20	23s18	0s40	23s 3	0n15	13s49	1s14	11s33	0n32	17s20	1n47	8n19	12s 6	20s29	20s49	12n43	15n10	3s 2

Julian Day Number = 2320117.5, Delta T = 50.26 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'04, Lahiri = 18°50'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

APRIL 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 39 25	11♈47'24	27♋57	4♈47	29♒56	15♑32	7♑ 5	26♒45	1°R35	25°R 2	29♉50	1°R25	3♐ 1	25♈18	21♉16	S 1
M 2	12 43 22	12°46'21	11♌29	6°46	1♓ 5	16° 9	7° 9	26°51	1♏33	25♏ 1	29°51	1♐22	2°58	25°25	21°20	M 2
T 3	12 47 18	13°45'17	25°30	8°46	2°15	16°46	7°13	26°56	1°30	25° 0	29°52	1°17	2°55	25°32	21°24	T 3
W 4	12 51 15	14°44'10	10♍ 0	10°47	3°24	17°23	7°17	27° 2	1°28	24°59	29°53	1°11	2°51	25°38	21°28	W 4
T 5	12 55 12	15°43'01	24°54	12°49	4°34	18° 0	7°21	27° 8	1°26	24°58	29°54	1° 4	2°48	25°45	21°31	T 5
F 6	12 59 8	16°41'49	10♎ 4	14°52	5°44	18°36	7°24	27°13	1°23	24°57	29°55	0°57	2°45	25°52	21°35	F 6
S 7	13 3 5	17°40'36	25°20	16°57	6°53	19°13	7°28	27°19	1°21	24°55	29°56	0°52	2°42	25°58	21°39	S 7
S 8	13 7 1	18°39'21	10♏32	19° 2	8° 3	19°50	7°31	27°24	1°18	24°54	29°57	0°48	2°39	26° 5	21°43	S 8
M 9	13 10 58	19°38'04	25°30	21° 8	9°13	20°27	7°34	27°29	1°16	24°53	29°58	0°D47	2°35	26°12	21°47	M 9
T 10	13 14 54	20°36'45	10♐ 7	23°15	10°23	21° 3	7°37	27°35	1°13	24°52	29°59	0°47	2°32	26°18	21°51	T 10
W11	13 18 51	21°35'24	24°19	25°22	11°33	21°40	7°39	27°40	1°11	24°50	0♊ 0	0°48	2°29	26°25	21°55	W11
T 12	13 22 47	22°34'02	8♑ 5	27°29	12°43	22°16	7°42	27°45	1° 8	24°49	0° 1	0°49	2°26	26°32	21°59	T 12
F 13	13 26 44	23°32'38	21°26	29°35	13°54	22°53	7°44	27°50	1° 6	24°48	0° 3	0°R50	2°23	26°38	22° 4	F 13
S 14	13 30 41	24°31'13	4♒24	1♉42	15° 4	23°29	7°46	27°55	1° 3	24°46	0° 4	0°50	2°20	26°45	22° 8	S 14
S 15	13 34 37	25°29'45	17° 4	3°48	16°14	24° 5	7°48	28° 0	1° 1	24°45	0° 5	0°48	2°16	26°52	22°12	S 15
M16	13 38 34	26°28'17	29°28	5°52	17°24	24°41	7°49	28° 5	0°58	24°44	0° 6	0°44	2°13	26°58	22°16	M16
T 17	13 42 30	27°26'46	11♓40	7°55	18°35	25°17	7°51	28°10	0°56	24°42	0° 7	0°39	2°10	27° 5	22°20	T 17
W18	13 46 27	28°25'13	23°42	9°57	19°45	25°53	7°52	28°15	0°53	24°41	0° 8	0°34	2° 7	27°12	22°25	W18
T 19	13 50 23	29°23'39	5♈37	11°57	20°56	26°29	7°53	28°19	0°51	24°39	0°10	0°28	2° 4	27°18	22°29	T 19
F 20	13 54 20	0♉22'03	17°29	13°54	22° 7	27° 5	7°54	28°24	0°48	24°38	0°11	0°23	2° 1	27°25	22°33	F 20
S 21	13 58 16	1°20'26	29°17	15°48	23°17	27°41	7°55	28°29	0°45	24°37	0°12	0°18	1°57	27°32	22°37	S 21
S 22	14 2 13	2°18'46	11♉ 6	17°40	24°28	28°17	7°56	28°33	0°43	24°35	0°13	0°15	1°54	27°38	22°42	S 22
M23	14 6 10	3°17'05	22°56	19°29	25°39	28°52	7°56	28°38	0°40	24°34	0°14	0°14	1°51	27°45	22°46	M23
T 24	14 10 6	4°15'22	4♊50	21°14	26°49	29°27	7°R56	28°42	0°38	24°32	0°16	0°D14	1°48	27°52	22°50	T 24
W25	14 14 3	5°13'37	16°51	22°56	28° 0	0♒ 3	7°56	28°46	0°35	24°31	0°17	0°15	1°45	27°58	22°55	W25
T 26	14 17 59	6°11'50	29° 1	24°34	29°11	0°38	7°56	28°50	0°33	24°29	0°18	0°16	1°41	28° 5	22°59	T 26
F 27	14 21 56	7°10'01	11♋25	26° 9	0♈22	1°13	7°55	28°54	0°30	24°28	0°19	0°18	1°38	28°12	23° 4	F 27
S 28	14 25 52	8° 8'10	24° 7	27°40	1°33	1°48	7°55	28°58	0°28	24°26	0°21	0°19	1°35	28°18	23° 8	S 28
S 29	14 29 49	9° 6'17	7♌ 8	29° 6	2°44	2°23	7°54	29° 2	0°25	24°25	0°22	0°R20	1°32	28°25	23°13	S 29
M30	14 33 45	10♉ 4'22	20♌34	0♊29	3♈55	2♒58	7♑53	29♒ 6	0♏23	24♏23	0♊23	0♐19	1♐29	28♈32	23♉17	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n40	16n24	4s18	0n24	1s38	11s54	0s24	23s16	0s41	23s 3	0n15	13s47	1s15	11s32	0n32	17s20	1n47	8n19	12s 6	20s29	20s48	12n44	15n11	3s 2
M 2	5 3	12 43	4 50	1 17	1 32	11 33	0 28	23 13	0 43	23 2	0 15	13 46	1 15	11 32	0 32	17 20	1 47	8 20	12 5	20 28	20 47	12 46	15 12	3 2
T 3	5 26	8 13	5 7	2 11	1 25	11 11	0 31	23 10	0 44	23 2	0 15	13 44	1 15	11 31	0 32	17 20	1 47	8 20	12 5	20 27	20 47	12 48	15 13	3 2
W 4	5 49	3 8	5 5	3 5	1 17	10 49	0 35	23 7	0 46	23 2	0 15	13 42	1 15	11 30	0 32	17 19	1 47	8 20	12 5	20 26	20 46	12 50	15 14	3 2
T 5	6 12	2s17	4 42	4 1	1 9	10 27	0 39	23 3	0 47	23 2	0 15	13 40	1 15	11 29	0 32	17 19	1 47	8 21	12 5	20 25	20 46	12 52	15 15	3 2
F 6	6 34	7 40	4 0	4 56	1 1	10 5	0 42	23 0	0 49	23 2	0 15	13 38	1 15	11 28	0 32	17 19	1 47	8 21	12 5	20 23	20 45	12 53	15 16	3 2
S 7	6 57	12 37	3 0	5 53	0 52	9 42	0 45	22 56	0 51	23 2	0 15	13 37	1 16	11 27	0 32	17 18	1 47	8 22	12 4	20 22	20 44	12 55	15 17	3 2
S 8	7 19	16 43	1 48	6 49	0 42	9 19	0 49	22 53	0 52	23 2	0 15	13 35	1 16	11 27	0 32	17 18	1 47	8 22	12 4	20 21	20 44	12 57	15 18	3 2
M 9	7 42	19 38	0 29	7 46	0 32	8 56	0 52	22 49	0 54	23 2	0 15	13 33	1 16	11 26	0 32	17 18	1 47	8 23	12 4	20 21	20 43	12 59	15 19	3 2
T 10	8 4	21 10	0n51	8 42	0 22	8 32	0 55	22 45	0 56	23 1	0 15	13 32	1 16	11 25	0 32	17 17	1 47	8 23	12 4	20 21	20 42	13 1	15 20	3 2
W11	8 26	21 17	2 5	9 39	0 12	8 8	0 58	22 41	0 57	23 1	0 14	13 30	1 16	11 24	0 32	17 17	1 47	8 23	12 4	20 21	20 42	13 2	15 21	3 2
T 12	8 48	20 6	3 9	10 35	0 1	7 44	1 1	22 37	0 59	23 1	0 14	13 28	1 16	11 23	0 32	17 17	1 47	8 24	12 3	20 22	20 41	13 4	15 22	3 2
F 13	9 10	17 48	4 1	11 30	0n10	7 20	1 4	22 32	1 1	23 1	0 14	13 27	1 17	11 22	0 32	17 16	1 47	8 24	12 3	20 22	20 41	13 6	15 23	3 2
S 14	9 31	14 40	4 39	12 24	0 20	6 55	1 6	22 28	1 3	23 1	0 14	13 25	1 17	11 21	0 32	17 16	1 47	8 25	12 3	20 22	20 40	13 8	15 24	3 2
S 15	9 53	10 56	5 3	13 18	0 31	6 30	1 9	22 23	1 4	23 1	0 14	13 23	1 17	11 21	0 32	17 16	1 47	8 25	12 3	20 21	20 39	13 9	15 25	3 2
M16	10 14	6 49	5 12	14 10	0 42	6 5	1 12	22 19	1 6	23 1	0 14	13 22	1 17	11 20	0 32	17 15	1 47	8 25	12 3	20 21	20 39	13 11	15 26	3 2
T 17	10 35	2 29	5 6	15 1	0 53	5 40	1 14	22 14	1 8	23 1	0 14	13 20	1 17	11 19	0 32	17 15	1 47	8 26	12 3	20 20	20 38	13 13	15 27	3 2
W18	10 56	1n53	4 47	15 50	1 4	5 14	1 17	22 9	1 10	23 1	0 14	13 19	1 17	11 18	0 32	17 15	1 47	8 26	12 2	20 18	20 37	13 15	15 29	3 2
T 19	11 17	6 9	4 15	16 37	1 14	4 49	1 19	22 4	1 12	23 1	0 14	13 17	1 18	11 17	0 32	17 14	1 47	8 27	12 2	20 17	20 37	13 16	15 30	3 2
F 20	11 37	10 9	3 33	17 23	1 24	4 23	1 21	21 59	1 14	23 1	0 14	13 16	1 18	11 16	0 32	17 14	1 47	8 27	12 2	20 16	20 36	13 18	15 31	3 2
S 21	11 58	13 46	2 42	18 6	1 34	3 57	1 23	21 54	1 16	23 1	0 14	13 15	1 18	11 15	0 32	17 13	1 47	8 27	12 2	20 15	20 36	13 20	15 32	3 2
S 22	12 18	16 49	1 43	18 46	1 43	3 31	1 26	21 49	1 18	23 1	0 14	13 13	1 18	11 14	0 32	17 13	1 47	8 28	12 2	20 15	20 35	13 22	15 33	3 2
M23	12 38	19 11	0 40	19 25	1 51	3 4	1 28	21 43	1 20	23 1	0 14	13 12	1 18	11 13	0 32	17 13	1 47	8 28	12 2	20 14	20 34	13 23	15 34	3 2
T 24	12 58	20 44	0s25	20 1	1 59	2 38	1 29	21 38	1 22	23 1	0 13	13 10	1 18	11 13	0 32	17 12	1 47	8 28	12 1	20 14	20 34	13 25	15 35	3 2
W25	13 17	21 20	1 30	20 34	2 6	2 11	1 31	21 32	1 24	23 1	0 13	13 9	1 19	11 12	0 32	17 12	1 47	8 29	12 1	20 14	20 33	13 27	15 36	3 2
T 26	13 37	20 57	2 32	21 5	2 12	1 45	1 33	21 27	1 26	23 2	0 13	13 8	1 19	11 11	0 32	17 12	1 47	8 29	12 1	20 15	20 32	13 29	15 37	3 2
F 27	13 56	19 32	3 28	21 34	2 18	1 18	1 35	21 21	1 28	23 2	0 13	13 7	1 19	11 10	0 32	17 11	1 47	8 30	12 1	20 15	20 32	13 30	15 38	3 2
S 28	14 15	17 9	4 15	22 0	2 23	0 51	1 36	21 15	1 30	23 2	0 13	13 5	1 19	11 9	0 32	17 11	1 47	8 30	12 1	20 15	20 31	13 32	15 39	3 2
S 29	14 33	13 50	4 50	22 23	2 27	0 24	1 38	21 9	1 32	23 2	0 13	13 4	1 19	11 8	0 32	17 10	1 47	8 30	12 1	20 15	20 30	13 34	15 40	3 2
M30	14n52	9n44	5s11	22n44	2n30	0n 3	1s39	21s 3	1s34	23s 2	0n13	13s 3	1s20	11s 7	0n32	17s10	1n47	8n31	12s 1	20s15	20s30	13n35	15n41	3s 2

Julian Day Number = 2320148.5, Delta T = 50.20 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'09, Lahiri = 18°50'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

MAY 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 37 42	11♉ 2'25	4♍26	1♊47	5♈ 6	3♒32	7°R52	29♒10	0°R20	24°R21	0♊25	0°R18	1♐26	28♈38	23♉21	T 1
W 2	14 41 39	12° 0'26	18°43	3° 2	6°17	4° 7	7♑51	29°14	0♏18	24♏20	0°26	0♐16	1°22	28°45	23°26	W 2
T 3	14 45 35	12°58'25	3♎24	4°12	7°28	4°41	7°49	29°17	0°15	24°18	0°27	0°14	1°19	28°52	23°30	T 3
F 4	14 49 32	13°56'23	18°23	5°17	8°39	5°15	7°47	29°21	0°13	24°17	0°28	0°12	1°16	28°58	23°35	F 4
S 5	14 53 28	14°54'18	3♏33	6°18	9°50	5°49	7°45	29°24	0°10	24°15	0°30	0°10	1°13	29° 5	23°39	S 5
S 6	14 57 25	15°52'12	18°44	7°15	11° 2	6°23	7°43	29°27	0° 8	24°14	0°31	0°10	1°10	29°12	23°44	S 6
M 7	15 1 21	16°50'05	3♐46	8° 7	12°13	6°57	7°41	29°31	0° 5	24°12	0°32	0°D 9	1° 6	29°18	23°49	M 7
T 8	15 5 18	17°47'56	18°31	8°55	13°24	7°31	7°39	29°34	0° 3	24°10	0°34	0°10	1° 3	29°25	23°53	T 8
W 9	15 9 14	18°45'46	2♑54	9°38	14°36	8° 4	7°36	29°37	0° 1	24° 9	0°35	0°11	1° 0	29°32	23°58	W 9
T 10	15 13 11	19°43'35	16°51	10°16	15°47	8°38	7°33	29°40	29♎58	24° 7	0°36	0°12	0°57	29°38	24° 2	T 10
F 11	15 17 8	20°41'22	0♒20	10°49	16°58	9°11	7°30	29°43	29°56	24° 5	0°38	0°12	0°54	29°45	24° 7	F 11
S 12	15 21 4	21°39'08	13°25	11°18	18°10	9°44	7°27	29°46	29°54	24° 4	0°39	0°13	0°51	29°52	24°11	S 12
S 13	15 25 1	22°36'53	26° 7	11°42	19°21	10°17	7°24	29°48	29°51	24° 2	0°40	0°R13	0°47	29°58	24°16	S 13
M14	15 28 57	23°34'37	8♓30	12° 0	20°33	10°50	7°20	29°51	29°49	24° 1	0°42	0°13	0°44	0♉ 5	24°20	M14
T 15	15 32 54	24°32'20	20°38	12°15	21°44	11°22	7°17	29°54	29°47	23°59	0°43	0°12	0°41	0°12	24°25	T 15
W16	15 36 50	25°30'01	2♈36	12°24	22°56	11°55	7°13	29°56	29°45	23°57	0°44	0°12	0°38	0°18	24°30	W16
T 17	15 40 47	26°27'42	14°28	12°R28	24° 7	12°27	7° 9	29°59	29°43	23°56	0°46	0°11	0°35	0°25	24°34	T 17
F 18	15 44 43	27°25'21	26°16	12°28	25°19	12°59	7° 5	0♓ 1	29°40	23°54	0°47	0°11	0°32	0°32	24°39	F 18
S 19	15 48 40	28°23'00	8♉ 4	12°23	26°31	13°31	7° 0	0° 3	29°38	23°52	0°49	0°10	0°28	0°38	24°43	S 19
S 20	15 52 36	29°20'37	19°55	12°14	27°42	14° 2	6°56	0° 5	29°36	23°51	0°50	0°10	0°25	0°45	24°48	S 20
M21	15 56 33	0♊18'13	1♊51	12° 0	28°54	14°34	6°51	0° 7	29°34	23°49	0°51	0°10	0°22	0°52	24°52	M21
T 22	16 0 30	1°15'48	13°55	11°43	0♉ 6	15° 5	6°46	0° 9	29°32	23°48	0°53	0°10	0°19	0°58	24°57	T 22
W23	16 4 26	2°13'22	26° 7	11°22	1°18	15°36	6°41	0°11	29°30	23°46	0°54	0°10	0°16	1° 5	25° 2	W23
T 24	16 8 23	3°10'54	8♋30	10°58	2°29	16° 6	6°36	0°12	29°28	23°44	0°55	0°10	0°12	1°12	25° 6	T 24
F 25	16 12 19	4° 8'26	21° 7	10°31	3°41	16°37	6°31	0°14	29°26	23°43	0°57	0° 9	0° 9	1°18	25°11	F 25
S 26	16 16 16	5° 5'56	3♌58	10° 1	4°53	17° 7	6°26	0°16	29°24	23°41	0°58	0° 9	0° 6	1°25	25°15	S 26
S 27	16 20 12	6° 3'24	17° 6	9°30	6° 5	17°37	6°20	0°17	29°22	23°40	0°59	0° 8	0° 3	1°32	25°20	S 27
M28	16 24 9	7° 0'52	0♍32	8°57	7°17	18° 7	6°14	0°18	29°20	23°38	1° 1	0°D 8	29♏59	1°38	25°24	M28
T 29	16 28 6	7°58'18	14°17	8°24	8°29	18°36	6° 8	0°20	29°19	23°36	1° 2	0° 8	29°57	1°45	25°29	T 29
W30	16 32 2	8°55'42	28°23	7°50	9°41	19° 5	6° 3	0°21	29°17	23°35	1° 4	0° 8	29°53	1°52	25°33	W30
T 31	16 35 59	9♊53'06	12♎47	7♊17	10♉53	19♒34	5♑56	0♓22	29♎15	23♏33	1♊ 5	0♐ 9	29♏50	1♉58	25♉38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n10	5n 1	5s15	23n 3	2n32	0n30	1s40	20s57	1s36	23s 2	0n13	13s 2	1s20	11s 7	0n32	17s10	1n47	8n31	12s 1	20s15	20s29	13n37	15n42	3s 2
W 2	15 28	0s 8	5 0	23 19	2 34	0 57	1 42	20 51	1 38	23 2	0 13	13 1	1 20	11 6	0 32	17 9	1 47	8 31	12 0	20 15	20 28	13 39	15 43	3 2
T 3	15 46	5 24	4 25	23 33	2 34	1 24	1 43	20 45	1 41	23 3	0 13	13 0	1 20	11 5	0 32	17 9	1 47	8 32	12 0	20 14	20 28	13 40	15 44	3 2
F 4	16 3	10 28	3 31	23 45	2 34	1 51	1 44	20 39	1 43	23 3	0 13	12 59	1 20	11 4	0 32	17 8	1 47	8 32	12 0	20 14	20 27	13 42	15 46	3 2
S 5	16 20	14 57	2 22	23 54	2 32	2 18	1 45	20 33	1 45	23 3	0 12	12 58	1 20	11 3	0 32	17 8	1 47	8 33	12 0	20 14	20 27	13 44	15 47	3 2
S 6	16 37	18 26	1 3	24 1	2 30	2 45	1 46	20 27	1 47	23 3	0 12	12 57	1 21	11 2	0 32	17 8	1 47	8 33	12 0	20 13	20 26	13 46	15 48	3 3
M 7	16 54	20 37	0n20	24 6	2 26	3 12	1 46	20 20	1 50	23 3	0 12	12 56	1 21	11 1	0 32	17 7	1 47	8 33	12 0	20 13	20 25	13 47	15 49	3 3
T 8	17 10	21 20	1 40	24 10	2 22	3 39	1 47	20 14	1 52	23 4	0 12	12 55	1 21	11 1	0 32	17 7	1 47	8 34	12 0	20 13	20 25	13 49	15 50	3 3
W 9	17 26	20 35	2 52	24 11	2 16	4 6	1 48	20 7	1 54	23 4	0 12	12 54	1 21	11 0	0 32	17 6	1 47	8 34	12 0	20 14	20 24	13 51	15 51	3 3
T 10	17 42	18 36	3 51	24 10	2 10	4 34	1 48	20 1	1 57	23 4	0 12	12 53	1 21	10 59	0 32	17 6	1 47	8 34	12 0	20 14	20 23	13 52	15 52	3 3
F 11	17 58	15 38	4 35	24 7	2 2	5 0	1 49	19 54	1 59	23 4	0 12	12 52	1 22	10 58	0 32	17 6	1 47	8 35	12 0	20 14	20 23	13 54	15 53	3 3
S 12	18 13	11 58	5 4	24 3	1 53	5 27	1 49	19 48	2 1	23 5	0 12	12 51	1 22	10 57	0 32	17 5	1 47	8 35	11 59	20 14	20 22	13 56	15 54	3 3
S 13	18 28	7 52	5 17	23 57	1 44	5 54	1 49	19 41	2 4	23 5	0 12	12 50	1 22	10 57	0 32	17 5	1 47	8 35	11 59	20 14	20 21	13 57	15 55	3 3
M14	18 42	3 32	5 14	23 49	1 33	6 21	1 49	19 35	2 6	23 5	0 12	12 50	1 22	10 56	0 32	17 4	1 47	8 36	11 59	20 14	20 21	13 59	15 56	3 3
T 15	18 56	0n51	4 58	23 39	1 21	6 48	1 49	19 28	2 9	23 6	0 11	12 49	1 22	10 55	0 32	17 4	1 47	8 36	11 59	20 14	20 20	14 1	15 57	3 3
W16	19 10	5 8	4 28	23 28	1 9	7 14	1 50	19 21	2 12	23 6	0 11	12 48	1 23	10 54	0 32	17 4	1 47	8 36	11 59	20 14	20 19	14 2	15 58	3 3
T 17	19 24	9 12	3 48	23 15	0 55	7 41	1 49	19 15	2 14	23 6	0 11	12 48	1 23	10 54	0 32	17 3	1 47	8 37	11 59	20 14	20 19	14 4	15 59	3 3
F 18	19 37	12 55	2 57	23 1	0 41	8 7	1 49	19 8	2 17	23 7	0 11	12 47	1 23	10 53	0 32	17 3	1 47	8 37	11 59	20 14	20 18	14 5	16 0	3 3
S 19	19 50	16 7	2 0	22 45	0 26	8 33	1 49	19 1	2 19	23 7	0 11	12 47	1 23	10 52	0 32	17 2	1 47	8 37	11 59	20 14	20 17	14 7	16 1	3 4
S 20	20 3	18 40	0 57	22 29	0 10	8 59	1 49	18 55	2 22	23 7	0 11	12 46	1 24	10 51	0 32	17 2	1 47	8 38	11 59	20 13	20 17	14 9	16 2	3 4
M21	20 15	20 25	0s 9	22 11	0s 6	9 25	1 48	18 48	2 25	23 8	0 11	12 45	1 24	10 51	0 32	17 2	1 47	8 38	11 59	20 13	20 16	14 10	16 3	3 4
T 22	20 27	21 16	1 16	21 52	0 23	9 51	1 48	18 41	2 27	23 8	0 11	12 45	1 24	10 50	0 32	17 1	1 47	8 38	11 59	20 13	20 15	14 12	16 4	3 4
W23	20 39	21 6	2 19	21 32	0 40	10 16	1 47	18 35	2 30	23 8	0 11	12 45	1 24	10 49	0 32	17 1	1 47	8 38	11 59	20 13	20 15	14 14	16 5	3 4
T 24	20 50	19 56	3 17	21 11	0 57	10 41	1 47	18 28	2 33	23 9	0 10	12 44	1 24	10 49	0 32	17 1	1 47	8 39	11 59	20 13	20 14	14 15	16 6	3 4
F 25	21 1	17 45	4 7	20 50	1 15	11 6	1 46	18 22	2 36	23 9	0 10	12 44	1 25	10 48	0 32	17 0	1 47	8 39	11 59	20 13	20 13	14 17	16 7	3 4
S 26	21 11	14 41	4 45	20 29	1 32	11 31	1 45	18 15	2 39	23 10	0 10	12 43	1 25	10 47	0 32	17 0	1 47	8 39	11 59	20 13	20 13	14 18	16 8	3 4
S 27	21 22	10 49	5 9	20 7	1 49	11 56	1 45	18 9	2 41	23 10	0 10	12 43	1 25	10 47	0 32	16 59	1 47	8 40	11 59	20 13	20 12	14 20	16 9	3 4
M28	21 31	6 21	5 17	19 46	2 6	12 20	1 44	18 2	2 44	23 10	0 10	12 43	1 25	10 46	0 32	16 59	1 47	8 40	11 59	20 13	20 11	14 22	16 10	3 5
T 29	21 41	1 27	5 8	19 24	2 22	12 44	1 43	17 56	2 47	23 11	0 10	12 43	1 25	10 45	0 32	16 59	1 47	8 40	11 59	20 13	20 11	14 23	16 11	3 5
W30	21 50	3s38	4 40	19 4	2 38	13 8	1 42	17 49	2 50	23 11	0 10	12 42	1 26	10 45	0 32	16 58	1 47	8 40	11 59	20 13	20 10	14 25	16 12	3 5
T 31	21n58	8s39	3s54	18n44	2s52	13n31	1s41	17s43	2s53	23s11	0n10	12s42	1s26	10s44	0n32	16s58	1n47	8n41	11s59	20s13	20s 9	14n26	16n12	3s 5

Julian Day Number = 2320178.5, Delta T = 50.14 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'13, Lahiri = 18°50'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

JUNE 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 39 55	10♊50'28	27♎26	6°R45	12♉ 5	20♒ 3	5°R50	0♓23	29°R13	23°R32	1♊ 6	0♐10	29♏47	2♉ 5	25♉42	F 1
S 2	16 43 52	11°47'50	12♏16	6♊14	13°17	20°31	5♑44	0°24	29♎12	23♏30	1° 8	0°11	29°44	2°12	25°47	S 2
S 3	16 47 48	12°45'10	27°10	5°45	14°29	20°59	5°38	0°24	29°10	23°29	1° 9	0°R11	29°41	2°18	25°51	S 3
M 4	16 51 45	13°42'30	12♐ 1	5°19	15°41	21°27	5°31	0°25	29° 8	23°27	1°10	0°11	29°38	2°25	25°56	M 4
T 5	16 55 41	14°39'49	26°41	4°56	16°53	21°54	5°24	0°25	29° 7	23°26	1°12	0°10	29°34	2°32	26° 0	T 5
W 6	16 59 38	15°37'07	11♑ 3	4°36	18° 5	22°22	5°18	0°26	29° 5	23°24	1°13	0° 8	29°31	2°38	26° 4	W 6
T 7	17 3 35	16°34'25	25° 3	4°20	19°17	22°48	5°11	0°26	29° 4	23°23	1°14	0° 6	29°28	2°45	26° 9	T 7
F 8	17 7 31	17°31'42	8♒38	4° 8	20°29	23°15	5° 4	0°26	29° 3	23°21	1°16	0° 4	29°25	2°52	26°13	F 8
S 9	17 11 28	18°28'58	21°47	4° 0	21°41	23°41	4°57	0°27	29° 1	23°20	1°17	0° 2	29°22	2°58	26°18	S 9
S 10	17 15 24	19°26'14	4♓33	3°D56	22°54	24° 7	4°50	0°R27	29° 0	23°19	1°18	0° 1	29°18	3° 5	26°22	S 10
M11	17 19 21	20°23'30	16°59	3°56	24° 6	24°32	4°43	0°27	28°59	23°17	1°20	29°D59	29°15	3°12	26°26	M11
T 12	17 23 17	21°20'46	29° 8	4° 2	25°18	24°57	4°35	0°26	28°57	23°16	1°21	0° 0	29°12	3°18	26°30	T 12
W13	17 27 14	22°18'01	11♈ 6	4°12	26°30	25°22	4°28	0°26	28°56	23°14	1°22	0° 1	29° 9	3°25	26°35	W13
T 14	17 31 10	23°15'16	22°56	4°26	27°43	25°46	4°21	0°26	28°55	23°13	1°23	0° 3	29° 6	3°32	26°39	T 14
F 15	17 35 7	24°12'31	4♉44	4°45	28°55	26°10	4°13	0°25	28°54	23°12	1°25	0° 4	29° 3	3°38	26°43	F 15
S 16	17 39 4	25° 9'45	16°34	5° 9	0♊ 7	26°33	4° 6	0°25	28°53	23°10	1°26	0° 6	28°59	3°45	26°47	S 16
S 17	17 43 0	26° 7'00	28°30	5°37	1°20	26°56	3°58	0°24	28°52	23° 9	1°27	0°R 6	28°56	3°52	26°52	S 17
M18	17 46 57	27° 4'14	10♊34	6°10	2°32	27°19	3°51	0°24	28°51	23° 8	1°28	0° 6	28°53	3°58	26°56	M18
T 19	17 50 53	28° 1'28	22°50	6°48	3°45	27°41	3°43	0°23	28°50	23° 6	1°30	0° 4	28°50	4° 5	27° 0	T 19
W20	17 54 50	28°58'42	5♋18	7°30	4°57	28° 3	3°36	0°22	28°49	23° 5	1°31	0° 1	28°47	4°12	27° 4	W20
T 21	17 58 46	29°55'55	18° 0	8°16	6°10	28°24	3°28	0°21	28°48	23° 4	1°32	29♏57	28°44	4°18	27° 8	T 21
F 22	18 2 43	0♋53'08	0♌55	9° 6	7°22	28°44	3°20	0°20	28°48	23° 3	1°33	29°52	28°40	4°25	27°12	F 22
S 23	18 6 39	1°50'21	14° 5	10° 1	8°35	29° 5	3°13	0°18	28°47	23° 2	1°35	29°47	28°37	4°31	27°16	S 23
S 24	18 10 36	2°47'33	27°28	11° 0	9°47	29°24	3° 5	0°17	28°46	23° 0	1°36	29°43	28°34	4°38	27°20	S 24
M25	18 14 33	3°44'45	11♍ 4	12° 3	11° 0	29°43	2°57	0°16	28°46	22°59	1°37	29°39	28°31	4°45	27°24	M25
T 26	18 18 29	4°41'57	24°53	13°10	12°13	0♓ 2	2°49	0°14	28°45	22°58	1°38	29°38	28°28	4°51	27°28	T 26
W27	18 22 26	5°39'08	8♎53	14°21	13°25	0°20	2°42	0°13	28°44	22°57	1°39	29°D37	28°24	4°58	27°32	W27
T 28	18 26 22	6°36'18	23° 4	15°37	14°38	0°38	2°34	0°11	28°44	22°56	1°40	29°38	28°21	5° 5	27°36	T 28
F 29	18 30 19	7°33'29	7♏24	16°56	15°51	0°54	2°26	0° 9	28°44	22°55	1°42	29°39	28°18	5°11	27°39	F 29
S 30	18 34 15	8♋30'39	21♏51	18♊18	17♊ 3	1♓11	2♑19	0♓ 7	28♎43	22♏54	1♊43	29♏41	28♏15	5♉18	27♉43	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 7	13s15	2s52	18n25	3s 6	13n55	1s39	17s37	2s56	23s12	0n 9	12s42	1s26	10s44	0n32	16s58	1n47	8n41	11s59	20s13	20s 9	14n28	16n13	3s 5
S 2	22 15	17 6	1 38	18 7	3 19	14 18	1 38	17 30	2 59	23 12	0 9	12 42	1 26	10 43	0 32	16 57	1 47	8 41	11 59	20 14	20 8	14 30	16 14	3 5
S 3	22 22	19 50	0 17	17 51	3 30	14 40	1 37	17 24	3 2	23 13	0 9	12 42	1 27	10 42	0 32	16 57	1 47	8 41	11 59	20 14	20 7	14 31	16 15	3 5
M 4	22 29	21 12	1n 5	17 36	3 41	15 2	1 36	17 18	3 5	23 13	0 9	12 42	1 27	10 42	0 32	16 57	1 47	8 42	11 59	20 14	20 7	14 33	16 16	3 6
T 5	22 36	21 5	2 22	17 23	3 50	15 24	1 34	17 12	3 8	23 13	0 9	12 42	1 27	10 41	0 31	16 56	1 47	8 42	11 59	20 13	20 6	14 34	16 17	3 6
W 6	22 42	19 35	3 27	17 12	3 58	15 46	1 33	17 6	3 12	23 14	0 9	12 42	1 27	10 41	0 31	16 56	1 47	8 42	11 59	20 13	20 5	14 36	16 18	3 6
T 7	22 48	16 55	4 19	17 3	4 4	16 7	1 31	17 0	3 15	23 14	0 9	12 42	1 27	10 40	0 31	16 55	1 47	8 42	11 59	20 13	20 4	14 38	16 19	3 6
F 8	22 54	13 24	4 54	16 56	4 9	16 28	1 30	16 54	3 18	23 15	0 9	12 42	1 28	10 40	0 31	16 55	1 47	8 42	11 59	20 12	20 4	14 39	16 19	3 6
S 9	22 59	9 20	5 13	16 51	4 13	16 48	1 28	16 49	3 21	23 15	0 8	12 42	1 28	10 39	0 31	16 55	1 47	8 43	11 59	20 12	20 3	14 41	16 20	3 6
S 10	23 4	4 58	5 15	16 47	4 16	17 8	1 26	16 43	3 24	23 15	0 8	12 42	1 28	10 39	0 31	16 54	1 47	8 43	11 59	20 11	20 2	14 42	16 21	3 7
M11	23 8	0 31	5 2	16 46	4 17	17 28	1 24	16 38	3 28	23 16	0 8	12 43	1 28	10 39	0 31	16 54	1 47	8 43	11 59	20 11	20 2	14 44	16 22	3 7
T 12	23 12	3n53	4 36	16 47	4 17	17 47	1 23	16 32	3 31	23 16	0 8	12 43	1 28	10 38	0 31	16 54	1 47	8 43	11 59	20 11	20 1	14 45	16 23	3 7
W13	23 16	8 3	3 58	16 50	4 16	18 6	1 21	16 27	3 34	23 17	0 8	12 43	1 29	10 38	0 31	16 54	1 47	8 43	11 59	20 12	20 0	14 47	16 24	3 7
T 14	23 19	11 53	3 11	16 55	4 14	18 24	1 19	16 22	3 38	23 17	0 8	12 44	1 29	10 37	0 31	16 53	1 47	8 44	11 59	20 12	20 0	14 48	16 24	3 7
F 15	23 21	15 15	2 15	17 1	4 10	18 42	1 17	16 17	3 41	23 17	0 8	12 44	1 29	10 37	0 31	16 53	1 47	8 44	11 59	20 12	19 59	14 50	16 25	3 7
S 16	23 24	18 0	1 14	17 10	4 6	19 0	1 15	16 12	3 45	23 18	0 8	12 44	1 29	10 37	0 31	16 53	1 47	8 44	11 59	20 13	19 58	14 51	16 26	3 8
S 17	23 26	20 0	0 9	17 20	4 1	19 17	1 13	16 7	3 48	23 18	0 7	12 45	1 30	10 36	0 31	16 52	1 47	8 44	11 59	20 13	19 58	14 53	16 27	3 8
M18	23 27	21 8	0s57	17 31	3 55	19 33	1 11	16 3	3 52	23 18	0 7	12 45	1 30	10 36	0 31	16 52	1 47	8 44	11 59	20 13	19 57	14 54	16 27	3 8
T 19	23 28	21 16	2 2	17 44	3 48	19 49	1 9	15 58	3 55	23 19	0 7	12 46	1 30	10 36	0 31	16 52	1 47	8 45	12 0	20 12	19 56	14 56	16 28	3 8
W20	23 29	20 22	3 1	17 58	3 41	20 4	1 7	15 54	3 59	23 19	0 7	12 46	1 30	10 36	0 31	16 51	1 47	8 45	12 0	20 12	19 55	14 58	16 29	3 8
T 21	23 29	18 26	3 53	18 14	3 32	20 19	1 4	15 50	4 2	23 19	0 7	12 47	1 30	10 35	0 31	16 51	1 47	8 45	12 0	20 11	19 55	14 59	16 30	3 9
F 22	23 29	15 32	4 34	18 31	3 23	20 34	1 2	15 46	4 6	23 20	0 7	12 47	1 31	10 35	0 31	16 51	1 47	8 45	12 0	20 10	19 54	15 1	16 30	3 9
S 23	23 28	11 50	5 1	18 48	3 14	20 47	1 0	15 42	4 9	23 20	0 7	12 48	1 31	10 35	0 31	16 51	1 47	8 45	12 0	20 9	19 53	15 2	16 31	3 9
S 24	23 27	7 29	5 12	19 6	3 4	21 1	0 58	15 39	4 13	23 20	0 6	12 49	1 31	10 35	0 31	16 50	1 47	8 45	12 0	20 8	19 53	15 4	16 32	3 9
M25	23 26	2 43	5 6	19 25	2 53	21 13	0 55	15 36	4 17	23 21	0 6	12 49	1 31	10 34	0 31	16 50	1 46	8 45	12 0	20 7	19 52	15 5	16 32	3 9
T 26	23 24	2s17	4 42	19 45	2 42	21 26	0 53	15 32	4 20	23 21	0 6	12 50	1 31	10 34	0 31	16 50	1 46	8 46	12 0	20 7	19 51	15 7	16 33	3 10
W27	23 22	7 14	4 2	20 5	2 30	21 37	0 51	15 29	4 24	23 21	0 6	12 51	1 32	10 34	0 31	16 50	1 46	8 46	12 0	20 6	19 51	15 8	16 34	3 10
T 28	23 19	11 52	3 6	20 25	2 18	21 48	0 48	15 27	4 28	23 22	0 6	12 52	1 32	10 34	0 31	16 50	1 46	8 46	12 0	20 7	19 50	15 10	16 34	3 10
F 29	23 16	15 52	1 58	20 45	2 6	21 58	0 46	15 24	4 32	23 22	0 6	12 52	1 32	10 34	0 31	16 49	1 46	8 46	12 0	20 7	19 49	15 11	16 35	3 10
S 30	23n13	18s57	0s43	21n 5	1s54	22n 8	0s43	15s21	4s35	23s22	0n 6	12s53	1s32	10s34	0n31	16s49	1n46	8n46	12s 1	20s 7	19s48	15n12	16n36	3s11

Julian Day Number = 2320209.5, Delta T = 50.08 sec
Ecliptic obliquity = 23°29'05, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'17, Lahiri = 18°50'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

JULY 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 38 12	9♋27'49	6♐21	19♊45	18♊16	1♓27	2°R11	0°R 5	28°R43	22°R53	1♊44	29°R41	28♏12	5♉25	27♉47	S 1
M 2	18 42 8	10°25'00	20°49	21°16	19°29	1°42	2♑ 4	0♓ 3	28♎43	22♏52	1°45	29♏39	28° 9	5°31	27°51	M 2
T 3	18 46 5	11°22'10	5♑10	22°50	20°42	1°56	1°56	0° 1	28°42	22°51	1°46	29°35	28° 5	5°38	27°54	T 3
W 4	18 50 2	12°19'20	19°19	24°27	21°55	2°10	1°49	29♒59	28°42	22°50	1°47	29°30	28° 2	5°45	27°58	W 4
T 5	18 53 58	13°16'30	3♒11	26° 9	23° 7	2°24	1°41	29°57	28°42	22°49	1°48	29°23	27°59	5°51	28° 2	T 5
F 6	18 57 55	14°13'41	16°42	27°53	24°20	2°37	1°34	29°54	28°42	22°48	1°49	29°16	27°56	5°58	28° 5	F 6
S 7	19 1 51	15°10'52	29°50	29°41	25°33	2°49	1°27	29°52	28°D42	22°47	1°50	29° 9	27°53	6° 5	28° 9	S 7
S 8	19 5 48	16° 8'04	12♓37	1♋32	26°46	3° 0	1°19	29°49	28°42	22°47	1°51	29° 3	27°50	6°11	28°12	S 8
M 9	19 9 44	17° 5'16	25° 3	3°26	27°59	3°11	1°12	29°47	28°42	22°46	1°52	28°59	27°46	6°18	28°15	M 9
T 10	19 13 41	18° 2'28	7♈13	5°22	29°12	3°21	1° 5	29°44	28°42	22°45	1°53	28°57	27°43	6°25	28°19	T 10
W11	19 17 37	18°59'41	19°11	7°21	0♋25	3°30	0°58	29°41	28°43	22°44	1°54	28°D56	27°40	6°31	28°22	W11
T 12	19 21 34	19°56'55	1♉ 2	9°22	1°38	3°38	0°51	29°38	28°43	22°44	1°55	28°56	27°37	6°38	28°26	T 12
F 13	19 25 31	20°54'10	12°51	11°25	2°52	3°46	0°44	29°35	28°43	22°43	1°56	28°58	27°34	6°45	28°29	F 13
S 14	19 29 27	21°51'26	24°43	13°29	4° 5	3°53	0°38	29°32	28°44	22°42	1°57	28°R58	27°30	6°51	28°32	S 14
S 15	19 33 24	22°48'42	6♊43	15°35	5°18	3°59	0°31	29°29	28°44	22°42	1°58	28°58	27°27	6°58	28°35	S 15
M16	19 37 20	23°45'59	18°55	17°42	6°31	4° 5	0°24	29°26	28°44	22°41	1°59	28°56	27°24	7° 5	28°38	M16
T 17	19 41 17	24°43'16	1♋22	19°49	7°44	4°10	0°18	29°23	28°45	22°41	2° 0	28°52	27°21	7°11	28°41	T 17
W18	19 45 13	25°40'35	14° 6	21°56	8°58	4°14	0°12	29°19	28°46	22°40	2° 1	28°45	27°18	7°18	28°44	W18
T 19	19 49 10	26°37'54	27° 8	24° 4	10°11	4°17	0° 5	29°16	28°46	22°39	2° 2	28°37	27°15	7°25	28°47	T 19
F 20	19 53 6	27°35'14	10♌27	26°11	11°24	4°19	29♐59	29°13	28°47	22°39	2° 3	28°27	27°11	7°31	28°50	F 20
S 21	19 57 3	28°32'34	24° 1	28°17	12°38	4°21	29°53	29° 9	28°48	22°39	2° 3	28°17	27° 8	7°38	28°53	S 21
S 22	20 1 0	29°29'55	7♍47	0♌23	13°51	4°R21	29°48	29° 6	28°48	22°38	2° 4	28° 8	27° 5	7°45	28°56	S 22
M23	20 4 56	0♌27'16	21°43	2°29	15° 4	4°21	29°42	29° 2	28°49	22°38	2° 5	28° 1	27° 2	7°51	28°59	M23
T 24	20 8 53	1°24'38	5♎44	4°33	16°18	4°20	29°36	28°58	28°50	22°37	2° 6	27°56	26°59	7°58	29° 2	T 24
W25	20 12 49	2°22'01	19°50	6°35	17°31	4°19	29°31	28°54	28°51	22°37	2° 7	27°54	26°56	8° 4	29° 4	W25
T 26	20 16 46	3°19'24	3♏58	8°37	18°45	4°16	29°26	28°51	28°52	22°37	2° 7	27°D53	26°52	8°11	29° 7	T 26
F 27	20 20 42	4°16'47	18° 6	10°37	19°58	4°13	29°21	28°47	28°53	22°37	2° 8	27°54	26°49	8°18	29° 9	F 27
S 28	20 24 39	5°14'12	2♐15	12°36	21°12	4° 9	29°16	28°43	28°54	22°36	2° 9	27°R54	26°46	8°24	29°12	S 28
S 29	20 28 35	6°11'37	16°21	14°33	22°25	4° 5	29°11	28°39	28°55	22°36	2°10	27°53	26°43	8°31	29°14	S 29
M30	20 32 32	7° 9'02	0♑24	16°29	23°39	3°59	29° 6	28°35	28°56	22°36	2°10	27°49	26°40	8°38	29°17	M30
T 31	20 36 29	8♌ 6'29	14♑21	18♌23	24♋53	3♓53	29♐ 2	28♒31	28♎58	22♏36	2♊11	27♏43	26♏36	8♉44	29♉19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n 9	20s49	0n36	21n24	1s41	22n17	0s41	15s19	4s39	23s23	0n 5	12s54	1s32	10s34	0n31	16s49	1n46	8n46	12s 1	20s 7	19s48	15n14	16n36	3s11
M 2	23 4	21 18	1 52	21 43	1 29	22 26	0 38	15 17	4 43	23 23	0 5	12 55	1 33	10 34	0 31	16 49	1 46	8 46	12 1	20 7	19 47	15 15	16 37	3 11
T 3	23 0	20 23	3 1	22 2	1 16	22 34	0 36	15 15	4 47	23 23	0 5	12 56	1 33	10 34	0 31	16 48	1 46	8 46	12 1	20 6	19 46	15 17	16 37	3 11
W 4	22 55	18 11	3 57	22 19	1 3	22 41	0 33	15 14	4 50	23 23	0 5	12 57	1 33	10 34	0 31	16 48	1 46	8 46	12 1	20 5	19 46	15 18	16 38	3 11
T 5	22 49	14 59	4 37	22 35	0 50	22 48	0 31	15 13	4 54	23 24	0 5	12 58	1 33	10 34	0 31	16 48	1 46	8 46	12 1	20 3	19 45	15 20	16 39	3 12
F 6	22 43	11 4	5 1	22 50	0 38	22 54	0 28	15 11	4 58	23 24	0 5	12 59	1 33	10 34	0 30	16 48	1 46	8 46	12 1	20 2	19 44	15 21	16 39	3 12
S 7	22 37	6 44	5 9	23 4	0 25	22 59	0 26	15 11	5 2	23 24	0 5	13 0	1 34	10 34	0 30	16 48	1 46	8 47	12 1	20 0	19 43	15 23	16 40	3 12
S 8	22 30	2 13	5 0	23 16	0 13	23 4	0 23	15 10	5 6	23 24	0 4	13 1	1 34	10 34	0 30	16 48	1 46	8 47	12 2	19 59	19 43	15 24	16 40	3 12
M 9	22 23	2n17	4 38	23 25	0 1	23 8	0 21	15 10	5 9	23 24	0 4	13 2	1 34	10 34	0 30	16 47	1 46	8 47	12 2	19 58	19 42	15 26	16 41	3 13
T 10	22 16	6 35	4 3	23 33	0n11	23 11	0 18	15 9	5 13	23 25	0 4	13 3	1 34	10 34	0 30	16 47	1 46	8 47	12 2	19 58	19 41	15 27	16 41	3 13
W11	22 8	10 35	3 18	23 38	0 22	23 14	0 15	15 10	5 17	23 25	0 4	13 5	1 34	10 34	0 30	16 47	1 46	8 47	12 2	19 57	19 41	15 28	16 42	3 13
T 12	22 0	14 7	2 25	23 41	0 32	23 16	0 13	15 10	5 21	23 25	0 4	13 6	1 35	10 34	0 30	16 47	1 46	8 47	12 2	19 58	19 40	15 30	16 42	3 13
F 13	21 51	17 5	1 26	23 42	0 42	23 17	0 10	15 11	5 24	23 25	0 4	13 7	1 35	10 34	0 30	16 47	1 46	8 47	12 2	19 58	19 39	15 31	16 43	3 14
S 14	21 42	19 21	0 23	23 39	0 52	23 18	0 8	15 11	5 28	23 25	0 4	13 8	1 35	10 34	0 30	16 47	1 46	8 47	12 2	19 58	19 38	15 33	16 43	3 14
S 15	21 33	20 47	0s42	23 34	1 1	23 18	0 5	15 13	5 32	23 26	0 3	13 9	1 35	10 34	0 30	16 47	1 46	8 47	12 3	19 58	19 38	15 34	16 43	3 14
M16	21 23	21 16	1 45	23 27	1 9	23 17	0 3	15 14	5 36	23 26	0 3	13 11	1 35	10 35	0 30	16 47	1 45	8 47	12 3	19 58	19 37	15 36	16 44	3 15
T 17	21 13	20 44	2 45	23 16	1 16	23 15	0 0	15 16	5 39	23 26	0 3	13 12	1 35	10 35	0 30	16 47	1 45	8 47	12 3	19 57	19 36	15 37	16 44	3 15
W18	21 3	19 8	3 38	23 3	1 22	23 13	0n 2	15 17	5 43	23 26	0 3	13 13	1 36	10 35	0 30	16 46	1 45	8 47	12 3	19 55	19 36	15 38	16 45	3 15
T 19	20 52	16 31	4 20	22 47	1 28	23 11	0 5	15 20	5 46	23 26	0 3	13 15	1 36	10 35	0 30	16 46	1 45	8 47	12 3	19 53	19 35	15 40	16 45	3 15
F 20	20 41	13 0	4 50	22 29	1 33	23 7	0 7	15 22	5 50	23 26	0 3	13 16	1 36	10 36	0 30	16 46	1 45	8 47	12 3	19 51	19 34	15 41	16 45	3 16
S 21	20 29	8 46	5 3	22 8	1 37	23 3	0 10	15 25	5 53	23 27	0 3	13 17	1 36	10 36	0 30	16 46	1 45	8 47	12 4	19 49	19 33	15 43	16 46	3 16
S 22	20 18	4 1	5 0	21 45	1 41	22 58	0 12	15 28	5 57	23 27	0 2	13 19	1 36	10 36	0 30	16 46	1 45	8 47	12 4	19 47	19 33	15 44	16 46	3 16
M23	20 5	0s59	4 39	21 19	1 43	22 53	0 15	15 31	6 0	23 27	0 2	13 20	1 36	10 37	0 30	16 46	1 45	8 47	12 4	19 45	19 32	15 45	16 46	3 16
T 24	19 53	5 58	4 1	20 52	1 45	22 47	0 17	15 34	6 3	23 27	0 2	13 22	1 37	10 37	0 30	16 46	1 45	8 47	12 4	19 44	19 31	15 47	16 47	3 17
W25	19 40	10 40	3 8	20 23	1 47	22 40	0 20	15 38	6 7	23 27	0 2	13 23	1 37	10 37	0 30	16 46	1 45	8 47	12 4	19 44	19 30	15 48	16 47	3 17
T 26	19 27	14 48	2 4	19 52	1 47	22 32	0 22	15 41	6 10	23 27	0 2	13 25	1 37	10 38	0 30	16 46	1 45	8 47	12 5	19 44	19 30	15 50	16 47	3 17
F 27	19 14	18 5	0 52	19 19	1 47	22 24	0 25	15 45	6 13	23 27	0 2	13 26	1 37	10 38	0 30	16 46	1 45	8 47	12 5	19 44	19 29	15 51	16 47	3 18
S 28	19 0	20 16	0n23	18 45	1 46	22 15	0 27	15 50	6 16	23 27	0 2	13 28	1 37	10 39	0 30	16 46	1 45	8 47	12 5	19 44	19 28	15 52	16 48	3 18
S 29	18 46	21 11	1 37	18 10	1 45	22 6	0 29	15 54	6 18	23 28	0 1	13 29	1 37	10 39	0 30	16 46	1 45	8 46	12 5	19 43	19 28	15 54	16 48	3 18
M30	18 31	20 45	2 44	17 33	1 43	21 56	0 31	15 58	6 21	23 28	0 1	13 31	1 37	10 39	0 30	16 46	1 45	8 46	12 5	19 43	19 27	15 55	16 48	3 19
T 31	18n16	19s 3	3n40	16n56	1n40	21n45	0n34	16s 3	6s24	23s28	0n 1	13s32	1s38	10s40	0n30	16s46	1n45	8n46	12s 5	19s41	19s26	15n56	16n48	3s19

Julian Day Number = 2320239.5, Delta T = 50.02 sec
Ecliptic obliquity = 23°29'04, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'21, Lahiri = 18°50'22Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1640
geocentric

AUGUST 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 40 25	9♌ 3'56	28♉ 7	20♌16	26♋ 6	3°R46	28°R57	28°R27	28♎59	22°R36	2♊12	27°R34	26♏33	8♉51	29♉21	W 1
T 2	20 44 22	10° 1'25	11♒40	22° 7	27°20	3♓38	28♐53	28♒23	29° 0	22♏36	2°12	27♏23	26°30	8°58	29°24	T 2
F 3	20 48 18	10°58'54	24°58	23°57	28°34	3°30	28°49	28°18	29° 2	22°36	2°13	27°12	26°27	9° 4	29°26	F 3
S 4	20 52 15	11°56'25	7♓57	25°45	29°47	3°21	28°45	28°14	29° 3	22°D36	2°13	27° 0	26°24	9°11	29°28	S 4
S 5	20 56 11	12°53'56	20°37	27°31	1♌ 1	3°11	28°42	28°10	29° 5	22°36	2°14	26°50	26°21	9°18	29°30	S 5
M 6	21 0 8	13°51'29	3♈ 1	29°16	2°15	3° 1	28°38	28° 6	29° 6	22°36	2°14	26°42	26°17	9°24	29°32	M 6
T 7	21 4 4	14°49'04	15° 9	1♍ 0	3°29	2°50	28°35	28° 1	29° 8	22°36	2°15	26°36	26°14	9°31	29°34	T 7
W 8	21 8 1	15°46'40	27° 6	2°42	4°43	2°38	28°32	27°57	29° 9	22°36	2°15	26°33	26°11	9°38	29°36	W 8
T 9	21 11 58	16°44'17	8♉56	4°22	5°57	2°26	28°29	27°53	29°11	22°36	2°16	26°31	26° 8	9°44	29°38	T 9
F 10	21 15 54	17°41'56	20°45	6° 2	7°11	2°13	28°26	27°48	29°13	22°36	2°16	26°31	26° 5	9°51	29°39	F 10
S 11	21 19 51	18°39'37	2♊37	7°39	8°24	2° 0	28°23	27°44	29°15	22°37	2°17	26°31	26° 2	9°58	29°41	S 11
S 12	21 23 47	19°37'19	14°39	9°15	9°38	1°46	28°21	27°39	29°16	22°37	2°17	26°30	25°58	10° 4	29°43	S 12
M13	21 27 44	20°35'03	26°55	10°50	10°53	1°32	28°18	27°35	29°18	22°37	2°18	26°27	25°55	10°11	29°44	M13
T 14	21 31 40	21°32'48	9♋30	12°23	12° 7	1°18	28°16	27°30	29°20	22°37	2°18	26°22	25°52	10°18	29°46	T 14
W15	21 35 37	22°30'35	22°26	13°55	13°21	1° 3	28°14	27°26	29°22	22°38	2°18	26°14	25°49	10°24	29°47	W15
T 16	21 39 33	23°28'24	5♌44	15°25	14°35	0°47	28°13	27°21	29°24	22°38	2°19	26° 3	25°46	10°31	29°49	T 16
F 17	21 43 30	24°26'14	19°24	16°54	15°49	0°32	28°11	27°17	29°26	22°39	2°19	25°52	25°42	10°37	29°50	F 17
S 18	21 47 27	25°24'05	3♍22	18°21	17° 3	0°16	28°10	27°12	29°28	22°39	2°19	25°40	25°39	10°44	29°51	S 18
S 19	21 51 23	26°21'58	17°35	19°47	18°17	0° 0	28° 9	27° 8	29°30	22°39	2°20	25°28	25°36	10°51	29°52	S 19
M20	21 55 20	27°19'53	1♎56	21°11	19°31	29♒44	28° 8	27° 3	29°33	22°40	2°20	25°19	25°33	10°57	29°54	M20
T 21	21 59 16	28°17'48	16°19	22°34	20°46	29°28	28° 7	26°59	29°35	22°41	2°20	25°13	25°30	11° 4	29°55	T 21
W22	22 3 13	29°15'45	0♏40	23°55	22° 0	29°12	28° 6	26°54	29°37	22°41	2°20	25° 9	25°27	11°11	29°56	W22
T 23	22 7 9	0♍13'44	14°56	25°15	23°14	28°56	28° 6	26°50	29°39	22°42	2°21	25° 8	25°23	11°17	29°56	T 23
F 24	22 11 6	1°11'43	29° 5	26°33	24°29	28°40	28°D 6	26°45	29°42	22°42	2°21	25° 8	25°20	11°24	29°57	F 24
S 25	22 15 2	2° 9'44	13♐ 5	27°49	25°43	28°25	28° 6	26°41	29°44	22°43	2°21	25° 8	25°17	11°31	29°58	S 25
S 26	22 18 59	3° 7'47	26°56	29° 3	26°57	28° 9	28° 6	26°36	29°47	22°44	2°21	25° 6	25°14	11°37	29°59	S 26
M27	22 22 56	4° 5'51	10♉38	0♎16	28°12	27°54	28° 6	26°32	29°49	22°45	2°21	25° 2	25°11	11°44	29°59	M27
T 28	22 26 52	5° 3'56	24°11	1°27	29°26	27°38	28° 7	26°27	29°52	22°45	2°21	24°55	25° 7	11°51	0♊ 0	T 28
W29	22 30 49	6° 2'03	7♒33	2°35	0♏40	27°24	28° 8	26°23	29°54	22°46	2°21	24°46	25° 4	11°57	0° 1	W29
T 30	22 34 45	7° 0'11	20°44	3°42	1°55	27° 9	28° 9	26°18	29°57	22°47	2°21	24°35	25° 1	12° 4	0° 1	T 30
F 31	22 38 42	7♍58'21	3♓41	4♎46	3♍ 9	26♒55	28♐10	26♒14	29♎59	22♏48	2♊22	24♏22	24♏58	12♉11	0♊ 1	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n 1	16s16	4n23	16n17	1n37	21n33	0n36	16s 8	6s26	23s28	0n 1	13s34	1s38	10s40	0n30	16s46	1n45	8n46	12s 6	19s39	19s25	15n58	16n49	3s19
T 2	17 46	12 40	4 51	15 38	1 33	21 21	0 38	16 13	6 29	23 28	0 1	13 35	1 38	10 41	0 30	16 46	1 44	8 46	12 6	19 37	19 25	15 59	16 49	3 19
F 3	17 30	8 29	5 1	14 58	1 29	21 9	0 40	16 18	6 31	23 28	0 1	13 37	1 38	10 41	0 29	16 46	1 44	8 46	12 6	19 34	19 24	16 0	16 49	3 20
S 4	17 15	4 1	4 56	14 17	1 25	20 55	0 42	16 24	6 33	23 28	0 1	13 39	1 38	10 42	0 29	16 46	1 44	8 46	12 6	19 32	19 23	16 2	16 49	3 20
S 5	16 58	0n31	4 36	13 36	1 20	20 42	0 44	16 29	6 35	23 28	0 0	13 40	1 38	10 43	0 29	16 46	1 44	8 46	12 6	19 29	19 22	16 3	16 49	3 20
M 6	16 42	4 56	4 4	12 55	1 15	20 27	0 47	16 35	6 37	23 28	0 0	13 42	1 38	10 43	0 29	16 46	1 44	8 46	12 7	19 27	19 22	16 4	16 49	3 21
T 7	16 25	9 4	3 21	12 13	1 9	20 12	0 49	16 40	6 39	23 28	0 0	13 43	1 38	10 44	0 29	16 47	1 44	8 46	12 7	19 26	19 21	16 6	16 49	3 21
W 8	16 8	12 47	2 29	11 31	1 3	19 56	0 50	16 46	6 40	23 29	0 0	13 45	1 39	10 44	0 29	16 47	1 44	8 46	12 7	19 25	19 20	16 7	16 49	3 21
T 9	15 51	15 57	1 32	10 48	0 57	19 40	0 52	16 52	6 41	23 29	0s 0	13 47	1 39	10 45	0 29	16 47	1 44	8 45	12 7	19 25	19 19	16 8	16 50	3 22
F 10	15 33	18 28	0 31	10 6	0 50	19 23	0 54	16 57	6 43	23 29	0 0	13 48	1 39	10 46	0 29	16 47	1 44	8 45	12 8	19 25	19 19	16 10	16 50	3 22
S 11	15 16	20 12	0s32	9 23	0 43	19 6	0 56	17 3	6 44	23 29	0 0	13 50	1 39	10 46	0 29	16 47	1 44	8 45	12 8	19 25	19 18	16 11	16 50	3 22
S 12	14 58	21 2	1 35	8 40	0 36	18 48	0 58	17 9	6 45	23 29	0 1	13 52	1 39	10 47	0 29	16 47	1 44	8 45	12 8	19 25	19 17	16 12	16 50	3 23
M13	14 39	20 53	2 34	7 58	0 29	18 30	1 0	17 15	6 45	23 29	0 1	13 53	1 39	10 48	0 29	16 47	1 44	8 45	12 8	19 24	19 16	16 14	16 50	3 23
T 14	14 21	19 42	3 27	7 15	0 21	18 11	1 1	17 20	6 46	23 29	0 1	13 55	1 39	10 48	0 29	16 47	1 44	8 45	12 8	19 23	19 16	16 15	16 50	3 23
W15	14 2	17 30	4 11	6 32	0 13	17 51	1 3	17 26	6 46	23 29	0 1	13 56	1 39	10 49	0 29	16 48	1 44	8 45	12 9	19 21	19 15	16 16	16 50	3 24
T 16	13 43	14 19	4 42	5 50	0 5	17 31	1 4	17 32	6 46	23 29	0 1	13 58	1 39	10 50	0 29	16 48	1 44	8 45	12 9	19 18	19 14	16 17	16 50	3 24
F 17	13 24	10 18	4 59	5 8	0s 3	17 11	1 6	17 37	6 46	23 30	0 1	14 0	1 39	10 50	0 29	16 48	1 44	8 44	12 9	19 16	19 13	16 19	16 50	3 24
S 18	13 5	5 39	4 58	4 26	0 12	16 50	1 7	17 43	6 46	23 30	0 1	14 1	1 40	10 51	0 29	16 48	1 43	8 44	12 9	19 13	19 13	16 20	16 49	3 25
S 19	12 45	0 38	4 39	3 45	0 20	16 28	1 9	17 48	6 45	23 30	0 1	14 3	1 40	10 52	0 29	16 48	1 43	8 44	12 9	19 10	19 12	16 21	16 49	3 25
M20	12 25	4s28	4 2	3 4	0 29	16 6	1 10	17 53	6 44	23 30	0 2	14 5	1 40	10 53	0 29	16 48	1 43	8 44	12 10	19 8	19 11	16 23	16 49	3 25
T 21	12 5	9 21	3 10	2 23	0 37	15 44	1 12	17 58	6 43	23 30	0 2	14 6	1 40	10 54	0 29	16 49	1 43	8 44	12 10	19 6	19 10	16 24	16 49	3 26
W22	11 45	13 41	2 6	1 43	0 46	15 21	1 13	18 2	6 42	23 30	0 2	14 8	1 40	10 54	0 29	16 49	1 43	8 44	12 10	19 5	19 10	16 25	16 49	3 26
T 23	11 25	17 12	0 54	1 3	0 55	14 58	1 14	18 7	6 41	23 30	0 2	14 10	1 40	10 55	0 29	16 49	1 43	8 43	12 10	19 5	19 9	16 26	16 49	3 26
F 24	11 4	19 39	0n21	0 24	1 4	14 34	1 15	18 11	6 39	23 30	0 2	14 11	1 40	10 56	0 29	16 49	1 43	8 43	12 11	19 5	19 8	16 28	16 49	3 27
S 25	10 43	20 52	1 34	0s15	1 13	14 10	1 16	18 15	6 38	23 30	0 2	14 13	1 40	10 57	0 29	16 49	1 43	8 43	12 11	19 5	19 7	16 29	16 49	3 27
S 26	10 23	20 47	2 40	0 53	1 22	13 46	1 17	18 19	6 36	23 31	0 2	14 14	1 40	10 58	0 29	16 50	1 43	8 43	12 11	19 5	19 6	16 30	16 48	3 27
M27	10 2	19 28	3 36	1 30	1 31	13 21	1 18	18 22	6 34	23 31	0 2	14 16	1 40	10 59	0 29	16 50	1 43	8 43	12 11	19 4	19 6	16 31	16 48	3 28
T 28	9 40	17 4	4 19	2 6	1 40	12 56	1 19	18 26	6 31	23 31	0 3	14 17	1 40	11 0	0 29	16 50	1 43	8 42	12 11	19 2	19 5	16 33	16 48	3 28
W29	9 19	13 47	4 48	2 42	1 49	12 30	1 20	18 28	6 29	23 31	0 3	14 19	1 40	11 1	0 29	16 50	1 43	8 42	12 12	19 0	19 4	16 34	16 48	3 28
T 30	8 57	9 52	5 0	3 17	1 58	12 4	1 21	18 31	6 26	23 31	0 3	14 21	1 40	11 2	0 29	16 51	1 43	8 42	12 12	18 57	19 3	16 35	16 48	3 29
F 31	8n36	5s33	4n57	3s51	2s 7	11n38	1n21	18s33	6s23	23s31	0s 3	14s22	1s40	11s 3	0n29	16s51	1n43	8n42	12s12	18s54	19s 3	16n36	16n47	3s29

Julian Day Number = 2320270.5, Delta T = 49.96 sec
Ecliptic obliquity = 23°29'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'25, Lahiri = 18°50'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

SEPTEMBER 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 42 38	8♍56'32	16♓25	5♎48	4♍24	26°R41	28♐11	26°R10	0♏ 2	22♏49	2°R22	24°R10	24♏55	12♉17	0♊ 2	S 1
S 2	22 46 35	9°54'45	28°54	6°48	5°38	26♒28	28°13	26♒ 5	0° 5	22°50	2♊22	23♏59	24°52	12°24	0° 2	S 2
M 3	22 50 31	10°53'01	11♈ 9	7°45	6°53	26°15	28°14	26° 1	0° 7	22°51	2°21	23°49	24°48	12°30	0° 2	M 3
T 4	22 54 28	11°51'18	23°12	8°39	8° 7	26° 3	28°16	25°57	0°10	22°52	2°21	23°43	24°45	12°37	0° 2	T 4
W 5	22 58 25	12°49'37	5♉ 6	9°30	9°22	25°52	28°18	25°52	0°13	22°53	2°21	23°39	24°42	12°44	0°R 2	W 5
T 6	23 2 21	13°47'58	16°54	10°18	10°36	25°40	28°21	25°48	0°16	22°54	2°21	23°37	24°39	12°50	0° 2	T 6
F 7	23 6 18	14°46'22	28°42	11° 2	11°51	25°30	28°23	25°44	0°19	22°55	2°21	23°D37	24°36	12°57	0° 2	F 7
S 8	23 10 14	15°44'47	10♊33	11°43	13° 6	25°20	28°26	25°40	0°22	22°56	2°21	23°R38	24°33	13° 4	0° 2	S 8
S 9	23 14 11	16°43'15	22°34	12°20	14°20	25°11	28°29	25°36	0°25	22°57	2°21	23°38	24°29	13°10	0° 2	S 9
M10	23 18 7	17°41'45	4♋50	12°53	15°35	25° 2	28°32	25°32	0°28	22°58	2°21	23°36	24°26	13°17	0° 2	M10
T 11	23 22 4	18°40'17	17°26	13°21	16°50	24°55	28°35	25°28	0°31	22°59	2°20	23°33	24°23	13°24	0° 1	T 11
W12	23 26 0	19°38'51	0♌26	13°44	18° 4	24°48	28°38	25°24	0°34	23° 0	2°20	23°27	24°20	13°30	0° 1	W12
T 13	23 29 57	20°37'28	13°51	14° 2	19°19	24°41	28°42	25°20	0°37	23° 2	2°20	23°19	24°17	13°37	0° 0	T 13
F 14	23 33 54	21°36'06	27°43	14°14	20°34	24°36	28°45	25°16	0°40	23° 3	2°20	23° 9	24°13	13°44	29♉59	F 14
S 15	23 37 50	22°34'47	11♍59	14°R20	21°49	24°31	28°49	25°12	0°43	23° 4	2°19	22°59	24°10	13°50	29°59	S 15
S 16	23 41 47	23°33'29	26°32	14°20	23° 3	24°27	28°53	25° 9	0°46	23° 6	2°19	22°50	24° 7	13°57	29°58	S 16
M17	23 45 43	24°32'14	11♎17	14°14	24°18	24°23	28°58	25° 5	0°49	23° 7	2°19	22°43	24° 4	14° 4	29°58	M17
T 18	23 49 40	25°31'00	26° 5	14° 0	25°33	24°21	29° 2	25° 1	0°52	23° 8	2°18	22°38	24° 1	14°10	29°57	T 18
W19	23 53 36	26°29'49	10♏50	13°39	26°48	24°19	29° 7	24°58	0°56	23°10	2°18	22°35	23°58	14°17	29°56	W19
T 20	23 57 33	27°28'39	25°23	13°10	28° 3	24°D19	29°11	24°54	0°59	23°11	2°18	22°D35	23°54	14°23	29°55	T 20
F 21	0 1 29	28°27'31	9♐43	12°35	29°17	24°19	29°16	24°51	1° 2	23°13	2°17	22°35	23°51	14°30	29°54	F 21
S 22	0 5 26	29°26'24	23°47	11°52	0♎32	24°19	29°21	24°48	1° 6	23°14	2°17	22°R36	23°48	14°37	29°53	S 22
S 23	0 9 22	0♎25'20	7♑34	11° 2	1°47	24°21	29°27	24°44	1° 9	23°16	2°16	22°36	23°45	14°43	29°52	S 23
M24	0 13 19	1°24'17	21° 6	10° 6	3° 2	24°24	29°32	24°41	1°12	23°17	2°16	22°34	23°42	14°50	29°50	M24
T 25	0 17 16	2°23'16	4♒22	9° 5	4°17	24°27	29°38	24°38	1°16	23°19	2°16	22°30	23°39	14°57	29°49	T 25
W26	0 21 12	3°22'16	17°25	7°59	5°32	24°31	29°43	24°35	1°19	23°20	2°15	22°24	23°35	15° 3	29°48	W26
T 27	0 25 9	4°21'19	0♓14	6°51	6°47	24°36	29°49	24°32	1°23	23°22	2°15	22°16	23°32	15°10	29°46	T 27
F 28	0 29 5	5°20'23	12°52	5°42	8° 2	24°41	29°55	24°29	1°26	23°24	2°14	22° 8	23°29	15°17	29°45	F 28
S 29	0 33 2	6°19'29	25°18	4°33	9°16	24°47	0♑ 2	24°27	1°29	23°25	2°13	21°59	23°26	15°23	29°43	S 29
S 30	0 36 58	7♎18'37	7♈33	3♎27	10♎31	24♒55	0♑ 8	24♒24	1♏33	23♏27	2♊13	21♏51	23♏23	15♉30	29♉42	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n14	1s 5	4n39	4s24	2s16	11n11	1n22	18s35	6s20	23s31	0s 3	14s24	1s40	11s 4	0n29	16s51	1n43	8n42	12s12	18s51	19s 2	16n38	16n47	3s29
S 2	7 52	3n21	4 8	4 55	2 25	10 44	1 23	18 37	6 17	23 31	0 3	14 25	1 40	11 4	0 29	16 52	1 43	8 41	12 13	18 48	19 1	16 39	16 47	3 30
M 3	7 30	7 34	3 25	5 26	2 33	10 17	1 23	18 39	6 14	23 32	0 3	14 27	1 40	11 5	0 29	16 52	1 43	8 41	12 13	18 46	19 0	16 40	16 46	3 30
T 4	7 8	11 25	2 34	5 55	2 42	9 50	1 24	18 40	6 11	23 32	0 3	14 28	1 40	11 6	0 29	16 52	1 42	8 41	12 13	18 44	19 0	16 41	16 46	3 30
W 5	6 45	14 46	1 37	6 23	2 50	9 22	1 24	18 40	6 7	23 32	0 3	14 30	1 40	11 7	0 29	16 52	1 42	8 41	12 13	18 43	18 59	16 42	16 46	3 31
T 6	6 23	17 29	0 36	6 49	2 58	8 54	1 24	18 41	6 4	23 32	0 4	14 31	1 40	11 8	0 28	16 53	1 42	8 40	12 13	18 43	18 58	16 44	16 46	3 31
F 7	6 0	19 28	0s27	7 13	3 6	8 26	1 25	18 41	6 0	23 32	0 4	14 32	1 40	11 10	0 28	16 53	1 42	8 40	12 14	18 43	18 57	16 45	16 45	3 31
S 8	5 38	20 36	1 29	7 36	3 13	7 58	1 25	18 41	5 56	23 32	0 4	14 34	1 40	11 11	0 28	16 53	1 42	8 40	12 14	18 43	18 56	16 46	16 45	3 32
S 9	5 15	20 49	2 28	7 57	3 20	7 29	1 25	18 40	5 52	23 32	0 4	14 35	1 40	11 12	0 28	16 54	1 42	8 40	12 14	18 43	18 56	16 47	16 44	3 32
M10	4 52	20 2	3 22	8 16	3 27	7 0	1 25	18 39	5 48	23 33	0 4	14 37	1 40	11 13	0 28	16 54	1 42	8 39	12 14	18 43	18 55	16 48	16 44	3 32
T 11	4 29	18 16	4 7	8 33	3 33	6 31	1 25	18 38	5 44	23 33	0 4	14 38	1 40	11 14	0 28	16 54	1 42	8 39	12 15	18 42	18 54	16 50	16 44	3 33
W12	4 6	15 32	4 41	8 47	3 38	6 2	1 25	18 37	5 40	23 33	0 4	14 39	1 40	11 15	0 28	16 55	1 42	8 39	12 15	18 40	18 53	16 51	16 43	3 33
T 13	3 43	11 54	5 0	8 58	3 43	5 32	1 25	18 35	5 35	23 33	0 4	14 41	1 40	11 16	0 28	16 55	1 42	8 39	12 15	18 38	18 53	16 52	16 43	3 33
F 14	3 20	7 32	5 4	9 7	3 47	5 2	1 25	18 32	5 31	23 33	0 4	14 42	1 40	11 17	0 28	16 56	1 42	8 38	12 15	18 36	18 52	16 53	16 42	3 34
S 15	2 57	2 38	4 48	9 12	3 50	4 33	1 24	18 30	5 27	23 33	0 5	14 43	1 40	11 18	0 28	16 56	1 42	8 38	12 15	18 33	18 51	16 54	16 42	3 34
S 16	2 34	2s30	4 14	9 14	3 52	4 3	1 24	18 27	5 22	23 33	0 5	14 44	1 40	11 19	0 28	16 56	1 42	8 38	12 16	18 31	18 50	16 55	16 41	3 34
M17	2 10	7 35	3 23	9 12	3 53	3 33	1 24	18 24	5 17	23 34	0 5	14 46	1 40	11 20	0 28	16 57	1 42	8 38	12 16	18 29	18 49	16 57	16 41	3 35
T 18	1 47	12 13	2 17	9 7	3 53	3 3	1 23	18 20	5 13	23 34	0 5	14 47	1 40	11 22	0 28	16 57	1 42	8 37	12 16	18 28	18 49	16 58	16 40	3 35
W19	1 24	16 6	1 3	8 57	3 52	2 32	1 23	18 17	5 8	23 34	0 5	14 48	1 40	11 23	0 28	16 57	1 42	8 37	12 16	18 27	18 48	16 59	16 40	3 35
T 20	1 0	18 54	0n15	8 43	3 49	2 2	1 22	18 12	5 4	23 34	0 5	14 49	1 40	11 24	0 28	16 58	1 42	8 37	12 16	18 27	18 47	17 0	16 39	3 36
F 21	0 37	20 27	1 31	8 25	3 44	1 32	1 21	18 8	4 59	23 34	0 5	14 50	1 40	11 25	0 28	16 58	1 42	8 37	12 17	18 27	18 46	17 1	16 39	3 36
S 22	0 13	20 41	2 40	8 2	3 37	1 1	1 21	18 3	4 54	23 34	0 5	14 51	1 40	11 26	0 28	16 59	1 42	8 36	12 17	18 27	18 46	17 2	16 38	3 36
S 23	0s10	19 38	3 38	7 35	3 29	0 31	1 20	17 58	4 50	23 34	0 5	14 52	1 40	11 27	0 28	16 59	1 41	8 36	12 17	18 27	18 45	17 4	16 38	3 37
M24	0 34	17 30	4 23	7 3	3 19	0 0	1 19	17 53	4 45	23 35	0 5	14 53	1 40	11 29	0 28	17 0	1 41	8 36	12 17	18 27	18 44	17 5	16 37	3 37
T 25	0 57	14 28	4 53	6 28	3 7	0s30	1 18	17 48	4 40	23 35	0 6	14 54	1 40	11 30	0 28	17 0	1 41	8 35	12 17	18 26	18 43	17 6	16 37	3 37
W26	1 21	10 46	5 6	5 49	2 53	1 1	1 17	17 42	4 35	23 35	0 6	14 55	1 40	11 31	0 28	17 0	1 41	8 35	12 18	18 24	18 42	17 7	16 36	3 38
T 27	1 44	6 39	5 5	5 8	2 37	1 32	1 16	17 36	4 31	23 35	0 6	14 56	1 40	11 32	0 28	17 1	1 41	8 35	12 18	18 22	18 42	17 8	16 35	3 38
F 28	2 8	2 18	4 48	4 24	2 20	2 2	1 15	17 30	4 26	23 35	0 6	14 57	1 40	11 33	0 28	17 1	1 41	8 35	12 18	18 20	18 41	17 9	16 35	3 38
S 29	2 31	2n 4	4 18	3 40	2 1	2 33	1 14	17 23	4 21	23 35	0 6	14 58	1 40	11 35	0 28	17 2	1 41	8 34	12 18	18 18	18 40	17 10	16 34	3 39
S 30	2s54	6n18	3n36	2s56	1s41	3s 3	1n13	17s16	4s17	23s35	0s 6	14s59	1s40	11s36	0n28	17s 2	1n41	8n34	12s18	18s16	18s39	17n11	16n33	3s39

Julian Day Number = 2320301.5, Delta T = 49.90 sec
Ecliptic obliquity = 23°29'05, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'30, Lahiri = 18°50'30Greg. Calendar

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OCTOBER 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 40 55	8♎17'47	19♈38	2°R26	11♎46	25♒ 2	0♑14	24°R21	1♏36	23♏29	2°R12	21°R45	23♏19	15♉37	29°R40	M 1
T 2	0 44 51	9°17'00	1♉34	1♎30	13° 1	25°11	0°21	24♒19	1°40	23°30	2♊12	21♏41	23°16	15°43	29♉38	T 2
W 3	0 48 48	10°16'15	13°24	0°43	14°16	25°20	0°28	24°16	1°44	23°32	2°11	21°39	23°13	15°50	29°36	W 3
T 4	0 52 45	11°15'31	25°11	0° 4	15°31	25°30	0°35	24°14	1°47	23°34	2°10	21°D39	23°10	15°57	29°35	T 4
F 5	0 56 41	12°14'51	6♊58	29♍36	16°46	25°41	0°42	24°12	1°51	23°36	2°10	21°40	23° 7	16° 3	29°33	F 5
S 6	1 0 38	13°14'12	18°49	29°17	18° 1	25°52	0°49	24° 9	1°54	23°37	2° 9	21°41	23° 4	16°10	29°31	S 6
S 7	1 4 34	14°13'36	0♋49	29°D10	19°16	26° 4	0°57	24° 7	1°58	23°39	2° 8	21°43	23° 0	16°16	29°29	S 7
M 8	1 8 31	15°13'02	13° 3	29°14	20°31	26°17	1° 4	24° 5	2° 2	23°41	2° 8	21°R44	22°57	16°23	29°27	M 8
T 9	1 12 27	16°12'30	25°35	29°29	21°46	26°30	1°12	24° 3	2° 5	23°43	2° 7	21°43	22°54	16°30	29°24	T 9
W10	1 16 24	17°12'01	8♌31	29°53	23° 1	26°44	1°20	24° 1	2° 9	23°45	2° 6	21°41	22°51	16°36	29°22	W10
T 11	1 20 20	18°11'34	21°54	0♎28	24°16	26°59	1°28	24° 0	2°12	23°47	2° 5	21°38	22°48	16°43	29°20	T 11
F 12	1 24 17	19°11'09	5♍45	1°11	25°31	27°14	1°36	23°58	2°16	23°49	2° 5	21°33	22°44	16°50	29°18	F 12
S 13	1 28 14	20°10'47	20° 3	2° 3	26°46	27°30	1°44	23°57	2°20	23°51	2° 4	21°29	22°41	16°56	29°15	S 13
S 14	1 32 10	21°10'26	4♎45	3° 2	28° 1	27°47	1°53	23°55	2°24	23°53	2° 3	21°24	22°38	17° 3	29°13	S 14
M15	1 36 7	22°10'08	19°43	4° 7	29°16	28° 4	2° 1	23°54	2°27	23°55	2° 2	21°20	22°35	17°10	29°10	M15
T 16	1 40 3	23° 9'52	4♏50	5°18	0♏31	28°21	2°10	23°53	2°31	23°56	2° 1	21°18	22°32	17°16	29° 8	T 16
W17	1 44 0	24° 9'38	19°55	6°35	1°46	28°40	2°19	23°51	2°35	23°58	2° 0	21°D17	22°29	17°23	29° 5	W17
T 18	1 47 56	25° 9'26	4♐50	7°55	3° 1	28°58	2°28	23°50	2°38	24° 1	2° 0	21°18	22°25	17°30	29° 3	T 18
F 19	1 51 53	26° 9'15	19°29	9°19	4°17	29°18	2°37	23°49	2°42	24° 3	1°59	21°19	22°22	17°36	29° 0	F 19
S 20	1 55 49	27° 9'06	3♑47	10°46	5°32	29°37	2°46	23°49	2°46	24° 5	1°58	21°20	22°19	17°43	28°57	S 20
S 21	1 59 46	28° 8'59	17°42	12°16	6°47	29°58	2°55	23°48	2°50	24° 7	1°57	21°22	22°16	17°49	28°55	S 21
M22	2 3 43	29° 8'54	1♒14	13°48	8° 2	0♓19	3° 5	23°47	2°53	24° 9	1°56	21°R22	22°13	17°56	28°52	M22
T 23	2 7 39	0♏ 8'50	14°25	15°21	9°17	0°40	3°14	23°47	2°57	24°11	1°55	21°21	22°10	18° 3	28°49	T 23
W24	2 11 36	1° 8'48	27°17	16°56	10°32	1° 2	3°24	23°46	3° 1	24°13	1°54	21°20	22° 6	18° 9	28°46	W24
T 25	2 15 32	2° 8'47	9♓53	18°32	11°47	1°24	3°34	23°46	3° 5	24°15	1°53	21°17	22° 3	18°16	28°43	T 25
F 26	2 19 29	3° 8'49	22°15	20° 9	13° 2	1°47	3°44	23°46	3° 8	24°17	1°52	21°14	22° 0	18°23	28°40	F 26
S 27	2 23 25	4° 8'51	4♈26	21°46	14°17	2°10	3°54	23°46	3°12	24°19	1°51	21°11	21°57	18°29	28°37	S 27
S 28	2 27 22	5° 8'56	16°28	23°24	15°32	2°34	4° 4	23°D45	3°16	24°21	1°50	21° 9	21°54	18°36	28°34	S 28
M29	2 31 18	6° 9'02	28°24	25° 2	16°47	2°58	4°14	23°46	3°20	24°24	1°49	21° 7	21°50	18°43	28°31	M29
T 30	2 35 15	7° 9'11	10♉14	26°41	18° 2	3°22	4°24	23°46	3°23	24°26	1°48	21° 6	21°47	18°49	28°28	T 30
W31	2 39 11	8♏ 9'21	22♉ 2	28♎19	19♏17	3♓47	4♑35	23♒46	3♏27	24♏28	1♊47	21°D 6	21♏44	18♉56	28♉25	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s18	10n14	2n45	2s12	1s21	3s34	1n12	17s 9	4s12	23s35	0s 6	15s 0	1s40	11s37	0n28	17s 3	1n41	8n34	12s19	18s14	18s38	17n12	16n33	3s39
T 2	3 41	13 43	1 47	1 32	1 0	4 4	1 10	17 2	4 8	23 35	0 6	15 1	1 40	11 38	0 28	17 3	1 41	8 33	12 19	18 13	18 38	17 14	16 32	3 40
W 3	4 4	16 36	0 45	0 54	0 40	4 35	1 9	16 54	4 3	23 35	0 6	15 1	1 40	11 40	0 28	17 4	1 41	8 33	12 19	18 13	18 37	17 15	16 31	3 40
T 4	4 28	18 47	0s19	0 20	0 20	5 5	1 8	16 47	3 58	23 35	0 6	15 2	1 40	11 41	0 28	17 4	1 41	8 33	12 19	18 13	18 36	17 16	16 31	3 40
F 5	4 51	20 9	1 23	0n 9	0 1	5 35	1 6	16 39	3 54	23 36	0 7	15 3	1 40	11 42	0 28	17 5	1 41	8 33	12 19	18 13	18 35	17 17	16 30	3 41
S 6	5 14	20 38	2 23	0 33	0n17	6 5	1 5	16 31	3 49	23 36	0 7	15 3	1 39	11 43	0 28	17 5	1 41	8 32	12 19	18 13	18 34	17 18	16 29	3 41
S 7	5 37	20 11	3 18	0 51	0 34	6 35	1 3	16 22	3 45	23 36	0 7	15 4	1 39	11 45	0 28	17 6	1 41	8 32	12 20	18 14	18 34	17 19	16 29	3 41
M 8	6 0	18 47	4 5	1 4	0 50	7 5	1 1	16 14	3 41	23 36	0 7	15 5	1 39	11 46	0 28	17 6	1 41	8 32	12 20	18 14	18 33	17 20	16 28	3 41
T 9	6 23	16 27	4 41	1 11	1 4	7 34	1 0	16 5	3 36	23 36	0 7	15 5	1 39	11 47	0 28	17 7	1 41	8 31	12 20	18 14	18 32	17 21	16 27	3 42
W10	6 46	13 16	5 5	1 12	1 16	8 4	0 58	15 56	3 32	23 36	0 7	15 6	1 39	11 48	0 28	17 7	1 41	8 31	12 20	18 13	18 31	17 22	16 26	3 42
T 11	7 9	9 18	5 13	1 9	1 27	8 33	0 56	15 47	3 27	23 36	0 7	15 6	1 39	11 50	0 28	17 8	1 41	8 31	12 20	18 12	18 30	17 23	16 26	3 42
F 12	7 32	4 43	5 3	1 0	1 36	9 2	0 55	15 38	3 23	23 36	0 7	15 7	1 39	11 51	0 28	17 8	1 41	8 31	12 20	18 11	18 30	17 24	16 25	3 43
S 13	7 54	0s16	4 35	0 47	1 44	9 31	0 53	15 28	3 19	23 36	0 7	15 7	1 39	11 52	0 28	17 9	1 41	8 30	12 20	18 10	18 29	17 25	16 24	3 43
S 14	8 17	5 23	3 48	0 29	1 51	10 0	0 51	15 19	3 15	23 36	0 7	15 8	1 39	11 54	0 28	17 9	1 41	8 30	12 21	18 9	18 28	17 26	16 23	3 43
M15	8 39	10 16	2 45	0 8	1 56	10 28	0 49	15 9	3 11	23 36	0 7	15 8	1 39	11 55	0 28	17 10	1 41	8 30	12 21	18 8	18 27	17 27	16 22	3 43
T 16	9 1	14 33	1 29	0s17	2 0	10 57	0 47	14 59	3 7	23 36	0 8	15 8	1 39	11 56	0 28	17 10	1 41	8 29	12 21	18 7	18 26	17 28	16 22	3 44
W17	9 23	17 52	0 8	0 44	2 2	11 25	0 45	14 49	3 3	23 36	0 8	15 9	1 39	11 57	0 28	17 11	1 41	8 29	12 21	18 7	18 25	17 30	16 21	3 44
T 18	9 45	19 56	1n14	1 15	2 4	11 52	0 43	14 38	2 59	23 35	0 8	15 9	1 39	11 59	0 28	17 11	1 41	8 29	12 21	18 7	18 25	17 31	16 20	3 44
F 19	10 7	20 35	2 29	1 47	2 5	12 20	0 41	14 28	2 55	23 35	0 8	15 9	1 38	12 0	0 28	17 12	1 40	8 29	12 21	18 7	18 24	17 32	16 19	3 44
S 20	10 29	19 53	3 33	2 22	2 4	12 47	0 39	14 17	2 51	23 35	0 8	15 9	1 38	12 1	0 28	17 12	1 40	8 28	12 21	18 8	18 23	17 33	16 18	3 45
S 21	10 50	17 58	4 23	2 58	2 3	13 14	0 37	14 6	2 47	23 35	0 8	15 10	1 38	12 3	0 28	17 13	1 40	8 28	12 22	18 8	18 22	17 34	16 18	3 45
M22	11 12	15 6	4 57	3 35	2 1	13 40	0 34	13 55	2 43	23 35	0 8	15 10	1 38	12 4	0 28	17 13	1 40	8 28	12 22	18 8	18 21	17 35	16 17	3 45
T 23	11 33	11 32	5 13	4 14	1 59	14 6	0 32	13 44	2 39	23 35	0 8	15 10	1 38	12 5	0 28	17 14	1 40	8 27	12 22	18 8	18 21	17 36	16 16	3 45
W24	11 54	7 31	5 14	4 53	1 56	14 32	0 30	13 33	2 36	23 35	0 8	15 10	1 38	12 6	0 28	17 14	1 40	8 27	12 22	18 8	18 20	17 37	16 15	3 46
T 25	12 15	3 15	4 59	5 33	1 52	14 58	0 28	13 22	2 32	23 35	0 8	15 10	1 38	12 8	0 28	17 15	1 40	8 27	12 22	18 7	18 19	17 38	16 14	3 46
F 26	12 35	1n 4	4 31	6 13	1 48	15 23	0 25	13 10	2 28	23 34	0 8	15 10	1 38	12 9	0 28	17 15	1 40	8 27	12 22	18 6	18 18	17 39	16 13	3 46
S 27	12 56	5 17	3 51	6 54	1 44	15 47	0 23	12 58	2 25	23 34	0 9	15 10	1 38	12 10	0 28	17 16	1 40	8 26	12 22	18 5	18 17	17 40	16 13	3 46
S 28	13 16	9 16	3 0	7 35	1 39	16 12	0 21	12 46	2 21	23 34	0 9	15 10	1 38	12 12	0 28	17 17	1 40	8 26	12 22	18 5	18 16	17 41	16 12	3 47
M29	13 36	12 50	2 3	8 15	1 34	16 35	0 18	12 35	2 18	23 34	0 9	15 10	1 38	12 13	0 28	17 17	1 40	8 26	12 22	18 4	18 16	17 42	16 11	3 47
T 30	13 56	15 52	1 0	8 56	1 28	16 59	0 16	12 22	2 14	23 33	0 9	15 9	1 37	12 14	0 28	17 18	1 40	8 26	12 22	18 4	18 15	17 43	16 10	3 47
W31	14s15	18n14	0s 5	9s37	1n22	17s22	0n14	12s10	2s11	23s33	0s 9	15s 9	1s37	12s15	0n28	17s18	1n40	8n25	12s22	18s 4	18s14	17n44	16n 9	3s47

Julian Day Number = 2320331.5, Delta T = 49.84 sec
Ecliptic obliquity = 23°29'05, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'34, Lahiri = 18°50'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

NOVEMBER 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 43 8	9♏ 9'33	3♊49	29♎57	20♏32	4♓13	4♑45	23♒46	3♏31	24♏30	1°R46	21♏ 6	21♏41	19♉ 3	28°R22	T 1
F 2	2 47 5	10° 9'47	15°39	1♏35	21°48	4°38	4°56	23°47	3°35	24°32	1♊45	21° 7	21°38	19° 9	28♉19	F 2
S 3	2 51 1	11°10'03	27°33	3°13	23° 3	5° 4	5° 7	23°48	3°38	24°35	1°44	21° 8	21°35	19°16	28°15	S 3
S 4	2 54 58	12°10'20	9♋36	4°51	24°18	5°30	5°17	23°48	3°42	24°37	1°43	21° 9	21°31	19°22	28°12	S 4
M 5	2 58 54	13°10'40	21°50	6°29	25°33	5°57	5°28	23°49	3°46	24°39	1°42	21°10	21°28	19°29	28° 9	M 5
T 6	3 2 51	14°11'02	4♌21	8° 6	26°48	6°24	5°39	23°50	3°50	24°41	1°41	21°10	21°25	19°36	28° 6	T 6
W 7	3 6 47	15°11'26	17°12	9°44	28° 3	6°52	5°51	23°51	3°53	24°43	1°40	21°R10	21°22	19°42	28° 2	W 7
T 8	3 10 44	16°11'51	0♍26	11°21	29°18	7°19	6° 2	23°52	3°57	24°46	1°39	21°10	21°19	19°49	27°59	T 8
F 9	3 14 40	17°12'19	14° 7	12°57	0♐33	7°47	6°13	23°53	4° 1	24°48	1°38	21°10	21°16	19°56	27°56	F 9
S 10	3 18 37	18°12'48	28°14	14°34	1°48	8°15	6°24	23°55	4° 4	24°50	1°36	21° 9	21°12	20° 2	27°52	S 10
S 11	3 22 34	19°13'19	12♎47	16°10	3° 3	8°44	6°36	23°56	4° 8	24°52	1°35	21° 9	21° 9	20° 9	27°49	S 11
M12	3 26 30	20°13'52	27°41	17°46	4°18	9°13	6°48	23°58	4°12	24°55	1°34	21° 9	21° 6	20°16	27°46	M12
T 13	3 30 27	21°14'27	12♏50	19°22	5°33	9°42	6°59	23°59	4°15	24°57	1°33	21°D 9	21° 3	20°22	27°42	T 13
W14	3 34 23	22°15'04	28° 4	20°57	6°49	10°12	7°11	24° 1	4°19	24°59	1°32	21°R 9	21° 0	20°29	27°39	W14
T 15	3 38 20	23°15'42	13♐13	22°32	8° 4	10°41	7°23	24° 3	4°23	25° 1	1°31	21° 9	20°56	20°36	27°35	T 15
F 16	3 42 16	24°16'21	28° 9	24° 7	9°19	11°11	7°35	24° 5	4°26	25° 4	1°30	21° 9	20°53	20°42	27°32	F 16
S 17	3 46 13	25°17'02	12♑44	25°42	10°34	11°42	7°47	24° 7	4°30	25° 6	1°29	21° 8	20°50	20°49	27°29	S 17
S 18	3 50 9	26°17'43	26°53	27°17	11°49	12°12	7°59	24° 9	4°33	25° 8	1°27	21° 8	20°47	20°56	27°25	S 18
M19	3 54 6	27°18'26	10♒35	28°51	13° 4	12°43	8°11	24°11	4°37	25°10	1°26	21° 7	20°44	21° 2	27°22	M19
T 20	3 58 3	28°19'10	23°50	0♐25	14°19	13°14	8°23	24°13	4°40	25°13	1°25	21°D 7	20°41	21° 9	27°18	T 20
W21	4 1 59	29°19'55	6♓41	2° 0	15°34	13°45	8°35	24°16	4°44	25°15	1°24	21° 7	20°37	21°15	27°15	W21
T 22	4 5 56	0♐20'41	19°12	3°34	16°49	14°17	8°48	24°18	4°47	25°17	1°23	21° 7	20°34	21°22	27°11	T 22
F 23	4 9 52	1°21'28	1♈27	5° 8	18° 4	14°49	9° 0	24°21	4°51	25°19	1°22	21° 8	20°31	21°29	27° 8	F 23
S 24	4 13 49	2°22'16	13°29	6°41	19°19	15°21	9°13	24°24	4°54	25°22	1°21	21° 9	20°28	21°35	27° 5	S 24
S 25	4 17 45	3°23'05	25°23	8°15	20°34	15°53	9°25	24°27	4°58	25°24	1°20	21°11	20°25	21°42	27° 1	S 25
M26	4 21 42	4°23'55	7♉12	9°49	21°49	16°25	9°38	24°30	5° 1	25°26	1°18	21°12	20°21	21°49	26°58	M26
T 27	4 25 38	5°24'46	18°59	11°23	23° 4	16°58	9°51	24°33	5° 5	25°28	1°17	21°R12	20°18	21°55	26°54	T 27
W28	4 29 35	6°25'38	0♊48	12°56	24°20	17°30	10° 3	24°36	5° 8	25°31	1°16	21°12	20°15	22° 2	26°51	W28
T 29	4 33 32	7°26'31	12°39	14°30	25°35	18° 3	10°16	24°39	5°11	25°33	1°15	21°11	20°12	22° 9	26°48	T 29
F 30	4 37 28	8♐27'25	24♊35	16♐ 3	26♐50	18♓36	10♑29	24♒42	5♏15	25♏35	1♊14	21♏ 9	20♏ 9	22♉15	26♉44	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s34	19n48	1s10	10s17	1n16	17s44	0n11	11s58	2s 8	23s33	0s 9	15s 9	1s37	12s17	0n28	17s19	1n40	8n25	12s23	18s 4	18s13	17n45	16n 8	3s47
F 2	14 54	20 31	2 12	10 57	1 10	18 6	0 9	11 45	2 4	23 33	0 9	15 9	1 37	12 18	0 28	17 19	1 40	8 25	12 23	18 4	18 12	17 46	16 7	3 48
S 3	15 12	20 19	3 9	11 37	1 4	18 28	0 6	11 33	2 1	23 32	0 9	15 8	1 37	12 19	0 28	17 20	1 40	8 24	12 23	18 5	18 12	17 47	16 6	3 48
S 4	15 31	19 11	3 58	12 16	0 58	18 49	0 4	11 20	1 58	23 32	0 9	15 8	1 37	12 21	0 28	17 20	1 40	8 24	12 23	18 5	18 11	17 47	16 5	3 48
M 5	15 49	17 8	4 38	12 54	0 51	19 10	0 1	11 7	1 55	23 32	0 9	15 8	1 37	12 22	0 28	17 21	1 40	8 24	12 23	18 5	18 10	17 48	16 5	3 48
T 6	16 8	14 16	5 5	13 32	0 44	19 30	0s 1	10 54	1 52	23 31	0 9	15 7	1 37	12 23	0 28	17 21	1 40	8 24	12 23	18 5	18 9	17 49	16 4	3 48
W 7	16 25	10 40	5 17	14 10	0 38	19 49	0 4	10 41	1 49	23 31	0 9	15 7	1 37	12 24	0 28	17 22	1 40	8 24	12 23	18 5	18 8	17 50	16 3	3 49
T 8	16 43	6 26	5 14	14 46	0 31	20 8	0 6	10 28	1 46	23 30	0 10	15 6	1 36	12 26	0 28	17 23	1 40	8 23	12 23	18 5	18 7	17 51	16 2	3 49
F 9	17 0	1 45	4 53	15 22	0 24	20 27	0 8	10 15	1 43	23 30	0 10	15 6	1 36	12 27	0 28	17 23	1 40	8 23	12 23	18 5	18 7	17 52	16 1	3 49
S 10	17 17	3s11	4 14	15 58	0 17	20 44	0 11	10 2	1 40	23 29	0 10	15 5	1 36	12 28	0 28	17 24	1 40	8 23	12 23	18 5	18 6	17 53	16 0	3 49
S 11	17 34	8 6	3 18	16 32	0 11	21 2	0 13	9 48	1 37	23 29	0 10	15 5	1 36	12 29	0 28	17 24	1 40	8 23	12 23	18 5	18 5	17 54	15 59	3 49
M12	17 50	12 39	2 7	17 6	0 4	21 18	0 16	9 35	1 34	23 28	0 10	15 4	1 36	12 31	0 28	17 25	1 40	8 22	12 23	18 5	18 4	17 55	15 58	3 49
T 13	18 6	16 27	0 46	17 39	0s 3	21 34	0 18	9 21	1 31	23 28	0 10	15 4	1 36	12 32	0 28	17 25	1 40	8 22	12 23	18 5	18 3	17 56	15 57	3 49
W14	18 22	19 9	0n38	18 11	0 9	21 50	0 21	9 7	1 28	23 27	0 10	15 3	1 36	12 33	0 28	17 26	1 40	8 22	12 23	18 5	18 2	17 57	15 57	3 50
T 15	18 37	20 27	2 0	18 42	0 16	22 5	0 23	8 54	1 26	23 27	0 10	15 2	1 36	12 34	0 28	17 26	1 40	8 22	12 23	18 5	18 1	17 58	15 56	3 50
F 16	18 52	20 16	3 12	19 12	0 23	22 19	0 26	8 40	1 23	23 26	0 10	15 1	1 36	12 35	0 28	17 27	1 40	8 21	12 23	18 5	18 1	17 59	15 55	3 50
S 17	19 7	18 44	4 10	19 42	0 29	22 32	0 28	8 26	1 20	23 26	0 10	15 1	1 36	12 37	0 28	17 27	1 40	8 21	12 23	18 5	18 0	18 0	15 54	3 50
S 18	19 22	16 4	4 50	20 10	0 36	22 45	0 31	8 12	1 18	23 25	0 10	15 0	1 35	12 38	0 28	17 28	1 40	8 21	12 23	18 4	17 59	18 1	15 53	3 50
M19	19 36	12 36	5 13	20 37	0 42	22 57	0 33	7 57	1 15	23 24	0 10	14 59	1 35	12 39	0 28	17 29	1 40	8 21	12 23	18 4	17 58	18 1	15 52	3 50
T 20	19 49	8 36	5 18	21 4	0 48	23 9	0 35	7 43	1 13	23 24	0 11	14 58	1 35	12 40	0 28	17 29	1 40	8 21	12 23	18 4	17 57	18 2	15 51	3 50
W21	20 3	4 20	5 6	21 29	0 54	23 20	0 38	7 29	1 10	23 23	0 11	14 57	1 35	12 41	0 28	17 30	1 40	8 20	12 23	18 4	17 56	18 3	15 50	3 50
T 22	20 16	0n 2	4 41	21 53	1 0	23 30	0 40	7 14	1 8	23 22	0 11	14 56	1 35	12 43	0 28	17 30	1 40	8 20	12 23	18 4	17 56	18 4	15 50	3 50
F 23	20 28	4 17	4 3	22 17	1 6	23 39	0 42	7 0	1 5	23 21	0 11	14 55	1 35	12 44	0 28	17 31	1 40	8 20	12 23	18 5	17 55	18 5	15 49	3 51
S 24	20 40	8 19	3 15	22 39	1 12	23 48	0 45	6 45	1 3	23 21	0 11	14 54	1 35	12 45	0 28	17 31	1 40	8 20	12 23	18 5	17 54	18 6	15 48	3 51
S 25	20 52	11 59	2 19	23 0	1 17	23 56	0 47	6 31	1 1	23 20	0 11	14 53	1 35	12 46	0 28	17 32	1 40	8 20	12 23	18 5	17 53	18 7	15 47	3 51
M26	21 4	15 9	1 17	23 20	1 23	24 3	0 49	6 16	0 58	23 19	0 11	14 52	1 35	12 47	0 28	17 32	1 40	8 20	12 23	18 5	17 52	18 8	15 46	3 51
T 27	21 15	17 42	0 12	23 38	1 28	24 10	0 52	6 1	0 56	23 18	0 11	14 51	1 35	12 48	0 28	17 33	1 40	8 19	12 23	18 6	17 51	18 8	15 45	3 51
W28	21 25	19 29	0s53	23 56	1 33	24 15	0 54	5 46	0 54	23 17	0 11	14 50	1 35	12 49	0 28	17 33	1 40	8 19	12 23	18 6	17 51	18 9	15 45	3 51
T 29	21 36	20 26	1 56	24 12	1 38	24 21	0 56	5 31	0 52	23 16	0 11	14 49	1 34	12 51	0 28	17 34	1 40	8 19	12 23	18 5	17 50	18 10	15 44	3 51
F 30	21s45	20n28	2s55	24s27	1s42	24s25	0s58	5s16	0s49	23s15	0s11	14s48	1s34	12s52	0n28	17s34	1n40	8n19	12s23	18s 5	17s49	18n11	15n43	3s51

Julian Day Number = 2320362.5, Delta T = 49.78 sec
Ecliptic obliquity = 23°29'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'38, Lahiri = 18°50'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1640
geocentric

DECEMBER 1640 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 41 25	9♐28'21	6♋38	17♐37	28♐ 5	19♓10	10♑42	24♒45	5♏18	25♏37	1°R13	21°R 6	20♏ 6	22♉22	26°R41	S 1
S 2	4 45 21	10°29'18	18°51	19°10	29°20	19°43	10°55	24°49	5°21	25°40	1♊12	21♏ 3	20° 2	22°29	26♉38	S 2
M 3	4 49 18	11°30'15	1♌14	20°44	0♑35	20°17	11° 8	24°53	5°24	25°42	1°10	21° 0	19°59	22°35	26°34	M 3
T 4	4 53 14	12°31'14	13°50	22°17	1°50	20°50	11°21	24°56	5°28	25°44	1° 9	20°57	19°56	22°42	26°31	T 4
W 5	4 57 11	13°32'14	26°41	23°51	3° 5	21°24	11°34	25° 0	5°31	25°46	1° 8	20°55	19°53	22°48	26°28	W 5
T 6	5 1 7	14°33'15	9♍51	25°24	4°20	21°58	11°48	25° 4	5°34	25°48	1° 7	20°D54	19°50	22°55	26°25	T 6
F 7	5 5 4	15°34'17	23°22	26°58	5°35	22°32	12° 1	25° 8	5°37	25°50	1° 6	20°54	19°47	23° 2	26°21	F 7
S 8	5 9 1	16°35'20	7♎14	28°31	6°49	23° 7	12°14	25°12	5°40	25°53	1° 5	20°55	19°43	23° 8	26°18	S 8
S 9	5 12 57	17°36'24	21°29	0♑ 4	8° 4	23°41	12°27	25°16	5°43	25°55	1° 4	20°56	19°40	23°15	26°15	S 9
M10	5 16 54	18°37'30	6♏ 5	1°37	9°19	24°16	12°41	25°20	5°46	25°57	1° 3	20°58	19°37	23°22	26°12	M10
T 11	5 20 50	19°38'36	20°58	3°10	10°34	24°50	12°54	25°24	5°49	25°59	1° 2	20°R58	19°34	23°28	26° 9	T 11
W12	5 24 47	20°39'43	6♐ 1	4°43	11°49	25°25	13° 8	25°28	5°52	26° 1	1° 1	20°58	19°31	23°35	26° 6	W12
T 13	5 28 43	21°40'51	21° 6	6°15	13° 4	26° 0	13°21	25°33	5°55	26° 3	1° 0	20°55	19°27	23°42	26° 3	T 13
F 14	5 32 40	22°42'00	6♑ 5	7°47	14°19	26°35	13°35	25°37	5°58	26° 5	0°59	20°51	19°24	23°48	26° 0	F 14
S 15	5 36 37	23°43'08	20°47	9°18	15°34	27°11	13°48	25°42	6° 1	26° 7	0°57	20°46	19°21	23°55	25°57	S 15
S 16	5 40 33	24°44'18	5♒ 7	10°48	16°49	27°46	14° 2	25°47	6° 4	26° 9	0°56	20°41	19°18	24° 2	25°54	S 16
M17	5 44 30	25°45'27	18°59	12°18	18° 4	28°22	14°16	25°51	6° 6	26°11	0°55	20°36	19°15	24° 8	25°51	M17
T 18	5 48 26	26°46'36	2♓23	13°46	19°19	28°57	14°30	25°56	6° 9	26°13	0°54	20°32	19°12	24°15	25°48	T 18
W19	5 52 23	27°47'46	15°20	15°14	20°34	29°33	14°43	26° 1	6°12	26°15	0°53	20°29	19° 8	24°22	25°46	W19
T 20	5 56 19	28°48'56	27°54	16°39	21°49	0♈ 9	14°57	26° 6	6°14	26°17	0°52	20°D29	19° 5	24°28	25°43	T 20
F 21	6 0 16	29°50'05	10♈ 8	18° 3	23° 3	0°45	15°11	26°11	6°17	26°19	0°51	20°29	19° 2	24°35	25°40	F 21
S 22	6 4 12	0♑51'15	22° 8	19°25	24°18	1°21	15°25	26°16	6°20	26°21	0°50	20°31	18°59	24°41	25°37	S 22
S 23	6 8 9	1°52'25	3♉58	20°44	25°33	1°57	15°38	26°21	6°22	26°23	0°49	20°32	18°56	24°48	25°35	S 23
M24	6 12 6	2°53'34	15°45	22° 0	26°48	2°33	15°52	26°26	6°25	26°25	0°49	20°R33	18°53	24°55	25°32	M24
T 25	6 16 2	3°54'44	27°32	23°13	28° 3	3° 9	16° 6	26°32	6°27	26°27	0°48	20°33	18°49	25° 1	25°30	T 25
W26	6 19 59	4°55'54	9♊23	24°21	29°17	3°46	16°20	26°37	6°29	26°29	0°47	20°31	18°46	25° 8	25°27	W26
T 27	6 23 55	5°57'03	21°20	25°24	0♒32	4°22	16°34	26°42	6°32	26°31	0°46	20°27	18°43	25°15	25°25	T 27
F 28	6 27 52	6°58'13	3♋27	26°22	1°47	4°59	16°48	26°48	6°34	26°33	0°45	20°20	18°40	25°21	25°23	F 28
S 29	6 31 48	7°59'22	15°44	27°14	3° 1	5°35	17° 2	26°54	6°36	26°34	0°44	20°12	18°37	25°28	25°20	S 29
S 30	6 35 45	9° 0'32	28°12	27°58	4°16	6°12	17°16	26°59	6°39	26°36	0°43	20° 3	18°33	25°35	25°18	S 30
M31	6 39 41	10♑ 1'42	10♌52	28♑34	5♒31	6♈49	17♑30	27♒ 5	6♏41	26♏38	0♊42	19♏53	18♏30	25♉41	25♉16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s55	19n34	3s46	24s40	1s46	24s28	1s 0	5s 1	0s47	23s15	0s11	14s46	1s34	12s53	0n28	17s35	1n40	8n19	12s22	18s 4	17s48	18n12	15n42	3s51
S 2	22 4	17 45	4 27	24 53	1 51	24 31	1 2	4 46	0 45	23 14	0 12	14 45	1 34	12 54	0 28	17 35	1 40	8 19	12 22	18 3	17 47	18 13	15 41	3 51
M 3	22 12	15 6	4 57	25 4	1 54	24 33	1 4	4 31	0 43	23 13	0 12	14 44	1 34	12 55	0 28	17 36	1 40	8 19	12 22	18 2	17 46	18 14	15 41	3 51
T 4	22 20	11 42	5 13	25 13	1 58	24 35	1 6	4 16	0 41	23 12	0 12	14 43	1 34	12 56	0 28	17 36	1 40	8 18	12 22	18 2	17 45	18 14	15 40	3 51
W 5	22 28	7 43	5 14	25 22	2 1	24 35	1 8	4 1	0 39	23 10	0 12	14 41	1 34	12 57	0 28	17 37	1 40	8 18	12 22	18 1	17 45	18 15	15 39	3 51
T 6	22 35	3 17	4 58	25 28	2 4	24 35	1 10	3 46	0 37	23 9	0 12	14 40	1 34	12 58	0 28	17 37	1 40	8 18	12 22	18 1	17 44	18 16	15 38	3 51
F 7	22 42	1s26	4 26	25 34	2 7	24 34	1 12	3 30	0 35	23 8	0 12	14 38	1 34	12 59	0 28	17 38	1 40	8 18	12 22	18 1	17 43	18 17	15 38	3 51
S 8	22 48	6 13	3 38	25 38	2 9	24 32	1 14	3 15	0 33	23 7	0 12	14 37	1 34	13 0	0 28	17 38	1 40	8 18	12 22	18 1	17 42	18 18	15 37	3 51
S 9	22 54	10 47	2 35	25 40	2 11	24 30	1 16	3 0	0 31	23 6	0 12	14 36	1 34	13 1	0 28	17 39	1 40	8 18	12 22	18 1	17 41	18 19	15 36	3 51
M10	23 0	14 51	1 21	25 41	2 13	24 26	1 17	2 44	0 30	23 5	0 12	14 34	1 33	13 2	0 28	17 39	1 40	8 18	12 22	18 2	17 40	18 19	15 35	3 51
T 11	23 5	18 2	0 0	25 41	2 14	24 22	1 19	2 29	0 28	23 4	0 12	14 33	1 33	13 3	0 28	17 40	1 40	8 18	12 22	18 2	17 39	18 20	15 35	3 51
W12	23 9	20 1	1n22	25 38	2 15	24 18	1 21	2 13	0 26	23 2	0 12	14 31	1 33	13 4	0 28	17 40	1 40	8 18	12 21	18 2	17 39	18 21	15 34	3 51
T 13	23 13	20 34	2 38	25 35	2 15	24 12	1 22	1 58	0 24	23 1	0 12	14 29	1 33	13 5	0 28	17 41	1 40	8 17	12 21	18 1	17 38	18 22	15 33	3 51
F 14	23 17	19 38	3 42	25 30	2 14	24 6	1 24	1 42	0 22	23 0	0 13	14 28	1 33	13 6	0 28	17 41	1 40	8 17	12 21	18 0	17 37	18 23	15 33	3 51
S 15	23 20	17 25	4 31	25 23	2 14	23 59	1 25	1 26	0 21	22 59	0 13	14 26	1 33	13 7	0 28	17 42	1 40	8 17	12 21	17 59	17 36	18 23	15 32	3 51
S 16	23 23	14 9	5 1	25 15	2 12	23 51	1 27	1 11	0 19	22 57	0 13	14 25	1 33	13 8	0 28	17 42	1 40	8 17	12 21	17 57	17 35	18 24	15 31	3 51
M17	23 25	10 13	5 12	25 5	2 10	23 43	1 28	0 55	0 17	22 56	0 13	14 23	1 33	13 9	0 28	17 43	1 40	8 17	12 21	17 56	17 34	18 25	15 31	3 51
T 18	23 27	5 53	5 6	24 53	2 8	23 34	1 29	0 39	0 16	22 54	0 13	14 21	1 33	13 10	0 28	17 43	1 40	8 17	12 21	17 55	17 33	18 26	15 30	3 51
W19	23 28	1 26	4 44	24 41	2 5	23 24	1 30	0 24	0 14	22 53	0 13	14 19	1 33	13 10	0 28	17 43	1 40	8 17	12 20	17 54	17 32	18 26	15 30	3 51
T 20	23 29	2n57	4 8	24 26	2 1	23 13	1 32	0 8	0 12	22 52	0 13	14 18	1 33	13 11	0 28	17 44	1 40	8 17	12 20	17 54	17 32	18 27	15 29	3 51
F 21	23 29	7 7	3 23	24 11	1 56	23 2	1 33	0n 8	0 11	22 50	0 13	14 16	1 33	13 12	0 28	17 44	1 40	8 17	12 20	17 54	17 31	18 28	15 28	3 51
S 22	23 29	10 56	2 29	23 54	1 50	22 50	1 34	0 24	0 9	22 49	0 13	14 14	1 33	13 13	0 28	17 45	1 40	8 17	12 20	17 55	17 30	18 29	15 28	3 51
S 23	23 28	14 16	1 29	23 36	1 44	22 37	1 35	0 39	0 8	22 47	0 13	14 12	1 32	13 14	0 28	17 45	1 41	8 17	12 20	17 55	17 29	18 30	15 27	3 51
M24	23 27	17 0	0 26	23 16	1 37	22 24	1 36	0 55	0 6	22 46	0 13	14 10	1 32	13 15	0 28	17 46	1 41	8 17	12 20	17 55	17 28	18 30	15 27	3 51
T 25	23 26	19 2	0s38	22 56	1 28	22 10	1 36	1 11	0 5	22 44	0 14	14 9	1 32	13 15	0 28	17 46	1 41	8 17	12 19	17 55	17 27	18 31	15 26	3 51
W26	23 24	20 15	1 40	22 35	1 19	21 55	1 37	1 27	0 3	22 42	0 14	14 7	1 32	13 16	0 28	17 46	1 41	8 17	12 19	17 55	17 26	18 32	15 26	3 51
T 27	23 21	20 33	2 39	22 13	1 9	21 40	1 38	1 43	0 2	22 41	0 14	14 5	1 32	13 17	0 28	17 47	1 41	8 17	12 19	17 54	17 25	18 33	15 25	3 50
F 28	23 18	19 56	3 31	21 51	0 57	21 24	1 39	1 58	0 1	22 39	0 14	14 3	1 32	13 18	0 28	17 47	1 41	8 17	12 19	17 52	17 25	18 33	15 25	3 50
S 29	23 15	18 21	4 14	21 29	0 45	21 8	1 39	2 14	0n 1	22 38	0 14	14 1	1 32	13 18	0 28	17 48	1 41	8 17	12 19	17 50	17 24	18 34	15 24	3 50
S 30	23 11	15 54	4 45	21 7	0 31	20 50	1 40	2 30	0 2	22 36	0 14	13 59	1 32	13 19	0 28	17 48	1 41	8 17	12 18	17 47	17 23	18 35	15 24	3 50
M31	23s 6	12n41	5s 3	20s45	0s16	20s33	1s40	2n46	0n 4	22s34	0s14	13s57	1s32	13s20	0n28	17s48	1n41	8n17	12s18	17s45	17s22	18n35	15n23	3s50

Julian Day Number = 2320392.5, Delta T = 49.72 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'42, Lahiri = 18°50'43Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

JANUARY 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 43 38	11♉ 2'51	23♌43	29♉ 0	6♒45	7♈25	17♉44	27♒11	6♏43	26♏40	0°R41	19°R44	18♏27	25♉48	25°R14	T 1
W 2	6 47 35	12° 4'01	6♍47	29°17	8° 0	8° 2	17°58	27°16	6°45	26°41	0♊41	19♏37	18°24	25°55	25♉12	W 2
T 3	6 51 31	13° 5'10	20° 4	29°R23	9°15	8°39	18°12	27°22	6°47	26°43	0°40	19°32	18°21	26° 1	25°10	T 3
F 4	6 55 28	14° 6'20	3♎34	29°18	10°29	9°16	18°26	27°28	6°49	26°45	0°39	19°30	18°18	26° 8	25° 8	F 4
S 5	6 59 24	15° 7'29	17°19	29° 1	11°44	9°53	18°40	27°34	6°51	26°47	0°38	19°D29	18°14	26°14	25° 6	S 5
S 6	7 3 21	16° 8'39	1♏19	28°32	12°58	10°30	18°54	27°40	6°53	26°48	0°37	19°30	18°11	26°21	25° 4	S 6
M 7	7 7 17	17° 9'49	15°34	27°52	14°13	11° 7	19° 8	27°46	6°55	26°50	0°37	19°R31	18° 8	26°28	25° 2	M 7
T 8	7 11 14	18°10'58	0♐ 3	27° 1	15°27	11°45	19°23	27°52	6°57	26°51	0°36	19°30	18° 5	26°34	25° 1	T 8
W 9	7 15 10	19°12'08	14°42	26° 0	16°42	12°22	19°37	27°59	6°58	26°53	0°35	19°28	18° 2	26°41	24°59	W 9
T 10	7 19 7	20°13'17	29°26	24°52	17°56	12°59	19°51	28° 5	7° 0	26°54	0°35	19°23	17°59	26°48	24°58	T 10
F 11	7 23 4	21°14'26	14♑ 9	23°38	19°10	13°37	20° 5	28°11	7° 2	26°56	0°34	19°15	17°55	26°54	24°56	F 11
S 12	7 27 0	22°15'34	28°41	22°21	20°25	14°14	20°19	28°17	7° 3	26°57	0°33	19° 5	17°52	27° 1	24°55	S 12
S 13	7 30 57	23°16'42	12♒57	21° 3	21°39	14°52	20°33	28°24	7° 5	26°59	0°33	18°54	17°49	27° 8	24°53	S 13
M14	7 34 53	24°17'48	26°50	19°46	22°53	15°29	20°47	28°30	7° 6	27° 0	0°32	18°43	17°46	27°14	24°52	M14
T 15	7 38 50	25°18'55	10♓17	18°33	24° 8	16° 7	21° 1	28°37	7° 8	27° 2	0°31	18°34	17°43	27°21	24°51	T 15
W16	7 42 46	26°20'00	23°19	17°25	25°22	16°44	21°15	28°43	7° 9	27° 3	0°31	18°27	17°39	27°28	24°50	W16
T 17	7 46 43	27°21'04	5♈56	16°24	26°36	17°22	21°29	28°50	7°11	27° 4	0°30	18°22	17°36	27°34	24°49	T 17
F 18	7 50 39	28°22'07	18°13	15°32	27°50	18° 0	21°43	28°56	7°12	27° 6	0°30	18°20	17°33	27°41	24°48	F 18
S 19	7 54 36	29°23'09	0♉15	14°48	29° 4	18°38	21°58	29° 3	7°13	27° 7	0°29	18°D19	17°30	27°48	24°47	S 19
S 20	7 58 33	0♒24'10	12° 6	14°13	0♓18	19°15	22°12	29°10	7°14	27° 8	0°29	18°R19	17°27	27°54	24°46	S 20
M21	8 2 29	1°25'10	23°53	13°47	1°32	19°53	22°26	29°16	7°15	27°10	0°28	18°19	17°24	28° 1	24°45	M21
T 22	8 6 26	2°26'09	5♊41	13°30	2°46	20°31	22°40	29°23	7°16	27°11	0°28	18°18	17°20	28° 8	24°44	T 22
W23	8 10 22	3°27'06	17°35	13°21	4° 0	21° 9	22°54	29°30	7°17	27°12	0°27	18°14	17°17	28°14	24°44	W23
T 24	8 14 19	4°28'03	29°39	13°D21	5°14	21°47	23° 8	29°37	7°18	27°13	0°27	18° 8	17°14	28°21	24°43	T 24
F 25	8 18 15	5°28'58	11♋55	13°28	6°28	22°25	23°22	29°44	7°19	27°14	0°26	17°59	17°11	28°27	24°42	F 25
S 26	8 22 12	6°29'52	24°26	13°42	7°42	23° 3	23°36	29°51	7°20	27°15	0°26	17°47	17° 8	28°34	24°42	S 26
S 27	8 26 8	7°30'45	7♌12	14° 3	8°55	23°41	23°49	29°57	7°21	27°16	0°26	17°34	17° 5	28°41	24°42	S 27
M28	8 30 5	8°31'37	20°13	14°30	10° 9	24°19	24° 3	0♓ 4	7°22	27°17	0°25	17°20	17° 1	28°47	24°41	M28
T 29	8 34 2	9°32'28	3♍28	15° 2	11°23	24°57	24°17	0°11	7°22	27°18	0°25	17° 7	16°58	28°54	24°41	T 29
W30	8 37 58	10°33'18	16°54	15°39	12°36	25°35	24°31	0°18	7°23	27°19	0°25	16°57	16°55	29° 1	24°41	W30
T 31	8 41 55	11♒34'06	0♎30	16♑21	13♓50	26♈13	24♑45	0♓25	7♏24	27♏20	0♊24	16♏49	16♏52	29♉ 7	24♉41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 1	8n49	5s 6	20s24	0s 0	20s14	1s40	3n 1	0n 5	22s32	0s14	13s55	1s32	13s21	0n28	17s49	1n41	8n17	12s18	17s42	17s21	18n36	15n23	3s50
W 2	22 56	4 30	4 53	20 4	0n16	19 55	1 41	3 17	0 6	22 31	0 14	13 53	1 32	13 21	0 28	17 49	1 41	8 17	12 18	17 40	17 20	18 37	15 23	3 50
T 3	22 50	0s 7	4 25	19 46	0 34	19 36	1 41	3 33	0 7	22 29	0 14	13 51	1 32	13 22	0 28	17 49	1 41	8 17	12 18	17 39	17 19	18 38	15 22	3 50
F 4	22 44	4 48	3 41	19 29	0 53	19 16	1 41	3 49	0 9	22 27	0 14	13 49	1 32	13 22	0 28	17 50	1 41	8 17	12 17	17 38	17 18	18 38	15 22	3 50
S 5	22 37	9 20	2 44	19 14	1 11	18 55	1 41	4 5	0 10	22 25	0 15	13 47	1 32	13 23	0 28	17 50	1 41	8 17	12 17	17 38	17 18	18 39	15 22	3 50
S 6	22 30	13 27	1 36	19 1	1 31	18 34	1 41	4 20	0 11	22 23	0 15	13 44	1 32	13 24	0 28	17 50	1 41	8 17	12 17	17 38	17 17	18 40	15 21	3 49
M 7	22 23	16 52	0 21	18 50	1 49	18 12	1 41	4 36	0 12	22 21	0 15	13 42	1 32	13 24	0 28	17 51	1 41	8 18	12 17	17 39	17 16	18 40	15 21	3 49
T 8	22 15	19 17	0n56	18 42	2 8	17 50	1 41	4 52	0 14	22 20	0 15	13 40	1 32	13 25	0 28	17 51	1 41	8 18	12 17	17 38	17 15	18 41	15 21	3 49
W 9	22 6	20 27	2 11	18 37	2 25	17 28	1 40	5 7	0 15	22 18	0 15	13 38	1 32	13 25	0 28	17 51	1 41	8 18	12 16	17 38	17 14	18 42	15 20	3 49
T 10	21 58	20 12	3 17	18 33	2 41	17 4	1 40	5 23	0 16	22 16	0 15	13 36	1 32	13 26	0 28	17 52	1 41	8 18	12 16	17 36	17 13	18 42	15 20	3 49
F 11	21 48	18 36	4 9	18 32	2 55	16 41	1 40	5 39	0 17	22 14	0 15	13 34	1 32	13 27	0 28	17 52	1 41	8 18	12 16	17 34	17 12	18 43	15 20	3 49
S 12	21 38	15 49	4 45	18 33	3 7	16 17	1 39	5 54	0 18	22 12	0 15	13 31	1 32	13 27	0 28	17 52	1 41	8 18	12 16	17 31	17 11	18 44	15 20	3 49
S 13	21 28	12 8	5 2	18 36	3 17	15 52	1 39	6 10	0 19	22 10	0 15	13 29	1 32	13 28	0 28	17 53	1 41	8 18	12 15	17 28	17 10	18 44	15 20	3 49
M14	21 18	7 53	5 1	18 40	3 24	15 27	1 38	6 25	0 20	22 8	0 15	13 27	1 32	13 28	0 28	17 53	1 41	8 18	12 15	17 26	17 10	18 45	15 19	3 48
T 15	21 7	3 22	4 42	18 45	3 28	15 2	1 37	6 41	0 21	22 6	0 16	13 24	1 31	13 28	0 28	17 53	1 41	8 18	12 15	17 23	17 9	18 46	15 19	3 48
W16	20 55	1n10	4 10	18 52	3 31	14 36	1 37	6 56	0 22	22 3	0 16	13 22	1 31	13 29	0 28	17 53	1 41	8 18	12 15	17 21	17 8	18 46	15 19	3 48
T 17	20 44	5 31	3 26	19 0	3 30	14 10	1 36	7 12	0 23	22 1	0 16	13 20	1 31	13 29	0 28	17 54	1 41	8 19	12 14	17 20	17 7	18 47	15 19	3 48
F 18	20 32	9 31	2 33	19 8	3 28	13 44	1 35	7 27	0 24	21 59	0 16	13 18	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 6	18 48	15 19	3 48
S 19	20 19	13 4	1 35	19 17	3 24	13 17	1 34	7 42	0 25	21 57	0 16	13 15	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 5	18 48	15 19	3 48
S 20	20 6	16 1	0 33	19 26	3 18	12 50	1 33	7 58	0 26	21 55	0 16	13 13	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 4	18 49	15 19	3 48
M21	19 53	18 18	0s30	19 36	3 11	12 22	1 31	8 13	0 27	21 53	0 16	13 10	1 31	13 31	0 28	17 55	1 42	8 19	12 13	17 19	17 3	18 50	15 19	3 47
T 22	19 39	19 48	1 31	19 46	3 3	11 54	1 30	8 28	0 28	21 51	0 16	13 8	1 31	13 31	0 28	17 55	1 42	8 19	12 13	17 19	17 2	18 50	15 19	3 47
W23	19 25	20 26	2 29	19 56	2 54	11 26	1 29	8 43	0 29	21 48	0 16	13 6	1 31	13 31	0 28	17 55	1 42	8 20	12 13	17 18	17 2	18 51	15 19	3 47
T 24	19 11	20 8	3 21	20 5	2 44	10 58	1 27	8 58	0 30	21 46	0 16	13 3	1 31	13 32	0 28	17 55	1 42	8 20	12 12	17 16	17 1	18 52	15 19	3 47
F 25	18 56	18 54	4 4	20 15	2 34	10 29	1 26	9 13	0 31	21 44	0 17	13 1	1 31	13 32	0 28	17 56	1 42	8 20	12 12	17 13	17 0	18 52	15 19	3 47
S 26	18 41	16 44	4 36	20 24	2 23	10 0	1 24	9 28	0 32	21 42	0 17	12 58	1 31	13 32	0 28	17 56	1 42	8 20	12 12	17 10	16 59	18 53	15 19	3 47
S 27	18 26	13 44	4 56	20 33	2 12	9 31	1 23	9 43	0 33	21 39	0 17	12 56	1 31	13 33	0 28	17 56	1 42	8 20	12 12	17 6	16 58	18 53	15 19	3 46
M28	18 10	10 1	5 0	20 41	2 1	9 2	1 21	9 58	0 34	21 37	0 17	12 53	1 31	13 33	0 28	17 56	1 42	8 21	12 11	17 2	16 57	18 54	15 19	3 46
T 29	17 54	5 46	4 49	20 49	1 50	8 32	1 19	10 13	0 34	21 35	0 17	12 51	1 31	13 33	0 28	17 56	1 42	8 21	12 11	16 59	16 56	18 55	15 19	3 46
W30	17 37	1 11	4 21	20 55	1 39	8 2	1 17	10 27	0 35	21 32	0 17	12 49	1 31	13 33	0 28	17 56	1 42	8 21	12 11	16 56	16 55	18 55	15 19	3 46
T 31	17s21	3s32	3s38	21s 2	1n28	7s32	1s15	10n42	0n36	21s30	0s17	12s46	1s31	13s33	0n29	17s57	1n42	8n21	12s11	16s53	16s54	18n56	15n19	3s46

Julian Day Number = 2320423.5, Delta T = 49.66 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'46, Lahiri = 18°50'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

FEBRUARY 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 45 51	12♒34'54	14♎13	17♑ 6	15♓ 3	26♈51	24♑59	0♓32	7♏24	27♏21	0°R24	16°R44	16♏49	29♉14	24°D41	F 1
S 2	8 49 48	13°35'41	28° 4	17°56	16°17	27°30	25°12	0°40	7°25	27°22	0♊24	16♏42	16°45	29°21	24♉41	S 2
S 3	8 53 44	14°36'27	12♏ 2	18°49	17°30	28° 8	25°26	0°47	7°25	27°23	0°24	16°41	16°42	29°27	24°41	S 3
M 4	8 57 41	15°37'11	26° 7	19°46	18°43	28°46	25°40	0°54	7°25	27°24	0°23	16°41	16°39	29°34	24°41	M 4
T 5	9 1 37	16°37'55	10♐17	20°45	19°57	29°24	25°54	1° 1	7°26	27°24	0°23	16°40	16°36	29°41	24°41	T 5
W 6	9 5 34	17°38'38	24°33	21°47	21°10	0♉ 2	26° 7	1° 8	7°26	27°25	0°23	16°37	16°33	29°47	24°42	W 6
T 7	9 9 31	18°39'20	8♑50	22°51	22°23	0°41	26°21	1°15	7°26	27°26	0°23	16°31	16°30	29°54	24°42	T 7
F 8	9 13 27	19°40'00	23° 5	23°58	23°36	1°19	26°34	1°22	7°26	27°26	0°23	16°21	16°26	0♊ 1	24°43	F 8
S 9	9 17 24	20°40'39	7♒13	25° 7	24°49	1°57	26°48	1°30	7°26	27°27	0°23	16°10	16°23	0° 7	24°43	S 9
S 10	9 21 20	21°41'17	21° 9	26°18	26° 2	2°35	27° 2	1°37	7°R26	27°28	0°23	15°57	16°20	0°14	24°44	S 10
M11	9 25 17	22°41'53	4♓49	27°30	27°15	3°14	27°15	1°44	7°26	27°28	0°23	15°44	16°17	0°20	24°45	M11
T 12	9 29 13	23°42'27	18° 8	28°45	28°28	3°52	27°28	1°51	7°26	27°29	0°23	15°33	16°14	0°27	24°45	T 12
W13	9 33 10	24°43'00	1♈ 5	0♒ 1	29°40	4°30	27°42	1°59	7°26	27°29	0°D23	15°23	16°11	0°34	24°46	W13
T 14	9 37 6	25°43'31	13°42	1°18	0♈53	5° 9	27°55	2° 6	7°26	27°30	0°23	15°17	16° 7	0°40	24°47	T 14
F 15	9 41 3	26°44'00	25°59	2°37	2° 6	5°47	28° 8	2°13	7°26	27°30	0°23	15°13	16° 4	0°47	24°48	F 15
S 16	9 45 0	27°44'27	8♉ 2	3°58	3°18	6°26	28°22	2°20	7°25	27°31	0°23	15°12	16° 1	0°54	24°49	S 16
S 17	9 48 56	28°44'53	19°55	5°20	4°31	7° 4	28°35	2°28	7°25	27°31	0°23	15°D12	15°58	1° 0	24°50	S 17
M18	9 52 53	29°45'16	1♊43	6°43	5°43	7°42	28°48	2°35	7°25	27°31	0°23	15°R12	15°55	1° 7	24°52	M18
T 19	9 56 49	0♓45'38	13°32	8° 7	6°55	8°21	29° 1	2°42	7°24	27°32	0°23	15°11	15°51	1°14	24°53	T 19
W20	10 0 46	1°45'58	25°27	9°33	8° 8	8°59	29°14	2°50	7°24	27°32	0°23	15° 8	15°48	1°20	24°54	W20
T 21	10 4 42	2°46'15	7♋34	10°59	9°20	9°38	29°27	2°57	7°23	27°32	0°23	15° 3	15°45	1°27	24°56	T 21
F 22	10 8 39	3°46'31	19°56	12°27	10°32	10°16	29°40	3° 4	7°22	27°32	0°24	14°56	15°42	1°34	24°57	F 22
S 23	10 12 35	4°46'45	2♌37	13°56	11°44	10°54	29°53	3°12	7°22	27°32	0°24	14°46	15°39	1°40	24°59	S 23
S 24	10 16 32	5°46'56	15°37	15°27	12°55	11°33	0♒ 5	3°19	7°21	27°33	0°24	14°34	15°36	1°47	25° 0	S 24
M25	10 20 29	6°47'06	28°57	16°58	14° 7	12°11	0°18	3°26	7°20	27°33	0°24	14°22	15°32	1°54	25° 2	M25
T 26	10 24 25	7°47'14	12♍34	18°30	15°19	12°50	0°31	3°33	7°19	27°33	0°25	14°11	15°29	2° 0	25° 4	T 26
W27	10 28 22	8°47'20	26°26	20° 4	16°30	13°28	0°43	3°41	7°19	27°R33	0°25	14° 2	15°26	2° 7	25° 5	W27
T 28	10 32 18	9♓47'24	10♎28	21♒38	17♈42	14♉ 6	0♒56	3♓48	7♏18	27♏33	0♊25	13♏55	15♏23	2♊14	25♉ 7	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s 4	8s 7	2s43	21s 7	1n17	7s 2	1s13	10n57	0n37	21s27	0s17	12s44	1s31	13s34	0n29	17s57	1n42	8n21	12s10	16s52	16s53	18n56	15n19	3s46
S 2	16 46	12 19	1 37	21 11	1 6	6 31	1 11	11 11	0 38	21 25	0 17	12 41	1 31	13 34	0 29	17 57	1 42	8 22	12 10	16 51	16 53	18 57	15 20	3 46
S 3	16 29	15 52	0 25	21 15	0 55	6 1	1 9	11 26	0 39	21 23	0 17	12 39	1 31	13 34	0 29	17 57	1 42	8 22	12 10	16 51	16 52	18 58	15 20	3 45
M 4	16 11	18 31	0n50	21 17	0 45	5 30	1 7	11 40	0 39	21 20	0 18	12 36	1 31	13 34	0 29	17 57	1 42	8 22	12 9	16 51	16 51	18 58	15 20	3 45
T 5	15 53	20 2	2 1	21 18	0 35	4 59	1 5	11 54	0 40	21 18	0 18	12 33	1 31	13 34	0 29	17 57	1 42	8 22	12 9	16 51	16 50	18 59	15 20	3 45
W 6	15 34	20 17	3 6	21 19	0 25	4 28	1 2	12 9	0 41	21 15	0 18	12 31	1 31	13 34	0 29	17 57	1 42	8 23	12 9	16 50	16 49	18 59	15 21	3 45
T 7	15 16	19 13	3 59	21 18	0 15	3 57	1 0	12 23	0 42	21 13	0 18	12 28	1 31	13 34	0 29	17 57	1 43	8 23	12 9	16 48	16 48	19 0	15 21	3 45
F 8	14 57	16 58	4 36	21 16	0 5	3 25	0 57	12 37	0 42	21 10	0 18	12 26	1 31	13 34	0 29	17 58	1 43	8 23	12 8	16 46	16 47	19 0	15 21	3 44
S 9	14 38	13 43	4 57	21 13	0s 4	2 54	0 55	12 51	0 43	21 8	0 18	12 23	1 32	13 34	0 29	17 58	1 43	8 23	12 8	16 42	16 46	19 1	15 21	3 44
S 10	14 18	9 45	4 59	21 9	0 13	2 23	0 52	13 5	0 44	21 5	0 18	12 21	1 32	13 34	0 29	17 58	1 43	8 24	12 8	16 39	16 45	19 2	15 22	3 44
M11	13 58	5 21	4 44	21 3	0 22	1 51	0 50	13 18	0 44	21 3	0 18	12 18	1 32	13 34	0 29	17 58	1 43	8 24	12 7	16 35	16 44	19 2	15 22	3 44
T 12	13 39	0 48	4 14	20 57	0 30	1 20	0 47	13 32	0 45	21 0	0 19	12 16	1 32	13 34	0 29	17 58	1 43	8 24	12 7	16 32	16 43	19 3	15 22	3 44
W13	13 18	3n40	3 31	20 49	0 39	0 48	0 44	13 46	0 46	20 58	0 19	12 13	1 32	13 34	0 29	17 58	1 43	8 25	12 7	16 29	16 43	19 3	15 23	3 44
T 14	12 58	7 51	2 39	20 40	0 46	0 16	0 41	13 59	0 46	20 55	0 19	12 10	1 32	13 34	0 29	17 58	1 43	8 25	12 7	16 27	16 42	19 4	15 23	3 43
F 15	12 38	11 37	1 40	20 29	0 54	0n15	0 38	14 13	0 47	20 53	0 19	12 8	1 32	13 34	0 29	17 58	1 43	8 25	12 6	16 26	16 41	19 4	15 23	3 43
S 16	12 17	14 49	0 38	20 17	1 1	0 47	0 35	14 26	0 48	20 50	0 19	12 5	1 32	13 34	0 29	17 58	1 43	8 25	12 6	16 25	16 40	19 5	15 24	3 43
S 17	11 56	17 21	0s25	20 4	1 8	1 18	0 32	14 39	0 48	20 48	0 19	12 3	1 32	13 34	0 29	17 58	1 43	8 26	12 6	16 25	16 39	19 5	15 24	3 43
M18	11 35	19 8	1 27	19 50	1 15	1 50	0 29	14 52	0 49	20 45	0 19	12 0	1 32	13 33	0 29	17 58	1 43	8 26	12 5	16 25	16 38	19 6	15 25	3 43
T 19	11 13	20 4	2 25	19 35	1 21	2 21	0 26	15 5	0 49	20 43	0 19	11 57	1 32	13 33	0 29	17 58	1 43	8 26	12 5	16 25	16 37	19 6	15 25	3 43
W20	10 52	20 8	3 17	19 18	1 27	2 53	0 23	15 18	0 50	20 40	0 19	11 55	1 32	13 33	0 29	17 58	1 43	8 27	12 5	16 24	16 36	19 7	15 26	3 42
T 21	10 30	19 16	4 1	18 59	1 33	3 24	0 19	15 31	0 50	20 37	0 20	11 52	1 32	13 33	0 29	17 58	1 43	8 27	12 4	16 23	16 35	19 7	15 26	3 42
F 22	10 9	17 28	4 35	18 40	1 38	3 56	0 16	15 44	0 51	20 35	0 20	11 50	1 32	13 33	0 29	17 58	1 43	8 27	12 4	16 21	16 34	19 8	15 27	3 42
S 23	9 47	14 49	4 56	18 19	1 43	4 27	0 13	15 57	0 52	20 32	0 20	11 47	1 32	13 32	0 29	17 58	1 43	8 28	12 4	16 18	16 33	19 8	15 27	3 42
S 24	9 24	11 22	5 2	17 57	1 47	4 58	0 9	16 9	0 52	20 30	0 20	11 44	1 32	13 32	0 29	17 58	1 43	8 28	12 4	16 14	16 32	19 9	15 28	3 42
M25	9 2	7 17	4 53	17 33	1 51	5 29	0 6	16 21	0 53	20 27	0 20	11 42	1 32	13 32	0 29	17 58	1 44	8 28	12 3	16 11	16 31	19 9	15 28	3 42
T 26	8 40	2 45	4 27	17 8	1 55	6 0	0 3	16 34	0 53	20 24	0 20	11 39	1 32	13 32	0 29	17 58	1 44	8 29	12 3	16 8	16 31	19 10	15 29	3 42
W27	8 17	2s 1	3 44	16 42	1 59	6 31	0n 1	16 46	0 54	20 22	0 20	11 37	1 32	13 31	0 29	17 58	1 44	8 29	12 3	16 5	16 30	19 10	15 29	3 41
T 28	7s55	6s43	2s48	16s14	2s 2	7n 2	0n 5	16n58	0n54	20s19	0s21	11s34	1s32	13s31	0n29	17s58	1n44	8n29	12s 2	16s 3	16s29	19n11	15n30	3s41

Julian Day Number = 2320454.5, Delta T = 49.60 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'51, Lahiri = 18°50'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

MARCH 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 36 15	10♓47'26	24♎36	23♒14	18♈53	14♉45	1♒ 8	3♓55	7°R17	27°R33	0♊26	13°R51	15♏20	2♊20	25♉ 9	F 1
S 2	10 40 11	11°47'27	8♏47	24°51	20° 4	15°23	1°21	4° 3	7♏16	27♏33	0°26	13°D50	15°16	2°27	25°11	S 2
S 3	10 44 8	12°47'26	22°58	26°29	21°16	16° 2	1°33	4°10	7°15	27°32	0°26	13♏50	15°13	2°33	25°13	S 3
M 4	10 48 4	13°47'24	7♐ 7	28° 8	22°27	16°40	1°45	4°17	7°13	27°32	0°27	13°R50	15°10	2°40	25°16	M 4
T 5	10 52 1	14°47'20	21°13	29°48	23°38	17°18	1°58	4°24	7°12	27°32	0°27	13°50	15° 7	2°47	25°18	T 5
W 6	10 55 58	15°47'15	5♑14	1♓30	24°48	17°57	2°10	4°31	7°11	27°32	0°28	13°49	15° 4	2°53	25°20	W 6
T 7	10 59 54	16°47'07	19°11	3°12	25°59	18°35	2°22	4°39	7°10	27°32	0°28	13°45	15° 1	3° 0	25°22	T 7
F 8	11 3 51	17°46'58	3♒ 0	4°56	27°10	19°14	2°34	4°46	7° 8	27°31	0°29	13°38	14°57	3° 7	25°25	F 8
S 9	11 7 47	18°46'48	16°41	6°41	28°20	19°52	2°46	4°53	7° 7	27°31	0°29	13°30	14°54	3°13	25°27	S 9
S 10	11 11 44	19°46'35	0♓10	8°27	29°31	20°31	2°57	5° 0	7° 6	27°31	0°30	13°20	14°51	3°20	25°30	S 10
M11	11 15 40	20°46'20	13°26	10°14	0♉41	21° 9	3° 9	5° 7	7° 4	27°30	0°30	13°11	14°48	3°27	25°32	M11
T 12	11 19 37	21°46'04	26°26	12° 3	1°51	21°47	3°21	5°14	7° 3	27°30	0°31	13° 2	14°45	3°33	25°35	T 12
W13	11 23 33	22°45'45	9♈10	13°52	3° 1	22°26	3°32	5°22	7° 1	27°30	0°31	12°55	14°42	3°40	25°38	W13
T 14	11 27 30	23°45'24	21°38	15°43	4°11	23° 4	3°44	5°29	7° 0	27°29	0°32	12°51	14°38	3°47	25°40	T 14
F 15	11 31 26	24°45'01	3♉51	17°36	5°21	23°43	3°55	5°36	6°58	27°29	0°33	12°48	14°35	3°53	25°43	F 15
S 16	11 35 23	25°44'36	15°52	19°29	6°30	24°21	4° 7	5°43	6°56	27°28	0°33	12°D48	14°32	4° 0	25°46	S 16
S 17	11 39 20	26°44'09	27°44	21°24	7°40	25° 0	4°18	5°50	6°55	27°27	0°34	12°49	14°29	4° 7	25°49	S 17
M18	11 43 16	27°43'39	9♊33	23°20	8°49	25°38	4°29	5°57	6°53	27°27	0°35	12°50	14°26	4°13	25°52	M18
T 19	11 47 13	28°43'07	21°22	25°17	9°58	26°16	4°40	6° 4	6°51	27°26	0°35	12°52	14°22	4°20	25°55	T 19
W20	11 51 9	29°42'33	3♋17	27°15	11° 7	26°55	4°51	6°11	6°49	27°26	0°36	12°R52	14°19	4°27	25°58	W20
T 21	11 55 6	0♈41'57	15°24	29°14	12°16	27°33	5° 2	6°17	6°47	27°25	0°37	12°51	14°16	4°33	26° 1	T 21
F 22	11 59 2	1°41'18	27°47	1♈14	13°25	28°11	5°12	6°24	6°46	27°24	0°38	12°48	14°13	4°40	26° 4	F 22
S 23	12 2 59	2°40'37	10♌30	3°15	14°34	28°50	5°23	6°31	6°44	27°23	0°38	12°43	14°10	4°47	26° 7	S 23
S 24	12 6 55	3°39'53	23°35	5°17	15°42	29°28	5°33	6°38	6°42	27°23	0°39	12°37	14° 7	4°53	26°11	S 24
M25	12 10 52	4°39'07	7♍ 5	7°20	16°50	0♊ 7	5°44	6°45	6°40	27°22	0°40	12°31	14° 3	5° 0	26°14	M25
T 26	12 14 49	5°38'19	20°57	9°23	17°58	0°45	5°54	6°51	6°38	27°21	0°41	12°25	14° 0	5° 6	26°17	T 26
W27	12 18 45	6°37'29	5♎ 9	11°27	19° 6	1°23	6° 4	6°58	6°36	27°20	0°42	12°20	13°57	5°13	26°21	W27
T 28	12 22 42	7°36'37	19°35	13°31	20°14	2° 2	6°14	7° 5	6°33	27°19	0°43	12°16	13°54	5°20	26°24	T 28
F 29	12 26 38	8°35'43	4♏10	15°34	21°21	2°40	6°24	7°11	6°31	27°18	0°43	12°14	13°51	5°26	26°28	F 29
S 30	12 30 35	9°34'47	18°48	17°37	22°29	3°18	6°34	7°18	6°29	27°17	0°44	12°D14	13°47	5°33	26°31	S 30
S 31	12 34 31	10♈33'49	3♐22	19♈40	23♉36	3♊56	6♒44	7♓24	6♏27	27♏16	0♊45	12♏15	13♏44	5♊40	26♉35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s32	11s 7	1s41	15s45	2s 4	7n32	0n 8	17n10	0n55	20s17	0s21	11s32	1s33	13s31	0n29	17s58	1n44	8n30	12s 2	16s 2	16s28	19n11	15n31	3s41
S 2	7 9	14 53	0 27	15 15	2 7	8 3	0 12	17 22	0 55	20 14	0 21	11 29	1 33	13 30	0 29	17 58	1 44	8 30	12 2	16 1	16 27	19 12	15 31	3 41
S 3	6 46	17 46	0n49	14 44	2 9	8 33	0 15	17 33	0 56	20 11	0 21	11 26	1 33	13 30	0 29	17 58	1 44	8 30	12 2	16 1	16 26	19 12	15 32	3 41
M 4	6 23	19 33	2 1	14 11	2 10	9 3	0 19	17 45	0 56	20 9	0 21	11 24	1 33	13 30	0 29	17 58	1 44	8 31	12 1	16 1	16 25	19 13	15 33	3 41
T 5	6 0	20 6	3 6	13 36	2 11	9 32	0 23	17 56	0 57	20 6	0 21	11 21	1 33	13 29	0 29	17 58	1 44	8 31	12 1	16 1	16 24	19 13	15 33	3 40
W 6	5 37	19 24	4 0	13 1	2 12	10 2	0 26	18 8	0 57	20 4	0 21	11 19	1 33	13 29	0 29	17 57	1 44	8 31	12 1	16 1	16 23	19 14	15 34	3 40
T 7	5 14	17 31	4 38	12 24	2 12	10 31	0 30	18 19	0 58	20 1	0 21	11 16	1 33	13 28	0 29	17 57	1 44	8 32	12 0	16 0	16 22	19 14	15 35	3 40
F 8	4 50	14 39	5 0	11 46	2 12	11 1	0 34	18 30	0 58	19 59	0 22	11 13	1 33	13 28	0 29	17 57	1 44	8 32	12 0	15 58	16 21	19 15	15 35	3 40
S 9	4 27	11 1	5 5	11 6	2 11	11 29	0 38	18 41	0 58	19 56	0 22	11 11	1 33	13 27	0 29	17 57	1 44	8 33	12 0	15 55	16 20	19 15	15 36	3 40
S 10	4 3	6 52	4 53	10 25	2 10	11 58	0 42	18 51	0 59	19 53	0 22	11 8	1 33	13 27	0 29	17 57	1 44	8 33	12 0	15 52	16 19	19 15	15 37	3 40
M11	3 40	2 27	4 25	9 43	2 8	12 26	0 45	19 2	0 59	19 51	0 22	11 6	1 33	13 26	0 29	17 57	1 44	8 33	11 59	15 49	16 18	19 16	15 37	3 40
T 12	3 16	2n 0	3 43	9 0	2 6	12 55	0 49	19 12	1 0	19 48	0 22	11 3	1 33	13 26	0 29	17 57	1 44	8 34	11 59	15 47	16 17	19 16	15 38	3 39
W13	2 53	6 16	2 51	8 15	2 3	13 22	0 53	19 23	1 0	19 46	0 22	11 1	1 34	13 25	0 29	17 57	1 44	8 34	11 59	15 45	16 17	19 17	15 39	3 39
T 14	2 29	10 10	1 52	7 29	2 0	13 50	0 57	19 33	1 0	19 43	0 22	10 58	1 34	13 25	0 29	17 56	1 44	8 34	11 59	15 43	16 16	19 17	15 40	3 39
F 15	2 5	13 35	0 48	6 42	1 56	14 17	1 1	19 43	1 1	19 41	0 23	10 56	1 34	13 24	0 29	17 56	1 45	8 35	11 58	15 43	16 15	19 18	15 41	3 39
S 16	1 42	16 21	0s17	5 53	1 52	14 44	1 5	19 53	1 1	19 38	0 23	10 53	1 34	13 24	0 29	17 56	1 45	8 35	11 58	15 43	16 14	19 18	15 41	3 39
S 17	1 18	18 24	1 20	5 4	1 47	15 10	1 9	20 3	1 2	19 36	0 23	10 51	1 34	13 23	0 29	17 56	1 45	8 36	11 58	15 43	16 13	19 18	15 42	3 39
M18	0 54	19 37	2 20	4 13	1 42	15 37	1 12	20 12	1 2	19 33	0 23	10 48	1 34	13 23	0 29	17 56	1 45	8 36	11 57	15 43	16 12	19 19	15 43	3 39
T 19	0 31	19 59	3 14	3 21	1 36	16 2	1 16	20 22	1 2	19 31	0 23	10 46	1 34	13 22	0 29	17 55	1 45	8 36	11 57	15 44	16 11	19 19	15 44	3 39
W20	0 7	19 27	4 0	2 28	1 30	16 28	1 20	20 31	1 3	19 28	0 23	10 43	1 34	13 21	0 29	17 55	1 45	8 37	11 57	15 44	16 10	19 20	15 45	3 39
T 21	0n17	18 1	4 36	1 35	1 23	16 53	1 24	20 40	1 3	19 26	0 24	10 41	1 34	13 21	0 29	17 55	1 45	8 37	11 57	15 43	16 9	19 20	15 45	3 38
F 22	0 40	15 44	5 0	0 40	1 16	17 17	1 28	20 49	1 3	19 23	0 24	10 38	1 34	13 20	0 29	17 55	1 45	8 38	11 56	15 42	16 8	19 20	15 46	3 38
S 23	1 4	12 39	5 10	0n15	1 8	17 42	1 32	20 58	1 4	19 21	0 24	10 36	1 35	13 20	0 29	17 55	1 45	8 38	11 56	15 41	16 7	19 21	15 47	3 38
S 24	1 28	8 53	5 5	1 12	1 0	18 6	1 35	21 7	1 4	19 18	0 24	10 34	1 35	13 19	0 29	17 54	1 45	8 38	11 56	15 39	16 6	19 21	15 48	3 38
M25	1 51	4 33	4 43	2 8	0 51	18 29	1 39	21 16	1 4	19 16	0 24	10 31	1 35	13 18	0 29	17 54	1 45	8 39	11 56	15 37	16 5	19 21	15 49	3 38
T 26	2 15	0s 8	4 4	3 6	0 41	18 52	1 43	21 24	1 5	19 13	0 24	10 29	1 35	13 18	0 29	17 54	1 45	8 39	11 55	15 35	16 4	19 22	15 50	3 38
W27	2 38	4 56	3 9	4 3	0 32	19 15	1 47	21 32	1 5	19 11	0 25	10 26	1 35	13 17	0 29	17 54	1 45	8 40	11 55	15 34	16 3	19 22	15 51	3 38
T 28	3 2	9 32	2 1	5 1	0 21	19 37	1 51	21 40	1 5	19 9	0 25	10 24	1 35	13 16	0 29	17 54	1 45	8 40	11 55	15 33	16 2	19 23	15 51	3 38
F 29	3 25	13 37	0 44	5 58	0 11	19 58	1 54	21 48	1 6	19 6	0 25	10 22	1 35	13 15	0 29	17 53	1 45	8 40	11 55	15 32	16 1	19 23	15 52	3 38
S 30	3 48	16 52	0n36	6 56	0n 0	20 19	1 58	21 56	1 6	19 4	0 25	10 19	1 35	13 15	0 29	17 53	1 45	8 41	11 55	15 32	16 0	19 23	15 53	3 37
S 31	4n11	19s 1	1n53	7n53	0n11	20n40	2n 1	22n 3	1n 6	19s 2	0s25	10s17	1s36	13s14	0n29	17s53	1n45	8n41	11s54	15s33	16s 0	19n24	15n54	3s37

Julian Day Number = 2320482.5, Delta T = 49.54 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'55, Lahiri = 18°50'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

APRIL 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 38 28	11♈32'49	17♐48	21♈41	24♉43	4♊35	6♒54	7♓31	6°R25	27°R15	0♊46	12♏17	13♏41	5♊46	26♉39	M 1
T 2	12 42 24	12°31'48	2♑ 3	23°41	25°50	5°13	7° 3	7°37	6♏23	27♏14	0°47	12°18	13°38	5°53	26°42	T 2
W 3	12 46 21	13°30'44	16° 5	25°39	26°56	5°51	7°13	7°44	6°20	27°13	0°48	12°R18	13°35	6° 0	26°46	W 3
T 4	12 50 18	14°29'40	29°53	27°36	28° 3	6°30	7°22	7°50	6°18	27°12	0°49	12°18	13°32	6° 6	26°50	T 4
F 5	12 54 14	15°28'33	13♒26	29°29	29° 9	7° 8	7°31	7°57	6°16	27°11	0°50	12°15	13°28	6°13	26°54	F 5
S 6	12 58 11	16°27'24	26°46	1♉20	0♊15	7°46	7°40	8° 3	6°13	27°10	0°51	12°12	13°25	6°20	26°57	S 6
S 7	13 2 7	17°26'14	9♓52	3° 8	1°21	8°24	7°49	8° 9	6°11	27° 9	0°52	12° 8	13°22	6°26	27° 1	S 7
M 8	13 6 4	18°25'02	22°43	4°52	2°26	9° 3	7°58	8°15	6° 9	27° 8	0°53	12° 5	13°19	6°33	27° 5	M 8
T 9	13 10 0	19°23'48	5♈22	6°32	3°31	9°41	8° 7	8°21	6° 6	27° 7	0°54	12° 1	13°16	6°40	27° 9	T 9
W10	13 13 57	20°22'32	17°48	8° 9	4°36	10°19	8°15	8°27	6° 4	27° 5	0°55	11°59	13°13	6°46	27°13	W10
T 11	13 17 53	21°21'14	0♉ 2	9°41	5°41	10°57	8°24	8°33	6° 2	27° 4	0°56	11°57	13° 9	6°53	27°17	T 11
F 12	13 21 50	22°19'54	12° 7	11° 9	6°46	11°35	8°32	8°39	5°59	27° 3	0°57	11°D56	13° 6	7° 0	27°21	F 12
S 13	13 25 46	23°18'32	24° 2	12°32	7°50	12°14	8°40	8°45	5°57	27° 2	0°58	11°57	13° 3	7° 6	27°25	S 13
S 14	13 29 43	24°17'08	5♊53	13°50	8°54	12°52	8°48	8°51	5°54	27° 0	1° 0	11°58	13° 0	7°13	27°30	S 14
M15	13 33 40	25°15'42	17°41	15° 3	9°58	13°30	8°56	8°57	5°52	26°59	1° 1	11°59	12°57	7°20	27°34	M15
T 16	13 37 36	26°14'14	29°30	16°12	11° 1	14° 8	9° 4	9° 3	5°49	26°58	1° 2	12° 1	12°53	7°26	27°38	T 16
W17	13 41 33	27°12'43	11♋26	17°15	12° 5	14°46	9°11	9° 8	5°47	26°57	1° 3	12° 2	12°50	7°33	27°42	W17
T 18	13 45 29	28°11'11	23°31	18°12	13° 7	15°25	9°19	9°14	5°44	26°55	1° 4	12°R 3	12°47	7°40	27°46	T 18
F 19	13 49 26	29° 9'36	5♌52	19° 5	14°10	16° 3	9°26	9°20	5°42	26°54	1° 5	12° 3	12°44	7°46	27°51	F 19
S 20	13 53 22	0♉ 7'59	18°32	19°52	15°12	16°41	9°33	9°25	5°39	26°52	1° 7	12° 2	12°41	7°53	27°55	S 20
S 21	13 57 19	1° 6'20	1♍35	20°33	16°14	17°19	9°40	9°31	5°37	26°51	1° 8	12° 1	12°38	8° 0	27°59	S 21
M22	14 1 15	2° 4'39	15° 4	21° 9	17°16	17°57	9°47	9°36	5°34	26°50	1° 9	12° 0	12°34	8° 6	28° 4	M22
T 23	14 5 12	3° 2'56	28°59	21°39	18°17	18°35	9°54	9°41	5°32	26°48	1°10	11°59	12°31	8°13	28° 8	T 23
W24	14 9 9	4° 1'10	13♎18	22° 4	19°18	19°13	10° 0	9°47	5°29	26°47	1°11	11°58	12°28	8°20	28°13	W24
T 25	14 13 5	4°59'23	27°58	22°23	20°19	19°51	10° 7	9°52	5°27	26°45	1°13	11°57	12°25	8°26	28°17	T 25
F 26	14 17 2	5°57'34	12♏52	22°36	21°19	20°30	10°13	9°57	5°24	26°44	1°14	11°D57	12°22	8°33	28°22	F 26
S 27	14 20 58	6°55'44	27°53	22°44	22°19	21° 8	10°19	10° 2	5°21	26°42	1°15	11°57	12°19	8°39	28°26	S 27
S 28	14 24 55	7°53'52	12♐51	22°R47	23°18	21°46	10°25	10° 7	5°19	26°41	1°16	11°57	12°15	8°46	28°31	S 28
M29	14 28 51	8°51'58	27°39	22°44	24°17	22°24	10°31	10°12	5°16	26°39	1°18	11°58	12°12	8°53	28°35	M29
T 30	14 32 48	9♉50'03	12♑12	22♉37	25♊15	23♊ 2	10♒36	10♓17	5♏14	26♏38	1♊19	11♏58	12♏ 9	8♊59	28♉40	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n35	19s54	3n 3	8n49	0n23	21n 0	2n 5	22n11	1n 6	19s 0	0s25	10s15	1s36	13s13	0n29	17s52	1n45	8n42	11s54	15s33	15s59	19n24	15n55	3s37
T 2	4 58	19 28	4 0	9 44	0 34	21 20	2 9	22 18	1 7	18 57	0 26	10 12	1 36	13 13	0 29	17 52	1 45	8 42	11 54	15 33	15 58	19 24	15 56	3 37
W 3	5 21	17 51	4 42	10 38	0 45	21 39	2 12	22 25	1 7	18 55	0 26	10 10	1 36	13 12	0 29	17 52	1 45	8 42	11 54	15 34	15 57	19 25	15 57	3 37
T 4	5 43	15 13	5 7	11 31	0 57	21 58	2 16	22 32	1 7	18 53	0 26	10 8	1 36	13 11	0 29	17 52	1 45	8 43	11 53	15 33	15 56	19 25	15 58	3 37
F 5	6 6	11 48	5 14	12 22	1 8	22 16	2 19	22 39	1 7	18 51	0 26	10 6	1 36	13 10	0 29	17 51	1 45	8 43	11 53	15 33	15 55	19 25	15 59	3 37
S 6	6 29	7 51	5 4	13 12	1 19	22 34	2 22	22 45	1 8	18 49	0 26	10 4	1 36	13 10	0 29	17 51	1 45	8 44	11 53	15 32	15 54	19 26	16 0	3 37
S 7	6 52	3 35	4 38	13 59	1 30	22 51	2 26	22 52	1 8	18 46	0 26	10 1	1 37	13 9	0 29	17 51	1 46	8 44	11 53	15 30	15 53	19 26	16 1	3 37
M 8	7 14	0n46	3 59	14 45	1 40	23 7	2 29	22 58	1 8	18 44	0 27	9 59	1 37	13 8	0 29	17 51	1 46	8 44	11 53	15 29	15 52	19 26	16 2	3 37
T 9	7 36	5 1	3 8	15 28	1 50	23 23	2 32	23 4	1 8	18 42	0 27	9 57	1 37	13 7	0 29	17 50	1 46	8 45	11 52	15 28	15 51	19 27	16 2	3 37
W10	7 59	8 59	2 9	16 8	2 0	23 39	2 35	23 10	1 9	18 40	0 27	9 55	1 37	13 6	0 29	17 50	1 46	8 45	11 52	15 27	15 50	19 27	16 3	3 37
T 11	8 21	12 32	1 5	16 46	2 8	23 53	2 38	23 16	1 9	18 38	0 27	9 53	1 37	13 6	0 29	17 50	1 46	8 46	11 52	15 27	15 49	19 27	16 4	3 37
F 12	8 43	15 29	0s 1	17 22	2 16	24 8	2 41	23 21	1 9	18 36	0 27	9 51	1 37	13 5	0 29	17 49	1 46	8 46	11 52	15 27	15 48	19 28	16 5	3 37
S 13	9 4	17 45	1 6	17 55	2 24	24 21	2 44	23 27	1 9	18 34	0 27	9 49	1 38	13 4	0 29	17 49	1 46	8 46	11 52	15 27	15 47	19 28	16 6	3 37
S 14	9 26	19 13	2 9	18 25	2 30	24 35	2 47	23 32	1 9	18 32	0 28	9 46	1 38	13 3	0 29	17 49	1 46	8 47	11 51	15 27	15 46	19 28	16 7	3 36
M15	9 47	19 50	3 5	18 52	2 36	24 47	2 50	23 37	1 10	18 30	0 28	9 44	1 38	13 2	0 29	17 48	1 46	8 47	11 51	15 28	15 45	19 28	16 8	3 36
T 16	10 9	19 35	3 54	19 17	2 41	24 59	2 53	23 42	1 10	18 29	0 28	9 42	1 38	13 2	0 29	17 48	1 46	8 48	11 51	15 28	15 44	19 29	16 9	3 36
W17	10 30	18 27	4 33	19 39	2 45	25 10	2 55	23 46	1 10	18 27	0 28	9 40	1 38	13 1	0 29	17 48	1 46	8 48	11 51	15 29	15 43	19 29	16 10	3 36
T 18	10 51	16 29	5 1	19 58	2 48	25 21	2 58	23 51	1 10	18 25	0 28	9 38	1 38	13 0	0 29	17 47	1 46	8 48	11 51	15 29	15 42	19 29	16 11	3 36
F 19	11 12	13 45	5 15	20 14	2 50	25 31	3 0	23 55	1 10	18 23	0 29	9 37	1 39	12 59	0 29	17 47	1 46	8 49	11 51	15 29	15 41	19 30	16 12	3 36
S 20	11 32	10 18	5 15	20 28	2 50	25 41	3 2	23 59	1 10	18 21	0 29	9 35	1 39	12 58	0 29	17 47	1 46	8 49	11 50	15 28	15 40	19 30	16 13	3 36
S 21	11 53	6 16	4 59	20 39	2 50	25 50	3 5	24 3	1 11	18 20	0 29	9 33	1 39	12 57	0 29	17 46	1 46	8 49	11 50	15 28	15 39	19 30	16 14	3 36
M22	12 13	1 48	4 26	20 47	2 48	25 58	3 7	24 7	1 11	18 18	0 29	9 31	1 39	12 57	0 29	17 46	1 46	8 50	11 50	15 28	15 38	19 30	16 15	3 36
T 23	12 33	2s54	3 37	20 53	2 46	26 6	3 9	24 10	1 11	18 16	0 29	9 29	1 39	12 56	0 29	17 46	1 46	8 50	11 50	15 27	15 37	19 31	16 16	3 36
W24	12 53	7 36	2 33	20 55	2 42	26 13	3 11	24 14	1 11	18 15	0 30	9 27	1 39	12 55	0 29	17 45	1 46	8 51	11 50	15 27	15 36	19 31	16 17	3 36
T 25	13 13	11 58	1 17	20 56	2 37	26 20	3 13	24 17	1 11	18 13	0 30	9 25	1 40	12 54	0 29	17 45	1 46	8 51	11 50	15 27	15 36	19 31	16 18	3 36
F 26	13 32	15 39	0n 5	20 53	2 31	26 26	3 14	24 20	1 11	18 12	0 30	9 24	1 40	12 53	0 29	17 44	1 46	8 51	11 49	15 27	15 35	19 31	16 19	3 36
S 27	13 51	18 18	1 27	20 48	2 23	26 31	3 16	24 23	1 11	18 10	0 30	9 22	1 40	12 52	0 29	17 44	1 46	8 52	11 49	15 27	15 34	19 32	16 20	3 36
S 28	14 10	19 41	2 44	20 40	2 14	26 36	3 17	24 25	1 12	18 9	0 30	9 20	1 40	12 52	0 29	17 44	1 46	8 52	11 49	15 27	15 33	19 32	16 21	3 36
M29	14 29	19 40	3 48	20 30	2 4	26 40	3 19	24 28	1 12	18 8	0 31	9 18	1 40	12 51	0 29	17 43	1 46	8 52	11 49	15 27	15 32	19 32	16 22	3 36
T 30	14n47	18s20	4n36	20n17	1n53	26n44	3n20	24n30	1n12	18s 6	0s31	9s17	1s41	12s50	0n29	17s43	1n46	8n53	11s49	15s27	15s31	19n32	16n23	3s36

Julian Day Number = 2320513.5, Delta T = 49.48 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°43'59, Lahiri = 18°50'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

MAY 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 36 44	10♉48'07	26♋25	22°R25	26♊13	23♊40	10♒42	10♓22	5°R11	26°R36	1♊20	11♏58	12♏ 6	9♊ 6	28♉44	W 1
T 2	14 40 41	11°46'09	10♒16	22♉ 8	27°11	24°18	10°47	10°26	5♏ 9	26♏35	1°22	11°58	12° 3	9°13	28°49	T 2
F 3	14 44 38	12°44'09	23°45	21°47	28° 8	24°56	10°52	10°31	5° 6	26°33	1°23	11°58	11°59	9°19	28°53	F 3
S 4	14 48 34	13°42'09	6♓54	21°22	29° 5	25°34	10°57	10°36	5° 4	26°31	1°24	11°58	11°56	9°26	28°58	S 4
S 5	14 52 31	14°40'07	19°45	20°54	0♌ 1	26°12	11° 2	10°40	5° 1	26°30	1°25	11°58	11°53	9°33	29° 3	S 5
M 6	14 56 27	15°38'03	2♈19	20°24	0°57	26°50	11° 7	10°44	4°59	26°28	1°27	11°59	11°50	9°39	29° 7	M 6
T 7	15 0 24	16°35'58	14°40	19°51	1°52	27°28	11°11	10°49	4°56	26°27	1°28	11°59	11°47	9°46	29°12	T 7
W 8	15 4 20	17°33'52	26°51	19°17	2°47	28° 6	11°15	10°53	4°54	26°25	1°29	12° 0	11°44	9°53	29°17	W 8
T 9	15 8 17	18°31'45	8♉52	18°42	3°41	28°44	11°20	10°57	4°51	26°23	1°31	12°R 0	11°40	9°59	29°21	T 9
F 10	15 12 13	19°29'36	20°47	18° 6	4°34	29°22	11°23	11° 1	4°49	26°22	1°32	12° 0	11°37	10° 6	29°26	F 10
S 11	15 16 10	20°27'25	2♊38	17°31	5°27	29°59	11°27	11° 5	4°47	26°20	1°33	11°59	11°34	10°13	29°31	S 11
S 12	15 20 7	21°25'14	14°26	16°56	6°20	0♋38	11°31	11° 9	4°44	26°19	1°35	11°58	11°31	10°19	29°36	S 12
M13	15 24 3	22°23'00	26°15	16°24	7°11	1°16	11°34	11°13	4°42	26°17	1°36	11°57	11°28	10°26	29°40	M13
T 14	15 28 0	23°20'45	8♋ 6	15°53	8° 2	1°54	11°37	11°17	4°39	26°15	1°37	11°55	11°25	10°33	29°45	T 14
W15	15 31 56	24°18'29	20° 4	15°24	8°52	2°32	11°40	11°21	4°37	26°14	1°39	11°54	11°21	10°39	29°50	W15
T 16	15 35 53	25°16'11	2♌10	14°59	9°42	3°10	11°43	11°24	4°35	26°12	1°40	11°52	11°18	10°46	29°55	T 16
F 17	15 39 49	26°13'51	14°30	14°37	10°31	3°48	11°46	11°28	4°32	26°11	1°41	11°51	11°15	10°53	29°59	F 17
S 18	15 43 46	27°11'30	27° 7	14°19	11°19	4°25	11°48	11°31	4°30	26° 9	1°43	11°D51	11°12	10°59	0♊ 4	S 18
S 19	15 47 42	28° 9'07	10♍ 5	14° 4	12° 6	5° 3	11°51	11°35	4°28	26° 7	1°44	11°51	11° 9	11° 6	0° 9	S 19
M20	15 51 39	29° 6'43	23°27	13°54	12°52	5°41	11°53	11°38	4°26	26° 6	1°46	11°52	11° 5	11°13	0°14	M20
T 21	15 55 36	0♊ 4'17	7♎15	13°48	13°37	6°19	11°55	11°41	4°23	26° 4	1°47	11°53	11° 2	11°19	0°19	T 21
W22	15 59 32	1° 1'50	21°30	13°D46	14°22	6°57	11°57	11°44	4°21	26° 2	1°48	11°55	10°59	11°26	0°23	W22
T 23	16 3 29	1°59'21	6♏ 9	13°49	15° 5	7°35	11°58	11°47	4°19	26° 1	1°50	11°R55	10°56	11°33	0°28	T 23
F 24	16 7 25	2°56'51	21° 8	13°56	15°48	8°13	11°59	11°50	4°17	25°59	1°51	11°55	10°53	11°39	0°33	F 24
S 25	16 11 22	3°54'20	6♐18	14° 8	16°30	8°51	12° 1	11°53	4°15	25°58	1°52	11°54	10°50	11°46	0°38	S 25
S 26	16 15 18	4°51'49	21°32	14°24	17°10	9°28	12° 2	11°56	4°13	25°56	1°54	11°52	10°46	11°53	0°42	S 26
M27	16 19 15	5°49'16	6♋38	14°45	17°49	10° 6	12° 2	11°59	4°11	25°54	1°55	11°49	10°43	11°59	0°47	M27
T 28	16 23 11	6°46'42	21°28	15°10	18°28	10°44	12° 3	12° 1	4° 9	25°53	1°56	11°46	10°40	12° 6	0°52	T 28
W29	16 27 8	7°44'07	5♒55	15°40	19° 5	11°22	12° 3	12° 4	4° 7	25°51	1°58	11°43	10°37	12°13	0°57	W29
T 30	16 31 5	8°41'32	19°55	16°13	19°40	12° 0	12° 4	12° 6	4° 5	25°50	1°59	11°40	10°34	12°19	1° 2	T 30
F 31	16 35 1	9♊38'56	3♓29	16♉51	20♋15	12♋38	12°R 4	12♓ 8	4♏ 3	25♏48	2♊ 1	11♏39	10♏30	12♊26	1♊ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15n 6	15s54	5n 6	20n 2	1n41	26n47	3n21	24n32	1n12	18s 5	0s31	9s15	1s41	12s49	0n29	17s43	1n46	8n53	11s49	15s27	15s30	19n33	16n24	3s36
T 2	15 24	12 36	5 18	19 45	1 28	26 49	3 22	24 34	1 12	18 4	0 31	9 13	1 41	12 48	0 29	17 42	1 46	8 54	11 49	15 27	15 29	19 33	16 25	3 36
F 3	15 41	8 44	5 11	19 26	1 14	26 51	3 23	24 35	1 12	18 2	0 31	9 12	1 41	12 47	0 29	17 42	1 46	8 54	11 49	15 27	15 28	19 33	16 26	3 36
S 4	15 59	4 32	4 48	19 5	0 58	26 52	3 24	24 37	1 12	18 1	0 32	9 10	1 41	12 47	0 29	17 42	1 46	8 54	11 48	15 27	15 27	19 33	16 27	3 36
S 5	16 16	0 13	4 12	18 42	0 43	26 53	3 24	24 38	1 12	18 0	0 32	9 9	1 42	12 46	0 29	17 41	1 46	8 55	11 48	15 27	15 26	19 33	16 28	3 36
M 6	16 33	4n 2	3 23	18 18	0 26	26 53	3 24	24 39	1 13	17 59	0 32	9 7	1 42	12 45	0 29	17 41	1 46	8 55	11 48	15 28	15 25	19 34	16 29	3 36
T 7	16 50	8 2	2 26	17 53	0 9	26 53	3 25	24 40	1 13	17 58	0 32	9 6	1 42	12 44	0 29	17 40	1 46	8 55	11 48	15 28	15 24	19 34	16 30	3 36
W 8	17 6	11 40	1 23	17 27	0s 8	26 52	3 25	24 41	1 13	17 57	0 33	9 4	1 42	12 43	0 29	17 40	1 46	8 56	11 48	15 28	15 23	19 34	16 31	3 36
T 9	17 22	14 45	0 17	17 0	0 26	26 50	3 25	24 41	1 13	17 56	0 33	9 3	1 42	12 42	0 29	17 40	1 46	8 56	11 48	15 28	15 22	19 34	16 32	3 36
F 10	17 38	17 12	0s49	16 34	0 43	26 48	3 24	24 42	1 13	17 55	0 33	9 2	1 43	12 42	0 29	17 39	1 46	8 56	11 48	15 28	15 21	19 34	16 33	3 37
S 11	17 54	18 54	1 52	16 7	1 1	26 46	3 24	24 42	1 13	17 55	0 33	9 0	1 43	12 41	0 29	17 39	1 46	8 57	11 48	15 28	15 20	19 35	16 33	3 37
S 12	18 9	19 45	2 51	15 41	1 18	26 43	3 23	24 42	1 13	17 54	0 33	8 59	1 43	12 40	0 29	17 39	1 46	8 57	11 48	15 27	15 19	19 35	16 34	3 37
M13	18 24	19 44	3 42	15 16	1 34	26 39	3 22	24 42	1 13	17 53	0 34	8 58	1 43	12 39	0 29	17 38	1 46	8 57	11 48	15 27	15 18	19 35	16 35	3 37
T 14	18 39	18 51	4 23	14 52	1 50	26 35	3 21	24 41	1 13	17 52	0 34	8 56	1 44	12 38	0 29	17 38	1 46	8 58	11 48	15 26	15 17	19 35	16 36	3 37
W15	18 53	17 8	4 54	14 29	2 5	26 31	3 20	24 41	1 13	17 52	0 34	8 55	1 44	12 38	0 29	17 37	1 46	8 58	11 47	15 26	15 16	19 35	16 37	3 37
T 16	19 7	14 38	5 12	14 8	2 20	26 26	3 19	24 40	1 13	17 51	0 34	8 54	1 44	12 37	0 29	17 37	1 46	8 58	11 47	15 26	15 15	19 35	16 38	3 37
F 17	19 21	11 28	5 16	13 49	2 33	26 21	3 17	24 39	1 13	17 51	0 35	8 53	1 44	12 36	0 29	17 37	1 46	8 59	11 47	15 25	15 14	19 36	16 39	3 37
S 18	19 34	7 42	5 5	13 32	2 45	26 15	3 16	24 38	1 13	17 50	0 35	8 52	1 44	12 35	0 29	17 36	1 46	8 59	11 47	15 25	15 13	19 36	16 40	3 37
S 19	19 47	3 30	4 39	13 17	2 57	26 9	3 14	24 37	1 13	17 50	0 35	8 51	1 45	12 35	0 29	17 36	1 46	8 59	11 47	15 25	15 12	19 36	16 41	3 37
M20	20 0	1s 1	3 57	13 4	3 7	26 2	3 11	24 35	1 13	17 49	0 35	8 50	1 45	12 34	0 29	17 36	1 46	9 0	11 47	15 25	15 11	19 36	16 42	3 37
T 21	20 12	5 38	3 0	12 53	3 16	25 55	3 9	24 33	1 14	17 49	0 35	8 49	1 45	12 33	0 29	17 35	1 46	9 0	11 47	15 26	15 10	19 36	16 43	3 37
W22	20 24	10 6	1 51	12 45	3 24	25 48	3 6	24 32	1 14	17 49	0 36	8 48	1 45	12 33	0 29	17 35	1 46	9 0	11 47	15 26	15 9	19 36	16 44	3 37
T 23	20 36	14 6	0 32	12 39	3 31	25 40	3 3	24 29	1 14	17 49	0 36	8 47	1 46	12 32	0 29	17 34	1 46	9 0	11 47	15 26	15 8	19 36	16 44	3 37
F 24	20 47	17 16	0n51	12 36	3 37	25 32	3 0	24 27	1 14	17 48	0 36	8 46	1 46	12 31	0 29	17 34	1 46	9 1	11 47	15 26	15 7	19 37	16 45	3 38
S 25	20 58	19 15	2 11	12 35	3 42	25 23	2 57	24 25	1 14	17 48	0 36	8 45	1 46	12 30	0 29	17 34	1 46	9 1	11 47	15 26	15 6	19 37	16 46	3 38
S 26	21 9	19 52	3 21	12 36	3 45	25 15	2 53	24 22	1 14	17 48	0 37	8 44	1 46	12 30	0 29	17 33	1 46	9 1	11 47	15 25	15 5	19 37	16 47	3 38
M27	21 19	19 2	4 17	12 40	3 48	25 5	2 49	24 19	1 14	17 48	0 37	8 43	1 46	12 29	0 29	17 33	1 46	9 2	11 47	15 24	15 4	19 37	16 48	3 38
T 28	21 29	16 55	4 55	12 45	3 49	24 56	2 45	24 16	1 14	17 48	0 37	8 43	1 47	12 28	0 29	17 33	1 46	9 2	11 47	15 23	15 3	19 37	16 49	3 38
W29	21 38	13 46	5 13	12 53	3 50	24 46	2 41	24 13	1 14	17 48	0 37	8 42	1 47	12 28	0 29	17 32	1 46	9 2	11 47	15 23	15 2	19 37	16 50	3 38
T 30	21 48	9 56	5 11	13 3	3 50	24 37	2 36	24 10	1 14	17 49	0 38	8 41	1 47	12 27	0 29	17 32	1 46	9 2	11 47	15 22	15 1	19 37	16 50	3 38
F 31	21n56	5s43	4n52	13n15	3s49	24n26	2n31	24n 6	1n14	17s49	0s38	8s40	1s47	12s27	0n29	17s32	1n46	9n 3	11s47	15s22	15s 0	19n37	16n51	3s38

Julian Day Number = 2320543.5, Delta T = 49.42 sec
Ecliptic obliquity = 23°29'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'03, Lahiri = 18°51'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

JUNE 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 58	10♊36'20	16♓36	17♉32	20♋48	13♋16	12°R 4	12♓11	4°R 1	25°R46	2♊ 2	11°D39	10♏27	12♊33	1♊11	S 1
S 2	16 42 54	11°33'42	29°21	18°18	21°20	13°53	12♒ 3	12°13	3♏59	25♏45	2° 3	11♏40	10°24	12°39	1°16	S 2
M 3	16 46 51	12°31'05	11♈47	19° 7	21°51	14°31	12° 3	12°15	3°57	25°43	2° 5	11°42	10°21	12°46	1°21	M 3
T 4	16 50 47	13°28'26	23°58	20° 0	22°20	15° 9	12° 2	12°17	3°56	25°42	2° 6	11°43	10°18	12°53	1°25	T 4
W 5	16 54 44	14°25'47	5♉58	20°57	22°47	15°47	12° 1	12°18	3°54	25°40	2° 7	11°R45	10°15	12°59	1°30	W 5
T 6	16 58 40	15°23'08	17°51	21°58	23°13	16°25	12° 0	12°20	3°52	25°39	2° 9	11°45	10°11	13° 6	1°35	T 6
F 7	17 2 37	16°20'28	29°40	23° 1	23°37	17° 2	11°59	12°22	3°50	25°37	2°10	11°43	10° 8	13°13	1°39	F 7
S 8	17 6 34	17°17'47	11♊28	24° 9	24° 0	17°40	11°57	12°23	3°49	25°36	2°11	11°40	10° 5	13°19	1°44	S 8
S 9	17 10 30	18°15'06	23°17	25°19	24°20	18°18	11°55	12°25	3°47	25°34	2°13	11°35	10° 2	13°26	1°49	S 9
M10	17 14 27	19°12'24	5♋ 9	26°33	24°39	18°56	11°54	12°26	3°46	25°33	2°14	11°29	9°59	13°33	1°53	M10
T 11	17 18 23	20° 9'42	17° 6	27°50	24°56	19°34	11°51	12°27	3°44	25°31	2°15	11°22	9°56	13°39	1°58	T 11
W12	17 22 20	21° 6'58	29° 9	29°11	25°12	20°12	11°49	12°28	3°43	25°30	2°17	11°15	9°52	13°46	2° 3	W12
T 13	17 26 16	22° 4'14	11♌22	0♊35	25°25	20°49	11°47	12°30	3°41	25°29	2°18	11° 8	9°49	13°53	2° 7	T 13
F 14	17 30 13	23° 1'30	23°46	2° 2	25°36	21°27	11°44	12°30	3°40	25°27	2°19	11° 3	9°46	13°59	2°12	F 14
S 15	17 34 9	23°58'44	6♍24	3°32	25°45	22° 5	11°41	12°31	3°39	25°26	2°20	11° 0	9°43	14° 6	2°16	S 15
S 16	17 38 6	24°55'58	19°19	5° 5	25°52	22°43	11°38	12°32	3°37	25°24	2°22	10°D58	9°40	14°13	2°21	S 16
M17	17 42 3	25°53'11	2♎35	6°41	25°56	23°21	11°35	12°33	3°36	25°23	2°23	10°58	9°36	14°19	2°25	M17
T 18	17 45 59	26°50'24	16°14	8°20	25°R58	23°58	11°32	12°33	3°35	25°22	2°24	10°59	9°33	14°26	2°30	T 18
W19	17 49 56	27°47'36	0♏17	10° 3	25°58	24°36	11°28	12°34	3°34	25°20	2°26	11° 1	9°30	14°33	2°34	W19
T 20	17 53 52	28°44'47	14°45	11°48	25°56	25°14	11°25	12°34	3°33	25°19	2°27	11°R 1	9°27	14°39	2°39	T 20
F 21	17 57 49	29°41'58	29°35	13°36	25°51	25°52	11°21	12°34	3°32	25°18	2°28	11° 0	9°24	14°46	2°43	F 21
S 22	18 1 45	0♋39'09	14♐40	15°27	25°44	26°29	11°17	12°34	3°31	25°17	2°29	10°56	9°21	14°53	2°48	S 22
S 23	18 5 42	1°36'19	29°53	17°21	25°34	27° 7	11°13	12°R35	3°30	25°15	2°30	10°51	9°17	14°59	2°52	S 23
M24	18 9 38	2°33'29	15♑ 4	19°17	25°22	27°45	11° 8	12°34	3°29	25°14	2°32	10°44	9°14	15° 6	2°56	M24
T 25	18 13 35	3°30'39	0♒ 1	21°16	25° 8	28°23	11° 4	12°34	3°28	25°13	2°33	10°36	9°11	15°13	3° 1	T 25
W26	18 17 32	4°27'49	14°37	23°17	24°51	29° 1	10°59	12°34	3°27	25°12	2°34	10°28	9° 8	15°19	3° 5	W26
T 27	18 21 28	5°24'59	28°47	25°20	24°32	29°38	10°54	12°34	3°26	25°11	2°35	10°22	9° 5	15°26	3° 9	T 27
F 28	18 25 25	6°22'09	12♓27	27°25	24°11	0♌16	10°49	12°33	3°26	25°10	2°36	10°17	9° 2	15°33	3°14	F 28
S 29	18 29 21	7°19'20	25°38	29°31	23°47	0°54	10°44	12°33	3°25	25° 8	2°38	10°15	8°58	15°39	3°18	S 29
S 30	18 33 18	8♋16'30	8♈23	1♋39	23♋21	1♌32	10♒39	12♓32	3♏24	25♏ 7	2♊39	10°D14	8♏55	15♊46	3♊22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 5	1s20	4n18	13n28	3s46	24n16	2n26	24n 3	1n14	17s49	0s38	8s40	1s48	12s26	0n29	17s31	1n46	9n 3	11s47	15s21	14s59	19n38	16n52	3s38
S 2	22 13	2n59	3 32	13 44	3 44	24 5	2 20	23 59	1 14	17 49	0 38	8 39	1 48	12 25	0 29	17 31	1 46	9 3	11 47	15 22	14 58	19 38	16 53	3 39
M 3	22 20	7 4	2 37	14 1	3 40	23 55	2 14	23 55	1 14	17 50	0 38	8 39	1 48	12 25	0 29	17 31	1 46	9 3	11 47	15 22	14 57	19 38	16 54	3 39
T 4	22 28	10 48	1 36	14 19	3 35	23 44	2 8	23 51	1 14	17 50	0 39	8 38	1 48	12 24	0 29	17 30	1 46	9 4	11 47	15 23	14 56	19 38	16 55	3 39
W 5	22 34	14 2	0 32	14 39	3 30	23 33	2 1	23 46	1 14	17 51	0 39	8 38	1 49	12 24	0 29	17 30	1 46	9 4	11 47	15 23	14 55	19 38	16 55	3 39
T 6	22 41	16 39	0s33	15 0	3 24	23 21	1 54	23 42	1 14	17 51	0 39	8 37	1 49	12 23	0 29	17 29	1 46	9 4	11 47	15 23	14 54	19 38	16 56	3 39
F 7	22 47	18 33	1 36	15 22	3 18	23 10	1 47	23 37	1 14	17 52	0 39	8 37	1 49	12 22	0 28	17 29	1 46	9 4	11 47	15 23	14 53	19 38	16 57	3 39
S 8	22 53	19 38	2 35	15 46	3 11	22 59	1 39	23 32	1 14	17 52	0 40	8 36	1 49	12 22	0 28	17 29	1 46	9 5	11 47	15 22	14 52	19 38	16 58	3 39
S 9	22 58	19 52	3 27	16 10	3 3	22 47	1 31	23 27	1 14	17 53	0 40	8 36	1 50	12 21	0 28	17 29	1 46	9 5	11 47	15 20	14 51	19 38	16 58	3 40
M10	23 3	19 13	4 10	16 35	2 55	22 36	1 23	23 22	1 14	17 54	0 40	8 36	1 50	12 21	0 28	17 28	1 46	9 5	11 47	15 18	14 50	19 38	16 59	3 40
T 11	23 7	17 43	4 43	17 1	2 46	22 24	1 14	23 16	1 14	17 55	0 40	8 36	1 50	12 20	0 28	17 28	1 46	9 5	11 47	15 16	14 49	19 38	17 0	3 40
W12	23 11	15 25	5 3	17 28	2 37	22 12	1 5	23 10	1 14	17 56	0 41	8 35	1 50	12 20	0 28	17 28	1 46	9 5	11 47	15 14	14 48	19 38	17 1	3 40
T 13	23 15	12 26	5 10	17 55	2 27	22 1	0 56	23 5	1 14	17 56	0 41	8 35	1 51	12 20	0 28	17 27	1 46	9 6	11 47	15 12	14 47	19 39	17 1	3 40
F 14	23 18	8 52	5 2	18 22	2 17	21 49	0 46	22 59	1 13	17 57	0 41	8 35	1 51	12 19	0 28	17 27	1 46	9 6	11 47	15 10	14 46	19 39	17 2	3 40
S 15	23 21	4 50	4 40	18 50	2 6	21 37	0 36	22 53	1 13	17 58	0 41	8 35	1 51	12 19	0 28	17 27	1 46	9 6	11 47	15 9	14 45	19 39	17 3	3 41
S 16	23 23	0 30	4 3	19 17	1 56	21 26	0 25	22 46	1 13	17 59	0 42	8 35	1 51	12 18	0 28	17 26	1 46	9 6	11 47	15 9	14 44	19 39	17 4	3 41
M17	23 25	3s59	3 13	19 45	1 44	21 14	0 14	22 40	1 13	18 1	0 42	8 35	1 52	12 18	0 28	17 26	1 46	9 6	11 47	15 9	14 43	19 39	17 4	3 41
T 18	23 27	8 24	2 10	20 12	1 33	21 3	0 3	22 33	1 13	18 2	0 42	8 35	1 52	12 17	0 28	17 26	1 46	9 6	11 47	15 9	14 42	19 39	17 5	3 41
W19	23 28	12 30	0 58	20 39	1 22	20 51	0s 8	22 27	1 13	18 3	0 42	8 35	1 52	12 17	0 28	17 26	1 46	9 7	11 48	15 9	14 41	19 39	17 6	3 41
T 20	23 29	15 58	0n20	21 5	1 10	20 40	0 20	22 20	1 13	18 4	0 42	8 35	1 52	12 17	0 28	17 25	1 46	9 7	11 48	15 10	14 40	19 39	17 6	3 42
F 21	23 29	18 30	1 39	21 31	0 58	20 29	0 33	22 13	1 13	18 5	0 43	8 35	1 53	12 16	0 28	17 25	1 45	9 7	11 48	15 9	14 39	19 39	17 7	3 42
S 22	23 29	19 46	2 51	21 55	0 46	20 18	0 45	22 5	1 13	18 7	0 43	8 35	1 53	12 16	0 28	17 25	1 45	9 7	11 48	15 8	14 38	19 39	17 8	3 42
S 23	23 28	19 37	3 52	22 19	0 34	20 7	0 58	21 58	1 13	18 8	0 43	8 36	1 53	12 16	0 28	17 24	1 45	9 7	11 48	15 6	14 37	19 39	17 8	3 42
M24	23 28	18 3	4 37	22 41	0 23	19 56	1 11	21 50	1 13	18 10	0 43	8 36	1 53	12 16	0 28	17 24	1 45	9 7	11 48	15 4	14 36	19 39	17 9	3 42
T 25	23 26	15 16	5 1	23 1	0 11	19 45	1 25	21 43	1 13	18 11	0 44	8 36	1 54	12 15	0 28	17 24	1 45	9 7	11 48	15 2	14 35	19 39	17 9	3 43
W26	23 25	11 36	5 6	23 19	0n 0	19 35	1 39	21 35	1 13	18 13	0 44	8 36	1 54	12 15	0 28	17 24	1 45	9 8	11 48	14 59	14 34	19 39	17 10	3 43
T 27	23 22	7 22	4 51	23 36	0 12	19 25	1 52	21 27	1 13	18 14	0 44	8 37	1 54	12 15	0 28	17 23	1 45	9 8	11 48	14 57	14 33	19 39	17 11	3 43
F 28	23 20	2 54	4 20	23 50	0 22	19 14	2 7	21 19	1 13	18 16	0 44	8 37	1 54	12 15	0 28	17 23	1 45	9 8	11 48	14 56	14 32	19 39	17 11	3 43
S 29	23 17	1n34	3 36	24 2	0 33	19 5	2 21	21 10	1 13	18 17	0 45	8 38	1 55	12 14	0 28	17 23	1 45	9 8	11 48	14 55	14 31	19 39	17 12	3 44
S 30	23n14	5n49	2n42	24n11	0n42	18n55	2s35	21n 2	1n12	18s19	0s45	8s38	1s55	12s14	0n28	17s23	1n45	9n 8	11s49	14s55	14s30	19n39	17n12	3s44

Julian Day Number = 2320574.5, Delta T = 49.36 sec
Ecliptic obliquity = 23°29'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'07, Lahiri = 18°51'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

JULY 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 37 14	9♋13'41	20♈47	3♋47	22°R54	2♌ 9	10°R33	12°R31	3°R24	25°R 6	2♊40	10♏15	8♏52	15♊53	3♊26	M 1
T 2	18 41 11	10°10'53	2♉55	5°57	22♋25	2°47	10♒28	12♓31	3♏23	25♏ 5	2°41	10°15	8°49	16° 0	3°30	T 2
W 3	18 45 7	11° 8'05	14°51	8° 6	21°54	3°25	10°22	12°30	3°23	25° 4	2°42	10°R16	8°46	16° 6	3°34	W 3
T 4	18 49 4	12° 5'17	26°41	10°16	21°21	4° 3	10°16	12°29	3°22	25° 3	2°43	10°14	8°42	16°13	3°38	T 4
F 5	18 53 1	13° 2'29	8♊28	12°26	20°47	4°41	10°10	12°27	3°22	25° 2	2°44	10°10	8°39	16°20	3°42	F 5
S 6	18 56 57	13°59'42	20°17	14°35	20°12	5°18	10° 4	12°26	3°22	25° 1	2°45	10° 4	8°36	16°26	3°46	S 6
S 7	19 0 54	14°56'56	2♋ 9	16°44	19°36	5°56	9°57	12°25	3°21	25° 0	2°46	9°56	8°33	16°33	3°50	S 7
M 8	19 4 50	15°54'09	14° 8	18°52	19° 0	6°34	9°51	12°23	3°21	25° 0	2°48	9°45	8°30	16°40	3°54	M 8
T 9	19 8 47	16°51'23	26°13	20°58	18°23	7°12	9°45	12°22	3°21	24°59	2°49	9°33	8°27	16°46	3°58	T 9
W10	19 12 43	17°48'38	8♌28	23° 4	17°45	7°50	9°38	12°20	3°21	24°58	2°50	9°21	8°23	16°53	4° 2	W10
T 11	19 16 40	18°45'52	20°52	25° 8	17° 8	8°28	9°31	12°19	3°21	24°57	2°51	9°10	8°20	17° 0	4° 6	T 11
F 12	19 20 36	19°43'07	3♍27	27°11	16°31	9° 5	9°24	12°17	3°D21	24°56	2°52	9° 0	8°17	17° 6	4°10	F 12
S 13	19 24 33	20°40'22	16°14	29°12	15°54	9°43	9°17	12°15	3°21	24°55	2°53	8°53	8°14	17°13	4°13	S 13
S 14	19 28 30	21°37'37	29°14	1♌11	15°18	10°21	9°10	12°13	3°21	24°55	2°54	8°49	8°11	17°20	4°17	S 14
M15	19 32 26	22°34'52	12♎30	3° 9	14°43	10°59	9° 3	12°11	3°21	24°54	2°54	8°47	8° 8	17°26	4°21	M15
T 16	19 36 23	23°32'08	26° 4	5° 6	14° 9	11°37	8°56	12° 9	3°21	24°53	2°55	8°D47	8° 4	17°33	4°24	T 16
W17	19 40 19	24°29'24	9♏58	7° 0	13°36	12°15	8°49	12° 6	3°22	24°53	2°56	8°R47	8° 1	17°40	4°28	W17
T 18	19 44 16	25°26'40	24°12	8°53	13° 5	12°53	8°41	12° 4	3°22	24°52	2°57	8°47	7°58	17°46	4°31	T 18
F 19	19 48 12	26°23'57	8♐45	10°44	12°35	13°30	8°34	12° 2	3°22	24°52	2°58	8°44	7°55	17°53	4°35	F 19
S 20	19 52 9	27°21'14	23°33	12°33	12° 8	14° 8	8°27	11°59	3°23	24°51	2°59	8°39	7°52	18° 0	4°38	S 20
S 21	19 56 6	28°18'32	8♑31	14°21	11°42	14°46	8°19	11°57	3°23	24°51	3° 0	8°31	7°48	18° 6	4°41	S 21
M22	20 0 2	29°15'50	23°30	16° 7	11°18	15°24	8°11	11°54	3°24	24°50	3° 1	8°22	7°45	18°13	4°45	M22
T 23	20 3 59	0♌13'09	8♒21	17°51	10°57	16° 2	8° 4	11°51	3°24	24°50	3° 2	8°11	7°42	18°20	4°48	T 23
W24	20 7 55	1°10'29	22°54	19°33	10°38	16°40	7°56	11°48	3°25	24°49	3° 2	8° 0	7°39	18°26	4°51	W24
T 25	20 11 52	2° 7'49	7♓ 4	21°14	10°21	17°18	7°48	11°46	3°25	24°49	3° 3	7°50	7°36	18°33	4°54	T 25
F 26	20 15 48	3° 5'11	20°46	22°53	10° 6	17°56	7°41	11°43	3°26	24°48	3° 4	7°43	7°33	18°40	4°58	F 26
S 27	20 19 45	4° 2'34	4♈ 0	24°30	9°54	18°34	7°33	11°39	3°27	24°48	3° 5	7°38	7°29	18°46	5° 1	S 27
S 28	20 23 41	4°59'57	16°48	26° 6	9°44	19°12	7°25	11°36	3°28	24°48	3° 5	7°36	7°26	18°53	5° 4	S 28
M29	20 27 38	5°57'23	29°14	27°40	9°37	19°49	7°17	11°33	3°29	24°47	3° 6	7°35	7°23	19° 0	5° 7	M29
T 30	20 31 34	6°54'49	11♉23	29°12	9°32	20°27	7° 9	11°30	3°30	24°47	3° 7	7°35	7°20	19° 6	5°10	T 30
W31	20 35 31	7♌52'16	23♉19	0♍43	9♋29	21♌ 5	7♒ 2	11♓27	3♏31	24♏47	3♊ 7	7♏34	7♏17	19♊13	5♊12	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n10	9n43	1n43	24n18	0n52	18n45	2s49	20n53	1n12	18s21	0s45	8s39	1s55	12s14	0n28	17s23	1n45	9n 8	11s49	14s55	14s29	19n39	17n13	3s44
T 2	23 6	13 7	0 39	24 21	1 0	18 36	3 3	20 45	1 12	18 22	0 45	8 39	1 55	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 28	19 39	17 13	3 44
W 3	23 1	15 56	0s25	24 23	1 9	18 27	3 17	20 36	1 12	18 24	0 45	8 40	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 27	19 39	17 14	3 45
T 4	22 56	18 3	1 27	24 21	1 16	18 18	3 31	20 27	1 12	18 26	0 46	8 40	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 26	19 39	17 14	3 45
F 5	22 51	19 22	2 25	24 16	1 23	18 10	3 45	20 18	1 12	18 28	0 46	8 41	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 54	14 25	19 39	17 15	3 45
S 6	22 45	19 52	3 17	24 9	1 29	18 2	3 59	20 8	1 12	18 30	0 46	8 42	1 56	12 13	0 28	17 22	1 45	9 9	11 49	14 52	14 24	19 39	17 15	3 45
S 7	22 39	19 28	4 0	23 59	1 34	17 54	4 12	19 59	1 12	18 32	0 46	8 42	1 57	12 13	0 28	17 21	1 45	9 9	11 49	14 49	14 23	19 39	17 16	3 46
M 8	22 32	18 12	4 33	23 46	1 38	17 46	4 25	19 49	1 12	18 34	0 46	8 43	1 57	12 13	0 28	17 21	1 45	9 9	11 49	14 46	14 22	19 39	17 16	3 46
T 9	22 25	16 8	4 54	23 31	1 42	17 39	4 37	19 40	1 12	18 35	0 47	8 44	1 57	12 13	0 28	17 21	1 45	9 9	11 50	14 42	14 21	19 39	17 17	3 46
W10	22 18	13 19	5 2	23 14	1 45	17 32	4 49	19 30	1 11	18 37	0 47	8 45	1 57	12 13	0 28	17 21	1 45	9 9	11 50	14 38	14 20	19 39	17 17	3 46
T 11	22 10	9 53	4 56	22 54	1 47	17 25	5 0	19 20	1 11	18 39	0 47	8 46	1 57	12 13	0 27	17 21	1 45	9 9	11 50	14 35	14 19	19 39	17 18	3 47
F 12	22 2	5 59	4 36	22 32	1 48	17 19	5 11	19 10	1 11	18 41	0 47	8 47	1 58	12 13	0 27	17 21	1 45	9 9	11 50	14 32	14 18	19 38	17 18	3 47
S 13	21 53	1 44	4 1	22 8	1 49	17 13	5 21	18 59	1 11	18 43	0 47	8 48	1 58	12 13	0 27	17 21	1 44	9 9	11 50	14 29	14 17	19 38	17 18	3 47
S 14	21 45	2s39	3 14	21 42	1 49	17 7	5 31	18 49	1 11	18 46	0 48	8 49	1 58	12 14	0 27	17 20	1 44	9 9	11 50	14 28	14 16	19 38	17 19	3 47
M15	21 35	7 1	2 15	21 15	1 49	17 2	5 40	18 39	1 11	18 48	0 48	8 50	1 58	12 14	0 27	17 20	1 44	9 9	11 50	14 27	14 15	19 38	17 19	3 48
T 16	21 26	11 7	1 7	20 46	1 47	16 58	5 48	18 28	1 11	18 50	0 48	8 51	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 14	19 38	17 20	3 48
W17	21 16	14 44	0n 6	20 15	1 46	16 53	5 56	18 17	1 11	18 52	0 48	8 52	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 12	19 38	17 20	3 48
T 18	21 5	17 33	1 21	19 44	1 43	16 50	6 2	18 6	1 11	18 54	0 48	8 53	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 11	19 38	17 20	3 49
F 19	20 55	19 18	2 32	19 11	1 40	16 46	6 9	17 55	1 10	18 56	0 48	8 54	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 26	14 10	19 38	17 21	3 49
S 20	20 44	19 46	3 33	18 37	1 37	16 43	6 14	17 44	1 10	18 58	0 49	8 55	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 25	14 9	19 38	17 21	3 49
S 21	20 32	18 52	4 21	18 2	1 33	16 41	6 19	17 33	1 10	19 0	0 49	8 56	2 0	12 14	0 27	17 20	1 44	9 9	11 51	14 22	14 8	19 38	17 21	3 50
M22	20 21	16 39	4 51	17 26	1 28	16 39	6 23	17 22	1 10	19 2	0 49	8 57	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 19	14 7	19 38	17 21	3 50
T 23	20 8	13 22	5 1	16 50	1 23	16 37	6 26	17 10	1 10	19 5	0 49	8 59	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 16	14 6	19 38	17 22	3 50
W24	19 56	9 19	4 51	16 13	1 18	16 36	6 29	16 59	1 10	19 7	0 49	9 0	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 12	14 5	19 38	17 22	3 50
T 25	19 43	4 51	4 23	15 35	1 12	16 35	6 31	16 47	1 10	19 9	0 49	9 1	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 9	14 4	19 37	17 22	3 51
F 26	19 30	0 17	3 41	14 57	1 6	16 35	6 32	16 35	1 9	19 11	0 50	9 3	2 1	12 16	0 27	17 20	1 44	9 9	11 52	14 7	14 3	19 37	17 22	3 51
S 27	19 17	4n10	2 48	14 18	0 59	16 35	6 33	16 23	1 9	19 13	0 50	9 4	2 1	12 16	0 27	17 20	1 44	9 9	11 53	14 5	14 2	19 37	17 23	3 51
S 28	19 3	8 16	1 48	13 40	0 52	16 35	6 33	16 11	1 9	19 15	0 50	9 5	2 1	12 16	0 27	17 20	1 44	9 9	11 53	14 4	14 1	19 37	17 23	3 52
M29	18 49	11 55	0 44	13 1	0 45	16 36	6 33	15 59	1 9	19 17	0 50	9 7	2 1	12 17	0 27	17 20	1 44	9 9	11 53	14 4	14 0	19 37	17 23	3 52
T 30	18 35	14 57	0s20	12 21	0 37	16 37	6 33	15 47	1 9	19 19	0 50	9 8	2 1	12 17	0 27	17 20	1 44	9 9	11 53	14 4	13 59	19 37	17 23	3 52
W31	18n20	17n19	1s22	11n42	0n30	16n38	6s31	15n35	1n 9	19s22	0s50	9s10	2s 2	12s17	0n27	17s20	1n43	9n 9	11s53	14s 4	13s58	19n37	17n23	3s53

Julian Day Number = 2320604.5, Delta T = 49.30 sec
Ecliptic obliquity = 23°29'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'11, Lahiri = 18°51'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

AUGUST 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 39 28	8♌49'45	5♊ 9	2♍12	9°D29	21♌43	6°R54	11°R23	3♏32	24°R47	3♊ 8	7°R33	7♏14	19♊20	5♊15	T 1
F 2	20 43 24	9°47'16	16°58	3°39	9♋31	22°21	6♒46	11♓20	3°33	24♏47	3° 9	7♏28	7°10	19°27	5°18	F 2
S 3	20 47 21	10°44'47	28°49	5° 4	9°35	22°59	6°38	11°16	3°34	24°47	3° 9	7°22	7° 7	19°33	5°21	S 3
S 4	20 51 17	11°42'20	10♋46	6°28	9°42	23°37	6°30	11°12	3°35	24°46	3°10	7°12	7° 4	19°40	5°23	S 4
M 5	20 55 14	12°39'54	22°53	7°49	9°51	24°15	6°23	11° 9	3°36	24°46	3°11	7° 0	7° 1	19°47	5°26	M 5
T 6	20 59 10	13°37'29	5♌10	9° 9	10° 2	24°53	6°15	11° 5	3°38	24°D46	3°11	6°47	6°58	19°53	5°28	T 6
W 7	21 3 7	14°35'05	17°39	10°27	10°15	25°31	6° 7	11° 1	3°39	24°46	3°12	6°34	6°54	20° 0	5°31	W 7
T 8	21 7 3	15°32'43	0♍20	11°44	10°29	26°10	6° 0	10°57	3°40	24°46	3°12	6°22	6°51	20° 7	5°33	T 8
F 9	21 11 0	16°30'22	13°12	12°58	10°46	26°48	5°52	10°53	3°42	24°47	3°13	6°11	6°48	20°13	5°36	F 9
S 10	21 14 57	17°28'02	26°15	14°10	11° 5	27°26	5°45	10°49	3°43	24°47	3°13	6° 3	6°45	20°20	5°38	S 10
S 11	21 18 53	18°25'43	9♎30	15°20	11°26	28° 4	5°37	10°45	3°45	24°47	3°14	5°59	6°42	20°27	5°40	S 11
M12	21 22 50	19°23'25	22°56	16°28	11°48	28°42	5°30	10°41	3°46	24°47	3°14	5°56	6°39	20°33	5°42	M12
T 13	21 26 46	20°21'08	6♏35	17°33	12°12	29°20	5°22	10°37	3°48	24°47	3°15	5°D56	6°35	20°40	5°44	T 13
W14	21 30 43	21°18'52	20°27	18°36	12°38	29°58	5°15	10°33	3°50	24°47	3°15	5°R56	6°32	20°47	5°46	W14
T 15	21 34 39	22°16'38	4♐32	19°36	13° 5	0♍36	5° 8	10°29	3°51	24°48	3°15	5°56	6°29	20°53	5°48	T 15
F 16	21 38 36	23°14'24	18°50	20°34	13°34	1°14	5° 1	10°25	3°53	24°48	3°16	5°53	6°26	21° 0	5°50	F 16
S 17	21 42 32	24°12'12	3♑18	21°29	14° 4	1°53	4°54	10°20	3°55	24°48	3°16	5°49	6°23	21° 7	5°52	S 17
S 18	21 46 29	25°10'01	17°53	22°21	14°35	2°31	4°47	10°16	3°57	24°49	3°17	5°42	6°20	21°13	5°54	S 18
M19	21 50 26	26° 7'51	2♒29	23°10	15° 9	3° 9	4°40	10°12	3°59	24°49	3°17	5°33	6°16	21°20	5°56	M19
T 20	21 54 22	27° 5'43	16°59	23°56	15°43	3°47	4°34	10° 7	4° 1	24°50	3°17	5°22	6°13	21°27	5°57	T 20
W21	21 58 19	28° 3'36	1♓16	24°38	16°19	4°25	4°27	10° 3	4° 3	24°50	3°17	5°12	6°10	21°33	5°59	W21
T 22	22 2 15	29° 1'30	15°14	25°16	16°56	5° 4	4°21	9°59	4° 5	24°50	3°18	5° 3	6° 7	21°40	6° 0	T 22
F 23	22 6 12	29°59'26	28°49	25°50	17°34	5°42	4°14	9°54	4° 7	24°51	3°18	4°56	6° 4	21°47	6° 2	F 23
S 24	22 10 8	0♍57'24	12♈ 0	26°21	18°13	6°20	4° 8	9°50	4° 9	24°52	3°18	4°51	6° 0	21°54	6° 3	S 24
S 25	22 14 5	1°55'24	24°48	26°46	18°53	6°58	4° 2	9°45	4°11	24°52	3°18	4°49	5°57	22° 0	6° 5	S 25
M26	22 18 1	2°53'26	7♉14	27° 7	19°35	7°37	3°56	9°41	4°13	24°53	3°18	4°D48	5°54	22° 7	6° 6	M26
T 27	22 21 58	3°51'29	19°24	27°23	20°17	8°15	3°50	9°36	4°16	24°53	3°19	4°49	5°51	22°14	6° 7	T 27
W28	22 25 55	4°49'35	1♊23	27°33	21° 1	8°53	3°44	9°31	4°18	24°54	3°19	4°R50	5°48	22°20	6° 8	W28
T 29	22 29 51	5°47'42	13°14	27°R38	21°45	9°32	3°39	9°27	4°20	24°55	3°19	4°49	5°45	22°27	6° 9	T 29
F 30	22 33 48	6°45'52	25° 4	27°37	22°31	10°10	3°34	9°22	4°23	24°56	3°19	4°48	5°41	22°34	6°10	F 30
S 31	22 37 44	7♍44'03	6♋58	27♍30	23♋17	10♍48	3♒28	9♓18	4♏25	24♏56	3♊19	4♏43	5♏38	22♊40	6♊11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 5	18n54	2s20	11n 3	0n21	16n40	6s30	15n22	1n 8	19s24	0s50	9s11	2s 2	12s18	0n27	17s20	1n43	9n 9	11s53	14s 3	13s57	19n37	17n24	3s53
F 2	17 50	19 39	3 12	10 23	0 13	16 42	6 28	15 10	1 8	19 26	0 50	9 13	2 2	12 18	0 27	17 20	1 43	9 8	11 54	14 2	13 56	19 36	17 24	3 53
S 3	17 34	19 33	3 56	9 44	0 4	16 44	6 25	14 57	1 8	19 28	0 51	9 14	2 2	12 19	0 27	17 20	1 43	9 8	11 54	14 0	13 55	19 36	17 24	3 54
S 4	17 18	18 34	4 29	9 5	0s 5	16 46	6 23	14 44	1 8	19 30	0 51	9 16	2 2	12 19	0 27	17 20	1 43	9 8	11 54	13 57	13 54	19 36	17 24	3 54
M 5	17 2	16 45	4 51	8 26	0 14	16 48	6 20	14 31	1 8	19 32	0 51	9 17	2 3	12 19	0 27	17 20	1 43	9 8	11 54	13 53	13 53	19 36	17 24	3 54
T 6	16 46	14 9	5 0	7 48	0 23	16 51	6 16	14 19	1 8	19 34	0 51	9 19	2 3	12 20	0 27	17 20	1 43	9 8	11 54	13 48	13 52	19 36	17 24	3 55
W 7	16 29	10 53	4 55	7 10	0 32	16 54	6 13	14 6	1 7	19 36	0 51	9 20	2 3	12 20	0 27	17 20	1 43	9 8	11 55	13 44	13 51	19 36	17 24	3 55
T 8	16 12	7 5	4 35	6 32	0 42	16 57	6 9	13 52	1 7	19 38	0 51	9 22	2 3	12 21	0 27	17 20	1 43	9 8	11 55	13 40	13 50	19 36	17 24	3 56
F 9	15 55	2 54	4 1	5 54	0 52	17 0	6 4	13 39	1 7	19 40	0 51	9 24	2 3	12 21	0 27	17 20	1 43	9 8	11 55	13 36	13 49	19 35	17 24	3 56
S 10	15 38	1s28	3 14	5 18	1 2	17 3	6 0	13 26	1 7	19 42	0 51	9 25	2 3	12 22	0 27	17 20	1 43	9 8	11 55	13 34	13 48	19 35	17 24	3 56
S 11	15 20	5 50	2 15	4 41	1 12	17 5	5 55	13 13	1 7	19 44	0 51	9 27	2 4	12 22	0 26	17 20	1 43	9 8	11 55	13 32	13 47	19 35	17 24	3 57
M12	15 2	10 0	1 8	4 6	1 22	17 8	5 50	12 59	1 6	19 46	0 51	9 29	2 4	12 23	0 26	17 20	1 43	9 7	11 56	13 32	13 46	19 35	17 24	3 57
T 13	14 44	13 41	0n 3	3 31	1 32	17 11	5 45	12 46	1 6	19 48	0 52	9 30	2 4	12 24	0 26	17 20	1 43	9 7	11 56	13 31	13 44	19 35	17 24	3 57
W14	14 25	16 40	1 16	2 57	1 42	17 14	5 40	12 32	1 6	19 50	0 52	9 32	2 4	12 24	0 26	17 20	1 43	9 7	11 56	13 31	13 43	19 35	17 24	3 58
T 15	14 7	18 42	2 26	2 24	1 52	17 17	5 35	12 18	1 6	19 51	0 52	9 34	2 4	12 25	0 26	17 21	1 43	9 7	11 56	13 31	13 42	19 34	17 24	3 58
F 16	13 48	19 35	3 27	1 52	2 3	17 20	5 29	12 5	1 6	19 53	0 52	9 36	2 4	12 25	0 26	17 21	1 43	9 7	11 56	13 31	13 41	19 34	17 24	3 58
S 17	13 29	19 11	4 16	1 21	2 13	17 22	5 24	11 51	1 5	19 55	0 52	9 37	2 4	12 26	0 26	17 21	1 42	9 7	11 57	13 29	13 40	19 34	17 24	3 59
S 18	13 9	17 32	4 48	0 51	2 23	17 25	5 18	11 37	1 5	19 57	0 52	9 39	2 4	12 27	0 26	17 21	1 42	9 7	11 57	13 27	13 39	19 34	17 24	3 59
M19	12 50	14 44	5 2	0 22	2 33	17 27	5 12	11 23	1 5	19 58	0 52	9 41	2 5	12 27	0 26	17 21	1 42	9 6	11 57	13 24	13 38	19 34	17 24	4 0
T 20	12 30	11 4	4 56	0s 5	2 43	17 29	5 6	11 9	1 5	20 0	0 52	9 43	2 5	12 28	0 26	17 21	1 42	9 6	11 57	13 20	13 37	19 33	17 24	4 0
W21	12 10	6 48	4 32	0 31	2 53	17 31	5 0	10 55	1 5	20 2	0 52	9 44	2 5	12 29	0 26	17 22	1 42	9 6	11 58	13 17	13 36	19 33	17 24	4 0
T 22	11 50	2 16	3 52	0 55	3 3	17 33	4 54	10 40	1 4	20 3	0 52	9 46	2 5	12 30	0 26	17 22	1 42	9 6	11 58	13 14	13 35	19 33	17 24	4 1
F 23	11 30	2n16	2 59	1 17	3 12	17 34	4 48	10 26	1 4	20 5	0 52	9 48	2 5	12 30	0 26	17 22	1 42	9 6	11 58	13 11	13 34	19 33	17 24	4 1
S 24	11 9	6 34	1 59	1 37	3 21	17 36	4 41	10 12	1 4	20 6	0 52	9 50	2 5	12 31	0 26	17 22	1 42	9 6	11 58	13 10	13 33	19 33	17 24	4 1
S 25	10 49	10 27	0 53	1 55	3 30	17 36	4 35	9 57	1 4	20 8	0 52	9 52	2 5	12 32	0 26	17 22	1 42	9 5	11 58	13 9	13 32	19 32	17 23	4 2
M26	10 28	13 45	0s13	2 11	3 38	17 37	4 29	9 43	1 3	20 9	0 52	9 53	2 5	12 33	0 26	17 22	1 42	9 5	11 59	13 9	13 31	19 32	17 23	4 2
T 27	10 7	16 22	1 17	2 24	3 46	17 37	4 22	9 28	1 3	20 11	0 52	9 55	2 5	12 33	0 26	17 23	1 42	9 5	11 59	13 9	13 30	19 32	17 23	4 3
W28	9 46	18 14	2 17	2 35	3 53	17 37	4 16	9 14	1 3	20 12	0 52	9 57	2 5	12 34	0 26	17 23	1 42	9 5	11 59	13 9	13 29	19 32	17 23	4 3
T 29	9 24	19 17	3 11	2 43	3 59	17 37	4 9	8 59	1 3	20 13	0 52	9 59	2 6	12 35	0 26	17 23	1 42	9 5	11 59	13 9	13 28	19 31	17 23	4 3
F 30	9 3	19 28	3 56	2 48	4 5	17 36	4 3	8 44	1 3	20 15	0 52	10 1	2 6	12 36	0 26	17 23	1 42	9 4	12 0	13 9	13 27	19 31	17 22	4 4
S 31	8n41	18n47	4s31	2s49	4s 9	17n35	3s56	8n29	1n 2	20s16	0s52	10s 2	2s 6	12s37	0n26	17s24	1n42	9n 4	12s 0	13s 7	13s26	19n31	17n22	4s 4

Julian Day Number = 2320635.5, Delta T = 49.24 sec
Ecliptic obliquity = 23°29'02, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'16, Lahiri = 18°51'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

SEPTEMBER 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 41 41	8♍42'17	19♋ 0	27°R17	24♋ 4	11♍27	3°R23	9°R13	4♏27	24♏57	3♊19	4°R37	5♏35	22♊47	6♊12	S 1
M 2	22 45 37	9°40'32	1♌13	26♍57	24°52	12° 5	3♒18	9♓ 9	4°30	24°58	3°R19	4♏29	5°32	22°54	6°13	M 2
T 3	22 49 34	10°38'50	13°41	26°31	25°41	12°44	3°14	9° 4	4°32	24°59	3°19	4°20	5°29	23° 0	6°14	T 3
W 4	22 53 30	11°37'09	26°23	25°58	26°31	13°22	3° 9	8°59	4°35	25° 0	3°19	4°10	5°25	23° 7	6°14	W 4
T 5	22 57 27	12°35'30	9♍21	25°19	27°21	14° 0	3° 4	8°55	4°38	25° 1	3°19	4° 1	5°22	23°14	6°15	T 5
F 6	23 1 24	13°33'53	22°34	24°34	28°12	14°39	3° 0	8°50	4°40	25° 2	3°19	3°54	5°19	23°20	6°15	F 6
S 7	23 5 20	14°32'18	6♎ 1	23°44	29° 4	15°17	2°56	8°46	4°43	25° 3	3°19	3°48	5°16	23°27	6°16	S 7
S 8	23 9 17	15°30'44	19°38	22°49	29°56	15°56	2°52	8°41	4°46	25° 4	3°19	3°45	5°13	23°34	6°16	S 8
M 9	23 13 13	16°29'13	3♏25	21°50	0♌49	16°34	2°48	8°37	4°49	25° 5	3°18	3°D44	5°10	23°41	6°16	M 9
T 10	23 17 10	17°27'43	17°20	20°48	1°42	17°13	2°45	8°32	4°51	25° 6	3°18	3°45	5° 6	23°47	6°16	T 10
W11	23 21 6	18°26'14	1♐21	19°45	2°37	17°52	2°41	8°28	4°54	25° 7	3°18	3°46	5° 3	23°54	6°17	W11
T 12	23 25 3	19°24'48	15°27	18°43	3°31	18°30	2°38	8°23	4°57	25° 8	3°18	3°R47	5° 0	24° 1	6°R17	T 12
F 13	23 28 59	20°23'23	29°38	17°41	4°27	19° 9	2°35	8°19	5° 0	25° 9	3°18	3°47	4°57	24° 7	6°17	F 13
S 14	23 32 56	21°21'59	13♑51	16°43	5°23	19°47	2°32	8°14	5° 3	25°11	3°18	3°45	4°54	24°14	6°17	S 14
S 15	23 36 53	22°20'38	28° 4	15°50	6°19	20°26	2°30	8°10	5° 6	25°12	3°17	3°41	4°51	24°21	6°16	S 15
M16	23 40 49	23°19'17	12♒13	15° 2	7°16	21° 5	2°27	8° 6	5° 9	25°13	3°17	3°35	4°47	24°27	6°16	M16
T 17	23 44 46	24°17'59	26°16	14°22	8°13	21°43	2°25	8° 1	5°12	25°14	3°17	3°29	4°44	24°34	6°16	T 17
W18	23 48 42	25°16'43	10♓ 7	13°50	9°11	22°22	2°23	7°57	5°15	25°16	3°16	3°23	4°41	24°41	6°16	W18
T 19	23 52 39	26°15'28	23°43	13°27	10°10	23° 1	2°21	7°53	5°18	25°17	3°16	3°17	4°38	24°47	6°15	T 19
F 20	23 56 35	27°14'15	7♈ 1	13°13	11° 8	23°40	2°20	7°49	5°21	25°18	3°16	3°13	4°35	24°54	6°15	F 20
S 21	0 0 32	28°13'05	20° 1	13°D10	12° 8	24°18	2°18	7°44	5°24	25°20	3°15	3°11	4°31	25° 1	6°14	S 21
S 22	0 4 28	29°11'56	2♉42	13°17	13° 7	24°57	2°17	7°40	5°27	25°21	3°15	3°D10	4°28	25° 7	6°13	S 22
M23	0 8 25	0♎10'50	15° 6	13°34	14° 8	25°36	2°16	7°36	5°31	25°23	3°14	3°11	4°25	25°14	6°13	M23
T 24	0 12 21	1° 9'46	27°15	14° 0	15° 8	26°15	2°15	7°32	5°34	25°24	3°14	3°12	4°22	25°21	6°12	T 24
W25	0 16 18	2° 8'45	9♊14	14°36	16° 9	26°54	2°14	7°28	5°37	25°26	3°14	3°14	4°19	25°28	6°11	W25
T 26	0 20 15	3° 7'45	21° 6	15°21	17°10	27°32	2°14	7°24	5°40	25°27	3°13	3°15	4°16	25°34	6°10	T 26
F 27	0 24 11	4° 6'48	2♋57	16°15	18°12	28°11	2°13	7°21	5°44	25°29	3°13	3°R16	4°12	25°41	6° 9	F 27
S 28	0 28 8	5° 5'54	14°51	17°15	19°14	28°50	2°D13	7°17	5°47	25°30	3°12	3°16	4° 9	25°48	6° 8	S 28
S 29	0 32 4	6° 5'01	26°54	18°23	20°17	29°29	2°13	7°13	5°50	25°32	3°12	3°14	4° 6	25°54	6° 7	S 29
M30	0 36 1	7♎ 4'11	9♌10	19♍37	21♌19	0♎ 8	2♒14	7♓ 9	5♏54	25♏34	3♊11	3♏11	4♏ 3	26♊ 1	6♊ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n19	17n16	4s55	2s47	4s13	17n34	3s50	8n14	1n 2	20s17	0s52	10s 4	2s 6	12s37	0n26	17s24	1n42	9n 4	12s 0	13s 5	13s24	19n31	17n22	4s 5
M 2	7 57	14 58	5 5	2 41	4 15	17 32	3 43	8 0	1 2	20 18	0 52	10 6	2 6	12 38	0 26	17 24	1 41	9 4	12 0	13 2	13 23	19 30	17 22	4 5
T 3	7 35	11 56	5 2	2 32	4 16	17 30	3 37	7 45	1 2	20 19	0 52	10 8	2 6	12 39	0 26	17 24	1 41	9 4	12 0	12 59	13 22	19 30	17 21	4 5
W 4	7 13	8 18	4 43	2 18	4 16	17 27	3 30	7 30	1 1	20 20	0 52	10 9	2 6	12 40	0 26	17 25	1 41	9 3	12 1	12 56	13 21	19 30	17 21	4 6
T 5	6 51	4 13	4 10	2 1	4 14	17 24	3 24	7 15	1 1	20 21	0 52	10 11	2 6	12 41	0 26	17 25	1 41	9 3	12 1	12 53	13 20	19 30	17 21	4 6
F 6	6 28	0s 9	3 23	1 40	4 10	17 20	3 17	6 59	1 1	20 22	0 52	10 13	2 6	12 42	0 26	17 25	1 41	9 3	12 1	12 50	13 19	19 29	17 21	4 7
S 7	6 6	4 35	2 24	1 15	4 4	17 17	3 11	6 44	1 1	20 23	0 52	10 15	2 6	12 43	0 26	17 26	1 41	9 3	12 1	12 49	13 18	19 29	17 20	4 7
S 8	5 43	8 51	1 15	0 46	3 57	17 12	3 4	6 29	1 0	20 24	0 52	10 17	2 6	12 44	0 26	17 26	1 41	9 2	12 1	12 47	13 17	19 29	17 20	4 7
M 9	5 21	12 42	0 2	0 14	3 47	17 7	2 57	6 14	1 0	20 25	0 52	10 18	2 6	12 45	0 26	17 26	1 41	9 2	12 2	12 47	13 16	19 29	17 20	4 8
T 10	4 58	15 52	1n13	0n21	3 36	17 2	2 51	5 58	1 0	20 26	0 52	10 20	2 6	12 46	0 26	17 26	1 41	9 2	12 2	12 47	13 15	19 28	17 19	4 8
W11	4 35	18 7	2 24	0 58	3 22	16 57	2 44	5 43	0 59	20 27	0 52	10 22	2 6	12 47	0 26	17 27	1 41	9 2	12 2	12 48	13 14	19 28	17 19	4 9
T 12	4 12	19 16	3 26	1 36	3 7	16 50	2 38	5 28	0 59	20 27	0 52	10 23	2 6	12 48	0 26	17 27	1 41	9 2	12 2	12 48	13 13	19 28	17 18	4 9
F 13	3 49	19 12	4 17	2 15	2 51	16 44	2 32	5 12	0 59	20 28	0 52	10 25	2 6	12 49	0 26	17 27	1 41	9 1	12 3	12 48	13 12	19 28	17 18	4 9
S 14	3 26	17 56	4 51	2 54	2 33	16 37	2 25	4 57	0 59	20 29	0 52	10 27	2 6	12 50	0 26	17 28	1 41	9 1	12 3	12 47	13 11	19 27	17 18	4 10
S 15	3 3	15 33	5 8	3 33	2 14	16 29	2 19	4 41	0 58	20 29	0 52	10 28	2 6	12 51	0 26	17 28	1 41	9 1	12 3	12 46	13 10	19 27	17 17	4 10
M16	2 39	12 16	5 6	4 9	1 54	16 21	2 12	4 26	0 58	20 30	0 52	10 30	2 6	12 52	0 25	17 28	1 41	9 1	12 3	12 44	13 9	19 27	17 17	4 11
T 17	2 16	8 18	4 46	4 43	1 34	16 13	2 6	4 10	0 58	20 30	0 52	10 32	2 6	12 53	0 25	17 29	1 41	9 0	12 3	12 42	13 7	19 26	17 16	4 11
W18	1 53	3 57	4 9	5 14	1 14	16 4	2 0	3 55	0 58	20 31	0 52	10 33	2 6	12 54	0 25	17 29	1 41	9 0	12 4	12 40	13 6	19 26	17 16	4 11
T 19	1 29	0n32	3 18	5 41	0 54	15 54	1 54	3 39	0 57	20 31	0 52	10 35	2 6	12 55	0 25	17 30	1 41	9 0	12 4	12 38	13 5	19 26	17 15	4 12
F 20	1 6	4 54	2 18	6 4	0 35	15 44	1 48	3 24	0 57	20 31	0 52	10 36	2 6	12 56	0 25	17 30	1 41	8 59	12 4	12 37	13 4	19 25	17 15	4 12
S 21	0 43	8 56	1 11	6 22	0 16	15 34	1 41	3 8	0 57	20 32	0 52	10 38	2 6	12 57	0 25	17 30	1 40	8 59	12 4	12 36	13 3	19 25	17 14	4 13
S 22	0 19	12 28	0 3	6 36	0n 1	15 23	1 35	2 52	0 56	20 32	0 52	10 39	2 6	12 58	0 25	17 31	1 40	8 59	12 4	12 36	13 2	19 25	17 14	4 13
M23	0s 4	15 22	1s 5	6 45	0 18	15 12	1 29	2 37	0 56	20 32	0 52	10 41	2 6	12 59	0 25	17 31	1 40	8 59	12 5	12 36	13 1	19 24	17 13	4 13
T 24	0 28	17 30	2 8	6 49	0 33	15 0	1 23	2 21	0 56	20 32	0 52	10 42	2 6	13 0	0 25	17 32	1 40	8 58	12 5	12 36	13 0	19 24	17 13	4 14
W25	0 51	18 50	3 5	6 48	0 47	14 47	1 18	2 5	0 55	20 32	0 52	10 44	2 6	13 1	0 25	17 32	1 40	8 58	12 5	12 37	12 59	19 24	17 12	4 14
T 26	1 15	19 19	3 53	6 42	1 0	14 35	1 12	1 49	0 55	20 32	0 52	10 45	2 6	13 2	0 25	17 32	1 40	8 58	12 5	12 37	12 58	19 23	17 12	4 15
F 27	1 38	18 56	4 31	6 32	1 12	14 21	1 6	1 34	0 55	20 32	0 52	10 47	2 6	13 4	0 25	17 33	1 40	8 58	12 5	12 38	12 57	19 23	17 11	4 15
S 28	2 2	17 43	4 58	6 18	1 22	14 8	1 0	1 18	0 55	20 32	0 52	10 48	2 6	13 5	0 25	17 33	1 40	8 57	12 6	12 37	12 56	19 23	17 11	4 15
S 29	2 25	15 43	5 12	5 59	1 30	13 53	0 55	1 2	0 54	20 32	0 52	10 49	2 6	13 6	0 25	17 34	1 40	8 57	12 6	12 37	12 55	19 22	17 10	4 16
M30	2s49	12n58	5s12	5n37	1n38	13n39	0s49	0n46	0n54	20s32	0s52	10s51	2s 6	13s 7	0n25	17s34	1n40	8n57	12s 6	12s36	12s53	19n22	17n10	4s16

Julian Day Number = 2320666.5, Delta T = 49.18 sec
Ecliptic obliquity = 23°29'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'20, Lahiri = 18°51'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

OCTOBER 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 39 57	8♎ 3'23	21♌42	20♍56	22♌22	0♎47	2♒14	7°R 6	5♏57	25♏35	3°R10	3°R 7	4♏ 0	26♊ 8	6°R 4	T 1
W 2	0 43 54	9° 2'37	4♍33	22°20	23°26	1°26	2°15	7♓ 2	6° 1	25°37	3♊10	3♏ 4	3°56	26°14	6♊ 3	W 2
T 3	0 47 50	10° 1'54	17°44	23°48	24°30	2° 5	2°16	6°59	6° 4	25°39	3° 9	3° 0	3°53	26°21	6° 2	T 3
F 4	0 51 47	11° 1'13	1♎14	25°19	25°34	2°44	2°17	6°55	6° 8	25°40	3° 9	2°57	3°50	26°28	6° 0	F 4
S 5	0 55 44	12° 0'34	15° 3	26°53	26°38	3°23	2°18	6°52	6°11	25°42	3° 8	2°55	3°47	26°34	5°59	S 5
S 6	0 59 40	12°59'57	29° 7	28°29	27°43	4° 3	2°19	6°49	6°15	25°44	3° 7	2°D54	3°44	26°41	5°57	S 6
M 7	1 3 37	13°59'22	13♏21	0♎ 8	28°47	4°42	2°21	6°46	6°18	25°45	3° 7	2°54	3°41	26°48	5°55	M 7
T 8	1 7 33	14°58'48	27°41	1°48	29°53	5°21	2°23	6°42	6°22	25°47	3° 6	2°55	3°37	26°55	5°54	T 8
W 9	1 11 30	15°58'17	12♐ 4	3°29	0♍58	6° 0	2°25	6°39	6°25	25°49	3° 5	2°57	3°34	27° 1	5°52	W 9
T 10	1 15 26	16°57'48	26°25	5°10	2° 4	6°39	2°27	6°37	6°29	25°51	3° 4	2°58	3°31	27° 8	5°50	T 10
F 11	1 19 23	17°57'20	10♑40	6°53	3°10	7°19	2°30	6°34	6°32	25°53	3° 4	2°58	3°28	27°15	5°48	F 11
S 12	1 23 19	18°56'54	24°48	8°36	4°16	7°58	2°33	6°31	6°36	25°55	3° 3	2°R58	3°25	27°21	5°46	S 12
S 13	1 27 16	19°56'30	8♒47	10°19	5°22	8°37	2°35	6°28	6°40	25°57	3° 2	2°58	3°22	27°28	5°44	S 13
M14	1 31 13	20°56'07	22°35	12° 2	6°29	9°16	2°38	6°26	6°43	25°59	3° 1	2°57	3°18	27°35	5°42	M14
T 15	1 35 9	21°55'47	6♓12	13°45	7°36	9°56	2°42	6°23	6°47	26° 0	3° 1	2°55	3°15	27°41	5°40	T 15
W16	1 39 6	22°55'27	19°36	15°27	8°43	10°35	2°45	6°21	6°51	26° 2	3° 0	2°54	3°12	27°48	5°37	W16
T 17	1 43 2	23°55'10	2♈46	17°10	9°50	11°14	2°49	6°18	6°54	26° 4	2°59	2°53	3° 9	27°55	5°35	T 17
F 18	1 46 59	24°54'55	15°42	18°52	10°58	11°54	2°52	6°16	6°58	26° 6	2°58	2°52	3° 6	28° 2	5°33	F 18
S 19	1 50 55	25°54'41	28°24	20°34	12° 5	12°33	2°56	6°14	7° 2	26° 8	2°57	2°D52	3° 2	28° 8	5°30	S 19
S 20	1 54 52	26°54'30	10♉53	22°15	13°13	13°13	3° 1	6°12	7° 5	26°10	2°56	2°52	2°59	28°15	5°28	S 20
M21	1 58 48	27°54'21	23° 9	23°56	14°21	13°52	3° 5	6°10	7° 9	26°12	2°55	2°52	2°56	28°22	5°25	M21
T 22	2 2 45	28°54'14	5♊14	25°37	15°30	14°32	3° 9	6° 8	7°13	26°14	2°54	2°52	2°53	28°28	5°23	T 22
W23	2 6 41	29°54'09	17°11	27°17	16°38	15°11	3°14	6° 6	7°16	26°16	2°54	2°53	2°50	28°35	5°20	W23
T 24	2 10 38	0♏54'06	29° 3	28°56	17°47	15°51	3°19	6° 4	7°20	26°19	2°53	2°53	2°47	28°42	5°18	T 24
F 25	2 14 35	1°54'05	10♋53	0♏35	18°56	16°30	3°24	6° 3	7°24	26°21	2°52	2°53	2°43	28°48	5°15	F 25
S 26	2 18 31	2°54'06	22°47	2°14	20° 5	17°10	3°29	6° 1	7°28	26°23	2°51	2°R53	2°40	28°55	5°12	S 26
S 27	2 22 28	3°54'10	4♌48	3°52	21°14	17°50	3°35	6° 0	7°31	26°25	2°50	2°D53	2°37	29° 2	5° 9	S 27
M28	2 26 24	4°54'16	17° 1	5°30	22°24	18°29	3°40	5°59	7°35	26°27	2°49	2°53	2°34	29° 9	5° 7	M28
T 29	2 30 21	5°54'23	29°31	7° 7	23°33	19° 9	3°46	5°58	7°39	26°29	2°48	2°53	2°31	29°15	5° 4	T 29
W30	2 34 17	6°54'33	12♍21	8°44	24°43	19°49	3°52	5°56	7°43	26°31	2°47	2°54	2°28	29°22	5° 1	W30
T 31	2 38 14	7♏54'45	25♍35	10♏20	25♍53	20♎28	3♒58	5♓55	7♏46	26♏33	2♊46	2♏54	2♏24	29♊29	4♊58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s12	9n36	4s58	5n11	1n44	13n24	0s43	0n30	0n54	20s32	0s52	10s52	2s 6	13s 8	0n25	17s34	1n40	8n56	12s 6	12s35	12s52	19n22	17n 9	4s16
W 2	3 35	5 42	4 28	4 43	1 49	13 8	0 38	0 14	0 53	20 32	0 51	10 53	2 6	13 9	0 25	17 35	1 40	8 56	12 6	12 33	12 51	19 21	17 8	4 17
T 3	3 59	1 26	3 44	4 11	1 52	12 52	0 33	0s 1	0 53	20 32	0 51	10 54	2 6	13 10	0 25	17 35	1 40	8 56	12 6	12 32	12 50	19 21	17 8	4 17
F 4	4 22	3s 2	2 46	3 38	1 55	12 36	0 27	0 17	0 53	20 31	0 51	10 56	2 5	13 12	0 25	17 36	1 40	8 56	12 7	12 31	12 49	19 21	17 7	4 18
S 5	4 45	7 26	1 37	3 2	1 57	12 19	0 22	0 33	0 52	20 31	0 51	10 57	2 5	13 13	0 25	17 36	1 40	8 55	12 7	12 30	12 48	19 20	17 7	4 18
S 6	5 9	11 30	0 21	2 24	1 58	12 2	0 17	0 49	0 52	20 31	0 51	10 58	2 5	13 14	0 25	17 37	1 40	8 55	12 7	12 30	12 47	19 20	17 6	4 18
M 7	5 32	14 58	0n57	1 45	1 58	11 44	0 12	1 5	0 52	20 30	0 51	10 59	2 5	13 15	0 25	17 37	1 40	8 55	12 7	12 30	12 46	19 20	17 5	4 19
T 8	5 55	17 32	2 13	1 4	1 57	11 26	0 7	1 21	0 51	20 30	0 51	11 0	2 5	13 16	0 25	17 38	1 40	8 55	12 7	12 30	12 45	19 19	17 5	4 19
W 9	6 18	18 59	3 20	0 23	1 55	11 7	0 2	1 37	0 51	20 29	0 51	11 1	2 5	13 17	0 25	17 38	1 40	8 54	12 7	12 31	12 44	19 19	17 4	4 19
T 10	6 41	19 12	4 14	0s20	1 53	10 48	0n 3	1 52	0 51	20 29	0 51	11 2	2 5	13 19	0 25	17 38	1 40	8 54	12 8	12 31	12 43	19 18	17 3	4 20
F 11	7 3	18 11	4 53	1 3	1 51	10 29	0 8	2 8	0 50	20 28	0 51	11 3	2 5	13 20	0 25	17 39	1 40	8 54	12 8	12 32	12 42	19 18	17 3	4 20
S 12	7 26	16 4	5 13	1 46	1 47	10 9	0 12	2 24	0 50	20 27	0 51	11 4	2 5	13 21	0 25	17 39	1 40	8 53	12 8	12 32	12 41	19 18	17 2	4 20
S 13	7 49	13 2	5 15	2 30	1 44	9 49	0 17	2 40	0 49	20 27	0 51	11 5	2 5	13 22	0 25	17 40	1 40	8 53	12 8	12 31	12 39	19 17	17 1	4 21
M14	8 11	9 18	4 58	3 14	1 40	9 29	0 21	2 56	0 49	20 26	0 51	11 6	2 5	13 23	0 25	17 40	1 39	8 53	12 8	12 31	12 38	19 17	17 1	4 21
T 15	8 34	5 9	4 25	3 58	1 35	9 8	0 26	3 12	0 49	20 25	0 51	11 7	2 4	13 25	0 25	17 41	1 39	8 53	12 8	12 30	12 37	19 16	17 0	4 21
W16	8 56	0 48	3 38	4 43	1 30	8 47	0 30	3 27	0 48	20 24	0 51	11 7	2 4	13 26	0 25	17 41	1 39	8 52	12 8	12 30	12 36	19 16	16 59	4 22
T 17	9 18	3n32	2 39	5 27	1 25	8 25	0 34	3 43	0 48	20 23	0 51	11 8	2 4	13 27	0 25	17 42	1 39	8 52	12 9	12 30	12 35	19 16	16 58	4 22
F 18	9 40	7 38	1 34	6 11	1 20	8 3	0 38	3 59	0 48	20 22	0 51	11 9	2 4	13 28	0 25	17 42	1 39	8 52	12 9	12 29	12 34	19 15	16 58	4 22
S 19	10 2	11 19	0 25	6 54	1 14	7 41	0 42	4 15	0 47	20 21	0 50	11 10	2 4	13 30	0 25	17 43	1 39	8 51	12 9	12 29	12 33	19 15	16 57	4 23
S 20	10 23	14 25	0s44	7 38	1 8	7 19	0 46	4 30	0 47	20 20	0 50	11 10	2 4	13 31	0 25	17 43	1 39	8 51	12 9	12 29	12 32	19 14	16 56	4 23
M21	10 45	16 49	1 50	8 21	1 2	6 56	0 50	4 46	0 47	20 19	0 50	11 11	2 4	13 32	0 25	17 44	1 39	8 51	12 9	12 29	12 31	19 14	16 56	4 23
T 22	11 6	18 25	2 50	9 3	0 56	6 33	0 54	5 2	0 46	20 18	0 50	11 12	2 4	13 33	0 25	17 44	1 39	8 51	12 9	12 29	12 30	19 14	16 55	4 24
W23	11 28	19 11	3 42	9 45	0 49	6 10	0 57	5 17	0 46	20 17	0 50	11 12	2 3	13 34	0 25	17 45	1 39	8 50	12 9	12 30	12 29	19 13	16 54	4 24
T 24	11 49	19 5	4 24	10 27	0 43	5 46	1 1	5 33	0 45	20 16	0 50	11 13	2 3	13 36	0 25	17 45	1 39	8 50	12 9	12 30	12 27	19 13	16 53	4 24
F 25	12 9	18 9	4 55	11 8	0 36	5 22	1 4	5 48	0 45	20 15	0 50	11 13	2 3	13 37	0 25	17 46	1 39	8 50	12 9	12 30	12 26	19 12	16 52	4 25
S 26	12 30	16 25	5 13	11 48	0 30	4 58	1 8	6 4	0 45	20 13	0 50	11 13	2 3	13 38	0 25	17 46	1 39	8 50	12 10	12 30	12 25	19 12	16 52	4 25
S 27	12 51	13 58	5 17	12 28	0 23	4 34	1 11	6 20	0 44	20 12	0 50	11 14	2 3	13 39	0 25	17 47	1 39	8 49	12 10	12 30	12 24	19 11	16 51	4 25
M28	13 11	10 52	5 8	13 7	0 17	4 9	1 14	6 35	0 44	20 11	0 50	11 14	2 3	13 41	0 25	17 47	1 39	8 49	12 10	12 30	12 23	19 11	16 50	4 25
T 29	13 31	7 13	4 44	13 46	0 10	3 44	1 17	6 50	0 43	20 9	0 50	11 15	2 3	13 42	0 25	17 48	1 39	8 49	12 10	12 30	12 22	19 11	16 49	4 26
W30	13 51	3 9	4 5	14 23	0 3	3 19	1 20	7 6	0 43	20 8	0 50	11 15	2 3	13 43	0 25	17 48	1 39	8 48	12 10	12 30	12 21	19 10	16 49	4 26
T 31	14s10	1s11	3s13	15s 0	0s 4	2n54	1n23	7s21	0n43	20s 6	0s50	11s15	2s 2	13s44	0n25	17s49	1n39	8n48	12s10	12s30	12s20	19n10	16n48	4s26

Julian Day Number = 2320696.5, Delta T = 49.12 sec
Ecliptic obliquity = 23°29'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'24, Lahiri = 18°51'24Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

NOVEMBER 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 42 10	8♏54'59	9♎13	11♏56	27♍ 3	21♎ 8	4♒ 4	5°R55	7♏50	26♏36	2°R45	2♏55	2♏21	29♊35	4°R55	F 1
S 2	2 46 7	9°55'15	23°16	13°32	28°13	21°48	4°11	5♓54	7°54	26°38	2♊44	2°55	2°18	29°42	4♊52	S 2
S 3	2 50 4	10°55'33	7♏39	15° 7	29°24	22°28	4°17	5°53	7°58	26°40	2°43	2°R55	2°15	29°49	4°48	S 3
M 4	2 54 0	11°55'52	22°19	16°42	0♎34	23° 8	4°24	5°53	8° 1	26°42	2°42	2°55	2°12	29°55	4°45	M 4
T 5	2 57 57	12°56'13	7♐ 8	18°16	1°45	23°48	4°31	5°52	8° 5	26°44	2°41	2°54	2° 8	0♋ 2	4°42	T 5
W 6	3 1 53	13°56'36	21°58	19°51	2°56	24°28	4°38	5°52	8° 9	26°47	2°40	2°53	2° 5	0° 9	4°39	W 6
T 7	3 5 50	14°57'01	6♑43	21°24	4° 6	25° 7	4°45	5°51	8°13	26°49	2°38	2°51	2° 2	0°16	4°36	T 7
F 8	3 9 46	15°57'27	21°15	22°58	5°17	25°47	4°53	5°51	8°16	26°51	2°37	2°50	1°59	0°22	4°32	F 8
S 9	3 13 43	16°57'54	5♒32	24°31	6°29	26°27	5° 0	5°D51	8°20	26°53	2°36	2°49	1°56	0°29	4°29	S 9
S 10	3 17 39	17°58'22	19°29	26° 4	7°40	27° 7	5° 8	5°51	8°24	26°55	2°35	2°D49	1°53	0°36	4°26	S 10
M11	3 21 36	18°58'52	3♓ 7	27°37	8°51	27°48	5°16	5°51	8°27	26°58	2°34	2°49	1°49	0°42	4°22	M11
T 12	3 25 33	19°59'23	16°27	29°10	10° 3	28°28	5°24	5°52	8°31	27° 0	2°33	2°50	1°46	0°49	4°19	T 12
W13	3 29 29	20°59'55	29°30	0♐42	11°14	29° 8	5°32	5°52	8°35	27° 2	2°32	2°52	1°43	0°56	4°16	W13
T 14	3 33 26	22° 0'29	12♈18	2°14	12°26	29°48	5°40	5°53	8°39	27° 4	2°31	2°53	1°40	1° 2	4°12	T 14
F 15	3 37 22	23° 1'04	24°53	3°46	13°38	0♏28	5°48	5°53	8°42	27° 7	2°30	2°54	1°37	1° 9	4° 9	F 15
S 16	3 41 19	24° 1'40	7♉16	5°17	14°49	1° 8	5°57	5°54	8°46	27° 9	2°29	2°R54	1°33	1°16	4° 5	S 16
S 17	3 45 15	25° 2'18	19°30	6°49	16° 1	1°48	6° 6	5°55	8°50	27°11	2°27	2°53	1°30	1°23	4° 2	S 17
M18	3 49 12	26° 2'57	1♊36	8°20	17°14	2°29	6°15	5°56	8°53	27°13	2°26	2°51	1°27	1°29	3°58	M18
T 19	3 53 8	27° 3'37	13°35	9°51	18°26	3° 9	6°24	5°57	8°57	27°16	2°25	2°48	1°24	1°36	3°55	T 19
W20	3 57 5	28° 4'19	25°29	11°21	19°38	3°49	6°33	5°58	9° 0	27°18	2°24	2°43	1°21	1°43	3°51	W20
T 21	4 1 2	29° 5'03	7♋21	12°51	20°50	4°30	6°42	5°59	9° 4	27°20	2°23	2°39	1°18	1°49	3°48	T 21
F 22	4 4 58	0♐ 5'48	19°11	14°22	22° 3	5°10	6°51	6° 0	9° 8	27°22	2°22	2°34	1°14	1°56	3°44	F 22
S 23	4 8 55	1° 6'34	1♌ 5	15°51	23°15	5°50	7° 1	6° 2	9°11	27°25	2°21	2°30	1°11	2° 3	3°41	S 23
S 24	4 12 51	2° 7'22	13° 4	17°21	24°28	6°31	7°10	6° 3	9°15	27°27	2°19	2°27	1° 8	2° 9	3°37	S 24
M25	4 16 48	3° 8'11	25°14	18°49	25°41	7°11	7°20	6° 5	9°18	27°29	2°18	2°25	1° 5	2°16	3°34	M25
T 26	4 20 44	4° 9'02	7♍38	20°18	26°54	7°52	7°30	6° 7	9°22	27°31	2°17	2°D25	1° 2	2°23	3°30	T 26
W27	4 24 41	5° 9'54	20°22	21°46	28° 6	8°32	7°40	6° 8	9°25	27°34	2°16	2°26	0°59	2°30	3°27	W27
T 28	4 28 37	6°10'48	3♎29	23°13	29°19	9°13	7°50	6°10	9°29	27°36	2°15	2°27	0°55	2°36	3°23	T 28
F 29	4 32 34	7°11'43	17° 2	24°40	0♏32	9°53	8° 0	6°12	9°32	27°38	2°14	2°29	0°52	2°43	3°20	F 29
S 30	4 36 31	8♐12'39	1♏ 4	26♐ 5	1♏45	10♏34	8♒10	6♓14	9♏35	27♏40	2♊13	2°R30	0♏49	2♋50	3♊16	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s30	5s37	2s 8	15s36	0s10	2n29	1n26	7s37	0n42	20s 5	0s50	11s15	2s 2	13s45	0n25	17s49	1n39	8n48	12s10	12s30	12s19	19n 9	16n47	4s27
S 2	14 49	9 53	0 53	16 12	0 17	2 3	1 28	7 52	0 42	20 3	0 50	11 15	2 2	13 47	0 25	17 50	1 39	8 48	12 10	12 30	12 18	19 9	16 46	4 27
S 3	15 8	13 41	0n26	16 47	0 24	1 38	1 31	8 7	0 41	20 1	0 50	11 16	2 2	13 48	0 25	17 51	1 39	8 47	12 10	12 30	12 17	19 8	16 45	4 27
M 4	15 27	16 41	1 46	17 20	0 30	1 12	1 33	8 22	0 41	20 0	0 49	11 16	2 2	13 49	0 25	17 51	1 39	8 47	12 10	12 30	12 15	19 8	16 45	4 27
T 5	15 45	18 36	2 59	17 53	0 37	0 46	1 35	8 37	0 40	19 58	0 49	11 16	2 2	13 50	0 25	17 52	1 39	8 47	12 10	12 30	12 14	19 7	16 44	4 28
W 6	16 3	19 15	4 0	18 25	0 43	0 20	1 38	8 53	0 40	19 56	0 49	11 16	2 2	13 52	0 25	17 52	1 39	8 47	12 10	12 30	12 13	19 7	16 43	4 28
T 7	16 21	18 35	4 44	18 56	0 49	0s 7	1 40	9 8	0 40	19 55	0 49	11 16	2 1	13 53	0 25	17 53	1 39	8 46	12 10	12 29	12 12	19 6	16 42	4 28
F 8	16 39	16 42	5 10	19 27	0 56	0 33	1 42	9 23	0 39	19 53	0 49	11 16	2 1	13 54	0 25	17 53	1 39	8 46	12 10	12 29	12 11	19 6	16 41	4 28
S 9	16 56	13 49	5 16	19 56	1 2	0 59	1 44	9 37	0 39	19 51	0 49	11 15	2 1	13 55	0 25	17 54	1 39	8 46	12 10	12 28	12 10	19 5	16 41	4 28
S 10	17 13	10 12	5 3	20 24	1 8	1 26	1 45	9 52	0 38	19 49	0 49	11 15	2 1	13 56	0 25	17 54	1 39	8 46	12 11	12 28	12 9	19 5	16 40	4 29
M11	17 30	6 7	4 33	20 52	1 14	1 52	1 47	10 7	0 38	19 47	0 49	11 15	2 1	13 58	0 25	17 55	1 39	8 46	12 11	12 28	12 8	19 4	16 39	4 29
T 12	17 46	1 50	3 49	21 18	1 19	2 19	1 49	10 22	0 37	19 45	0 49	11 15	2 1	13 59	0 25	17 55	1 39	8 45	12 11	12 29	12 7	19 4	16 38	4 29
W13	18 2	2n28	2 54	21 43	1 25	2 46	1 50	10 37	0 37	19 43	0 49	11 14	2 0	14 0	0 25	17 56	1 39	8 45	12 11	12 29	12 6	19 3	16 37	4 29
T 14	18 18	6 35	1 51	22 7	1 30	3 12	1 52	10 51	0 37	19 41	0 49	11 14	2 0	14 1	0 25	17 56	1 39	8 45	12 11	12 30	12 4	19 3	16 37	4 29
F 15	18 34	10 20	0 44	22 30	1 36	3 39	1 53	11 6	0 36	19 39	0 49	11 14	2 0	14 2	0 25	17 57	1 39	8 45	12 11	12 30	12 3	19 2	16 36	4 30
S 16	18 49	13 35	0s24	22 52	1 41	4 6	1 54	11 20	0 36	19 36	0 49	11 13	2 0	14 3	0 25	17 57	1 39	8 44	12 11	12 30	12 2	19 2	16 35	4 30
S 17	19 4	16 12	1 30	23 13	1 45	4 33	1 55	11 34	0 35	19 34	0 49	11 13	2 0	14 5	0 25	17 58	1 39	8 44	12 11	12 30	12 1	19 1	16 34	4 30
M18	19 18	18 3	2 31	23 33	1 50	4 59	1 56	11 49	0 35	19 32	0 49	11 12	2 0	14 6	0 25	17 58	1 39	8 44	12 11	12 29	12 0	19 1	16 33	4 30
T 19	19 32	19 5	3 25	23 51	1 54	5 26	1 57	12 3	0 34	19 30	0 49	11 12	2 0	14 7	0 25	17 59	1 39	8 44	12 11	12 28	11 59	19 0	16 33	4 30
W20	19 46	19 15	4 10	24 8	1 59	5 53	1 58	12 17	0 34	19 27	0 49	11 11	1 59	14 8	0 25	17 59	1 39	8 44	12 11	12 26	11 58	19 0	16 32	4 30
T 21	19 59	18 34	4 43	24 24	2 2	6 19	1 58	12 31	0 33	19 25	0 49	11 11	1 59	14 9	0 25	18 0	1 39	8 43	12 11	12 25	11 57	18 59	16 31	4 31
F 22	20 13	17 5	5 5	24 39	2 6	6 46	1 59	12 45	0 33	19 23	0 49	11 10	1 59	14 10	0 25	18 0	1 39	8 43	12 11	12 23	11 56	18 59	16 30	4 31
S 23	20 25	14 52	5 13	24 52	2 9	7 12	2 0	12 59	0 32	19 20	0 48	11 10	1 59	14 12	0 25	18 1	1 39	8 43	12 11	12 22	11 55	18 58	16 30	4 31
S 24	20 37	12 0	5 8	25 4	2 12	7 38	2 0	13 13	0 32	19 18	0 48	11 9	1 59	14 13	0 25	18 1	1 39	8 43	12 11	12 21	11 53	18 58	16 29	4 31
M25	20 49	8 36	4 49	25 15	2 15	8 5	2 0	13 27	0 31	19 15	0 48	11 8	1 59	14 14	0 25	18 2	1 39	8 43	12 10	12 20	11 52	18 57	16 28	4 31
T 26	21 1	4 46	4 16	25 24	2 17	8 31	2 0	13 40	0 31	19 13	0 48	11 7	1 58	14 15	0 25	18 2	1 39	8 43	12 10	12 20	11 51	18 57	16 27	4 31
W27	21 12	0 36	3 30	25 32	2 19	8 57	2 1	13 54	0 30	19 10	0 48	11 6	1 58	14 16	0 25	18 3	1 39	8 42	12 10	12 20	11 50	18 56	16 26	4 31
T 28	21 23	3s42	2 32	25 39	2 20	9 22	2 1	14 7	0 30	19 7	0 48	11 6	1 58	14 17	0 25	18 3	1 39	8 42	12 10	12 21	11 49	18 56	16 26	4 31
F 29	21 33	7 59	1 23	25 44	2 21	9 48	2 0	14 21	0 29	19 5	0 48	11 5	1 58	14 18	0 25	18 4	1 39	8 42	12 10	12 21	11 48	18 55	16 25	4 31
S 30	21s43	11s59	0s 8	25s47	2s22	10s14	2n 0	14s34	0n29	19s 2	0s48	11s 4	1s58	14s19	0n25	18s 4	1n39	8n42	12s10	12s22	11s47	18n54	16n24	4s32

Julian Day Number = 2320727.5, Delta T = 49.06 sec
Ecliptic obliquity = 23°29'01, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'28, Lahiri = 18°51'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1641
geocentric

DECEMBER 1641 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 40 27	9♐13'37	15♏33	27♐30	2♏59	11♏15	8♒21	6♓17	9♏39	27♏43	2°R11	2°R29	0♏46	2♋56	3°R12	S 1
M 2	4 44 24	10°14'36	0♐24	28°53	4°12	11°55	8°31	6°19	9°42	27°45	2♊10	2♏26	0°43	3° 3	3♊ 9	M 2
T 3	4 48 20	11°15'36	15°32	0♑15	5°25	12°36	8°42	6°22	9°46	27°47	2° 9	2°22	0°39	3°10	3° 5	T 3
W 4	4 52 17	12°16'37	0♑45	1°36	6°39	13°17	8°53	6°24	9°49	27°49	2° 8	2°16	0°36	3°17	3° 2	W 4
T 5	4 56 13	13°17'38	15°54	2°54	7°52	13°57	9° 4	6°27	9°52	27°52	2° 7	2°10	0°33	3°23	2°58	T 5
F 6	5 0 10	14°18'40	0♒49	4°11	9° 5	14°38	9°15	6°29	9°56	27°54	2° 6	2° 4	0°30	3°30	2°55	F 6
S 7	5 4 6	15°19'43	15°23	5°25	10°19	15°19	9°26	6°32	9°59	27°56	2° 5	1°59	0°27	3°37	2°51	S 7
S 8	5 8 3	16°20'46	29°31	6°36	11°32	16° 0	9°37	6°35	10° 2	27°58	2° 4	1°55	0°24	3°43	2°48	S 8
M 9	5 12 0	17°21'50	13♓12	7°43	12°46	16°41	9°48	6°38	10° 5	28° 0	2° 3	1°D54	0°20	3°50	2°45	M 9
T 10	5 15 56	18°22'54	26°28	8°47	14° 0	17°22	10° 0	6°41	10° 8	28° 2	2° 1	1°54	0°17	3°57	2°41	T 10
W11	5 19 53	19°23'59	9♈21	9°46	15°13	18° 2	10°11	6°45	10°11	28° 5	2° 0	1°55	0°14	4° 4	2°38	W11
T 12	5 23 49	20°25'03	21°56	10°40	16°27	18°43	10°23	6°48	10°15	28° 7	1°59	1°57	0°11	4°10	2°35	T 12
F 13	5 27 46	21°26'09	4♉17	11°27	17°41	19°24	10°35	6°51	10°18	28° 9	1°58	1°R57	0° 8	4°17	2°31	F 13
S 14	5 31 42	22°27'14	16°26	12° 8	18°55	20° 5	10°46	6°55	10°21	28°11	1°57	1°56	0° 5	4°24	2°28	S 14
S 15	5 35 39	23°28'20	28°28	12°42	20° 9	20°46	10°58	6°58	10°24	28°13	1°56	1°52	0° 1	4°30	2°25	S 15
M16	5 39 35	24°29'27	10♊25	13° 6	21°22	21°27	11°10	7° 2	10°27	28°15	1°55	1°46	29♎58	4°37	2°21	M16
T 17	5 43 32	25°30'34	22°18	13°22	22°36	22° 9	11°22	7° 6	10°30	28°17	1°54	1°37	29°55	4°44	2°18	T 17
W18	5 47 29	26°31'41	4♋10	13°R27	23°50	22°50	11°34	7°10	10°32	28°19	1°53	1°27	29°52	4°50	2°15	W18
T 19	5 51 25	27°32'49	16° 2	13°20	25° 4	23°31	11°47	7°14	10°35	28°21	1°52	1°15	29°49	4°57	2°12	T 19
F 20	5 55 22	28°33'57	27°56	13° 3	26°19	24°12	11°59	7°18	10°38	28°23	1°51	1° 4	29°45	5° 4	2° 9	F 20
S 21	5 59 18	29°35'06	9♌52	12°33	27°33	24°53	12°11	7°22	10°41	28°25	1°50	0°53	29°42	5°11	2° 6	S 21
S 22	6 3 15	0♑36'15	21°54	11°52	28°47	25°34	12°24	7°26	10°44	28°27	1°49	0°44	29°39	5°17	2° 3	S 22
M23	6 7 11	1°37'24	4♍ 4	11° 0	0♐ 1	26°16	12°36	7°30	10°46	28°29	1°48	0°38	29°36	5°24	2° 0	M23
T 24	6 11 8	2°38'34	16°27	9°57	1°15	26°57	12°49	7°35	10°49	28°31	1°47	0°34	29°33	5°31	1°57	T 24
W25	6 15 4	3°39'44	29° 5	8°47	2°29	27°38	13° 1	7°39	10°52	28°33	1°46	0°D33	29°30	5°37	1°54	W25
T 26	6 19 1	4°40'55	12♎ 3	7°30	3°44	28°20	13°14	7°44	10°54	28°35	1°45	0°33	29°26	5°44	1°51	T 26
F 27	6 22 58	5°42'06	25°26	6°10	4°58	29° 1	13°27	7°48	10°57	28°37	1°44	0°R33	29°23	5°51	1°48	F 27
S 28	6 26 54	6°43'17	9♏16	4°48	6°12	29°43	13°40	7°53	10°59	28°39	1°43	0°33	29°20	5°58	1°46	S 28
S 29	6 30 51	7°44'29	23°35	3°28	7°27	0♐24	13°53	7°58	11° 2	28°41	1°42	0°31	29°17	6° 4	1°43	S 29
M30	6 34 47	8°45'41	8♐20	2°12	8°41	1° 6	14° 6	8° 3	11° 4	28°43	1°42	0°26	29°14	6°11	1°40	M30
T 31	6 38 44	9♑46'53	23♐27	1♑ 3	9♐55	1♐47	14♒19	8♓ 8	11♏ 7	28♏44	1♊41	0♏19	29♎11	6♋18	1♊38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s52	15s24	1n11	25s49	2s22	10s39	2n 0	14s47	0n28	18s59	0s48	11s 3	1s58	14s20	0n25	18s 5	1n39	8n42	12s10	12s21	11s46	18n54	16n24	4s32
M 2	22 2	17 54	2 26	25 50	2 21	11 4	2 0	15 0	0 28	18 56	0 48	11 2	1 58	14 21	0 25	18 5	1 39	8 42	12 10	12 21	11 45	18 53	16 23	4 32
T 3	22 10	19 10	3 33	25 49	2 20	11 29	1 59	15 13	0 27	18 54	0 48	11 1	1 57	14 22	0 25	18 6	1 39	8 42	12 10	12 19	11 43	18 53	16 22	4 32
W 4	22 18	19 5	4 24	25 47	2 18	11 53	1 59	15 26	0 27	18 51	0 48	11 0	1 57	14 23	0 25	18 6	1 39	8 41	12 10	12 17	11 42	18 52	16 21	4 32
T 5	22 26	17 37	4 57	25 43	2 16	12 18	1 58	15 39	0 26	18 48	0 48	10 58	1 57	14 25	0 25	18 7	1 39	8 41	12 10	12 15	11 41	18 52	16 21	4 32
F 6	22 34	14 58	5 9	25 37	2 13	12 42	1 57	15 51	0 26	18 45	0 48	10 57	1 57	14 26	0 25	18 7	1 39	8 41	12 10	12 13	11 40	18 51	16 20	4 32
S 7	22 40	11 27	5 1	25 31	2 8	13 6	1 57	16 4	0 25	18 42	0 48	10 56	1 57	14 27	0 25	18 8	1 39	8 41	12 10	12 11	11 39	18 51	16 19	4 32
S 8	22 47	7 22	4 35	25 23	2 4	13 29	1 56	16 16	0 24	18 39	0 48	10 55	1 57	14 28	0 25	18 8	1 39	8 41	12 10	12 10	11 38	18 50	16 19	4 32
M 9	22 53	3 2	3 53	25 13	1 58	13 53	1 55	16 28	0 24	18 36	0 48	10 54	1 56	14 29	0 25	18 9	1 39	8 41	12 9	12 9	11 37	18 49	16 18	4 32
T 10	22 58	1n21	3 0	25 2	1 51	14 16	1 54	16 40	0 23	18 33	0 48	10 52	1 56	14 30	0 25	18 9	1 39	8 41	12 9	12 9	11 36	18 49	16 17	4 32
W11	23 4	5 32	1 59	24 50	1 43	14 38	1 53	16 52	0 23	18 29	0 48	10 51	1 56	14 31	0 25	18 10	1 39	8 41	12 9	12 10	11 35	18 48	16 17	4 32
T 12	23 8	9 24	0 54	24 37	1 34	15 0	1 51	17 4	0 22	18 26	0 48	10 50	1 56	14 32	0 25	18 10	1 39	8 41	12 9	12 10	11 33	18 48	16 16	4 32
F 13	23 12	12 46	0s13	24 23	1 24	15 22	1 50	17 16	0 22	18 23	0 48	10 48	1 56	14 32	0 25	18 11	1 39	8 40	12 9	12 10	11 32	18 47	16 15	4 32
S 14	23 16	15 33	1 17	24 8	1 13	15 44	1 49	17 28	0 21	18 20	0 48	10 47	1 56	14 33	0 25	18 11	1 39	8 40	12 9	12 10	11 31	18 46	16 15	4 32
S 15	23 19	17 37	2 18	23 53	1 1	16 5	1 47	17 39	0 20	18 17	0 48	10 45	1 56	14 34	0 25	18 11	1 39	8 40	12 9	12 9	11 30	18 46	16 14	4 32
M16	23 22	18 54	3 11	23 37	0 47	16 26	1 46	17 50	0 20	18 13	0 48	10 44	1 55	14 35	0 25	18 12	1 39	8 40	12 9	12 7	11 29	18 45	16 14	4 32
T 17	23 24	19 20	3 56	23 20	0 32	16 46	1 44	18 2	0 19	18 10	0 48	10 42	1 55	14 36	0 25	18 12	1 39	8 40	12 8	12 4	11 28	18 45	16 13	4 32
W18	23 26	18 54	4 31	23 4	0 16	17 6	1 43	18 13	0 19	18 7	0 48	10 41	1 55	14 37	0 25	18 13	1 39	8 40	12 8	12 0	11 27	18 44	16 12	4 32
T 19	23 28	17 39	4 54	22 47	0n 2	17 26	1 41	18 24	0 18	18 3	0 48	10 39	1 55	14 38	0 25	18 13	1 39	8 40	12 8	11 56	11 26	18 43	16 12	4 32
F 20	23 29	15 39	5 4	22 30	0 20	17 45	1 39	18 34	0 18	18 0	0 48	10 38	1 55	14 39	0 25	18 14	1 39	8 40	12 8	11 52	11 24	18 43	16 11	4 32
S 21	23 29	12 59	5 0	22 14	0 39	18 4	1 38	18 45	0 17	17 56	0 48	10 36	1 55	14 40	0 25	18 14	1 39	8 40	12 8	11 48	11 23	18 42	16 11	4 32
S 22	23 29	9 45	4 44	21 58	0 59	18 22	1 36	18 56	0 16	17 53	0 48	10 34	1 55	14 41	0 25	18 14	1 39	8 40	12 8	11 45	11 22	18 42	16 10	4 32
M23	23 28	6 5	4 14	21 43	1 19	18 40	1 34	19 6	0 16	17 49	0 48	10 32	1 55	14 41	0 25	18 15	1 39	8 40	12 8	11 43	11 21	18 41	16 10	4 32
T 24	23 27	2 6	3 33	21 29	1 38	18 57	1 32	19 16	0 15	17 46	0 48	10 31	1 54	14 42	0 25	18 15	1 39	8 40	12 7	11 42	11 20	18 40	16 9	4 32
W25	23 26	2s 4	2 40	21 15	1 57	19 14	1 30	19 26	0 14	17 42	0 48	10 29	1 54	14 43	0 25	18 16	1 39	8 40	12 7	11 41	11 19	18 40	16 9	4 31
T 26	23 24	6 16	1 37	21 2	2 15	19 30	1 28	19 36	0 14	17 38	0 48	10 27	1 54	14 44	0 25	18 16	1 39	8 40	12 7	11 41	11 18	18 39	16 8	4 31
F 27	23 22	10 17	0 27	20 50	2 30	19 46	1 26	19 46	0 13	17 35	0 48	10 25	1 54	14 45	0 25	18 16	1 39	8 40	12 7	11 41	11 17	18 38	16 8	4 31
S 28	23 19	13 53	0n46	20 40	2 44	20 1	1 24	19 55	0 13	17 31	0 48	10 23	1 54	14 45	0 25	18 17	1 39	8 40	12 7	11 41	11 15	18 38	16 7	4 31
S 29	23 15	16 47	1 59	20 31	2 56	20 15	1 21	20 5	0 12	17 27	0 48	10 21	1 54	14 46	0 25	18 17	1 39	8 40	12 6	11 40	11 14	18 37	16 7	4 31
M30	23 12	18 40	3 6	20 23	3 5	20 29	1 19	20 14	0 11	17 23	0 48	10 20	1 54	14 47	0 25	18 18	1 39	8 40	12 6	11 39	11 13	18 36	16 6	4 31
T 31	23s 7	19s17	4n 2	20s17	3n11	20s43	1n17	20s23	0n11	17s20	0s48	10s18	1s54	14s48	0n25	18s18	1n39	8n40	12s 6	11s36	11s12	18n36	16n 6	4s31

Julian Day Number = 2320757.5, Delta T = 49.00 sec
Ecliptic obliquity = 23°29'01, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'32, Lahiri = 18°51'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

JANUARY 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 42 40	10♉48'05	8♉46	0°R 1	11♐10	2♐29	14♒32	8♓13	11♏ 9	28♏46	1°R40	0°R 9	29♎ 7	6♋24	1°R35	W 1
T 2	6 46 37	11°49'17	24° 7	29♐ 8	12°24	3°10	14°45	8°18	11°11	28°48	1♊39	29♎58	29° 4	6°31	1♊33	T 2
F 3	6 50 34	12°50'29	9♒17	28°25	13°39	3°52	14°58	8°23	11°14	28°50	1°38	29°47	29° 1	6°38	1°30	F 3
S 4	6 54 30	13°51'40	24° 6	27°52	14°53	4°33	15°12	8°28	11°16	28°51	1°37	29°38	28°58	6°45	1°28	S 4
S 5	6 58 27	14°52'51	8♓29	27°29	16° 8	5°15	15°25	8°33	11°18	28°53	1°37	29°31	28°55	6°51	1°26	S 5
M 6	7 2 23	15°54'01	22°21	27°16	17°22	5°57	15°39	8°39	11°20	28°55	1°36	29°26	28°51	6°58	1°23	M 6
T 7	7 6 20	16°55'11	5♈43	27°D11	18°37	6°38	15°52	8°44	11°22	28°57	1°35	29°24	28°48	7° 5	1°21	T 7
W 8	7 10 16	17°56'19	18°38	27°16	19°51	7°20	16° 6	8°49	11°24	28°58	1°34	29°D24	28°45	7°11	1°19	W 8
T 9	7 14 13	18°57'28	1♉12	27°28	21° 6	8° 2	16°19	8°55	11°26	29° 0	1°33	29°R24	28°42	7°18	1°17	T 9
F 10	7 18 9	19°58'35	13°27	27°48	22°20	8°44	16°33	9° 1	11°28	29° 1	1°33	29°23	28°39	7°25	1°15	F 10
S 11	7 22 6	20°59'42	25°31	28°14	23°35	9°26	16°46	9° 6	11°30	29° 3	1°32	29°21	28°36	7°32	1°13	S 11
S 12	7 26 3	22° 0'48	7♊26	28°46	24°50	10° 7	17° 0	9°12	11°32	29° 5	1°31	29°16	28°32	7°38	1°11	S 12
M13	7 29 59	23° 1'53	19°17	29°24	26° 4	10°49	17°14	9°18	11°34	29° 6	1°31	29° 7	28°29	7°45	1° 9	M13
T 14	7 33 56	24° 2'58	1♋ 8	0♉ 7	27°19	11°31	17°28	9°24	11°35	29° 8	1°30	28°56	28°26	7°52	1° 8	T 14
W15	7 37 52	25° 4'01	13° 0	0°54	28°33	12°13	17°42	9°30	11°37	29° 9	1°29	28°42	28°23	7°58	1° 6	W15
T 16	7 41 49	26° 5'05	24°55	1°45	29°48	12°55	17°55	9°36	11°39	29°10	1°29	28°28	28°20	8° 5	1° 4	T 16
F 17	7 45 45	27° 6'07	6♌54	2°40	1♉ 3	13°37	18° 9	9°42	11°40	29°12	1°28	28°12	28°17	8°12	1° 3	F 17
S 18	7 49 42	28° 7'08	18°58	3°38	2°17	14°19	18°23	9°48	11°42	29°13	1°28	27°58	28°13	8°19	1° 1	S 18
S 19	7 53 38	29° 8'09	1♍ 8	4°39	3°32	15° 1	18°37	9°54	11°43	29°15	1°27	27°46	28°10	8°25	1° 0	S 19
M20	7 57 35	0♒ 9'09	13°27	5°43	4°47	15°43	18°51	10° 0	11°45	29°16	1°27	27°37	28° 7	8°32	0°59	M20
T 21	8 1 32	1°10'09	25°55	6°49	6° 1	16°25	19° 5	10° 6	11°46	29°17	1°26	27°32	28° 4	8°39	0°57	T 21
W22	8 5 28	2°11'08	8♎37	7°58	7°16	17° 8	19°20	10°13	11°47	29°19	1°26	27°28	28° 1	8°45	0°56	W22
T 23	8 9 25	3°12'06	21°34	9° 8	8°31	17°50	19°34	10°19	11°49	29°20	1°25	27°27	27°57	8°52	0°55	T 23
F 24	8 13 21	4°13'03	4♏51	10°21	9°45	18°32	19°48	10°25	11°50	29°21	1°25	27°27	27°54	8°59	0°54	F 24
S 25	8 17 18	5°14'00	18°30	11°35	11° 0	19°14	20° 2	10°32	11°51	29°22	1°24	27°27	27°51	9° 6	0°53	S 25
S 26	8 21 14	6°14'56	2♐33	12°50	12°15	19°56	20°16	10°38	11°52	29°23	1°24	27°25	27°48	9°12	0°52	S 26
M27	8 25 11	7°15'52	17° 1	14° 8	13°29	20°39	20°31	10°45	11°53	29°24	1°23	27°20	27°45	9°19	0°51	M27
T 28	8 29 7	8°16'47	1♑51	15°26	14°44	21°21	20°45	10°51	11°54	29°26	1°23	27°13	27°42	9°26	0°51	T 28
W29	8 33 4	9°17'40	16°56	16°46	15°59	22° 3	20°59	10°58	11°55	29°27	1°23	27° 3	27°38	9°32	0°50	W29
T 30	8 37 1	10°18'33	2♒ 7	18° 7	17°14	22°46	21°13	11° 5	11°56	29°28	1°22	26°52	27°35	9°39	0°49	T 30
F 31	8 40 57	11♒19'25	17♒14	19♑29	18♑28	23♐28	21♒28	11♓11	11♏57	29♏29	1♊22	26♎40	27♎32	9♋46	0♊49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 3	18s31	4n41	20s14	3n15	20s56	1n14	20s32	0n10	17s16	0s48	10s16	1s53	14s48	0n25	18s18	1n39	8n40	12s 6	11s33	11s11	18n35	16n 6	4s31
T 2	22 57	16 24	5 0	20 12	3 17	21 8	1 12	20 41	0 9	17 12	0 48	10 14	1 53	14 49	0 25	18 19	1 39	8 40	12 6	11 29	11 10	18 34	16 5	4 31
F 3	22 52	13 11	4 58	20 12	3 17	21 20	1 10	20 49	0 9	17 8	0 48	10 12	1 53	14 50	0 25	18 19	1 40	8 40	12 5	11 25	11 9	18 34	16 5	4 31
S 4	22 46	9 11	4 35	20 13	3 15	21 31	1 7	20 58	0 8	17 4	0 48	10 10	1 53	14 50	0 25	18 19	1 40	8 40	12 5	11 22	11 8	18 33	16 5	4 30
S 5	22 39	4 46	3 55	20 17	3 11	21 41	1 5	21 6	0 7	17 0	0 48	10 7	1 53	14 51	0 25	18 20	1 40	8 40	12 5	11 19	11 6	18 32	16 4	4 30
M 6	22 32	0 15	3 3	20 22	3 6	21 51	1 2	21 14	0 7	16 56	0 48	10 5	1 53	14 52	0 25	18 20	1 40	8 40	12 5	11 18	11 5	18 32	16 4	4 30
T 7	22 25	4n 8	2 2	20 28	2 59	22 0	1 0	21 22	0 6	16 52	0 48	10 3	1 53	14 52	0 25	18 20	1 40	8 40	12 5	11 17	11 4	18 31	16 4	4 30
W 8	22 17	8 11	0 57	20 35	2 52	22 9	0 57	21 29	0 5	16 48	0 48	10 1	1 53	14 53	0 25	18 21	1 40	8 41	12 4	11 17	11 3	18 30	16 3	4 30
T 9	22 8	11 46	0s10	20 43	2 44	22 17	0 54	21 37	0 5	16 44	0 48	9 59	1 53	14 54	0 25	18 21	1 40	8 41	12 4	11 17	11 2	18 30	16 3	4 30
F 10	22 0	14 44	1 14	20 52	2 36	22 24	0 52	21 44	0 4	16 40	0 48	9 57	1 53	14 54	0 25	18 21	1 40	8 41	12 4	11 17	11 1	18 29	16 3	4 30
S 11	21 50	17 1	2 13	21 2	2 27	22 31	0 49	21 51	0 3	16 36	0 48	9 54	1 52	14 55	0 25	18 22	1 40	8 41	12 4	11 16	11 0	18 28	16 3	4 29
S 12	21 41	18 31	3 6	21 11	2 17	22 37	0 46	21 58	0 3	16 32	0 48	9 52	1 52	14 55	0 25	18 22	1 40	8 41	12 3	11 14	10 59	18 28	16 2	4 29
M13	21 31	19 13	3 51	21 21	2 8	22 42	0 44	22 5	0 2	16 27	0 48	9 50	1 52	14 56	0 25	18 22	1 40	8 41	12 3	11 11	10 57	18 27	16 2	4 29
T 14	21 20	19 3	4 25	21 31	1 58	22 46	0 41	22 11	0 1	16 23	0 48	9 48	1 52	14 56	0 25	18 22	1 40	8 41	12 3	11 7	10 56	18 26	16 2	4 29
W15	21 10	18 4	4 48	21 41	1 48	22 50	0 38	22 18	0 0	16 19	0 48	9 45	1 52	14 57	0 25	18 23	1 40	8 41	12 3	11 2	10 55	18 26	16 2	4 29
T 16	20 58	16 17	4 59	21 50	1 38	22 53	0 36	22 24	0s 0	16 15	0 48	9 43	1 52	14 57	0 25	18 23	1 40	8 41	12 3	10 57	10 54	18 25	16 2	4 29
F 17	20 47	13 49	4 56	21 59	1 28	22 56	0 33	22 30	0 1	16 11	0 48	9 41	1 52	14 58	0 25	18 23	1 40	8 41	12 2	10 51	10 53	18 24	16 2	4 28
S 18	20 35	10 44	4 40	22 8	1 18	22 58	0 30	22 35	0 2	16 6	0 48	9 38	1 52	14 58	0 25	18 23	1 40	8 42	12 2	10 46	10 52	18 24	16 2	4 28
S 19	20 22	7 11	4 11	22 16	1 8	22 59	0 27	22 41	0 3	16 2	0 48	9 36	1 52	14 59	0 25	18 24	1 40	8 42	12 2	10 42	10 51	18 23	16 1	4 28
M20	20 9	3 17	3 30	22 23	0 59	22 59	0 25	22 46	0 3	15 58	0 48	9 33	1 52	14 59	0 25	18 24	1 40	8 42	12 2	10 39	10 49	18 22	16 1	4 28
T 21	19 56	0s48	2 38	22 29	0 49	22 59	0 22	22 51	0 4	15 53	0 48	9 31	1 52	15 0	0 25	18 24	1 40	8 42	12 1	10 37	10 48	18 21	16 1	4 28
W22	19 43	4 55	1 38	22 35	0 40	22 58	0 19	22 56	0 5	15 49	0 48	9 29	1 52	15 0	0 25	18 24	1 40	8 42	12 1	10 36	10 47	18 21	16 1	4 27
T 23	19 29	8 54	0 31	22 40	0 30	22 56	0 16	23 1	0 6	15 44	0 48	9 26	1 52	15 0	0 25	18 25	1 40	8 42	12 1	10 35	10 46	18 20	16 1	4 27
F 24	19 14	12 33	0n39	22 44	0 21	22 54	0 14	23 6	0 6	15 40	0 48	9 24	1 52	15 1	0 25	18 25	1 40	8 43	12 0	10 35	10 45	18 19	16 1	4 27
S 25	19 0	15 37	1 49	22 46	0 12	22 51	0 11	23 10	0 7	15 35	0 48	9 21	1 51	15 1	0 25	18 25	1 40	8 43	12 0	10 35	10 44	18 19	16 1	4 27
S 26	18 45	17 52	2 54	22 48	0 4	22 47	0 8	23 14	0 8	15 31	0 48	9 19	1 51	15 1	0 25	18 25	1 40	8 43	12 0	10 34	10 43	18 18	16 1	4 27
M27	18 29	19 2	3 50	22 49	0s 5	22 43	0 5	23 18	0 9	15 27	0 48	9 16	1 51	15 2	0 25	18 25	1 41	8 43	12 0	10 33	10 41	18 17	16 1	4 26
T 28	18 14	18 56	4 32	22 48	0 13	22 37	0 3	23 21	0 9	15 22	0 48	9 13	1 51	15 2	0 25	18 26	1 41	8 43	11 59	10 30	10 40	18 16	16 1	4 26
W29	17 58	17 31	4 56	22 47	0 21	22 32	0s 0	23 25	0 10	15 17	0 48	9 11	1 51	15 2	0 25	18 26	1 41	8 44	11 59	10 26	10 39	18 16	16 1	4 26
T 30	17 41	14 51	5 0	22 44	0 29	22 25	0 3	23 28	0 11	15 13	0 48	9 8	1 51	15 3	0 25	18 26	1 41	8 44	11 59	10 22	10 38	18 15	16 1	4 26
F 31	17s25	11s13	4n42	22s40	0s37	22s18	0s 5	23s31	0s12	15s 8	0s48	9s 6	1s51	15s 3	0n25	18s26	1n41	8n44	11s59	10s18	10s37	18n14	16n 2	4s26

Julian Day Number = 2320788.5, Delta T = 48.94 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'37, Lahiri = 18°51'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

FEBRUARY 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 44 54	12♒20'15	2♓ 5	20♑53	19♑43	24♐11	21♒42	11♓18	11♏58	29♏30	1°R22	26°R30	27♎29	9♋53	0°R48	S 1
S 2	8 48 50	13°21'04	16°33	22°17	20°58	24°53	21°56	11°25	11°58	29°31	1♊21	26♎22	27°26	9°59	0♊48	S 2
M 3	8 52 47	14°21'51	0♈33	23°43	22°13	25°35	22°11	11°32	11°59	29°31	1°21	26°17	27°23	10° 6	0°48	M 3
T 4	8 56 43	15°22'37	14° 4	25° 9	23°27	26°18	22°25	11°39	12° 0	29°32	1°21	26°15	27°19	10°13	0°48	T 4
W 5	9 0 40	16°23'21	27° 6	26°37	24°42	27° 1	22°40	11°46	12° 0	29°33	1°21	26°D14	27°16	10°19	0°47	W 5
T 6	9 4 36	17°24'03	9♉45	28° 5	25°57	27°43	22°54	11°52	12° 1	29°34	1°21	26°14	27°13	10°26	0°D47	T 6
F 7	9 8 33	18°24'44	22° 3	29°34	27°11	28°26	23° 8	11°59	12° 1	29°35	1°20	26°R15	27°10	10°33	0°47	F 7
S 8	9 12 30	19°25'24	4♊ 7	1♒ 4	28°26	29° 8	23°23	12° 6	12° 2	29°35	1°20	26°13	27° 7	10°40	0°47	S 8
S 9	9 16 26	20°26'01	16° 3	2°36	29°41	29°51	23°37	12°13	12° 2	29°36	1°20	26°10	27° 3	10°46	0°48	S 9
M10	9 20 23	21°26'37	27°53	4° 8	0♒56	0♑33	23°52	12°20	12° 2	29°37	1°20	26° 4	27° 0	10°53	0°48	M10
T 11	9 24 19	22°27'11	9♋44	5°41	2°10	1°16	24° 6	12°28	12° 3	29°38	1°20	25°56	26°57	11° 0	0°48	T 11
W12	9 28 16	23°27'44	21°37	7°14	3°25	1°59	24°21	12°35	12° 3	29°38	1°20	25°45	26°54	11° 7	0°48	W12
T 13	9 32 12	24°28'14	3♌36	8°49	4°40	2°42	24°35	12°42	12° 3	29°39	1°20	25°33	26°51	11°13	0°49	T 13
F 14	9 36 9	25°28'43	15°43	10°25	5°54	3°24	24°49	12°49	12° 3	29°39	1°D20	25°21	26°48	11°20	0°49	F 14
S 15	9 40 5	26°29'11	27°58	12° 1	7° 9	4° 7	25° 4	12°56	12°R 3	29°40	1°20	25°10	26°44	11°27	0°50	S 15
S 16	9 44 2	27°29'36	10♍22	13°39	8°24	4°50	25°18	13° 3	12° 3	29°40	1°20	25° 0	26°41	11°33	0°51	S 16
M17	9 47 59	28°30'01	22°56	15°17	9°38	5°33	25°33	13°10	12° 3	29°41	1°20	24°53	26°38	11°40	0°52	M17
T 18	9 51 55	29°30'23	5♎40	16°57	10°53	6°16	25°47	13°18	12° 3	29°41	1°20	24°49	26°35	11°47	0°52	T 18
W19	9 55 52	0♓30'44	18°36	18°37	12° 8	6°58	26° 2	13°25	12° 3	29°41	1°20	24°D47	26°32	11°54	0°53	W19
T 20	9 59 48	1°31'04	1♏44	20°18	13°22	7°41	26°16	13°32	12° 2	29°42	1°20	24°47	26°28	12° 0	0°54	T 20
F 21	10 3 45	2°31'22	15° 6	22° 1	14°37	8°24	26°30	13°40	12° 2	29°42	1°21	24°48	26°25	12° 7	0°55	F 21
S 22	10 7 41	3°31'38	28°45	23°44	15°52	9° 7	26°45	13°47	12° 2	29°42	1°21	24°R49	26°22	12°14	0°56	S 22
S 23	10 11 38	4°31'54	12♐41	25°29	17° 6	9°50	26°59	13°54	12° 1	29°43	1°21	24°49	26°19	12°20	0°58	S 23
M24	10 15 34	5°32'08	26°54	27°14	18°21	10°33	27°14	14° 1	12° 1	29°43	1°21	24°47	26°16	12°27	0°59	M24
T 25	10 19 31	6°32'20	11♑23	29° 0	19°36	11°16	27°28	14° 9	12° 0	29°43	1°21	24°43	26°13	12°34	1° 0	T 25
W26	10 23 28	7°32'31	26° 3	0♓48	20°50	11°59	27°42	14°16	12° 0	29°43	1°22	24°37	26° 9	12°41	1° 2	W26
T 27	10 27 24	8°32'40	10♒50	2°37	22° 5	12°42	27°57	14°23	11°59	29°43	1°22	24°30	26° 6	12°47	1° 3	T 27
F 28	10 31 21	9♓32'47	25♒34	4♓26	23♒20	13♑25	28♒11	14♓31	11♏58	29♏43	1♊22	24♎22	26♎ 3	12♋54	1♊ 5	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17s 8	6s56	4n 5	22s35	0s44	22s10	0s 8	23s34	0s13	15s 4	0s48	9s 3	1s51	15s 3	0n25	18s26	1n41	8n44	11s58	10s15	10s36	18n13	16n 2	4s25	S 1
S 2	16 51	2 20	3 14	22 28	0 51	22 1	0 11	23 36	0 13	14 59	0 48	9 0	1 51	15 3	0 25	18 26	1 41	8 44	11 58	10 12	10 35	18 13	16 2	4 25	S 2
M 3	16 33	2n14	2 12	22 21	0 58	21 52	0 13	23 39	0 14	14 55	0 49	8 58	1 51	15 3	0 25	18 27	1 41	8 45	11 58	10 10	10 33	18 12	16 2	4 25	M 3
T 4	16 15	6 33	1 4	22 12	1 4	21 42	0 16	23 41	0 15	14 50	0 49	8 55	1 51	15 4	0 25	18 27	1 41	8 45	11 57	10 9	10 32	18 11	16 2	4 25	T 4
W 5	15 57	10 23	0s 5	22 2	1 11	21 32	0 18	23 43	0 16	14 45	0 49	8 52	1 51	15 4	0 25	18 27	1 41	8 45	11 57	10 9	10 31	18 10	16 2	4 24	W 5
T 6	15 39	13 38	1 11	21 50	1 17	21 21	0 21	23 44	0 17	14 41	0 49	8 50	1 51	15 4	0 25	18 27	1 41	8 45	11 57	10 9	10 30	18 10	16 3	4 24	T 6
F 7	15 20	16 11	2 13	21 37	1 22	21 9	0 24	23 46	0 17	14 36	0 49	8 47	1 51	15 4	0 25	18 27	1 41	8 46	11 57	10 9	10 29	18 9	16 3	4 24	F 7
S 8	15 1	17 57	3 7	21 23	1 28	20 56	0 26	23 47	0 18	14 31	0 49	8 44	1 51	15 4	0 25	18 27	1 41	8 46	11 56	10 8	10 28	18 8	16 3	4 24	S 8
S 9	14 42	18 54	3 53	21 7	1 33	20 43	0 28	23 48	0 19	14 26	0 49	8 42	1 51	15 4	0 26	18 27	1 41	8 46	11 56	10 7	10 27	18 7	16 3	4 24	S 9
M10	14 23	19 0	4 28	20 50	1 38	20 29	0 31	23 49	0 20	14 22	0 49	8 39	1 51	15 4	0 26	18 27	1 41	8 46	11 56	10 5	10 25	18 7	16 4	4 23	M10
T 11	14 3	18 17	4 51	20 32	1 42	20 15	0 33	23 49	0 21	14 17	0 49	8 36	1 51	15 4	0 26	18 27	1 41	8 47	11 55	10 2	10 24	18 6	16 4	4 23	T 11
W12	13 43	16 46	5 2	20 12	1 46	20 0	0 36	23 50	0 22	14 12	0 49	8 33	1 51	15 4	0 26	18 28	1 41	8 47	11 55	9 58	10 23	18 5	16 4	4 23	W12
T 13	13 23	14 31	5 0	19 51	1 50	19 45	0 38	23 50	0 23	14 7	0 49	8 31	1 51	15 4	0 26	18 28	1 41	8 47	11 55	9 54	10 22	18 4	16 4	4 23	T 13
F 14	13 3	11 37	4 44	19 29	1 53	19 29	0 40	23 50	0 23	14 3	0 49	8 28	1 51	15 4	0 26	18 28	1 41	8 47	11 55	9 49	10 21	18 3	16 5	4 22	F 14
S 15	12 43	8 12	4 16	19 5	1 56	19 12	0 42	23 49	0 24	13 58	0 49	8 25	1 51	15 4	0 26	18 28	1 42	8 48	11 54	9 45	10 20	18 3	16 5	4 22	S 15
S 16	12 22	4 23	3 34	18 40	1 59	18 55	0 45	23 49	0 25	13 53	0 49	8 22	1 51	15 4	0 26	18 28	1 42	8 48	11 54	9 42	10 19	18 2	16 5	4 22	S 16
M17	12 1	0 20	2 42	18 13	2 2	18 37	0 47	23 48	0 26	13 48	0 49	8 20	1 51	15 4	0 26	18 28	1 42	8 48	11 54	9 39	10 17	18 1	16 6	4 22	M17
T 18	11 40	3s48	1 41	17 45	2 4	18 19	0 49	23 47	0 27	13 43	0 49	8 17	1 51	15 4	0 26	18 28	1 42	8 49	11 53	9 38	10 16	18 0	16 6	4 22	T 18
W19	11 19	7 49	0 33	17 15	2 5	18 0	0 51	23 46	0 28	13 39	0 50	8 14	1 51	15 4	0 26	18 28	1 42	8 49	11 53	9 37	10 15	17 59	16 7	4 21	W19
T 20	10 57	11 31	0n37	16 45	2 6	17 41	0 53	23 44	0 29	13 34	0 50	8 11	1 51	15 4	0 26	18 28	1 42	8 49	11 53	9 37	10 14	17 59	16 7	4 21	T 20
F 21	10 36	14 41	1 47	16 12	2 7	17 21	0 55	23 43	0 30	13 29	0 50	8 8	1 51	15 4	0 26	18 28	1 42	8 50	11 53	9 37	10 13	17 58	16 7	4 21	F 21
S 22	10 14	17 7	2 52	15 38	2 8	17 1	0 57	23 41	0 30	13 24	0 50	8 6	1 51	15 4	0 26	18 28	1 42	8 50	11 52	9 38	10 12	17 57	16 8	4 21	S 22
S 23	9 52	18 35	3 49	15 3	2 8	16 40	0 59	23 38	0 31	13 19	0 50	8 3	1 51	15 4	0 26	18 28	1 42	8 50	11 52	9 38	10 11	17 56	16 8	4 20	S 23
M24	9 30	18 55	4 32	14 27	2 7	16 19	1 0	23 36	0 32	13 14	0 50	8 0	1 51	15 4	0 26	18 28	1 42	8 51	11 52	9 37	10 9	17 55	16 9	4 20	M24
T 25	9 8	18 1	4 59	13 49	2 6	15 57	1 2	23 33	0 33	13 9	0 50	7 57	1 51	15 3	0 26	18 28	1 42	8 51	11 51	9 35	10 8	17 55	16 9	4 20	T 25
W26	8 45	15 56	5 7	13 9	2 5	15 35	1 4	23 31	0 34	13 5	0 50	7 54	1 51	15 3	0 26	18 28	1 42	8 51	11 51	9 33	10 7	17 54	16 10	4 20	W26
T 27	8 23	12 49	4 55	12 28	2 3	15 12	1 6	23 27	0 35	13 0	0 50	7 52	1 51	15 3	0 26	18 28	1 42	8 52	11 51	9 31	10 6	17 53	16 10	4 20	T 27
F 28	8s 0	8s53	4n24	11s46	2s 1	14s49	1s 7	23s24	0s36	12s55	0s50	7s49	1s51	15s 3	0n26	18s28	1n42	8n52	11s51	9s28	10s 5	17n52	16n11	4s19	F 28

Julian Day Number = 2320819.5, Delta T = 48.88 sec
Ecliptic obliquity = 23°29'01, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'41, Lahiri = 18°51'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

MARCH 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 35 17	10♓32'52	10♓ 9	6♓17	24♒34	14♑ 9	28♒25	14♓38	11°R58	29♏43	1♊23	24°R16	26♎ 0	13♋ 1	1♊ 6	S 1
S 2	10 39 14	11°32'56	24°26	8° 9	25°49	14°52	28°40	14°46	11♏57	29°R43	1°23	24♎11	25°57	13° 7	1° 8	S 2
M 3	10 43 10	12°32'57	8♈22	10° 2	27° 4	15°35	28°54	14°53	11°56	29°43	1°23	24° 7	25°54	13°14	1°10	M 3
T 4	10 47 7	13°32'57	21°53	11°55	28°18	16°18	29° 8	15° 0	11°55	29°43	1°24	24°D 6	25°50	13°21	1°12	T 4
W 5	10 51 3	14°32'54	4♉59	13°50	29°33	17° 1	29°22	15° 8	11°54	29°43	1°24	24° 7	25°47	13°28	1°14	W 5
T 6	10 55 0	15°32'50	17°42	15°46	0♓47	17°44	29°37	15°15	11°53	29°43	1°24	24° 8	25°44	13°34	1°15	T 6
F 7	10 58 56	16°32'43	0♊ 5	17°43	2° 2	18°28	29°51	15°22	11°52	29°43	1°25	24°10	25°41	13°41	1°18	F 7
S 8	11 2 53	17°32'34	12°13	19°40	3°17	19°11	0♓ 5	15°30	11°51	29°43	1°25	24°R11	25°38	13°48	1°20	S 8
S 9	11 6 50	18°32'22	24°11	21°38	4°31	19°54	0°19	15°37	11°50	29°42	1°26	24°11	25°34	13°54	1°22	S 9
M10	11 10 46	19°32'09	6♋ 3	23°37	5°46	20°37	0°33	15°45	11°49	29°42	1°26	24° 9	25°31	14° 1	1°24	M10
T 11	11 14 43	20°31'53	17°55	25°36	7° 0	21°21	0°47	15°52	11°47	29°42	1°27	24° 6	25°28	14° 8	1°26	T 11
W12	11 18 39	21°31'35	29°51	27°36	8°15	22° 4	1° 1	15°59	11°46	29°42	1°27	24° 2	25°25	14°15	1°29	W12
T 13	11 22 36	22°31'14	11♌54	29°36	9°29	22°47	1°15	16° 7	11°45	29°41	1°28	23°57	25°22	14°21	1°31	T 13
F 14	11 26 32	23°30'52	24° 7	1♈35	10°44	23°31	1°29	16°14	11°44	29°41	1°29	23°51	25°19	14°28	1°34	F 14
S 15	11 30 29	24°30'27	6♍33	3°34	11°58	24°14	1°43	16°21	11°42	29°40	1°29	23°46	25°15	14°35	1°36	S 15
S 16	11 34 25	25°30'00	19°11	5°33	13°13	24°57	1°57	16°29	11°41	29°40	1°30	23°42	25°12	14°42	1°39	S 16
M17	11 38 22	26°29'31	2♎ 3	7°30	14°27	25°41	2°11	16°36	11°39	29°39	1°31	23°39	25° 9	14°48	1°42	M17
T 18	11 42 19	27°29'00	15° 9	9°26	15°42	26°24	2°24	16°43	11°38	29°39	1°31	23°37	25° 6	14°55	1°44	T 18
W19	11 46 15	28°28'27	28°27	11°20	16°56	27° 8	2°38	16°51	11°36	29°38	1°32	23°D37	25° 3	15° 2	1°47	W19
T 20	11 50 12	29°27'52	11♏58	13°12	18°11	27°51	2°52	16°58	11°34	29°38	1°33	23°38	25° 0	15° 8	1°50	T 20
F 21	11 54 8	0♈27'15	25°39	15° 1	19°25	28°34	3° 5	17° 5	11°33	29°37	1°33	23°39	24°56	15°15	1°53	F 21
S 22	11 58 5	1°26'37	9♐31	16°47	20°40	29°18	3°19	17°12	11°31	29°37	1°34	23°41	24°53	15°22	1°56	S 22
S 23	12 2 1	2°25'56	23°32	18°30	21°54	0♒ 1	3°33	17°20	11°29	29°36	1°35	23°42	24°50	15°29	1°59	S 23
M24	12 5 58	3°25'14	7♑42	20° 8	23° 8	0°45	3°46	17°27	11°28	29°35	1°36	23°R42	24°47	15°35	2° 2	M24
T 25	12 9 54	4°24'31	21°57	21°43	24°23	1°28	4° 0	17°34	11°26	29°34	1°36	23°41	24°44	15°42	2° 5	T 25
W26	12 13 51	5°23'45	6♒16	23°13	25°37	2°12	4°13	17°41	11°24	29°34	1°37	23°39	24°40	15°49	2° 8	W26
T 27	12 17 48	6°22'58	20°36	24°37	26°52	2°56	4°26	17°48	11°22	29°33	1°38	23°37	24°37	15°55	2°12	T 27
F 28	12 21 44	7°22'09	4♓51	25°57	28° 6	3°39	4°40	17°55	11°20	29°32	1°39	23°35	24°34	16° 2	2°15	F 28
S 29	12 25 41	8°21'17	18°57	27°11	29°20	4°23	4°53	18° 3	11°18	29°31	1°40	23°33	24°31	16° 9	2°18	S 29
S 30	12 29 37	9°20'24	2♈51	28°19	0♈35	5° 6	5° 6	18°10	11°16	29°30	1°41	23°32	24°28	16°16	2°22	S 30
M31	12 33 34	10♈19'29	16♈29	29♈21	1♈49	5♒50	5♓19	18♓17	11♏14	29♏29	1♊42	23♎31	24♎25	16♋22	2♊25	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s38	4s28	3n35	11s 3	1s58	14s26	1s 9	23s21	0s37	12s50	0s50	7s46	1s51	15s 3	0n26	18s28	1n42	8n52	11s50	9s25	10s 4	17n51	16n11	4s19
S 2	7 15	0n 8	2 34	10 18	1 54	14 2	1 10	23 17	0 38	12 45	0 51	7 43	1 51	15 2	0 26	18 28	1 42	8 53	11 50	9 24	10 2	17 50	16 12	4 19
M 3	6 52	4 37	1 24	9 32	1 50	13 38	1 12	23 13	0 39	12 40	0 51	7 40	1 51	15 2	0 26	18 28	1 42	8 53	11 50	9 22	10 1	17 50	16 13	4 19
T 4	6 29	8 44	0 12	8 44	1 46	13 14	1 13	23 9	0 40	12 35	0 51	7 37	1 51	15 2	0 26	18 28	1 42	8 53	11 49	9 22	10 0	17 49	16 13	4 18
W 5	6 6	12 17	0s59	7 55	1 41	12 49	1 14	23 4	0 41	12 30	0 51	7 35	1 51	15 1	0 26	18 28	1 43	8 54	11 49	9 22	9 59	17 48	16 14	4 18
T 6	5 42	15 9	2 5	7 5	1 35	12 23	1 16	23 0	0 42	12 25	0 51	7 32	1 51	15 1	0 26	18 27	1 43	8 54	11 49	9 23	9 58	17 47	16 14	4 18
F 7	5 19	17 13	3 3	6 14	1 29	11 58	1 17	22 55	0 43	12 21	0 51	7 29	1 51	15 1	0 26	18 27	1 43	8 54	11 49	9 23	9 57	17 46	16 15	4 18
S 8	4 56	18 28	3 52	5 22	1 23	11 32	1 18	22 50	0 44	12 16	0 51	7 26	1 51	15 0	0 26	18 27	1 43	8 55	11 48	9 24	9 55	17 45	16 15	4 18
S 9	4 32	18 51	4 30	4 29	1 15	11 6	1 19	22 44	0 45	12 11	0 51	7 23	1 51	15 0	0 26	18 27	1 43	8 55	11 48	9 24	9 54	17 45	16 16	4 17
M10	4 9	18 25	4 56	3 34	1 8	10 39	1 20	22 39	0 46	12 6	0 51	7 20	1 51	15 0	0 26	18 27	1 43	8 55	11 48	9 23	9 53	17 44	16 17	4 17
T 11	3 46	17 10	5 10	2 39	0 59	10 12	1 21	22 33	0 47	12 1	0 51	7 18	1 51	14 59	0 26	18 27	1 43	8 56	11 48	9 22	9 52	17 43	16 17	4 17
W12	3 22	15 10	5 10	1 44	0 50	9 45	1 22	22 27	0 48	11 56	0 52	7 15	1 51	14 59	0 26	18 27	1 43	8 56	11 47	9 20	9 51	17 42	16 18	4 17
T 13	2 58	12 30	4 57	0 47	0 41	9 18	1 23	22 21	0 48	11 51	0 52	7 12	1 51	14 59	0 26	18 27	1 43	8 56	11 47	9 18	9 50	17 41	16 19	4 17
F 14	2 35	9 16	4 30	0n 9	0 31	8 51	1 23	22 15	0 49	11 46	0 52	7 9	1 52	14 58	0 26	18 27	1 43	8 57	11 47	9 16	9 49	17 40	16 19	4 16
S 15	2 11	5 34	3 50	1 6	0 21	8 23	1 24	22 8	0 50	11 42	0 52	7 6	1 52	14 58	0 26	18 26	1 43	8 57	11 46	9 14	9 47	17 39	16 20	4 16
S 16	1 48	1 34	2 58	2 3	0 10	7 55	1 25	22 1	0 51	11 37	0 52	7 4	1 52	14 57	0 26	18 26	1 43	8 58	11 46	9 13	9 46	17 39	16 21	4 16
M17	1 24	2s35	1 56	3 0	0n 1	7 26	1 25	21 54	0 52	11 32	0 52	7 1	1 52	14 57	0 26	18 26	1 43	8 58	11 46	9 12	9 45	17 38	16 22	4 16
T 18	1 0	6 41	0 46	3 57	0 13	6 58	1 26	21 47	0 53	11 27	0 52	6 58	1 52	14 56	0 26	18 26	1 43	8 58	11 46	9 11	9 44	17 37	16 22	4 16
W19	0 36	10 32	0n27	4 52	0 25	6 29	1 26	21 40	0 54	11 22	0 52	6 55	1 52	14 56	0 26	18 26	1 43	8 59	11 45	9 11	9 43	17 36	16 23	4 16
T 20	0 13	13 53	1 39	5 47	0 37	6 1	1 27	21 32	0 55	11 17	0 52	6 52	1 52	14 55	0 26	18 26	1 43	8 59	11 45	9 11	9 42	17 35	16 24	4 15
F 21	0n11	16 30	2 47	6 41	0 49	5 32	1 27	21 24	0 56	11 12	0 53	6 50	1 52	14 55	0 26	18 25	1 43	9 0	11 45	9 12	9 40	17 34	16 24	4 15
S 22	0 35	18 11	3 46	7 33	1 1	5 3	1 27	21 16	0 57	11 8	0 53	6 47	1 52	14 54	0 26	18 25	1 43	9 0	11 45	9 13	9 39	17 33	16 25	4 15
S 23	0 58	18 47	4 33	8 24	1 13	4 33	1 27	21 8	0 59	11 3	0 53	6 44	1 52	14 54	0 26	18 25	1 43	9 0	11 44	9 13	9 38	17 32	16 26	4 15
M24	1 22	18 13	5 3	9 12	1 25	4 4	1 27	21 0	1 0	10 58	0 53	6 41	1 52	14 53	0 26	18 25	1 43	9 1	11 44	9 13	9 37	17 31	16 27	4 15
T 25	1 45	16 30	5 15	9 59	1 37	3 34	1 27	20 51	1 1	10 53	0 53	6 39	1 52	14 53	0 26	18 25	1 44	9 1	11 44	9 13	9 36	17 31	16 28	4 14
W26	2 9	13 46	5 8	10 43	1 49	3 5	1 27	20 42	1 2	10 49	0 53	6 36	1 52	14 52	0 26	18 24	1 44	9 1	11 44	9 12	9 35	17 30	16 28	4 14
T 27	2 32	10 12	4 41	11 25	2 0	2 35	1 27	20 33	1 3	10 44	0 53	6 33	1 53	14 51	0 26	18 24	1 44	9 2	11 43	9 11	9 33	17 29	16 29	4 14
F 28	2 56	6 4	3 57	12 4	2 10	2 5	1 27	20 24	1 4	10 39	0 54	6 31	1 53	14 51	0 26	18 24	1 44	9 2	11 43	9 10	9 32	17 28	16 30	4 14
S 29	3 19	1 38	3 0	12 40	2 20	1 36	1 27	20 15	1 5	10 34	0 54	6 28	1 53	14 50	0 26	18 24	1 44	9 3	11 43	9 10	9 31	17 27	16 31	4 14
S 30	3 42	2n51	1 52	13 13	2 29	1 6	1 27	20 5	1 6	10 30	0 54	6 25	1 53	14 50	0 26	18 24	1 44	9 3	11 43	9 9	9 30	17 26	16 31	4 14
M31	4n 6	7n 5	0n39	13n43	2n38	0s36	1s26	19s56	1s 7	10s25	0s54	6s23	1s53	14s49	0n26	18s23	1n44	9n 3	11s42	9s 9	9s29	17n25	16n32	4s14

Julian Day Number = 2320847.5, Delta T = 48.83 sec
Ecliptic obliquity = 23°29'01, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'45, Lahiri = 18°51'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

APRIL 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 37 30	11♈18'32	29♈48	0♉17	3♈ 3	6♒33	5♓32	18♓24	11°R12	29°R29	1♊42	23°D31	24♎21	16♋29	2♊29	T 1
W 2	12 41 27	12°17'32	12♉47	1° 7	4°18	7°17	5°45	18°31	11♏10	29♏28	1°43	23♎31	24°18	16°36	2°32	W 2
T 3	12 45 23	13°16'31	25°28	1°50	5°32	8° 0	5°58	18°38	11° 8	29°27	1°44	23°32	24°15	16°43	2°36	T 3
F 4	12 49 20	14°15'27	7♊52	2°26	6°46	8°44	6°11	18°45	11° 6	29°26	1°45	23°33	24°12	16°49	2°40	F 4
S 5	12 53 16	15°14'21	20° 3	2°56	8° 1	9°28	6°24	18°51	11° 4	29°25	1°46	23°34	24° 9	16°56	2°43	S 5
S 6	12 57 13	16°13'13	2♋ 3	3°19	9°15	10°11	6°37	18°58	11° 1	29°24	1°47	23°35	24° 5	17° 3	2°47	S 6
M 7	13 1 10	17°12'03	13°57	3°36	10°29	10°55	6°49	19° 5	10°59	29°22	1°48	23°R35	24° 2	17° 9	2°51	M 7
T 8	13 5 6	18°10'50	25°50	3°46	11°43	11°38	7° 2	19°12	10°57	29°21	1°49	23°35	23°59	17°16	2°55	T 8
W 9	13 9 3	19° 9'35	7♌47	3°R50	12°58	12°22	7°15	19°19	10°55	29°20	1°50	23°35	23°56	17°23	2°59	W 9
T 10	13 12 59	20° 8'17	19°51	3°47	14°12	13° 6	7°27	19°25	10°52	29°19	1°51	23°34	23°53	17°30	3° 3	T 10
F 11	13 16 56	21° 6'58	2♍ 7	3°39	15°26	13°49	7°39	19°32	10°50	29°18	1°52	23°34	23°50	17°36	3° 7	F 11
S 12	13 20 52	22° 5'36	14°39	3°24	16°40	14°33	7°52	19°39	10°48	29°17	1°53	23°34	23°46	17°43	3°11	S 12
S 13	13 24 49	23° 4'12	27°28	3° 5	17°54	15°16	8° 4	19°45	10°45	29°16	1°55	23°34	23°43	17°50	3°15	S 13
M14	13 28 45	24° 2'46	10♎36	2°40	19° 8	16° 0	8°16	19°52	10°43	29°14	1°56	23°D34	23°40	17°56	3°19	M14
T 15	13 32 42	25° 1'18	24° 2	2°12	20°23	16°44	8°28	19°58	10°41	29°13	1°57	23°R34	23°37	18° 3	3°23	T 15
W16	13 36 39	25°59'48	7♏45	1°39	21°37	17°27	8°40	20° 5	10°38	29°12	1°58	23°34	23°34	18°10	3°27	W16
T 17	13 40 35	26°58'16	21°43	1° 4	22°51	18°11	8°52	20°11	10°36	29°10	1°59	23°33	23°31	18°17	3°31	T 17
F 18	13 44 32	27°56'43	5♐52	0°26	24° 5	18°54	9° 4	20°18	10°33	29° 9	2° 0	23°33	23°27	18°23	3°36	F 18
S 19	13 48 28	28°55'08	20° 8	29♈46	25°19	19°38	9°16	20°24	10°31	29° 8	2° 1	23°32	23°24	18°30	3°40	S 19
S 20	13 52 25	29°53'31	4♑27	29° 5	26°33	20°22	9°28	20°30	10°28	29° 6	2° 3	23°32	23°21	18°37	3°44	S 20
M21	13 56 21	0♉51'53	18°46	28°25	27°47	21° 5	9°39	20°37	10°26	29° 5	2° 4	23°31	23°18	18°44	3°49	M21
T 22	14 0 18	1°50'13	3♒ 0	27°45	29° 1	21°49	9°51	20°43	10°23	29° 4	2° 5	23°D31	23°15	18°50	3°53	T 22
W23	14 4 14	2°48'31	17° 8	27° 6	0♉15	22°32	10° 2	20°49	10°21	29° 2	2° 6	23°32	23°11	18°57	3°58	W23
T 24	14 8 11	3°46'48	1♓ 8	26°29	1°29	23°16	10°13	20°55	10°18	29° 1	2° 7	23°32	23° 8	19° 4	4° 2	T 24
F 25	14 12 8	4°45'04	14°58	25°54	2°43	23°59	10°25	21° 1	10°16	28°59	2° 9	23°33	23° 5	19°10	4° 7	F 25
S 26	14 16 4	5°43'18	28°36	25°23	3°57	24°43	10°36	21° 7	10°13	28°58	2°10	23°34	23° 2	19°17	4°11	S 26
S 27	14 20 1	6°41'30	12♈ 3	24°55	5°11	25°27	10°47	21°13	10°11	28°57	2°11	23°35	22°59	19°24	4°16	S 27
M28	14 23 57	7°39'40	25°16	24°31	6°25	26°10	10°58	21°19	10° 8	28°55	2°12	23°R35	22°56	19°31	4°20	M28
T 29	14 27 54	8°37'49	8♉16	24°11	7°39	26°54	11° 9	21°25	10° 6	28°54	2°14	23°35	22°52	19°37	4°25	T 29
W30	14 31 50	9♉35'57	21♉ 1	23♈56	8♉53	27♒37	11♓19	21♓30	10♏ 3	28♏52	2♊15	23♎33	22♎49	19♋44	4♊29	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n29	10n53	0s35	14n10	2n45	0s 6	1s26	19s46	1s 8	10s20	0s54	6s20	1s53	14s48	0n26	18s23	1n44	9n 4	11s42	9s 9	9s28	17n24	16n33	4s13
W 2	4 52	14 3	1 45	14 34	2 52	0n24	1 25	19 36	1 9	10 16	0 54	6 17	1 53	14 48	0 26	18 23	1 44	9 4	11 42	9 9	9 26	17 23	16 34	4 13
T 3	5 15	16 27	2 48	14 54	2 57	0 54	1 25	19 25	1 10	10 11	0 54	6 15	1 53	14 47	0 26	18 23	1 44	9 5	11 42	9 9	9 25	17 22	16 35	4 13
F 4	5 38	18 1	3 42	15 11	3 2	1 24	1 24	19 15	1 11	10 6	0 55	6 12	1 53	14 46	0 26	18 22	1 44	9 5	11 42	9 10	9 24	17 21	16 36	4 13
S 5	6 1	18 43	4 24	15 25	3 5	1 54	1 24	19 4	1 12	10 2	0 55	6 9	1 54	14 46	0 26	18 22	1 44	9 5	11 41	9 10	9 23	17 21	16 36	4 13
S 6	6 23	18 33	4 55	15 35	3 7	2 24	1 23	18 54	1 13	9 57	0 55	6 7	1 54	14 45	0 26	18 22	1 44	9 6	11 41	9 10	9 22	17 20	16 37	4 13
M 7	6 46	17 34	5 12	15 41	3 8	2 54	1 22	18 43	1 14	9 53	0 55	6 4	1 54	14 44	0 26	18 22	1 44	9 6	11 41	9 10	9 21	17 19	16 38	4 13
T 8	7 9	15 50	5 17	15 44	3 7	3 24	1 21	18 32	1 15	9 48	0 55	6 2	1 54	14 44	0 26	18 21	1 44	9 7	11 41	9 10	9 19	17 18	16 39	4 13
W 9	7 31	13 24	5 7	15 43	3 5	3 54	1 20	18 21	1 16	9 43	0 55	5 59	1 54	14 43	0 26	18 21	1 44	9 7	11 41	9 10	9 18	17 17	16 40	4 12
T 10	7 53	10 23	4 44	15 39	3 2	4 23	1 20	18 9	1 17	9 39	0 56	5 57	1 54	14 42	0 26	18 21	1 44	9 7	11 40	9 10	9 17	17 16	16 41	4 12
F 11	8 15	6 52	4 8	15 32	2 57	4 53	1 18	17 58	1 18	9 34	0 56	5 54	1 54	14 41	0 26	18 21	1 44	9 8	11 40	9 10	9 16	17 15	16 42	4 12
S 12	8 37	2 59	3 19	15 21	2 51	5 22	1 17	17 46	1 19	9 30	0 56	5 52	1 54	14 41	0 26	18 20	1 44	9 8	11 40	9 10	9 15	17 14	16 42	4 12
S 13	8 59	1s 8	2 20	15 7	2 43	5 52	1 16	17 34	1 21	9 26	0 56	5 49	1 55	14 40	0 26	18 20	1 44	9 9	11 40	9 10	9 13	17 13	16 43	4 12
M14	9 21	5 18	1 11	14 50	2 34	6 21	1 15	17 22	1 22	9 21	0 56	5 47	1 55	14 39	0 26	18 20	1 44	9 9	11 40	9 10	9 12	17 12	16 44	4 12
T 15	9 42	9 18	0n 3	14 30	2 24	6 50	1 14	17 10	1 23	9 17	0 56	5 44	1 55	14 38	0 26	18 19	1 44	9 9	11 39	9 10	9 11	17 11	16 45	4 12
W16	10 4	12 54	1 18	14 8	2 12	7 19	1 13	16 58	1 24	9 12	0 57	5 42	1 55	14 38	0 26	18 19	1 44	9 10	11 39	9 10	9 10	17 10	16 46	4 12
T 17	10 25	15 49	2 30	13 43	1 59	7 48	1 11	16 45	1 25	9 8	0 57	5 39	1 55	14 37	0 26	18 19	1 44	9 10	11 39	9 10	9 9	17 9	16 47	4 12
F 18	10 46	17 49	3 34	13 17	1 45	8 17	1 10	16 33	1 26	9 4	0 57	5 37	1 55	14 36	0 26	18 18	1 44	9 10	11 39	9 10	9 8	17 8	16 48	4 12
S 19	11 7	18 43	4 25	12 49	1 30	8 45	1 8	16 20	1 27	9 0	0 57	5 35	1 55	14 35	0 26	18 18	1 44	9 11	11 39	9 9	9 6	17 7	16 48	4 11
S 20	11 27	18 25	4 59	12 20	1 14	9 13	1 7	16 7	1 28	8 55	0 57	5 32	1 56	14 35	0 26	18 18	1 44	9 11	11 38	9 9	9 5	17 6	16 49	4 11
M21	11 48	16 57	5 16	11 50	0 58	9 41	1 5	15 54	1 29	8 51	0 58	5 30	1 56	14 34	0 26	18 17	1 44	9 12	11 38	9 9	9 4	17 5	16 50	4 11
T 22	12 8	14 27	5 12	11 20	0 41	10 9	1 4	15 41	1 30	8 47	0 58	5 28	1 56	14 33	0 26	18 17	1 45	9 12	11 38	9 9	9 3	17 4	16 51	4 11
W23	12 28	11 7	4 50	10 50	0 24	10 37	1 2	15 28	1 31	8 43	0 58	5 26	1 56	14 32	0 26	18 17	1 45	9 12	11 38	9 9	9 2	17 4	16 52	4 11
T 24	12 48	7 11	4 11	10 20	0 7	11 4	1 0	15 14	1 32	8 39	0 58	5 23	1 56	14 32	0 26	18 16	1 45	9 13	11 38	9 9	9 1	17 3	16 53	4 11
F 25	13 8	2 54	3 18	9 52	0s10	11 31	0 59	15 1	1 33	8 35	0 58	5 21	1 56	14 31	0 26	18 16	1 45	9 13	11 38	9 10	8 59	17 2	16 54	4 11
S 26	13 27	1n30	2 14	9 25	0 27	11 58	0 57	14 47	1 34	8 31	0 58	5 19	1 57	14 30	0 26	18 16	1 45	9 14	11 38	9 10	8 58	17 1	16 55	4 11
S 27	13 46	5 45	1 3	8 59	0 44	12 25	0 55	14 34	1 36	8 27	0 59	5 17	1 57	14 29	0 26	18 15	1 45	9 14	11 37	9 10	8 57	17 0	16 55	4 11
M28	14 5	9 39	0s 9	8 36	0 59	12 51	0 53	14 20	1 37	8 23	0 59	5 14	1 57	14 28	0 26	18 15	1 45	9 14	11 37	9 10	8 56	16 59	16 56	4 11
T 29	14 24	13 1	1 20	8 14	1 15	13 17	0 51	14 6	1 38	8 19	0 59	5 12	1 57	14 28	0 26	18 15	1 45	9 15	11 37	9 10	8 55	16 58	16 57	4 11
W30	14n43	15n42	2s26	7n55	1s30	13n42	0s49	13s52	1s39	8s15	0s59	5s10	1s57	14s27	0n26	18s14	1n45	9n15	11s37	9s10	8s53	16n57	16n58	4s11

Julian Day Number = 2320878.5, Delta T = 48.77 sec
Ecliptic obliquity = 23°29'01, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'49, Lahiri = 18°51'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

MAY 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 47	10♉34'02	3♊33	23°R45	10♉ 7	28♒20	11♓30	21♓36	10°R 1	28°R51	2♊16	23°R31	22♎46	19♋51	4♊34	T 1
F 2	14 39 43	11°32'06	15°51	23♈39	11°21	29° 4	11°41	21°42	9♏58	28♏49	2°17	23♎29	22°43	19°57	4°39	F 2
S 3	14 43 40	12°30'08	27°59	23°D37	12°35	29°47	11°51	21°47	9°56	28°47	2°19	23°26	22°40	20° 4	4°43	S 3
S 4	14 47 37	13°28'09	9♋59	23°40	13°49	0♓31	12° 1	21°53	9°53	28°46	2°20	23°23	22°36	20°11	4°48	S 4
M 5	14 51 33	14°26'07	21°53	23°48	15° 3	1°14	12°12	21°58	9°51	28°44	2°21	23°21	22°33	20°18	4°53	M 5
T 6	14 55 30	15°24'04	3♌45	24° 0	16°17	1°57	12°22	22° 4	9°48	28°43	2°23	23°19	22°30	20°24	4°58	T 6
W 7	14 59 26	16°21'59	15°41	24°17	17°31	2°41	12°32	22° 9	9°46	28°41	2°24	23°D18	22°27	20°31	5° 3	W 7
T 8	15 3 23	17°19'52	27°44	24°38	18°45	3°24	12°41	22°14	9°43	28°40	2°25	23°19	22°24	20°38	5° 7	T 8
F 9	15 7 19	18°17'43	10♍ 0	25° 4	19°59	4° 7	12°51	22°20	9°41	28°38	2°27	23°20	22°21	20°45	5°12	F 9
S 10	15 11 16	19°15'32	22°32	25°34	21°13	4°50	13° 1	22°25	9°38	28°36	2°28	23°22	22°17	20°51	5°17	S 10
S 11	15 15 12	20°13'20	5♎25	26° 8	22°26	5°33	13°10	22°30	9°36	28°35	2°29	23°23	22°14	20°58	5°22	S 11
M12	15 19 9	21°11'06	18°41	26°46	23°40	6°17	13°20	22°35	9°33	28°33	2°31	23°R24	22°11	21° 5	5°27	M12
T 13	15 23 5	22° 8'50	2♏21	27°27	24°54	7° 0	13°29	22°40	9°31	28°32	2°32	23°24	22° 8	21°11	5°32	T 13
W14	15 27 2	23° 6'33	16°23	28°13	26° 8	7°43	13°38	22°44	9°28	28°30	2°33	23°22	22° 5	21°18	5°37	W14
T 15	15 30 59	24° 4'15	0♐46	29° 1	27°22	8°26	13°47	22°49	9°26	28°28	2°35	23°19	22° 2	21°25	5°42	T 15
F 16	15 34 55	25° 1'55	15°22	29°54	28°35	9° 9	13°56	22°54	9°23	28°27	2°36	23°15	21°58	21°32	5°47	F 16
S 17	15 38 52	25°59'34	0♑ 6	0♉50	29°49	9°52	14° 5	22°59	9°21	28°25	2°37	23°11	21°55	21°38	5°51	S 17
S 18	15 42 48	26°57'12	14°50	1°49	1♊ 3	10°35	14°14	23° 3	9°19	28°24	2°39	23° 6	21°52	21°45	5°56	S 18
M19	15 46 45	27°54'49	29°27	2°51	2°17	11°18	14°22	23° 8	9°16	28°22	2°40	23° 2	21°49	21°52	6° 1	M19
T 20	15 50 41	28°52'25	13♒51	3°56	3°30	12° 1	14°31	23°12	9°14	28°20	2°41	23° 0	21°46	21°59	6° 6	T 20
W21	15 54 38	29°50'00	28° 0	5° 4	4°44	12°43	14°39	23°16	9°12	28°19	2°43	22°D59	21°42	22° 5	6°11	W21
T 22	15 58 34	0♊47'34	11♓52	6°15	5°58	13°26	14°47	23°21	9° 9	28°17	2°44	23° 0	21°39	22°12	6°16	T 22
F 23	16 2 31	1°45'07	25°27	7°29	7°12	14° 9	14°55	23°25	9° 7	28°15	2°46	23° 1	21°36	22°19	6°21	F 23
S 24	16 6 28	2°42'40	8♈45	8°46	8°25	14°52	15° 3	23°29	9° 5	28°14	2°47	23° 2	21°33	22°25	6°26	S 24
S 25	16 10 24	3°40'11	21°49	10° 6	9°39	15°34	15°10	23°33	9° 2	28°12	2°48	23°R 3	21°30	22°32	6°31	S 25
M26	16 14 21	4°37'42	4♉40	11°28	10°53	16°17	15°18	23°37	9° 0	28°11	2°50	23° 2	21°27	22°39	6°36	M26
T 27	16 18 17	5°35'12	17°20	12°53	12° 7	16°59	15°25	23°41	8°58	28° 9	2°51	23° 0	21°23	22°46	6°41	T 27
W28	16 22 14	6°32'40	29°48	14°20	13°20	17°42	15°33	23°45	8°56	28° 7	2°52	22°55	21°20	22°52	6°47	W28
T 29	16 26 10	7°30'08	12♊ 7	15°51	14°34	18°24	15°40	23°48	8°54	28° 6	2°54	22°49	21°17	22°59	6°52	T 29
F 30	16 30 7	8°27'35	24°17	17°24	15°48	19° 6	15°47	23°52	8°52	28° 4	2°55	22°41	21°14	23° 6	6°57	F 30
S 31	16 34 3	9♊25'01	6♋19	18♉59	17♊ 1	19♓49	15♓54	23♓55	8♏50	28♏ 3	2♊56	22♎32	21♎11	23♋12	7♊ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15n 1	17n35	3s23	7n38	1s43	14n 8	0s47	13s38	1s40	8s11	1s 0	5s 8	1s58	14s26	0n26	18s14	1n45	9n15	11s37	9s 9	8s52	16n56	16n59	4s11	
F 2	15 19	18 36	4 10	7 23	1 56	14 33	0 45	13 24	1 41	8 7	1 0	5 6	1 58	14 25	0 26	18 14	1 45	9 16	11 37	9 8	8 51	16 55	17 0	4 11	
S 3	15 37	18 44	4 44	7 12	2 9	14 57	0 43	13 9	1 42	8 3	1 0	5 4	1 58	14 24	0 26	18 13	1 45	9 16	11 37	9 7	8 50	16 54	17 1	4 11	
S 4	15 55	18 1	5 6	7 2	2 20	15 21	0 41	12 55	1 43	7 59	1 0	5 2	1 58	14 24	0 26	18 13	1 45	9 16	11 37	9 6	8 49	16 53	17 1	4 11	
M 5	16 12	16 32	5 15	6 55	2 30	15 45	0 39	12 41	1 44	7 56	1 0	5 0	1 58	14 23	0 26	18 13	1 45	9 17	11 36	9 5	8 48	16 52	17 2	4 11	
T 6	16 29	14 20	5 9	6 51	2 40	16 9	0 37	12 26	1 45	7 52	1 1	4 58	1 58	14 22	0 26	18 12	1 45	9 17	11 36	9 4	8 46	16 51	17 3	4 11	
W 7	16 46	11 32	4 51	6 49	2 48	16 32	0 35	12 11	1 46	7 48	1 1	4 56	1 59	14 21	0 26	18 12	1 45	9 17	11 36	9 4	8 45	16 50	17 4	4 11	
T 8	17 2	8 13	4 20	6 50	2 56	16 54	0 33	11 57	1 47	7 45	1 1	4 54	1 59	14 21	0 26	18 12	1 45	9 18	11 36	9 4	8 44	16 49	17 5	4 11	
F 9	17 18	4 30	3 36	6 53	3 2	17 17	0 31	11 42	1 48	7 41	1 1	4 52	1 59	14 20	0 26	18 11	1 45	9 18	11 36	9 5	8 43	16 48	17 6	4 11	
S 10	17 34	0 30	2 41	6 59	3 8	17 38	0 28	11 27	1 49	7 38	1 1	4 51	1 59	14 19	0 26	18 11	1 45	9 18	11 36	9 5	8 42	16 47	17 7	4 11	
S 11	17 50	3s38	1 37	7 7	3 13	18 0	0 26	11 12	1 50	7 34	1 2	4 49	1 59	14 18	0 26	18 11	1 45	9 19	11 36	9 6	8 40	16 46	17 7	4 11	
M12	18 5	7 44	0 26	7 16	3 17	18 20	0 24	10 57	1 52	7 31	1 2	4 47	2 0	14 17	0 26	18 10	1 45	9 19	11 36	9 6	8 39	16 45	17 8	4 11	
T 13	18 20	11 33	0n49	7 28	3 20	18 41	0 22	10 42	1 53	7 28	1 2	4 45	2 0	14 17	0 26	18 10	1 45	9 19	11 36	9 6	8 38	16 44	17 9	4 11	
W14	18 35	14 49	2 3	7 42	3 22	19 1	0 19	10 27	1 54	7 24	1 2	4 43	2 0	14 16	0 26	18 10	1 45	9 20	11 36	9 6	8 37	16 43	17 10	4 11	
T 15	18 49	17 15	3 10	7 58	3 24	19 20	0 17	10 12	1 55	7 21	1 3	4 42	2 0	14 15	0 26	18 9	1 45	9 20	11 35	9 5	8 36	16 42	17 11	4 11	
F 16	19 4	18 36	4 6	8 16	3 24	19 39	0 15	9 56	1 56	7 18	1 3	4 40	2 1	14 14	0 26	18 9	1 45	9 20	11 35	9 3	8 34	16 40	17 11	4 11	
S 17	19 17	18 42	4 47	8 35	3 24	19 57	0 12	9 41	1 57	7 15	1 3	4 38	2 1	14 14	0 26	18 8	1 45	9 21	11 35	9 1	8 33	16 39	17 12	4 11	
S 18	19 31	17 33	5 8	8 56	3 24	20 15	0 10	9 26	1 58	7 12	1 3	4 37	2 1	14 13	0 26	18 8	1 45	9 21	11 35	9 0	8 32	16 38	17 13	4 11	
M19	19 44	15 15	5 10	9 19	3 22	20 32	0 7	9 10	1 59	7 8	1 4	4 35	2 1	14 12	0 26	18 8	1 45	9 21	11 35	8 58	8 31	16 37	17 14	4 11	
T 20	19 57	12 3	4 51	9 43	3 20	20 49	0 5	8 55	2 0	7 5	1 4	4 34	2 1	14 11	0 26	18 7	1 45	9 22	11 35	8 57	8 30	16 36	17 15	4 11	
W21	20 9	8 12	4 15	10 9	3 17	21 5	0 3	8 39	2 1	7 3	1 4	4 32	2 2	14 11	0 26	18 7	1 45	9 22	11 35	8 57	8 29	16 35	17 15	4 11	
T 22	20 21	3 58	3 25	10 35	3 13	21 20	0 0	8 24	2 2	7 0	1 4	4 31	2 2	14 10	0 26	18 7	1 45	9 22	11 35	8 57	8 27	16 34	17 16	4 11	
F 23	20 33	0n24	2 24	11 3	3 9	21 35	0n 2	8 8	2 3	6 57	1 5	4 29	2 2	14 9	0 26	18 6	1 45	9 23	11 35	8 58	8 26	16 33	17 17	4 11	
S 24	20 44	4 39	1 17	11 32	3 4	21 49	0 4	7 53	2 4	6 54	1 5	4 28	2 2	14 9	0 26	18 6	1 45	9 23	11 35	8 58	8 25	16 32	17 18	4 11	
S 25	20 55	8 37	0 7	12 2	2 59	22 3	0 7	7 37	2 5	6 51	1 5	4 26	2 3	14 8	0 26	18 6	1 45	9 23	11 35	8 59	8 24	16 31	17 19	4 11	
M26	21 6	12 7	1s 3	12 34	2 53	22 16	0 9	7 21	2 6	6 49	1 5	4 25	2 3	14 7	0 26	18 5	1 45	9 23	11 35	8 58	8 23	16 30	17 19	4 11	
T 27	21 17	15 0	2 8	13 6	2 46	22 29	0 12	7 6	2 7	6 46	1 6	4 24	2 3	14 6	0 26	18 5	1 45	9 24	11 35	8 57	8 21	16 29	17 20	4 11	
W28	21 27	17 7	3 6	13 38	2 39	22 40	0 14	6 50	2 8	6 43	1 6	4 23	2 3	14 6	0 26	18 5	1 45	9 24	11 35	8 56	8 20	16 28	17 21	4 12	
T 29	21 36	18 25	3 54	14 12	2 32	22 52	0 16	6 34	2 9	6 41	1 6	4 21	2 4	14 5	0 26	18 4	1 45	9 24	11 35	8 53	8 19	16 27	17 22	4 12	
F 30	21 45	18 51	4 31	14 46	2 23	23 2	0 19	6 18	2 10	6 38	1 6	4 20	2 4	14 5	0 26	18 4	1 45	9 24	11 35	8 50	8 18	16 26	17 22	4 12	
S 31	21n54	18n25	4s55	15n20	2s15	23n12	0n21	6s 3	2s11	6s36	1s 7	4s19	2s 4	14s 4	0n26	18s 4	1n45	9n25	11s35	8s47	8s17	16n25	17n23	4s12	

Julian Day Number = 2320908.5, Delta T = 48.71 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'53, Lahiri = 18°51'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

JUNE 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 0	10♊22'26	18♋15	20♉37	18♊15	20♓31	16♓ 0	23♓59	8°R48	28°R 1	2♊58	22°R23	21♎ 8	23♋19	7♊ 7	S 1
M 2	16 41 57	11°19'50	0♌ 7	22°18	19°29	21°13	16° 7	24° 2	8♏46	27♏59	2°59	22♎16	21° 4	23°26	7°12	M 2
T 3	16 45 53	12°17'13	11°59	24° 1	20°43	21°55	16°13	24° 5	8°44	27°58	3° 1	22°10	21° 1	23°33	7°17	T 3
W 4	16 49 50	13°14'34	23°53	25°47	21°56	22°37	16°19	24° 9	8°42	27°56	3° 2	22° 6	20°58	23°39	7°22	W 4
T 5	16 53 46	14°11'55	5♍54	27°35	23°10	23°19	16°25	24°12	8°40	27°55	3° 3	22° 4	20°55	23°46	7°27	T 5
F 6	16 57 43	15° 9'14	18° 7	29°26	24°23	24° 1	16°31	24°15	8°38	27°53	3° 5	22°D 3	20°52	23°53	7°32	F 6
S 7	17 1 39	16° 6'33	0♎36	1♊19	25°37	24°42	16°37	24°18	8°36	27°52	3° 6	22° 4	20°48	24° 0	7°37	S 7
S 8	17 5 36	17° 3'51	13°27	3°15	26°51	25°24	16°42	24°20	8°34	27°50	3° 7	22° 5	20°45	24° 6	7°42	S 8
M 9	17 9 32	18° 1'07	26°43	5°13	28° 4	26° 6	16°48	24°23	8°32	27°49	3° 9	22°R 5	20°42	24°13	7°47	M 9
T 10	17 13 29	18°58'23	10♏26	7°13	29°18	26°47	16°53	24°26	8°31	27°47	3°10	22° 4	20°39	24°20	7°52	T 10
W11	17 17 26	19°55'38	24°37	9°15	0♋32	27°28	16°58	24°28	8°29	27°46	3°11	22° 0	20°36	24°26	7°57	W11
T 12	17 21 22	20°52'53	9♐14	11°19	1°45	28°10	17° 3	24°31	8°27	27°44	3°13	21°54	20°33	24°33	8° 2	T 12
F 13	17 25 19	21°50'07	24° 9	13°25	2°59	28°51	17° 8	24°33	8°26	27°43	3°14	21°46	20°29	24°40	8° 7	F 13
S 14	17 29 15	22°47'20	9♑16	15°32	4°12	29°32	17°12	24°35	8°24	27°41	3°15	21°38	20°26	24°47	8°12	S 14
S 15	17 33 12	23°44'33	24°23	17°41	5°26	0♈13	17°16	24°37	8°23	27°40	3°16	21°29	20°23	24°53	8°16	S 15
M16	17 37 8	24°41'46	9♒20	19°51	6°39	0°54	17°21	24°40	8°21	27°39	3°18	21°21	20°20	25° 0	8°21	M16
T 17	17 41 5	25°38'58	24° 1	22° 2	7°53	1°35	17°25	24°42	8°20	27°37	3°19	21°15	20°17	25° 7	8°26	T 17
W18	17 45 2	26°36'11	8♓19	24°13	9° 7	2°16	17°28	24°43	8°18	27°36	3°20	21°12	20°14	25°14	8°31	W18
T 19	17 48 58	27°33'23	22°13	26°24	10°20	2°56	17°32	24°45	8°17	27°34	3°22	21°D11	20°10	25°20	8°36	T 19
F 20	17 52 55	28°30'35	5♈44	28°35	11°34	3°37	17°36	24°47	8°16	27°33	3°23	21°11	20° 7	25°27	8°41	F 20
S 21	17 56 51	29°27'47	18°53	0♋46	12°47	4°17	17°39	24°48	8°14	27°32	3°24	21°R11	20° 4	25°34	8°46	S 21
S 22	18 0 48	0♋25'00	1♉44	2°57	14° 1	4°58	17°42	24°50	8°13	27°30	3°25	21°11	20° 1	25°40	8°50	S 22
M23	18 4 44	1°22'12	14°20	5° 7	15°14	5°38	17°45	24°51	8°12	27°29	3°27	21° 9	19°58	25°47	8°55	M23
T 24	18 8 41	2°19'24	26°44	7°15	16°28	6°18	17°48	24°53	8°11	27°28	3°28	21° 4	19°54	25°54	9° 0	T 24
W25	18 12 37	3°16'37	8♊59	9°23	17°41	6°58	17°50	24°54	8°10	27°27	3°29	20°56	19°51	26° 1	9° 5	W25
T 26	18 16 34	4°13'49	21° 5	11°29	18°55	7°38	17°52	24°55	8° 9	27°25	3°30	20°46	19°48	26° 7	9°10	T 26
F 27	18 20 31	5°11'02	3♋ 6	13°33	20° 8	8°17	17°55	24°56	8° 8	27°24	3°31	20°34	19°45	26°14	9°14	F 27
S 28	18 24 27	6° 8'14	15° 3	15°36	21°22	8°57	17°57	24°57	8° 7	27°23	3°33	20°21	19°42	26°21	9°19	S 28
S 29	18 28 24	7° 5'26	26°56	17°38	22°35	9°36	17°58	24°58	8° 6	27°22	3°34	20° 8	19°39	26°27	9°24	S 29
M30	18 32 20	8♋ 2'38	8♌47	19♋37	23♋49	10♈15	18♓ 0	24♓58	8♏ 5	27♏21	3♊35	19♎56	19♎35	26♋34	9♊28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 3	17n11	5s 6	15n55	2s 6	23n21	0n24	5s47	2s12	6s34	1s 7	4s18	2s 4	14s 3	0n26	18s 3	1n45	9n25	11s35	8s44	8s15	16n24	17n24	4s12
M 2	22 11	15 12	5 4	16 30	1 57	23 30	0 26	5 31	2 13	6 31	1 7	4 17	2 5	14 3	0 26	18 3	1 45	9 25	11 35	8 41	8 14	16 23	17 24	4 12
T 3	22 18	12 36	4 49	17 5	1 47	23 38	0 28	5 15	2 14	6 29	1 8	4 16	2 5	14 2	0 25	18 3	1 45	9 25	11 35	8 39	8 13	16 22	17 25	4 12
W 4	22 26	9 28	4 21	17 40	1 37	23 45	0 30	5 0	2 15	6 27	1 8	4 15	2 5	14 1	0 25	18 2	1 45	9 26	11 35	8 37	8 12	16 20	17 26	4 12
T 5	22 33	5 55	3 42	18 15	1 26	23 51	0 33	4 44	2 16	6 25	1 8	4 14	2 5	14 1	0 25	18 2	1 45	9 26	11 35	8 36	8 11	16 19	17 26	4 12
F 6	22 39	2 4	2 52	18 50	1 16	23 57	0 35	4 28	2 16	6 23	1 8	4 13	2 6	14 0	0 25	18 2	1 45	9 26	11 35	8 36	8 9	16 18	17 27	4 13
S 7	22 45	1s58	1 53	19 24	1 5	24 2	0 37	4 12	2 17	6 21	1 9	4 12	2 6	14 0	0 25	18 1	1 45	9 26	11 35	8 37	8 8	16 17	17 28	4 13
S 8	22 51	6 2	0 46	19 58	0 54	24 6	0 39	3 57	2 18	6 19	1 9	4 11	2 6	13 59	0 25	18 1	1 45	9 27	11 35	8 37	8 7	16 16	17 28	4 13
M 9	22 57	9 56	0n25	20 31	0 43	24 10	0 42	3 41	2 19	6 17	1 9	4 10	2 6	13 59	0 25	18 1	1 45	9 27	11 35	8 37	8 6	16 15	17 29	4 13
T 10	23 1	13 27	1 37	21 2	0 32	24 13	0 44	3 25	2 20	6 15	1 10	4 9	2 7	13 58	0 25	18 0	1 45	9 27	11 35	8 36	8 5	16 14	17 30	4 13
W11	23 6	16 18	2 45	21 33	0 20	24 15	0 46	3 10	2 21	6 14	1 10	4 8	2 7	13 58	0 25	18 0	1 44	9 27	11 35	8 35	8 3	16 13	17 30	4 13
T 12	23 10	18 11	3 44	22 2	0 9	24 16	0 48	2 54	2 22	6 12	1 10	4 8	2 7	13 57	0 25	18 0	1 44	9 27	11 35	8 33	8 2	16 12	17 31	4 13
F 13	23 14	18 52	4 30	22 29	0n 2	24 17	0 50	2 38	2 23	6 10	1 10	4 7	2 7	13 56	0 25	17 59	1 44	9 28	11 35	8 30	8 1	16 11	17 32	4 14
S 14	23 17	18 13	4 57	22 54	0 13	24 17	0 52	2 23	2 24	6 9	1 11	4 6	2 8	13 56	0 25	17 59	1 44	9 28	11 35	8 27	8 0	16 10	17 32	4 14
S 15	23 20	16 18	5 3	23 18	0 23	24 17	0 54	2 7	2 24	6 8	1 11	4 6	2 8	13 56	0 25	17 59	1 44	9 28	11 35	8 23	7 59	16 9	17 33	4 14
M16	23 23	13 18	4 49	23 39	0 33	24 15	0 56	1 52	2 25	6 6	1 11	4 5	2 8	13 55	0 25	17 59	1 44	9 28	11 35	8 21	7 57	16 7	17 33	4 14
T 17	23 25	9 31	4 16	23 57	0 43	24 13	0 58	1 36	2 26	6 5	1 12	4 5	2 8	13 55	0 25	17 58	1 44	9 28	11 35	8 18	7 56	16 6	17 34	4 14
W18	23 26	5 15	3 27	24 14	0 52	24 10	1 0	1 21	2 27	6 4	1 12	4 4	2 9	13 54	0 25	17 58	1 44	9 28	11 35	8 17	7 55	16 5	17 35	4 14
T 19	23 28	0 50	2 28	24 27	1 1	24 7	1 2	1 5	2 28	6 2	1 12	4 4	2 9	13 54	0 25	17 58	1 44	9 29	11 35	8 17	7 54	16 4	17 35	4 15
F 20	23 28	3n32	1 21	24 38	1 9	24 2	1 4	0 50	2 29	6 1	1 12	4 3	2 9	13 53	0 25	17 57	1 44	9 29	11 35	8 17	7 53	16 3	17 36	4 15
S 21	23 29	7 36	0 12	24 46	1 17	23 57	1 6	0 35	2 30	6 0	1 13	4 3	2 9	13 53	0 25	17 57	1 44	9 29	11 35	8 17	7 51	16 2	17 36	4 15
S 22	23 29	11 14	0s56	24 51	1 24	23 52	1 7	0 19	2 30	5 59	1 13	4 2	2 10	13 53	0 25	17 57	1 44	9 29	11 36	8 17	7 50	16 1	17 37	4 15
M23	23 29	14 16	2 0	24 53	1 30	23 45	1 9	0 4	2 31	5 59	1 13	4 2	2 10	13 52	0 25	17 57	1 44	9 29	11 36	8 16	7 49	16 0	17 37	4 15
T 24	23 28	16 36	2 57	24 52	1 35	23 38	1 11	0n11	2 32	5 58	1 14	4 2	2 10	13 52	0 25	17 56	1 44	9 29	11 36	8 14	7 48	15 59	17 38	4 16
W25	23 27	18 8	3 45	24 49	1 40	23 30	1 12	0 26	2 33	5 57	1 14	4 2	2 11	13 52	0 25	17 56	1 44	9 30	11 36	8 11	7 47	15 57	17 38	4 16
T 26	23 25	18 50	4 22	24 43	1 44	23 22	1 14	0 41	2 33	5 56	1 14	4 1	2 11	13 51	0 25	17 56	1 44	9 30	11 36	8 7	7 45	15 56	17 39	4 16
F 27	23 23	18 40	4 47	24 34	1 47	23 13	1 15	0 56	2 34	5 56	1 15	4 1	2 11	13 51	0 25	17 56	1 44	9 30	11 36	8 3	7 44	15 55	17 39	4 16
S 28	23 20	17 41	4 59	24 23	1 50	23 3	1 17	1 11	2 35	5 55	1 15	4 1	2 11	13 51	0 25	17 55	1 44	9 30	11 36	7 58	7 43	15 54	17 40	4 16
S 29	23 18	15 56	4 58	24 10	1 51	22 52	1 18	1 26	2 36	5 55	1 15	4 1	2 12	13 50	0 25	17 55	1 44	9 30	11 36	7 53	7 42	15 53	17 40	4 17
M30	23n14	13n31	4s45	23n54	1n53	22n41	1n19	1n40	2s36	5s55	1s16	4s 1	2s12	13s50	0n25	17s55	1n44	9n30	11s36	7s48	7s41	15n52	17n41	4s17

Julian Day Number = 2320939.5, Delta T = 48.65 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°44'57, Lahiri = 18°51'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

JULY 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 36 17	8♋59'51	20♌38	21♋35	25♋ 2	10♈55	18♓ 1	24♓59	8°R 4	27°R20	3♊36	19°R46	19♎32	26♋41	9♊33	T 1
W 2	18 40 13	9°57'02	2♍33	23°31	26°16	11°34	18° 2	24°59	8♏ 3	27♏18	3°37	19♎38	19°29	26°48	9°37	W 2
T 3	18 44 10	10°54'14	14°34	25°24	27°29	12°12	18° 3	25° 0	8° 3	27°17	3°38	19°33	19°26	26°54	9°42	T 3
F 4	18 48 6	11°51'26	26°45	27°16	28°43	12°51	18° 4	25° 0	8° 2	27°16	3°39	19°31	19°23	27° 1	9°46	F 4
S 5	18 52 3	12°48'38	9♎12	29° 6	29°56	13°29	18° 5	25° 0	8° 1	27°15	3°41	19°30	19°20	27° 8	9°51	S 5
S 6	18 56 0	13°45'49	21°58	0♌54	1♌10	14° 8	18° 5	25°R 0	8° 1	27°14	3°42	19°30	19°16	27°15	9°55	S 6
M 7	18 59 56	14°43'01	5♏ 9	2°40	2°23	14°46	18° 6	25° 0	8° 0	27°13	3°43	19°30	19°13	27°21	10° 0	M 7
T 8	19 3 53	15°40'12	18°48	4°25	3°36	15°24	18°R 6	25° 0	8° 0	27°12	3°44	19°28	19°10	27°28	10° 4	T 8
W 9	19 7 49	16°37'24	2♐56	6° 7	4°50	16° 2	18° 5	25° 0	7°59	27°11	3°45	19°23	19° 7	27°35	10° 8	W 9
T 10	19 11 46	17°34'36	17°33	7°47	6° 3	16°39	18° 5	25° 0	7°59	27°11	3°46	19°16	19° 4	27°41	10°13	T 10
F 11	19 15 42	18°31'48	2♑34	9°25	7°17	17°17	18° 4	24°59	7°59	27°10	3°47	19° 7	19° 0	27°48	10°17	F 11
S 12	19 19 39	19°29'00	17°49	11° 2	8°30	17°54	18° 4	24°59	7°58	27° 9	3°48	18°56	18°57	27°55	10°21	S 12
S 13	19 23 35	20°26'13	3♒ 9	12°36	9°43	18°31	18° 3	24°58	7°58	27° 8	3°49	18°46	18°54	28° 2	10°26	S 13
M14	19 27 32	21°23'26	18°21	14° 8	10°57	19° 8	18° 2	24°57	7°58	27° 7	3°50	18°36	18°51	28° 8	10°30	M14
T 15	19 31 29	22°20'40	3♓16	15°39	12°10	19°45	18° 0	24°56	7°58	27° 6	3°51	18°29	18°48	28°15	10°34	T 15
W16	19 35 25	23°17'55	17°47	17° 7	13°23	20°21	17°59	24°55	7°58	27° 6	3°52	18°24	18°45	28°22	10°38	W16
T 17	19 39 22	24°15'10	1♈50	18°34	14°37	20°57	17°57	24°54	7°D58	27° 5	3°53	18°22	18°41	28°28	10°42	T 17
F 18	19 43 18	25°12'26	15°25	19°58	15°50	21°34	17°55	24°53	7°58	27° 4	3°54	18°D21	18°38	28°35	10°46	F 18
S 19	19 47 15	26° 9'43	28°34	21°21	17° 3	22° 9	17°53	24°52	7°58	27° 4	3°55	18°R21	18°35	28°42	10°50	S 19
S 20	19 51 11	27° 7'01	11♉21	22°41	18°17	22°45	17°51	24°51	7°58	27° 3	3°56	18°21	18°32	28°49	10°54	S 20
M21	19 55 8	28° 4'20	23°51	23°59	19°30	23°20	17°48	24°49	7°58	27° 2	3°56	18°19	18°29	28°55	10°58	M21
T 22	19 59 4	29° 1'41	6♊ 7	25°15	20°43	23°56	17°46	24°48	7°58	27° 2	3°57	18°14	18°26	29° 2	11° 2	T 22
W23	20 3 1	29°59'02	18°12	26°29	21°56	24°31	17°43	24°46	7°59	27° 1	3°58	18° 7	18°22	29° 9	11° 6	W23
T 24	20 6 58	0♌56'24	0♋11	27°40	23°10	25° 5	17°40	24°45	7°59	27° 1	3°59	17°56	18°19	29°16	11° 9	T 24
F 25	20 10 54	1°53'47	12° 6	28°49	24°23	25°40	17°36	24°43	8° 0	27° 0	4° 0	17°44	18°16	29°22	11°13	F 25
S 26	20 14 51	2°51'10	23°59	29°56	25°36	26°14	17°33	24°41	8° 0	27° 0	4° 1	17°31	18°13	29°29	11°17	S 26
S 27	20 18 47	3°48'35	5♌50	1♍ 0	26°49	26°48	17°29	24°39	8° 1	27° 0	4° 1	17°18	18°10	29°36	11°20	S 27
M28	20 22 44	4°46'01	17°43	2° 1	28° 2	27°21	17°26	24°37	8° 1	26°59	4° 2	17° 6	18° 6	29°42	11°24	M28
T 29	20 26 40	5°43'27	29°37	3° 0	29°16	27°55	17°22	24°35	8° 2	26°59	4° 3	16°56	18° 3	29°49	11°27	T 29
W30	20 30 37	6°40'55	11♍36	3°56	0♍29	28°28	17°17	24°33	8° 2	26°58	4° 4	16°48	18° 0	29°56	11°31	W30
T 31	20 34 33	7♌38'23	23♍42	4♍49	1♍42	29♈ 0	17♓13	24♓30	8♏ 3	26♏58	4♊ 4	16♎43	17♎57	0♌ 3	11♊34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n11	10n33	4s19	23n36	1n53	22n29	1n21	1n55	2s37	5s54	1s16	4s 1	2s12	13s50	0n25	17s55	1n44	9n30	11s36	7s45	7s39	15n51	17n41	4s17
W 2	23 7	7 9	3 41	23 17	1 53	22 17	1 22	2 10	2 38	5 54	1 16	4 1	2 12	13 50	0 25	17 55	1 44	9 30	11 36	7 42	7 38	15 49	17 41	4 17
T 3	23 2	3 25	2 54	22 55	1 52	22 3	1 23	2 24	2 39	5 54	1 16	4 1	2 13	13 50	0 25	17 54	1 44	9 30	11 37	7 40	7 37	15 48	17 42	4 18
F 4	22 57	0s30	1 57	22 32	1 50	21 50	1 24	2 38	2 39	5 54	1 17	4 1	2 13	13 49	0 25	17 54	1 44	9 31	11 37	7 39	7 36	15 47	17 42	4 18
S 5	22 52	4 29	0 54	22 8	1 48	21 35	1 25	2 53	2 40	5 54	1 17	4 2	2 13	13 49	0 25	17 54	1 44	9 31	11 37	7 39	7 35	15 46	17 43	4 18
S 6	22 46	8 22	0n13	21 42	1 45	21 20	1 26	3 7	2 41	5 54	1 17	4 2	2 14	13 49	0 25	17 54	1 44	9 31	11 37	7 39	7 33	15 45	17 43	4 18
M 7	22 40	11 59	1 22	21 15	1 41	21 5	1 27	3 21	2 41	5 54	1 18	4 2	2 14	13 49	0 25	17 54	1 44	9 31	11 37	7 39	7 32	15 44	17 43	4 19
T 8	22 34	15 4	2 28	20 46	1 37	20 48	1 28	3 35	2 42	5 55	1 18	4 2	2 14	13 49	0 25	17 54	1 43	9 31	11 37	7 38	7 31	15 43	17 44	4 19
W 9	22 27	17 23	3 28	20 17	1 33	20 32	1 29	3 49	2 42	5 55	1 18	4 3	2 14	13 49	0 25	17 53	1 43	9 31	11 37	7 36	7 30	15 41	17 44	4 19
T 10	22 20	18 39	4 16	19 46	1 28	20 14	1 29	4 3	2 43	5 55	1 19	4 3	2 15	13 49	0 24	17 53	1 43	9 31	11 37	7 33	7 29	15 40	17 45	4 19
F 11	22 12	18 39	4 48	19 15	1 22	19 56	1 30	4 17	2 44	5 56	1 19	4 4	2 15	13 48	0 24	17 53	1 43	9 31	11 38	7 30	7 27	15 39	17 45	4 20
S 12	22 4	17 20	5 0	18 43	1 16	19 38	1 31	4 30	2 44	5 57	1 19	4 4	2 15	13 48	0 24	17 53	1 43	9 31	11 38	7 26	7 26	15 38	17 45	4 20
S 13	21 56	14 46	4 51	18 10	1 10	19 19	1 31	4 44	2 45	5 57	1 20	4 4	2 15	13 48	0 24	17 53	1 43	9 31	11 38	7 22	7 25	15 37	17 45	4 20
M14	21 47	11 12	4 21	17 37	1 3	18 59	1 32	4 57	2 45	5 58	1 20	4 5	2 16	13 48	0 24	17 53	1 43	9 31	11 38	7 18	7 24	15 36	17 46	4 21
T 15	21 38	7 0	3 34	17 3	0 55	18 39	1 32	5 11	2 46	5 59	1 20	4 6	2 16	13 48	0 24	17 53	1 43	9 31	11 38	7 15	7 23	15 34	17 46	4 21
W16	21 28	2 28	2 34	16 29	0 48	18 19	1 32	5 24	2 46	6 0	1 20	4 6	2 16	13 48	0 24	17 52	1 43	9 31	11 38	7 14	7 21	15 33	17 46	4 21
T 17	21 18	2n 3	1 26	15 55	0 40	17 57	1 33	5 37	2 47	6 1	1 21	4 7	2 16	13 48	0 24	17 52	1 43	9 31	11 38	7 13	7 20	15 32	17 47	4 21
F 18	21 8	6 19	0 16	15 21	0 31	17 36	1 33	5 50	2 47	6 2	1 21	4 8	2 17	13 48	0 24	17 52	1 43	9 31	11 39	7 13	7 19	15 31	17 47	4 22
S 19	20 57	10 9	0s54	14 46	0 22	17 14	1 33	6 3	2 48	6 3	1 21	4 8	2 17	13 48	0 24	17 52	1 43	9 31	11 39	7 13	7 18	15 30	17 47	4 22
S 20	20 46	13 23	1 58	14 11	0 13	16 51	1 33	6 15	2 48	6 4	1 22	4 9	2 17	13 49	0 24	17 52	1 43	9 31	11 39	7 12	7 17	15 29	17 47	4 22
M21	20 35	15 56	2 56	13 36	0 4	16 28	1 33	6 28	2 49	6 5	1 22	4 10	2 17	13 49	0 24	17 52	1 43	9 31	11 39	7 11	7 15	15 27	17 48	4 23
T 22	20 23	17 41	3 44	13 2	0s 6	16 5	1 33	6 41	2 49	6 6	1 22	4 11	2 18	13 49	0 24	17 52	1 43	9 31	11 39	7 10	7 14	15 26	17 48	4 23
W23	20 11	18 37	4 21	12 27	0 16	15 41	1 33	6 53	2 50	6 8	1 22	4 11	2 18	13 49	0 24	17 52	1 43	9 31	11 39	7 7	7 13	15 25	17 48	4 23
T 24	19 59	18 42	4 47	11 53	0 27	15 17	1 33	7 5	2 50	6 9	1 23	4 12	2 18	13 49	0 24	17 52	1 43	9 31	11 40	7 3	7 12	15 24	17 48	4 24
F 25	19 46	17 58	4 59	11 20	0 37	14 52	1 32	7 17	2 51	6 11	1 23	4 13	2 18	13 49	0 24	17 52	1 43	9 31	11 40	6 58	7 10	15 23	17 48	4 24
S 26	19 33	16 27	4 59	10 46	0 48	14 27	1 32	7 29	2 51	6 12	1 23	4 14	2 19	13 49	0 24	17 52	1 43	9 31	11 40	6 53	7 9	15 21	17 48	4 24
S 27	19 20	14 14	4 45	10 13	0 59	14 2	1 31	7 41	2 51	6 14	1 24	4 15	2 19	13 50	0 24	17 52	1 42	9 31	11 40	6 48	7 8	15 20	17 49	4 25
M28	19 6	11 26	4 20	9 41	1 10	13 36	1 31	7 53	2 52	6 16	1 24	4 16	2 19	13 50	0 24	17 52	1 42	9 31	11 40	6 44	7 7	15 19	17 49	4 25
T 29	18 52	8 9	3 42	9 9	1 21	13 10	1 30	8 4	2 52	6 18	1 24	4 17	2 19	13 50	0 24	17 52	1 42	9 31	11 40	6 40	7 6	15 18	17 49	4 25
W30	18 38	4 32	2 55	8 39	1 33	12 43	1 30	8 16	2 52	6 20	1 24	4 19	2 20	13 50	0 24	17 52	1 42	9 31	11 41	6 37	7 4	15 17	17 49	4 26
T 31	18n24	0n41	1s59	8n 9	1s44	12n16	1n29	8n27	2s53	6s21	1s25	4s20	2s20	13s50	0n24	17s51	1n42	9n31	11s41	6s35	7s 3	15n16	17n49	4s26

Julian Day Number = 2320969.5, Delta T = 48.59 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'01, Lahiri = 18°52'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

AUGUST 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 38 30	8♌35'52	5♎57	5♍38	2♍55	29♈33	17°R 9	24°R28	8♏ 4	26°R58	4♊ 5	16°R41	17♎54	0♌ 9	11♊38	F 1
S 2	20 42 27	9°33'21	18°25	6°24	4° 8	0♉ 5	17♓ 4	24♓25	8° 5	26♏58	4° 6	16°D40	17°51	0°16	11°41	S 2
S 3	20 46 23	10°30'52	1♏11	7° 7	5°21	0°37	16°59	24°23	8° 6	26°57	4° 6	16♎41	17°47	0°23	11°44	S 3
M 4	20 50 20	11°28'23	14°18	7°46	6°34	1° 8	16°54	24°20	8° 6	26°57	4° 7	16°R41	17°44	0°29	11°48	M 4
T 5	20 54 16	12°25'56	27°51	8°22	7°47	1°40	16°49	24°17	8° 7	26°57	4° 8	16°40	17°41	0°36	11°51	T 5
W 6	20 58 13	13°23'29	11♐51	8°53	9° 1	2°11	16°44	24°14	8° 8	26°57	4° 8	16°37	17°38	0°43	11°54	W 6
T 7	21 2 9	14°21'03	26°17	9°20	10°14	2°41	16°38	24°11	8°10	26°57	4° 9	16°32	17°35	0°50	11°57	T 7
F 8	21 6 6	15°18'38	11♑ 8	9°42	11°27	3°11	16°33	24° 8	8°11	26°57	4° 9	16°24	17°31	0°56	12° 0	F 8
S 9	21 10 2	16°16'14	26°17	10° 0	12°40	3°41	16°27	24° 5	8°12	26°D57	4°10	16°16	17°28	1° 3	12° 3	S 9
S 10	21 13 59	17°13'51	11♒33	10°12	13°52	4°11	16°21	24° 2	8°13	26°57	4°10	16° 7	17°25	1°10	12° 6	S 10
M11	21 17 56	18°11'30	26°46	10°20	15° 5	4°40	16°15	23°59	8°14	26°57	4°11	15°59	17°22	1°17	12° 8	M11
T 12	21 21 52	19° 9'10	11♓46	10°R22	16°18	5° 9	16° 9	23°56	8°16	26°57	4°11	15°53	17°19	1°23	12°11	T 12
W13	21 25 49	20° 6'51	26°24	10°19	17°31	5°37	16° 2	23°52	8°17	26°57	4°12	15°50	17°16	1°30	12°14	W13
T 14	21 29 45	21° 4'33	10♈35	10°10	18°44	6° 5	15°56	23°49	8°19	26°57	4°12	15°D48	17°12	1°37	12°17	T 14
F 15	21 33 42	22° 2'18	24°17	9°56	19°57	6°33	15°49	23°45	8°20	26°58	4°13	15°48	17° 9	1°43	12°19	F 15
S 16	21 37 38	23° 0'04	7♉32	9°35	21°10	7° 0	15°43	23°42	8°22	26°58	4°13	15°49	17° 6	1°50	12°22	S 16
S 17	21 41 35	23°57'52	20°22	9° 9	22°23	7°27	15°36	23°38	8°23	26°58	4°13	15°R50	17° 3	1°57	12°24	S 17
M18	21 45 31	24°55'41	2♊52	8°37	23°35	7°53	15°29	23°34	8°25	26°58	4°14	15°50	17° 0	2° 4	12°27	M18
T 19	21 49 28	25°53'33	15° 7	8° 0	24°48	8°19	15°22	23°31	8°26	26°59	4°14	15°48	16°57	2°10	12°29	T 19
W20	21 53 25	26°51'26	27°10	7°18	26° 1	8°44	15°15	23°27	8°28	26°59	4°14	15°44	16°53	2°17	12°31	W20
T 21	21 57 21	27°49'21	9♋ 5	6°32	27°14	9° 9	15° 8	23°23	8°30	26°59	4°15	15°38	16°50	2°24	12°33	T 21
F 22	22 1 18	28°47'18	20°58	5°42	28°26	9°34	15° 0	23°19	8°32	27° 0	4°15	15°30	16°47	2°30	12°36	F 22
S 23	22 5 14	29°45'16	2♌49	4°49	29°39	9°58	14°53	23°15	8°34	27° 0	4°15	15°21	16°44	2°37	12°38	S 23
S 24	22 9 11	0♍43'16	14°42	3°54	0♎52	10°21	14°46	23°11	8°35	27° 1	4°15	15°13	16°41	2°44	12°40	S 24
M25	22 13 7	1°41'18	26°39	2°58	2° 4	10°44	14°38	23° 7	8°37	27° 1	4°16	15° 5	16°37	2°51	12°42	M25
T 26	22 17 4	2°39'21	8♍40	2° 2	3°17	11° 7	14°30	23° 3	8°39	27° 2	4°16	14°58	16°34	2°57	12°43	T 26
W27	22 21 0	3°37'26	20°49	1° 7	4°30	11°29	14°23	22°58	8°41	27° 2	4°16	14°54	16°31	3° 4	12°45	W27
T 28	22 24 57	4°35'32	3♎ 5	0°15	5°42	11°50	14°15	22°54	8°43	27° 3	4°16	14°51	16°28	3°11	12°47	T 28
F 29	22 28 53	5°33'41	15°31	29♌27	6°55	12°11	14° 7	22°50	8°46	27° 4	4°16	14°D50	16°25	3°17	12°49	F 29
S 30	22 32 50	6°31'50	28°10	28°43	8° 7	12°31	13°59	22°45	8°48	27° 4	4°16	14°51	16°22	3°24	12°50	S 30
S 31	22 36 47	7♍30'01	11♏ 3	28♌ 6	9♎20	12♉51	13♓51	22♓41	8♏50	27♏ 5	4♊16	14♎53	16♎18	3♌31	12♊52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n 9	3s14	0s57	7n40	1s56	11n49	1n28	8n38	2s53	6s23	1s25	4s21	2s20	13s51	0n24	17s51	1n42	9n31	11s41	6s34	7s 2	15n14	17n49	4s27	F 1
S 2	17 54	7 5	0n 9	7 12	2 8	11 22	1 27	8 49	2 53	6 26	1 25	4 22	2 20	13 51	0 24	17 52	1 42	9 31	11 41	6 34	7 1	15 13	17 49	4 27	S 2
S 3	17 38	10 43	1 17	6 45	2 19	10 54	1 26	9 0	2 53	6 28	1 25	4 23	2 21	13 51	0 24	17 52	1 42	9 31	11 41	6 34	7 0	15 12	17 49	4 27	S 3
M 4	17 22	13 54	2 22	6 20	2 31	10 26	1 25	9 11	2 54	6 30	1 26	4 25	2 21	13 52	0 24	17 52	1 42	9 31	11 42	6 34	6 58	15 11	17 49	4 28	M 4
T 5	17 6	16 27	3 21	5 56	2 43	9 58	1 24	9 21	2 54	6 32	1 26	4 26	2 21	13 52	0 24	17 52	1 42	9 30	11 42	6 34	6 57	15 9	17 49	4 28	T 5
W 6	16 50	18 7	4 10	5 34	2 54	9 29	1 23	9 32	2 54	6 34	1 26	4 27	2 21	13 52	0 24	17 52	1 42	9 30	11 42	6 33	6 56	15 8	17 49	4 28	W 6
T 7	16 33	18 40	4 46	5 13	3 6	9 0	1 22	9 42	2 54	6 37	1 26	4 29	2 22	13 53	0 24	17 52	1 42	9 30	11 42	6 31	6 55	15 7	17 49	4 29	T 7
F 8	16 16	17 59	5 3	4 55	3 17	8 31	1 20	9 52	2 54	6 39	1 27	4 30	2 22	13 53	0 24	17 52	1 42	9 30	11 42	6 28	6 53	15 6	17 49	4 29	F 8
S 9	15 59	16 2	5 0	4 38	3 27	8 2	1 19	10 2	2 55	6 42	1 27	4 31	2 22	13 54	0 24	17 52	1 42	9 30	11 42	6 24	6 52	15 5	17 49	4 30	S 9
S 10	15 42	12 56	4 35	4 24	3 38	7 33	1 17	10 12	2 55	6 44	1 27	4 33	2 22	13 54	0 24	17 52	1 42	9 30	11 43	6 21	6 51	15 3	17 49	4 30	S 10
M11	15 24	8 59	3 51	4 11	3 48	7 3	1 16	10 21	2 55	6 47	1 27	4 34	2 22	13 54	0 24	17 52	1 42	9 30	11 43	6 18	6 50	15 2	17 49	4 30	M11
T 12	15 6	4 31	2 52	4 2	3 57	6 33	1 14	10 31	2 55	6 49	1 28	4 36	2 23	13 55	0 24	17 52	1 42	9 30	11 43	6 16	6 49	15 1	17 49	4 31	T 12
W13	14 48	0n 8	1 42	3 55	4 6	6 3	1 13	10 40	2 55	6 52	1 28	4 37	2 23	13 55	0 23	17 52	1 41	9 30	11 43	6 14	6 47	15 0	17 49	4 31	W13
T 14	14 30	4 37	0 28	3 51	4 14	5 33	1 11	10 49	2 55	6 55	1 28	4 39	2 23	13 56	0 23	17 52	1 41	9 29	11 44	6 14	6 46	14 58	17 49	4 32	T 14
F 15	14 11	8 44	0s45	3 50	4 21	5 3	1 9	10 58	2 55	6 57	1 28	4 40	2 23	13 56	0 23	17 52	1 41	9 29	11 44	6 14	6 45	14 57	17 49	4 32	F 15
S 16	13 53	12 15	1 54	3 52	4 27	4 32	1 7	11 7	2 55	7 0	1 28	4 42	2 23	13 57	0 23	17 52	1 41	9 29	11 44	6 14	6 44	14 56	17 49	4 32	S 16
S 17	13 33	15 4	2 55	3 58	4 31	4 2	1 5	11 16	2 55	7 3	1 29	4 44	2 24	13 57	0 23	17 52	1 41	9 29	11 44	6 14	6 43	14 55	17 49	4 33	S 17
M18	13 14	17 5	3 46	4 6	4 35	3 31	1 3	11 24	2 55	7 6	1 29	4 45	2 24	13 58	0 23	17 53	1 41	9 29	11 44	6 14	6 41	14 54	17 49	4 33	M18
T 19	12 55	18 16	4 25	4 18	4 36	3 0	1 1	11 33	2 55	7 9	1 29	4 47	2 24	13 59	0 23	17 53	1 41	9 29	11 45	6 14	6 40	14 52	17 49	4 34	T 19
W20	12 35	18 36	4 52	4 34	4 37	2 29	0 59	11 41	2 55	7 12	1 29	4 49	2 24	13 59	0 23	17 53	1 41	9 29	11 45	6 12	6 39	14 51	17 49	4 34	W20
T 21	12 15	18 6	5 5	4 52	4 35	1 58	0 57	11 49	2 55	7 15	1 29	4 50	2 24	14 0	0 23	17 53	1 41	9 28	11 45	6 10	6 38	14 50	17 48	4 34	T 21
F 22	11 55	16 48	5 6	5 13	4 32	1 27	0 55	11 57	2 54	7 18	1 30	4 52	2 24	14 0	0 23	17 53	1 41	9 28	11 45	6 7	6 36	14 49	17 48	4 35	F 22
S 23	11 35	14 48	4 53	5 38	4 27	0 56	0 52	12 4	2 54	7 21	1 30	4 54	2 25	14 1	0 23	17 53	1 41	9 28	11 45	6 3	6 35	14 47	17 48	4 35	S 23
S 24	11 14	12 11	4 28	6 4	4 19	0 25	0 50	12 12	2 54	7 24	1 30	4 56	2 25	14 2	0 23	17 54	1 41	9 28	11 46	6 0	6 34	14 46	17 48	4 36	S 24
M25	10 54	9 2	3 51	6 33	4 10	0s 6	0 48	12 19	2 54	7 27	1 30	4 57	2 25	14 2	0 23	17 54	1 41	9 28	11 46	5 57	6 33	14 45	17 48	4 36	M25
T 26	10 33	5 30	3 3	7 3	3 59	0 37	0 45	12 26	2 54	7 30	1 30	4 59	2 25	14 3	0 23	17 54	1 41	9 28	11 46	5 55	6 32	14 44	17 48	4 37	T 26
W27	10 12	1 43	2 7	7 34	3 46	1 8	0 43	12 33	2 53	7 33	1 30	5 1	2 25	14 4	0 23	17 54	1 41	9 27	11 46	5 53	6 30	14 42	17 47	4 37	W27
T 28	9 51	2s12	1 3	8 6	3 32	1 39	0 40	12 40	2 53	7 36	1 30	5 3	2 25	14 4	0 23	17 54	1 41	9 27	11 46	5 52	6 29	14 41	17 47	4 37	T 28
F 29	9 29	6 4	0n 4	8 37	3 16	2 11	0 37	12 47	2 53	7 39	1 30	5 4	2 25	14 5	0 23	17 54	1 40	9 27	11 47	5 51	6 28	14 40	17 47	4 38	F 29
S 30	9 8	9 43	1 12	9 8	2 59	2 42	0 35	12 53	2 52	7 42	1 31	5 6	2 25	14 6	0 23	17 55	1 40	9 27	11 47	5 52	6 27	14 38	17 47	4 38	S 30
S 31	8n46	12s59	2n18	9n38	2s41	3s13	0n32	13n 0	2s52	7s45	1s31	5s 8	2s26	14s 6	0n23	17s55	1n40	9n27	11s47	5s52	6s25	14n37	17n46	4s39	S 31

Julian Day Number = 2321000.5, Delta T = 48.53 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'06, Lahiri = 18°52'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

SEPTEMBER 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 40 43	8♍28'14	24♏14	27°R35	10♎32	13♉10	13°R44	22°R37	8♏52	27♏ 6	4♊17	14♎54	16♎15	3♌38	12♊53	M 1
T 2	22 44 40	9°26'29	7♐44	27♌12	11°45	13°28	13♓36	22♓32	8°55	27° 7	4°17	14°R55	16°12	3°44	12°55	T 2
W 3	22 48 36	10°24'44	21°36	26°58	12°57	13°46	13°28	22°28	8°57	27° 7	4°17	14°54	16° 9	3°51	12°56	W 3
T 4	22 52 33	11°23'02	5♑50	26°D52	14° 9	14° 3	13°20	22°23	8°59	27° 8	4°R17	14°52	16° 6	3°58	12°57	T 4
F 5	22 56 29	12°21'20	20°24	26°55	15°22	14°20	13°12	22°19	9° 2	27° 9	4°17	14°49	16° 3	4° 4	12°58	F 5
S 6	23 0 26	13°19'41	5♒13	27° 7	16°34	14°36	13° 4	22°14	9° 4	27°10	4°17	14°45	15°59	4°11	12°59	S 6
S 7	23 4 22	14°18'03	20°10	27°28	17°46	14°51	12°56	22°10	9° 7	27°11	4°17	14°40	15°56	4°18	13° 0	S 7
M 8	23 8 19	15°16'26	5♓ 8	27°58	18°58	15° 6	12°48	22° 5	9° 9	27°12	4°16	14°36	15°53	4°25	13° 1	M 8
T 9	23 12 16	16°14'52	19°58	28°36	20°11	15°20	12°40	22° 1	9°12	27°13	4°16	14°34	15°50	4°31	13° 2	T 9
W10	23 16 12	17°13'19	4♈31	29°24	21°23	15°33	12°32	21°56	9°14	27°14	4°16	14°32	15°47	4°38	13° 3	W10
T 11	23 20 9	18°11'49	18°42	0♍19	22°35	15°45	12°24	21°51	9°17	27°15	4°16	14°D32	15°43	4°45	13° 4	T 11
F 12	23 24 5	19°10'20	2♉27	1°21	23°47	15°57	12°16	21°47	9°20	27°16	4°16	14°33	15°40	4°51	13° 5	F 12
S 13	23 28 2	20° 8'54	15°47	2°31	24°59	16° 8	12° 8	21°42	9°22	27°17	4°16	14°34	15°37	4°58	13° 5	S 13
S 14	23 31 58	21° 7'30	28°43	3°46	26°11	16°19	12° 1	21°37	9°25	27°18	4°15	14°36	15°34	5° 5	13° 6	S 14
M15	23 35 55	22° 6'08	11♊17	5° 8	27°23	16°28	11°53	21°33	9°28	27°19	4°15	14°37	15°31	5°12	13° 6	M15
T 16	23 39 51	23° 4'48	23°34	6°34	28°35	16°37	11°45	21°28	9°31	27°21	4°15	14°R37	15°28	5°18	13° 6	T 16
W17	23 43 48	24° 3'31	5♋38	8° 5	29°47	16°45	11°38	21°23	9°34	27°22	4°15	14°37	15°24	5°25	13° 7	W17
T 18	23 47 45	25° 2'16	17°34	9°39	0♏59	16°52	11°30	21°19	9°37	27°23	4°14	14°35	15°21	5°32	13° 7	T 18
F 19	23 51 41	26° 1'03	29°26	11°17	2°11	16°58	11°22	21°14	9°39	27°24	4°14	14°33	15°18	5°38	13° 7	F 19
S 20	23 55 38	26°59'52	11♌18	12°58	3°23	17° 3	11°15	21°10	9°42	27°26	4°14	14°30	15°15	5°45	13°R 7	S 20
S 21	23 59 34	27°58'43	23°14	14°40	4°34	17° 8	11° 8	21° 5	9°45	27°27	4°13	14°28	15°12	5°52	13° 7	S 21
M22	0 3 31	28°57'37	5♍16	16°25	5°46	17°12	11° 0	21° 0	9°48	27°28	4°13	14°25	15° 8	5°59	13° 7	M22
T 23	0 7 27	29°56'32	17°27	18°10	6°58	17°15	10°53	20°56	9°51	27°30	4°13	14°23	15° 5	6° 5	13° 7	T 23
W24	0 11 24	0♎55'30	29°48	19°57	8° 9	17°17	10°46	20°51	9°55	27°31	4°12	14°22	15° 2	6°12	13° 7	W24
T 25	0 15 20	1°54'30	12♎20	21°45	9°21	17°18	10°39	20°47	9°58	27°33	4°12	14°D22	14°59	6°19	13° 6	T 25
F 26	0 19 17	2°53'32	25° 5	23°33	10°33	17°R18	10°33	20°42	10° 1	27°34	4°11	14°22	14°56	6°25	13° 6	F 26
S 27	0 23 13	3°52'36	8♏ 3	25°21	11°44	17°17	10°26	20°38	10° 4	27°36	4°11	14°22	14°53	6°32	13° 5	S 27
S 28	0 27 10	4°51'41	21°14	27° 9	12°56	17°16	10°19	20°33	10° 7	27°37	4°10	14°23	14°49	6°39	13° 5	S 28
M29	0 31 7	5°50'49	4♐39	28°57	14° 7	17°13	10°13	20°29	10°10	27°39	4°10	14°24	14°46	6°46	13° 4	M29
T 30	0 35 3	6♎49'58	18♐18	0♎44	15♏19	17♉10	10♓ 6	20♓25	10♏14	27♏40	4♊ 9	14♎25	14♎43	6♌52	13♊ 4	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	8n25	15s40	3n18	10n 6	2s23	3s44	0n29	13n 6	2s51	7s48	1s31	5s10	2s26	14s 7	0n23	17s55	1n40	9n26	11s47	5s53	6s24	14n36	17n46	4s39	M 1
T 2	8 3	17 33	4 9	10 31	2 4	4 15	0 26	13 12	2 51	7 52	1 31	5 12	2 26	14 8	0 23	17 55	1 40	9 26	11 48	5 53	6 23	14 35	17 46	4 40	T 2
W 3	7 41	18 27	4 47	10 55	1 45	4 46	0 23	13 17	2 50	7 55	1 31	5 14	2 26	14 9	0 23	17 56	1 40	9 26	11 48	5 53	6 22	14 33	17 46	4 40	W 3
T 4	7 19	18 13	5 8	11 15	1 25	5 17	0 21	13 23	2 50	7 58	1 31	5 16	2 26	14 9	0 23	17 56	1 40	9 26	11 48	5 52	6 21	14 32	17 45	4 41	T 4
F 5	6 56	16 49	5 11	11 31	1 6	5 47	0 18	13 28	2 49	8 1	1 31	5 17	2 26	14 10	0 23	17 56	1 40	9 26	11 48	5 51	6 19	14 31	17 45	4 41	F 5
S 6	6 34	14 16	4 53	11 45	0 48	6 18	0 15	13 34	2 49	8 4	1 31	5 19	2 26	14 11	0 23	17 56	1 40	9 25	11 48	5 49	6 18	14 30	17 45	4 41	S 6
S 7	6 11	10 45	4 15	11 54	0 30	6 49	0 12	13 39	2 48	8 7	1 31	5 21	2 26	14 12	0 23	17 57	1 40	9 25	11 49	5 48	6 17	14 28	17 44	4 42	S 7
M 8	5 49	6 33	3 19	12 0	0 13	7 19	0 8	13 44	2 47	8 10	1 31	5 23	2 26	14 13	0 23	17 57	1 40	9 25	11 49	5 46	6 16	14 27	17 44	4 42	M 8
T 9	5 26	1 59	2 11	12 2	0n 3	7 49	0 5	13 48	2 46	8 13	1 31	5 25	2 26	14 14	0 23	17 57	1 40	9 25	11 49	5 45	6 14	14 26	17 44	4 43	T 9
W10	5 3	2n38	0 55	11 59	0 18	8 19	0 2	13 53	2 46	8 16	1 31	5 27	2 27	14 14	0 23	17 57	1 40	9 25	11 49	5 44	6 13	14 24	17 43	4 43	W10
T 11	4 41	6 59	0s23	11 53	0 32	8 49	0s 1	13 57	2 45	8 20	1 31	5 29	2 27	14 15	0 23	17 58	1 40	9 24	11 49	5 44	6 12	14 23	17 43	4 44	T 11
F 12	4 18	10 50	1 37	11 43	0 45	9 19	0 4	14 2	2 44	8 23	1 31	5 31	2 27	14 16	0 23	17 58	1 40	9 24	11 50	5 45	6 11	14 22	17 43	4 44	F 12
S 13	3 55	13 59	2 44	11 29	0 57	9 48	0 7	14 6	2 43	8 26	1 31	5 33	2 27	14 17	0 23	17 58	1 40	9 24	11 50	5 45	6 10	14 21	17 42	4 45	S 13
S 14	3 31	16 20	3 40	11 12	1 8	10 18	0 11	14 9	2 42	8 29	1 31	5 34	2 27	14 18	0 23	17 59	1 40	9 24	11 50	5 46	6 8	14 19	17 42	4 45	S 14
M15	3 8	17 49	4 24	10 51	1 17	10 47	0 14	14 13	2 41	8 32	1 31	5 36	2 27	14 19	0 23	17 59	1 40	9 23	11 50	5 46	6 7	14 18	17 41	4 46	M15
T 16	2 45	18 26	4 54	10 26	1 25	11 16	0 17	14 17	2 40	8 34	1 31	5 38	2 27	14 20	0 23	17 59	1 39	9 23	11 50	5 46	6 6	14 17	17 41	4 46	T 16
W17	2 22	18 11	5 11	9 59	1 32	11 44	0 21	14 20	2 39	8 37	1 31	5 40	2 27	14 21	0 23	18 0	1 39	9 23	11 51	5 46	6 5	14 15	17 40	4 47	W17
T 18	1 59	17 8	5 15	9 29	1 38	12 13	0 24	14 23	2 38	8 40	1 31	5 42	2 27	14 22	0 23	18 0	1 39	9 23	11 51	5 46	6 3	14 14	17 40	4 47	T 18
F 19	1 35	15 20	5 5	8 56	1 43	12 41	0 27	14 26	2 37	8 43	1 31	5 44	2 27	14 23	0 23	18 0	1 39	9 22	11 51	5 45	6 2	14 13	17 40	4 47	F 19
S 20	1 12	12 54	4 42	8 21	1 47	13 9	0 31	14 29	2 35	8 46	1 31	5 46	2 27	14 24	0 23	18 1	1 39	9 22	11 51	5 44	6 1	14 11	17 39	4 48	S 20
S 21	0 48	9 55	4 6	7 44	1 50	13 36	0 34	14 31	2 34	8 49	1 31	5 47	2 27	14 25	0 22	18 1	1 39	9 22	11 51	5 43	6 0	14 10	17 39	4 48	S 21
M22	0 25	6 30	3 20	7 5	1 51	14 4	0 38	14 34	2 33	8 51	1 31	5 49	2 27	14 26	0 22	18 1	1 39	9 22	11 52	5 42	5 58	14 9	17 38	4 49	M22
T 23	0 1	2 46	2 23	6 25	1 53	14 31	0 41	14 36	2 31	8 54	1 31	5 51	2 27	14 26	0 22	18 2	1 39	9 21	11 52	5 41	5 57	14 8	17 38	4 49	T 23
W24	0s22	1s 8	1 20	5 43	1 53	14 57	0 44	14 38	2 30	8 57	1 31	5 53	2 27	14 27	0 22	18 2	1 39	9 21	11 52	5 40	5 56	14 6	17 37	4 50	W24
T 25	0 46	5 3	0 11	5 0	1 52	15 24	0 48	14 39	2 28	8 59	1 31	5 55	2 27	14 28	0 22	18 2	1 39	9 21	11 52	5 40	5 55	14 5	17 37	4 50	T 25
F 26	1 9	8 49	0n59	4 16	1 51	15 49	0 51	14 41	2 27	9 2	1 31	5 56	2 27	14 30	0 22	18 3	1 39	9 21	11 52	5 40	5 54	14 4	17 36	4 51	F 26
S 27	1 33	12 12	2 8	3 31	1 49	16 15	0 55	14 42	2 25	9 4	1 31	5 58	2 27	14 31	0 22	18 3	1 39	9 20	11 53	5 41	5 52	14 2	17 36	4 51	S 27
S 28	1 56	15 2	3 10	2 46	1 47	16 40	0 58	14 44	2 23	9 7	1 31	6 0	2 27	14 32	0 22	18 4	1 39	9 20	11 53	5 41	5 51	14 1	17 35	4 52	S 28
M29	2 20	17 6	4 4	2 1	1 44	17 5	1 2	14 45	2 21	9 9	1 31	6 2	2 27	14 33	0 22	18 4	1 39	9 20	11 53	5 41	5 50	14 0	17 35	4 52	M29
T 30	2s43	18s14	4n45	1n14	1n40	17s30	1s 5	14n46	2s19	9s11	1s30	6s 3	2s27	14s34	0n22	18s 4	1n39	9n19	11s53	5s42	5s49	13n58	17n34	4s53	T 30

Julian Day Number = 2321031.5, Delta T = 48.47 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'10, Lahiri = 18°52'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

OCTOBER 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 39 0	7♎49'10	2♉11	2♎32	16♏30	17°R 6	10°R 0	20°R20	10♏17	27♏42	4°R 9	14°R25	14♎40	6♌59	13°R 3	W 1
T 2	0 42 56	8°48'23	16°16	4°18	17°41	17♉ 0	9♓54	20♓16	10°20	27°43	4♊ 8	14♎25	14°37	7° 6	13♊ 2	T 2
F 3	0 46 53	9°47'37	0♒34	6° 5	18°52	16°54	9°48	20°12	10°24	27°45	4° 8	14°25	14°34	7°12	13° 1	F 3
S 4	0 50 49	10°46'54	15° 0	7°50	20° 4	16°47	9°42	20° 8	10°27	27°47	4° 7	14°24	14°30	7°19	13° 0	S 4
S 5	0 54 46	11°46'12	29°31	9°35	21°15	16°40	9°37	20° 3	10°30	27°48	4° 6	14°24	14°27	7°26	12°59	S 5
M 6	0 58 42	12°45'32	14♓ 3	11°20	22°26	16°31	9°31	19°59	10°34	27°50	4° 6	14°24	14°24	7°33	12°58	M 6
T 7	1 2 39	13°44'54	28°28	13° 3	23°37	16°21	9°26	19°55	10°37	27°52	4° 5	14°24	14°21	7°39	12°57	T 7
W 8	1 6 36	14°44'17	12♈43	14°46	24°48	16°11	9°21	19°51	10°41	27°54	4° 4	14°24	14°18	7°46	12°55	W 8
T 9	1 10 32	15°43'43	26°42	16°29	25°59	16° 0	9°16	19°47	10°44	27°55	4° 4	14°24	14°14	7°53	12°54	T 9
F 10	1 14 29	16°43'11	10♉21	18°10	27°10	15°48	9°11	19°43	10°48	27°57	4° 3	14°24	14°11	7°59	12°53	F 10
S 11	1 18 25	17°42'41	23°40	19°51	28°20	15°35	9° 7	19°40	10°51	27°59	4° 2	14°23	14° 8	8° 6	12°51	S 11
S 12	1 22 22	18°42'14	6♊36	21°31	29°31	15°22	9° 2	19°36	10°55	28° 1	4° 2	14°23	14° 5	8°13	12°50	S 12
M13	1 26 18	19°41'49	19°13	23°11	0♗42	15° 7	8°58	19°32	10°58	28° 3	4° 1	14°22	14° 2	8°20	12°48	M13
T 14	1 30 15	20°41'26	1♋33	24°50	1°52	14°52	8°54	19°29	11° 2	28° 4	4° 0	14°22	13°59	8°26	12°46	T 14
W15	1 34 11	21°41'05	13°39	26°28	3° 3	14°37	8°50	19°25	11° 5	28° 6	3°59	14°21	13°55	8°33	12°45	W15
T 16	1 38 8	22°40'46	25°36	28° 6	4°13	14°20	8°46	19°22	11° 9	28° 8	3°58	14°D21	13°52	8°40	12°43	T 16
F 17	1 42 5	23°40'30	7♌28	29°43	5°24	14° 3	8°42	19°18	11°12	28°10	3°58	14°22	13°49	8°46	12°41	F 17
S 18	1 46 1	24°40'16	19°21	1♏19	6°34	13°45	8°39	19°15	11°16	28°12	3°57	14°22	13°46	8°53	12°39	S 18
S 19	1 49 58	25°40'04	1♍18	2°55	7°44	13°27	8°36	19°11	11°20	28°14	3°56	14°23	13°43	9° 0	12°37	S 19
M20	1 53 54	26°39'55	13°24	4°31	8°55	13° 8	8°33	19° 8	11°23	28°16	3°55	14°25	13°40	9° 6	12°35	M20
T 21	1 57 51	27°39'47	25°42	6° 6	10° 5	12°49	8°30	19° 5	11°27	28°18	3°54	14°26	13°36	9°13	12°33	T 21
W22	2 1 47	28°39'42	8♎15	7°40	11°15	12°29	8°27	19° 2	11°31	28°20	3°53	14°R26	13°33	9°20	12°30	W22
T 23	2 5 44	29°39'39	21° 5	9°14	12°25	12° 9	8°25	18°59	11°34	28°22	3°52	14°26	13°30	9°27	12°28	T 23
F 24	2 9 40	0♏39'37	4♏11	10°47	13°34	11°49	8°23	18°56	11°38	28°24	3°51	14°25	13°27	9°33	12°26	F 24
S 25	2 13 37	1°39'38	17°34	12°20	14°44	11°28	8°21	18°54	11°42	28°26	3°50	14°24	13°24	9°40	12°23	S 25
S 26	2 17 33	2°39'40	1♐12	13°52	15°54	11° 7	8°19	18°51	11°45	28°28	3°50	14°21	13°20	9°47	12°21	S 26
M27	2 21 30	3°39'45	15° 1	15°24	17° 4	10°46	8°18	18°48	11°49	28°30	3°49	14°19	13°17	9°53	12°18	M27
T 28	2 25 27	4°39'51	29° 1	16°56	18°13	10°25	8°16	18°46	11°53	28°32	3°48	14°16	13°14	10° 0	12°16	T 28
W29	2 29 23	5°39'58	13♑ 6	18°27	19°22	10° 3	8°15	18°43	11°57	28°34	3°47	14°14	13°11	10° 7	12°13	W29
T 30	2 33 20	6°40'07	27°16	19°57	20°32	9°42	8°14	18°41	12° 0	28°37	3°46	14°12	13° 8	10°14	12°10	T 30
F 31	2 37 16	7♏40'18	11♒27	21♏27	21♗41	9♉20	8♓13	18♓39	12♏ 4	28♏39	3♊45	14°D12	13♎ 5	10♌20	12♊ 8	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3s 6	18s18	5n10	0n28	1n37	17s54	1s 8	14n46	2s18	9s14	1s30	6s 5	2s27	14s35	0n22	18s 5	1n39	9n19	11s53	5s42	5s47	13n57	17n34	4s53
T 2	3 30	17 15	5 17	0s18	1 32	18 17	1 12	14 47	2 16	9 16	1 30	6 7	2 27	14 36	0 22	18 5	1 39	9 19	11 54	5 42	5 46	13 56	17 33	4 53
F 3	3 53	15 6	5 5	1 4	1 28	18 40	1 15	14 47	2 13	9 18	1 30	6 8	2 27	14 37	0 22	18 6	1 39	9 19	11 54	5 42	5 45	13 54	17 33	4 54
S 4	4 16	12 0	4 33	1 51	1 23	19 3	1 19	14 47	2 11	9 20	1 30	6 10	2 27	14 38	0 22	18 6	1 39	9 18	11 54	5 41	5 44	13 53	17 32	4 54
S 5	4 40	8 10	3 44	2 37	1 18	19 25	1 22	14 47	2 9	9 22	1 30	6 11	2 27	14 39	0 22	18 6	1 39	9 18	11 54	5 41	5 42	13 52	17 31	4 55
M 6	5 3	3 49	2 41	3 23	1 12	19 47	1 25	14 47	2 7	9 24	1 30	6 13	2 26	14 40	0 22	18 7	1 39	9 18	11 54	5 41	5 41	13 50	17 31	4 55
T 7	5 26	0n44	1 27	4 8	1 7	20 8	1 28	14 46	2 5	9 26	1 30	6 14	2 26	14 41	0 22	18 7	1 38	9 18	11 54	5 41	5 40	13 49	17 30	4 56
W 8	5 49	5 11	0 9	4 54	1 1	20 29	1 32	14 46	2 2	9 28	1 29	6 16	2 26	14 42	0 22	18 8	1 38	9 17	11 55	5 41	5 39	13 48	17 30	4 56
T 9	6 12	9 16	1s 8	5 39	0 55	20 49	1 35	14 45	2 0	9 29	1 29	6 17	2 26	14 43	0 22	18 8	1 38	9 17	11 55	5 41	5 38	13 46	17 29	4 56
F 10	6 35	12 45	2 19	6 23	0 48	21 9	1 38	14 44	1 57	9 31	1 29	6 19	2 26	14 44	0 22	18 9	1 38	9 17	11 55	5 41	5 36	13 45	17 28	4 57
S 11	6 58	15 28	3 21	7 8	0 42	21 28	1 41	14 43	1 55	9 33	1 29	6 20	2 26	14 45	0 22	18 9	1 38	9 16	11 55	5 41	5 35	13 44	17 28	4 57
S 12	7 21	17 20	4 11	7 51	0 36	21 47	1 45	14 41	1 52	9 34	1 29	6 22	2 26	14 47	0 22	18 9	1 38	9 16	11 55	5 41	5 34	13 42	17 27	4 58
M13	7 43	18 16	4 47	8 34	0 29	22 5	1 48	14 40	1 49	9 36	1 29	6 23	2 26	14 48	0 22	18 10	1 38	9 16	11 55	5 41	5 33	13 41	17 27	4 58
T 14	8 6	18 19	5 9	9 17	0 22	22 23	1 51	14 38	1 46	9 37	1 28	6 24	2 26	14 49	0 22	18 10	1 38	9 16	11 55	5 40	5 31	13 40	17 26	4 59
W15	8 28	17 31	5 17	9 59	0 16	22 40	1 54	14 36	1 44	9 38	1 28	6 26	2 26	14 50	0 22	18 11	1 38	9 15	11 56	5 40	5 30	13 38	17 25	4 59
T 16	8 50	15 58	5 11	10 41	0 9	22 56	1 57	14 34	1 41	9 40	1 28	6 27	2 26	14 51	0 22	18 11	1 38	9 15	11 56	5 40	5 29	13 37	17 25	4 59
F 17	9 12	13 44	4 52	11 21	0 2	23 12	2 0	14 32	1 38	9 41	1 28	6 28	2 25	14 52	0 22	18 12	1 38	9 15	11 56	5 40	5 28	13 36	17 24	5 0
S 18	9 34	10 56	4 20	12 2	0s 4	23 27	2 2	14 29	1 35	9 42	1 28	6 29	2 25	14 53	0 22	18 12	1 38	9 15	11 56	5 41	5 26	13 34	17 23	5 0
S 19	9 56	7 39	3 37	12 41	0 11	23 42	2 5	14 27	1 32	9 43	1 28	6 31	2 25	14 54	0 22	18 13	1 38	9 14	11 56	5 41	5 25	13 33	17 23	5 1
M20	10 18	4 1	2 44	13 20	0 18	23 56	2 8	14 24	1 29	9 44	1 27	6 32	2 25	14 56	0 22	18 13	1 38	9 14	11 56	5 41	5 24	13 31	17 22	5 1
T 21	10 40	0 9	1 42	13 58	0 25	24 9	2 11	14 22	1 25	9 45	1 27	6 33	2 25	14 57	0 22	18 14	1 38	9 14	11 56	5 42	5 23	13 30	17 21	5 1
W22	11 1	3s48	0 34	14 35	0 31	24 22	2 13	14 19	1 22	9 45	1 27	6 34	2 25	14 58	0 22	18 14	1 38	9 13	11 56	5 42	5 21	13 29	17 21	5 2
T 23	11 22	7 40	0n37	15 12	0 38	24 34	2 16	14 16	1 19	9 46	1 27	6 35	2 25	14 59	0 22	18 15	1 38	9 13	11 57	5 42	5 20	13 27	17 20	5 2
F 24	11 43	11 16	1 47	15 48	0 45	24 46	2 18	14 13	1 16	9 47	1 27	6 36	2 25	15 0	0 22	18 15	1 38	9 13	11 57	5 42	5 19	13 26	17 19	5 3
S 25	12 4	14 20	2 53	16 23	0 51	24 57	2 21	14 9	1 12	9 47	1 26	6 37	2 24	15 1	0 22	18 15	1 38	9 13	11 57	5 41	5 18	13 25	17 19	5 3
S 26	12 25	16 41	3 50	16 57	0 58	25 7	2 23	14 6	1 9	9 48	1 26	6 38	2 24	15 3	0 22	18 16	1 38	9 12	11 57	5 40	5 17	13 23	17 18	5 3
M27	12 46	18 5	4 35	17 30	1 4	25 16	2 26	14 3	1 5	9 48	1 26	6 39	2 24	15 4	0 22	18 16	1 38	9 12	11 57	5 39	5 15	13 22	17 17	5 4
T 28	13 6	18 25	5 4	18 3	1 10	25 25	2 28	13 59	1 2	9 49	1 26	6 40	2 24	15 5	0 22	18 17	1 38	9 12	11 57	5 38	5 14	13 21	17 17	5 4
W29	13 26	17 37	5 15	18 34	1 17	25 33	2 30	13 56	0 59	9 49	1 26	6 40	2 24	15 6	0 22	18 17	1 38	9 12	11 57	5 37	5 13	13 19	17 16	5 4
T 30	13 46	15 44	5 7	19 5	1 23	25 40	2 32	13 52	0 55	9 49	1 25	6 41	2 24	15 7	0 22	18 18	1 38	9 11	11 57	5 37	5 12	13 18	17 15	5 5
F 31	14s 6	12s53	4n40	19s35	1s28	25s47	2s34	13n49	0s52	9s49	1s25	6s42	2s23	15s 8	0n22	18s18	1n38	9n11	11s57	5s37	5s10	13n16	17n15	5s 5

Julian Day Number = 2321061.5, Delta T = 48.41 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'14, Lahiri = 18°52'15Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1642
geocentric

NOVEMBER 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 41 13	8♏40'30	25♒38	22♏57	22♐50	8°R59	8°R13	18°R37	12♏ 8	28♏41	3°R44	14♎13	13♎ 1	10♌27	12°R 5	S 1
S 2	2 45 9	9°40'44	9♓45	24°26	23°59	8♉38	8♓12	18♓34	12°11	28°43	3♊43	14°14	12°58	10°34	12♊ 2	S 2
M 3	2 49 6	10°40'59	23°49	25°55	25° 8	8°17	8°D12	18°33	12°15	28°45	3°42	14°16	12°55	10°40	11°59	M 3
T 4	2 53 2	11°41'15	7♈45	27°23	26°17	7°56	8°12	18°31	12°19	28°47	3°41	14°R17	12°52	10°47	11°56	T 4
W 5	2 56 59	12°41'33	21°33	28°51	27°25	7°36	8°13	18°29	12°23	28°50	3°40	14°17	12°49	10°54	11°53	W 5
T 6	3 0 56	13°41'53	5♉ 9	0♐18	28°34	7°16	8°13	18°27	12°26	28°52	3°38	14°15	12°45	11° 1	11°50	T 6
F 7	3 4 52	14°42'14	18°31	1°45	29°42	6°56	8°14	18°26	12°30	28°54	3°37	14°12	12°42	11° 7	11°47	F 7
S 8	3 8 49	15°42'37	1♊38	3°11	0♑50	6°37	8°15	18°24	12°34	28°56	3°36	14° 8	12°39	11°14	11°44	S 8
S 9	3 12 45	16°43'02	14°29	4°37	1°58	6°18	8°16	18°23	12°38	28°58	3°35	14° 2	12°36	11°21	11°41	S 9
M10	3 16 42	17°43'29	27° 3	6° 1	3° 6	5°59	8°17	18°22	12°41	29° 1	3°34	13°56	12°33	11°27	11°38	M10
T 11	3 20 38	18°43'57	9♋22	7°25	4°14	5°41	8°18	18°20	12°45	29° 3	3°33	13°50	12°30	11°34	11°34	T 11
W12	3 24 35	19°44'28	21°28	8°49	5°21	5°24	8°20	18°19	12°49	29° 5	3°32	13°46	12°26	11°41	11°31	W12
T 13	3 28 31	20°45'00	3♌25	10°11	6°29	5° 7	8°22	18°18	12°53	29° 7	3°31	13°42	12°23	11°47	11°28	T 13
F 14	3 32 28	21°45'33	15°17	11°32	7°36	4°51	8°24	18°18	12°56	29°10	3°30	13°41	12°20	11°54	11°24	F 14
S 15	3 36 25	22°46'09	27° 8	12°52	8°43	4°35	8°26	18°17	13° 0	29°12	3°29	13°D40	12°17	12° 1	11°21	S 15
S 16	3 40 21	23°46'46	9♍ 4	14°11	9°50	4°20	8°29	18°16	13° 4	29°14	3°28	13°41	12°14	12° 8	11°18	S 16
M17	3 44 18	24°47'25	21°10	15°28	10°57	4° 6	8°32	18°16	13° 7	29°16	3°26	13°43	12°11	12°14	11°14	M17
T 18	3 48 14	25°48'06	3♎31	16°43	12° 3	3°53	8°35	18°15	13°11	29°19	3°25	13°44	12° 7	12°21	11°11	T 18
W19	3 52 11	26°48'48	16°10	17°57	13°10	3°40	8°38	18°15	13°15	29°21	3°24	13°R45	12° 4	12°28	11° 7	W19
T 20	3 56 7	27°49'32	29°10	19° 8	14°16	3°28	8°41	18°15	13°18	29°23	3°23	13°44	12° 1	12°34	11° 4	T 20
F 21	4 0 4	28°50'17	12♏34	20°16	15°22	3°17	8°44	18°D15	13°22	29°25	3°22	13°40	11°58	12°41	11° 0	F 21
S 22	4 4 0	29°51'04	26°19	21°22	16°28	3° 7	8°48	18°15	13°26	29°28	3°21	13°35	11°55	12°48	10°57	S 22
S 23	4 7 57	0♐51'52	10♐24	22°24	17°33	2°57	8°52	18°15	13°29	29°30	3°20	13°28	11°51	12°54	10°53	S 23
M24	4 11 54	1°52'41	24°44	23°23	18°39	2°48	8°56	18°15	13°33	29°32	3°18	13°20	11°48	13° 1	10°49	M24
T 25	4 15 50	2°53'32	9♑12	24°17	19°44	2°40	9° 0	18°15	13°36	29°34	3°17	13°11	11°45	13° 8	10°46	T 25
W26	4 19 47	3°54'23	23°42	25° 6	20°48	2°33	9° 5	18°16	13°40	29°37	3°16	13° 4	11°42	13°15	10°42	W26
T 27	4 23 43	4°55'16	8♒ 9	25°49	21°53	2°27	9° 9	18°16	13°44	29°39	3°15	12°59	11°39	13°21	10°38	T 27
F 28	4 27 40	5°56'09	22°28	26°27	22°57	2°22	9°14	18°17	13°47	29°41	3°14	12°56	11°36	13°28	10°35	F 28
S 29	4 31 36	6°57'03	6♓35	26°57	24° 1	2°17	9°19	18°18	13°51	29°43	3°13	12°D55	11°32	13°35	10°31	S 29
S 30	4 35 33	7♐57'58	20♓31	27♐18	25♑ 5	2♉13	9♓24	18♓19	13♏54	29♏46	3♊12	12♎56	11♎29	13♌41	10♊27	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s25	9s17	3n56	20s 4	1s34	25s53	2s36	13n46	0s48	9s49	1s25	6s43	2s23	15s 9	0n22	18s19	1n38	9n11	11s57	5s37	5s 9	13n15	17n14	5s 5
S 2	14 44	5 10	2 58	20 32	1 40	25 58	2 38	13 42	0 45	9 49	1 25	6 43	2 23	15 11	0 22	18 19	1 38	9 11	11 57	5 38	5 8	13 14	17 13	5 6
M 3	15 3	0 47	1 50	20 58	1 45	26 3	2 39	13 39	0 41	9 49	1 24	6 44	2 23	15 12	0 22	18 20	1 38	9 10	11 58	5 38	5 7	13 12	17 13	5 6
T 4	15 22	3n38	0 36	21 24	1 50	26 7	2 41	13 35	0 38	9 49	1 24	6 45	2 23	15 13	0 22	18 20	1 38	9 10	11 58	5 38	5 5	13 11	17 12	5 6
W 5	15 41	7 48	0s40	21 49	1 55	26 10	2 43	13 32	0 34	9 48	1 24	6 45	2 23	15 14	0 22	18 21	1 38	9 10	11 58	5 38	5 4	13 9	17 11	5 7
T 6	15 59	11 30	1 52	22 12	2 0	26 13	2 44	13 29	0 31	9 48	1 24	6 46	2 22	15 15	0 22	18 21	1 38	9 10	11 58	5 38	5 3	13 8	17 11	5 7
F 7	16 17	14 33	2 56	22 35	2 5	26 14	2 45	13 25	0 27	9 47	1 24	6 46	2 22	15 16	0 22	18 22	1 38	9 9	11 58	5 37	5 2	13 7	17 10	5 7
S 8	16 34	16 46	3 50	22 56	2 9	26 15	2 47	13 22	0 24	9 47	1 23	6 46	2 22	15 17	0 22	18 22	1 38	9 9	11 58	5 35	5 0	13 5	17 9	5 8
S 9	16 52	18 5	4 31	23 16	2 13	26 16	2 48	13 19	0 21	9 46	1 23	6 47	2 22	15 19	0 22	18 23	1 38	9 9	11 58	5 33	4 59	13 4	17 8	5 8
M10	17 9	18 29	4 58	23 35	2 16	26 15	2 49	13 16	0 17	9 46	1 23	6 47	2 22	15 20	0 22	18 23	1 38	9 9	11 58	5 30	4 58	13 2	17 8	5 8
T 11	17 26	18 0	5 10	23 53	2 20	26 14	2 50	13 13	0 14	9 45	1 23	6 47	2 22	15 21	0 22	18 24	1 37	9 9	11 58	5 28	4 57	13 1	17 7	5 9
W12	17 42	16 41	5 8	24 10	2 23	26 13	2 50	13 11	0 11	9 44	1 22	6 48	2 21	15 22	0 22	18 24	1 37	9 8	11 58	5 26	4 55	13 0	17 6	5 9
T 13	17 58	14 40	4 53	24 25	2 25	26 10	2 51	13 8	0 7	9 43	1 22	6 48	2 21	15 23	0 22	18 25	1 37	9 8	11 58	5 25	4 54	12 58	17 6	5 9
F 14	18 14	12 3	4 25	24 39	2 27	26 7	2 51	13 6	0 4	9 42	1 22	6 48	2 21	15 24	0 22	18 25	1 37	9 8	11 58	5 24	4 53	12 57	17 5	5 9
S 15	18 30	8 56	3 46	24 51	2 29	26 3	2 52	13 3	0 1	9 41	1 22	6 48	2 21	15 25	0 22	18 26	1 37	9 8	11 58	5 24	4 52	12 55	17 4	5 10
S 16	18 45	5 27	2 57	25 2	2 31	25 59	2 52	13 1	0n 2	9 40	1 21	6 48	2 21	15 27	0 22	18 26	1 37	9 7	11 58	5 25	4 50	12 54	17 4	5 10
M17	19 0	1 41	2 0	25 12	2 31	25 54	2 52	12 59	0 5	9 39	1 21	6 48	2 20	15 28	0 22	18 27	1 37	9 7	11 58	5 25	4 49	12 53	17 3	5 10
T 18	19 15	2s15	0 55	25 20	2 32	25 48	2 52	12 58	0 8	9 37	1 21	6 48	2 20	15 29	0 22	18 27	1 37	9 7	11 58	5 26	4 48	12 51	17 2	5 10
W19	19 29	6 10	0n13	25 27	2 31	25 41	2 52	12 56	0 11	9 36	1 21	6 48	2 20	15 30	0 22	18 28	1 37	9 7	11 58	5 26	4 47	12 50	17 1	5 10
T 20	19 43	9 55	1 23	25 32	2 30	25 34	2 52	12 55	0 14	9 34	1 21	6 48	2 20	15 31	0 22	18 28	1 37	9 7	11 58	5 26	4 46	12 48	17 1	5 11
F 21	19 56	13 16	2 29	25 36	2 28	25 26	2 52	12 54	0 17	9 33	1 20	6 48	2 20	15 32	0 22	18 29	1 37	9 6	11 58	5 24	4 44	12 47	17 0	5 11
S 22	20 9	15 58	3 29	25 38	2 26	25 18	2 51	12 53	0 20	9 31	1 20	6 48	2 19	15 33	0 22	18 29	1 37	9 6	11 58	5 22	4 43	12 46	16 59	5 11
S 23	20 22	17 48	4 18	25 38	2 23	25 9	2 50	12 52	0 22	9 30	1 20	6 47	2 19	15 34	0 22	18 30	1 37	9 6	11 58	5 19	4 42	12 44	16 59	5 11
M24	20 35	18 32	4 51	25 37	2 18	24 59	2 50	12 51	0 25	9 28	1 20	6 47	2 19	15 35	0 22	18 30	1 37	9 6	11 58	5 16	4 41	12 43	16 58	5 11
T 25	20 47	18 4	5 6	25 35	2 13	24 49	2 49	12 51	0 28	9 26	1 19	6 47	2 19	15 36	0 22	18 31	1 37	9 6	11 58	5 13	4 39	12 41	16 57	5 12
W26	20 58	16 27	5 2	25 31	2 7	24 38	2 48	12 51	0 30	9 24	1 19	6 46	2 19	15 37	0 22	18 31	1 37	9 6	11 58	5 10	4 38	12 40	16 57	5 12
T 27	21 9	13 47	4 38	25 25	2 0	24 26	2 46	12 51	0 33	9 22	1 19	6 46	2 18	15 39	0 22	18 32	1 37	9 5	11 58	5 8	4 37	12 38	16 56	5 12
F 28	21 20	10 19	3 57	25 17	1 51	24 14	2 45	12 52	0 35	9 20	1 19	6 46	2 18	15 40	0 22	18 32	1 37	9 5	11 58	5 7	4 36	12 37	16 55	5 12
S 29	21 31	6 17	3 2	25 9	1 42	24 2	2 43	12 52	0 37	9 18	1 18	6 45	2 18	15 41	0 22	18 33	1 37	9 5	11 58	5 7	4 34	12 36	16 55	5 12
S 30	21s41	1s58	1n57	24s58	1s31	23s48	2s42	12n53	0n40	9s16	1s18	6s45	2s18	15s42	0n22	18s33	1n37	9n 5	11s58	5s 7	4s33	12n34	16n54	5s12

Julian Day Number = 2321092.5, Delta T = 48.35 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'18, Lahiri = 18°52'19Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1642
geocentric

DECEMBER 1642 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 39 29	8♐58'53	4♈15	27♐31	26♑ 8	2°R10	9♓30	18♓20	13♏58	29♏48	3°R10	12♎57	11♎26	13♌48	10°R24	M 1
T 2	4 43 26	9°59'49	17°48	27°R35	27°11	2♉ 8	9°35	18°21	14° 1	29°50	3♊ 9	12°R57	11°23	13°55	10♊20	T 2
W 3	4 47 23	11° 0'46	1♉ 9	27°28	28°14	2° 7	9°41	18°22	14° 5	29°52	3° 8	12°55	11°20	14° 2	10°16	W 3
T 4	4 51 19	12° 1'44	14°20	27°10	29°17	2°D 6	9°47	18°23	14° 8	29°55	3° 7	12°51	11°17	14° 8	10°13	T 4
F 5	4 55 16	13° 2'42	27°20	26°40	0♒19	2° 7	9°53	18°24	14°11	29°57	3° 6	12°44	11°13	14°15	10° 9	F 5
S 6	4 59 12	14° 3'41	10♊ 9	25°59	1°20	2° 8	9°59	18°26	14°15	29°59	3° 5	12°35	11°10	14°22	10° 5	S 6
S 7	5 3 9	15° 4'41	22°46	25° 7	2°22	2°10	10° 6	18°28	14°18	0♐ 1	3° 4	12°23	11° 7	14°28	10° 2	S 7
M 8	5 7 5	16° 5'42	5♋11	24° 5	3°23	2°12	10°12	18°29	14°21	0° 3	3° 3	12°11	11° 4	14°35	9°58	M 8
T 9	5 11 2	17° 6'44	17°25	22°55	4°23	2°16	10°19	18°31	14°25	0° 6	3° 1	11°59	11° 1	14°42	9°54	T 9
W10	5 14 59	18° 7'47	29°28	21°37	5°23	2°20	10°26	18°33	14°28	0° 8	3° 0	11°48	10°57	14°48	9°51	W10
T 11	5 18 55	19° 8'50	11♌23	20°16	6°23	2°25	10°33	18°35	14°31	0°10	2°59	11°39	10°54	14°55	9°47	T 11
F 12	5 22 52	20° 9'54	23°13	18°53	7°22	2°30	10°40	18°37	14°35	0°12	2°58	11°33	10°51	15° 2	9°44	F 12
S 13	5 26 48	21°11'00	5♍ 2	17°31	8°21	2°36	10°48	18°39	14°38	0°14	2°57	11°29	10°48	15° 9	9°40	S 13
S 14	5 30 45	22°12'05	16°55	16°13	9°19	2°43	10°55	18°42	14°41	0°16	2°56	11°28	10°45	15°15	9°36	S 14
M15	5 34 41	23°13'12	28°58	15° 2	10°17	2°51	11° 3	18°44	14°44	0°18	2°55	11°D28	10°42	15°22	9°33	M15
T 16	5 38 38	24°14'20	11♎15	13°59	11°14	2°59	11°11	18°47	14°47	0°21	2°54	11°R28	10°38	15°29	9°29	T 16
W17	5 42 34	25°15'28	23°53	13° 6	12°11	3° 8	11°19	18°49	14°50	0°23	2°53	11°27	10°35	15°35	9°26	W17
T 18	5 46 31	26°16'37	6♏54	12°23	13° 7	3°18	11°27	18°52	14°53	0°25	2°52	11°25	10°32	15°42	9°22	T 18
F 19	5 50 28	27°17'47	20°23	11°51	14° 2	3°28	11°35	18°55	14°56	0°27	2°51	11°20	10°29	15°49	9°19	F 19
S 20	5 54 24	28°18'57	4♐21	11°30	14°57	3°39	11°44	18°58	14°59	0°29	2°50	11°12	10°26	15°55	9°15	S 20
S 21	5 58 21	29°20'08	18°44	11°19	15°52	3°51	11°52	19° 1	15° 2	0°31	2°49	11° 1	10°23	16° 2	9°12	S 21
M22	6 2 17	0♑21'19	3♑27	11°D18	16°45	4° 3	12° 1	19° 4	15° 5	0°33	2°48	10°50	10°19	16° 9	9° 9	M22
T 23	6 6 14	1°22'30	18°22	11°26	17°38	4°16	12°10	19° 7	15° 8	0°35	2°47	10°38	10°16	16°16	9° 5	T 23
W24	6 10 10	2°23'42	3♒20	11°42	18°31	4°29	12°19	19°11	15°11	0°37	2°46	10°27	10°13	16°22	9° 2	W24
T 25	6 14 7	3°24'53	18°11	12° 6	19°22	4°43	12°28	19°14	15°14	0°39	2°45	10°19	10°10	16°29	8°59	T 25
F 26	6 18 3	4°26'04	2♓49	12°38	20°13	4°57	12°38	19°18	15°17	0°41	2°44	10°13	10° 7	16°36	8°55	F 26
S 27	6 22 0	5°27'15	17° 9	13°15	21° 3	5°12	12°47	19°21	15°19	0°43	2°43	10°10	10° 3	16°42	8°52	S 27
S 28	6 25 57	6°28'26	1♈ 8	13°58	21°52	5°28	12°57	19°25	15°22	0°45	2°42	10°10	10° 0	16°49	8°49	S 28
M29	6 29 53	7°29'36	14°47	14°46	22°40	5°44	13° 6	19°29	15°25	0°47	2°41	10° 9	9°57	16°56	8°46	M29
T 30	6 33 50	8°30'47	28° 8	15°38	23°28	6° 0	13°16	19°32	15°27	0°49	2°40	10° 9	9°54	17° 2	8°43	T 30
W31	6 37 46	9♑31'56	11♉13	16♐35	24♒14	6♉17	13♓26	19♓36	15♏30	0♐50	2♊39	10♎ 6	9♎51	17♌ 9	8♊40	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s50	2n24	0n46	24s46	1s18	23s35	2s40	12n54	0n42	9s14	1s18	6s44	2s18	15s43	0n22	18s33	1n37	9n 5	11s58	5s 7	4s32	12n33	16n54	5s12
T 2	21 59	6 36	0s26	24 32	1 4	23 20	2 38	12 56	0 44	9 11	1 18	6 43	2 17	15 44	0 22	18 34	1 37	9 5	11 58	5 7	4 31	12 31	16 53	5 13
W 3	22 8	10 24	1 36	24 17	0 49	23 5	2 36	12 57	0 46	9 9	1 18	6 43	2 17	15 45	0 22	18 34	1 37	9 5	11 57	5 7	4 29	12 30	16 52	5 13
T 4	22 16	13 38	2 40	24 0	0 32	22 50	2 33	12 59	0 48	9 7	1 17	6 42	2 17	15 46	0 22	18 35	1 37	9 4	11 57	5 5	4 28	12 28	16 52	5 13
F 5	22 24	16 8	3 34	23 41	0 15	22 34	2 31	13 1	0 50	9 4	1 17	6 41	2 17	15 47	0 22	18 35	1 37	9 4	11 57	5 2	4 27	12 27	16 51	5 13
S 6	22 32	17 47	4 16	23 21	0n 4	22 18	2 28	13 3	0 52	9 1	1 17	6 41	2 17	15 48	0 22	18 36	1 37	9 4	11 57	4 59	4 26	12 26	16 50	5 13
S 7	22 39	18 32	4 45	23 0	0 24	22 1	2 25	13 6	0 54	8 59	1 17	6 40	2 16	15 49	0 22	18 36	1 37	9 4	11 57	4 54	4 24	12 24	16 50	5 13
M 8	22 45	18 23	5 0	22 37	0 44	21 44	2 22	13 8	0 56	8 56	1 17	6 39	2 16	15 50	0 22	18 37	1 37	9 4	11 57	4 49	4 23	12 23	16 49	5 13
T 9	22 51	17 22	5 1	22 13	1 4	21 27	2 19	13 11	0 58	8 53	1 16	6 38	2 16	15 51	0 22	18 37	1 37	9 4	11 57	4 45	4 22	12 21	16 49	5 13
W10	22 57	15 36	4 49	21 49	1 24	21 9	2 15	13 14	1 0	8 51	1 16	6 37	2 16	15 52	0 22	18 38	1 37	9 4	11 57	4 40	4 21	12 20	16 48	5 13
T 11	23 2	13 10	4 23	21 25	1 43	20 50	2 12	13 17	1 1	8 48	1 16	6 36	2 16	15 53	0 22	18 38	1 37	9 4	11 57	4 37	4 19	12 18	16 48	5 13
F 12	23 7	10 14	3 47	21 1	2 0	20 31	2 8	13 21	1 3	8 45	1 16	6 35	2 15	15 54	0 22	18 38	1 38	9 4	11 57	4 34	4 18	12 17	16 47	5 13
S 13	23 11	6 53	3 1	20 38	2 16	20 12	2 4	13 24	1 4	8 42	1 16	6 34	2 15	15 55	0 22	18 39	1 38	9 3	11 57	4 33	4 17	12 15	16 47	5 13
S 14	23 15	3 14	2 7	20 18	2 29	19 53	1 59	13 28	1 6	8 39	1 15	6 33	2 15	15 56	0 22	18 39	1 38	9 3	11 56	4 32	4 16	12 14	16 46	5 13
M15	23 19	0s36	1 6	19 59	2 40	19 33	1 55	13 32	1 7	8 36	1 15	6 32	2 15	15 56	0 22	18 40	1 38	9 3	11 56	4 32	4 14	12 12	16 45	5 13
T 16	23 21	4 29	0 1	19 43	2 49	19 12	1 50	13 37	1 9	8 32	1 15	6 31	2 15	15 57	0 22	18 40	1 38	9 3	11 56	4 33	4 13	12 11	16 45	5 13
W17	23 24	8 16	1n 5	19 31	2 55	18 52	1 46	13 41	1 10	8 29	1 15	6 29	2 14	15 58	0 22	18 41	1 38	9 3	11 56	4 32	4 12	12 10	16 44	5 13
T 18	23 26	11 47	2 11	19 21	3 0	18 31	1 41	13 46	1 12	8 26	1 15	6 28	2 14	15 59	0 22	18 41	1 38	9 3	11 56	4 31	4 11	12 8	16 44	5 13
F 19	23 27	14 49	3 11	19 15	3 2	18 10	1 35	13 50	1 13	8 22	1 14	6 27	2 14	16 0	0 22	18 41	1 38	9 3	11 56	4 29	4 9	12 7	16 43	5 13
S 20	23 28	17 6	4 1	19 12	3 2	17 49	1 30	13 55	1 14	8 19	1 14	6 25	2 14	16 1	0 22	18 42	1 38	9 3	11 56	4 26	4 8	12 5	16 43	5 13
S 21	23 29	18 23	4 38	19 12	3 0	17 27	1 24	14 0	1 15	8 16	1 14	6 24	2 14	16 2	0 22	18 42	1 38	9 3	11 55	4 22	4 7	12 4	16 43	5 13
M22	23 29	18 28	4 58	19 15	2 57	17 5	1 18	14 6	1 17	8 12	1 14	6 23	2 13	16 3	0 22	18 43	1 38	9 3	11 55	4 18	4 6	12 2	16 42	5 13
T 23	23 29	17 18	4 58	19 20	2 53	16 43	1 12	14 11	1 18	8 9	1 14	6 21	2 13	16 3	0 22	18 43	1 38	9 3	11 55	4 13	4 4	12 1	16 42	5 13
W24	23 28	14 57	4 37	19 28	2 48	16 21	1 6	14 16	1 19	8 5	1 13	6 20	2 13	16 4	0 22	18 43	1 38	9 3	11 55	4 9	4 3	11 59	16 41	5 13
T 25	23 26	11 38	3 58	19 37	2 42	15 59	0 59	14 22	1 20	8 1	1 13	6 18	2 13	16 5	0 22	18 44	1 38	9 3	11 55	4 5	4 2	11 58	16 41	5 13
F 26	23 25	7 38	3 4	19 47	2 35	15 36	0 53	14 28	1 21	7 57	1 13	6 17	2 13	16 6	0 22	18 44	1 38	9 3	11 55	4 3	4 1	11 56	16 40	5 13
S 27	23 22	3 16	1 58	19 59	2 28	15 14	0 46	14 34	1 22	7 54	1 13	6 15	2 12	16 7	0 22	18 45	1 38	9 3	11 54	4 2	3 59	11 55	16 40	5 13
S 28	23 19	1n11	0 48	20 12	2 20	14 51	0 38	14 40	1 23	7 50	1 13	6 13	2 12	16 8	0 22	18 45	1 38	9 3	11 54	4 2	3 58	11 53	16 40	5 13
M29	23 16	5 28	0s24	20 26	2 12	14 28	0 31	14 46	1 24	7 46	1 12	6 12	2 12	16 8	0 22	18 45	1 38	9 3	11 54	4 2	3 57	11 52	16 39	5 13
T 30	23 13	9 22	1 33	20 40	2 3	14 5	0 23	14 53	1 25	7 42	1 12	6 10	2 12	16 9	0 22	18 46	1 38	9 3	11 54	4 2	3 56	11 50	16 39	5 13
W31	23s 8	12n45	2s36	20s54	1n55	13s42	0s15	14n59	1n26	7s38	1s12	6s 8	2s12	16s10	0n22	18s46	1n38	9n 3	11s54	4s 1	3s54	11n49	16n38	5s12

Julian Day Number = 2321122.5, Delta T = 48.29 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'22, Lahiri = 18°52'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

JANUARY 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 41 43	10♑33'06	24♉ 5	17♐35	24♒59	6♉35	13♓36	19♓41	15♏32	0♐52	2°R38	10°R 1	9♎48	17♌16	8°R37	T 1
F 2	6 45 39	11°34'15	6♊45	18°37	25°44	6°53	13°46	19°45	15°35	0°54	2♊38	9♎52	9°44	17°22	8♊34	F 2
S 3	6 49 36	12°35'24	19°15	19°43	26°27	7°11	13°57	19°49	15°37	0°56	2°37	9°41	9°41	17°29	8°31	S 3
S 4	6 53 32	13°36'32	1♋36	20°51	27° 9	7°30	14° 7	19°53	15°40	0°58	2°36	9°27	9°38	17°36	8°28	S 4
M 5	6 57 29	14°37'41	13°49	22° 2	27°50	7°49	14°18	19°58	15°42	1° 0	2°35	9°13	9°35	17°43	8°26	M 5
T 6	7 1 26	15°38'49	25°53	23°14	28°30	8° 9	14°28	20° 2	15°44	1° 1	2°34	8°58	9°32	17°49	8°23	T 6
W 7	7 5 22	16°39'56	7♌51	24°29	29° 8	8°29	14°39	20° 7	15°47	1° 3	2°33	8°45	9°29	17°56	8°20	W 7
T 8	7 9 19	17°41'03	19°43	25°45	29°46	8°49	14°50	20°11	15°49	1° 5	2°33	8°33	9°25	18° 3	8°18	T 8
F 9	7 13 15	18°42'10	1♍32	27° 2	0♓21	9°10	15° 1	20°16	15°51	1° 6	2°32	8°25	9°22	18° 9	8°15	F 9
S 10	7 17 12	19°43'17	13°21	28°21	0°56	9°31	15°12	20°21	15°53	1° 8	2°31	8°20	9°19	18°16	8°13	S 10
S 11	7 21 8	20°44'24	25°13	29°41	1°29	9°53	15°23	20°26	15°55	1°10	2°31	8°17	9°16	18°23	8°10	S 11
M12	7 25 5	21°45'30	7♎13	1♑ 2	2° 0	10°15	15°34	20°31	15°57	1°11	2°30	8°D17	9°13	18°29	8° 8	M12
T 13	7 29 1	22°46'36	19°27	2°24	2°30	10°37	15°46	20°36	15°59	1°13	2°29	8°R17	9° 9	18°36	8° 5	T 13
W14	7 32 58	23°47'41	1♏59	3°48	2°58	11° 0	15°57	20°41	16° 1	1°14	2°28	8°17	9° 6	18°43	8° 3	W14
T 15	7 36 55	24°48'46	14°55	5°12	3°25	11°23	16° 9	20°46	16° 3	1°16	2°28	8°15	9° 3	18°49	8° 1	T 15
F 16	7 40 51	25°49'51	28°19	6°37	3°50	11°46	16°21	20°51	16° 5	1°17	2°27	8°11	9° 0	18°56	7°59	F 16
S 17	7 44 48	26°50'56	12♐13	8° 3	4°13	12°10	16°32	20°56	16° 7	1°19	2°27	8° 4	8°57	19° 3	7°57	S 17
S 18	7 48 44	27°52'00	26°37	9°30	4°34	12°34	16°44	21° 2	16° 9	1°20	2°26	7°55	8°54	19°10	7°55	S 18
M19	7 52 41	28°53'03	11♑27	10°57	4°53	12°58	16°56	21° 7	16°11	1°22	2°25	7°45	8°50	19°16	7°53	M19
T 20	7 56 37	29°54'06	26°35	12°25	5°10	13°23	17° 8	21°13	16°12	1°23	2°25	7°34	8°47	19°23	7°51	T 20
W21	8 0 34	0♒55'08	11♒50	13°54	5°25	13°47	17°20	21°18	16°14	1°25	2°24	7°24	8°44	19°30	7°49	W21
T 22	8 4 30	1°56'09	27° 3	15°24	5°38	14°13	17°33	21°24	16°15	1°26	2°24	7°16	8°41	19°36	7°48	T 22
F 23	8 8 27	2°57'09	12♓ 2	16°55	5°48	14°38	17°45	21°30	16°17	1°27	2°23	7°11	8°38	19°43	7°46	F 23
S 24	8 12 24	3°58'07	26°40	18°26	5°57	15° 4	17°57	21°35	16°18	1°29	2°23	7° 9	8°35	19°50	7°45	S 24
S 25	8 16 20	4°59'04	10♈53	19°58	6° 3	15°30	18°10	21°41	16°20	1°30	2°22	7°D 9	8°31	19°56	7°43	S 25
M26	8 20 17	6° 0'00	24°41	21°30	6° 6	15°56	18°22	21°47	16°21	1°31	2°22	7° 9	8°28	20° 3	7°42	M26
T 27	8 24 13	7° 0'55	8♉ 5	23° 3	6°R 8	16°22	18°35	21°53	16°22	1°32	2°21	7°R10	8°25	20°10	7°40	T 27
W28	8 28 10	8° 1'49	21° 6	24°37	6° 6	16°49	18°48	21°59	16°24	1°33	2°21	7° 9	8°22	20°16	7°39	W28
T 29	8 32 6	9° 2'41	3♊50	26°12	6° 3	17°16	19° 0	22° 5	16°25	1°35	2°21	7° 6	8°19	20°23	7°38	T 29
F 30	8 36 3	10° 3'31	16°19	27°47	5°56	17°43	19°13	22°11	16°26	1°36	2°20	7° 0	8°15	20°30	7°37	F 30
S 31	8 39 59	11♒ 4'20	28♊36	29♑23	5♓47	18♉10	19♓26	22♓18	16♏27	1♐37	2♊20	6♎52	8♎12	20♌37	7♊36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 4	15n26	3s30	21s 8	1n46	13s19	0s 7	15n 6	1n26	7s34	1s12	6s 7	2s12	16s11	0n22	18s46	1n38	9n 3	11s54	3s58	3s53	11n47	16n38	5s12
F 2	22 59	17 20	4 12	21 23	1 37	12 57	0n 2	15 12	1 27	7 30	1 12	6 5	2 11	16 11	0 22	18 47	1 38	9 3	11 53	3 55	3 52	11 46	16 38	5 12
S 3	22 53	18 23	4 41	21 37	1 28	12 34	0 10	15 19	1 28	7 26	1 12	6 3	2 11	16 12	0 22	18 47	1 38	9 3	11 53	3 51	3 51	11 45	16 38	5 12
S 4	22 47	18 32	4 57	21 51	1 19	12 11	0 19	15 26	1 29	7 22	1 12	6 1	2 11	16 13	0 22	18 47	1 38	9 3	11 53	3 45	3 49	11 43	16 37	5 12
M 5	22 41	17 49	4 59	22 4	1 11	11 48	0 28	15 33	1 29	7 17	1 11	5 59	2 11	16 13	0 22	18 48	1 38	9 3	11 53	3 39	3 48	11 42	16 37	5 12
T 6	22 34	16 18	4 47	22 17	1 2	11 26	0 38	15 40	1 30	7 13	1 11	5 57	2 11	16 14	0 22	18 48	1 38	9 3	11 53	3 34	3 47	11 40	16 37	5 12
W 7	22 27	14 6	4 22	22 29	0 53	11 3	0 48	15 47	1 31	7 9	1 11	5 55	2 10	16 15	0 22	18 48	1 38	9 3	11 52	3 28	3 46	11 39	16 36	5 12
T 8	22 19	11 20	3 47	22 41	0 44	10 41	0 58	15 54	1 31	7 4	1 11	5 53	2 10	16 15	0 22	18 49	1 38	9 3	11 52	3 24	3 44	11 37	16 36	5 11
F 9	22 11	8 7	3 1	22 51	0 36	10 18	1 8	16 2	1 32	7 0	1 11	5 51	2 10	16 16	0 22	18 49	1 38	9 4	11 52	3 21	3 43	11 36	16 36	5 11
S 10	22 2	4 35	2 8	23 1	0 27	9 57	1 18	16 9	1 33	6 56	1 11	5 49	2 10	16 17	0 22	18 49	1 38	9 4	11 52	3 19	3 42	11 34	16 36	5 11
S 11	21 53	0 51	1 9	23 10	0 19	9 35	1 29	16 17	1 33	6 51	1 10	5 47	2 10	16 17	0 22	18 50	1 38	9 4	11 51	3 18	3 41	11 33	16 36	5 11
M12	21 43	2s57	0 6	23 18	0 11	9 13	1 40	16 24	1 34	6 47	1 10	5 45	2 10	16 18	0 22	18 50	1 38	9 4	11 51	3 17	3 39	11 31	16 35	5 11
T 13	21 33	6 43	0n59	23 25	0 2	8 52	1 51	16 32	1 34	6 42	1 10	5 43	2 10	16 18	0 22	18 50	1 38	9 4	11 51	3 17	3 38	11 30	16 35	5 10
W14	21 23	10 16	2 2	23 31	0s 5	8 31	2 3	16 39	1 35	6 37	1 10	5 41	2 9	16 19	0 22	18 50	1 38	9 4	11 51	3 17	3 37	11 28	16 35	5 10
T 15	21 12	13 27	3 2	23 36	0 13	8 11	2 15	16 47	1 35	6 33	1 10	5 39	2 9	16 19	0 22	18 51	1 38	9 4	11 50	3 17	3 36	11 27	16 35	5 10
F 16	21 1	16 2	3 53	23 40	0 21	7 51	2 27	16 55	1 36	6 28	1 10	5 37	2 9	16 20	0 22	18 51	1 39	9 4	11 50	3 15	3 34	11 25	16 35	5 10
S 17	20 50	17 48	4 33	23 42	0 28	7 31	2 39	17 2	1 36	6 23	1 10	5 34	2 9	16 20	0 22	18 51	1 39	9 4	11 50	3 12	3 33	11 24	16 35	5 10
S 18	20 38	18 30	4 57	23 44	0 35	7 12	2 51	17 10	1 37	6 19	1 9	5 32	2 9	16 21	0 22	18 51	1 39	9 4	11 50	3 9	3 32	11 22	16 35	5 9
M19	20 25	17 59	5 2	23 44	0 42	6 53	3 4	17 18	1 37	6 14	1 9	5 30	2 9	16 21	0 22	18 52	1 39	9 5	11 49	3 5	3 31	11 21	16 35	5 9
T 20	20 12	16 12	4 46	23 43	0 49	6 35	3 17	17 26	1 37	6 9	1 9	5 28	2 9	16 22	0 22	18 52	1 39	9 5	11 49	3 0	3 29	11 19	16 34	5 9
W21	19 59	13 16	4 10	23 40	0 55	6 17	3 30	17 34	1 38	6 4	1 9	5 25	2 8	16 22	0 22	18 52	1 39	9 5	11 49	2 57	3 28	11 18	16 34	5 9
T 22	19 46	9 26	3 16	23 37	1 2	6 0	3 43	17 41	1 38	5 59	1 9	5 23	2 8	16 23	0 22	18 52	1 39	9 5	11 49	2 54	3 27	11 16	16 34	5 9
F 23	19 32	5 4	2 10	23 32	1 8	5 44	3 57	17 49	1 38	5 54	1 9	5 20	2 8	16 23	0 22	18 53	1 39	9 5	11 48	2 52	3 26	11 14	16 34	5 8
S 24	19 18	0 29	0 56	23 25	1 13	5 28	4 10	17 57	1 39	5 49	1 9	5 18	2 8	16 24	0 22	18 53	1 39	9 5	11 48	2 51	3 24	11 13	16 34	5 8
S 25	19 3	4n 1	0s20	23 18	1 19	5 13	4 24	18 5	1 39	5 44	1 9	5 16	2 8	16 24	0 22	18 53	1 39	9 6	11 48	2 50	3 23	11 11	16 34	5 8
M26	18 48	8 9	1 32	23 9	1 24	4 59	4 38	18 13	1 39	5 39	1 9	5 13	2 8	16 24	0 22	18 53	1 39	9 6	11 48	2 51	3 22	11 10	16 34	5 8
T 27	18 33	11 44	2 37	22 58	1 29	4 46	4 52	18 21	1 40	5 34	1 8	5 11	2 8	16 25	0 22	18 53	1 39	9 6	11 47	2 51	3 21	11 8	16 34	5 7
W28	18 18	14 39	3 33	22 47	1 34	4 33	5 6	18 29	1 40	5 29	1 8	5 8	2 8	16 25	0 22	18 54	1 39	9 6	11 47	2 50	3 19	11 7	16 34	5 7
T 29	18 2	16 46	4 16	22 33	1 38	4 21	5 19	18 37	1 40	5 24	1 8	5 6	2 7	16 25	0 22	18 54	1 39	9 6	11 47	2 49	3 18	11 5	16 35	5 7
F 30	17 45	18 2	4 46	22 19	1 42	4 11	5 33	18 45	1 40	5 19	1 8	5 3	2 7	16 26	0 22	18 54	1 39	9 7	11 47	2 47	3 17	11 4	16 35	5 7
S 31	17s29	18n27	5s 2	22s 3	1s46	4s 1	5n47	18n53	1n40	5s14	1s 8	5s 1	2s 7	16s26	0n22	18s54	1n39	9n 7	11s46	2s44	3s16	11n 2	16n35	5s 6

Julian Day Number = 2321153.5, Delta T = 48.23 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'27, Lahiri = 18°52'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

FEBRUARY 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 43 56	12♒ 5'08	10♋45	1♒ 0	5°R36	18♉38	19♓39	22♓24	16♏28	1♐38	2°R20	6°R42	8♎ 9	20♌43	7°R35	S 1
M 2	8 47 53	13° 5'55	22°46	2°38	5♓22	19° 6	19°52	22°30	16°29	1°39	2♊19	6♎31	8° 6	20°50	7♊34	M 2
T 3	8 51 49	14° 6'40	4♌43	4°16	5° 5	19°34	20° 5	22°37	16°30	1°40	2°19	6°21	8° 3	20°57	7°33	T 3
W 4	8 55 46	15° 7'23	16°35	5°55	4°47	20° 2	20°19	22°43	16°31	1°41	2°19	6°11	8° 0	21° 3	7°32	W 4
T 5	8 59 42	16° 8'06	28°25	7°35	4°25	20°30	20°32	22°49	16°32	1°42	2°19	6° 3	7°56	21°10	7°32	T 5
F 6	9 3 39	17° 8'47	10♍15	9°16	4° 2	20°59	20°45	22°56	16°33	1°42	2°18	5°57	7°53	21°17	7°31	F 6
S 7	9 7 35	18° 9'27	22° 6	10°58	3°36	21°28	20°58	23° 2	16°33	1°43	2°18	5°54	7°50	21°23	7°31	S 7
S 8	9 11 32	19°10'05	4♎ 2	12°40	3° 8	21°57	21°12	23° 9	16°34	1°44	2°18	5°D52	7°47	21°30	7°30	S 8
M 9	9 15 28	20°10'42	16° 5	14°24	2°39	22°26	21°25	23°16	16°35	1°45	2°18	5°53	7°44	21°37	7°30	M 9
T 10	9 19 25	21°11'18	28°20	16° 8	2° 7	22°55	21°39	23°22	16°35	1°46	2°18	5°54	7°40	21°43	7°30	T 10
W11	9 23 22	22°11'53	10♏51	17°53	1°34	23°24	21°52	23°29	16°36	1°46	2°18	5°56	7°37	21°50	7°29	W11
T 12	9 27 18	23°12'27	23°43	19°39	1° 0	23°54	22° 6	23°36	16°36	1°47	2°18	5°R56	7°34	21°57	7°29	T 12
F 13	9 31 15	24°12'59	6♐59	21°26	0°25	24°24	22°20	23°43	16°37	1°48	2°18	5°55	7°31	22° 3	7°D29	F 13
S 14	9 35 11	25°13'30	20°43	23°13	29♒48	24°54	22°33	23°49	16°37	1°48	2°18	5°53	7°28	22°10	7°29	S 14
S 15	9 39 8	26°14'00	4♑56	25° 2	29°11	25°24	22°47	23°56	16°37	1°49	2°D18	5°49	7°25	22°17	7°30	S 15
M16	9 43 4	27°14'29	19°35	26°52	28°34	25°54	23° 1	24° 3	16°37	1°50	2°18	5°43	7°21	22°23	7°30	M16
T 17	9 47 1	28°14'56	4♒36	28°42	27°57	26°24	23°15	24°10	16°38	1°50	2°18	5°37	7°18	22°30	7°30	T 17
W18	9 50 57	29°15'21	19°50	0♓33	27°19	26°55	23°29	24°17	16°38	1°51	2°18	5°32	7°15	22°37	7°30	W18
T 19	9 54 54	0♓15'45	5♓ 6	2°25	26°42	27°26	23°43	24°24	16°38	1°51	2°18	5°27	7°12	22°44	7°31	T 19
F 20	9 58 51	1°16'07	20°15	4°18	26° 6	27°56	23°57	24°31	16°R38	1°51	2°18	5°25	7° 9	22°50	7°31	F 20
S 21	10 2 47	2°16'27	5♈ 7	6°11	25°30	28°27	24°11	24°38	16°38	1°52	2°18	5°D24	7° 6	22°57	7°32	S 21
S 22	10 6 44	3°16'45	19°35	8° 5	24°56	28°58	24°25	24°45	16°38	1°52	2°18	5°25	7° 2	23° 4	7°33	S 22
M23	10 10 40	4°17'02	3♉36	10° 0	24°23	29°30	24°39	24°53	16°37	1°53	2°18	5°26	6°59	23°10	7°34	M23
T 24	10 14 37	5°17'16	17°10	11°55	23°51	0♊ 1	24°53	25° 0	16°37	1°53	2°18	5°28	6°56	23°17	7°34	T 24
W25	10 18 33	6°17'28	0♊19	13°50	23°21	0°32	25° 7	25° 7	16°37	1°53	2°19	5°R29	6°53	23°24	7°35	W25
T 26	10 22 30	7°17'38	13° 5	15°45	22°53	1° 4	25°21	25°14	16°37	1°53	2°19	5°29	6°50	23°30	7°36	T 26
F 27	10 26 26	8°17'47	25°32	17°39	22°26	1°36	25°36	25°21	16°36	1°53	2°19	5°27	6°46	23°37	7°37	F 27
S 28	10 30 23	9♓17'52	7♋45	19♓34	22♒ 2	2♊ 7	25♓50	25♓29	16♏36	1♐54	2♊19	5♎25	6♎43	23♌44	7♊39	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17s12	17n59	5s 4	21s45	1s50	3s53	6n 1	19n 1	1n41	5s 9	1s 8	4s58	2s 7	16s26	0n22	18s54	1n39	9n 7	11s46	2s40	3s14	11n 1	16n35	5s 6	S 1
M 2	16 55	16 44	4 53	21 26	1 53	3 45	6 14	19 9	1 41	5 3	1 8	4 55	2 7	16 27	0 22	18 54	1 39	9 7	11 46	2 36	3 13	10 59	16 35	5 6	M 2
T 3	16 38	14 46	4 29	21 6	1 56	3 39	6 28	19 17	1 41	4 58	1 8	4 53	2 7	16 27	0 22	18 55	1 39	9 7	11 46	2 31	3 12	10 58	16 35	5 6	T 3
W 4	16 20	12 11	3 53	20 44	1 58	3 34	6 40	19 24	1 41	4 53	1 8	4 50	2 7	16 27	0 22	18 55	1 39	9 8	11 45	2 28	3 11	10 56	16 35	5 5	W 4
T 5	16 2	9 6	3 8	20 21	2 0	3 29	6 53	19 32	1 41	4 48	1 8	4 48	2 7	16 27	0 22	18 55	1 39	9 8	11 45	2 24	3 9	10 55	16 35	5 5	T 5
F 6	15 44	5 40	2 14	19 56	2 2	3 26	7 5	19 40	1 41	4 42	1 7	4 45	2 7	16 28	0 22	18 55	1 39	9 8	11 45	2 22	3 8	10 53	16 36	5 5	F 6
S 7	15 25	2 1	1 14	19 29	2 4	3 25	7 17	19 48	1 42	4 37	1 7	4 42	2 7	16 28	0 22	18 55	1 40	9 8	11 44	2 21	3 7	10 52	16 36	5 4	S 7
S 8	15 6	1s45	0 10	19 2	2 5	3 24	7 28	19 55	1 42	4 32	1 7	4 40	2 6	16 28	0 22	18 55	1 40	9 9	11 44	2 20	3 6	10 50	16 36	5 4	S 8
M 9	14 47	5 29	0n55	18 32	2 5	3 25	7 39	20 3	1 42	4 26	1 7	4 37	2 6	16 28	0 22	18 55	1 40	9 9	11 44	2 20	3 4	10 49	16 36	5 4	M 9
T 10	14 28	9 3	1 59	18 1	2 5	3 26	7 49	20 11	1 42	4 21	1 7	4 34	2 6	16 28	0 22	18 55	1 40	9 9	11 44	2 21	3 3	10 47	16 36	5 4	T 10
W11	14 8	12 17	2 58	17 29	2 5	3 29	7 58	20 18	1 42	4 15	1 7	4 31	2 6	16 28	0 22	18 56	1 40	9 9	11 43	2 22	3 2	10 45	16 37	5 3	W11
T 12	13 48	15 1	3 50	16 55	2 4	3 33	8 6	20 26	1 42	4 10	1 7	4 29	2 6	16 28	0 22	18 56	1 40	9 10	11 43	2 22	3 1	10 44	16 37	5 3	T 12
F 13	13 28	17 3	4 32	16 20	2 3	3 38	8 14	20 33	1 42	4 4	1 7	4 26	2 6	16 29	0 22	18 56	1 40	9 10	11 43	2 21	2 59	10 42	16 37	5 3	F 13
S 14	13 8	18 10	5 0	15 43	2 2	3 44	8 21	20 41	1 42	3 59	1 7	4 23	2 6	16 29	0 22	18 56	1 40	9 10	11 42	2 20	2 58	10 41	16 38	5 2	S 14
S 15	12 48	18 13	5 11	15 5	1 59	3 52	8 26	20 48	1 42	3 53	1 7	4 20	2 6	16 29	0 22	18 56	1 40	9 10	11 42	2 19	2 57	10 39	16 38	5 2	S 15
M16	12 27	17 4	5 2	14 25	1 57	4 0	8 31	20 55	1 42	3 48	1 7	4 17	2 6	16 29	0 22	18 56	1 40	9 11	11 42	2 17	2 55	10 38	16 38	5 2	M16
T 17	12 6	14 45	4 32	13 43	1 54	4 8	8 35	21 3	1 42	3 42	1 7	4 15	2 6	16 29	0 22	18 56	1 40	9 11	11 42	2 14	2 54	10 36	16 38	5 2	T 17
W18	11 45	11 22	3 43	13 1	1 50	4 18	8 38	21 10	1 42	3 37	1 7	4 12	2 6	16 29	0 22	18 56	1 40	9 11	11 41	2 12	2 53	10 35	16 39	5 1	W18
T 19	11 24	7 13	2 38	12 17	1 46	4 29	8 40	21 17	1 43	3 31	1 7	4 9	2 6	16 29	0 22	18 56	1 40	9 12	11 41	2 10	2 52	10 33	16 39	5 1	T 19
F 20	11 3	2 37	1 22	11 31	1 41	4 40	8 41	21 24	1 43	3 26	1 6	4 6	2 6	16 29	0 22	18 56	1 40	9 12	11 41	2 9	2 50	10 32	16 40	5 1	F 20
S 21	10 41	2n 4	0 2	10 44	1 36	4 51	8 41	21 31	1 43	3 20	1 6	4 3	2 6	16 29	0 22	18 56	1 40	9 12	11 40	2 9	2 49	10 30	16 40	5 0	S 21
S 22	10 19	6 29	1s17	9 56	1 30	5 3	8 40	21 38	1 43	3 14	1 6	4 0	2 6	16 29	0 22	18 56	1 40	9 12	11 40	2 9	2 48	10 28	16 40	5 0	S 22
M23	9 57	10 25	2 28	9 7	1 23	5 16	8 38	21 45	1 43	3 9	1 6	3 58	2 6	16 29	0 22	18 56	1 40	9 13	11 40	2 10	2 47	10 27	16 41	5 0	M23
T 24	9 35	13 39	3 29	8 17	1 16	5 28	8 36	21 52	1 43	3 3	1 6	3 55	2 5	16 29	0 22	18 56	1 40	9 13	11 40	2 10	2 45	10 25	16 41	5 0	T 24
W25	9 13	16 4	4 17	7 25	1 8	5 41	8 32	21 58	1 43	2 57	1 6	3 52	2 5	16 29	0 22	18 56	1 40	9 13	11 39	2 11	2 44	10 24	16 42	4 59	W25
T 26	8 51	17 36	4 50	6 33	1 0	5 55	8 28	22 5	1 42	2 52	1 6	3 49	2 5	16 28	0 22	18 56	1 41	9 14	11 39	2 11	2 43	10 22	16 42	4 59	T 26
F 27	8 28	18 15	5 9	5 40	0 51	6 8	8 22	22 11	1 42	2 46	1 6	3 46	2 5	16 28	0 22	18 56	1 41	9 14	11 39	2 10	2 42	10 21	16 43	4 59	F 27
S 28	8s 6	18n 2	5s14	4s46	0s41	6s21	8n17	22n18	1n42	2s40	1s 6	3s43	2s 5	16s28	0n22	18s56	1n41	9n14	11s38	2s 9	2s40	10n19	16n43	4s58	S 28

Julian Day Number = 2321184.5, Delta T = 48.17 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'31, Lahiri = 18°52'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

MARCH 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 34 20	10♓17'56	19♋47	21♓27	21°R40	2♊39	26♓ 4	25♓36	16°R35	1♐54	2♊20	5°R21	6♎40	23♌50	7♊40	S 1
M 2	10 38 16	11°17'58	1♌42	23°19	21♒21	3°11	26°18	25°43	16♏35	1°54	2°20	5♎17	6°37	23°57	7°41	M 2
T 3	10 42 13	12°17'58	13°33	25°10	21° 4	3°43	26°33	25°51	16°34	1°54	2°20	5°13	6°34	24° 4	7°42	T 3
W 4	10 46 9	13°17'55	25°22	26°59	20°49	4°16	26°47	25°58	16°34	1°R54	2°21	5° 9	6°31	24°10	7°44	W 4
T 5	10 50 6	14°17'51	7♍13	28°46	20°37	4°48	27° 1	26° 5	16°33	1°54	2°21	5° 6	6°27	24°17	7°45	T 5
F 6	10 54 2	15°17'44	19° 6	0♈30	20°27	5°20	27°16	26°13	16°32	1°54	2°22	5° 5	6°24	24°24	7°47	F 6
S 7	10 57 59	16°17'36	1♎ 4	2°10	20°19	5°53	27°30	26°20	16°31	1°54	2°22	5°D 4	6°21	24°30	7°49	S 7
S 8	11 1 55	17°17'26	13° 9	3°47	20°14	6°25	27°45	26°27	16°31	1°54	2°22	5° 4	6°18	24°37	7°51	S 8
M 9	11 5 52	18°17'14	25°23	5°19	20°D12	6°58	27°59	26°35	16°30	1°53	2°23	5° 5	6°15	24°44	7°52	M 9
T 10	11 9 48	19°17'00	7♏48	6°47	20°12	7°31	28°14	26°42	16°29	1°53	2°23	5° 6	6°11	24°50	7°54	T 10
W11	11 13 45	20°16'44	20°27	8° 9	20°14	8° 4	28°28	26°50	16°28	1°53	2°24	5° 7	6° 8	24°57	7°56	W11
T 12	11 17 42	21°16'27	3♐23	9°26	20°19	8°36	28°43	26°57	16°27	1°53	2°24	5° 8	6° 5	25° 4	7°58	T 12
F 13	11 21 38	22°16'08	16°38	10°36	20°26	9° 9	28°57	27° 5	16°26	1°53	2°25	5°R 9	6° 2	25°11	8° 0	F 13
S 14	11 25 35	23°15'47	0♑15	11°39	20°36	9°42	29°12	27°12	16°24	1°52	2°26	5° 9	5°59	25°17	8° 3	S 14
S 15	11 29 31	24°15'24	14°15	12°36	20°47	10°16	29°26	27°19	16°23	1°52	2°26	5° 8	5°56	25°24	8° 5	S 15
M16	11 33 28	25°15'00	28°37	13°26	21° 1	10°49	29°41	27°27	16°22	1°52	2°27	5° 7	5°52	25°31	8° 7	M16
T 17	11 37 24	26°14'34	13♒18	14° 8	21°16	11°22	29°55	27°34	16°21	1°51	2°27	5° 6	5°49	25°37	8°10	T 17
W18	11 41 21	27°14'06	28°13	14°42	21°34	11°55	0♈10	27°42	16°19	1°51	2°28	5° 5	5°46	25°44	8°12	W18
T 19	11 45 17	28°13'37	13♓15	15° 8	21°54	12°29	0°24	27°49	16°18	1°50	2°29	5° 5	5°43	25°51	8°15	T 19
F 20	11 49 14	29°13'05	28°14	15°27	22°15	13° 2	0°39	27°57	16°17	1°50	2°29	5°D 4	5°40	25°57	8°17	F 20
S 21	11 53 11	0♈12'31	13♈ 4	15°38	22°38	13°36	0°53	28° 4	16°15	1°49	2°30	5° 4	5°37	26° 4	8°20	S 21
S 22	11 57 7	1°11'55	27°35	15°R41	23° 3	14°10	1° 8	28°12	16°14	1°49	2°31	5° 5	5°33	26°11	8°23	S 22
M23	12 1 4	2°11'17	11♉44	15°37	23°30	14°43	1°22	28°19	16°12	1°48	2°31	5° 5	5°30	26°17	8°25	M23
T 24	12 5 0	3°10'37	25°27	15°25	23°58	15°17	1°37	28°27	16°11	1°47	2°32	5° 5	5°27	26°24	8°28	T 24
W25	12 8 57	4° 9'54	8♊44	15° 7	24°28	15°51	1°51	28°34	16° 9	1°47	2°33	5° 5	5°24	26°31	8°31	W25
T 26	12 12 53	5° 9'09	21°36	14°42	24°59	16°25	2° 6	28°42	16° 7	1°46	2°34	5°R 5	5°21	26°37	8°34	T 26
F 27	12 16 50	6° 8'22	4♋ 8	14°12	25°32	16°59	2°21	28°49	16° 6	1°45	2°35	5°D 5	5°17	26°44	8°37	F 27
S 28	12 20 46	7° 7'33	16°22	13°37	26° 6	17°33	2°35	28°56	16° 4	1°45	2°35	5° 5	5°14	26°51	8°40	S 28
S 29	12 24 43	8° 6'41	28°23	12°57	26°41	18° 7	2°50	29° 4	16° 2	1°44	2°36	5° 6	5°11	26°57	8°43	S 29
M30	12 28 40	9° 5'46	10♌16	12°14	27°18	18°41	3° 4	29°11	16° 0	1°43	2°37	5° 6	5° 8	27° 4	8°47	M30
T 31	12 32 36	10♈ 4'50	22♌ 6	11♈28	27♒55	19♊15	3♈19	29♓19	15♏58	1♐42	2♊38	5♎ 6	5♎ 5	27♌11	8♊50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s43	17n 0	5s 4	3s52	0s31	6s34	8n10	22n24	1n42	2s35	1s 6	3s40	2s 5	16s28	0n22	18s56	1n41	9n15	11s38	2s 8	2s39	10n17	16n43	4s58
M 2	7 20	15 15	4 41	2 58	0 20	6 47	8 3	22 30	1 42	2 29	1 6	3 37	2 5	16 28	0 22	18 56	1 41	9 15	11 38	2 6	2 38	10 16	16 44	4 58
T 3	6 58	12 51	4 7	2 3	0 9	6 59	7 55	22 37	1 42	2 23	1 6	3 34	2 5	16 28	0 22	18 56	1 41	9 15	11 38	2 5	2 37	10 14	16 44	4 58
W 4	6 35	9 55	3 22	1 9	0n 3	7 12	7 47	22 43	1 42	2 17	1 6	3 31	2 5	16 28	0 22	18 56	1 41	9 16	11 37	2 3	2 35	10 13	16 45	4 57
T 5	6 11	6 35	2 28	0 16	0 15	7 24	7 38	22 48	1 42	2 12	1 6	3 28	2 5	16 27	0 23	18 56	1 41	9 16	11 37	2 2	2 34	10 11	16 45	4 57
F 6	5 48	2 59	1 27	0n37	0 28	7 35	7 29	22 54	1 42	2 6	1 6	3 25	2 5	16 27	0 23	18 56	1 41	9 16	11 37	2 1	2 33	10 10	16 46	4 57
S 7	5 25	0s46	0 22	1 29	0 41	7 47	7 20	23 0	1 42	2 0	1 6	3 22	2 5	16 27	0 23	18 56	1 41	9 17	11 37	2 1	2 32	10 8	16 47	4 56
S 8	5 2	4 31	0n45	2 20	0 54	7 57	7 10	23 6	1 42	1 54	1 6	3 20	2 5	16 27	0 23	18 56	1 41	9 17	11 36	2 1	2 30	10 6	16 47	4 56
M 9	4 38	8 7	1 50	3 9	1 7	8 8	7 0	23 11	1 42	1 49	1 6	3 17	2 5	16 26	0 23	18 56	1 41	9 17	11 36	2 1	2 29	10 5	16 48	4 56
T 10	4 15	11 26	2 52	3 55	1 20	8 17	6 50	23 17	1 42	1 43	1 6	3 14	2 5	16 26	0 23	18 56	1 41	9 18	11 36	2 2	2 28	10 3	16 48	4 56
W11	3 51	14 16	3 46	4 40	1 33	8 27	6 39	23 22	1 42	1 37	1 6	3 11	2 5	16 26	0 23	18 55	1 41	9 18	11 35	2 2	2 27	10 2	16 49	4 55
T 12	3 28	16 27	4 30	5 22	1 46	8 35	6 29	23 27	1 42	1 31	1 6	3 8	2 5	16 25	0 23	18 55	1 41	9 19	11 35	2 3	2 25	10 0	16 49	4 55
F 13	3 4	17 49	5 1	6 1	1 59	8 43	6 18	23 32	1 41	1 25	1 6	3 5	2 5	16 25	0 23	18 55	1 41	9 19	11 35	2 3	2 24	9 59	16 50	4 55
S 14	2 41	18 13	5 16	6 38	2 11	8 51	6 7	23 37	1 41	1 20	1 6	3 2	2 5	16 25	0 23	18 55	1 41	9 19	11 35	2 3	2 23	9 57	16 51	4 54
S 15	2 17	17 32	5 13	7 11	2 23	8 57	5 56	23 42	1 41	1 14	1 6	2 59	2 5	16 24	0 23	18 55	1 41	9 20	11 34	2 3	2 21	9 55	16 51	4 54
M16	1 53	15 43	4 51	7 40	2 34	9 4	5 45	23 47	1 41	1 8	1 6	2 56	2 5	16 24	0 23	18 55	1 41	9 20	11 34	2 2	2 20	9 54	16 52	4 54
T 17	1 30	12 52	4 10	8 6	2 44	9 9	5 34	23 51	1 41	1 2	1 6	2 53	2 5	16 24	0 23	18 55	1 42	9 20	11 34	2 2	2 19	9 52	16 52	4 54
W18	1 6	9 8	3 11	8 28	2 54	9 14	5 24	23 56	1 41	0 56	1 6	2 50	2 5	16 23	0 23	18 55	1 42	9 21	11 34	2 2	2 18	9 51	16 53	4 53
T 19	0 42	4 47	1 58	8 46	3 2	9 18	5 13	24 0	1 41	0 51	1 6	2 47	2 5	16 23	0 23	18 54	1 42	9 21	11 33	2 1	2 16	9 49	16 54	4 53
F 20	0 19	0 7	0 38	9 0	3 9	9 22	5 2	24 4	1 41	0 45	1 6	2 44	2 5	16 23	0 23	18 54	1 42	9 22	11 33	2 1	2 15	9 47	16 54	4 53
S 21	0n 5	4n29	0s44	9 10	3 15	9 24	4 51	24 8	1 40	0 39	1 6	2 41	2 5	16 22	0 23	18 54	1 42	9 22	11 33	2 1	2 14	9 46	16 55	4 53
S 22	0 29	8 44	2 2	9 15	3 20	9 27	4 40	24 12	1 40	0 33	1 6	2 38	2 5	16 22	0 23	18 54	1 42	9 22	11 33	2 1	2 13	9 44	16 56	4 52
M23	0 52	12 22	3 10	9 17	3 23	9 28	4 29	24 16	1 40	0 27	1 6	2 35	2 5	16 21	0 23	18 54	1 42	9 23	11 32	2 1	2 11	9 43	16 56	4 52
T 24	1 16	15 12	4 5	9 14	3 25	9 29	4 19	24 20	1 40	0 22	1 6	2 32	2 6	16 21	0 23	18 54	1 42	9 23	11 32	2 1	2 10	9 41	16 57	4 52
W25	1 39	17 6	4 45	9 6	3 25	9 29	4 8	24 23	1 40	0 16	1 6	2 29	2 6	16 20	0 23	18 53	1 42	9 23	11 32	2 2	2 9	9 39	16 58	4 52
T 26	2 3	18 5	5 9	8 55	3 23	9 29	3 58	24 26	1 40	0 10	1 6	2 26	2 6	16 20	0 23	18 53	1 42	9 24	11 32	2 2	2 8	9 38	16 58	4 51
F 27	2 27	18 8	5 18	8 40	3 20	9 28	3 48	24 30	1 40	0 4	1 6	2 24	2 6	16 19	0 23	18 53	1 42	9 24	11 31	2 2	2 6	9 36	16 59	4 51
S 28	2 50	17 19	5 12	8 22	3 15	9 26	3 37	24 33	1 39	0n 1	1 6	2 21	2 6	16 19	0 23	18 53	1 42	9 25	11 31	2 2	2 5	9 35	17 0	4 51
S 29	3 13	15 45	4 52	8 0	3 8	9 24	3 27	24 36	1 39	0 7	1 6	2 18	2 6	16 18	0 23	18 53	1 42	9 25	11 31	2 2	2 4	9 33	17 1	4 51
M30	3 37	13 31	4 20	7 36	2 59	9 21	3 17	24 39	1 39	0 13	1 6	2 15	2 6	16 18	0 23	18 53	1 42	9 25	11 31	2 2	2 3	9 31	17 1	4 51
T 31	4n 0	10n45	3s37	7n 9	2n49	9s17	3n 7	24n41	1n39	0n19	1s 6	2s12	2s 6	16s17	0n23	18s52	1n42	9n26	11s30	2s 2	2s 1	9n30	17n 2	4s50

Julian Day Number = 2321212.5, Delta T = 48.11 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'35, Lahiri = 18°52'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

APRIL 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 36 33	11♈ 3'51	3♍55	10°R41	28♒34	19♊50	3♈33	29♓26	15°R57	1°R41	2♊39	5♎ 7	5♎ 2	27♌17	8♊53	W 1
T 2	12 40 29	12° 2'50	15°48	9♈53	29°14	20°24	3°47	29°33	15♏55	1♐40	2°40	5° 8	4°58	27°24	8°57	T 2
F 3	12 44 26	13° 1'47	27°47	9° 6	29°56	20°58	4° 2	29°41	15°53	1°40	2°41	5° 8	4°55	27°31	9° 0	F 3
S 4	12 48 22	14° 0'42	9♎55	8°20	0♓38	21°33	4°16	29°48	15°51	1°39	2°42	5°R 8	4°52	27°37	9° 4	S 4
S 5	12 52 19	14°59'34	22°13	7°36	1°21	22° 7	4°31	29°55	15°49	1°38	2°43	5° 8	4°49	27°44	9° 7	S 5
M 6	12 56 15	15°58'25	4♏43	6°54	2° 5	22°42	4°45	0♈ 3	15°47	1°37	2°44	5° 7	4°46	27°51	9°11	M 6
T 7	13 0 12	16°57'14	17°26	6°16	2°50	23°16	5° 0	0°10	15°45	1°36	2°45	5° 5	4°43	27°57	9°15	T 7
W 8	13 4 8	17°56'01	0♐23	5°42	3°36	23°51	5°14	0°17	15°42	1°35	2°46	5° 4	4°39	28° 4	9°18	W 8
T 9	13 8 5	18°54'46	13°33	5°12	4°23	24°25	5°28	0°24	15°40	1°33	2°47	5° 2	4°36	28°11	9°22	T 9
F 10	13 12 2	19°53'29	26°59	4°47	5°11	25° 0	5°43	0°32	15°38	1°32	2°48	5° 0	4°33	28°17	9°26	F 10
S 11	13 15 58	20°52'11	10♑39	4°27	5°59	25°35	5°57	0°39	15°36	1°31	2°49	4°59	4°30	28°24	9°30	S 11
S 12	13 19 55	21°50'51	24°34	4°12	6°49	26° 9	6°11	0°46	15°34	1°30	2°50	4°D59	4°27	28°31	9°34	S 12
M13	13 23 51	22°49'30	8♒43	4° 2	7°39	26°44	6°25	0°53	15°31	1°29	2°51	5° 0	4°23	28°37	9°38	M13
T 14	13 27 48	23°48'07	23° 5	3°D57	8°29	27°19	6°40	1° 0	15°29	1°28	2°52	5° 1	4°20	28°44	9°42	T 14
W15	13 31 44	24°46'42	7♓36	3°58	9°21	27°54	6°54	1° 7	15°27	1°27	2°53	5° 2	4°17	28°51	9°46	W15
T 16	13 35 41	25°45'15	22°12	4° 3	10°13	28°29	7° 8	1°14	15°25	1°25	2°54	5° 3	4°14	28°57	9°50	T 16
F 17	13 39 37	26°43'47	6♈49	4°14	11° 5	29° 4	7°22	1°21	15°22	1°24	2°55	5°R 3	4°11	29° 4	9°54	F 17
S 18	13 43 34	27°42'16	21°20	4°29	11°58	29°39	7°36	1°28	15°20	1°23	2°56	5° 3	4° 8	29°11	9°58	S 18
S 19	13 47 31	28°40'44	5♉40	4°49	12°52	0♋14	7°50	1°35	15°18	1°22	2°58	5° 1	4° 4	29°17	10° 3	S 19
M20	13 51 27	29°39'10	19°42	5°13	13°46	0°49	8° 4	1°42	15°15	1°20	2°59	4°58	4° 1	29°24	10° 7	M20
T 21	13 55 24	0♉37'35	3♊24	5°42	14°41	1°24	8°18	1°49	15°13	1°19	3° 0	4°54	3°58	29°31	10°11	T 21
W22	13 59 20	1°35'57	16°42	6°15	15°37	1°59	8°32	1°56	15°10	1°18	3° 1	4°50	3°55	29°37	10°16	W22
T 23	14 3 17	2°34'17	29°38	6°52	16°32	2°34	8°46	2° 3	15° 8	1°16	3° 2	4°46	3°52	29°44	10°20	T 23
F 24	14 7 13	3°32'35	12♋13	7°33	17°29	3° 9	9° 0	2° 9	15° 5	1°15	3° 4	4°44	3°48	29°51	10°25	F 24
S 25	14 11 10	4°30'51	24°29	8°17	18°26	3°45	9°14	2°16	15° 3	1°13	3° 5	4°42	3°45	29°57	10°29	S 25
S 26	14 15 6	5°29'05	6♌32	9° 5	19°23	4°20	9°27	2°23	15° 1	1°12	3° 6	4°D41	3°42	0♍ 4	10°34	S 26
M27	14 19 3	6°27'17	18°26	9°56	20°20	4°55	9°41	2°29	14°58	1°11	3° 7	4°42	3°39	0°11	10°38	M27
T 28	14 23 0	7°25'27	0♍16	10°51	21°18	5°31	9°55	2°36	14°56	1° 9	3° 8	4°43	3°36	0°17	10°43	T 28
W29	14 26 56	8°23'35	12° 6	11°48	22°17	6° 6	10° 8	2°43	14°53	1° 8	3°10	4°45	3°33	0°24	10°47	W29
T 30	14 30 53	9♉21'41	24♍ 2	12♈49	23♓16	6♋41	10♈22	2♈49	14♏51	1♐ 6	3♊11	4♎47	3♎29	0♍31	10♊52	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	4n23	7n32	2s45	6n40	2n38	9s13	2n58	24n44	1n39	0n24	1s 6	2s 9	2s 6	16s17	0n23	18s52	1n42	9n26	11s30	2s 2	2s 0	9n28	17n 3	4s50	W 1
T 2	4 46	3 59	1 45	6 9	2 26	9 8	2 48	24 46	1 39	0 30	1 6	2 6	2 6	16 16	0 23	18 52	1 42	9 27	11 30	2 2	1 59	9 27	17 3	4 50	T 2
F 3	5 9	0 16	0 41	5 38	2 12	9 2	2 39	24 49	1 38	0 36	1 6	2 3	2 6	16 16	0 23	18 52	1 42	9 27	11 30	2 3	1 58	9 25	17 4	4 50	F 3
S 4	5 32	3s32	0n27	5 6	1 57	8 56	2 30	24 51	1 38	0 42	1 6	2 1	2 6	16 15	0 23	18 51	1 42	9 27	11 29	2 3	1 56	9 23	17 5	4 49	S 4
S 5	5 55	7 13	1 33	4 35	1 42	8 50	2 21	24 53	1 38	0 47	1 6	1 58	2 6	16 14	0 23	18 51	1 42	9 28	11 29	2 2	1 55	9 22	17 6	4 49	S 5
M 6	6 18	10 39	2 37	4 4	1 26	8 42	2 12	24 54	1 38	0 53	1 6	1 55	2 6	16 14	0 23	18 51	1 42	9 28	11 29	2 2	1 54	9 20	17 6	4 49	M 6
T 7	6 40	13 39	3 34	3 34	1 10	8 34	2 3	24 56	1 38	0 59	1 6	1 52	2 6	16 13	0 23	18 51	1 42	9 28	11 29	2 2	1 52	9 19	17 7	4 49	T 7
W 8	7 3	16 1	4 20	3 5	0 53	8 26	1 54	24 58	1 37	1 4	1 6	1 49	2 6	16 13	0 23	18 50	1 42	9 29	11 29	2 1	1 51	9 17	17 8	4 49	W 8
T 9	7 25	17 36	4 55	2 38	0 37	8 17	1 46	24 59	1 37	1 10	1 6	1 46	2 7	16 12	0 23	18 50	1 43	9 29	11 28	2 0	1 50	9 15	17 8	4 49	T 9
F 10	7 48	18 14	5 13	2 13	0 20	8 7	1 37	25 0	1 37	1 15	1 6	1 44	2 7	16 11	0 23	18 50	1 43	9 30	11 28	2 0	1 49	9 14	17 9	4 48	F 10
S 11	8 10	17 49	5 15	1 50	0 4	7 57	1 29	25 1	1 37	1 21	1 6	1 41	2 7	16 11	0 23	18 50	1 43	9 30	11 28	1 59	1 47	9 12	17 10	4 48	S 11
S 12	8 32	16 21	4 58	1 30	0s11	7 47	1 21	25 2	1 37	1 27	1 6	1 38	2 7	16 10	0 23	18 49	1 43	9 30	11 28	1 59	1 46	9 10	17 11	4 48	S 12
M13	8 54	13 53	4 23	1 12	0 27	7 35	1 13	25 3	1 36	1 32	1 6	1 35	2 7	16 9	0 23	18 49	1 43	9 31	11 28	1 59	1 45	9 9	17 11	4 48	M13
T 14	9 15	10 31	3 32	0 57	0 41	7 24	1 5	25 3	1 36	1 38	1 6	1 33	2 7	16 9	0 23	18 49	1 43	9 31	11 27	2 0	1 44	9 7	17 12	4 48	T 14
W15	9 37	6 29	2 26	0 44	0 55	7 11	0 58	25 4	1 36	1 43	1 6	1 30	2 7	16 8	0 23	18 49	1 43	9 32	11 27	2 0	1 42	9 6	17 13	4 47	W15
T 16	9 58	2 1	1 10	0 34	1 9	6 59	0 50	25 4	1 36	1 49	1 7	1 27	2 7	16 7	0 23	18 48	1 43	9 32	11 27	2 1	1 41	9 4	17 14	4 47	T 16
F 17	10 19	2n34	0s10	0 26	1 21	6 46	0 43	25 4	1 35	1 55	1 7	1 24	2 7	16 7	0 23	18 48	1 43	9 32	11 27	2 1	1 40	9 2	17 14	4 47	F 17
S 18	10 41	6 58	1 29	0 21	1 33	6 32	0 36	25 4	1 35	2 0	1 7	1 22	2 8	16 6	0 23	18 48	1 43	9 33	11 27	2 1	1 39	9 1	17 15	4 47	S 18
S 19	11 1	10 54	2 41	0 19	1 45	6 18	0 29	25 4	1 35	2 6	1 7	1 19	2 8	16 5	0 23	18 48	1 43	9 33	11 27	2 0	1 37	8 59	17 16	4 47	S 19
M20	11 22	14 8	3 42	0 19	1 55	6 3	0 22	25 4	1 35	2 11	1 7	1 17	2 8	16 5	0 23	18 47	1 43	9 33	11 26	1 59	1 36	8 57	17 17	4 47	M20
T 21	11 43	16 29	4 28	0 22	2 5	5 48	0 15	25 3	1 35	2 16	1 7	1 14	2 8	16 4	0 23	18 47	1 43	9 34	11 26	1 57	1 35	8 56	17 17	4 47	T 21
W22	12 3	17 52	4 58	0 27	2 14	5 33	0 9	25 2	1 34	2 22	1 7	1 11	2 8	16 3	0 23	18 47	1 43	9 34	11 26	1 56	1 34	8 54	17 18	4 46	W22
T 23	12 23	18 16	5 13	0 34	2 22	5 17	0 2	25 2	1 34	2 27	1 7	1 9	2 8	16 3	0 23	18 46	1 43	9 35	11 26	1 54	1 32	8 53	17 19	4 46	T 23
F 24	12 43	17 45	5 11	0 43	2 29	5 1	0s 4	25 1	1 34	2 33	1 7	1 6	2 8	16 2	0 23	18 46	1 43	9 35	11 26	1 53	1 31	8 51	17 20	4 46	F 24
S 25	13 3	16 25	4 55	0 54	2 36	4 44	0 10	24 59	1 34	2 38	1 7	1 4	2 8	16 1	0 23	18 46	1 43	9 35	11 26	1 52	1 30	8 49	17 20	4 46	S 25
S 26	13 22	14 22	4 27	1 8	2 42	4 27	0 16	24 58	1 33	2 43	1 7	1 1	2 9	16 0	0 23	18 45	1 43	9 36	11 25	1 52	1 28	8 48	17 21	4 46	S 26
M27	13 42	11 44	3 47	1 23	2 47	4 10	0 22	24 57	1 33	2 49	1 7	0 58	2 9	16 0	0 23	18 45	1 43	9 36	11 25	1 52	1 27	8 46	17 22	4 46	M27
T 28	14 1	8 38	2 58	1 41	2 51	3 52	0 27	24 55	1 33	2 54	1 7	0 56	2 9	15 59	0 23	18 45	1 43	9 36	11 25	1 53	1 26	8 44	17 23	4 46	T 28
W29	14 20	5 10	2 1	2 0	2 55	3 34	0 33	24 53	1 33	2 59	1 7	0 54	2 9	15 58	0 23	18 44	1 43	9 37	11 25	1 54	1 25	8 43	17 23	4 46	W29
T 30	14n38	1n29	0s59	2n20	2s58	3s16	0s38	24n51	1n32	3n 5	1s 8	0s51	2s 9	15s58	0n23	18s44	1n43	9n37	11s25	1s54	1s23	8n41	17n24	4s46	T 30

Julian Day Number = 2321243.5, Delta T = 48.05 sec
Ecliptic obliquity = 23°29'00, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'39, Lahiri = 18°52'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

MAY 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 34 49	10♉19'45	6♎ 7	13♈52	24♓15	7♋17	10♈36	2♈56	14°R48	1°R 5	3♊12	4°R47	3♎26	0♍37	10♊57	F 1
S 2	14 38 46	11°17'47	18°25	14°58	25°14	7°52	10°49	3° 2	14♏46	1♐ 3	3°14	4♎46	3°23	0°44	11° 2	S 2
S 3	14 42 42	12°15'48	0♏57	16° 7	26°14	8°28	11° 3	3° 8	14°43	1° 2	3°15	4°44	3°20	0°51	11° 6	S 3
M 4	14 46 39	13°13'46	13°46	17°19	27°14	9° 3	11°16	3°15	14°40	1° 0	3°16	4°39	3°17	0°57	11°11	M 4
T 5	14 50 35	14°11'44	26°51	18°33	28°15	9°39	11°29	3°21	14°38	0°59	3°17	4°33	3°14	1° 4	11°16	T 5
W 6	14 54 32	15° 9'39	10♐11	19°49	29°16	10°14	11°43	3°27	14°35	0°57	3°19	4°27	3°10	1°11	11°21	W 6
T 7	14 58 29	16° 7'34	23°45	21° 8	0♈17	10°50	11°56	3°33	14°33	0°56	3°20	4°20	3° 7	1°17	11°26	T 7
F 8	15 2 25	17° 5'27	7♑31	22°30	1°18	11°26	12° 9	3°40	14°30	0°54	3°21	4°14	3° 4	1°24	11°31	F 8
S 9	15 6 22	18° 3'19	21°25	23°53	2°20	12° 1	12°22	3°46	14°28	0°53	3°23	4°10	3° 1	1°31	11°36	S 9
S 10	15 10 18	19° 1'09	5♒27	25°19	3°22	12°37	12°35	3°52	14°25	0°51	3°24	4° 7	2°58	1°37	11°41	S 10
M11	15 14 15	19°58'58	19°34	26°48	4°25	13°13	12°48	3°58	14°23	0°49	3°25	4°D 6	2°54	1°44	11°46	M11
T 12	15 18 11	20°56'46	3♓44	28°18	5°27	13°48	13° 1	4° 4	14°20	0°48	3°27	4° 7	2°51	1°51	11°51	T 12
W13	15 22 8	21°54'33	17°56	29°51	6°30	14°24	13°14	4° 9	14°18	0°46	3°28	4° 8	2°48	1°57	11°56	W13
T 14	15 26 4	22°52'19	2♈ 9	1♉26	7°33	15° 0	13°27	4°15	14°15	0°45	3°29	4°R 9	2°45	2° 4	12° 1	T 14
F 15	15 30 1	23°50'04	16°20	3° 3	8°36	15°36	13°40	4°21	14°13	0°43	3°31	4° 8	2°42	2°11	12° 6	F 15
S 16	15 33 57	24°47'47	0♉25	4°42	9°40	16°12	13°52	4°27	14°10	0°41	3°32	4° 5	2°39	2°17	12°11	S 16
S 17	15 37 54	25°45'30	14°22	6°24	10°44	16°48	14° 5	4°32	14° 8	0°40	3°33	4° 0	2°35	2°24	12°16	S 17
M18	15 41 51	26°43'11	28° 6	8° 7	11°48	17°23	14°17	4°38	14° 5	0°38	3°35	3°53	2°32	2°31	12°21	M18
T 19	15 45 47	27°40'51	11♊34	9°53	12°52	17°59	14°30	4°43	14° 3	0°36	3°36	3°45	2°29	2°37	12°26	T 19
W20	15 49 44	28°38'29	24°45	11°41	13°56	18°35	14°42	4°49	14° 1	0°35	3°37	3°35	2°26	2°44	12°32	W20
T 21	15 53 40	29°36'07	7♋36	13°32	15° 1	19°11	14°54	4°54	13°58	0°33	3°39	3°26	2°23	2°51	12°37	T 21
F 22	15 57 37	0♊33'43	20° 9	15°24	16° 6	19°47	15° 7	4°59	13°56	0°32	3°40	3°18	2°20	2°57	12°42	F 22
S 23	16 1 33	1°31'17	2♌25	17°19	17°10	20°23	15°19	5° 5	13°53	0°30	3°42	3°12	2°16	3° 4	12°47	S 23
S 24	16 5 30	2°28'50	14°27	19°15	18°16	20°59	15°31	5°10	13°51	0°28	3°43	3° 8	2°13	3°11	12°52	S 24
M25	16 9 27	3°26'22	26°21	21°14	19°21	21°36	15°43	5°15	13°49	0°27	3°44	3° 6	2°10	3°17	12°58	M25
T 26	16 13 23	4°23'52	8♍11	23°15	20°26	22°12	15°55	5°20	13°46	0°25	3°46	3°D 6	2° 7	3°24	13° 3	T 26
W27	16 17 20	5°21'21	20° 1	25°17	21°32	22°48	16° 7	5°25	13°44	0°24	3°47	3° 7	2° 4	3°31	13° 8	W27
T 28	16 21 16	6°18'49	1♎59	27°22	22°38	23°24	16°18	5°30	13°42	0°22	3°48	3°R 7	2° 0	3°37	13°13	T 28
F 29	16 25 13	7°16'15	14° 7	29°28	23°43	24° 0	16°30	5°35	13°40	0°20	3°50	3° 7	1°57	3°44	13°19	F 29
S 30	16 29 9	8°13'40	26°32	1♊35	24°50	24°36	16°42	5°39	13°37	0°19	3°51	3° 4	1°54	3°51	13°24	S 30
S 31	16 33 6	9♊11'04	9♏15	3♊44	25♈56	25♋13	16♈53	5♈44	13♏35	0♐17	3♊53	3♎ 0	1♎51	3♍57	13♊29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14n57	2s19	0n 7	2n43	3s 0	2s57	0s43	24n49	1n32	3n10	1s 8	0s49	2s 9	15s57	0n23	18s44	1n43	9n37	11s25	1s54	1s22	8n39	17n25	4s45
S 2	15 15	6 6	1 14	3 7	3 2	2 38	0 48	24 47	1 32	3 15	1 8	0 46	2 9	15 56	0 23	18 44	1 43	9 38	11 25	1 54	1 21	8 38	17 26	4 45
S 3	15 33	9 40	2 18	3 33	3 3	2 19	0 53	24 44	1 32	3 20	1 8	0 44	2 10	15 55	0 23	18 43	1 43	9 38	11 24	1 53	1 20	8 36	17 26	4 45
M 4	15 50	12 53	3 16	4 0	3 3	1 59	0 58	24 42	1 31	3 25	1 8	0 41	2 10	15 55	0 23	18 43	1 43	9 38	11 24	1 51	1 18	8 35	17 27	4 45
T 5	16 8	15 30	4 5	4 28	3 3	1 39	1 3	24 39	1 31	3 31	1 8	0 39	2 10	15 54	0 23	18 43	1 43	9 39	11 24	1 49	1 17	8 33	17 28	4 45
W 6	16 25	17 22	4 42	4 58	3 2	1 19	1 7	24 36	1 31	3 36	1 8	0 37	2 10	15 53	0 23	18 42	1 43	9 39	11 24	1 46	1 16	8 31	17 28	4 45
T 7	16 42	18 16	5 4	5 29	3 0	0 59	1 11	24 33	1 31	3 41	1 8	0 34	2 10	15 52	0 23	18 42	1 43	9 40	11 24	1 44	1 15	8 30	17 29	4 45
F 8	16 58	18 8	5 9	6 1	2 58	0 38	1 15	24 29	1 30	3 46	1 8	0 32	2 10	15 52	0 23	18 42	1 43	9 40	11 24	1 41	1 13	8 28	17 30	4 45
S 9	17 14	16 54	4 56	6 34	2 55	0 17	1 19	24 26	1 30	3 51	1 8	0 30	2 11	15 51	0 23	18 41	1 43	9 40	11 24	1 39	1 12	8 26	17 31	4 45
S 10	17 30	14 40	4 25	7 9	2 52	0n 4	1 23	24 22	1 30	3 56	1 9	0 28	2 11	15 50	0 23	18 41	1 43	9 41	11 24	1 38	1 11	8 25	17 31	4 45
M11	17 46	11 32	3 37	7 44	2 48	0 25	1 27	24 19	1 30	4 1	1 9	0 25	2 11	15 49	0 23	18 41	1 43	9 41	11 24	1 38	1 9	8 23	17 32	4 45
T 12	18 2	7 43	2 37	8 21	2 43	0 47	1 31	24 15	1 29	4 6	1 9	0 23	2 11	15 49	0 23	18 40	1 43	9 41	11 24	1 38	1 8	8 21	17 33	4 45
W13	18 17	3 27	1 26	8 58	2 38	1 9	1 34	24 11	1 29	4 11	1 9	0 21	2 11	15 48	0 23	18 40	1 43	9 42	11 23	1 39	1 7	8 20	17 33	4 45
T 14	18 31	1n 1	0 11	9 36	2 33	1 31	1 37	24 6	1 29	4 15	1 9	0 19	2 11	15 47	0 23	18 40	1 43	9 42	11 23	1 39	1 6	8 18	17 34	4 45
F 15	18 46	5 26	1s 5	10 15	2 27	1 53	1 41	24 2	1 28	4 20	1 9	0 17	2 12	15 47	0 22	18 39	1 43	9 42	11 23	1 39	1 4	8 16	17 35	4 45
S 16	19 0	9 30	2 17	10 55	2 20	2 15	1 44	23 57	1 28	4 25	1 9	0 15	2 12	15 46	0 22	18 39	1 43	9 42	11 23	1 38	1 3	8 15	17 35	4 45
S 17	19 14	13 0	3 19	11 35	2 13	2 37	1 47	23 53	1 28	4 30	1 9	0 13	2 12	15 45	0 22	18 39	1 43	9 43	11 23	1 36	1 2	8 13	17 36	4 45
M18	19 28	15 44	4 9	12 16	2 5	3 0	1 49	23 48	1 28	4 35	1 10	0 11	2 12	15 44	0 22	18 38	1 43	9 43	11 23	1 33	1 1	8 11	17 37	4 45
T 19	19 41	17 32	4 43	12 57	1 57	3 22	1 52	23 43	1 27	4 39	1 10	0 9	2 12	15 44	0 22	18 38	1 43	9 43	11 23	1 29	0 59	8 10	17 37	4 45
W20	19 54	18 21	5 2	13 39	1 49	3 45	1 55	23 38	1 27	4 44	1 10	0 7	2 13	15 43	0 22	18 38	1 43	9 44	11 23	1 26	0 58	8 8	17 38	4 45
T 21	20 6	18 11	5 5	14 20	1 40	4 8	1 57	23 32	1 27	4 49	1 10	0 5	2 13	15 42	0 22	18 37	1 43	9 44	11 23	1 22	0 57	8 6	17 39	4 45
F 22	20 18	17 8	4 53	15 2	1 31	4 30	1 59	23 27	1 26	4 53	1 10	0 3	2 13	15 42	0 22	18 37	1 43	9 44	11 23	1 19	0 56	8 5	17 39	4 45
S 23	20 30	15 19	4 27	15 44	1 21	4 53	2 1	23 21	1 26	4 58	1 10	0 1	2 13	15 41	0 22	18 37	1 43	9 45	11 23	1 17	0 54	8 3	17 40	4 45
S 24	20 42	12 51	3 50	16 26	1 11	5 16	2 3	23 15	1 26	5 2	1 10	0n 1	2 13	15 40	0 22	18 36	1 43	9 45	11 23	1 15	0 53	8 1	17 41	4 45
M25	20 53	9 52	3 4	17 7	1 1	5 39	2 5	23 9	1 26	5 7	1 10	0 3	2 14	15 39	0 22	18 36	1 43	9 45	11 23	1 14	0 52	8 0	17 41	4 45
T 26	21 4	6 31	2 9	17 48	0 51	6 2	2 7	23 3	1 25	5 11	1 11	0 4	2 14	15 39	0 22	18 36	1 43	9 45	11 23	1 14	0 51	7 58	17 42	4 45
W27	21 14	2 54	1 10	18 28	0 40	6 25	2 9	22 57	1 25	5 16	1 11	0 6	2 14	15 38	0 22	18 35	1 43	9 46	11 23	1 14	0 49	7 56	17 42	4 45
T 28	21 24	0s53	0 6	19 8	0 29	6 48	2 10	22 51	1 25	5 20	1 11	0 8	2 14	15 37	0 22	18 35	1 43	9 46	11 23	1 15	0 48	7 55	17 43	4 45
F 29	21 34	4 41	0n58	19 46	0 18	7 11	2 12	22 44	1 24	5 24	1 11	0 10	2 15	15 37	0 22	18 35	1 43	9 46	11 23	1 14	0 47	7 53	17 44	4 45
S 30	21 43	8 22	2 2	20 24	0 8	7 34	2 13	22 37	1 24	5 29	1 11	0 11	2 15	15 36	0 22	18 34	1 43	9 46	11 23	1 13	0 45	7 51	17 44	4 45
S 31	21n52	11s45	3n 0	20n59	0n 3	7n57	2s14	22n30	1n24	5n33	1s11	0n13	2s15	15s36	0n22	18s34	1n43	9n47	11s23	1s12	0s44	7n50	17n45	4s45

Julian Day Number = 2321273.5, Delta T = 48.00 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'43, Lahiri = 18°52'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

JUNE 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 37 2	10♊ 8'28	22♏20	5♊54	27♈ 2	25♋49	17♈ 4	5♈49	13°R33	0°R15	3♊54	2°R52	1♎48	4♍ 4	13♊35	M 1
T 2	16 40 59	11° 5'50	5♐45	8° 5	28° 9	26°25	17°16	5°53	13♏31	0♐14	3°55	2♎43	1°45	4°11	13°40	T 2
W 3	16 44 56	12° 3'11	19°30	10°17	29°15	27° 1	17°27	5°57	13°29	0°12	3°57	2°32	1°41	4°17	13°45	W 3
T 4	16 48 52	13° 0'32	3♑30	12°29	0♉22	27°38	17°38	6° 2	13°27	0°11	3°58	2°22	1°38	4°24	13°51	T 4
F 5	16 52 49	13°57'52	17°42	14°41	1°29	28°14	17°49	6° 6	13°25	0° 9	3°59	2°12	1°35	4°31	13°56	F 5
S 6	16 56 45	14°55'11	1♒59	16°53	2°36	28°50	18° 0	6°10	13°23	0° 8	4° 1	2° 4	1°32	4°37	14° 1	S 6
S 7	17 0 42	15°52'29	16°18	19° 4	3°43	29°27	18°11	6°14	13°21	0° 6	4° 2	1°59	1°29	4°44	14° 7	S 7
M 8	17 4 38	16°49'48	0♓34	21°15	4°50	0♌ 3	18°21	6°18	13°19	0° 4	4° 3	1°56	1°26	4°51	14°12	M 8
T 9	17 8 35	17°47'06	14°45	23°25	5°58	0°39	18°32	6°22	13°17	0° 3	4° 5	1°D55	1°22	4°57	14°17	T 9
W10	17 12 31	18°44'23	28°49	25°33	7° 5	1°16	18°43	6°26	13°15	0° 1	4° 6	1°R55	1°19	5° 4	14°22	W10
T 11	17 16 28	19°41'40	12♈46	27°41	8°13	1°52	18°53	6°30	13°13	29♏59	4° 7	1°55	1°16	5°11	14°28	T 11
F 12	17 20 25	20°38'57	26°36	29°46	9°21	2°29	19° 3	6°34	13°11	29°58	4° 9	1°53	1°13	5°17	14°33	F 12
S 13	17 24 21	21°36'14	10♉17	1♋50	10°29	3° 5	19°13	6°37	13° 9	29°57	4°10	1°49	1°10	5°24	14°38	S 13
S 14	17 28 18	22°33'30	23°49	3°53	11°37	3°42	19°24	6°41	13° 7	29°55	4°11	1°42	1° 6	5°31	14°44	S 14
M15	17 32 14	23°30'46	7♊10	5°53	12°45	4°18	19°34	6°44	13° 6	29°54	4°13	1°32	1° 3	5°37	14°49	M15
T 16	17 36 11	24°28'02	20°18	7°51	13°53	4°55	19°43	6°48	13° 4	29°53	4°14	1°20	1° 0	5°44	14°54	T 16
W17	17 40 7	25°25'17	3♋13	9°47	15° 1	5°32	19°53	6°51	13° 2	29°51	4°15	1° 8	0°57	5°51	15° 0	W17
T 18	17 44 4	26°22'32	15°52	11°41	16°10	6° 8	20° 3	6°54	13° 1	29°50	4°17	0°55	0°54	5°57	15° 5	T 18
F 19	17 48 0	27°19'46	28°17	13°33	17°18	6°45	20°12	6°57	12°59	29°48	4°18	0°44	0°51	6° 4	15°10	F 19
S 20	17 51 57	28°17'00	10♌27	15°23	18°27	7°22	20°22	7° 0	12°58	29°47	4°19	0°35	0°47	6°11	15°15	S 20
S 21	17 55 54	29°14'13	22°27	17°11	19°35	7°58	20°31	7° 3	12°56	29°46	4°20	0°28	0°44	6°17	15°21	S 21
M22	17 59 50	0♋11'26	4♍19	18°56	20°44	8°35	20°40	7° 6	12°55	29°44	4°22	0°24	0°41	6°24	15°26	M22
T 23	18 3 47	1° 8'39	16° 7	20°39	21°53	9°12	20°49	7° 9	12°53	29°43	4°23	0°23	0°38	6°31	15°31	T 23
W24	18 7 43	2° 5'50	27°57	22°20	23° 2	9°49	20°58	7°11	12°52	29°42	4°24	0°22	0°35	6°37	15°36	W24
T 25	18 11 40	3° 3'02	9♎53	23°59	24°11	10°25	21° 7	7°14	12°51	29°40	4°25	0°22	0°31	6°44	15°41	T 25
F 26	18 15 36	4° 0'13	22° 2	25°36	25°20	11° 2	21°15	7°16	12°49	29°39	4°27	0°21	0°28	6°51	15°47	F 26
S 27	18 19 33	4°57'24	4♏29	27°10	26°29	11°39	21°24	7°19	12°48	29°38	4°28	0°19	0°25	6°57	15°52	S 27
S 28	18 23 29	5°54'34	17°18	28°42	27°38	12°16	21°32	7°21	12°47	29°36	4°29	0°14	0°22	7° 4	15°57	S 28
M29	18 27 26	6°51'45	0♐31	0♌11	28°48	12°53	21°40	7°23	12°46	29°35	4°30	0° 7	0°19	7°11	16° 2	M29
T 30	18 31 23	7♋48'55	14♐ 9	1♌39	29♉57	13♌30	21♈48	7♈25	12♏45	29♏34	4♊31	29♍57	0♎16	7♍17	16♊ 7	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22n 1	14s40	3n51	21n33	0n14	8n20	2s15	22n23	1n24	5n37	1s11	0n15	2s15	15s35	0n22	18s34	1n43	9n47	11s23	1s 9	0s43	7n48	17n45	4s45	M 1
T 2	22 9	16 52	4 30	22 6	0 24	8 43	2 16	22 16	1 23	5 41	1 12	0 16	2 15	15 34	0 22	18 33	1 43	9 47	11 23	1 5	0 42	7 46	17 46	4 45	T 2
W 3	22 17	18 10	4 55	22 36	0 34	9 6	2 17	22 9	1 23	5 45	1 12	0 18	2 16	15 34	0 22	18 33	1 43	9 47	11 22	1 1	0 40	7 45	17 46	4 45	W 3
T 4	22 24	18 24	5 2	23 4	0 44	9 29	2 17	22 1	1 23	5 49	1 12	0 19	2 16	15 33	0 22	18 33	1 43	9 48	11 22	0 56	0 39	7 43	17 47	4 45	T 4
F 5	22 31	17 30	4 51	23 29	0 53	9 51	2 18	21 54	1 22	5 54	1 12	0 21	2 16	15 32	0 22	18 32	1 43	9 48	11 22	0 53	0 38	7 41	17 47	4 45	F 5
S 6	22 38	15 29	4 23	23 52	1 2	10 14	2 18	21 46	1 22	5 58	1 12	0 22	2 16	15 32	0 22	18 32	1 43	9 48	11 23	0 49	0 37	7 40	17 48	4 45	S 6
S 7	22 44	12 32	3 37	24 12	1 11	10 36	2 19	21 38	1 22	6 1	1 12	0 23	2 17	15 31	0 22	18 32	1 43	9 48	11 23	0 47	0 35	7 38	17 49	4 46	S 7
M 8	22 50	8 50	2 38	24 30	1 18	10 58	2 19	21 30	1 21	6 5	1 13	0 25	2 17	15 31	0 22	18 31	1 43	9 49	11 23	0 46	0 34	7 36	17 49	4 46	M 8
T 9	22 55	4 38	1 30	24 45	1 26	11 21	2 19	21 22	1 21	6 9	1 13	0 26	2 17	15 30	0 22	18 31	1 43	9 49	11 23	0 46	0 33	7 35	17 50	4 46	T 9
W10	23 0	0 13	0 16	24 56	1 32	11 43	2 19	21 14	1 21	6 13	1 13	0 28	2 17	15 30	0 22	18 31	1 43	9 49	11 23	0 46	0 32	7 33	17 50	4 46	W10
T 11	23 5	4n11	0s57	25 6	1 38	12 4	2 19	21 5	1 20	6 17	1 13	0 29	2 18	15 29	0 22	18 31	1 43	9 49	11 23	0 46	0 30	7 31	17 50	4 46	T 11
F 12	23 9	8 18	2 7	25 12	1 43	12 26	2 19	20 56	1 20	6 21	1 13	0 30	2 18	15 29	0 22	18 30	1 43	9 49	11 23	0 45	0 29	7 29	17 51	4 46	F 12
S 13	23 13	11 57	3 8	25 15	1 47	12 48	2 19	20 48	1 20	6 24	1 14	0 31	2 18	15 28	0 22	18 30	1 43	9 50	11 23	0 43	0 28	7 28	17 51	4 46	S 13
S 14	23 16	14 55	3 58	25 16	1 51	13 9	2 18	20 39	1 19	6 28	1 14	0 32	2 18	15 27	0 22	18 30	1 43	9 50	11 23	0 41	0 26	7 26	17 52	4 46	S 14
M15	23 19	17 2	4 34	25 15	1 54	13 30	2 18	20 30	1 19	6 32	1 14	0 34	2 19	15 27	0 22	18 29	1 43	9 50	11 23	0 37	0 25	7 24	17 52	4 46	M15
T 16	23 22	18 13	4 55	25 11	1 56	13 51	2 17	20 21	1 19	6 35	1 14	0 35	2 19	15 26	0 22	18 29	1 43	9 50	11 23	0 32	0 24	7 23	17 53	4 47	T 16
W17	23 24	18 26	5 0	25 4	1 57	14 12	2 17	20 11	1 18	6 39	1 14	0 36	2 19	15 26	0 22	18 29	1 43	9 50	11 23	0 27	0 23	7 21	17 53	4 47	W17
T 18	23 26	17 44	4 51	24 56	1 58	14 32	2 16	20 2	1 18	6 42	1 14	0 37	2 19	15 26	0 22	18 29	1 43	9 51	11 23	0 22	0 21	7 19	17 54	4 47	T 18
F 19	23 27	16 11	4 27	24 45	1 58	14 52	2 15	19 52	1 18	6 45	1 15	0 38	2 20	15 25	0 22	18 28	1 43	9 51	11 23	0 17	0 20	7 18	17 54	4 47	F 19
S 20	23 28	13 56	3 52	24 32	1 57	15 12	2 14	19 43	1 17	6 49	1 15	0 39	2 20	15 25	0 22	18 28	1 43	9 51	11 23	0 14	0 19	7 16	17 54	4 47	S 20
S 21	23 29	11 7	3 6	24 17	1 56	15 31	2 13	19 33	1 17	6 52	1 15	0 39	2 20	15 24	0 22	18 28	1 43	9 51	11 23	0 11	0 18	7 14	17 55	4 47	S 21
M22	23 29	7 53	2 13	24 1	1 54	15 51	2 12	19 23	1 17	6 55	1 15	0 40	2 20	15 24	0 22	18 28	1 43	9 51	11 23	0 10	0 16	7 13	17 55	4 48	M22
T 23	23 29	4 20	1 15	23 43	1 51	16 10	2 11	19 13	1 16	6 59	1 15	0 41	2 21	15 23	0 22	18 27	1 43	9 51	11 23	0 9	0 15	7 11	17 56	4 48	T 23
W24	23 28	0 37	0 13	23 24	1 48	16 28	2 10	19 3	1 16	7 2	1 16	0 42	2 21	15 23	0 22	18 27	1 43	9 51	11 23	0 9	0 14	7 9	17 56	4 48	W24
T 25	23 27	3s 9	0n50	23 3	1 44	16 47	2 8	18 52	1 16	7 5	1 16	0 43	2 21	15 23	0 22	18 27	1 43	9 52	11 23	0 9	0 13	7 7	17 56	4 48	T 25
F 26	23 25	6 52	1 52	22 41	1 39	17 5	2 7	18 42	1 15	7 8	1 16	0 43	2 22	15 22	0 22	18 27	1 43	9 52	11 23	0 8	0 11	7 6	17 57	4 48	F 26
S 27	23 23	10 22	2 50	22 18	1 34	17 22	2 5	18 31	1 15	7 11	1 16	0 44	2 22	15 22	0 22	18 26	1 42	9 52	11 23	0 7	0 10	7 4	17 57	4 49	S 27
S 28	23 21	13 29	3 41	21 54	1 28	17 40	2 4	18 21	1 15	7 14	1 16	0 45	2 22	15 22	0 22	18 26	1 42	9 52	11 24	0 6	0 9	7 2	17 57	4 49	S 28
M29	23 18	16 1	4 22	21 29	1 22	17 56	2 2	18 10	1 14	7 17	1 17	0 45	2 22	15 21	0 22	18 26	1 42	9 52	11 24	0 3	0 7	7 1	17 58	4 49	M29
T 30	23n15	17s44	4n50	21n 3	1n15	18n13	2s 0	17n59	1n14	7n19	1s17	0n46	2s23	15s21	0n22	18s26	1n42	9n52	11s24	0n 1	0s 6	6n59	17n58	4s49	T 30

Julian Day Number = 2321304.5, Delta T = 47.94 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'47, Lahiri = 18°52'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

JULY 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 35 19	8♋46'05	28♐12	3♌ 4	1♊ 7	14♌ 7	21♈56	7♈27	12°R44	29°R33	4♊32	29°R46	0♎12	7♍24	16♊12	W 1
T 2	18 39 16	9°43'15	12♑35	4°27	2°16	14°44	22° 4	7°29	12♏43	29♏32	4°34	29♍35	0° 9	7°31	16°17	T 2
F 3	18 43 12	10°40'25	27°11	5°47	3°26	15°21	22°12	7°31	12°42	29°31	4°35	29°25	0° 6	7°37	16°22	F 3
S 4	18 47 9	11°37'35	11♒54	7° 5	4°36	15°58	22°19	7°32	12°41	29°29	4°36	29°16	0° 3	7°44	16°27	S 4
S 5	18 51 5	12°34'46	26°35	8°20	5°45	16°35	22°26	7°34	12°40	29°28	4°37	29°11	29♍59	7°50	16°32	S 5
M 6	18 55 2	13°31'57	11♓ 8	9°33	6°55	17°12	22°34	7°35	12°39	29°27	4°38	29° 8	29°57	7°57	16°37	M 6
T 7	18 58 58	14°29'08	25°30	10°44	8° 5	17°49	22°41	7°37	12°38	29°26	4°39	29°D 7	29°53	8° 4	16°42	T 7
W 8	19 2 55	15°26'20	9♈38	11°51	9°15	18°26	22°48	7°38	12°38	29°25	4°40	29°R 7	29°50	8°10	16°47	W 8
T 9	19 6 52	16°23'33	23°31	12°56	10°26	19° 3	22°54	7°39	12°37	29°24	4°41	29° 7	29°47	8°17	16°52	T 9
F 10	19 10 48	17°20'46	7♉10	13°58	11°36	19°40	23° 1	7°40	12°36	29°23	4°42	29° 5	29°44	8°24	16°57	F 10
S 11	19 14 45	18°18'00	20°35	14°58	12°46	20°17	23° 7	7°41	12°36	29°22	4°44	29° 2	29°41	8°30	17° 1	S 11
S 12	19 18 41	19°15'15	3♊47	15°54	13°56	20°55	23°14	7°42	12°35	29°21	4°45	28°55	29°37	8°37	17° 6	S 12
M13	19 22 38	20°12'30	16°47	16°47	15° 7	21°32	23°20	7°43	12°35	29°21	4°46	28°47	29°34	8°44	17°11	M13
T 14	19 26 34	21° 9'46	29°34	17°36	16°17	22° 9	23°26	7°44	12°34	29°20	4°47	28°36	29°31	8°50	17°16	T 14
W15	19 30 31	22° 7'03	12♋10	18°23	17°28	22°46	23°32	7°44	12°34	29°19	4°48	28°24	29°28	8°57	17°20	W15
T 16	19 34 27	23° 4'20	24°34	19° 5	18°39	23°24	23°37	7°45	12°34	29°18	4°49	28°13	29°25	9° 4	17°25	T 16
F 17	19 38 24	24° 1'37	6♌47	19°44	19°49	24° 1	23°43	7°45	12°33	29°17	4°50	28° 3	29°22	9°10	17°30	F 17
S 18	19 42 21	24°58'55	18°50	20°20	21° 0	24°38	23°48	7°45	12°33	29°17	4°50	27°54	29°18	9°17	17°34	S 18
S 19	19 46 17	25°56'14	0♍44	20°51	22°11	25°16	23°53	7°45	12°33	29°16	4°51	27°48	29°15	9°24	17°39	S 19
M20	19 50 14	26°53'33	12°33	21°18	23°22	25°53	23°58	7°R45	12°33	29°15	4°52	27°45	29°12	9°30	17°43	M20
T 21	19 54 10	27°50'52	24°19	21°40	24°33	26°31	24° 3	7°45	12°33	29°14	4°53	27°D44	29° 9	9°37	17°48	T 21
W22	19 58 7	28°48'12	6♎ 8	21°58	25°44	27° 8	24° 8	7°45	12°D33	29°14	4°54	27°44	29° 6	9°44	17°52	W22
T 23	20 2 3	29°45'32	18° 4	22°12	26°55	27°46	24°12	7°45	12°33	29°13	4°55	27°45	29° 3	9°50	17°57	T 23
F 24	20 6 0	0♏42'53	0♏11	22°20	28° 6	28°23	24°16	7°44	12°33	29°13	4°56	27°R45	28°59	9°57	18° 1	F 24
S 25	20 9 56	1°40'15	12°37	22°R24	29°17	29° 1	24°20	7°44	12°33	29°12	4°57	27°44	28°56	10° 4	18° 5	S 25
S 26	20 13 53	2°37'37	25°24	22°22	0♋29	29°38	24°24	7°43	12°33	29°12	4°57	27°42	28°53	10°10	18°10	S 26
M27	20 17 50	3°34'59	8♐38	22°15	1°40	0♍16	24°28	7°43	12°34	29°11	4°58	27°38	28°50	10°17	18°14	M27
T 28	20 21 46	4°32'23	22°19	22° 3	2°51	0°53	24°32	7°42	12°34	29°11	4°59	27°31	28°47	10°24	18°18	T 28
W29	20 25 43	5°29'47	6♑29	21°46	4° 3	1°31	24°35	7°41	12°34	29°10	5° 0	27°24	28°43	10°30	18°22	W29
T 30	20 29 39	6°27'12	21° 2	21°24	5°14	2° 9	24°38	7°40	12°35	29°10	5° 1	27°16	28°40	10°37	18°26	T 30
F 31	20 33 36	7♌24'37	5♒54	20♌57	6♋26	2♍46	24♈41	7♈39	12♏35	29♏ 9	5♊ 1	27♍ 9	28♍37	10♍43	18♊30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n12	18s27	5n 1	20n36	1n 7	18n29	1s59	17n48	1n14	7n22	1s17	0n46	2s23	15s21	0n22	18s25	1n42	9n52	11s24	0n 6	0s 5	6n57	17n58	4s49
T 2	23 8	18 1	4 54	20 9	1 0	18 45	1 57	17 37	1 13	7 25	1 17	0 47	2 23	15 20	0 22	18 25	1 42	9 52	11 24	0 10	0 4	6 55	17 58	4 50
F 3	23 3	16 24	4 27	19 41	0 51	19 0	1 55	17 26	1 13	7 27	1 18	0 47	2 23	15 20	0 22	18 25	1 42	9 52	11 24	0 14	0 2	6 54	17 59	4 50
S 4	22 58	13 41	3 43	19 13	0 42	19 15	1 53	17 14	1 13	7 30	1 18	0 48	2 24	15 20	0 21	18 25	1 42	9 53	11 24	0 17	0 1	6 52	17 59	4 50
S 5	22 53	10 7	2 43	18 45	0 33	19 29	1 51	17 3	1 12	7 33	1 18	0 48	2 24	15 20	0 21	18 25	1 42	9 53	11 24	0 20	0n 0	6 50	17 59	4 50
M 6	22 48	5 57	1 34	18 16	0 23	19 43	1 49	16 51	1 12	7 35	1 18	0 48	2 24	15 19	0 21	18 25	1 42	9 53	11 24	0 21	0 1	6 49	17 59	4 51
T 7	22 42	1 30	0 19	17 47	0 13	19 57	1 47	16 39	1 12	7 37	1 18	0 49	2 25	15 19	0 21	18 24	1 42	9 53	11 24	0 21	0 3	6 47	18 0	4 51
W 8	22 35	2n58	0s56	17 18	0 3	20 10	1 44	16 28	1 11	7 40	1 19	0 49	2 25	15 19	0 21	18 24	1 42	9 53	11 25	0 21	0 4	6 45	18 0	4 51
T 9	22 28	7 12	2 6	16 50	0s 8	20 22	1 42	16 16	1 11	7 42	1 19	0 49	2 25	15 19	0 21	18 24	1 42	9 53	11 25	0 21	0 5	6 43	18 0	4 51
F 10	22 21	10 58	3 8	16 21	0 20	20 34	1 40	16 4	1 11	7 44	1 19	0 49	2 25	15 19	0 21	18 24	1 42	9 53	11 25	0 22	0 6	6 42	18 0	4 52
S 11	22 14	14 6	3 58	15 53	0 31	20 46	1 37	15 52	1 10	7 46	1 19	0 49	2 26	15 18	0 21	18 24	1 42	9 53	11 25	0 23	0 8	6 40	18 0	4 52
S 12	22 6	16 27	4 34	15 25	0 43	20 57	1 35	15 39	1 10	7 49	1 20	0 50	2 26	15 18	0 21	18 24	1 42	9 53	11 25	0 26	0 9	6 38	18 1	4 52
M13	21 58	17 55	4 56	14 57	0 55	21 7	1 33	15 27	1 9	7 51	1 20	0 50	2 26	15 18	0 21	18 23	1 42	9 53	11 25	0 29	0 10	6 37	18 1	4 52
T 14	21 49	18 26	5 3	14 30	1 8	21 17	1 30	15 14	1 9	7 53	1 20	0 50	2 27	15 18	0 21	18 23	1 42	9 53	11 25	0 33	0 12	6 35	18 1	4 53
W15	21 40	18 3	4 54	14 4	1 21	21 26	1 27	15 2	1 9	7 54	1 20	0 50	2 27	15 18	0 21	18 23	1 42	9 53	11 26	0 38	0 13	6 33	18 1	4 53
T 16	21 30	16 47	4 32	13 39	1 33	21 35	1 25	14 49	1 8	7 56	1 21	0 49	2 27	15 18	0 21	18 23	1 42	9 53	11 26	0 43	0 14	6 31	18 1	4 53
F 17	21 21	14 47	3 57	13 14	1 47	21 44	1 22	14 37	1 8	7 58	1 21	0 49	2 27	15 18	0 21	18 23	1 42	9 53	11 26	0 47	0 15	6 30	18 1	4 54
S 18	21 10	12 10	3 12	12 51	2 0	21 51	1 20	14 24	1 8	8 0	1 21	0 49	2 28	15 18	0 21	18 23	1 42	9 53	11 26	0 50	0 17	6 28	18 1	4 54
S 19	21 0	9 4	2 19	12 28	2 13	21 58	1 17	14 11	1 7	8 2	1 21	0 49	2 28	15 18	0 21	18 23	1 41	9 53	11 26	0 52	0 18	6 26	18 2	4 54
M20	20 49	5 38	1 20	12 7	2 26	22 5	1 14	13 58	1 7	8 3	1 22	0 49	2 28	15 18	0 21	18 23	1 41	9 53	11 26	0 54	0 19	6 25	18 2	4 54
T 21	20 38	1 59	0 18	11 47	2 40	22 11	1 11	13 45	1 6	8 5	1 22	0 48	2 29	15 18	0 21	18 22	1 41	9 53	11 26	0 54	0 20	6 23	18 2	4 55
W22	20 26	1s45	0n45	11 29	2 53	22 16	1 9	13 31	1 6	8 6	1 22	0 48	2 29	15 18	0 21	18 22	1 41	9 53	11 27	0 54	0 22	6 21	18 2	4 55
T 23	20 14	5 27	1 47	11 12	3 6	22 21	1 6	13 18	1 6	8 8	1 22	0 48	2 29	15 18	0 21	18 22	1 41	9 53	11 27	0 54	0 23	6 19	18 2	4 55
F 24	20 2	8 59	2 45	10 57	3 19	22 25	1 3	13 5	1 5	8 9	1 23	0 47	2 29	15 18	0 21	18 22	1 41	9 53	11 27	0 54	0 24	6 18	18 2	4 56
S 25	19 49	12 12	3 37	10 44	3 31	22 29	1 0	12 51	1 5	8 10	1 23	0 47	2 30	15 18	0 21	18 22	1 41	9 53	11 27	0 54	0 25	6 16	18 2	4 56
S 26	19 37	14 56	4 20	10 34	3 43	22 32	0 57	12 38	1 5	8 11	1 23	0 46	2 30	15 18	0 21	18 22	1 41	9 53	11 27	0 55	0 27	6 14	18 2	4 56
M27	19 23	17 0	4 51	10 25	3 55	22 34	0 54	12 24	1 4	8 12	1 23	0 46	2 30	15 18	0 21	18 22	1 41	9 53	11 27	0 57	0 28	6 12	18 2	4 57
T 28	19 10	18 10	5 6	10 18	4 6	22 36	0 51	12 10	1 4	8 13	1 24	0 45	2 30	15 18	0 21	18 22	1 41	9 53	11 28	0 59	0 29	6 11	18 2	4 57
W29	18 56	18 17	5 3	10 14	4 16	22 37	0 48	11 57	1 3	8 14	1 24	0 45	2 31	15 18	0 21	18 22	1 41	9 53	11 28	1 2	0 30	6 9	18 2	4 58
T 30	18 42	17 12	4 41	10 13	4 25	22 37	0 46	11 43	1 3	8 15	1 24	0 44	2 31	15 19	0 21	18 22	1 41	9 53	11 28	1 5	0 32	6 7	18 2	4 58
F 31	18n27	14s57	4n 0	10n14	4s33	22n37	0s43	11n29	1n 3	8n16	1s24	0n43	2s31	15s19	0n21	18s22	1n41	9n53	11s28	1n 8	0n33	6n 6	18n 2	4s58

Julian Day Number = 2321334.5, Delta T = 47.88 sec
Ecliptic obliquity = 23°28'58, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'52, Lahiri = 18°52'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

AUGUST 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 37 32	8♌22'04	20♒56	20°R25	7♋38	3♍24	24♈44	7°R38	12♏36	29°R 9	5♊ 2	27°R 3	28♍34	10♍50	18♊34	S 1
S 2	20 41 29	9°19'32	5♓58	19♌49	8°49	4° 2	24°46	7♈37	12°36	29♏ 9	5° 3	26♍59	28°31	10°57	18°38	S 2
M 3	20 45 25	10°17'00	20°52	19° 9	10° 1	4°40	24°49	7°35	12°37	29° 9	5° 3	26°D57	28°28	11° 3	18°42	M 3
T 4	20 49 22	11°14'31	5♈32	18°25	11°13	5°17	24°51	7°34	12°37	29° 8	5° 4	26°58	28°24	11°10	18°46	T 4
W 5	20 53 19	12°12'02	19°52	17°39	12°25	5°55	24°53	7°32	12°38	29° 8	5° 5	26°59	28°21	11°17	18°50	W 5
T 6	20 57 15	13° 9'35	3♉52	16°51	13°37	6°33	24°55	7°31	12°39	29° 8	5° 5	27° 0	28°18	11°23	18°54	T 6
F 7	21 1 12	14° 7'10	17°30	16° 2	14°49	7°11	24°57	7°29	12°40	29° 8	5° 6	27°R 0	28°15	11°30	18°57	F 7
S 8	21 5 8	15° 4'46	0♊49	15°13	16° 1	7°49	24°58	7°27	12°41	29° 8	5° 6	26°59	28°12	11°37	19° 1	S 8
S 9	21 9 5	16° 2'23	13°49	14°25	17°13	8°27	24°59	7°25	12°42	29° 8	5° 7	26°56	28° 9	11°43	19° 5	S 9
M10	21 13 1	17° 0'02	26°35	13°38	18°25	9° 5	25° 0	7°23	12°42	29° 7	5° 8	26°51	28° 5	11°50	19° 8	M10
T 11	21 16 58	17°57'43	9♋ 6	12°54	19°38	9°43	25° 1	7°21	12°44	29°D 7	5° 8	26°45	28° 2	11°57	19°12	T 11
W12	21 20 54	18°55'25	21°26	12°13	20°50	10°21	25° 2	7°19	12°45	29° 7	5° 9	26°38	27°59	12° 3	19°15	W12
T 13	21 24 51	19°53'08	3♌36	11°37	22° 2	10°59	25° 2	7°16	12°46	29° 8	5° 9	26°32	27°56	12°10	19°18	T 13
F 14	21 28 48	20°50'53	15°37	11° 6	23°15	11°37	25° 3	7°14	12°47	29° 8	5°10	26°26	27°53	12°17	19°22	F 14
S 15	21 32 44	21°48'39	27°32	10°41	24°27	12°15	25°R 3	7°11	12°48	29° 8	5°10	26°21	27°49	12°23	19°25	S 15
S 16	21 36 41	22°46'27	9♍21	10°22	25°40	12°54	25° 3	7° 9	12°49	29° 8	5°10	26°18	27°46	12°30	19°28	S 16
M17	21 40 37	23°44'16	21° 8	10°11	26°52	13°32	25° 2	7° 6	12°51	29° 8	5°11	26°D17	27°43	12°37	19°31	M17
T 18	21 44 34	24°42'06	2♎55	10°D 7	28° 5	14°10	25° 2	7° 3	12°52	29° 8	5°11	26°17	27°40	12°43	19°35	T 18
W19	21 48 30	25°39'58	14°45	10°10	29°18	14°48	25° 1	7° 1	12°54	29° 8	5°12	26°18	27°37	12°50	19°38	W19
T 20	21 52 27	26°37'50	26°42	10°22	0♌31	15°27	25° 0	6°58	12°55	29° 9	5°12	26°20	27°34	12°56	19°41	T 20
F 21	21 56 23	27°35'45	8♏50	10°41	1°43	16° 5	24°59	6°55	12°57	29° 9	5°12	26°21	27°30	13° 3	19°43	F 21
S 22	22 0 20	28°33'40	21°14	11° 9	2°56	16°43	24°57	6°52	12°58	29° 9	5°13	26°22	27°27	13°10	19°46	S 22
S 23	22 4 17	29°31'37	3♐58	11°44	4° 9	17°22	24°56	6°48	13° 0	29°10	5°13	26°R22	27°24	13°16	19°49	S 23
M24	22 8 13	0♍29'35	17° 7	12°27	5°22	18° 0	24°54	6°45	13° 1	29°10	5°13	26°21	27°21	13°23	19°52	M24
T 25	22 12 10	1°27'34	0♑43	13°17	6°35	18°39	24°52	6°42	13° 3	29°11	5°13	26°19	27°18	13°30	19°54	T 25
W26	22 16 6	2°25'35	14°47	14°15	7°48	19°17	24°50	6°38	13° 5	29°11	5°14	26°17	27°15	13°36	19°57	W26
T 27	22 20 3	3°23'38	29°17	15°20	9° 2	19°56	24°48	6°35	13° 7	29°12	5°14	26°13	27°11	13°43	19°59	T 27
F 28	22 23 59	4°21'41	14♒10	16°31	10°15	20°34	24°45	6°31	13° 8	29°12	5°14	26°11	27° 8	13°50	20° 2	F 28
S 29	22 27 56	5°19'46	29°18	17°49	11°28	21°13	24°43	6°28	13°10	29°13	5°14	26° 8	27° 5	13°56	20° 4	S 29
S 30	22 31 52	6°17'53	14♓31	19°12	12°41	21°51	24°40	6°24	13°12	29°13	5°14	26° 7	27° 2	14° 3	20° 7	S 30
M31	22 35 49	7♍16'02	29♓40	20♌40	13♌55	22♍30	24♈37	6♈20	13♏14	29♏14	5♊14	26°D 7	26♍59	14♍10	20♊ 9	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	18n12	11s40	3n 2	10n17	4s39	22n36	0s40	11n15	1n 2	8n17	1s25	0n43	2s32	15s19	0n21	18s22	1n41	9n53	11s28	1n11	0n34	6n 4	18n 2	4s59	S 1
S 2	17 57	7 37	1 51	10 24	4 45	22 35	0 37	11 1	1 2	8 18	1 25	0 42	2 32	15 19	0 21	18 22	1 41	9 53	11 28	1 12	0 36	6 2	18 2	4 59	S 2
M 3	17 42	3 7	0 33	10 32	4 48	22 33	0 34	10 46	1 1	8 18	1 25	0 41	2 32	15 19	0 21	18 22	1 41	9 53	11 29	1 13	0 37	6 0	18 2	4 59	M 3
T 4	17 26	1n30	0s46	10 43	4 51	22 30	0 31	10 32	1 1	8 19	1 25	0 40	2 32	15 20	0 21	18 22	1 41	9 53	11 29	1 13	0 38	5 59	18 2	5 0	T 4
W 5	17 10	5 55	2 1	10 57	4 51	22 26	0 28	10 18	1 1	8 19	1 26	0 40	2 33	15 20	0 21	18 22	1 41	9 53	11 29	1 12	0 39	5 57	18 2	5 0	W 5
T 6	16 54	9 54	3 7	11 12	4 50	22 22	0 25	10 3	1 0	8 20	1 26	0 39	2 33	15 20	0 21	18 22	1 40	9 53	11 29	1 12	0 41	5 55	18 1	5 1	T 6
F 7	16 37	13 15	4 0	11 30	4 47	22 18	0 22	9 49	1 0	8 20	1 26	0 38	2 33	15 20	0 21	18 22	1 40	9 53	11 29	1 12	0 42	5 53	18 1	5 1	F 7
S 8	16 21	15 49	4 39	11 49	4 41	22 12	0 19	9 34	0 59	8 21	1 26	0 37	2 33	15 21	0 21	18 22	1 40	9 52	11 30	1 12	0 43	5 52	18 1	5 1	S 8
S 9	16 3	17 30	5 2	12 9	4 35	22 6	0 16	9 20	0 59	8 21	1 27	0 36	2 34	15 21	0 21	18 22	1 40	9 52	11 30	1 13	0 44	5 50	18 1	5 2	S 9
M10	15 46	18 16	5 10	12 31	4 26	22 0	0 13	9 5	0 59	8 21	1 27	0 35	2 34	15 21	0 20	18 22	1 40	9 52	11 30	1 15	0 46	5 48	18 1	5 2	M10
T 11	15 29	18 8	5 3	12 53	4 15	21 53	0 10	8 50	0 58	8 21	1 27	0 34	2 34	15 22	0 20	18 22	1 40	9 52	11 30	1 18	0 47	5 46	18 1	5 3	T 11
W12	15 11	17 8	4 42	13 16	4 3	21 45	0 7	8 36	0 58	8 21	1 27	0 33	2 34	15 22	0 20	18 22	1 40	9 52	11 30	1 20	0 48	5 45	18 1	5 3	W12
T 13	14 53	15 21	4 8	13 39	3 50	21 36	0 4	8 21	0 57	8 21	1 28	0 31	2 35	15 22	0 20	18 22	1 40	9 52	11 31	1 23	0 49	5 43	18 1	5 3	T 13
F 14	14 34	12 56	3 24	14 1	3 35	21 27	0 1	8 6	0 57	8 21	1 28	0 30	2 35	15 23	0 20	18 22	1 40	9 52	11 31	1 25	0 51	5 41	18 0	5 4	F 14
S 15	14 16	9 59	2 31	14 23	3 20	21 17	0n 1	7 51	0 57	8 21	1 28	0 29	2 35	15 23	0 20	18 22	1 40	9 52	11 31	1 27	0 52	5 39	18 0	5 4	S 15
S 16	13 57	6 40	1 31	14 44	3 3	21 7	0 4	7 36	0 56	8 20	1 28	0 28	2 35	15 24	0 20	18 23	1 40	9 52	11 31	1 28	0 53	5 38	18 0	5 5	S 16
M17	13 38	3 5	0 28	15 4	2 46	20 56	0 7	7 21	0 56	8 20	1 29	0 27	2 36	15 24	0 20	18 23	1 40	9 51	11 31	1 29	0 55	5 36	18 0	5 5	M17
T 18	13 19	0s36	0n36	15 22	2 28	20 45	0 10	7 6	0 55	8 19	1 29	0 25	2 36	15 24	0 20	18 23	1 40	9 51	11 32	1 29	0 56	5 34	18 0	5 6	T 18
W19	12 59	4 17	1 40	15 38	2 10	20 32	0 13	6 50	0 55	8 19	1 29	0 24	2 36	15 25	0 20	18 23	1 40	9 51	11 32	1 28	0 57	5 32	17 59	5 6	W19
T 20	12 40	7 50	2 39	15 53	1 52	20 20	0 15	6 35	0 54	8 18	1 29	0 23	2 36	15 25	0 20	18 23	1 40	9 51	11 32	1 28	0 58	5 31	17 59	5 7	T 20
F 21	12 20	11 6	3 33	16 5	1 34	20 6	0 18	6 20	0 54	8 18	1 30	0 21	2 36	15 26	0 20	18 23	1 40	9 51	11 32	1 27	1 0	5 29	17 59	5 7	F 21
S 22	12 0	13 57	4 18	16 14	1 16	19 52	0 21	6 4	0 54	8 17	1 30	0 20	2 37	15 26	0 20	18 23	1 40	9 51	11 32	1 27	1 1	5 27	17 59	5 7	S 22
S 23	11 40	16 12	4 51	16 21	0 59	19 38	0 23	5 49	0 53	8 16	1 30	0 18	2 37	15 27	0 20	18 23	1 39	9 51	11 33	1 27	1 2	5 25	17 58	5 8	S 23
M24	11 19	17 42	5 11	16 26	0 42	19 23	0 26	5 34	0 53	8 15	1 30	0 17	2 37	15 27	0 20	18 23	1 39	9 50	11 33	1 27	1 3	5 24	17 58	5 8	M24
T 25	10 59	18 15	5 14	16 27	0 26	19 7	0 29	5 18	0 52	8 14	1 31	0 15	2 37	15 28	0 20	18 24	1 39	9 50	11 33	1 28	1 5	5 22	17 58	5 9	T 25
W26	10 38	17 43	4 59	16 25	0 10	18 51	0 31	5 3	0 52	8 13	1 31	0 14	2 37	15 28	0 20	18 24	1 39	9 50	11 33	1 29	1 6	5 20	17 58	5 9	W26
T 27	10 17	16 1	4 24	16 20	0n 5	18 34	0 34	4 47	0 51	8 12	1 31	0 12	2 38	15 29	0 20	18 24	1 39	9 50	11 33	1 30	1 7	5 18	17 57	5 10	T 27
F 28	9 56	13 14	3 31	16 13	0 19	18 17	0 36	4 32	0 51	8 11	1 31	0 11	2 38	15 30	0 20	18 24	1 39	9 50	11 34	1 31	1 8	5 17	17 57	5 10	F 28
S 29	9 34	9 31	2 23	16 1	0 32	17 59	0 38	4 16	0 51	8 10	1 32	0 9	2 38	15 30	0 20	18 24	1 39	9 49	11 34	1 32	1 10	5 15	17 57	5 11	S 29
S 30	9 13	5 8	1 4	15 47	0 44	17 41	0 41	4 0	0 50	8 9	1 32	0 8	2 38	15 31	0 20	18 25	1 39	9 49	11 34	1 33	1 11	5 13	17 56	5 11	S 30
M31	8n51	0s26	0s20	15n30	0n55	17n22	0n43	3n45	0n50	8n 7	1s32	0n 6	2s38	15s31	0n20	18s25	1n39	9n49	11s34	1n33	1n12	5n11	17n56	5s12	M31

Julian Day Number = 2321365.5, Delta T = 47.82 sec
Ecliptic obliquity = 23°28'59, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°45'56, Lahiri = 18°52'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

SEPTEMBER 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 39 45	8♍14'12	14♈36	22♌13	15♌ 8	23♍ 9	24°R33	6°R17	13♏16	29♏15	5♊14	26♍ 7	26♍55	14♍16	20♊11	T 1
W 2	22 43 42	9°12'25	29°12	23°50	16°21	23°47	24♈30	6♈13	13°18	29°15	5°14	26° 9	26°52	14°23	20°13	W 2
T 3	22 47 39	10°10'39	13♉24	25°30	17°35	24°26	24°26	6° 9	13°21	29°16	5°15	26°10	26°49	14°30	20°15	T 3
F 4	22 51 35	11° 8'56	27°10	27°14	18°49	25° 5	24°22	6° 5	13°23	29°17	5°15	26°11	26°46	14°36	20°17	F 4
S 5	22 55 32	12° 7'15	10♊31	29° 0	20° 2	25°44	24°18	6° 1	13°25	29°18	5°R15	26°R11	26°43	14°43	20°19	S 5
S 6	22 59 28	13° 5'36	23°30	0♍48	21°16	26°23	24°14	5°57	13°27	29°18	5°15	26°11	26°40	14°50	20°21	S 6
M 7	23 3 25	14° 3'59	6♋ 9	2°38	22°29	27° 2	24°10	5°53	13°29	29°19	5°15	26°10	26°36	14°56	20°23	M 7
T 8	23 7 21	15° 2'24	18°31	4°30	23°43	27°41	24° 5	5°48	13°32	29°20	5°14	26° 9	26°33	15° 3	20°24	T 8
W 9	23 11 18	16° 0'51	0♌41	6°22	24°57	28°20	24° 0	5°44	13°34	29°21	5°14	26° 7	26°30	15° 9	20°26	W 9
T 10	23 15 14	16°59'20	12°41	8°15	26°11	28°59	23°55	5°40	13°37	29°22	5°14	26° 6	26°27	15°16	20°27	T 10
F 11	23 19 11	17°57'52	24°34	10° 8	27°25	29°38	23°50	5°35	13°39	29°23	5°14	26° 5	26°24	15°23	20°29	F 11
S 12	23 23 8	18°56'25	6♍23	12° 1	28°39	0♎17	23°45	5°31	13°42	29°24	5°14	26° 4	26°20	15°29	20°30	S 12
S 13	23 27 4	19°55'00	18°10	13°54	29°53	0°56	23°40	5°27	13°44	29°25	5°14	26° 4	26°17	15°36	20°32	S 13
M14	23 31 1	20°53'37	29°58	15°46	1♍ 7	1°35	23°34	5°22	13°47	29°26	5°14	26°D 4	26°14	15°43	20°33	M14
T 15	23 34 57	21°52'16	11♎48	17°39	2°21	2°14	23°28	5°18	13°49	29°27	5°13	26° 4	26°11	15°49	20°34	T 15
W16	23 38 54	22°50'57	23°44	19°30	3°35	2°53	23°22	5°13	13°52	29°28	5°13	26° 4	26° 8	15°56	20°35	W16
T 17	23 42 50	23°49'40	5♏47	21°21	4°49	3°33	23°16	5° 9	13°55	29°29	5°13	26° 4	26° 5	16° 3	20°36	T 17
F 18	23 46 47	24°48'25	18° 1	23°12	6° 3	4°12	23°10	5° 4	13°57	29°31	5°13	26° 5	26° 1	16° 9	20°37	F 18
S 19	23 50 43	25°47'11	0♐29	25° 1	7°17	4°51	23° 4	5° 0	14° 0	29°32	5°12	26°R 5	25°58	16°16	20°38	S 19
S 20	23 54 40	26°45'59	13°13	26°50	8°32	5°31	22°57	4°55	14° 3	29°33	5°12	26° 5	25°55	16°23	20°38	S 20
M21	23 58 37	27°44'49	26°18	28°38	9°46	6°10	22°51	4°50	14° 6	29°34	5°12	26°D 5	25°52	16°29	20°39	M21
T 22	0 2 33	28°43'41	9♑46	0♎24	11° 0	6°50	22°44	4°46	14° 9	29°36	5°11	26° 5	25°49	16°36	20°40	T 22
W23	0 6 30	29°42'35	23°38	2°10	12°15	7°29	22°37	4°41	14°11	29°37	5°11	26° 5	25°46	16°43	20°40	W23
T 24	0 10 26	0♎41'30	7♒55	3°56	13°29	8° 9	22°30	4°36	14°14	29°38	5°11	26° 5	25°42	16°49	20°41	T 24
F 25	0 14 23	1°40'27	22°35	5°40	14°44	8°48	22°23	4°32	14°17	29°40	5°10	26° 6	25°39	16°56	20°41	F 25
S 26	0 18 19	2°39'25	7♓32	7°23	15°58	9°28	22°16	4°27	14°20	29°41	5°10	26° 6	25°36	17° 2	20°41	S 26
S 27	0 22 16	3°38'26	22°40	9° 6	17°13	10° 7	22° 9	4°22	14°23	29°42	5° 9	26°R 6	25°33	17° 9	20°42	S 27
M28	0 26 12	4°37'29	7♈49	10°47	18°27	10°47	22° 2	4°17	14°26	29°44	5° 9	26° 6	25°30	17°16	20°42	M28
T 29	0 30 9	5°36'33	22°51	12°28	19°42	11°27	21°54	4°13	14°29	29°45	5° 8	26° 6	25°26	17°22	20°R42	T 29
W30	0 34 5	6♎35'40	7♉37	14♎ 8	20♍56	12♎ 6	21♈47	4♈ 8	14♏33	29♏47	5♊ 8	26♍ 5	25♍23	17♍29	20♊42	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n30	4n13	1s41	15n 9	1n 5	17n 3	0n45	3n29	0n49	8n 6	1s32	0n 4	2s39	15s32	0n20	18s25	1n39	9n49	11s34	1n33	1n14	5n10	17n56	5s12
W 2	8 8	8 30	2 53	14 45	1 13	16 43	0 48	3 13	0 49	8 5	1 33	0 3	2 39	15 33	0 20	18 25	1 39	9 49	11 35	1 32	1 15	5 8	17 55	5 13
T 3	7 46	12 11	3 53	14 19	1 21	16 23	0 50	2 57	0 48	8 3	1 33	0 1	2 39	15 33	0 20	18 25	1 39	9 49	11 35	1 32	1 16	5 6	17 55	5 13
F 4	7 24	15 3	4 37	13 50	1 28	16 2	0 52	2 41	0 48	8 1	1 33	0s 1	2 39	15 34	0 20	18 26	1 39	9 48	11 35	1 31	1 17	5 4	17 55	5 14
S 5	7 2	17 2	5 5	13 18	1 34	15 41	0 54	2 26	0 48	8 0	1 33	0 3	2 39	15 35	0 20	18 26	1 39	9 48	11 35	1 31	1 19	5 2	17 54	5 14
S 6	6 39	18 3	5 17	12 45	1 39	15 19	0 56	2 10	0 47	7 58	1 33	0 4	2 39	15 35	0 20	18 26	1 39	9 48	11 35	1 31	1 20	5 1	17 54	5 15
M 7	6 17	18 8	5 12	12 9	1 42	14 57	0 58	1 54	0 47	7 56	1 34	0 6	2 39	15 36	0 20	18 26	1 39	9 48	11 36	1 32	1 21	4 59	17 54	5 15
T 8	5 54	17 21	4 53	11 31	1 45	14 35	1 0	1 38	0 46	7 54	1 34	0 8	2 40	15 37	0 20	18 26	1 39	9 47	11 36	1 32	1 22	4 57	17 53	5 16
W 9	5 32	15 47	4 21	10 51	1 47	14 12	1 2	1 22	0 46	7 52	1 34	0 10	2 40	15 38	0 20	18 27	1 38	9 47	11 36	1 33	1 24	4 55	17 53	5 16
T 10	5 9	13 32	3 38	10 10	1 49	13 49	1 4	1 6	0 45	7 50	1 34	0 12	2 40	15 38	0 20	18 27	1 38	9 47	11 36	1 33	1 25	4 54	17 52	5 17
F 11	4 46	10 45	2 46	9 28	1 49	13 25	1 5	0 50	0 45	7 48	1 34	0 13	2 40	15 39	0 20	18 27	1 38	9 47	11 37	1 34	1 26	4 52	17 52	5 17
S 12	4 23	7 32	1 47	8 45	1 49	13 1	1 7	0 34	0 44	7 46	1 34	0 15	2 40	15 40	0 20	18 28	1 38	9 47	11 37	1 34	1 27	4 50	17 52	5 18
S 13	4 0	4 1	0 44	8 0	1 48	12 36	1 9	0 18	0 44	7 44	1 35	0 17	2 40	15 41	0 20	18 28	1 38	9 46	11 37	1 34	1 29	4 48	17 51	5 18
M14	3 37	0 21	0n22	7 15	1 46	12 12	1 10	0 2	0 43	7 42	1 35	0 19	2 40	15 41	0 20	18 28	1 38	9 46	11 37	1 34	1 30	4 47	17 51	5 19
T 15	3 14	3s21	1 26	6 29	1 44	11 46	1 12	0s14	0 43	7 40	1 35	0 21	2 40	15 42	0 20	18 28	1 38	9 46	11 37	1 34	1 31	4 45	17 50	5 19
W16	2 51	6 56	2 28	5 43	1 42	11 21	1 13	0 30	0 42	7 37	1 35	0 23	2 41	15 43	0 20	18 29	1 38	9 46	11 38	1 34	1 32	4 43	17 50	5 20
T 17	2 27	10 16	3 24	4 57	1 39	10 55	1 15	0 46	0 42	7 35	1 35	0 25	2 41	15 44	0 20	18 29	1 38	9 45	11 38	1 34	1 34	4 41	17 49	5 20
F 18	2 4	13 13	4 11	4 10	1 35	10 29	1 16	1 2	0 42	7 33	1 35	0 26	2 41	15 45	0 20	18 29	1 38	9 45	11 38	1 34	1 35	4 39	17 49	5 21
S 19	1 41	15 36	4 47	3 22	1 31	10 3	1 17	1 18	0 41	7 30	1 36	0 28	2 41	15 46	0 19	18 30	1 38	9 45	11 38	1 34	1 36	4 38	17 48	5 21
S 20	1 17	17 18	5 10	2 35	1 27	9 36	1 19	1 34	0 41	7 28	1 36	0 30	2 41	15 46	0 19	18 30	1 38	9 45	11 38	1 34	1 38	4 36	17 48	5 22
M21	0 54	18 8	5 18	1 48	1 22	9 9	1 20	1 50	0 40	7 25	1 36	0 32	2 41	15 47	0 19	18 30	1 38	9 44	11 39	1 34	1 39	4 34	17 47	5 22
T 22	0 30	17 59	5 9	1 1	1 17	8 42	1 21	2 6	0 40	7 23	1 36	0 34	2 41	15 48	0 19	18 31	1 38	9 44	11 39	1 34	1 40	4 32	17 47	5 23
W23	0 7	16 46	4 42	0 14	1 12	8 14	1 22	2 23	0 39	7 20	1 36	0 36	2 41	15 49	0 19	18 31	1 38	9 44	11 39	1 34	1 41	4 31	17 46	5 24
T 24	0s17	14 30	3 57	0s33	1 6	7 47	1 23	2 39	0 39	7 17	1 36	0 38	2 41	15 50	0 19	18 31	1 38	9 44	11 39	1 33	1 43	4 29	17 46	5 24
F 25	0 40	11 14	2 56	1 20	1 0	7 19	1 24	2 55	0 38	7 15	1 36	0 40	2 41	15 51	0 19	18 32	1 38	9 43	11 39	1 33	1 44	4 27	17 45	5 25
S 26	1 3	7 11	1 42	2 6	0 54	6 50	1 24	3 11	0 38	7 12	1 36	0 42	2 41	15 52	0 19	18 32	1 38	9 43	11 39	1 33	1 45	4 25	17 45	5 25
S 27	1 27	2 38	0 19	2 53	0 48	6 22	1 25	3 27	0 37	7 9	1 36	0 44	2 41	15 53	0 19	18 32	1 38	9 43	11 40	1 33	1 46	4 23	17 44	5 26
M28	1 50	2n 7	1s 5	3 38	0 42	5 53	1 26	3 43	0 37	7 6	1 36	0 45	2 41	15 54	0 19	18 33	1 37	9 43	11 40	1 33	1 48	4 22	17 44	5 26
T 29	2 14	6 41	2 23	4 24	0 35	5 25	1 26	3 59	0 36	7 3	1 37	0 47	2 41	15 55	0 19	18 33	1 37	9 42	11 40	1 33	1 49	4 20	17 43	5 27
W30	2s37	10n45	3s31	5s 9	0n29	4n56	1n27	4s15	0n36	7n 0	1s37	0s49	2s41	15s55	0n19	18s33	1n37	9n42	11s40	1n34	1n50	4n18	17n43	5s27

Julian Day Number = 2321396.5, Delta T = 47.76 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'00, Lahiri = 18°53'01Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

OCTOBER 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 38 2	7♎34'49	22♉ 0	15♎47	22♍11	12♎46	21°R39	4°R 3	14♏36	29♏48	5°R 7	26°R 3	25♍20	17♍36	20°R42	T 1
F 2	0 41 59	8°34'00	5♊57	17°25	23°26	13°26	21♈31	3♈59	14°39	29°50	5♊ 7	26♍ 2	25°17	17°42	20♊41	F 2
S 3	0 45 55	9°33'14	19°27	19° 3	24°40	14° 6	21°24	3°54	14°42	29°51	5° 6	26° 1	25°14	17°49	20°41	S 3
S 4	0 49 52	10°32'30	2♋30	20°40	25°55	14°46	21°16	3°49	14°45	29°53	5° 6	26° 0	25°11	17°56	20°41	S 4
M 5	0 53 48	11°31'49	15°10	22°16	27°10	15°26	21° 8	3°45	14°49	29°55	5° 5	26°D 0	25° 7	18° 2	20°40	M 5
T 6	0 57 45	12°31'09	27°30	23°51	28°25	16° 6	21° 0	3°40	14°52	29°56	5° 4	26° 0	25° 4	18° 9	20°40	T 6
W 7	1 1 41	13°30'32	9♌35	25°25	29°39	16°46	20°52	3°36	14°55	29°58	5° 4	26° 1	25° 1	18°16	20°39	W 7
T 8	1 5 38	14°29'58	21°30	26°59	0♎54	17°26	20°44	3°31	14°58	29°59	5° 3	26° 3	24°58	18°22	20°39	T 8
F 9	1 9 34	15°29'25	3♍19	28°32	2° 9	18° 6	20°36	3°26	15° 2	0♐ 1	5° 2	26° 5	24°55	18°29	20°38	F 9
S 10	1 13 31	16°28'55	15° 6	0♏ 5	3°24	18°46	20°28	3°22	15° 5	0° 3	5° 2	26° 6	24°51	18°35	20°37	S 10
S 11	1 17 28	17°28'27	26°54	1°37	4°39	19°26	20°20	3°17	15° 9	0° 5	5° 1	26°R 6	24°48	18°42	20°36	S 11
M12	1 21 24	18°28'01	8♎46	3° 8	5°54	20° 7	20°12	3°13	15°12	0° 7	5° 0	26° 5	24°45	18°49	20°35	M12
T 13	1 25 21	19°27'37	20°44	4°38	7° 9	20°47	20° 3	3° 8	15°15	0° 8	5° 0	26° 4	24°42	18°55	20°34	T 13
W14	1 29 17	20°27'15	2♏50	6° 8	8°24	21°27	19°55	3° 4	15°19	0°10	4°59	26° 1	24°39	19° 2	20°33	W14
T 15	1 33 14	21°26'55	15° 7	7°37	9°39	22° 8	19°47	3° 0	15°22	0°12	4°58	25°57	24°36	19° 9	20°32	T 15
F 16	1 37 10	22°26'37	27°34	9° 6	10°54	22°48	19°39	2°55	15°26	0°14	4°57	25°52	24°32	19°15	20°30	F 16
S 17	1 41 7	23°26'21	10♐14	10°34	12° 9	23°28	19°31	2°51	15°29	0°16	4°56	25°48	24°29	19°22	20°29	S 17
S 18	1 45 3	24°26'07	23° 7	12° 1	13°24	24° 9	19°23	2°47	15°33	0°18	4°56	25°44	24°26	19°29	20°28	S 18
M19	1 49 0	25°25'54	6♑16	13°27	14°39	24°49	19°15	2°43	15°36	0°20	4°55	25°41	24°23	19°35	20°26	M19
T 20	1 52 57	26°25'44	19°41	14°53	15°55	25°30	19° 7	2°39	15°40	0°22	4°54	25°40	24°20	19°42	20°24	T 20
W21	1 56 53	27°25'35	3♒25	16°18	17°10	26°11	18°59	2°35	15°44	0°24	4°53	25°D40	24°17	19°49	20°23	W21
T 22	2 0 50	28°25'27	17°26	17°42	18°25	26°51	18°51	2°31	15°47	0°26	4°52	25°41	24°13	19°55	20°21	T 22
F 23	2 4 46	29°25'21	1♓46	19° 6	19°40	27°32	18°43	2°27	15°51	0°28	4°51	25°42	24°10	20° 2	20°19	F 23
S 24	2 8 43	0♏25'17	16°22	20°28	20°55	28°13	18°35	2°23	15°54	0°30	4°50	25°43	24° 7	20° 8	20°17	S 24
S 25	2 12 39	1°25'14	1♈ 9	21°50	22°10	28°53	18°28	2°19	15°58	0°32	4°50	25°R43	24° 4	20°15	20°15	S 25
M26	2 16 36	2°25'13	16° 3	23°10	23°26	29°34	18°20	2°15	16° 2	0°34	4°49	25°42	24° 1	20°22	20°13	M26
T 27	2 20 32	3°25'14	0♉54	24°30	24°41	0♏15	18°12	2°12	16° 5	0°36	4°48	25°39	23°57	20°28	20°11	T 27
W28	2 24 29	4°25'17	15°36	25°48	25°56	0°56	18° 5	2° 8	16° 9	0°38	4°47	25°34	23°54	20°35	20° 9	W28
T 29	2 28 26	5°25'22	0♊ 1	27° 5	27°11	1°37	17°57	2° 4	16°13	0°40	4°46	25°27	23°51	20°42	20° 7	T 29
F 30	2 32 22	6°25'29	14° 2	28°21	28°27	2°18	17°50	2° 1	16°16	0°42	4°45	25°21	23°48	20°48	20° 5	F 30
S 31	2 36 19	7♏25'38	27♊37	29♏35	29♎42	2♏59	17♈43	1♈58	16♏20	0♐44	4♊44	25♍14	23♍45	20♍55	20♊ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s 1	14n 4	4s23	5s53	0n22	4n27	1n27	4s31	0n35	6n58	1s37	0s51	2s41	15s56	0n19	18s34	1n37	9n42	11s40	1n34	1n51	4n16	17n42	5s28
F 2	3 24	16 27	4 58	6 37	0 15	3 57	1 28	4 47	0 35	6 55	1 37	0 53	2 41	15 57	0 19	18 34	1 37	9 42	11 41	1 35	1 53	4 14	17 42	5 28
S 3	3 48	17 50	5 15	7 21	0 8	3 28	1 28	5 3	0 34	6 52	1 37	0 55	2 41	15 58	0 19	18 34	1 37	9 41	11 41	1 35	1 54	4 13	17 41	5 29
S 4	4 11	18 12	5 15	8 4	0 2	2 59	1 28	5 19	0 34	6 49	1 37	0 57	2 41	15 59	0 19	18 35	1 37	9 41	11 41	1 36	1 55	4 11	17 41	5 29
M 5	4 34	17 39	5 0	8 46	0s 5	2 29	1 29	5 34	0 33	6 46	1 37	0 58	2 41	16 0	0 19	18 35	1 37	9 41	11 41	1 36	1 56	4 9	17 40	5 30
T 6	4 57	16 16	4 31	9 28	0 12	1 59	1 29	5 50	0 33	6 43	1 37	1 0	2 41	16 1	0 19	18 36	1 37	9 41	11 41	1 35	1 58	4 7	17 40	5 30
W 7	5 20	14 11	3 50	10 9	0 19	1 30	1 29	6 6	0 32	6 40	1 37	1 2	2 41	16 2	0 19	18 36	1 37	9 40	11 41	1 35	1 59	4 6	17 39	5 31
T 8	5 44	11 31	3 0	10 50	0 26	1 0	1 29	6 22	0 32	6 37	1 37	1 4	2 41	16 3	0 19	18 36	1 37	9 40	11 42	1 34	2 0	4 4	17 39	5 31
F 9	6 7	8 24	2 3	11 30	0 33	0 30	1 29	6 38	0 31	6 34	1 37	1 6	2 41	16 4	0 19	18 37	1 37	9 40	11 42	1 34	2 2	4 2	17 38	5 32
S 10	6 29	4 57	1 1	12 9	0 40	0s 0	1 28	6 54	0 31	6 31	1 37	1 7	2 41	16 5	0 19	18 37	1 37	9 40	11 42	1 33	2 3	4 0	17 37	5 32
S 11	6 52	1 18	0n 4	12 48	0 47	0 30	1 28	7 9	0 30	6 28	1 37	1 9	2 41	16 6	0 19	18 38	1 37	9 39	11 42	1 33	2 4	3 58	17 37	5 33
M12	7 15	2s25	1 9	13 25	0 54	1 0	1 28	7 25	0 30	6 25	1 37	1 11	2 41	16 7	0 19	18 38	1 37	9 39	11 42	1 33	2 5	3 57	17 36	5 33
T 13	7 38	6 4	2 12	14 3	1 1	1 30	1 28	7 41	0 29	6 22	1 37	1 13	2 41	16 8	0 19	18 38	1 37	9 39	11 42	1 34	2 7	3 55	17 36	5 34
W14	8 0	9 31	3 9	14 39	1 7	2 0	1 27	7 56	0 29	6 19	1 37	1 14	2 41	16 9	0 19	18 39	1 37	9 38	11 42	1 35	2 8	3 53	17 35	5 34
T 15	8 23	12 36	3 58	15 15	1 14	2 30	1 27	8 12	0 28	6 16	1 37	1 16	2 41	16 10	0 19	18 39	1 37	9 38	11 43	1 37	2 9	3 51	17 35	5 35
F 16	8 45	15 10	4 36	15 50	1 21	3 0	1 26	8 27	0 28	6 13	1 37	1 17	2 41	16 11	0 19	18 40	1 37	9 38	11 43	1 39	2 10	3 49	17 34	5 35
S 17	9 7	17 2	5 2	16 24	1 27	3 30	1 26	8 43	0 27	6 10	1 37	1 19	2 41	16 12	0 19	18 40	1 37	9 38	11 43	1 40	2 12	3 48	17 33	5 36
S 18	9 29	18 5	5 13	16 57	1 33	4 0	1 25	8 58	0 27	6 7	1 36	1 21	2 40	16 13	0 19	18 41	1 37	9 37	11 43	1 42	2 13	3 46	17 33	5 36
M19	9 51	18 12	5 8	17 29	1 39	4 30	1 24	9 14	0 26	6 4	1 36	1 22	2 40	16 14	0 19	18 41	1 37	9 37	11 43	1 43	2 14	3 44	17 32	5 37
T 20	10 13	17 19	4 47	18 1	1 45	4 59	1 23	9 29	0 26	6 1	1 36	1 24	2 40	16 15	0 19	18 41	1 37	9 37	11 43	1 44	2 15	3 42	17 32	5 37
W21	10 35	15 24	4 8	18 31	1 51	5 29	1 22	9 44	0 25	5 58	1 36	1 25	2 40	16 17	0 19	18 42	1 37	9 37	11 43	1 44	2 17	3 40	17 31	5 38
T 22	10 56	12 33	3 14	19 1	1 57	5 58	1 22	9 59	0 24	5 55	1 36	1 27	2 40	16 18	0 19	18 42	1 36	9 36	11 43	1 43	2 18	3 39	17 30	5 38
F 23	11 17	8 53	2 7	19 29	2 2	6 28	1 21	10 15	0 24	5 52	1 36	1 28	2 40	16 19	0 19	18 43	1 36	9 36	11 44	1 43	2 19	3 37	17 30	5 39
S 24	11 38	4 36	0 51	19 57	2 7	6 57	1 20	10 30	0 23	5 49	1 36	1 30	2 40	16 20	0 19	18 43	1 36	9 36	11 44	1 42	2 20	3 35	17 29	5 39
S 25	11 59	0n 0	0s30	20 23	2 12	7 26	1 18	10 45	0 23	5 46	1 36	1 31	2 40	16 21	0 19	18 44	1 36	9 36	11 44	1 42	2 22	3 33	17 29	5 40
M26	12 20	4 39	1 49	20 49	2 17	7 55	1 17	11 0	0 22	5 44	1 36	1 32	2 40	16 22	0 19	18 44	1 36	9 35	11 44	1 43	2 23	3 31	17 28	5 40
T 27	12 41	9 0	3 0	21 13	2 22	8 24	1 16	11 14	0 22	5 41	1 35	1 34	2 39	16 23	0 19	18 45	1 36	9 35	11 44	1 44	2 24	3 30	17 27	5 41
W28	13 1	12 44	3 58	21 36	2 26	8 53	1 15	11 29	0 21	5 38	1 35	1 35	2 39	16 24	0 19	18 45	1 36	9 35	11 44	1 46	2 26	3 28	17 27	5 41
T 29	13 21	15 37	4 40	21 58	2 29	9 21	1 13	11 44	0 21	5 35	1 35	1 36	2 39	16 25	0 19	18 45	1 36	9 35	11 44	1 49	2 27	3 26	17 26	5 42
F 30	13 41	17 29	5 4	22 19	2 33	9 49	1 12	11 59	0 20	5 33	1 35	1 38	2 39	16 26	0 19	18 46	1 36	9 34	11 44	1 51	2 28	3 24	17 26	5 42
S 31	14s 1	18n18	5s10	22s38	2s36	10s17	1n11	12s13	0n20	5n30	1s35	1s39	2s39	16s27	0n19	18s46	1n36	9n34	11s44	1n54	2n29	3n22	17n25	5s42

Julian Day Number = 2321426.5, Delta T = 47.70 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'04, Lahiri = 18°53'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

NOVEMBER 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 40 15	8♏25'49	10♋46	0♐47	0♏57	3♏40	17°R36	1°R54	16♏24	0♐46	4°R43	25°R 9	23♍42	21♍ 2	20°R 0	S 1
M 2	2 44 12	9°26'02	23°30	1°58	2°13	4°21	17♈29	1♈51	16°27	0°48	4♊42	25♍ 6	23°38	21° 8	19♊57	M 2
T 3	2 48 8	10°26'17	5♌52	3° 6	3°28	5° 2	17°22	1°48	16°31	0°50	4°41	25°D 5	23°35	21°15	19°55	T 3
W 4	2 52 5	11°26'34	17°58	4°12	4°43	5°43	17°15	1°45	16°35	0°53	4°40	25° 5	23°32	21°22	19°52	W 4
T 5	2 56 1	12°26'53	29°52	5°16	5°59	6°25	17° 9	1°42	16°39	0°55	4°39	25° 6	23°29	21°28	19°50	T 5
F 6	2 59 58	13°27'14	11♍40	6°16	7°14	7° 6	17° 2	1°39	16°42	0°57	4°38	25° 7	23°26	21°35	19°47	F 6
S 7	3 3 55	14°27'37	23°27	7°13	8°29	7°47	16°56	1°36	16°46	0°59	4°37	25°R 8	23°23	21°42	19°44	S 7
S 8	3 7 51	15°28'01	5♎17	8° 6	9°45	8°29	16°49	1°33	16°50	1° 1	4°36	25° 7	23°19	21°48	19°41	S 8
M 9	3 11 48	16°28'28	17°14	8°55	11° 0	9°10	16°43	1°31	16°54	1° 3	4°34	25° 5	23°16	21°55	19°38	M 9
T 10	3 15 44	17°28'56	29°22	9°39	12°16	9°52	16°37	1°28	16°57	1° 6	4°33	25° 0	23°13	22° 1	19°35	T 10
W11	3 19 41	18°29'26	11♏42	10°17	13°31	10°33	16°32	1°26	17° 1	1° 8	4°32	24°52	23°10	22° 8	19°32	W11
T 12	3 23 37	19°29'58	24°16	10°50	14°46	11°15	16°26	1°23	17° 5	1°10	4°31	24°43	23° 7	22°15	19°29	T 12
F 13	3 27 34	20°30'31	7♐ 3	11°16	16° 2	11°56	16°21	1°21	17° 8	1°12	4°30	24°32	23° 3	22°21	19°26	F 13
S 14	3 31 30	21°31'06	20° 3	11°34	17°17	12°38	16°15	1°19	17°12	1°15	4°29	24°22	23° 0	22°28	19°23	S 14
S 15	3 35 27	22°31'42	3♑15	11°44	18°33	13°20	16°10	1°17	17°16	1°17	4°28	24°12	22°57	22°35	19°20	S 15
M16	3 39 23	23°32'20	16°39	11°R45	19°48	14° 1	16° 5	1°15	17°20	1°19	4°27	24° 5	22°54	22°41	19°17	M16
T 17	3 43 20	24°32'58	0♒14	11°37	21° 4	14°43	16° 0	1°13	17°23	1°21	4°26	23°59	22°51	22°48	19°13	T 17
W18	3 47 17	25°33'38	13°59	11°18	22°19	15°25	15°56	1°11	17°27	1°23	4°25	23°57	22°48	22°55	19°10	W18
T 19	3 51 13	26°34'19	27°54	10°48	23°35	16° 7	15°52	1°10	17°31	1°26	4°23	23°D56	22°44	23° 1	19° 7	T 19
F 20	3 55 10	27°35'01	11♓59	10° 8	24°50	16°49	15°47	1° 8	17°34	1°28	4°22	23°57	22°41	23° 8	19° 3	F 20
S 21	3 59 6	28°35'44	26°14	9°17	26° 5	17°31	15°43	1° 7	17°38	1°30	4°21	23°R57	22°38	23°15	19° 0	S 21
S 22	4 3 3	29°36'28	10♈36	8°16	27°21	18°12	15°39	1° 5	17°42	1°33	4°20	23°56	22°35	23°21	18°56	S 22
M23	4 6 59	0♐37'13	25° 3	7° 7	28°36	18°54	15°36	1° 4	17°45	1°35	4°19	23°52	22°32	23°28	18°53	M23
T 24	4 10 56	1°37'59	9♉31	5°51	29°52	19°37	15°32	1° 3	17°49	1°37	4°18	23°46	22°28	23°34	18°49	T 24
W25	4 14 52	2°38'46	23°53	4°30	1♐ 7	20°19	15°29	1° 2	17°53	1°39	4°17	23°37	22°25	23°41	18°46	W25
T 26	4 18 49	3°39'35	8♊ 3	3° 7	2°23	21° 1	15°26	1° 1	17°56	1°42	4°15	23°26	22°22	23°48	18°42	T 26
F 27	4 22 46	4°40'24	21°56	1°46	3°38	21°43	15°23	1° 0	18° 0	1°44	4°14	23°14	22°19	23°54	18°38	F 27
S 28	4 26 42	5°41'15	5♋27	0°27	4°54	22°25	15°20	0°59	18° 4	1°46	4°13	23° 3	22°16	24° 1	18°35	S 28
S 29	4 30 39	6°42'08	18°36	29♏15	6° 9	23° 8	15°18	0°59	18° 7	1°48	4°12	22°52	22°13	24° 8	18°31	S 29
M30	4 34 35	7♐43'01	1♌21	28♏11	7♐25	23♏50	15♈16	0♈58	18♏11	1♐51	4♊11	22♍45	22♍ 9	24♍14	18♊27	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s20	18n 5	4s59	22s56	2s39	10s45	1n 9	12s28	0n19	5n28	1s35	1s40	2s39	16s28	0n19	18s47	1n36	9n34	11s44	1n56	2n31	3n21	17n24	5s43
M 2	14 40	16 57	4 33	23 13	2 41	11 12	1 8	12 42	0 18	5 25	1 34	1 41	2 39	16 29	0 19	18 47	1 36	9 34	11 45	1 57	2 32	3 19	17 24	5 43
T 3	14 59	15 2	3 55	23 28	2 42	11 39	1 6	12 57	0 18	5 23	1 34	1 42	2 38	16 30	0 19	18 48	1 36	9 33	11 45	1 58	2 33	3 17	17 23	5 44
W 4	15 18	12 30	3 8	23 42	2 43	12 6	1 4	13 11	0 17	5 20	1 34	1 43	2 38	16 31	0 19	18 48	1 36	9 33	11 45	1 58	2 34	3 15	17 23	5 44
T 5	15 36	9 28	2 13	23 54	2 44	12 33	1 3	13 25	0 17	5 18	1 34	1 44	2 38	16 33	0 19	18 49	1 36	9 33	11 45	1 57	2 36	3 13	17 22	5 45
F 6	15 54	6 5	1 12	24 5	2 44	12 59	1 1	13 39	0 16	5 16	1 34	1 45	2 38	16 34	0 19	18 49	1 36	9 33	11 45	1 57	2 37	3 12	17 21	5 45
S 7	16 12	2 28	0 9	24 14	2 43	13 25	0 59	13 53	0 16	5 13	1 33	1 46	2 38	16 35	0 19	18 50	1 36	9 32	11 45	1 56	2 38	3 10	17 21	5 45
S 8	16 30	1s16	0n55	24 21	2 41	13 51	0 57	14 7	0 15	5 11	1 33	1 47	2 37	16 36	0 19	18 50	1 36	9 32	11 45	1 56	2 39	3 8	17 20	5 46
M 9	16 48	4 59	1 56	24 26	2 39	14 16	0 56	14 21	0 15	5 9	1 33	1 48	2 37	16 37	0 19	18 50	1 36	9 32	11 45	1 58	2 41	3 6	17 20	5 46
T 10	17 5	8 34	2 54	24 30	2 35	14 41	0 54	14 35	0 14	5 7	1 33	1 49	2 37	16 38	0 19	18 51	1 36	9 32	11 45	2 0	2 42	3 4	17 19	5 46
W11	17 22	11 50	3 44	24 31	2 31	15 6	0 52	14 48	0 13	5 5	1 33	1 50	2 37	16 39	0 19	18 51	1 36	9 31	11 45	2 3	2 43	3 2	17 18	5 47
T 12	17 38	14 37	4 24	24 30	2 25	15 30	0 50	15 2	0 13	5 3	1 32	1 50	2 37	16 40	0 19	18 52	1 36	9 31	11 45	2 6	2 44	3 1	17 18	5 47
F 13	17 55	16 44	4 51	24 27	2 18	15 54	0 48	15 15	0 12	5 1	1 32	1 51	2 36	16 41	0 19	18 52	1 36	9 31	11 45	2 10	2 46	2 59	17 17	5 48
S 14	18 11	18 3	5 4	24 22	2 10	16 18	0 46	15 28	0 12	4 59	1 32	1 52	2 36	16 42	0 19	18 53	1 36	9 31	11 45	2 15	2 47	2 57	17 17	5 48
S 15	18 26	18 26	5 1	24 14	2 1	16 41	0 44	15 41	0 11	4 58	1 32	1 52	2 36	16 43	0 19	18 53	1 36	9 31	11 45	2 18	2 48	2 55	17 16	5 48
M16	18 41	17 47	4 42	24 3	1 50	17 3	0 42	15 55	0 10	4 56	1 31	1 53	2 36	16 44	0 19	18 54	1 36	9 30	11 45	2 21	2 49	2 53	17 15	5 49
T 17	18 56	16 7	4 7	23 49	1 37	17 25	0 39	16 7	0 10	4 55	1 31	1 54	2 36	16 45	0 19	18 54	1 36	9 30	11 45	2 23	2 51	2 52	17 15	5 49
W18	19 11	13 31	3 17	23 33	1 23	17 47	0 37	16 20	0 9	4 53	1 31	1 54	2 35	16 46	0 19	18 55	1 36	9 30	11 45	2 24	2 52	2 50	17 14	5 49
T 19	19 25	10 7	2 14	23 13	1 8	18 8	0 35	16 33	0 9	4 52	1 31	1 55	2 35	16 47	0 19	18 55	1 36	9 30	11 45	2 25	2 53	2 48	17 14	5 50
F 20	19 39	6 6	1 3	22 51	0 51	18 29	0 33	16 46	0 8	4 50	1 30	1 55	2 35	16 48	0 19	18 56	1 36	9 30	11 45	2 25	2 54	2 46	17 13	5 50
S 21	19 53	1 41	0s12	22 25	0 32	18 49	0 31	16 58	0 8	4 49	1 30	1 55	2 35	16 49	0 19	18 56	1 36	9 29	11 45	2 24	2 56	2 44	17 13	5 50
S 22	20 6	2n52	1 28	21 56	0 13	19 9	0 28	17 10	0 7	4 48	1 30	1 56	2 35	16 51	0 19	18 57	1 36	9 29	11 45	2 25	2 57	2 42	17 12	5 50
M23	20 19	7 16	2 38	21 25	0n 7	19 28	0 26	17 22	0 6	4 47	1 29	1 56	2 34	16 52	0 19	18 57	1 36	9 29	11 45	2 26	2 58	2 41	17 12	5 51
T 24	20 32	11 15	3 37	20 52	0 28	19 46	0 24	17 35	0 6	4 45	1 29	1 56	2 34	16 53	0 19	18 57	1 36	9 29	11 45	2 29	2 59	2 39	17 11	5 51
W25	20 44	14 32	4 23	20 18	0 48	20 4	0 22	17 46	0 5	4 44	1 29	1 56	2 34	16 54	0 19	18 58	1 36	9 29	11 45	2 32	3 1	2 37	17 10	5 51
T 26	20 55	16 54	4 51	19 43	1 8	20 22	0 19	17 58	0 5	4 44	1 29	1 57	2 34	16 55	0 19	18 58	1 36	9 29	11 45	2 37	3 2	2 35	17 10	5 51
F 27	21 7	18 13	5 2	19 8	1 26	20 39	0 17	18 10	0 4	4 43	1 28	1 57	2 33	16 56	0 19	18 59	1 36	9 28	11 45	2 41	3 3	2 33	17 9	5 52
S 28	21 18	18 27	4 55	18 36	1 44	20 55	0 14	18 21	0 3	4 42	1 28	1 57	2 33	16 57	0 19	18 59	1 36	9 28	11 45	2 46	3 5	2 32	17 9	5 52
S 29	21 28	17 41	4 33	18 6	1 59	21 11	0 12	18 33	0 3	4 41	1 28	1 57	2 33	16 58	0 19	19 0	1 36	9 28	11 45	2 50	3 6	2 30	17 8	5 52
M30	21s38	16n 3	3s57	17s39	2n12	21s26	0n10	18s44	0n 2	4n41	1s27	1s57	2s33	16s59	0n19	19s 0	1n36	9n28	11s45	2n53	3n 7	2n28	17n 8	5s52

Julian Day Number = 2321457.5, Delta T = 47.64 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'09, Lahiri = 18°53'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1643
geocentric

DECEMBER 1643 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 38 32	8♐43'56	13♌45	27°R17	8♐40	24♏32	15°R14	0°R58	18♏14	1♐53	4°R10	22°R39	22♍ 6	24♍21	18°R24	T 1
W 2	4 42 28	9°44'52	25°52	26♏34	9°56	25°15	15♈12	0♈58	18°18	1°55	4♊ 9	22♍37	22° 3	24°28	18♊20	W 2
T 3	4 46 25	10°45'49	7♍48	26° 2	11°11	25°57	15°10	0°57	18°21	1°57	4° 7	22°D36	22° 0	24°34	18°16	T 3
F 4	4 50 22	11°46'47	19°36	25°41	12°27	26°40	15° 9	0°D57	18°25	2° 0	4° 6	22°R36	21°57	24°41	18°12	F 4
S 5	4 54 18	12°47'46	1♎24	25°D32	13°42	27°22	15° 7	0°57	18°28	2° 2	4° 5	22°36	21°54	24°48	18° 8	S 5
S 6	4 58 15	13°48'47	13°15	25°33	14°58	28° 5	15° 6	0°57	18°32	2° 4	4° 4	22°34	21°50	24°54	18° 5	S 6
M 7	5 2 11	14°49'49	25°16	25°44	16°13	28°47	15° 6	0°58	18°35	2° 6	4° 3	22°30	21°47	25° 1	18° 1	M 7
T 8	5 6 8	15°50'51	7♏31	26° 4	17°29	29°30	15° 5	0°58	18°39	2° 8	4° 2	22°24	21°44	25° 7	17°57	T 8
W 9	5 10 4	16°51'55	20° 2	26°32	18°44	0♐13	15° 5	0°59	18°42	2°11	4° 1	22°14	21°41	25°14	17°53	W 9
T 10	5 14 1	17°53'00	2♐52	27° 7	20° 0	0°56	15°D 4	0°59	18°46	2°13	4° 0	22° 2	21°38	25°21	17°49	T 10
F 11	5 17 57	18°54'05	15°59	27°49	21°15	1°38	15° 4	1° 0	18°49	2°15	3°58	21°48	21°34	25°27	17°46	F 11
S 12	5 21 54	19°55'11	29°23	28°37	22°31	2°21	15° 5	1° 1	18°52	2°17	3°57	21°35	21°31	25°34	17°42	S 12
S 13	5 25 51	20°56'18	13♑ 1	29°30	23°46	3° 4	15° 5	1° 2	18°56	2°19	3°56	21°22	21°28	25°41	17°38	S 13
M14	5 29 47	21°57'25	26°50	0♐27	25° 2	3°47	15° 6	1° 3	18°59	2°22	3°55	21°12	21°25	25°47	17°34	M14
T 15	5 33 44	22°58'33	10♒46	1°28	26°17	4°30	15° 7	1° 4	19° 2	2°24	3°54	21° 5	21°22	25°54	17°30	T 15
W16	5 37 40	23°59'40	24°47	2°33	27°33	5°13	15° 8	1° 5	19° 5	2°26	3°53	21° 0	21°19	26° 1	17°26	W16
T 17	5 41 37	25° 0'48	8♓50	3°41	28°48	5°56	15° 9	1° 6	19° 9	2°28	3°52	20°59	21°15	26° 7	17°23	T 17
F 18	5 45 33	26° 1'56	22°54	4°51	0♑ 4	6°39	15°10	1° 8	19°12	2°30	3°51	20°59	21°12	26°14	17°19	F 18
S 19	5 49 30	27° 3'04	6♈58	6° 4	1°19	7°22	15°12	1° 9	19°15	2°32	3°50	20°58	21° 9	26°21	17°15	S 19
S 20	5 53 26	28° 4'12	21° 3	7°19	2°35	8° 6	15°14	1°11	19°18	2°34	3°49	20°57	21° 6	26°27	17°11	S 20
M21	5 57 23	29° 5'21	5♉ 6	8°36	3°50	8°49	15°16	1°13	19°21	2°36	3°48	20°53	21° 3	26°34	17° 8	M21
T 22	6 1 20	0♑ 6'29	19° 6	9°54	5° 6	9°32	15°18	1°15	19°24	2°38	3°47	20°46	21° 0	26°41	17° 4	T 22
W23	6 5 16	1° 7'37	3♊ 0	11°14	6°21	10°15	15°21	1°17	19°27	2°41	3°46	20°36	20°56	26°47	17° 0	W23
T 24	6 9 13	2° 8'46	16°45	12°35	7°37	10°59	15°24	1°19	19°30	2°43	3°45	20°25	20°53	26°54	16°56	T 24
F 25	6 13 9	3° 9'54	0♋16	13°57	8°52	11°42	15°27	1°21	19°33	2°45	3°44	20°12	20°50	27° 0	16°53	F 25
S 26	6 17 6	4°11'03	13°32	15°20	10° 7	12°26	15°30	1°23	19°36	2°47	3°43	19°59	20°47	27° 7	16°49	S 26
S 27	6 21 2	5°12'12	26°30	16°44	11°23	13° 9	15°33	1°26	19°39	2°49	3°42	19°48	20°44	27°14	16°46	S 27
M28	6 24 59	6°13'21	9♌ 9	18° 9	12°38	13°53	15°37	1°28	19°42	2°51	3°41	19°39	20°40	27°20	16°42	M28
T 29	6 28 55	7°14'30	21°31	19°35	13°54	14°36	15°40	1°31	19°45	2°52	3°40	19°32	20°37	27°27	16°39	T 29
W30	6 32 52	8°15'39	3♍37	21° 1	15° 9	15°20	15°44	1°33	19°48	2°54	3°39	19°29	20°34	27°34	16°35	W30
T 31	6 36 49	9♑16'49	15♍32	22♐28	16♑25	16♐ 4	15♈48	1♈36	19♏50	2♐56	3♊38	19°D28	20♍31	27♍40	16♊32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s48	13n41	3s11	17s16	2n23	21s40	0n 7	18s55	0n 2	4n40	1s27	1s57	2s32	17s 0	0n19	19s 1	1n36	9n28	11s45	2n55	3n 8	2n26	17n 7	5s52	
W 2	21 57	10 46	2 17	16 58	2 32	21 54	0 5	19 6	0 1	4 40	1 27	1 57	2 32	17 1	0 19	19 1	1 36	9 28	11 45	2 56	3 10	2 24	17 7	5 53	
T 3	22 6	7 27	1 18	16 44	2 38	22 7	0 3	19 16	0 0	4 39	1 26	1 56	2 32	17 2	0 19	19 1	1 36	9 28	11 45	2 57	3 11	2 22	17 6	5 53	
F 4	22 14	3 53	0 16	16 35	2 43	22 20	0 0	19 27	0s 0	4 39	1 26	1 56	2 32	17 3	0 19	19 2	1 36	9 27	11 45	2 57	3 12	2 21	17 6	5 53	
S 5	22 22	0 9	0n47	16 30	2 45	22 31	0s 2	19 37	0 1	4 39	1 26	1 56	2 31	17 4	0 19	19 2	1 36	9 27	11 45	2 57	3 13	2 19	17 5	5 53	
S 6	22 30	3s36	1 47	16 29	2 46	22 43	0 5	19 48	0 2	4 39	1 25	1 56	2 31	17 4	0 19	19 3	1 36	9 27	11 44	2 57	3 15	2 17	17 5	5 53	
M 7	22 37	7 15	2 44	16 33	2 46	22 53	0 7	19 58	0 2	4 39	1 25	1 55	2 31	17 5	0 19	19 3	1 36	9 27	11 44	2 59	3 16	2 15	17 4	5 53	
T 8	22 44	10 40	3 34	16 39	2 44	23 3	0 9	20 8	0 3	4 39	1 25	1 55	2 31	17 6	0 19	19 4	1 36	9 27	11 44	3 1	3 17	2 13	17 4	5 54	
W 9	22 50	13 41	4 15	16 48	2 41	23 12	0 12	20 17	0 3	4 39	1 25	1 55	2 30	17 7	0 19	19 4	1 36	9 27	11 44	3 5	3 18	2 11	17 3	5 54	
T 10	22 56	16 8	4 44	17 0	2 37	23 20	0 14	20 27	0 4	4 39	1 24	1 54	2 30	17 8	0 19	19 4	1 36	9 27	11 44	3 10	3 20	2 10	17 3	5 54	
F 11	23 1	17 48	4 59	17 14	2 32	23 28	0 16	20 36	0 5	4 39	1 24	1 54	2 30	17 9	0 19	19 5	1 36	9 27	11 44	3 15	3 21	2 8	17 3	5 54	
S 12	23 6	18 31	4 57	17 30	2 27	23 35	0 19	20 45	0 5	4 40	1 24	1 53	2 30	17 10	0 19	19 5	1 36	9 27	11 44	3 21	3 22	2 6	17 2	5 54	
S 13	23 10	18 13	4 39	17 47	2 21	23 41	0 21	20 54	0 6	4 40	1 23	1 53	2 29	17 11	0 19	19 6	1 36	9 26	11 44	3 26	3 23	2 4	17 2	5 54	
M14	23 14	16 49	4 5	18 6	2 14	23 47	0 23	21 3	0 7	4 41	1 23	1 52	2 29	17 12	0 19	19 6	1 36	9 26	11 44	3 30	3 25	2 2	17 1	5 54	
T 15	23 18	14 26	3 15	18 25	2 7	23 52	0 26	21 12	0 7	4 41	1 23	1 51	2 29	17 13	0 19	19 7	1 36	9 26	11 44	3 33	3 26	2 0	17 1	5 54	
W16	23 21	11 11	2 14	18 45	2 0	23 56	0 28	21 20	0 8	4 42	1 22	1 51	2 29	17 14	0 19	19 7	1 36	9 26	11 43	3 34	3 27	1 59	17 1	5 54	
T 17	23 23	7 17	1 4	19 5	1 52	23 59	0 30	21 29	0 8	4 43	1 22	1 50	2 28	17 15	0 19	19 7	1 36	9 26	11 43	3 35	3 28	1 57	17 0	5 54	
F 18	23 25	2 59	0s10	19 26	1 45	24 2	0 33	21 37	0 9	4 44	1 22	1 49	2 28	17 15	0 19	19 8	1 36	9 26	11 43	3 35	3 30	1 55	17 0	5 54	
S 19	23 27	1n30	1 24	19 46	1 37	24 3	0 35	21 44	0 10	4 45	1 21	1 48	2 28	17 16	0 19	19 8	1 36	9 26	11 43	3 35	3 31	1 53	16 59	5 54	
S 20	23 28	5 53	2 32	20 7	1 29	24 5	0 37	21 52	0 10	4 46	1 21	1 47	2 28	17 17	0 19	19 9	1 36	9 26	11 43	3 36	3 32	1 51	16 59	5 54	
M21	23 29	9 56	3 31	20 27	1 21	24 5	0 39	22 0	0 11	4 47	1 21	1 46	2 27	17 18	0 19	19 9	1 36	9 26	11 43	3 37	3 33	1 49	16 59	5 54	
T 22	23 29	13 25	4 17	20 47	1 13	24 4	0 41	22 7	0 12	4 48	1 20	1 45	2 27	17 19	0 19	19 9	1 36	9 26	11 43	3 40	3 35	1 48	16 58	5 54	
W23	23 29	16 6	4 47	21 6	1 4	24 3	0 43	22 14	0 12	4 49	1 20	1 44	2 27	17 20	0 19	19 10	1 36	9 26	11 42	3 44	3 36	1 46	16 58	5 54	
T 24	23 28	17 50	5 0	21 25	0 56	24 1	0 46	22 21	0 13	4 51	1 20	1 43	2 27	17 20	0 19	19 10	1 36	9 26	11 42	3 48	3 37	1 44	16 58	5 54	
F 25	23 27	18 33	4 56	21 43	0 48	23 59	0 48	22 27	0 14	4 52	1 20	1 42	2 26	17 21	0 19	19 10	1 36	9 26	11 42	3 53	3 38	1 42	16 57	5 54	
S 26	23 25	18 13	4 36	22 0	0 40	23 55	0 50	22 34	0 14	4 54	1 19	1 41	2 26	17 22	0 19	19 11	1 36	9 26	11 42	3 59	3 40	1 40	16 57	5 54	
S 27	23 23	16 56	4 2	22 17	0 32	23 51	0 52	22 40	0 15	4 55	1 19	1 40	2 26	17 23	0 19	19 11	1 36	9 26	11 42	4 3	3 41	1 38	16 57	5 54	
M28	23 20	14 50	3 17	22 33	0 24	23 46	0 54	22 46	0 16	4 57	1 19	1 39	2 26	17 24	0 19	19 12	1 36	9 26	11 42	4 7	3 42	1 37	16 57	5 54	
T 29	23 17	12 6	2 23	22 48	0 17	23 41	0 56	22 52	0 16	4 58	1 18	1 37	2 26	17 24	0 19	19 12	1 36	9 26	11 41	4 9	3 43	1 35	16 56	5 54	
W30	23 13	8 54	1 23	23 2	0 9	23 34	0 57	22 57	0 17	5 0	1 18	1 36	2 25	17 25	0 19	19 12	1 36	9 26	11 41	4 10	3 45	1 33	16 56	5 54	
T 31	23s 9	5n23	0s21	23s15	0n 1	23s27	0s59	23s 3	0s18	5n 2	1s18	1s35	2s25	17s26	0n19	19s13	1n36	9n26	11s41	4n11	3n46	1n31	16n56	5s54	

Julian Day Number = 2321487.5, Delta T = 47.58 sec
Ecliptic obliquity = 23°28'58, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'13, Lahiri = 18°53'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

JANUARY 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 40 45	10♑17'58	27♍21	23♐56	17♑40	16♐47	15♈52	1♈39	19♏53	2♐58	3°R37	19♍28	20♍28	27♍47	16°R28	F 1
S 2	6 44 42	11°19'08	9♎ 9	25°24	18°55	17°31	15°57	1°42	19°56	3° 0	3♊36	19°R28	20°25	27°54	16♊25	S 2
S 3	6 48 38	12°20'18	21° 1	26°53	20°11	18°15	16° 2	1°45	19°58	3° 2	3°36	19°28	20°21	28° 0	16°21	S 3
M 4	6 52 35	13°21'28	3♏ 2	28°23	21°26	18°59	16° 6	1°48	20° 1	3° 4	3°35	19°26	20°18	28° 7	16°18	M 4
T 5	6 56 31	14°22'38	15°19	29°53	22°41	19°42	16°11	1°52	20° 4	3° 6	3°34	19°21	20°15	28°14	16°15	T 5
W 6	7 0 28	15°23'47	27°54	1♑23	23°57	20°26	16°17	1°55	20° 6	3° 7	3°33	19°14	20°12	28°20	16°12	W 6
T 7	7 4 24	16°24'57	10♐52	2°54	25°12	21°10	16°22	1°59	20° 9	3° 9	3°32	19° 5	20° 9	28°27	16° 9	T 7
F 8	7 8 21	17°26'07	24°13	4°25	26°28	21°54	16°28	2° 2	20°11	3°11	3°31	18°54	20° 6	28°34	16° 5	F 8
S 9	7 12 18	18°27'16	7♑55	5°57	27°43	22°38	16°33	2° 6	20°13	3°13	3°31	18°44	20° 2	28°40	16° 2	S 9
S 10	7 16 14	19°28'25	21°57	7°30	28°58	23°22	16°39	2°10	20°16	3°14	3°30	18°33	19°59	28°47	15°59	S 10
M11	7 20 11	20°29'34	6♒12	9° 3	0♒14	24° 6	16°45	2°13	20°18	3°16	3°29	18°25	19°56	28°53	15°56	M11
T 12	7 24 7	21°30'42	20°36	10°36	1°29	24°51	16°51	2°17	20°20	3°18	3°28	18°19	19°53	29° 0	15°54	T 12
W13	7 28 4	22°31'49	5♓ 2	12°10	2°44	25°35	16°58	2°21	20°23	3°19	3°28	18°16	19°50	29° 7	15°51	W13
T 14	7 32 0	23°32'55	19°27	13°45	4° 0	26°19	17° 5	2°26	20°25	3°21	3°27	18°D16	19°46	29°13	15°48	T 14
F 15	7 35 57	24°34'01	3♈45	15°20	5°15	27° 3	17°11	2°30	20°27	3°23	3°26	18°16	19°43	29°20	15°45	F 15
S 16	7 39 53	25°35'05	17°55	16°55	6°30	27°48	17°18	2°34	20°29	3°24	3°26	18°17	19°40	29°27	15°43	S 16
S 17	7 43 50	26°36'09	1♉56	18°31	7°46	28°32	17°25	2°38	20°31	3°26	3°25	18°R17	19°37	29°33	15°40	S 17
M18	7 47 47	27°37'11	15°46	20° 8	9° 1	29°16	17°33	2°43	20°33	3°27	3°25	18°16	19°34	29°40	15°37	M18
T 19	7 51 43	28°38'13	29°27	21°45	10°16	0♑ 1	17°40	2°47	20°35	3°29	3°24	18°12	19°31	29°47	15°35	T 19
W20	7 55 40	29°39'13	12♊57	23°23	11°31	0°45	17°47	2°52	20°37	3°30	3°23	18° 6	19°27	29°53	15°33	W20
T 21	7 59 36	0♒40'12	26°15	25° 2	12°46	1°30	17°55	2°57	20°39	3°32	3°23	17°58	19°24	29°59	15°30	T 21
F 22	8 3 33	1°41'11	9♋21	26°41	14° 2	2°14	18° 3	3° 2	20°40	3°33	3°22	17°50	19°21	0♎ 7	15°28	F 22
S 23	8 7 29	2°42'08	22°15	28°21	15°17	2°59	18°11	3° 6	20°42	3°34	3°22	17°41	19°18	0°13	15°26	S 23
S 24	8 11 26	3°43'04	4♌54	0♒ 1	16°32	3°43	18°19	3°11	20°44	3°36	3°21	17°34	19°15	0°20	15°24	S 24
M25	8 15 22	4°44'00	17°20	1°42	17°47	4°28	18°28	3°16	20°46	3°37	3°21	17°28	19°12	0°27	15°22	M25
T 26	8 19 19	5°44'54	29°33	3°24	19° 2	5°12	18°36	3°22	20°47	3°38	3°20	17°24	19° 8	0°33	15°20	T 26
W27	8 23 16	6°45'47	11♍35	5° 7	20°17	5°57	18°45	3°27	20°49	3°40	3°20	17°D22	19° 5	0°40	15°18	W27
T 28	8 27 12	7°46'40	23°28	6°50	21°32	6°42	18°53	3°32	20°50	3°41	3°19	17°22	19° 2	0°46	15°16	T 28
F 29	8 31 9	8°47'31	5♎17	8°34	22°48	7°27	19° 2	3°37	20°52	3°42	3°19	17°23	18°59	0°53	15°14	F 29
S 30	8 35 5	9°48'22	17° 4	10°18	24° 3	8°11	19°11	3°43	20°53	3°43	3°19	17°25	18°56	1° 0	15°12	S 30
S 31	8 39 2	10♒49'12	28♎55	12♒ 4	25♒18	8♑56	19♈20	3♈48	20♏54	3♐44	3♊18	17♍27	18♍52	1♎ 6	15♊11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s 5	1n42	0n42	23s27	0s 6	23s19	1s 1	23s 8	0s18	5n 4	1s17	1s33	2s25	17s27	0n19	19s13	1n36	9n26	11s41	4n11	3n47	1n29	16n56	5s54
S 2	23 0	2s 3	1 43	23 37	0 13	23 11	1 3	23 13	0 19	5 6	1 17	1 32	2 25	17 27	0 19	19 13	1 36	9 26	11 41	4 11	3 48	1 27	16 55	5 54
S 3	22 55	5 44	2 40	23 47	0 20	23 2	1 5	23 17	0 20	5 8	1 17	1 31	2 24	17 28	0 19	19 14	1 36	9 26	11 41	4 11	3 50	1 25	16 55	5 54
M 4	22 49	9 15	3 31	23 56	0 27	22 52	1 6	23 22	0 20	5 10	1 16	1 29	2 24	17 29	0 19	19 14	1 36	9 26	11 40	4 12	3 51	1 24	16 55	5 53
T 5	22 42	12 26	4 13	24 3	0 34	22 41	1 8	23 26	0 21	5 12	1 16	1 28	2 24	17 29	0 19	19 14	1 36	9 26	11 40	4 13	3 52	1 22	16 55	5 53
W 6	22 36	15 7	4 44	24 9	0 41	22 30	1 9	23 30	0 22	5 15	1 16	1 26	2 24	17 30	0 19	19 14	1 37	9 26	11 40	4 16	3 53	1 20	16 55	5 53
T 7	22 28	17 9	5 1	24 14	0 47	22 18	1 11	23 33	0 22	5 17	1 16	1 24	2 23	17 31	0 19	19 15	1 37	9 26	11 40	4 20	3 55	1 18	16 54	5 53
F 8	22 21	18 19	5 3	24 18	0 54	22 5	1 12	23 37	0 23	5 19	1 15	1 23	2 23	17 31	0 19	19 15	1 37	9 26	11 39	4 24	3 56	1 16	16 54	5 53
S 9	22 13	18 28	4 47	24 21	1 0	21 52	1 14	23 40	0 24	5 22	1 15	1 21	2 23	17 32	0 19	19 15	1 37	9 26	11 39	4 28	3 57	1 14	16 54	5 53
S 10	22 4	17 30	4 15	24 22	1 6	21 38	1 15	23 43	0 24	5 24	1 15	1 19	2 23	17 33	0 19	19 16	1 37	9 26	11 39	4 32	3 58	1 13	16 54	5 53
M11	21 55	15 26	3 26	24 21	1 11	21 23	1 16	23 46	0 25	5 27	1 14	1 18	2 23	17 33	0 19	19 16	1 37	9 27	11 39	4 35	4 0	1 11	16 54	5 52
T 12	21 46	12 24	2 23	24 20	1 17	21 8	1 18	23 48	0 26	5 30	1 14	1 16	2 22	17 34	0 19	19 16	1 37	9 27	11 39	4 38	4 1	1 9	16 54	5 52
W13	21 36	8 35	1 10	24 17	1 22	20 52	1 19	23 51	0 26	5 32	1 14	1 14	2 22	17 34	0 19	19 17	1 37	9 27	11 38	4 39	4 2	1 7	16 54	5 52
T 14	21 26	4 17	0s 6	24 13	1 27	20 35	1 20	23 53	0 27	5 35	1 14	1 12	2 22	17 35	0 19	19 17	1 37	9 27	11 38	4 39	4 3	1 5	16 54	5 52
F 15	21 15	0n14	1 22	24 7	1 31	20 18	1 21	23 55	0 28	5 38	1 13	1 10	2 22	17 36	0 19	19 17	1 37	9 27	11 38	4 39	4 5	1 3	16 54	5 52
S 16	21 4	4 41	2 33	24 0	1 36	20 0	1 22	23 56	0 28	5 41	1 13	1 8	2 22	17 36	0 19	19 17	1 37	9 27	11 38	4 38	4 6	1 1	16 53	5 51
S 17	20 52	8 50	3 33	23 51	1 40	19 42	1 23	23 57	0 29	5 44	1 13	1 7	2 21	17 37	0 19	19 18	1 37	9 27	11 37	4 38	4 7	1 0	16 53	5 51
M18	20 41	12 26	4 20	23 41	1 44	19 23	1 24	23 58	0 30	5 47	1 12	1 5	2 21	17 37	0 19	19 18	1 37	9 27	11 37	4 39	4 8	0 58	16 53	5 51
T 19	20 28	15 19	4 52	23 29	1 47	19 4	1 25	23 59	0 30	5 50	1 12	1 3	2 21	17 38	0 19	19 18	1 37	9 27	11 37	4 41	4 10	0 56	16 53	5 51
W20	20 16	17 19	5 6	23 16	1 51	18 44	1 26	24 0	0 31	5 53	1 12	1 1	2 21	17 38	0 19	19 18	1 37	9 28	11 37	4 43	4 11	0 54	16 53	5 50
T 21	20 3	18 21	5 5	23 2	1 54	18 23	1 26	24 0	0 32	5 56	1 12	0 58	2 20	17 39	0 19	19 19	1 37	9 28	11 36	4 46	4 12	0 52	16 53	5 50
F 22	19 49	18 23	4 47	22 46	1 56	18 2	1 27	24 0	0 32	6 0	1 11	0 56	2 20	17 39	0 19	19 19	1 37	9 28	11 36	4 49	4 13	0 50	16 53	5 50
S 23	19 36	17 28	4 14	22 28	1 59	17 41	1 28	24 0	0 33	6 3	1 11	0 54	2 20	17 40	0 19	19 19	1 37	9 28	11 36	4 53	4 15	0 49	16 53	5 50
S 24	19 21	15 41	3 30	22 9	2 0	17 19	1 28	23 59	0 34	6 6	1 11	0 52	2 20	17 40	0 19	19 19	1 37	9 28	11 36	4 55	4 16	0 47	16 53	5 49
M25	19 7	13 12	2 36	21 48	2 2	16 56	1 29	23 59	0 34	6 10	1 11	0 50	2 20	17 40	0 19	19 19	1 37	9 28	11 35	4 58	4 17	0 45	16 54	5 49
T 26	18 52	10 10	1 35	21 26	2 3	16 33	1 29	23 58	0 35	6 13	1 10	0 48	2 20	17 41	0 19	19 20	1 37	9 29	11 35	4 59	4 18	0 43	16 54	5 49
W27	18 37	6 45	0 31	21 2	2 4	16 10	1 30	23 57	0 36	6 17	1 10	0 46	2 19	17 41	0 19	19 20	1 37	9 29	11 35	5 0	4 20	0 41	16 54	5 49
T 28	18 21	3 6	0n33	20 36	2 4	15 46	1 30	23 55	0 36	6 20	1 10	0 43	2 19	17 42	0 19	19 20	1 37	9 29	11 35	5 0	4 21	0 39	16 54	5 48
F 29	18 6	0s38	1 36	20 9	2 4	15 22	1 30	23 53	0 37	6 24	1 10	0 41	2 19	17 42	0 19	19 20	1 37	9 29	11 34	4 59	4 22	0 37	16 54	5 48
S 30	17 50	4 20	2 35	19 41	2 4	14 57	1 30	23 51	0 38	6 27	1 9	0 39	2 19	17 42	0 19	19 20	1 37	9 29	11 34	4 59	4 23	0 36	16 54	5 48
S 31	17s33	7s53	3n28	19s11	2s 3	14s32	1s30	23s49	0s38	6n31	1s 9	0s36	2s19	17s43	0n19	19s21	1n37	9n29	11s34	4n58	4n25	0n34	16n54	5s47

Julian Day Number = 2321518.5, Delta T = 47.52 sec
Ecliptic obliquity = 23°28'58, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'17, Lahiri = 18°53'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

FEBRUARY 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 42 58	11♒50'01	10♏56	13♒50	26♒33	9♉41	19♈29	3♈54	20♏56	3♐46	3°R18	17°R27	18♍49	1♎13	15°R 9	M 1
T 2	8 46 55	12°50'48	23°10	15°36	27°48	10°26	19°39	3°59	20°57	3°47	3♊18	17♍27	18°46	1°20	15♊ 8	T 2
W 3	8 50 51	13°51'35	5♐44	17°24	29° 3	11°11	19°48	4° 5	20°58	3°48	3°17	17°25	18°43	1°26	15° 6	W 3
T 4	8 54 48	14°52'21	18°40	19°12	0♓18	11°56	19°58	4°11	20°59	3°49	3°17	17°21	18°40	1°33	15° 5	T 4
F 5	8 58 45	15°53'06	2♑ 2	21° 0	1°33	12°41	20° 8	4°17	21° 0	3°50	3°17	17°17	18°37	1°40	15° 4	F 5
S 6	9 2 41	16°53'50	15°50	22°49	2°48	13°26	20°18	4°22	21° 1	3°51	3°17	17°12	18°33	1°46	15° 3	S 6
S 7	9 6 38	17°54'33	0♒ 3	24°39	4° 2	14°11	20°28	4°28	21° 2	3°52	3°16	17° 7	18°30	1°53	15° 2	S 7
M 8	9 10 34	18°55'14	14°36	26°29	5°17	14°56	20°38	4°34	21° 3	3°53	3°16	17° 3	18°27	2° 0	15° 1	M 8
T 9	9 14 31	19°55'54	29°22	28°19	6°32	15°41	20°48	4°40	21° 4	3°53	3°16	17° 1	18°24	2° 6	15° 0	T 9
W10	9 18 27	20°56'32	14♓15	0♓ 9	7°47	16°26	20°58	4°46	21° 5	3°54	3°16	17°D 0	18°21	2°13	14°59	W10
T 11	9 22 24	21°57'09	29° 6	1°58	9° 2	17°12	21° 9	4°53	21° 6	3°55	3°16	17° 0	18°18	2°20	14°58	T 11
F 12	9 26 20	22°57'43	13♈48	3°48	10°17	17°57	21°20	4°59	21° 6	3°56	3°16	17° 1	18°14	2°26	14°57	F 12
S 13	9 30 17	23°58'17	28°17	5°37	11°31	18°42	21°30	5° 5	21° 7	3°57	3°16	17° 3	18°11	2°33	14°57	S 13
S 14	9 34 14	24°58'48	12♉28	7°25	12°46	19°27	21°41	5°11	21° 8	3°57	3°15	17° 4	18° 8	2°39	14°56	S 14
M15	9 38 10	25°59'17	26°21	9°12	14° 1	20°13	21°52	5°18	21° 8	3°58	3°15	17°R 4	18° 5	2°46	14°56	M15
T 16	9 42 7	26°59'45	9♊55	10°57	15°16	20°58	22° 3	5°24	21° 9	3°59	3°D15	17° 4	18° 2	2°53	14°56	T 16
W17	9 46 3	28° 0'11	23°12	12°40	16°30	21°43	22°14	5°31	21° 9	3°59	3°15	17° 2	17°58	2°59	14°55	W17
T 18	9 50 0	29° 0'34	6♋12	14°20	17°45	22°29	22°25	5°37	21° 9	4° 0	3°15	17° 0	17°55	3° 6	14°55	T 18
F 19	9 53 56	0♓ 0'56	18°58	15°58	18°59	23°14	22°37	5°44	21°10	4° 0	3°16	16°58	17°52	3°13	14°55	F 19
S 20	9 57 53	1° 1'16	1♌30	17°32	20°14	23°59	22°48	5°50	21°10	4° 1	3°16	16°55	17°49	3°19	14°D55	S 20
S 21	10 1 49	2° 1'34	13°51	19° 2	21°29	24°45	23° 0	5°57	21°10	4° 1	3°16	16°53	17°46	3°26	14°55	S 21
M22	10 5 46	3° 1'50	26° 1	20°27	22°43	25°30	23°11	6° 4	21°10	4° 2	3°16	16°51	17°43	3°33	14°55	M22
T 23	10 9 43	4° 2'05	8♍ 3	21°47	23°58	26°16	23°23	6°11	21°11	4° 2	3°16	16°50	17°39	3°39	14°55	T 23
W24	10 13 39	5° 2'18	19°58	23° 1	25°12	27° 1	23°35	6°17	21°R11	4° 2	3°16	16°D50	17°36	3°46	14°56	W24
T 25	10 17 36	6° 2'28	1♎48	24° 8	26°26	27°47	23°46	6°24	21°11	4° 3	3°16	16°51	17°33	3°53	14°56	T 25
F 26	10 21 32	7° 2'38	13°36	25° 8	27°41	28°32	23°58	6°31	21°10	4° 3	3°16	16°51	17°30	3°59	14°57	F 26
S 27	10 25 29	8° 2'45	25°25	26° 1	28°55	29°18	24°10	6°38	21°10	4° 3	3°17	16°52	17°27	4° 6	14°57	S 27
S 28	10 29 25	9° 2'51	7♏18	26°45	0♈ 9	0♒ 4	24°22	6°45	21°10	4° 4	3°17	16°53	17°23	4°13	14°58	S 28
M29	10 33 22	10♓ 2'55	19♏18	27♓21	1♈24	0♒49	24♈35	6♈52	21♏10	4♐ 4	3♊17	16♍54	17♍20	4♎19	14♊59	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s16	11s 9	4n12	18s39	2s 2	14s 6	1s30	23s47	0s39	6n35	1s 9	0s34	2s18	17s43	0n19	19s21	1n38	9n30	11s34	4n58	4n26	0n32	16n54	5s47
T 2	16 59	14 0	4 45	18 5	2 0	13 40	1 30	23 44	0 40	6 38	1 9	0 32	2 18	17 43	0 19	19 21	1 38	9 30	11 33	4 58	4 27	0 30	16 54	5 47
W 3	16 42	16 16	5 6	17 31	1 57	13 14	1 30	23 41	0 40	6 42	1 8	0 29	2 18	17 44	0 19	19 21	1 38	9 30	11 33	4 59	4 28	0 28	16 55	5 46
T 4	16 24	17 48	5 13	16 54	1 54	12 47	1 30	23 38	0 41	6 46	1 8	0 27	2 18	17 44	0 19	19 21	1 38	9 30	11 33	5 0	4 30	0 26	16 55	5 46
F 5	16 6	18 25	5 3	16 16	1 51	12 20	1 30	23 34	0 42	6 50	1 8	0 24	2 18	17 44	0 19	19 21	1 38	9 31	11 33	5 2	4 31	0 24	16 55	5 46
S 6	15 48	17 59	4 35	15 37	1 47	11 53	1 29	23 30	0 42	6 54	1 8	0 22	2 18	17 45	0 19	19 21	1 38	9 31	11 32	5 4	4 32	0 23	16 55	5 45
S 7	15 30	16 26	3 50	14 56	1 42	11 26	1 29	23 26	0 43	6 58	1 7	0 19	2 18	17 45	0 19	19 22	1 38	9 31	11 32	5 6	4 33	0 21	16 55	5 45
M 8	15 11	13 47	2 49	14 14	1 37	10 58	1 28	23 22	0 44	7 2	1 7	0 17	2 17	17 45	0 19	19 22	1 38	9 31	11 32	5 7	4 35	0 19	16 56	5 45
T 9	14 52	10 13	1 35	13 30	1 31	10 29	1 28	23 18	0 44	7 6	1 7	0 14	2 17	17 45	0 19	19 22	1 38	9 31	11 31	5 8	4 36	0 17	16 56	5 44
W10	14 32	5 59	0 15	12 45	1 24	10 1	1 27	23 13	0 45	7 10	1 7	0 12	2 17	17 45	0 19	19 22	1 38	9 32	11 31	5 9	4 37	0 15	16 56	5 44
T 11	14 13	1 22	1s 6	11 59	1 17	9 32	1 27	23 8	0 46	7 14	1 7	0 9	2 17	17 46	0 19	19 22	1 38	9 32	11 31	5 9	4 38	0 13	16 56	5 44
F 12	13 53	3n16	2 22	11 12	1 9	9 3	1 26	23 3	0 46	7 18	1 6	0 7	2 17	17 46	0 19	19 22	1 38	9 32	11 31	5 8	4 40	0 11	16 57	5 43
S 13	13 33	7 38	3 28	10 25	1 1	8 34	1 25	22 57	0 47	7 23	1 6	0 4	2 17	17 46	0 19	19 22	1 38	9 33	11 30	5 7	4 41	0 10	16 57	5 43
S 14	13 13	11 28	4 20	9 36	0 51	8 5	1 24	22 51	0 48	7 27	1 6	0 1	2 17	17 46	0 19	19 22	1 38	9 33	11 30	5 7	4 42	0 8	16 57	5 43
M15	12 53	14 35	4 56	8 47	0 41	7 35	1 23	22 45	0 48	7 31	1 6	0n 1	2 16	17 46	0 19	19 22	1 38	9 33	11 30	5 7	4 43	0 6	16 57	5 42
T 16	12 32	16 49	5 13	7 57	0 31	7 5	1 22	22 39	0 49	7 35	1 6	0 4	2 16	17 46	0 19	19 22	1 38	9 33	11 29	5 7	4 45	0 4	16 58	5 42
W17	12 11	18 5	5 14	7 7	0 20	6 35	1 21	22 33	0 50	7 40	1 5	0 7	2 16	17 46	0 19	19 22	1 38	9 34	11 29	5 8	4 46	0 2	16 58	5 42
T 18	11 50	18 22	4 58	6 18	0 8	6 5	1 20	22 26	0 50	7 44	1 5	0 9	2 16	17 47	0 19	19 23	1 38	9 34	11 29	5 8	4 47	0 0	16 58	5 41
F 19	11 29	17 43	4 28	5 28	0n 5	5 35	1 19	22 19	0 51	7 48	1 5	0 12	2 16	17 47	0 19	19 23	1 38	9 34	11 29	5 9	4 48	0s 2	16 59	5 41
S 20	11 8	16 12	3 46	4 40	0 18	5 4	1 18	22 12	0 52	7 53	1 5	0 15	2 16	17 47	0 19	19 23	1 38	9 34	11 28	5 10	4 49	0 3	16 59	5 41
S 21	10 46	13 56	2 53	3 52	0 31	4 33	1 16	22 5	0 52	7 57	1 5	0 18	2 16	17 47	0 19	19 23	1 39	9 35	11 28	5 11	4 51	0 5	17 0	5 40
M22	10 25	11 6	1 53	3 6	0 45	4 3	1 15	21 57	0 53	8 2	1 4	0 20	2 16	17 47	0 19	19 23	1 39	9 35	11 28	5 12	4 52	0 7	17 0	5 40
T 23	10 3	7 49	0 49	2 21	0 59	3 32	1 14	21 49	0 54	8 6	1 4	0 23	2 15	17 47	0 19	19 23	1 39	9 35	11 28	5 12	4 53	0 9	17 0	5 39
W24	9 41	4 15	0n17	1 39	1 14	3 1	1 12	21 41	0 54	8 11	1 4	0 26	2 15	17 47	0 19	19 23	1 39	9 36	11 27	5 12	4 54	0 11	17 1	5 39
T 25	9 19	0 32	1 22	0 59	1 28	2 30	1 11	21 33	0 55	8 15	1 4	0 29	2 15	17 47	0 19	19 23	1 39	9 36	11 27	5 12	4 56	0 13	17 1	5 39
F 26	8 56	3s11	2 23	0 22	1 43	1 59	1 9	21 24	0 56	8 20	1 4	0 31	2 15	17 47	0 19	19 23	1 39	9 36	11 27	5 12	4 57	0 15	17 2	5 38
S 27	8 34	6 46	3 18	0n12	1 57	1 28	1 7	21 15	0 56	8 24	1 3	0 34	2 15	17 47	0 19	19 23	1 39	9 37	11 26	5 12	4 58	0 17	17 2	5 38
S 28	8 12	10 6	4 5	0 43	2 11	0 56	1 6	21 6	0 57	8 29	1 3	0 37	2 15	17 47	0 19	19 23	1 39	9 37	11 26	5 11	4 59	0 18	17 2	5 38
M29	7s49	13s 4	4n42	1n 9	2n25	0s25	1s 4	20s57	0s58	8n34	1s 3	0n40	2s15	17s47	0n19	19s23	1n39	9n37	11s26	5n11	5n 1	0s20	17n 3	5s37

Julian Day Number = 2321549.5, Delta T = 47.46 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'21, Lahiri = 18°53'22Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

MARCH 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 37 18	11♓ 2'58	1♐32	27♓48	2♈38	1♒35	24♈47	6♈59	21°R10	4♐ 4	3♊18	16♍54	17♍17	4♎26	14♊59	T 1
W 2	10 41 15	12° 2'59	14° 1	28° 6	3°52	2°21	24°59	7° 6	21♏ 9	4° 4	3°18	16°R55	17°14	4°33	15° 0	W 2
T 3	10 45 11	13° 2'59	26°52	28°15	5° 6	3° 6	25°12	7°13	21° 9	4° 4	3°18	16°54	17°11	4°39	15° 1	T 3
F 4	10 49 8	14° 2'57	10♑ 8	28°R15	6°20	3°52	25°24	7°20	21° 9	4° 4	3°19	16°54	17° 8	4°46	15° 2	F 4
S 5	10 53 5	15° 2'53	23°50	28° 6	7°35	4°38	25°37	7°28	21° 8	4° 4	3°19	16°54	17° 4	4°52	15° 4	S 5
S 6	10 57 1	16° 2'48	7♒58	27°49	8°49	5°24	25°49	7°35	21° 8	4°R 4	3°19	16°54	17° 1	4°59	15° 5	S 6
M 7	11 0 58	17° 2'40	22°32	27°24	10° 3	6°10	26° 2	7°42	21° 7	4° 4	3°20	16°D54	16°58	5° 6	15° 6	M 7
T 8	11 4 54	18° 2'31	7♓26	26°51	11°17	6°55	26°15	7°49	21° 6	4° 4	3°20	16°54	16°55	5°12	15° 7	T 8
W 9	11 8 51	19° 2'20	22°33	26°12	12°31	7°41	26°28	7°56	21° 6	4° 4	3°21	16°R54	16°52	5°19	15° 9	W 9
T 10	11 12 47	20° 2'07	7♈43	25°27	13°44	8°27	26°41	8° 4	21° 5	4° 4	3°21	16°54	16°49	5°26	15°10	T 10
F 11	11 16 44	21° 1'52	22°47	24°38	14°58	9°13	26°54	8°11	21° 4	4° 4	3°22	16°53	16°45	5°32	15°12	F 11
S 12	11 20 40	22° 1'35	7♉37	23°46	16°12	9°59	27° 7	8°18	21° 3	4° 4	3°22	16°53	16°42	5°39	15°14	S 12
S 13	11 24 37	23° 1'15	22° 6	22°51	17°26	10°45	27°20	8°26	21° 2	4° 3	3°23	16°52	16°39	5°46	15°16	S 13
M14	11 28 34	24° 0'54	6♊11	21°56	18°40	11°31	27°33	8°33	21° 1	4° 3	3°23	16°52	16°36	5°52	15°17	M14
T 15	11 32 30	25° 0'29	19°51	21° 1	19°53	12°16	27°46	8°41	21° 0	4° 3	3°24	16°D51	16°33	5°59	15°19	T 15
W16	11 36 27	26° 0'03	3♋ 6	20° 7	21° 7	13° 2	27°59	8°48	20°59	4° 2	3°24	16°51	16°29	6° 6	15°21	W16
T 17	11 40 23	26°59'34	16° 0	19°16	22°21	13°48	28°12	8°55	20°58	4° 2	3°25	16°52	16°26	6°12	15°23	T 17
F 18	11 44 20	27°59'03	28°34	18°28	23°34	14°34	28°26	9° 3	20°57	4° 2	3°26	16°53	16°23	6°19	15°26	F 18
S 19	11 48 16	28°58'30	10♌54	17°44	24°48	15°20	28°39	9°10	20°56	4° 1	3°26	16°54	16°20	6°26	15°28	S 19
S 20	11 52 13	29°57'54	23° 1	17° 4	26° 1	16° 6	28°53	9°18	20°55	4° 1	3°27	16°55	16°17	6°32	15°30	S 20
M21	11 56 9	0♈57'17	5♍ 0	16°30	27°15	16°52	29° 6	9°25	20°53	4° 0	3°28	16°56	16°14	6°39	15°33	M21
T 22	12 0 6	1°56'36	16°52	16° 1	28°28	17°38	29°20	9°33	20°52	4° 0	3°28	16°R56	16°10	6°46	15°35	T 22
W23	12 4 3	2°55'54	28°42	15°38	29°41	18°24	29°33	9°40	20°51	3°59	3°29	16°56	16° 7	6°52	15°38	W23
T 24	12 7 59	3°55'10	10♎30	15°21	0♉55	19°10	29°47	9°48	20°49	3°59	3°30	16°55	16° 4	6°59	15°40	T 24
F 25	12 11 56	4°54'24	22°19	15°10	2° 8	19°56	0♉ 1	9°55	20°48	3°58	3°31	16°52	16° 1	7° 6	15°43	F 25
S 26	12 15 52	5°53'35	4♏12	15°D 4	3°21	20°42	0°14	10° 3	20°46	3°57	3°32	16°50	15°58	7°12	15°46	S 26
S 27	12 19 49	6°52'45	16°10	15° 4	4°34	21°28	0°28	10°11	20°45	3°57	3°32	16°46	15°54	7°19	15°48	S 27
M28	12 23 45	7°51'53	28°15	15° 9	5°47	22°14	0°42	10°18	20°43	3°56	3°33	16°43	15°51	7°26	15°51	M28
T 29	12 27 42	8°51'00	10♐32	15°20	7° 0	23° 0	0°56	10°26	20°42	3°55	3°34	16°40	15°48	7°32	15°54	T 29
W30	12 31 38	9°50'04	23° 3	15°36	8°13	23°46	1°10	10°33	20°40	3°55	3°35	16°38	15°45	7°39	15°57	W30
T 31	12 35 35	10♈49'07	5♑50	15♓57	9♉26	24♒32	1♉23	10♈41	20♏38	3♐54	3♊36	16°D37	15♍42	7♎45	16♊ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s26	15s30	5n 7	1n32	2n37	0n 6	1s 2	20s47	0s58	8n38	1s 3	0n43	2s15	17s47	0n19	19s23	1n39	9n38	11s26	5n11	5n 2	0s22	17n 3	5s37
W 2	7 3	17 16	5 18	1 50	2 50	0 37	1 0	20 38	0 59	8 43	1 3	0 46	2 15	17 46	0 19	19 23	1 39	9 38	11 25	5 11	5 3	0 24	17 4	5 37
T 3	6 40	18 14	5 13	2 4	3 1	1 9	0 58	20 28	0 59	8 48	1 3	0 49	2 15	17 46	0 19	19 23	1 39	9 38	11 25	5 11	5 4	0 26	17 4	5 36
F 4	6 17	18 14	4 52	2 13	3 11	1 40	0 56	20 18	1 0	8 52	1 2	0 51	2 15	17 46	0 19	19 23	1 39	9 39	11 25	5 11	5 6	0 28	17 5	5 36
S 5	5 54	17 12	4 15	2 17	3 19	2 11	0 54	20 7	1 1	8 57	1 2	0 54	2 14	17 46	0 19	19 23	1 39	9 39	11 24	5 11	5 7	0 30	17 5	5 35
S 6	5 31	15 5	3 20	2 17	3 26	2 42	0 52	19 57	1 1	9 2	1 2	0 57	2 14	17 46	0 19	19 22	1 39	9 39	11 24	5 11	5 8	0 31	17 6	5 35
M 7	5 8	11 57	2 11	2 12	3 32	3 13	0 50	19 46	1 2	9 7	1 2	1 0	2 14	17 46	0 19	19 22	1 39	9 40	11 24	5 11	5 9	0 33	17 6	5 35
T 8	4 44	7 59	0 52	2 2	3 36	3 45	0 47	19 35	1 3	9 11	1 2	1 3	2 14	17 46	0 19	19 22	1 39	9 40	11 24	5 11	5 11	0 35	17 7	5 34
W 9	4 21	3 27	0s31	1 49	3 37	4 16	0 45	19 24	1 3	9 16	1 2	1 6	2 14	17 45	0 19	19 22	1 39	9 40	11 23	5 11	5 12	0 37	17 7	5 34
T 10	3 57	1n20	1 53	1 31	3 37	4 46	0 43	19 13	1 4	9 21	1 1	1 9	2 14	17 45	0 19	19 22	1 39	9 41	11 23	5 11	5 13	0 39	17 8	5 34
F 11	3 34	5 59	3 7	1 10	3 35	5 17	0 40	19 1	1 4	9 26	1 1	1 12	2 14	17 45	0 19	19 22	1 39	9 41	11 23	5 11	5 14	0 41	17 8	5 33
S 12	3 10	10 11	4 6	0 45	3 31	5 48	0 38	18 49	1 5	9 31	1 1	1 15	2 14	17 45	0 19	19 22	1 40	9 41	11 23	5 11	5 16	0 43	17 9	5 33
S 13	2 47	13 40	4 49	0 18	3 25	6 19	0 36	18 37	1 6	9 35	1 1	1 18	2 14	17 45	0 19	19 22	1 40	9 42	11 22	5 12	5 17	0 45	17 9	5 33
M14	2 23	16 15	5 12	0s11	3 18	6 49	0 33	18 25	1 6	9 40	1 1	1 21	2 14	17 44	0 19	19 22	1 40	9 42	11 22	5 12	5 18	0 46	17 10	5 32
T 15	1 59	17 49	5 17	0 41	3 8	7 19	0 31	18 13	1 7	9 45	1 1	1 24	2 14	17 44	0 19	19 22	1 40	9 42	11 22	5 12	5 19	0 48	17 10	5 32
W16	1 36	18 22	5 5	1 12	2 58	7 49	0 28	18 1	1 7	9 50	1 1	1 27	2 14	17 44	0 19	19 22	1 40	9 43	11 21	5 12	5 20	0 50	17 11	5 32
T 17	1 12	17 55	4 38	1 43	2 46	8 19	0 25	17 48	1 8	9 55	1 0	1 30	2 14	17 43	0 19	19 22	1 40	9 43	11 21	5 12	5 22	0 52	17 12	5 31
F 18	0 48	16 36	3 58	2 14	2 32	8 49	0 23	17 35	1 9	10 0	1 0	1 33	2 14	17 43	0 19	19 21	1 40	9 44	11 21	5 11	5 23	0 54	17 12	5 31
S 19	0 25	14 32	3 7	2 44	2 18	9 19	0 20	17 22	1 9	10 5	1 0	1 36	2 14	17 43	0 19	19 21	1 40	9 44	11 21	5 11	5 24	0 56	17 13	5 31
S 20	0 1	11 50	2 9	3 13	2 4	9 48	0 17	17 9	1 10	10 10	1 0	1 39	2 14	17 42	0 19	19 21	1 40	9 44	11 20	5 11	5 25	0 58	17 13	5 30
M21	0n23	8 41	1 6	3 40	1 48	10 17	0 15	16 56	1 10	10 15	1 0	1 41	2 14	17 42	0 19	19 21	1 40	9 45	11 20	5 10	5 27	1 0	17 14	5 30
T 22	0 46	5 11	0 0	4 6	1 33	10 46	0 12	16 42	1 11	10 19	1 0	1 44	2 14	17 42	0 19	19 21	1 40	9 45	11 20	5 10	5 28	1 1	17 14	5 30
W23	1 10	1 31	1n 5	4 29	1 17	11 14	0 9	16 28	1 11	10 24	1 0	1 47	2 14	17 41	0 19	19 21	1 40	9 45	11 20	5 10	5 29	1 3	17 15	5 29
T 24	1 34	2s13	2 7	4 50	1 2	11 43	0 6	16 14	1 12	10 29	1 0	1 50	2 14	17 41	0 19	19 21	1 40	9 46	11 19	5 11	5 30	1 5	17 16	5 29
F 25	1 57	5 52	3 4	5 9	0 46	12 11	0 3	16 0	1 12	10 34	0 59	1 53	2 14	17 41	0 19	19 20	1 40	9 46	11 19	5 12	5 32	1 7	17 16	5 29
S 26	2 21	9 18	3 52	5 25	0 31	12 39	0 1	15 46	1 13	10 39	0 59	1 56	2 14	17 40	0 19	19 20	1 40	9 47	11 19	5 13	5 33	1 9	17 17	5 28
S 27	2 44	12 22	4 32	5 38	0 17	13 6	0n 2	15 32	1 14	10 44	0 59	1 59	2 14	17 40	0 19	19 20	1 40	9 47	11 19	5 14	5 34	1 11	17 17	5 28
M28	3 8	14 57	4 59	5 50	0 2	13 33	0 5	15 18	1 14	10 49	0 59	2 2	2 14	17 39	0 19	19 20	1 40	9 47	11 19	5 15	5 35	1 13	17 18	5 28
T 29	3 31	16 54	5 13	5 58	0s12	14 0	0 8	15 3	1 15	10 54	0 59	2 5	2 14	17 39	0 19	19 20	1 40	9 48	11 18	5 16	5 37	1 14	17 19	5 27
W30	3 54	18 5	5 13	6 4	0 25	14 27	0 11	14 48	1 15	10 59	0 59	2 8	2 14	17 39	0 19	19 20	1 40	9 48	11 18	5 17	5 38	1 16	17 19	5 27
T 31	4n17	18s24	4n58	6s 8	0s38	14n53	0n14	14s33	1s16	11n 4	0s59	2n11	2s14	17s38	0n19	19s19	1n40	9n48	11s18	5n17	5n39	1s18	17n20	5s27

Julian Day Number = 2321578.5, Delta T = 47.40 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'25, Lahiri = 18°53'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

APRIL 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 39 32	11♈48'07	18♉59	16♓22	10♉39	25♒18	1♉37	10♈48	20°R37	3°R53	3♊37	16♍37	15♍39	7♎52	16♊ 3	F 1
S 2	12 43 28	12°47'07	2♒31	16°52	11°52	26° 4	1°51	10°56	20♏35	3♐52	3°38	16°38	15°35	7°59	16° 7	S 2
S 3	12 47 25	13°46'04	16°28	17°27	13° 4	26°50	2° 5	11° 3	20°33	3°51	3°38	16°40	15°32	8° 5	16°10	S 3
M 4	12 51 21	14°45'00	0♓50	18° 5	14°17	27°36	2°19	11°11	20°31	3°50	3°39	16°41	15°29	8°12	16°13	M 4
T 5	12 55 18	15°43'53	15°35	18°47	15°30	28°22	2°33	11°18	20°29	3°49	3°40	16°R42	15°26	8°19	16°17	T 5
W 6	12 59 14	16°42'45	0♈38	19°33	16°42	29° 9	2°47	11°26	20°27	3°48	3°41	16°41	15°23	8°25	16°20	W 6
T 7	13 3 11	17°41'35	15°50	20°22	17°55	29°55	3° 1	11°34	20°25	3°47	3°42	16°39	15°20	8°32	16°24	T 7
F 8	13 7 7	18°40'23	1♉ 3	21°14	19° 7	0♓41	3°16	11°41	20°23	3°46	3°43	16°35	15°16	8°39	16°27	F 8
S 9	13 11 4	19°39'09	16° 5	22° 9	20°20	1°27	3°30	11°49	20°21	3°45	3°44	16°31	15°13	8°45	16°31	S 9
S 10	13 15 0	20°37'53	0♊48	23° 8	21°32	2°13	3°44	11°56	20°19	3°44	3°45	16°26	15°10	8°52	16°35	S 10
M11	13 18 57	21°36'35	15° 6	24° 9	22°44	2°59	3°58	12° 4	20°17	3°43	3°46	16°21	15° 7	8°59	16°38	M11
T 12	13 22 54	22°35'14	28°56	25°13	23°57	3°45	4°12	12°11	20°15	3°42	3°48	16°18	15° 4	9° 5	16°42	T 12
W13	13 26 50	23°33'51	12♋18	26°19	25° 9	4°31	4°27	12°19	20°13	3°41	3°49	16°15	15° 0	9°12	16°46	W13
T 14	13 30 47	24°32'27	25°13	27°28	26°21	5°17	4°41	12°26	20°11	3°40	3°50	16°D15	14°57	9°19	16°50	T 14
F 15	13 34 43	25°30'59	7♌45	28°40	27°33	6° 3	4°55	12°33	20° 9	3°39	3°51	16°16	14°54	9°25	16°54	F 15
S 16	13 38 40	26°29'30	20° 0	29°54	28°45	6°49	5° 9	12°41	20° 6	3°38	3°52	16°17	14°51	9°32	16°58	S 16
S 17	13 42 36	27°27'58	2♍ 1	1♈10	29°57	7°35	5°23	12°48	20° 4	3°36	3°53	16°19	14°48	9°39	17° 2	S 17
M18	13 46 33	28°26'25	13°54	2°28	1♊ 9	8°21	5°38	12°56	20° 2	3°35	3°54	16°R19	14°45	9°45	17° 6	M18
T 19	13 50 29	29°24'49	25°42	3°48	2°21	9° 6	5°52	13° 3	20° 0	3°34	3°55	16°19	14°41	9°52	17°11	T 19
W20	13 54 26	0♉23'11	7♎29	5°10	3°32	9°52	6° 6	13°10	19°57	3°33	3°56	16°17	14°38	9°59	17°15	W20
T 21	13 58 23	1°21'31	19°18	6°35	4°44	10°38	6°21	13°18	19°55	3°31	3°58	16°12	14°35	10° 5	17°19	T 21
F 22	14 2 19	2°19'50	1♏12	8° 1	5°55	11°24	6°35	13°25	19°53	3°30	3°59	16° 6	14°32	10°12	17°23	F 22
S 23	14 6 16	3°18'06	13°12	9°29	7° 7	12°10	6°49	13°32	19°50	3°29	4° 0	15°58	14°29	10°19	17°28	S 23
S 24	14 10 12	4°16'21	25°19	11° 0	8°18	12°56	7° 4	13°40	19°48	3°27	4° 1	15°49	14°26	10°25	17°32	S 24
M25	14 14 9	5°14'34	7♐35	12°32	9°30	13°42	7°18	13°47	19°46	3°26	4° 2	15°40	14°22	10°32	17°37	M25
T 26	14 18 5	6°12'46	20° 2	14° 6	10°41	14°28	7°32	13°54	19°43	3°25	4° 4	15°32	14°19	10°39	17°41	T 26
W27	14 22 2	7°10'56	2♑41	15°42	11°52	15°13	7°47	14° 1	19°41	3°23	4° 5	15°25	14°16	10°45	17°46	W27
T 28	14 25 58	8° 9'05	15°33	17°20	13° 3	15°59	8° 1	14° 8	19°38	3°22	4° 6	15°20	14°13	10°52	17°50	T 28
F 29	14 29 55	9° 7'12	28°42	19° 0	14°14	16°45	8°15	14°15	19°36	3°20	4° 7	15°18	14°10	10°59	17°55	F 29
S 30	14 33 52	10♉ 5'18	12♒ 9	20♈41	15♊25	17♓31	8♉29	14♈22	19♏33	3♐19	4♊ 9	15°D17	14♍ 6	11♎ 5	18♊ 0	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n40	17s44	4n26	6s 9	0s50	15n19	0n17	14s18	1s16	11n 9	0s59	2n14	2s14	17s38	0n19	19s19	1n40	9n49	11s18	5n17	5n40	1s20	17n20	5s26
S 2	5 4	16 4	3 40	6 8	1 2	15 44	0 20	14 3	1 17	11 14	0 59	2 17	2 14	17 37	0 19	19 19	1 41	9 49	11 17	5 17	5 41	1 22	17 21	5 26
S 3	5 27	13 24	2 39	6 5	1 13	16 9	0 23	13 48	1 17	11 18	0 58	2 20	2 14	17 37	0 19	19 19	1 41	9 50	11 17	5 16	5 43	1 24	17 22	5 26
M 4	5 49	9 51	1 26	6 0	1 23	16 34	0 26	13 32	1 18	11 23	0 58	2 23	2 14	17 36	0 19	19 19	1 41	9 50	11 17	5 16	5 44	1 26	17 22	5 25
T 5	6 12	5 36	0 6	5 52	1 33	16 58	0 29	13 17	1 18	11 28	0 58	2 26	2 14	17 36	0 19	19 18	1 41	9 50	11 17	5 16	5 45	1 28	17 23	5 25
W 6	6 35	0 54	1s16	5 43	1 42	17 22	0 32	13 1	1 19	11 33	0 58	2 29	2 14	17 35	0 19	19 18	1 41	9 51	11 17	5 16	5 46	1 29	17 24	5 25
T 7	6 57	3n53	2 33	5 31	1 51	17 45	0 35	12 45	1 19	11 38	0 58	2 32	2 14	17 35	0 19	19 18	1 41	9 51	11 16	5 17	5 48	1 31	17 24	5 25
F 8	7 20	8 26	3 39	5 18	1 59	18 8	0 38	12 30	1 20	11 43	0 58	2 35	2 14	17 34	0 19	19 18	1 41	9 51	11 16	5 18	5 49	1 33	17 25	5 24
S 9	7 42	12 22	4 30	5 3	2 6	18 31	0 41	12 14	1 20	11 48	0 58	2 37	2 14	17 34	0 19	19 17	1 41	9 52	11 16	5 20	5 50	1 35	17 25	5 24
S 10	8 4	15 27	5 1	4 46	2 12	18 53	0 44	11 57	1 20	11 53	0 58	2 40	2 14	17 33	0 19	19 17	1 41	9 52	11 16	5 22	5 51	1 37	17 26	5 24
M11	8 26	17 29	5 12	4 27	2 18	19 14	0 46	11 41	1 21	11 58	0 58	2 43	2 14	17 32	0 19	19 17	1 41	9 53	11 15	5 24	5 53	1 39	17 27	5 24
T 12	8 48	18 24	5 5	4 6	2 24	19 35	0 49	11 25	1 21	12 2	0 58	2 46	2 14	17 32	0 19	19 17	1 41	9 53	11 15	5 25	5 54	1 41	17 27	5 23
W13	9 10	18 15	4 41	3 44	2 29	19 56	0 52	11 9	1 22	12 7	0 57	2 49	2 14	17 31	0 19	19 17	1 41	9 53	11 15	5 26	5 55	1 43	17 28	5 23
T 14	9 32	17 9	4 3	3 21	2 33	20 16	0 55	10 52	1 22	12 12	0 57	2 52	2 14	17 31	0 19	19 16	1 41	9 54	11 15	5 26	5 56	1 44	17 29	5 23
F 15	9 53	15 14	3 15	2 55	2 36	20 36	0 58	10 35	1 23	12 17	0 57	2 55	2 14	17 30	0 19	19 16	1 41	9 54	11 15	5 26	5 57	1 46	17 29	5 23
S 16	10 14	12 39	2 19	2 29	2 39	20 55	1 1	10 19	1 23	12 22	0 57	2 57	2 14	17 30	0 19	19 16	1 41	9 54	11 15	5 25	5 59	1 48	17 30	5 22
S 17	10 35	9 35	1 17	2 1	2 42	21 13	1 4	10 2	1 23	12 27	0 57	3 0	2 14	17 29	0 19	19 16	1 41	9 55	11 14	5 25	6 0	1 50	17 30	5 22
M18	10 56	6 9	0 13	1 31	2 44	21 31	1 7	9 45	1 24	12 31	0 57	3 3	2 14	17 28	0 19	19 15	1 41	9 55	11 14	5 24	6 1	1 52	17 31	5 22
T 19	11 17	2 29	0n51	1 1	2 45	21 48	1 9	9 28	1 24	12 36	0 57	3 6	2 14	17 28	0 19	19 15	1 41	9 56	11 14	5 25	6 2	1 54	17 32	5 22
W20	11 38	1s15	1 52	0 29	2 46	22 5	1 12	9 11	1 25	12 41	0 57	3 9	2 15	17 27	0 19	19 15	1 41	9 56	11 14	5 25	6 4	1 56	17 32	5 21
T 21	11 58	4 58	2 49	0n 5	2 46	22 21	1 15	8 54	1 25	12 46	0 57	3 11	2 15	17 27	0 19	19 14	1 41	9 56	11 14	5 27	6 5	1 58	17 33	5 21
F 22	12 18	8 30	3 39	0 39	2 45	22 37	1 18	8 37	1 25	12 51	0 57	3 14	2 15	17 26	0 19	19 14	1 41	9 57	11 14	5 30	6 6	2 0	17 33	5 21
S 23	12 38	11 43	4 19	1 15	2 44	22 52	1 20	8 20	1 26	12 55	0 57	3 17	2 15	17 25	0 19	19 14	1 41	9 57	11 13	5 33	6 7	2 1	17 34	5 21
S 24	12 58	14 28	4 48	1 52	2 43	23 6	1 23	8 2	1 26	13 0	0 57	3 20	2 15	17 25	0 19	19 14	1 41	9 57	11 13	5 36	6 9	2 3	17 35	5 21
M25	13 18	16 37	5 4	2 30	2 41	23 20	1 26	7 45	1 26	13 5	0 57	3 22	2 15	17 24	0 19	19 13	1 41	9 58	11 13	5 40	6 10	2 5	17 35	5 20
T 26	13 37	18 1	5 6	3 9	2 38	23 33	1 28	7 28	1 27	13 10	0 57	3 25	2 15	17 23	0 19	19 13	1 41	9 58	11 13	5 43	6 11	2 7	17 36	5 20
W27	13 56	18 34	4 53	3 49	2 35	23 45	1 31	7 10	1 27	13 14	0 57	3 28	2 15	17 23	0 19	19 13	1 41	9 58	11 13	5 46	6 12	2 9	17 36	5 20
T 28	14 15	18 10	4 26	4 30	2 31	23 57	1 33	6 53	1 27	13 19	0 56	3 30	2 15	17 22	0 19	19 12	1 41	9 59	11 13	5 47	6 13	2 11	17 37	5 20
F 29	14 34	16 48	3 44	5 11	2 27	24 8	1 36	6 35	1 28	13 24	0 56	3 33	2 15	17 21	0 19	19 12	1 41	9 59	11 12	5 48	6 15	2 13	17 38	5 20
S 30	14n52	14s29	2n48	5n54	2s22	24n18	1n38	6s18	1s28	13n28	0s56	3n36	2s15	17s21	0n19	19s12	1n41	10n 0	11s12	5n48	6n16	2s15	17n38	5s19

Julian Day Number = 2321609.5, Delta T = 47.34 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'29, Lahiri = 18°53'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

MAY 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 37 48	11♉ 3'22	25♒56	22♈25	16♊36	18♓16	8♉44	14♈30	19°R31	3°R17	4♊10	15♍18	14♍ 3	11♎12	18♊ 5	S 1
M 2	14 41 45	12° 1'25	10♓ 4	24°11	17°47	19° 2	8°58	14°37	19♏28	3♐16	4°11	15°R19	14° 0	11°19	18° 9	M 2
T 3	14 45 41	12°59'26	24°32	25°58	18°57	19°48	9°12	14°44	19°26	3°14	4°12	15°19	13°57	11°25	18°14	T 3
W 4	14 49 38	13°57'26	9♈19	27°47	20° 8	20°34	9°27	14°50	19°23	3°13	4°14	15°16	13°54	11°32	18°19	W 4
T 5	14 53 34	14°55'25	24°17	29°38	21°19	21°19	9°41	14°57	19°21	3°11	4°15	15°12	13°51	11°39	18°24	T 5
F 6	14 57 31	15°53'23	9♉20	1♉32	22°29	22° 5	9°55	15° 4	19°18	3°10	4°16	15° 5	13°47	11°45	18°29	F 6
S 7	15 1 27	16°51'18	24°18	3°27	23°39	22°50	10° 9	15°11	19°16	3° 8	4°18	14°56	13°44	11°52	18°34	S 7
S 8	15 5 24	17°49'13	9♊ 2	5°23	24°50	23°36	10°24	15°18	19°13	3° 7	4°19	14°47	13°41	11°58	18°39	S 8
M 9	15 9 21	18°47'06	23°24	7°22	26° 0	24°21	10°38	15°25	19°11	3° 5	4°20	14°37	13°38	12° 5	18°44	M 9
T 10	15 13 17	19°44'57	7♋19	9°23	27°10	25° 7	10°52	15°31	19° 8	3° 4	4°22	14°29	13°35	12°12	18°49	T 10
W11	15 17 14	20°42'46	20°46	11°25	28°20	25°52	11° 6	15°38	19° 6	3° 2	4°23	14°24	13°31	12°18	18°54	W11
T 12	15 21 10	21°40'34	3♌45	13°29	29°30	26°38	11°21	15°45	19° 3	3° 1	4°24	14°20	13°28	12°25	18°59	T 12
F 13	15 25 7	22°38'20	16°20	15°34	0♋40	27°23	11°35	15°51	19° 1	2°59	4°26	14°18	13°25	12°32	19° 5	F 13
S 14	15 29 3	23°36'04	28°35	17°41	1°50	28° 8	11°49	15°58	18°58	2°57	4°27	14°D18	13°22	12°38	19°10	S 14
S 15	15 33 0	24°33'47	10♍36	19°49	2°59	28°54	12° 3	16° 4	18°56	2°56	4°28	14°R19	13°19	12°45	19°15	S 15
M16	15 36 56	25°31'28	22°28	21°59	4° 9	29°39	12°17	16°11	18°53	2°54	4°30	14°19	13°16	12°52	19°20	M16
T 17	15 40 53	26°29'07	4♎15	24° 9	5°18	0♈24	12°31	16°17	18°51	2°53	4°31	14°17	13°12	12°58	19°26	T 17
W18	15 44 50	27°26'45	16° 3	26°20	6°27	1° 9	12°45	16°24	18°48	2°51	4°32	14°13	13° 9	13° 5	19°31	W18
T 19	15 48 46	28°24'22	27°56	28°32	7°37	1°55	12°59	16°30	18°46	2°49	4°34	14° 6	13° 6	13°12	19°36	T 19
F 20	15 52 43	29°21'57	9♏56	0♊44	8°46	2°40	13°13	16°36	18°43	2°48	4°35	13°57	13° 3	13°18	19°42	F 20
S 21	15 56 39	0♊19'31	22° 6	2°55	9°55	3°25	13°27	16°42	18°41	2°46	4°37	13°45	13° 0	13°25	19°47	S 21
S 22	16 0 36	1°17'04	4♐26	5° 7	11° 3	4°10	13°41	16°48	18°38	2°44	4°38	13°33	12°57	13°32	19°52	S 22
M23	16 4 32	2°14'36	16°57	7°18	12°12	4°55	13°55	16°54	18°36	2°43	4°39	13°20	12°53	13°38	19°58	M23
T 24	16 8 29	3°12'06	29°40	9°28	13°21	5°40	14° 9	17° 0	18°34	2°41	4°41	13° 8	12°50	13°45	20° 3	T 24
W25	16 12 25	4° 9'36	12♑35	11°36	14°29	6°25	14°23	17° 6	18°31	2°40	4°42	12°58	12°47	13°52	20° 9	W25
T 26	16 16 22	5° 7'05	25°41	13°44	15°37	7° 9	14°37	17°12	18°29	2°38	4°43	12°51	12°44	13°58	20°14	T 26
F 27	16 20 19	6° 4'33	9♒ 0	15°50	16°46	7°54	14°50	17°18	18°26	2°36	4°45	12°46	12°41	14° 5	20°20	F 27
S 28	16 24 15	7° 2'00	22°31	17°54	17°54	8°39	15° 4	17°24	18°24	2°35	4°46	12°44	12°37	14°12	20°25	S 28
S 29	16 28 12	7°59'26	6♓16	19°56	19° 2	9°24	15°18	17°30	18°22	2°33	4°47	12°44	12°34	14°18	20°31	S 29
M30	16 32 8	8°56'52	20°16	21°57	20° 9	10° 8	15°32	17°35	18°20	2°31	4°49	12°44	12°31	14°25	20°36	M30
T 31	16 36 5	9♊54'17	4♈30	23♊55	21♋17	10♈53	15♉45	17♈41	18♏17	2♐30	4♊50	12♍43	12♍28	14♎32	20♊42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n10	11s18	1n42	6n38	2s17	24n28	1n40	6s 0	1s28	13n33	0s56	3n38	2s16	17s20	0n19	19s12	1n41	10n 0	11s12	5n48	6n17	2s16	17n39	5s19
M 2	15 28	7 23	0 28	7 22	2 11	24 37	1 43	5 42	1 29	13 37	0 56	3 41	2 16	17 19	0 19	19 11	1 41	10 0	11 12	5 48	6 18	2 18	17 39	5 19
T 3	15 46	2 56	0s49	8 7	2 4	24 46	1 45	5 25	1 29	13 42	0 56	3 44	2 16	17 19	0 19	19 11	1 41	10 1	11 12	5 48	6 20	2 20	17 40	5 19
W 4	16 3	1n47	2 5	8 53	1 58	24 54	1 47	5 7	1 29	13 47	0 56	3 46	2 16	17 18	0 19	19 11	1 41	10 1	11 12	5 49	6 21	2 22	17 41	5 19
T 5	16 21	6 27	3 13	9 39	1 50	25 1	1 49	4 49	1 29	13 51	0 56	3 49	2 16	17 17	0 19	19 10	1 41	10 1	11 12	5 51	6 22	2 24	17 41	5 19
F 6	16 37	10 43	4 8	10 25	1 43	25 7	1 51	4 31	1 30	13 56	0 56	3 51	2 16	17 17	0 19	19 10	1 41	10 2	11 12	5 53	6 23	2 26	17 42	5 19
S 7	16 54	14 17	4 45	11 12	1 34	25 13	1 53	4 13	1 30	14 0	0 56	3 54	2 16	17 16	0 19	19 10	1 41	10 2	11 11	5 57	6 24	2 28	17 42	5 18
S 8	17 10	16 52	5 3	12 0	1 26	25 18	1 55	3 56	1 30	14 5	0 56	3 56	2 16	17 15	0 19	19 9	1 42	10 2	11 11	6 0	6 26	2 30	17 43	5 18
M 9	17 27	18 19	5 1	12 47	1 17	25 22	1 57	3 38	1 30	14 9	0 56	3 59	2 16	17 15	0 19	19 9	1 42	10 3	11 11	6 4	6 27	2 31	17 43	5 18
T 10	17 42	18 37	4 41	13 35	1 8	25 26	1 59	3 20	1 31	14 14	0 56	4 1	2 17	17 14	0 19	19 9	1 42	10 3	11 11	6 7	6 28	2 33	17 44	5 18
W11	17 58	17 50	4 5	14 22	0 58	25 29	2 1	3 2	1 31	14 18	0 56	4 4	2 17	17 13	0 19	19 9	1 42	10 3	11 11	6 9	6 29	2 35	17 44	5 18
T 12	18 13	16 8	3 19	15 9	0 48	25 31	2 2	2 44	1 31	14 23	0 56	4 6	2 17	17 13	0 19	19 8	1 42	10 4	11 11	6 11	6 31	2 37	17 45	5 18
F 13	18 28	13 41	2 23	15 56	0 38	25 33	2 4	2 26	1 31	14 27	0 56	4 9	2 17	17 12	0 19	19 8	1 42	10 4	11 11	6 11	6 32	2 39	17 45	5 18
S 14	18 42	10 42	1 23	16 42	0 27	25 33	2 5	2 8	1 31	14 31	0 56	4 11	2 17	17 11	0 19	19 8	1 42	10 4	11 11	6 11	6 33	2 41	17 46	5 18
S 15	18 57	7 18	0 20	17 27	0 17	25 34	2 7	1 50	1 32	14 36	0 56	4 13	2 17	17 11	0 19	19 7	1 42	10 4	11 11	6 11	6 34	2 43	17 46	5 17
M16	19 11	3 40	0n43	18 12	0 6	25 33	2 8	1 32	1 32	14 40	0 56	4 16	2 17	17 10	0 19	19 7	1 42	10 5	11 11	6 11	6 35	2 45	17 47	5 17
T 17	19 24	0s 6	1 44	18 55	0n 4	25 32	2 9	1 15	1 32	14 44	0 56	4 18	2 18	17 9	0 19	19 7	1 42	10 5	11 11	6 12	6 37	2 46	17 47	5 17
W18	19 38	3 52	2 40	19 37	0 15	25 30	2 10	0 57	1 32	14 49	0 56	4 20	2 18	17 9	0 19	19 6	1 42	10 5	11 11	6 13	6 38	2 48	17 48	5 17
T 19	19 50	7 30	3 30	20 17	0 25	25 27	2 12	0 39	1 32	14 53	0 56	4 22	2 18	17 8	0 19	19 6	1 42	10 6	11 10	6 16	6 39	2 50	17 48	5 17
F 20	20 3	10 52	4 10	20 55	0 35	25 24	2 13	0 21	1 32	14 57	0 56	4 25	2 18	17 7	0 19	19 6	1 42	10 6	11 10	6 20	6 40	2 52	17 49	5 17
S 21	20 15	13 49	4 40	21 31	0 45	25 20	2 14	0 3	1 32	15 1	0 56	4 27	2 18	17 7	0 19	19 5	1 42	10 6	11 10	6 24	6 42	2 54	17 49	5 17
S 22	20 27	16 12	4 57	22 5	0 55	25 15	2 14	0n15	1 32	15 5	0 56	4 29	2 18	17 6	0 19	19 5	1 42	10 7	11 10	6 29	6 43	2 56	17 50	5 17
M23	20 39	17 52	5 0	22 37	1 4	25 10	2 15	0 32	1 33	15 10	0 56	4 31	2 19	17 5	0 19	19 5	1 42	10 7	11 10	6 34	6 44	2 58	17 50	5 17
T 24	20 50	18 40	4 49	23 6	1 13	25 4	2 16	0 50	1 33	15 14	0 56	4 33	2 19	17 5	0 19	19 4	1 42	10 7	11 10	6 38	6 45	3 0	17 50	5 17
W25	21 1	18 32	4 22	23 33	1 21	24 57	2 16	1 8	1 33	15 18	0 56	4 36	2 19	17 4	0 19	19 4	1 42	10 7	11 10	6 42	6 46	3 2	17 51	5 17
T 26	21 12	17 25	3 42	23 57	1 28	24 50	2 17	1 26	1 33	15 22	0 56	4 38	2 19	17 3	0 19	19 4	1 42	10 8	11 10	6 45	6 48	3 3	17 51	5 17
F 27	21 22	15 20	2 48	24 18	1 35	24 42	2 17	1 43	1 33	15 26	0 56	4 40	2 19	17 3	0 19	19 4	1 42	10 8	11 10	6 47	6 49	3 5	17 52	5 17
S 28	21 31	12 23	1 45	24 37	1 42	24 33	2 17	2 1	1 33	15 30	0 56	4 42	2 19	17 2	0 19	19 3	1 42	10 8	11 10	6 47	6 50	3 7	17 52	5 17
S 29	21 41	8 42	0 34	24 53	1 47	24 24	2 17	2 18	1 33	15 34	0 56	4 44	2 20	17 1	0 19	19 3	1 42	10 8	11 10	6 48	6 51	3 9	17 53	5 17
M30	21 50	4 28	0s40	25 6	1 52	24 14	2 17	2 36	1 33	15 38	0 56	4 46	2 20	17 1	0 19	19 3	1 42	10 9	11 10	6 48	6 52	3 11	17 53	5 17
T 31	21n59	0n 4	1s52	25n16	1n56	24n 3	2n17	2n53	1s33	15n42	0s56	4n48	2s20	17s 0	0n19	19s 2	1n42	10n 9	11s10	6n48	6n54	3s13	17n53	5s17

Julian Day Number = 2321639.5, Delta T = 47.29 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'34, Lahiri = 18°53'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

JUNE 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 40 1	10♊51'42	18♈57	25♊50	22♋25	11♈37	15♉59	17♈47	18°R15	2°R28	4♊52	12°R40	12♍25	14♎38	20♊47	W 1
T 2	16 43 58	11°49'06	3♉35	27°44	23°32	12°22	16°12	17°52	18♏13	2♐27	4°53	12♍34	12°22	14°45	20°53	T 2
F 3	16 47 54	12°46'29	18°17	29°35	24°39	13° 6	16°26	17°58	18°10	2°25	4°54	12°26	12°18	14°52	20°59	F 3
S 4	16 51 51	13°43'52	2♊56	1♋23	25°46	13°51	16°39	18° 3	18° 8	2°23	4°56	12°16	12°15	14°58	21° 4	S 4
S 5	16 55 48	14°41'14	17°25	3° 9	26°53	14°35	16°53	18° 8	18° 6	2°22	4°57	12° 4	12°12	15° 5	21°10	S 5
M 6	16 59 44	15°38'35	1♋37	4°53	28° 0	15°19	17° 6	18°13	18° 4	2°20	4°58	11°53	12° 9	15°12	21°15	M 6
T 7	17 3 41	16°35'56	15°26	6°34	29° 7	16° 4	17°20	18°19	18° 2	2°19	5° 0	11°43	12° 6	15°18	21°21	T 7
W 8	17 7 37	17°33'15	28°51	8°12	0♌13	16°48	17°33	18°24	18° 0	2°17	5° 1	11°35	12° 3	15°25	21°27	W 8
T 9	17 11 34	18°30'34	11♌50	9°48	1°19	17°32	17°46	18°29	17°58	2°16	5° 2	11°30	11°59	15°32	21°32	T 9
F 10	17 15 30	19°27'52	24°26	11°21	2°25	18°16	17°59	18°34	17°56	2°14	5° 4	11°27	11°56	15°38	21°38	F 10
S 11	17 19 27	20°25'09	6♍43	12°52	3°31	19° 0	18°12	18°38	17°54	2°13	5° 5	11°27	11°53	15°45	21°44	S 11
S 12	17 23 23	21°22'25	18°45	14°20	4°37	19°44	18°25	18°43	17°52	2°11	5° 6	11°27	11°50	15°52	21°49	S 12
M13	17 27 20	22°19'41	0♎38	15°45	5°43	20°27	18°38	18°48	17°50	2°10	5° 8	11°26	11°47	15°58	21°55	M13
T 14	17 31 17	23°16'55	12°27	17° 8	6°48	21°11	18°51	18°53	17°48	2° 8	5° 9	11°25	11°43	16° 5	22° 1	T 14
W15	17 35 13	24°14'09	24°18	18°27	7°53	21°55	19° 4	18°57	17°46	2° 7	5°10	11°21	11°40	16°12	22° 6	W15
T 16	17 39 10	25°11'22	6♏14	19°45	8°58	22°38	19°17	19° 2	17°44	2° 5	5°12	11°15	11°37	16°18	22°12	T 16
F 17	17 43 6	26° 8'35	18°20	20°59	10° 3	23°22	19°30	19° 6	17°42	2° 4	5°13	11° 7	11°34	16°25	22°18	F 17
S 18	17 47 3	27° 5'47	0♐39	22°10	11° 7	24° 5	19°43	19°10	17°41	2° 2	5°14	10°57	11°31	16°32	22°23	S 18
S 19	17 50 59	28° 2'59	13°12	23°18	12°11	24°49	19°55	19°15	17°39	2° 1	5°16	10°45	11°28	16°38	22°29	S 19
M20	17 54 56	29° 0'11	26° 1	24°24	13°15	25°32	20° 8	19°19	17°37	1°59	5°17	10°33	11°24	16°45	22°35	M20
T 21	17 58 52	29°57'22	9♑ 3	25°26	14°19	26°15	20°20	19°23	17°36	1°58	5°18	10°22	11°21	16°52	22°40	T 21
W22	18 2 49	0♋54'33	22°19	26°25	15°23	26°59	20°33	19°27	17°34	1°57	5°19	10°13	11°18	16°59	22°46	W22
T 23	18 6 46	1°51'44	5♒46	27°21	16°26	27°42	20°45	19°31	17°32	1°55	5°21	10° 6	11°15	17° 5	22°51	T 23
F 24	18 10 42	2°48'54	19°24	28°13	17°29	28°25	20°58	19°35	17°31	1°54	5°22	10° 2	11°12	17°12	22°57	F 24
S 25	18 14 39	3°46'05	3♓10	29° 2	18°32	29° 8	21°10	19°38	17°29	1°53	5°23	10° 0	11° 9	17°19	23° 3	S 25
S 26	18 18 35	4°43'16	17° 4	29°48	19°34	29°50	21°22	19°42	17°28	1°51	5°24	10°D 0	11° 5	17°25	23° 8	S 26
M27	18 22 32	5°40'27	1♈ 6	0♌29	20°37	0♉33	21°34	19°46	17°27	1°50	5°26	10°R 1	11° 2	17°32	23°14	M27
T 28	18 26 28	6°37'39	15°15	1° 7	21°39	1°16	21°46	19°49	17°25	1°49	5°27	10° 1	10°59	17°39	23°19	T 28
W29	18 30 25	7°34'50	29°29	1°41	22°40	1°58	21°58	19°52	17°24	1°47	5°28	9°59	10°56	17°45	23°25	W29
T 30	18 34 21	8♋32'02	13♉46	2♌11	23♌42	2♉41	22♉10	19♈56	17♏23	1♐46	5♊29	9♍55	10♍53	17♎52	23♊31	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22n 7	4n41	2s59	25n24	1n59	23n52	2n17	3n11	1s33	15n46	0s56	4n50	2s20	17s 0	0n19	19s 2	1n41	10n 9	11s10	6n49	6n55	3s15	17n54	5s17	W 1
T 2	22 15	9 3	3 54	25 30	2 2	23 41	2 17	3 28	1 33	15 50	0 56	4 52	2 20	16 59	0 19	19 2	1 41	10 9	11 10	6 51	6 56	3 17	17 54	5 17	T 2
F 3	22 22	12 54	4 35	25 33	2 4	23 28	2 17	3 45	1 33	15 54	0 56	4 53	2 21	16 58	0 19	19 1	1 41	10 10	11 10	6 54	6 57	3 18	17 54	5 17	F 3
S 4	22 29	15 56	4 57	25 33	2 5	23 15	2 16	4 3	1 33	15 57	0 56	4 55	2 21	16 58	0 19	19 1	1 41	10 10	11 10	6 58	6 59	3 20	17 55	5 17	S 4
S 5	22 36	17 55	4 59	25 32	2 5	23 2	2 15	4 20	1 33	16 1	0 56	4 57	2 21	16 57	0 19	19 1	1 41	10 10	11 10	7 3	7 0	3 22	17 55	5 17	S 5
M 6	22 42	18 45	4 43	25 28	2 5	22 48	2 15	4 37	1 33	16 5	0 56	4 59	2 21	16 57	0 19	19 1	1 41	10 10	11 10	7 7	7 1	3 24	17 55	5 17	M 6
T 7	22 48	18 26	4 11	25 23	2 4	22 33	2 14	4 54	1 33	16 9	0 56	5 1	2 21	16 56	0 19	19 0	1 41	10 11	11 10	7 11	7 2	3 26	17 56	5 17	T 7
W 8	22 54	17 5	3 25	25 15	2 2	22 18	2 13	5 11	1 33	16 13	0 56	5 2	2 22	16 56	0 19	19 0	1 41	10 11	11 10	7 14	7 3	3 28	17 56	5 17	W 8
T 9	22 59	14 52	2 30	25 6	1 59	22 3	2 12	5 28	1 33	16 16	0 56	5 4	2 22	16 55	0 19	19 0	1 41	10 11	11 10	7 16	7 5	3 30	17 56	5 17	T 9
F 10	23 4	12 0	1 29	24 55	1 56	21 47	2 11	5 45	1 32	16 20	0 56	5 6	2 22	16 54	0 19	18 59	1 41	10 11	11 10	7 17	7 6	3 32	17 57	5 17	F 10
S 11	23 8	8 41	0 25	24 43	1 52	21 30	2 9	6 2	1 32	16 24	0 56	5 7	2 22	16 54	0 19	18 59	1 41	10 11	11 10	7 17	7 7	3 34	17 57	5 17	S 11
S 12	23 12	5 3	0n39	24 29	1 47	21 13	2 8	6 18	1 32	16 27	0 56	5 9	2 22	16 53	0 19	18 59	1 41	10 12	11 10	7 17	7 8	3 35	17 57	5 17	S 12
M13	23 16	1 17	1 40	24 14	1 41	20 55	2 6	6 35	1 32	16 31	0 56	5 11	2 23	16 53	0 19	18 59	1 41	10 12	11 10	7 17	7 9	3 37	17 57	5 17	M13
T 14	23 19	2s31	2 37	23 58	1 35	20 37	2 5	6 51	1 32	16 34	0 56	5 12	2 23	16 52	0 19	18 58	1 41	10 12	11 10	7 18	7 11	3 39	17 58	5 17	T 14
W15	23 21	6 14	3 27	23 40	1 29	20 18	2 3	7 8	1 32	16 38	0 56	5 14	2 23	16 52	0 19	18 58	1 41	10 12	11 10	7 19	7 12	3 41	17 58	5 18	W15
T 16	23 24	9 43	4 8	23 22	1 21	19 59	2 1	7 24	1 32	16 41	0 56	5 15	2 23	16 51	0 19	18 58	1 41	10 12	11 10	7 21	7 13	3 43	17 58	5 18	T 16
F 17	23 26	12 51	4 39	23 3	1 13	19 40	1 59	7 41	1 32	16 45	0 56	5 17	2 24	16 51	0 19	18 58	1 41	10 13	11 10	7 25	7 14	3 45	17 58	5 18	F 17
S 18	23 27	15 29	4 57	22 43	1 5	19 20	1 57	7 57	1 31	16 48	0 56	5 18	2 24	16 50	0 18	18 57	1 41	10 13	11 10	7 29	7 16	3 47	17 58	5 18	S 18
S 19	23 28	17 26	5 1	22 23	0 56	19 0	1 54	8 13	1 31	16 51	0 56	5 19	2 24	16 50	0 18	18 57	1 41	10 13	11 10	7 33	7 17	3 49	17 59	5 18	S 19
M20	23 29	18 35	4 51	22 2	0 46	18 39	1 52	8 29	1 31	16 55	0 56	5 21	2 24	16 49	0 18	18 57	1 41	10 13	11 10	7 38	7 18	3 50	17 59	5 18	M20
T 21	23 29	18 46	4 25	21 40	0 36	18 18	1 49	8 45	1 31	16 58	0 56	5 22	2 25	16 49	0 18	18 57	1 41	10 13	11 10	7 42	7 19	3 52	17 59	5 18	T 21
W22	23 29	17 56	3 45	21 19	0 25	17 57	1 47	9 0	1 31	17 1	0 56	5 23	2 25	16 49	0 18	18 56	1 41	10 13	11 11	7 45	7 20	3 54	17 59	5 18	W22
T 23	23 28	16 6	2 51	20 57	0 13	17 35	1 44	9 16	1 30	17 5	0 56	5 25	2 25	16 48	0 18	18 56	1 41	10 13	11 11	7 48	7 22	3 56	17 59	5 19	T 23
F 24	23 27	13 20	1 47	20 35	0 1	17 13	1 41	9 32	1 30	17 8	0 56	5 26	2 25	16 48	0 18	18 56	1 41	10 14	11 11	7 49	7 23	3 58	17 59	5 19	F 24
S 25	23 26	9 48	0 36	20 13	0s11	16 51	1 38	9 47	1 30	17 11	0 56	5 27	2 26	16 47	0 18	18 56	1 41	10 14	11 11	7 50	7 24	4 0	18 0	5 19	S 25
S 26	23 24	5 42	0s38	19 51	0 24	16 28	1 34	10 2	1 29	17 14	0 56	5 28	2 26	16 47	0 18	18 55	1 41	10 14	11 11	7 50	7 25	4 2	18 0	5 19	S 26
M27	23 22	1 15	1 50	19 29	0 37	16 5	1 31	10 18	1 29	17 17	0 56	5 29	2 26	16 47	0 18	18 55	1 41	10 14	11 11	7 50	7 26	4 4	18 0	5 19	M27
T 28	23 19	3n18	2 56	19 7	0 51	15 42	1 27	10 33	1 29	17 20	0 56	5 30	2 26	16 46	0 18	18 55	1 41	10 14	11 11	7 50	7 28	4 6	18 0	5 19	T 28
W29	23 16	7 41	3 52	18 46	1 5	15 18	1 24	10 48	1 29	17 23	0 56	5 31	2 27	16 46	0 18	18 55	1 41	10 14	11 11	7 50	7 29	4 7	18 0	5 19	W29
T 30	23n12	11n39	4s34	18n26	1s19	14n54	1n20	11n 3	1s28	17n26	0s56	5n32	2s27	16s46	0n18	18s55	1n41	10n14	11s11	7n52	7n30	4s 9	18n 0	5s20	T 30

Julian Day Number = 2321670.5, Delta T = 47.23 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'38, Lahiri = 18°53'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

JULY 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 38 18	9♋29'15	28♉ 4	2♌36	24♌43	3♉23	22♉22	19♈59	17°R21	1°R45	5♊30	9°R48	10♍49	17♎59	23♊36	F 1
S 2	18 42 15	10°26'28	12♊17	2°57	25°43	4° 6	22°33	20° 2	17♏20	1♐44	5°31	9♍40	10°46	18° 5	23°42	S 2
S 3	18 46 11	11°23'41	26°22	3°14	26°44	4°48	22°45	20° 5	17°19	1°43	5°33	9°31	10°43	18°12	23°47	S 3
M 4	18 50 8	12°20'54	10♋12	3°26	27°44	5°30	22°57	20° 8	17°18	1°42	5°34	9°22	10°40	18°19	23°53	M 4
T 5	18 54 4	13°18'07	23°45	3°34	28°44	6°12	23° 8	20°11	17°17	1°40	5°35	9°13	10°37	18°25	23°58	T 5
W 6	18 58 1	14°15'21	6♌58	3°R36	29°43	6°54	23°20	20°14	17°16	1°39	5°36	9° 7	10°34	18°32	24° 4	W 6
T 7	19 1 57	15°12'35	19°50	3°34	0♍42	7°36	23°31	20°16	17°15	1°38	5°37	9° 3	10°30	18°39	24° 9	T 7
F 8	19 5 54	16° 9'48	2♍22	3°27	1°41	8°18	23°42	20°19	17°14	1°37	5°38	9° 1	10°27	18°45	24°14	F 8
S 9	19 9 50	17° 7'02	14°37	3°16	2°39	9° 0	23°53	20°21	17°13	1°36	5°39	9°D 1	10°24	18°52	24°20	S 9
S 10	19 13 47	18° 4'16	26°40	2°59	3°37	9°41	24° 4	20°24	17°12	1°35	5°40	9° 2	10°21	18°59	24°25	S 10
M11	19 17 44	19° 1'30	8♎34	2°39	4°34	10°23	24°15	20°26	17°12	1°34	5°41	9° 3	10°18	19° 5	24°31	M11
T 12	19 21 40	19°58'44	20°24	2°14	5°31	11° 4	24°26	20°28	17°11	1°33	5°42	9°R 4	10°15	19°12	24°36	T 12
W13	19 25 37	20°55'59	2♏16	1°45	6°28	11°45	24°37	20°30	17°10	1°32	5°43	9° 3	10°11	19°19	24°41	W13
T 14	19 29 33	21°53'13	14°15	1°12	7°24	12°26	24°47	20°32	17°10	1°31	5°44	9° 1	10° 8	19°25	24°47	T 14
F 15	19 33 30	22°50'28	26°25	0°36	8°19	13° 7	24°58	20°34	17° 9	1°31	5°45	8°56	10° 5	19°32	24°52	F 15
S 16	19 37 26	23°47'44	8♐49	29♋58	9°15	13°48	25° 8	20°36	17° 9	1°30	5°46	8°50	10° 2	19°39	24°57	S 16
S 17	19 41 23	24°44'59	21°32	29°17	10° 9	14°29	25°18	20°38	17° 8	1°29	5°47	8°43	9°59	19°45	25° 2	S 17
M18	19 45 19	25°42'15	4♑33	28°35	11° 3	15°10	25°29	20°39	17° 8	1°28	5°48	8°36	9°55	19°52	25° 7	M18
T 19	19 49 16	26°39'32	17°53	27°53	11°56	15°50	25°39	20°41	17° 7	1°27	5°49	8°29	9°52	19°59	25°12	T 19
W20	19 53 13	27°36'49	1♒30	27°10	12°49	16°31	25°49	20°42	17° 7	1°27	5°50	8°23	9°49	20° 5	25°18	W20
T 21	19 57 9	28°34'07	15°21	26°28	13°42	17°11	25°59	20°43	17° 7	1°26	5°51	8°20	9°46	20°12	25°23	T 21
F 22	20 1 6	29°31'26	29°24	25°48	14°33	17°51	26° 8	20°45	17° 6	1°25	5°52	8°18	9°43	20°19	25°28	F 22
S 23	20 5 2	0♌28'45	13♓34	25°10	15°24	18°31	26°18	20°46	17° 6	1°25	5°53	8°D18	9°40	20°25	25°33	S 23
S 24	20 8 59	1°26'06	27°48	24°35	16°15	19°11	26°28	20°47	17° 6	1°24	5°54	8°19	9°36	20°32	25°38	S 24
M25	20 12 55	2°23'27	12♈ 3	24° 4	17° 4	19°51	26°37	20°47	17° 6	1°23	5°55	8°20	9°33	20°39	25°43	M25
T 26	20 16 52	3°20'50	26°17	23°37	17°53	20°31	26°46	20°48	17°D 6	1°23	5°55	8°21	9°30	20°45	25°47	T 26
W27	20 20 48	4°18'14	10♉27	23°15	18°41	21°11	26°56	20°49	17° 6	1°22	5°56	8°R21	9°27	20°52	25°52	W27
T 28	20 24 45	5°15'39	24°33	22°59	19°29	21°50	27° 5	20°49	17° 6	1°22	5°57	8°20	9°24	20°59	25°57	T 28
F 29	20 28 42	6°13'06	8♊31	22°48	20°15	22°30	27°14	20°50	17° 6	1°21	5°58	8°17	9°21	21° 6	26° 2	F 29
S 30	20 32 38	7°10'34	22°20	22°D44	21° 1	23° 9	27°22	20°50	17° 7	1°21	5°59	8°13	9°17	21°12	26° 7	S 30
S 31	20 36 35	8♌ 8'02	5♋57	22♋45	21♍46	23♉48	27♉31	20♈51	17♏ 7	1♐20	5♊59	8♍ 8	9♍14	21♎19	26♊11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n 9	14n55	4s58	18n 6	1s33	14n30	1n16	11n17	1s28	17n29	0s56	5n33	2s27	16s45	0n18	18s54	1n41	10n14	11s11	7n54	7n31	4s11	18n 0	5s20
S 2	23 4	17 17	5 4	17 47	1 48	14 6	1 12	11 32	1 28	17 32	0 56	5 34	2 27	16 45	0 18	18 54	1 41	10 15	11 11	7 58	7 32	4 13	18 0	5 20
S 3	23 0	18 34	4 52	17 29	2 3	13 41	1 7	11 46	1 27	17 35	0 56	5 35	2 28	16 45	0 18	18 54	1 41	10 15	11 11	8 1	7 34	4 15	18 0	5 20
M 4	22 54	18 44	4 22	17 11	2 18	13 16	1 3	12 1	1 27	17 38	0 56	5 36	2 28	16 44	0 18	18 54	1 41	10 15	11 12	8 4	7 35	4 17	18 0	5 20
T 5	22 49	17 48	3 38	16 55	2 33	12 51	0 58	12 15	1 27	17 41	0 56	5 37	2 28	16 44	0 18	18 54	1 41	10 15	11 12	8 8	7 36	4 19	18 0	5 21
W 6	22 43	15 56	2 43	16 40	2 48	12 26	0 54	12 29	1 26	17 44	0 56	5 38	2 28	16 44	0 18	18 53	1 40	10 15	11 12	8 10	7 37	4 21	18 0	5 21
T 7	22 37	13 18	1 41	16 26	3 2	12 0	0 49	12 43	1 26	17 46	0 57	5 38	2 29	16 44	0 18	18 53	1 40	10 15	11 12	8 11	7 38	4 22	18 0	5 21
F 8	22 30	10 6	0 36	16 14	3 17	11 35	0 44	12 57	1 25	17 49	0 57	5 39	2 29	16 43	0 18	18 53	1 40	10 15	11 12	8 12	7 40	4 24	18 0	5 21
S 9	22 23	6 32	0n30	16 3	3 30	11 9	0 39	13 11	1 25	17 52	0 57	5 40	2 29	16 43	0 18	18 53	1 40	10 15	11 12	8 12	7 41	4 26	18 0	5 22
S 10	22 16	2 46	1 34	15 54	3 44	10 43	0 33	13 24	1 25	17 54	0 57	5 41	2 29	16 43	0 18	18 53	1 40	10 15	11 12	8 12	7 42	4 28	18 0	5 22
M11	22 8	1s 4	2 32	15 46	3 56	10 17	0 28	13 38	1 24	17 57	0 57	5 41	2 30	16 43	0 18	18 53	1 40	10 15	11 12	8 11	7 43	4 30	18 0	5 22
T 12	22 0	4 50	3 24	15 40	4 8	9 51	0 22	13 51	1 24	18 0	0 57	5 42	2 30	16 42	0 18	18 52	1 40	10 15	11 12	8 11	7 44	4 32	18 0	5 22
W13	21 51	8 24	4 8	15 36	4 19	9 25	0 17	14 4	1 23	18 2	0 57	5 42	2 30	16 42	0 18	18 52	1 40	10 15	11 13	8 11	7 46	4 34	18 0	5 23
T 14	21 42	11 40	4 41	15 33	4 29	8 59	0 11	14 17	1 23	18 5	0 57	5 43	2 31	16 42	0 18	18 52	1 40	10 15	11 13	8 12	7 47	4 36	18 0	5 23
F 15	21 33	14 30	5 1	15 33	4 37	8 32	0 5	14 30	1 22	18 7	0 57	5 43	2 31	16 42	0 18	18 52	1 40	10 15	11 13	8 14	7 48	4 37	18 0	5 23
S 16	21 23	16 44	5 9	15 34	4 44	8 6	0s 1	14 43	1 22	18 10	0 57	5 44	2 31	16 42	0 18	18 52	1 40	10 15	11 13	8 16	7 49	4 39	18 0	5 23
S 17	21 13	18 12	5 1	15 37	4 50	7 39	0 8	14 55	1 21	18 12	0 57	5 44	2 31	16 42	0 18	18 52	1 40	10 15	11 13	8 19	7 50	4 41	18 0	5 24
M18	21 3	18 46	4 38	15 41	4 53	7 13	0 14	15 8	1 21	18 14	0 57	5 44	2 32	16 42	0 18	18 52	1 40	10 15	11 13	8 22	7 52	4 43	18 0	5 24
T 19	20 52	18 20	3 59	15 48	4 56	6 46	0 21	15 20	1 20	18 17	0 57	5 45	2 32	16 42	0 18	18 52	1 40	10 15	11 13	8 24	7 53	4 45	18 0	5 24
W20	20 41	16 50	3 6	15 55	4 56	6 20	0 28	15 32	1 20	18 19	0 57	5 45	2 32	16 42	0 18	18 51	1 40	10 15	11 14	8 26	7 54	4 47	18 0	5 25
T 21	20 29	14 20	2 1	16 4	4 55	5 53	0 35	15 44	1 19	18 21	0 57	5 45	2 32	16 42	0 18	18 51	1 40	10 15	11 14	8 28	7 55	4 49	17 59	5 25
F 22	20 17	10 57	0 48	16 15	4 52	5 27	0 42	15 56	1 18	18 23	0 58	5 45	2 33	16 41	0 18	18 51	1 40	10 15	11 14	8 28	7 56	4 51	17 59	5 25
S 23	20 5	6 55	0s29	16 26	4 47	5 1	0 49	16 7	1 18	18 26	0 58	5 45	2 33	16 41	0 18	18 51	1 40	10 15	11 14	8 29	7 58	4 53	17 59	5 26
S 24	19 53	2 28	1 44	16 39	4 40	4 34	0 57	16 19	1 17	18 28	0 58	5 45	2 33	16 41	0 18	18 51	1 40	10 15	11 14	8 28	7 59	4 54	17 59	5 26
M25	19 40	2n 6	2 54	16 52	4 32	4 8	1 4	16 30	1 17	18 30	0 58	5 46	2 34	16 41	0 18	18 51	1 40	10 15	11 14	8 28	8 0	4 56	17 59	5 26
T 26	19 27	6 33	3 52	17 6	4 23	3 42	1 12	16 41	1 16	18 32	0 58	5 46	2 34	16 41	0 18	18 51	1 39	10 15	11 14	8 27	8 1	4 58	17 59	5 26
W27	19 13	10 37	4 36	17 20	4 12	3 16	1 20	16 52	1 15	18 34	0 58	5 46	2 34	16 41	0 18	18 51	1 39	10 15	11 15	8 27	8 2	5 0	17 58	5 27
T 28	18 59	14 2	5 3	17 35	4 0	2 50	1 28	17 3	1 15	18 36	0 58	5 46	2 34	16 42	0 18	18 51	1 39	10 15	11 15	8 28	8 4	5 2	17 58	5 27
F 29	18 45	16 37	5 12	17 49	3 47	2 24	1 36	17 14	1 14	18 38	0 58	5 45	2 35	16 42	0 18	18 51	1 39	10 15	11 15	8 29	8 5	5 4	17 58	5 28
S 30	18 31	18 13	5 3	18 4	3 33	1 58	1 44	17 24	1 13	18 40	0 58	5 45	2 35	16 42	0 18	18 51	1 39	10 15	11 15	8 30	8 6	5 6	17 58	5 28
S 31	18n16	18n45	4s37	18n18	3s18	1n32	1s53	17n35	1s13	18n42	0s58	5n45	2s35	16s42	0n17	18s51	1n39	10n15	11s15	8n32	8n 7	5s 8	17n58	5s28

Julian Day Number = 2321700.5, Delta T = 47.17 sec
Ecliptic obliquity = 23°28'58, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'42, Lahiri = 18°53'42Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1644
geocentric

AUGUST 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 40 31	9♌ 5'33	19♋22	22♋54	22♍30	24♉27	27♉40	20♈51	17♏ 7	1°R20	6♊ 0	8°R 4	9♍11	21♎26	26♊16	M 1
T 2	20 44 28	10° 3'04	2♌32	23° 9	23°14	25° 6	27°48	20°R51	17° 7	1♐20	6° 1	8♍ 0	9° 8	21°32	26°21	T 2
W 3	20 48 24	11° 0'36	15°26	23°31	23°56	25°44	27°56	20°51	17° 8	1°19	6° 1	7°57	9° 5	21°39	26°25	W 3
T 4	20 52 21	11°58'09	28° 4	23°59	24°37	26°23	28° 5	20°51	17° 8	1°19	6° 2	7°55	9° 1	21°46	26°30	T 4
F 5	20 56 17	12°55'44	10♍28	24°35	25°17	27° 1	28°13	20°50	17° 9	1°19	6° 3	7°D55	8°58	21°52	26°34	F 5
S 6	21 0 14	13°53'19	22°38	25°17	25°56	27°39	28°20	20°50	17° 9	1°19	6° 3	7°56	8°55	21°59	26°39	S 6
S 7	21 4 11	14°50'55	4♎38	26° 6	26°34	28°18	28°28	20°49	17°10	1°18	6° 4	7°57	8°52	22° 6	26°43	S 7
M 8	21 8 7	15°48'33	16°31	27° 1	27°11	28°55	28°36	20°49	17°11	1°18	6° 4	7°59	8°49	22°12	26°47	M 8
T 9	21 12 4	16°46'11	28°21	28° 3	27°47	29°33	28°43	20°48	17°11	1°18	6° 5	8° 0	8°46	22°19	26°52	T 9
W10	21 16 0	17°43'51	10♏13	29°11	28°21	0♊11	28°51	20°47	17°12	1°18	6° 6	8° 1	8°42	22°26	26°56	W10
T 11	21 19 57	18°41'31	22°11	0♌25	28°54	0°48	28°58	20°46	17°13	1°18	6° 6	8°R 1	8°39	22°32	27° 0	T 11
F 12	21 23 53	19°39'13	4♐21	1°44	29°26	1°25	29° 5	20°45	17°14	1°18	6° 7	8° 1	8°36	22°39	27° 4	F 12
S 13	21 27 50	20°36'55	16°47	3° 9	29°57	2° 3	29°12	20°44	17°15	1°D18	6° 7	7°59	8°33	22°46	27° 8	S 13
S 14	21 31 46	21°34'39	29°31	4°39	0♎25	2°39	29°18	20°43	17°16	1°18	6° 8	7°57	8°30	22°52	27°12	S 14
M15	21 35 43	22°32'24	12♑38	6°13	0°53	3°16	29°25	20°42	17°17	1°18	6° 8	7°55	8°26	22°59	27°16	M15
T 16	21 39 40	23°30'10	26° 8	7°52	1°18	3°53	29°31	20°40	17°18	1°18	6° 8	7°53	8°23	23° 6	27°20	T 16
W17	21 43 36	24°27'58	10♒ 0	9°34	1°42	4°29	29°38	20°39	17°19	1°18	6° 9	7°52	8°20	23°12	27°24	W17
T 18	21 47 33	25°25'47	24°12	11°20	2° 5	5° 5	29°44	20°37	17°20	1°18	6° 9	7°51	8°17	23°19	27°28	T 18
F 19	21 51 29	26°23'37	8♓39	13° 9	2°25	5°42	29°50	20°36	17°21	1°18	6°10	7°D50	8°14	23°26	27°32	F 19
S 20	21 55 26	27°21'29	23°15	15° 0	2°44	6°17	29°55	20°34	17°23	1°19	6°10	7°51	8°11	23°33	27°35	S 20
S 21	21 59 22	28°19'22	7♈55	16°53	3° 1	6°53	0♊ 1	20°32	17°24	1°19	6°10	7°51	8° 7	23°39	27°39	S 21
M22	22 3 19	29°17'18	22°33	18°48	3°16	7°29	0° 6	20°30	17°25	1°19	6°11	7°52	8° 4	23°46	27°43	M22
T 23	22 7 15	0♍15'15	7♉ 2	20°44	3°29	8° 4	0°12	20°28	17°27	1°20	6°11	7°53	8° 1	23°53	27°46	T 23
W24	22 11 12	1°13'14	21°20	22°41	3°40	8°39	0°17	20°26	17°28	1°20	6°11	7°53	7°58	23°59	27°50	W24
T 25	22 15 9	2°11'15	5♊23	24°39	3°49	9°14	0°22	20°23	17°30	1°20	6°11	7°R53	7°55	24° 6	27°53	T 25
F 26	22 19 5	3° 9'18	19°11	26°37	3°56	9°49	0°26	20°21	17°31	1°21	6°12	7°53	7°52	24°13	27°56	F 26
S 27	22 23 2	4° 7'23	2♋43	28°34	4° 0	10°23	0°31	20°19	17°33	1°21	6°12	7°53	7°48	24°19	28° 0	S 27
S 28	22 26 58	5° 5'30	15°59	0♍32	4° 3	10°57	0°35	20°16	17°35	1°22	6°12	7°52	7°45	24°26	28° 3	S 28
M29	22 30 55	6° 3'39	29° 0	2°29	4°R 3	11°32	0°40	20°13	17°36	1°22	6°12	7°52	7°42	24°33	28° 6	M29
T 30	22 34 51	7° 1'49	11♌47	4°26	4° 0	12° 5	0°44	20°11	17°38	1°23	6°12	7°52	7°39	24°39	28° 9	T 30
W31	22 38 48	8♍ 0'02	24♌22	6♍22	3♎56	12♊39	0♊48	20♈ 8	17♏40	1♐23	6♊12	7°D52	7♍36	24♎46	28♊12	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18n 1	18n12	3s55	18n32	3s 3	1n 7	2s 2	17n45	1s12	18n44	0s58	5n45	2s36	16s42	0n17	18s51	1n39	10n15	11s15	8n34	8n 8	5s 9	17n57	5s29
T 2	17 46	16 40	3 2	18 45	2 47	0 42	2 10	17 55	1 11	18 45	0 58	5 45	2 36	16 42	0 17	18 51	1 39	10 15	11 16	8 35	8 10	5 11	17 57	5 29
W 3	17 30	14 19	2 0	18 58	2 30	0 17	2 19	18 5	1 11	18 47	0 58	5 44	2 36	16 42	0 17	18 51	1 39	10 15	11 16	8 36	8 11	5 13	17 57	5 29
T 4	17 14	11 19	0 54	19 9	2 14	0s 8	2 29	18 15	1 10	18 49	0 59	5 44	2 36	16 42	0 17	18 51	1 39	10 15	11 16	8 37	8 12	5 15	17 57	5 30
F 5	16 58	7 52	0n14	19 19	1 57	0 32	2 38	18 24	1 9	18 51	0 59	5 44	2 37	16 42	0 17	18 51	1 39	10 15	11 16	8 37	8 13	5 17	17 56	5 30
S 6	16 41	4 9	1 20	19 28	1 41	0 56	2 47	18 34	1 8	18 52	0 59	5 43	2 37	16 43	0 17	18 51	1 39	10 15	11 16	8 37	8 14	5 19	17 56	5 31
S 7	16 25	0 20	2 22	19 35	1 24	1 20	2 57	18 43	1 8	18 54	0 59	5 43	2 37	16 43	0 17	18 51	1 39	10 15	11 17	8 36	8 16	5 21	17 56	5 31
M 8	16 8	3s28	3 17	19 41	1 8	1 44	3 6	18 52	1 7	18 56	0 59	5 42	2 37	16 43	0 17	18 51	1 39	10 15	11 17	8 36	8 17	5 23	17 55	5 31
T 9	15 50	7 7	4 3	19 44	0 52	2 7	3 16	19 1	1 6	18 57	0 59	5 42	2 38	16 43	0 17	18 51	1 39	10 14	11 17	8 35	8 18	5 24	17 55	5 32
W10	15 33	10 29	4 40	19 45	0 37	2 30	3 26	19 10	1 5	18 59	0 59	5 41	2 38	16 44	0 17	18 51	1 39	10 14	11 17	8 35	8 19	5 26	17 55	5 32
T 11	15 15	13 27	5 4	19 44	0 22	2 52	3 36	19 18	1 4	19 0	0 59	5 41	2 38	16 44	0 17	18 51	1 39	10 14	11 17	8 35	8 20	5 28	17 54	5 33
F 12	14 57	15 53	5 15	19 41	0 8	3 14	3 47	19 27	1 4	19 1	0 59	5 40	2 39	16 44	0 17	18 51	1 39	10 14	11 18	8 35	8 22	5 30	17 54	5 33
S 13	14 39	17 39	5 12	19 35	0n 6	3 36	3 57	19 35	1 3	19 3	0 59	5 40	2 39	16 44	0 17	18 51	1 38	10 14	11 18	8 35	8 23	5 32	17 54	5 33
S 14	14 20	18 35	4 54	19 26	0 19	3 57	4 7	19 43	1 2	19 4	1 0	5 39	2 39	16 45	0 17	18 51	1 38	10 14	11 18	8 36	8 24	5 34	17 53	5 34
M15	14 2	18 34	4 20	19 15	0 31	4 17	4 18	19 51	1 1	19 5	1 0	5 38	2 39	16 45	0 17	18 51	1 38	10 14	11 18	8 37	8 25	5 36	17 53	5 34
T 16	13 43	17 30	3 31	19 1	0 42	4 37	4 29	19 59	1 0	19 7	1 0	5 37	2 40	16 45	0 17	18 51	1 38	10 14	11 18	8 38	8 26	5 38	17 53	5 35
W17	13 23	15 24	2 28	18 44	0 53	4 57	4 39	20 6	0 59	19 8	1 0	5 37	2 40	16 46	0 17	18 51	1 38	10 14	11 18	8 38	8 28	5 39	17 52	5 35
T 18	13 4	12 18	1 15	18 24	1 2	5 16	4 50	20 14	0 58	19 9	1 0	5 36	2 40	16 46	0 17	18 51	1 38	10 13	11 19	8 39	8 29	5 41	17 52	5 36
F 19	12 44	8 25	0s 4	18 2	1 11	5 34	5 1	20 21	0 57	19 10	1 0	5 35	2 40	16 46	0 17	18 52	1 38	10 13	11 19	8 39	8 30	5 43	17 51	5 36
S 20	12 25	3 58	1 24	17 37	1 18	5 51	5 12	20 28	0 57	19 11	1 0	5 34	2 41	16 47	0 17	18 52	1 38	10 13	11 19	8 39	8 31	5 45	17 51	5 37
S 21	12 5	0n43	2 39	17 9	1 25	6 8	5 23	20 35	0 56	19 13	1 0	5 33	2 41	16 47	0 17	18 52	1 38	10 13	11 19	8 38	8 32	5 47	17 51	5 37
M22	11 45	5 20	3 43	16 39	1 31	6 24	5 34	20 42	0 55	19 14	1 0	5 32	2 41	16 48	0 17	18 52	1 38	10 13	11 19	8 38	8 34	5 49	17 50	5 38
T 23	11 24	9 35	4 33	16 7	1 36	6 39	5 45	20 49	0 54	19 15	1 0	5 31	2 41	16 48	0 17	18 52	1 38	10 13	11 20	8 38	8 35	5 51	17 50	5 38
W24	11 4	13 14	5 4	15 33	1 39	6 54	5 56	20 55	0 53	19 16	1 1	5 30	2 42	16 48	0 17	18 52	1 38	10 13	11 20	8 38	8 36	5 52	17 49	5 39
T 25	10 43	16 2	5 17	14 56	1 43	7 7	6 7	21 1	0 52	19 16	1 1	5 29	2 42	16 49	0 17	18 52	1 38	10 12	11 20	8 38	8 37	5 54	17 49	5 39
F 26	10 22	17 52	5 11	14 18	1 45	7 20	6 17	21 8	0 51	19 17	1 1	5 28	2 42	16 49	0 17	18 52	1 38	10 12	11 20	8 38	8 38	5 56	17 48	5 40
S 27	10 1	18 39	4 48	13 39	1 46	7 32	6 28	21 14	0 50	19 18	1 1	5 27	2 42	16 50	0 17	18 53	1 38	10 12	11 21	8 38	8 39	5 58	17 48	5 40
S 28	9 40	18 23	4 10	12 58	1 47	7 42	6 39	21 20	0 49	19 19	1 1	5 26	2 42	16 50	0 17	18 53	1 38	10 12	11 21	8 38	8 41	6 0	17 48	5 41
M29	9 18	17 8	3 19	12 16	1 47	7 52	6 49	21 25	0 47	19 20	1 1	5 24	2 43	16 51	0 17	18 53	1 38	10 12	11 21	8 38	8 42	6 2	17 47	5 41
T 30	8 57	15 3	2 20	11 33	1 46	8 0	6 59	21 31	0 46	19 21	1 1	5 23	2 43	16 51	0 17	18 53	1 37	10 11	11 21	8 38	8 43	6 4	17 47	5 42
W31	8n35	12n15	1s14	10n49	1n45	8s 7	7s 9	21n36	0s45	19n21	1s 1	5n22	2s43	16s52	0n17	18s53	1n37	10n11	11s21	8n38	8n44	6s 6	17n46	5s42

Julian Day Number = 2321731.5, Delta T = 47.11 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'46, Lahiri = 18°53'47Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

SEPTEMBER 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 42 44	8♍58'16	6♍44	8♍17	3°R49	13♊12	0♊51	20°R 5	17♏42	1♐24	6♊13	7°R52	7♍32	24♎53	28♊15	T 1
F 2	22 46 41	9°56'32	18°55	10°11	3♎39	13°45	0°55	20♈ 2	17°44	1°25	6°13	7♍52	7°29	24°59	28°18	F 2
S 3	22 50 38	10°54'50	0♎58	12° 4	3°28	14°18	0°58	19°59	17°46	1°25	6°13	7°52	7°26	25° 6	28°21	S 3
S 4	22 54 34	11°53'09	12°53	13°57	3°13	14°51	1° 1	19°56	17°48	1°26	6°13	7°51	7°23	25°13	28°23	S 4
M 5	22 58 31	12°51'30	24°44	15°48	2°57	15°23	1° 4	19°53	17°50	1°27	6°R13	7°51	7°20	25°20	28°26	M 5
T 6	23 2 27	13°49'53	6♏34	17°38	2°38	15°56	1° 7	19°49	17°52	1°27	6°13	7°50	7°17	25°26	28°29	T 6
W 7	23 6 24	14°48'18	18°25	19°27	2°17	16°28	1° 9	19°46	17°54	1°28	6°13	7°49	7°13	25°33	28°31	W 7
T 8	23 10 20	15°46'44	0♐22	21°15	1°54	16°59	1°12	19°42	17°56	1°29	6°13	7°49	7°10	25°40	28°33	T 8
F 9	23 14 17	16°45'12	12°30	23° 2	1°29	17°31	1°14	19°39	17°58	1°30	6°13	7°D48	7° 7	25°46	28°36	F 9
S 10	23 18 13	17°43'41	24°52	24°48	1° 1	18° 2	1°16	19°35	18° 0	1°31	6°12	7°48	7° 4	25°53	28°38	S 10
S 11	23 22 10	18°42'13	7♑33	26°33	0°32	18°32	1°18	19°32	18° 3	1°32	6°12	7°49	7° 1	26° 0	28°40	S 11
M12	23 26 6	19°40'45	20°37	28°16	0° 1	19° 3	1°19	19°28	18° 5	1°33	6°12	7°50	6°58	26° 6	28°42	M12
T 13	23 30 3	20°39'20	4♒ 6	29°59	29♍29	19°33	1°21	19°24	18° 7	1°34	6°12	7°51	6°54	26°13	28°45	T 13
W14	23 34 0	21°37'56	18° 2	1♎41	28°55	20° 3	1°22	19°20	18°10	1°35	6°12	7°52	6°51	26°20	28°47	W14
T 15	23 37 56	22°36'34	2♓22	3°21	28°21	20°33	1°23	19°16	18°12	1°36	6°12	7°R52	6°48	26°26	28°48	T 15
F 16	23 41 53	23°35'14	17° 5	5° 1	27°45	21° 2	1°24	19°12	18°15	1°37	6°11	7°52	6°45	26°33	28°50	F 16
S 17	23 45 49	24°33'55	2♈ 2	6°39	27° 9	21°31	1°24	19° 8	18°17	1°38	6°11	7°51	6°42	26°40	28°52	S 17
S 18	23 49 46	25°32'39	17° 6	8°17	26°32	22° 0	1°25	19° 4	18°20	1°39	6°11	7°50	6°38	26°46	28°54	S 18
M19	23 53 42	26°31'25	2♉ 8	9°54	25°55	22°29	1°R25	19° 0	18°22	1°40	6°11	7°47	6°35	26°53	28°55	M19
T 20	23 57 39	27°30'13	16°59	11°29	25°18	22°57	1°25	18°56	18°25	1°42	6°10	7°45	6°32	27° 0	28°57	T 20
W21	0 1 35	28°29'03	1♊33	13° 4	24°41	23°25	1°25	18°51	18°28	1°43	6°10	7°43	6°29	27° 7	28°58	W21
T 22	0 5 32	29°27'56	15°45	14°38	24° 5	23°52	1°24	18°47	18°30	1°44	6°10	7°41	6°26	27°13	29° 0	T 22
F 23	0 9 29	0♎26'51	29°33	16°11	23°30	24°19	1°24	18°43	18°33	1°45	6° 9	7°D40	6°23	27°20	29° 1	F 23
S 24	0 13 25	1°25'49	12♋59	17°43	22°55	24°46	1°23	18°38	18°36	1°47	6° 9	7°41	6°19	27°27	29° 2	S 24
S 25	0 17 22	2°24'48	26° 3	19°15	22°22	25°12	1°22	18°34	18°39	1°48	6° 9	7°42	6°16	27°33	29° 3	S 25
M26	0 21 18	3°23'50	8♌48	20°45	21°51	25°38	1°21	18°29	18°42	1°49	6° 8	7°44	6°13	27°40	29° 4	M26
T 27	0 25 15	4°22'55	21°18	22°15	21°20	26° 4	1°19	18°25	18°45	1°51	6° 8	7°45	6°10	27°47	29° 5	T 27
W28	0 29 11	5°22'01	3♍35	23°43	20°52	26°29	1°17	18°20	18°47	1°52	6° 7	7°R46	6° 7	27°53	29° 6	W28
T 29	0 33 8	6°21'10	15°43	25°11	20°26	26°54	1°16	18°16	18°50	1°54	6° 7	7°46	6° 3	28° 0	29° 7	T 29
F 30	0 37 4	7♎20'21	27♍44	26♎38	20♍ 1	27♊19	1♊14	18♈11	18♏53	1♐55	6♊ 6	7♍44	6♍ 0	28♎ 7	29♊ 8	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n13	8n58	0s 6	10n 4	1n43	8s13	7s19	21n42	0s44	19n22	1s 1	5n21	2s43	16s52	0n17	18s53	1n37	10n11	11s22	8n38	8n45	6s 7	17n46	5s43
F 2	7 51	5 20	1n 1	9 19	1 41	8 18	7 28	21 47	0 43	19 22	1 2	5 19	2 44	16 53	0 17	18 54	1 37	10 11	11 22	8 38	8 47	6 9	17 45	5 43
S 3	7 29	1 31	2 5	8 33	1 38	8 22	7 37	21 52	0 42	19 23	1 2	5 18	2 44	16 53	0 17	18 54	1 37	10 11	11 22	8 38	8 48	6 11	17 45	5 44
S 4	7 7	2s18	3 2	7 47	1 34	8 24	7 46	21 57	0 41	19 24	1 2	5 17	2 44	16 54	0 17	18 54	1 37	10 11	11 22	8 38	8 49	6 13	17 44	5 44
M 5	6 45	6 0	3 52	7 0	1 30	8 25	7 54	22 2	0 40	19 24	1 2	5 15	2 44	16 55	0 17	18 54	1 37	10 10	11 22	8 39	8 50	6 15	17 44	5 45
T 6	6 22	9 27	4 31	6 13	1 26	8 25	8 2	22 6	0 38	19 25	1 2	5 14	2 44	16 55	0 17	18 54	1 37	10 10	11 23	8 39	8 51	6 17	17 43	5 45
W 7	6 0	12 33	4 59	5 26	1 22	8 23	8 9	22 11	0 37	19 25	1 2	5 12	2 45	16 56	0 17	18 55	1 37	10 10	11 23	8 39	8 52	6 19	17 43	5 46
T 8	5 37	15 8	5 14	4 39	1 17	8 19	8 15	22 15	0 36	19 25	1 2	5 11	2 45	16 56	0 17	18 55	1 37	10 10	11 23	8 39	8 54	6 20	17 42	5 46
F 9	5 14	17 7	5 16	3 52	1 12	8 15	8 21	22 19	0 35	19 26	1 2	5 9	2 45	16 57	0 17	18 55	1 37	10 10	11 23	8 39	8 55	6 22	17 42	5 47
S 10	4 52	18 20	5 3	3 5	1 6	8 8	8 26	22 23	0 33	19 26	1 2	5 8	2 45	16 58	0 17	18 55	1 37	10 9	11 23	8 39	8 56	6 24	17 41	5 48
S 11	4 29	18 41	4 35	2 18	1 0	8 1	8 31	22 27	0 32	19 26	1 3	5 6	2 45	16 58	0 16	18 56	1 37	10 9	11 24	8 39	8 57	6 26	17 41	5 48
M12	4 6	18 4	3 53	1 31	0 54	7 52	8 34	22 31	0 31	19 26	1 3	5 5	2 45	16 59	0 16	18 56	1 37	10 9	11 24	8 39	8 58	6 28	17 40	5 49
T 13	3 43	16 25	2 56	0 45	0 48	7 42	8 37	22 35	0 29	19 27	1 3	5 3	2 46	17 0	0 16	18 56	1 37	10 9	11 24	8 39	9 0	6 30	17 39	5 49
W14	3 19	13 45	1 48	0s 2	0 42	7 30	8 39	22 39	0 28	19 27	1 3	5 2	2 46	17 0	0 16	18 56	1 37	10 8	11 24	8 38	9 1	6 32	17 39	5 50
T 15	2 56	10 11	0 30	0 48	0 35	7 17	8 40	22 42	0 27	19 27	1 3	5 0	2 46	17 1	0 16	18 57	1 37	10 8	11 24	8 38	9 2	6 34	17 38	5 50
F 16	2 33	5 53	0s51	1 34	0 29	7 3	8 40	22 45	0 25	19 27	1 3	4 58	2 46	17 2	0 16	18 57	1 36	10 8	11 25	8 38	9 3	6 35	17 38	5 51
S 17	2 10	1 10	2 10	2 19	0 22	6 48	8 39	22 49	0 24	19 27	1 3	4 57	2 46	17 3	0 16	18 57	1 36	10 8	11 25	8 38	9 4	6 37	17 37	5 51
S 18	1 46	3n39	3 20	3 4	0 15	6 31	8 37	22 52	0 23	19 27	1 3	4 55	2 46	17 3	0 16	18 57	1 36	10 7	11 25	8 39	9 5	6 39	17 37	5 52
M19	1 23	8 13	4 17	3 48	0 8	6 14	8 34	22 55	0 21	19 27	1 3	4 53	2 46	17 4	0 16	18 58	1 36	10 7	11 25	8 40	9 7	6 41	17 36	5 53
T 20	1 0	12 13	4 55	4 33	0 1	5 56	8 31	22 58	0 20	19 27	1 3	4 52	2 47	17 5	0 16	18 58	1 36	10 7	11 25	8 41	9 8	6 43	17 36	5 53
W21	0 36	15 23	5 13	5 16	0s 7	5 38	8 26	23 1	0 18	19 27	1 4	4 50	2 47	17 6	0 16	18 58	1 36	10 7	11 26	8 42	9 9	6 45	17 35	5 54
T 22	0 13	17 33	5 12	5 59	0 14	5 18	8 21	23 4	0 17	19 26	1 4	4 48	2 47	17 6	0 16	18 59	1 36	10 7	11 26	8 42	9 10	6 47	17 34	5 54
F 23	0s11	18 36	4 53	6 42	0 21	4 58	8 14	23 6	0 15	19 26	1 4	4 46	2 47	17 7	0 16	18 59	1 36	10 6	11 26	8 42	9 11	6 48	17 34	5 55
S 24	0 34	18 35	4 18	7 24	0 28	4 38	8 7	23 9	0 14	19 26	1 4	4 45	2 47	17 8	0 16	18 59	1 36	10 6	11 26	8 42	9 12	6 50	17 33	5 56
S 25	0 58	17 33	3 30	8 6	0 36	4 18	7 59	23 12	0 12	19 26	1 4	4 43	2 47	17 9	0 16	18 59	1 36	10 6	11 26	8 42	9 14	6 52	17 33	5 56
M26	1 21	15 38	2 33	8 47	0 43	3 57	7 50	23 14	0 11	19 25	1 4	4 41	2 47	17 10	0 16	19 0	1 36	10 6	11 26	8 41	9 15	6 54	17 32	5 57
T 27	1 45	13 1	1 29	9 27	0 50	3 37	7 41	23 17	0 9	19 25	1 4	4 39	2 47	17 10	0 16	19 0	1 36	10 5	11 27	8 41	9 16	6 56	17 31	5 57
W28	2 8	9 51	0 23	10 7	0 57	3 17	7 31	23 19	0 7	19 25	1 4	4 37	2 47	17 11	0 16	19 0	1 36	10 5	11 27	8 40	9 17	6 58	17 31	5 58
T 29	2 32	6 19	0n44	10 46	1 5	2 57	7 20	23 21	0 6	19 24	1 4	4 36	2 47	17 12	0 16	19 1	1 36	10 5	11 27	8 40	9 18	7 0	17 30	5 59
F 30	2s55	2n33	1n47	11s24	1s12	2s37	7s 9	23n23	0s 4	19n24	1s 4	4n34	2s47	17s13	0n16	19s 1	1n36	10n 5	11s27	8n41	9n20	7s 1	17n30	5s59

Julian Day Number = 2321762.5, Delta T = 47.05 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'50, Lahiri = 18°53'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

OCTOBER 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 41 1	8♎19'33	9♎39	28♎ 4	19°R39	27♊43	1°R11	18°R 7	18♏56	1♐56	6°R 6	7°R41	5♍57	28♎13	29♊ 8	S 1
S 2	0 44 57	9°18'48	21°30	29°29	19♍19	28° 6	1♊ 9	18♈ 2	18°59	1°58	6♊ 5	7♍36	5°54	28°20	29° 9	S 2
M 3	0 48 54	10°18'05	3♏20	0♏53	19° 1	28°30	1° 6	17°57	19° 3	2° 0	6° 5	7°31	5°51	28°27	29° 9	M 3
T 4	0 52 51	11°17'24	15°11	2°16	18°46	28°52	1° 4	17°52	19° 6	2° 1	6° 4	7°24	5°48	28°34	29°10	T 4
W 5	0 56 47	12°16'45	27° 4	3°38	18°33	29°15	1° 0	17°48	19° 9	2° 3	6° 3	7°18	5°44	28°40	29°10	W 5
T 6	1 0 44	13°16'08	9♐ 2	4°59	18°22	29°36	0°57	17°43	19°12	2° 4	6° 3	7°13	5°41	28°47	29°10	T 6
F 7	1 4 40	14°15'33	21° 9	6°19	18°14	29°58	0°54	17°38	19°15	2° 6	6° 2	7° 9	5°38	28°54	29°10	F 7
S 8	1 8 37	15°14'59	3♑28	7°38	18° 9	0♋19	0°50	17°33	19°18	2° 8	6° 1	7° 6	5°35	29° 0	29°R10	S 8
S 9	1 12 33	16°14'28	16° 4	8°56	18° 5	0°39	0°47	17°29	19°22	2° 9	6° 1	7°D 5	5°32	29° 7	29°10	S 9
M10	1 16 30	17°13'58	29° 0	10°12	18°D 5	0°59	0°43	17°24	19°25	2°11	6° 0	7° 6	5°29	29°14	29°10	M10
T 11	1 20 26	18°13'30	12♒21	11°27	18° 6	1°18	0°38	17°19	19°28	2°13	5°59	7° 7	5°25	29°20	29°10	T 11
W12	1 24 23	19°13'03	26° 8	12°40	18°10	1°37	0°34	17°14	19°32	2°14	5°59	7° 9	5°22	29°27	29° 9	W12
T 13	1 28 20	20°12'38	10♓24	13°52	18°16	1°56	0°30	17°10	19°35	2°16	5°58	7°R 9	5°19	29°34	29° 9	T 13
F 14	1 32 16	21°12'15	25° 6	15° 1	18°24	2°14	0°25	17° 5	19°38	2°18	5°57	7° 8	5°16	29°40	29° 9	F 14
S 15	1 36 13	22°11'54	10♈ 9	16° 9	18°35	2°31	0°20	17° 0	19°42	2°20	5°56	7° 4	5°13	29°47	29° 8	S 15
S 16	1 40 9	23°11'35	25°25	17°15	18°48	2°48	0°15	16°55	19°45	2°22	5°56	6°59	5° 9	29°54	29° 7	S 16
M17	1 44 6	24°11'18	10♉44	18°19	19° 3	3° 4	0°10	16°51	19°48	2°24	5°55	6°52	5° 6	0♏ 1	29° 7	M17
T 18	1 48 2	25°11'03	25°53	19°20	19°20	3°19	0° 4	16°46	19°52	2°25	5°54	6°45	5° 3	0° 7	29° 6	T 18
W19	1 51 59	26°10'51	10♊45	20°18	19°39	3°34	29♉59	16°41	19°55	2°27	5°53	6°38	5° 0	0°14	29° 5	W19
T 20	1 55 55	27°10'40	25°11	21°13	20° 0	3°49	29°53	16°37	19°59	2°29	5°52	6°32	4°57	0°21	29° 4	T 20
F 21	1 59 52	28°10'32	9♋ 9	22° 4	20°23	4° 3	29°47	16°32	20° 2	2°31	5°51	6°28	4°54	0°27	29° 3	F 21
S 22	2 3 49	29°10'26	22°38	22°52	20°47	4°16	29°41	16°27	20° 6	2°33	5°51	6°26	4°50	0°34	29° 2	S 22
S 23	2 7 45	0♏10'22	5♌40	23°35	21°14	4°28	29°35	16°23	20° 9	2°35	5°50	6°D26	4°47	0°41	29° 1	S 23
M24	2 11 42	1°10'21	18°20	24°14	21°42	4°40	29°29	16°18	20°13	2°37	5°49	6°27	4°44	0°47	28°59	M24
T 25	2 15 38	2°10'21	0♍41	24°47	22°11	4°51	29°23	16°14	20°17	2°39	5°48	6°R28	4°41	0°54	28°58	T 25
W26	2 19 35	3°10'24	12°49	25°14	22°43	5° 2	29°16	16° 9	20°20	2°41	5°47	6°28	4°38	1° 1	28°56	W26
T 27	2 23 31	4°10'29	24°47	25°35	23°15	5°11	29° 9	16° 5	20°24	2°43	5°46	6°26	4°34	1° 8	28°55	T 27
F 28	2 27 28	5°10'35	6♎40	25°49	23°49	5°20	29° 2	16° 1	20°27	2°45	5°45	6°21	4°31	1°14	28°53	F 28
S 29	2 31 24	6°10'44	18°30	25°R55	24°25	5°29	28°56	15°56	20°31	2°47	5°44	6°14	4°28	1°21	28°51	S 29
S 30	2 35 21	7°10'55	0♏20	25°53	25° 2	5°36	28°48	15°52	20°35	2°49	5°43	6° 5	4°25	1°28	28°50	S 30
M31	2 39 18	8♏11'08	12♏12	25♏42	25♍40	5♋43	28♉41	15♈48	20♏38	2♐51	5♊42	5♍53	4♍22	1♏34	28♊48	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s18	1s17	2n46	12s 2	1s19	2s17	6s57	23n26	0s 2	19n23	1s 4	4n32	2s48	17s14	0n16	19s 1	1n36	10n 4	11s27	8n42	9n21	7s 3	17n29	6s 0
S 2	3 42	5 3	3 37	12 39	1 26	1 59	6 45	23 28	0 1	19 22	1 5	4 30	2 48	17 15	0 16	19 2	1 36	10 4	11 28	8 44	9 22	7 5	17 29	6 0
M 3	4 5	8 36	4 18	13 15	1 33	1 40	6 33	23 30	0n 1	19 22	1 5	4 28	2 48	17 15	0 16	19 2	1 36	10 4	11 28	8 46	9 23	7 7	17 28	6 1
T 4	4 28	11 49	4 48	13 50	1 40	1 23	6 20	23 32	0 3	19 21	1 5	4 26	2 48	17 16	0 16	19 3	1 36	10 4	11 28	8 48	9 24	7 9	17 27	6 1
W 5	4 52	14 34	5 6	14 25	1 46	1 6	6 7	23 34	0 5	19 21	1 5	4 25	2 48	17 17	0 16	19 3	1 36	10 3	11 28	8 51	9 25	7 11	17 27	6 2
T 6	5 15	16 43	5 11	14 59	1 53	0 50	5 54	23 36	0 7	19 20	1 5	4 23	2 48	17 18	0 16	19 3	1 35	10 3	11 28	8 53	9 27	7 13	17 26	6 3
F 7	5 38	18 10	5 2	15 32	1 59	0 34	5 41	23 37	0 8	19 19	1 5	4 21	2 48	17 19	0 16	19 4	1 35	10 3	11 28	8 54	9 28	7 14	17 26	6 3
S 8	6 1	18 48	4 39	16 3	2 5	0 20	5 28	23 39	0 10	19 18	1 5	4 19	2 48	17 20	0 16	19 4	1 35	10 2	11 29	8 55	9 29	7 16	17 25	6 4
S 9	6 24	18 30	4 2	16 34	2 11	0 6	5 14	23 41	0 12	19 17	1 5	4 17	2 48	17 21	0 16	19 4	1 35	10 2	11 29	8 55	9 30	7 18	17 24	6 4
M10	6 47	17 16	3 12	17 4	2 17	0n 6	5 1	23 43	0 14	19 17	1 5	4 16	2 48	17 22	0 16	19 5	1 35	10 2	11 29	8 55	9 31	7 20	17 24	6 5
T 11	7 10	15 2	2 11	17 33	2 23	0 18	4 48	23 45	0 16	19 16	1 5	4 14	2 48	17 22	0 16	19 5	1 35	10 2	11 29	8 55	9 32	7 22	17 23	6 6
W12	7 32	11 54	0 59	18 1	2 28	0 29	4 34	23 46	0 18	19 15	1 5	4 12	2 48	17 23	0 16	19 6	1 35	10 1	11 29	8 54	9 34	7 24	17 23	6 6
T 13	7 55	7 57	0s18	18 28	2 33	0 39	4 21	23 48	0 20	19 14	1 5	4 10	2 48	17 24	0 16	19 6	1 35	10 1	11 29	8 54	9 35	7 26	17 22	6 7
F 14	8 17	3 25	1 36	18 53	2 38	0 47	4 8	23 50	0 22	19 13	1 5	4 8	2 48	17 25	0 16	19 6	1 35	10 1	11 29	8 55	9 36	7 27	17 21	6 7
S 15	8 40	1n26	2 49	19 17	2 42	0 55	3 55	23 52	0 24	19 12	1 5	4 7	2 48	17 26	0 16	19 7	1 35	10 1	11 30	8 56	9 37	7 29	17 21	6 8
S 16	9 2	6 16	3 51	19 40	2 46	1 2	3 42	23 53	0 26	19 11	1 5	4 5	2 48	17 27	0 16	19 7	1 35	10 0	11 30	8 58	9 38	7 31	17 20	6 9
M17	9 24	10 41	4 36	20 2	2 50	1 8	3 29	23 55	0 28	19 9	1 5	4 3	2 48	17 28	0 16	19 7	1 35	10 0	11 30	9 0	9 39	7 33	17 20	6 9
T 18	9 46	14 22	5 2	20 22	2 53	1 13	3 17	23 57	0 30	19 8	1 5	4 1	2 48	17 29	0 16	19 8	1 35	10 0	11 30	9 3	9 41	7 35	17 19	6 10
W19	10 8	17 2	5 7	20 40	2 55	1 17	3 4	23 59	0 33	19 7	1 5	3 59	2 48	17 30	0 16	19 8	1 35	10 0	11 30	9 6	9 42	7 37	17 18	6 10
T 20	10 29	18 32	4 51	20 57	2 57	1 20	2 52	24 1	0 35	19 6	1 5	3 58	2 48	17 31	0 16	19 9	1 35	9 59	11 30	9 8	9 43	7 38	17 18	6 11
F 21	10 51	18 51	4 19	21 12	2 59	1 22	2 40	24 2	0 37	19 5	1 6	3 56	2 47	17 32	0 16	19 9	1 35	9 59	11 30	9 9	9 44	7 40	17 17	6 11
S 22	11 12	18 4	3 33	21 25	2 59	1 23	2 28	24 4	0 39	19 3	1 6	3 54	2 47	17 33	0 16	19 10	1 35	9 59	11 30	9 10	9 45	7 42	17 17	6 12
S 23	11 33	16 20	2 38	21 36	2 59	1 24	2 17	24 6	0 42	19 2	1 6	3 53	2 47	17 34	0 16	19 10	1 35	9 59	11 31	9 10	9 46	7 44	17 16	6 13
M24	11 54	13 51	1 36	21 45	2 59	1 23	2 5	24 8	0 44	19 1	1 6	3 51	2 47	17 35	0 16	19 10	1 35	9 58	11 31	9 10	9 48	7 46	17 16	6 13
T 25	12 15	10 46	0 31	21 51	2 57	1 21	1 54	24 10	0 46	18 59	1 6	3 49	2 47	17 36	0 16	19 11	1 35	9 58	11 31	9 9	9 49	7 48	17 15	6 14
W26	12 36	7 17	0n34	21 55	2 54	1 19	1 43	24 12	0 49	18 58	1 6	3 48	2 47	17 37	0 16	19 11	1 35	9 58	11 31	9 9	9 50	7 50	17 14	6 14
T 27	12 56	3 33	1 37	21 57	2 50	1 16	1 33	24 14	0 51	18 56	1 6	3 46	2 47	17 38	0 16	19 12	1 35	9 58	11 31	9 10	9 51	7 51	17 14	6 15
F 28	13 16	0s18	2 34	21 55	2 45	1 12	1 22	24 16	0 54	18 55	1 6	3 45	2 47	17 39	0 16	19 12	1 35	9 57	11 31	9 12	9 52	7 53	17 13	6 15
S 29	13 36	4 6	3 25	21 50	2 39	1 7	1 12	24 18	0 56	18 53	1 5	3 43	2 47	17 40	0 16	19 12	1 35	9 57	11 31	9 14	9 53	7 55	17 13	6 16
S 30	13 56	7 46	4 7	21 42	2 31	1 2	1 2	24 21	0 59	18 52	1 5	3 41	2 47	17 41	0 16	19 13	1 35	9 57	11 31	9 18	9 55	7 57	17 12	6 16
M31	14s16	11s 7	4n37	21s30	2s21	0n55	0s52	24n23	1n 1	18n50	1s 5	3n40	2s46	17s42	0n16	19s13	1n35	9n57	11s31	9n22	9n56	7s59	17n12	6s17

Julian Day Number = 2321792.5, Delta T = 46.99 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'55, Lahiri = 18°53'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

NOVEMBER 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 43 14	9♏11'22	24♏ 6	25°R21	26♍20	5♋49	28°R34	15°R44	20♏42	2♐53	5°R41	5°R40	4♍19	1♏41	28°R46	T 1
W 2	2 47 11	10°11'38	6♐ 5	24♏51	27° 0	5°55	28♉27	15♈39	20°46	2°56	5♊40	5♍28	4°15	1°48	28♊44	W 2
T 3	2 51 7	11°11'56	18° 9	24°10	27°42	5°59	28°19	15°35	20°49	2°58	5°39	5°16	4°12	1°54	28°42	T 3
F 4	2 55 4	12°12'16	0♑21	23°20	28°25	6° 3	28°12	15°31	20°53	3° 0	5°38	5° 7	4° 9	2° 1	28°40	F 4
S 5	2 59 0	13°12'37	12°43	22°21	29° 9	6° 6	28° 4	15°27	20°57	3° 2	5°37	5° 0	4° 6	2° 8	28°37	S 5
S 6	3 2 57	14°12'59	25°18	21°14	29°54	6° 8	27°56	15°24	21° 0	3° 4	5°36	4°56	4° 3	2°15	28°35	S 6
M 7	3 6 53	15°13'23	8♒10	20° 0	0♎40	6° 9	27°48	15°20	21° 4	3° 6	5°35	4°54	4° 0	2°21	28°33	M 7
T 8	3 10 50	16°13'48	21°23	18°42	1°27	6°R10	27°41	15°16	21° 8	3° 8	5°34	4°D54	3°56	2°28	28°30	T 8
W 9	3 14 47	17°14'15	4♓58	17°21	2°15	6° 9	27°33	15°12	21°12	3°11	5°33	4°R55	3°53	2°35	28°28	W 9
T 10	3 18 43	18°14'43	19° 0	16° 1	3° 3	6° 8	27°25	15° 9	21°15	3°13	5°32	4°54	3°50	2°41	28°25	T 10
F 11	3 22 40	19°15'12	3♈28	14°44	3°53	6° 6	27°17	15° 5	21°19	3°15	5°31	4°51	3°47	2°48	28°23	F 11
S 12	3 26 36	20°15'43	18°20	13°33	4°43	6° 3	27° 9	15° 2	21°23	3°17	5°30	4°46	3°44	2°55	28°20	S 12
S 13	3 30 33	21°16'14	3♉29	12°29	5°34	5°59	27° 1	14°58	21°26	3°19	5°28	4°38	3°40	3° 1	28°17	S 13
M14	3 34 29	22°16'48	18°46	11°35	6°26	5°55	26°52	14°55	21°30	3°22	5°27	4°27	3°37	3° 8	28°14	M14
T 15	3 38 26	23°17'23	4♊ 0	10°51	7°19	5°49	26°44	14°52	21°34	3°24	5°26	4°16	3°34	3°15	28°11	T 15
W16	3 42 22	24°17'59	19° 0	10°19	8°12	5°43	26°36	14°49	21°38	3°26	5°25	4° 5	3°31	3°22	28° 8	W16
T 17	3 46 19	25°18'37	3♋37	9°59	9° 7	5°35	26°28	14°46	21°41	3°28	5°24	3°55	3°28	3°28	28° 5	T 17
F 18	3 50 16	26°19'17	17°45	9°D50	10° 1	5°27	26°20	14°43	21°45	3°31	5°23	3°48	3°25	3°35	28° 2	F 18
S 19	3 54 12	27°19'58	1♌22	9°52	10°57	5°18	26°12	14°40	21°49	3°33	5°22	3°44	3°21	3°42	27°59	S 19
S 20	3 58 9	28°20'41	14°30	10° 5	11°53	5° 9	26° 3	14°37	21°52	3°35	5°21	3°42	3°18	3°48	27°56	S 20
M21	4 2 5	29°21'26	27°13	10°27	12°49	4°58	25°55	14°35	21°56	3°37	5°19	3°41	3°15	3°55	27°53	M21
T 22	4 6 2	0♐22'12	9♍34	10°58	13°47	4°46	25°47	14°32	22° 0	3°40	5°18	3°41	3°12	4° 2	27°49	T 22
W23	4 9 58	1°22'59	21°40	11°37	14°44	4°34	25°39	14°29	22° 3	3°42	5°17	3°40	3° 9	4° 9	27°46	W23
T 24	4 13 55	2°23'48	3♎36	12°23	15°43	4°21	25°31	14°27	22° 7	3°44	5°16	3°37	3° 6	4°15	27°43	T 24
F 25	4 17 51	3°24'39	15°26	13°15	16°41	4° 7	25°23	14°25	22°11	3°46	5°15	3°32	3° 2	4°22	27°39	F 25
S 26	4 21 48	4°25'31	27°15	14°12	17°41	3°52	25°15	14°23	22°14	3°49	5°14	3°24	2°59	4°29	27°36	S 26
S 27	4 25 45	5°26'24	9♏ 5	15°14	18°40	3°36	25° 7	14°20	22°18	3°51	5°13	3°12	2°56	4°35	27°32	S 27
M28	4 29 41	6°27'18	21° 0	16°20	19°41	3°20	24°59	14°18	22°22	3°53	5°11	2°59	2°53	4°42	27°29	M28
T 29	4 33 38	7°28'14	3♐ 1	17°30	20°41	3° 3	24°51	14°16	22°25	3°55	5°10	2°44	2°50	4°49	27°25	T 29
W30	4 37 34	8♐29'11	15♐ 9	18♏42	21♎42	2♋45	24♉43	14♈15	22♏29	3♐58	5♊ 9	2♍29	2♍46	4♏55	27♊21	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s35	14s 2	4n56	21s15	2s10	0n48	0s43	24n25	1n 4	18n49	1s 5	3n38	2s46	17s43	0n16	19s14	1n35	9n56	11s31	9n27	9n57	8s 1	17n11	6s17
W 2	14 54	16 24	5 2	20 55	1 58	0 41	0 34	24 27	1 6	18 47	1 5	3 37	2 46	17 44	0 16	19 14	1 35	9 56	11 31	9 31	9 58	8 2	17 11	6 18
T 3	15 13	18 3	4 55	20 31	1 43	0 32	0 25	24 30	1 9	18 46	1 5	3 36	2 46	17 44	0 16	19 15	1 35	9 56	11 31	9 36	9 59	8 4	17 10	6 19
F 4	15 32	18 55	4 34	20 3	1 27	0 23	0 16	24 32	1 12	18 44	1 5	3 34	2 46	17 45	0 16	19 15	1 35	9 56	11 32	9 39	10 0	8 6	17 10	6 19
S 5	15 50	18 53	4 0	19 31	1 10	0 13	0 8	24 35	1 14	18 42	1 5	3 33	2 46	17 46	0 16	19 15	1 34	9 55	11 32	9 42	10 1	8 8	17 9	6 20
S 6	16 8	17 56	3 14	18 55	0 51	0 3	0n 1	24 38	1 17	18 41	1 5	3 31	2 46	17 47	0 16	19 16	1 34	9 55	11 32	9 43	10 3	8 10	17 9	6 20
M 7	16 26	16 3	2 17	18 17	0 31	0s 8	0 9	24 40	1 20	18 39	1 5	3 30	2 45	17 48	0 16	19 16	1 34	9 55	11 32	9 44	10 4	8 12	17 8	6 21
T 8	16 43	13 17	1 11	17 36	0 11	0 19	0 17	24 43	1 23	18 37	1 5	3 29	2 45	17 49	0 16	19 17	1 34	9 55	11 32	9 44	10 5	8 13	17 7	6 21
W 9	17 1	9 43	0s 0	16 53	0n10	0 31	0 24	24 46	1 26	18 36	1 5	3 28	2 45	17 50	0 16	19 17	1 34	9 55	11 32	9 44	10 6	8 15	17 7	6 21
T 10	17 18	5 30	1 14	16 11	0 30	0 44	0 31	24 49	1 28	18 34	1 5	3 26	2 45	17 51	0 16	19 18	1 34	9 54	11 32	9 44	10 7	8 17	17 6	6 22
F 11	17 34	0 50	2 25	15 30	0 50	0 57	0 39	24 52	1 31	18 32	1 5	3 25	2 45	17 52	0 16	19 18	1 34	9 54	11 32	9 45	10 8	8 19	17 6	6 22
S 12	17 51	3n59	3 28	14 51	1 8	1 11	0 46	24 55	1 34	18 30	1 5	3 24	2 45	17 53	0 16	19 18	1 34	9 54	11 32	9 47	10 10	8 21	17 6	6 23
S 13	18 7	8 39	4 18	14 15	1 25	1 25	0 52	24 58	1 37	18 29	1 5	3 23	2 44	17 54	0 16	19 19	1 34	9 54	11 32	9 50	10 11	8 23	17 5	6 23
M14	18 22	12 48	4 50	13 44	1 40	1 40	0 59	25 1	1 40	18 27	1 5	3 22	2 44	17 55	0 16	19 19	1 34	9 54	11 32	9 54	10 12	8 24	17 5	6 24
T 15	18 38	16 4	5 1	13 19	1 54	1 55	1 5	25 4	1 43	18 25	1 4	3 21	2 44	17 56	0 16	19 20	1 34	9 53	11 32	9 58	10 13	8 26	17 4	6 24
W16	18 53	18 12	4 51	12 58	2 5	2 10	1 11	25 7	1 46	18 23	1 4	3 20	2 44	17 57	0 15	19 20	1 34	9 53	11 32	10 2	10 14	8 28	17 4	6 25
T 17	19 8	19 4	4 22	12 43	2 14	2 26	1 17	25 10	1 49	18 21	1 4	3 19	2 44	17 58	0 15	19 21	1 34	9 53	11 32	10 5	10 15	8 30	17 3	6 25
F 18	19 22	18 43	3 37	12 34	2 21	2 43	1 22	25 14	1 52	18 20	1 4	3 18	2 43	17 59	0 15	19 21	1 34	9 53	11 32	10 8	10 16	8 32	17 3	6 25
S 19	19 36	17 15	2 42	12 29	2 26	3 0	1 28	25 17	1 55	18 18	1 4	3 17	2 43	18 0	0 15	19 22	1 34	9 53	11 32	10 10	10 18	8 34	17 2	6 26
S 20	19 50	14 55	1 40	12 30	2 30	3 17	1 33	25 20	1 58	18 16	1 4	3 16	2 43	18 1	0 15	19 22	1 34	9 52	11 32	10 10	10 19	8 35	17 2	6 26
M21	20 3	11 56	0 34	12 35	2 31	3 34	1 38	25 24	2 0	18 14	1 4	3 15	2 43	18 2	0 15	19 22	1 34	9 52	11 32	10 10	10 20	8 37	17 1	6 27
T 22	20 16	8 29	0n31	12 44	2 32	3 52	1 43	25 27	2 3	18 13	1 4	3 14	2 43	18 3	0 15	19 23	1 34	9 52	11 32	10 11	10 21	8 39	17 1	6 27
W23	20 28	4 45	1 34	12 57	2 31	4 10	1 47	25 31	2 6	18 11	1 3	3 14	2 42	18 4	0 15	19 23	1 34	9 52	11 32	10 11	10 22	8 41	17 1	6 27
T 24	20 41	0 53	2 31	13 12	2 30	4 28	1 52	25 34	2 9	18 9	1 3	3 13	2 42	18 5	0 15	19 24	1 34	9 52	11 32	10 12	10 23	8 43	17 0	6 28
F 25	20 52	2s59	3 21	13 31	2 27	4 47	1 56	25 37	2 12	18 7	1 3	3 12	2 42	18 6	0 15	19 24	1 34	9 51	11 32	10 14	10 25	8 45	17 0	6 28
S 26	21 4	6 44	4 3	13 51	2 23	5 6	2 0	25 41	2 15	18 5	1 3	3 12	2 42	18 7	0 15	19 25	1 34	9 51	11 32	10 17	10 26	8 46	16 59	6 28
S 27	21 15	10 13	4 34	14 13	2 19	5 25	2 4	25 44	2 18	18 4	1 3	3 11	2 41	18 8	0 15	19 25	1 34	9 51	11 32	10 21	10 27	8 48	16 59	6 29
M28	21 26	13 20	4 53	14 37	2 14	5 44	2 8	25 48	2 21	18 2	1 3	3 11	2 41	18 9	0 15	19 25	1 34	9 51	11 32	10 26	10 28	8 50	16 59	6 29
T 29	21 36	15 54	4 59	15 1	2 9	6 4	2 11	25 51	2 24	18 0	1 2	3 10	2 41	18 10	0 15	19 26	1 34	9 51	11 32	10 31	10 29	8 52	16 58	6 29
W30	21s46	17s49	4n52	15s27	2n 3	6s24	2n14	25n54	2n27	17n59	1s 2	3n10	2s41	18s11	0n15	19s26	1n34	9n51	11s32	10n37	10n30	8s54	16n58	6s30

Julian Day Number = 2321823.5, Delta T = 46.93 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°46'59, Lahiri = 18°53'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1644
geocentric

DECEMBER 1644 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 41 31	9♐30'09	27♐25	19♏58	22♎44	2°R27	24°R36	14°R13	22♏33	4♐ 0	5°R 8	2°R15	2♍43	5♏ 2	27°R18	T 1
F 2	4 45 27	10°31'07	9♑50	21°15	23°46	2♋ 8	24♉28	14♈11	22°36	4° 2	5♊ 7	2♍ 4	2°40	5° 9	27♊14	F 2
S 3	4 49 24	11°32'07	22°24	22°35	24°48	1°48	24°21	14°10	22°40	4° 5	5° 6	1°55	2°37	5°16	27°10	S 3
S 4	4 53 20	12°33'07	5♒ 9	23°56	25°51	1°28	24°13	14° 9	22°43	4° 7	5° 5	1°50	2°34	5°22	27° 7	S 4
M 5	4 57 17	13°34'08	18° 6	25°19	26°54	1° 7	24° 6	14° 7	22°47	4° 9	5° 4	1°47	2°31	5°29	27° 3	M 5
T 6	5 1 14	14°35'10	1♓19	26°42	27°57	0°46	23°59	14° 6	22°50	4°11	5° 2	1°D47	2°27	5°36	26°59	T 6
W 7	5 5 10	15°36'12	14°49	28° 7	29° 1	0°24	23°52	14° 5	22°54	4°13	5° 1	1°R47	2°24	5°42	26°55	W 7
T 8	5 9 7	16°37'14	28°40	29°33	0♏ 5	0° 2	23°45	14° 4	22°57	4°16	5° 0	1°46	2°21	5°49	26°51	T 8
F 9	5 13 3	17°38'17	12♈51	1♐ 0	1° 9	29♊39	23°38	14° 3	23° 1	4°18	4°59	1°44	2°18	5°56	26°47	F 9
S 10	5 17 0	18°39'20	27°22	2°28	2°14	29°16	23°31	14° 2	23° 4	4°20	4°58	1°39	2°15	6° 3	26°43	S 10
S 11	5 20 56	19°40'24	12♉10	3°56	3°19	28°53	23°24	14° 2	23° 8	4°22	4°57	1°32	2°12	6° 9	26°39	S 11
M12	5 24 53	20°41'28	27° 7	5°24	4°24	28°30	23°18	14° 1	23°11	4°25	4°56	1°22	2° 8	6°16	26°35	M12
T 13	5 28 49	21°42'33	12♊ 6	6°53	5°29	28° 6	23°12	14° 1	23°15	4°27	4°55	1°11	2° 5	6°23	26°32	T 13
W14	5 32 46	22°43'38	26°56	8°23	6°35	27°43	23° 5	14° 1	23°18	4°29	4°54	1° 0	2° 2	6°29	26°28	W14
T 15	5 36 43	23°44'44	11♋29	9°53	7°41	27°19	22°59	14° 0	23°21	4°31	4°52	0°51	1°59	6°36	26°24	T 15
F 16	5 40 39	24°45'50	25°38	11°23	8°47	26°55	22°54	14°D 0	23°25	4°33	4°51	0°44	1°56	6°43	26°20	F 16
S 17	5 44 36	25°46'57	9♌19	12°54	9°54	26°32	22°48	14° 0	23°28	4°35	4°50	0°39	1°52	6°50	26°16	S 17
S 18	5 48 32	26°48'04	22°33	14°25	11° 0	26° 8	22°42	14° 0	23°31	4°37	4°49	0°37	1°49	6°56	26°12	S 18
M19	5 52 29	27°49'13	5♍21	15°56	12° 7	25°44	22°37	14° 1	23°35	4°40	4°48	0°D37	1°46	7° 3	26° 8	M19
T 20	5 56 25	28°50'21	17°48	17°28	13°15	25°21	22°32	14° 1	23°38	4°42	4°47	0°37	1°43	7°10	26° 4	T 20
W21	6 0 22	29°51'30	29°57	18°59	14°22	24°58	22°27	14° 2	23°41	4°44	4°46	0°R38	1°40	7°16	26° 0	W21
T 22	6 4 18	0♑52'40	11♎54	20°32	15°30	24°35	22°22	14° 2	23°44	4°46	4°45	0°37	1°37	7°23	25°56	T 22
F 23	6 8 15	1°53'50	23°46	22° 4	16°38	24°12	22°17	14° 3	23°47	4°48	4°44	0°34	1°33	7°30	25°52	F 23
S 24	6 12 12	2°55'01	5♏35	23°37	17°46	23°50	22°12	14° 4	23°50	4°50	4°43	0°29	1°30	7°37	25°48	S 24
S 25	6 16 8	3°56'12	17°28	25°10	18°54	23°28	22° 8	14° 5	23°53	4°52	4°42	0°22	1°27	7°43	25°44	S 25
M26	6 20 5	4°57'24	29°27	26°43	20° 2	23° 7	22° 4	14° 6	23°56	4°54	4°41	0°12	1°24	7°50	25°40	M26
T 27	6 24 1	5°58'35	11♐35	28°17	21°11	22°46	22° 0	14° 7	24° 0	4°56	4°40	0° 1	1°21	7°57	25°36	T 27
W28	6 27 58	6°59'47	23°54	29°51	22°19	22°25	21°56	14° 8	24° 2	4°58	4°39	29♌51	1°18	8° 3	25°32	W28
T 29	6 31 54	8° 0'59	6♑24	1♑25	23°28	22° 5	21°52	14° 9	24° 5	5° 0	4°38	29°41	1°14	8°10	25°28	T 29
F 30	6 35 51	9° 2'11	19° 6	3° 0	24°37	21°46	21°49	14°11	24° 8	5° 2	4°37	29°32	1°11	8°17	25°24	F 30
S 31	6 39 47	10♑ 3'23	1♒59	4♑35	25♏47	21♊27	21♉46	14♈12	24♏11	5♐ 4	4♊36	29♌27	1♍ 8	8♏24	25♊20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s55	18s56	4n32	15s53	1n57	6s44	2n18	25n57	2n30	17n57	1s 2	3n 9	2s40	18s12	0n15	19s27	1n34	9n51	11s32	10n42	10n31	8s55	16n57	6s30
F 2	22 4	19 10	3 58	16 20	1 50	7 4	2 21	26 0	2 32	17 55	1 2	3 9	2 40	18 12	0 15	19 27	1 34	9 50	11 32	10 46	10 33	8 57	16 57	6 30
S 3	22 12	18 28	3 12	16 47	1 43	7 24	2 23	26 3	2 35	17 54	1 2	3 8	2 40	18 13	0 15	19 27	1 34	9 50	11 32	10 49	10 34	8 59	16 57	6 30
S 4	22 21	16 49	2 16	17 14	1 36	7 44	2 26	26 6	2 38	17 52	1 2	3 8	2 40	18 14	0 15	19 28	1 34	9 50	11 31	10 51	10 35	9 1	16 56	6 31
M 5	22 28	14 18	1 12	17 41	1 29	8 5	2 28	26 9	2 40	17 50	1 1	3 8	2 39	18 15	0 15	19 28	1 34	9 50	11 31	10 51	10 36	9 3	16 56	6 31
T 6	22 35	10 59	0 2	18 8	1 22	8 25	2 31	26 12	2 43	17 49	1 1	3 8	2 39	18 16	0 15	19 29	1 34	9 50	11 31	10 52	10 37	9 5	16 56	6 31
W 7	22 42	7 2	1s 9	18 34	1 15	8 46	2 33	26 14	2 46	17 47	1 1	3 7	2 39	18 17	0 15	19 29	1 34	9 50	11 31	10 52	10 38	9 6	16 55	6 31
T 8	22 49	2 38	2 17	19 0	1 7	9 6	2 35	26 17	2 48	17 46	1 1	3 7	2 39	18 18	0 15	19 30	1 34	9 50	11 31	10 52	10 39	9 8	16 55	6 32
F 9	22 54	2n 2	3 19	19 25	1 0	9 27	2 36	26 19	2 50	17 44	1 1	3 7	2 38	18 19	0 15	19 30	1 34	9 50	11 31	10 53	10 41	9 10	16 55	6 32
S 10	23 0	6 40	4 10	19 50	0 52	9 48	2 38	26 22	2 53	17 43	1 0	3 7	2 38	18 20	0 15	19 30	1 34	9 50	11 31	10 54	10 42	9 12	16 55	6 32
S 11	23 5	10 59	4 45	20 14	0 45	10 8	2 39	26 24	2 55	17 41	1 0	3 7	2 38	18 20	0 15	19 31	1 34	9 49	11 31	10 57	10 43	9 14	16 54	6 32
M12	23 9	14 40	5 1	20 38	0 37	10 29	2 41	26 26	2 57	17 40	1 0	3 7	2 37	18 21	0 15	19 31	1 34	9 49	11 31	11 0	10 44	9 15	16 54	6 32
T 13	23 13	17 23	4 56	21 1	0 30	10 50	2 42	26 27	2 59	17 39	1 0	3 7	2 37	18 22	0 15	19 31	1 34	9 49	11 31	11 4	10 45	9 17	16 54	6 33
W14	23 17	18 55	4 32	21 23	0 22	11 10	2 43	26 29	3 1	17 37	0 59	3 8	2 37	18 23	0 15	19 32	1 34	9 49	11 31	11 8	10 46	9 19	16 54	6 33
T 15	23 20	19 10	3 50	21 44	0 15	11 31	2 44	26 31	3 3	17 36	0 59	3 8	2 37	18 24	0 15	19 32	1 34	9 49	11 30	11 12	10 47	9 21	16 53	6 33
F 16	23 23	18 12	2 55	22 4	0 8	11 51	2 45	26 32	3 5	17 35	0 59	3 8	2 36	18 25	0 15	19 33	1 34	9 49	11 30	11 14	10 48	9 23	16 53	6 33
S 17	23 25	16 10	1 51	22 23	0 0	12 12	2 45	26 33	3 7	17 33	0 59	3 8	2 36	18 26	0 15	19 33	1 34	9 49	11 30	11 16	10 50	9 25	16 53	6 33
S 18	23 27	13 21	0 43	22 41	0s 7	12 32	2 46	26 34	3 9	17 32	0 58	3 8	2 36	18 26	0 15	19 33	1 34	9 49	11 30	11 16	10 51	9 26	16 53	6 33
M19	23 28	9 57	0n25	22 58	0 14	12 52	2 46	26 35	3 10	17 31	0 58	3 9	2 36	18 27	0 15	19 34	1 34	9 49	11 30	11 17	10 52	9 28	16 53	6 33
T 20	23 29	6 13	1 30	23 14	0 20	13 12	2 46	26 36	3 12	17 30	0 58	3 9	2 35	18 28	0 15	19 34	1 34	9 49	11 30	11 16	10 53	9 30	16 52	6 33
W21	23 29	2 19	2 30	23 29	0 27	13 32	2 46	26 36	3 13	17 29	0 58	3 10	2 35	18 29	0 15	19 34	1 34	9 49	11 30	11 16	10 54	9 32	16 52	6 33
T 22	23 29	1s37	3 22	23 42	0 34	13 52	2 46	26 37	3 14	17 28	0 57	3 10	2 35	18 30	0 15	19 35	1 34	9 49	11 29	11 16	10 55	9 34	16 52	6 33
F 23	23 28	5 27	4 5	23 55	0 40	14 11	2 46	26 37	3 16	17 27	0 57	3 11	2 34	18 30	0 15	19 35	1 34	9 49	11 29	11 17	10 56	9 35	16 52	6 33
S 24	23 27	9 3	4 37	24 6	0 47	14 31	2 45	26 37	3 17	17 26	0 57	3 11	2 34	18 31	0 15	19 36	1 34	9 49	11 29	11 19	10 58	9 37	16 52	6 33
S 25	23 25	12 19	4 57	24 16	0 53	14 50	2 45	26 37	3 18	17 25	0 57	3 12	2 34	18 32	0 15	19 36	1 34	9 49	11 29	11 22	10 59	9 39	16 52	6 34
M26	23 23	15 6	5 5	24 25	0 59	15 9	2 44	26 37	3 19	17 24	0 56	3 13	2 34	18 33	0 15	19 36	1 34	9 49	11 29	11 25	11 0	9 41	16 51	6 34
T 27	23 21	17 17	4 59	24 33	1 4	15 27	2 44	26 37	3 20	17 24	0 56	3 13	2 33	18 33	0 15	19 37	1 35	9 49	11 29	11 29	11 1	9 43	16 51	6 34
W28	23 18	18 42	4 39	24 39	1 10	15 46	2 43	26 36	3 21	17 23	0 56	3 14	2 33	18 34	0 15	19 37	1 35	9 49	11 29	11 33	11 2	9 44	16 51	6 33
T 29	23 14	19 15	4 5	24 44	1 15	16 4	2 42	26 36	3 21	17 22	0 56	3 15	2 33	18 35	0 15	19 37	1 35	9 49	11 28	11 36	11 3	9 46	16 51	6 33
F 30	23 10	18 50	3 19	24 47	1 20	16 21	2 41	26 35	3 22	17 22	0 55	3 16	2 32	18 36	0 15	19 38	1 35	9 49	11 28	11 39	11 4	9 48	16 51	6 33
S 31	23s 6	17s27	2n22	24s50	1s25	16s39	2n40	26n34	3n22	17n21	0s55	3n16	2s32	18s36	0n15	19s38	1n35	9n49	11s28	11n41	11n 5	9s50	16n51	6s33

Julian Day Number = 2321853.5, Delta T = 46.87 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'03, Lahiri = 18°54'03Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

JANUARY 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 43 44	11♑ 4'34	15♒ 4	6♑10	26♏56	21°R 9	21°R43	14♈14	24♏14	5♐ 6	4°R36	29°R23	1♍ 5	8♏30	25°R17	S 1
M 2	6 47 41	12° 5'46	28°19	7°46	28° 5	20♊52	21♉40	14°16	24°17	5° 8	4♊35	29°D22	1° 2	8°37	25♊13	M 2
T 3	6 51 37	13° 6'56	11♓46	9°22	29°15	20°35	21°37	14°18	24°20	5°10	4°34	29♌23	0°58	8°44	25° 9	T 3
W 4	6 55 34	14° 8'06	25°25	10°59	0♐25	20°19	21°35	14°20	24°22	5°12	4°33	29°24	0°55	8°50	25° 5	W 4
T 5	6 59 30	15° 9'16	9♈16	12°36	1°35	20° 4	21°33	14°22	24°25	5°13	4°32	29°R25	0°52	8°57	25° 2	T 5
F 6	7 3 27	16°10'25	23°19	14°13	2°45	19°50	21°31	14°24	24°28	5°15	4°31	29°25	0°49	9° 4	24°58	F 6
S 7	7 7 23	17°11'33	7♉34	15°51	3°55	19°36	21°29	14°26	24°30	5°17	4°31	29°23	0°46	9°10	24°54	S 7
S 8	7 11 20	18°12'41	21°58	17°30	5° 5	19°23	21°27	14°29	24°33	5°19	4°30	29°19	0°43	9°17	24°51	S 8
M 9	7 15 16	19°13'48	6♊28	19° 9	6°15	19°11	21°26	14°31	24°35	5°21	4°29	29°14	0°39	9°24	24°47	M 9
T 10	7 19 13	20°14'54	20°58	20°48	7°26	19° 0	21°25	14°34	24°38	5°22	4°28	29° 8	0°36	9°31	24°44	T 10
W11	7 23 10	21°16'00	5♋22	22°28	8°36	18°49	21°24	14°37	24°40	5°24	4°27	29° 1	0°33	9°37	24°40	W11
T 12	7 27 6	22°17'05	19°34	24° 9	9°47	18°40	21°23	14°40	24°43	5°26	4°27	28°56	0°30	9°44	24°37	T 12
F 13	7 31 3	23°18'09	3♌29	25°50	10°58	18°31	21°23	14°43	24°45	5°27	4°26	28°52	0°27	9°51	24°34	F 13
S 14	7 34 59	24°19'13	17° 2	27°31	12° 9	18°23	21°22	14°46	24°48	5°29	4°25	28°49	0°24	9°58	24°30	S 14
S 15	7 38 56	25°20'17	0♍14	29°13	13°20	18°15	21°D22	14°49	24°50	5°31	4°25	28°D49	0°20	10° 4	24°27	S 15
M16	7 42 52	26°21'19	13° 3	0♒56	14°31	18° 9	21°22	14°52	24°52	5°32	4°24	28°50	0°17	10°11	24°24	M16
T 17	7 46 49	27°22'21	25°33	2°39	15°42	18° 3	21°22	14°55	24°54	5°34	4°23	28°51	0°14	10°18	24°21	T 17
W18	7 50 45	28°23'23	7♎46	4°22	16°53	17°58	21°23	14°59	24°56	5°35	4°23	28°53	0°11	10°24	24°18	W18
T 19	7 54 42	29°24'24	19°47	6° 6	18° 4	17°54	21°24	15° 2	24°59	5°37	4°22	28°55	0° 8	10°31	24°15	T 19
F 20	7 58 39	0♒25'25	1♏41	7°50	19°16	17°51	21°25	15° 6	25° 1	5°38	4°22	28°R55	0° 4	10°38	24°12	F 20
S 21	8 2 35	1°26'25	13°32	9°34	20°27	17°49	21°26	15°10	25° 3	5°40	4°21	28°54	0° 1	10°45	24° 9	S 21
S 22	8 6 32	2°27'24	25°26	11°19	21°39	17°47	21°27	15°13	25° 5	5°41	4°20	28°52	29♌58	10°51	24° 6	S 22
M23	8 10 28	3°28'23	7♐27	13° 4	22°50	17°46	21°28	15°17	25° 7	5°43	4°20	28°49	29°55	10°58	24° 3	M23
T 24	8 14 25	4°29'21	19°39	14°49	24° 2	17°D46	21°30	15°21	25° 8	5°44	4°19	28°45	29°52	11° 5	24° 1	T 24
W25	8 18 21	5°30'18	2♑ 5	16°33	25°14	17°47	21°32	15°25	25°10	5°46	4°19	28°41	29°49	11°11	23°58	W25
T 26	8 22 18	6°31'14	14°47	18°18	26°26	17°48	21°34	15°29	25°12	5°47	4°18	28°37	29°45	11°18	23°55	T 26
F 27	8 26 15	7°32'10	27°44	20° 1	27°38	17°50	21°36	15°34	25°14	5°48	4°18	28°34	29°42	11°25	23°53	F 27
S 28	8 30 11	8°33'04	10♒59	21°44	28°49	17°53	21°39	15°38	25°15	5°50	4°18	28°32	29°39	11°32	23°50	S 28
S 29	8 34 8	9°33'57	24°28	23°26	0♑ 1	17°57	21°42	15°43	25°17	5°51	4°17	28°D31	29°36	11°38	23°48	S 29
M30	8 38 4	10°34'49	8♓10	25° 7	1°14	18° 1	21°44	15°47	25°19	5°52	4°17	28°32	29°33	11°45	23°46	M30
T 31	8 42 1	11♒35'40	22♓ 3	26♒46	2♑26	18♊ 6	21♉48	15♈52	25♏20	5♐53	4♊16	28♌33	29♌30	11♏52	23♊43	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 1	15s 8	1n16	24s50	1s30	16s56	2n39	26n34	3n23	17n21	0s55	3n17	2s32	18s37	0n15	19s38	1n35	9n49	11s28	11n42	11n 7	9s52	16n51	6s33
M 2	22 56	11 59	0 6	24 50	1 35	17 13	2 37	26 33	3 23	17 20	0 55	3 18	2 32	18 38	0 15	19 39	1 35	9 49	11 28	11 43	11 8	9 53	16 51	6 33
T 3	22 50	8 11	1s 7	24 48	1 39	17 29	2 36	26 32	3 23	17 20	0 54	3 19	2 31	18 38	0 15	19 39	1 35	9 49	11 27	11 43	11 9	9 55	16 51	6 33
W 4	22 44	3 54	2 16	24 44	1 43	17 46	2 34	26 31	3 24	17 19	0 54	3 20	2 31	18 39	0 15	19 39	1 35	9 49	11 27	11 42	11 10	9 57	16 51	6 33
T 5	22 37	0n38	3 19	24 39	1 46	18 1	2 33	26 30	3 24	17 19	0 54	3 21	2 31	18 40	0 15	19 39	1 35	9 49	11 27	11 42	11 11	9 59	16 51	6 33
F 6	22 30	5 12	4 11	24 33	1 50	18 17	2 31	26 29	3 24	17 19	0 54	3 22	2 31	18 40	0 15	19 40	1 35	9 49	11 27	11 42	11 12	10 1	16 51	6 33
S 7	22 23	9 31	4 48	24 24	1 53	18 32	2 29	26 28	3 24	17 19	0 53	3 24	2 30	18 41	0 15	19 40	1 35	9 49	11 27	11 43	11 13	10 2	16 51	6 33
S 8	22 15	13 21	5 7	24 15	1 56	18 46	2 27	26 26	3 24	17 18	0 53	3 25	2 30	18 42	0 15	19 40	1 35	9 49	11 26	11 44	11 15	10 4	16 51	6 33
M 9	22 6	16 23	5 7	24 4	1 58	19 1	2 25	26 25	3 23	17 18	0 53	3 26	2 30	18 42	0 15	19 41	1 35	9 49	11 26	11 46	11 16	10 6	16 51	6 32
T 10	21 57	18 23	4 48	23 51	2 0	19 14	2 23	26 24	3 23	17 18	0 52	3 27	2 29	18 43	0 15	19 41	1 35	9 49	11 26	11 48	11 17	10 8	16 51	6 32
W11	21 48	19 13	4 10	23 37	2 2	19 28	2 21	26 23	3 23	17 18	0 52	3 29	2 29	18 43	0 15	19 41	1 35	9 50	11 26	11 50	11 18	10 9	16 51	6 32
T 12	21 38	18 48	3 17	23 21	2 3	19 40	2 19	26 22	3 23	17 18	0 52	3 30	2 29	18 44	0 15	19 41	1 35	9 50	11 26	11 52	11 19	10 11	16 51	6 32
F 13	21 28	17 15	2 14	23 3	2 4	19 53	2 16	26 21	3 22	17 18	0 52	3 31	2 29	18 45	0 15	19 42	1 35	9 50	11 25	11 53	11 20	10 13	16 51	6 32
S 14	21 17	14 45	1 4	22 44	2 5	20 5	2 14	26 20	3 22	17 19	0 51	3 33	2 28	18 45	0 15	19 42	1 35	9 50	11 25	11 54	11 21	10 15	16 51	6 32
S 15	21 7	11 32	0n 8	22 24	2 5	20 16	2 11	26 18	3 21	17 19	0 51	3 34	2 28	18 46	0 15	19 42	1 35	9 50	11 25	11 54	11 22	10 17	16 51	6 31
M16	20 55	7 51	1 17	22 1	2 5	20 27	2 9	26 17	3 21	17 19	0 51	3 36	2 28	18 46	0 15	19 42	1 35	9 50	11 25	11 54	11 23	10 18	16 51	6 31
T 17	20 43	3 56	2 21	21 37	2 4	20 37	2 6	26 16	3 20	17 20	0 51	3 37	2 28	18 47	0 15	19 43	1 35	9 50	11 24	11 54	11 25	10 20	16 51	6 31
W18	20 31	0s 4	3 17	21 12	2 3	20 47	2 4	26 15	3 20	17 20	0 50	3 39	2 27	18 47	0 15	19 43	1 35	9 50	11 24	11 53	11 26	10 22	16 51	6 31
T 19	20 19	3 59	4 4	20 44	2 1	20 56	2 1	26 14	3 19	17 20	0 50	3 40	2 27	18 48	0 15	19 43	1 35	9 50	11 24	11 53	11 27	10 24	16 51	6 30
F 20	20 6	7 43	4 39	20 16	1 59	21 5	1 58	26 13	3 18	17 21	0 50	3 42	2 27	18 48	0 15	19 43	1 35	9 51	11 24	11 52	11 28	10 25	16 52	6 30
S 21	19 53	11 7	5 3	19 45	1 56	21 13	1 55	26 12	3 18	17 21	0 49	3 44	2 27	18 49	0 15	19 44	1 35	9 51	11 23	11 53	11 29	10 27	16 52	6 30
S 22	19 39	14 5	5 13	19 13	1 53	21 21	1 52	26 11	3 17	17 22	0 49	3 45	2 26	18 49	0 15	19 44	1 35	9 51	11 23	11 53	11 30	10 29	16 52	6 30
M23	19 25	16 30	5 10	18 40	1 49	21 28	1 50	26 11	3 16	17 23	0 49	3 47	2 26	18 50	0 15	19 44	1 35	9 51	11 23	11 54	11 31	10 31	16 52	6 29
T 24	19 10	18 12	4 53	18 5	1 44	21 34	1 47	26 10	3 15	17 23	0 49	3 49	2 26	18 50	0 15	19 44	1 35	9 51	11 23	11 56	11 32	10 33	16 52	6 29
W25	18 56	19 6	4 22	17 29	1 39	21 40	1 44	26 9	3 15	17 24	0 48	3 51	2 26	18 51	0 15	19 44	1 35	9 51	11 22	11 57	11 34	10 34	16 52	6 29
T 26	18 41	19 3	3 38	16 51	1 33	21 46	1 41	26 8	3 14	17 25	0 48	3 52	2 25	18 51	0 15	19 45	1 35	9 51	11 22	11 58	11 35	10 36	16 52	6 28
F 27	18 25	18 1	2 42	16 12	1 27	21 50	1 37	26 8	3 13	17 26	0 48	3 54	2 25	18 51	0 15	19 45	1 36	9 52	11 22	12 0	11 36	10 38	16 53	6 28
S 28	18 9	15 59	1 35	15 32	1 19	21 54	1 34	26 7	3 12	17 27	0 48	3 56	2 25	18 52	0 15	19 45	1 36	9 52	11 22	12 0	11 37	10 40	16 53	6 28
S 29	17 53	13 2	0 22	14 51	1 11	21 58	1 31	26 6	3 11	17 28	0 47	3 58	2 25	18 52	0 15	19 45	1 36	9 52	11 21	12 1	11 38	10 41	16 53	6 28
M30	17 37	9 21	0s53	14 9	1 2	22 1	1 28	26 6	3 10	17 29	0 47	4 0	2 24	18 53	0 15	19 45	1 36	9 52	11 21	12 0	11 39	10 43	16 53	6 27
T 31	17s20	5s 6	2s 6	13s26	0s53	22s 3	1n25	26n 5	3n 9	17n30	0s47	4n 2	2s24	18s53	0n15	19s45	1n36	9n52	11s21	12n 0	11n40	10s45	16n54	6s27

Julian Day Number = 2321884.5, Delta T = 46.81 sec
Ecliptic obliquity = 23°28'59, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'07, Lahiri = 18°54'08Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

FEBRUARY 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 45 57	12♒36'29	6♈ 4	28♒22	3♑38	18♊11	21♉51	15♈56	25♏22	5♐54	4°R16	28♌34	29♌26	11♏58	23°R41	W 1
T 2	8 49 54	13°37'16	20°10	29°56	4°50	18°18	21°54	16° 1	25°23	5°55	4♊16	28°35	29°23	12° 5	23♊39	T 2
F 3	8 53 50	14°38'02	4♉20	1♓27	6° 2	18°25	21°58	16° 6	25°24	5°57	4°15	28°36	29°20	12°12	23°37	F 3
S 4	8 57 47	15°38'46	18°32	2°54	7°15	18°32	22° 2	16°11	25°26	5°58	4°15	28°R36	29°17	12°19	23°35	S 4
S 5	9 1 43	16°39'29	2♊42	4°16	8°27	18°41	22° 6	16°16	25°27	5°59	4°15	28°36	29°14	12°25	23°33	S 5
M 6	9 5 40	17°40'10	16°50	5°33	9°39	18°50	22°10	16°21	25°28	6° 0	4°15	28°35	29°10	12°32	23°32	M 6
T 7	9 9 37	18°40'50	0♋51	6°45	10°52	18°59	22°15	16°26	25°29	6° 1	4°14	28°33	29° 7	12°39	23°30	T 7
W 8	9 13 33	19°41'28	14°45	7°49	12° 4	19° 9	22°19	16°31	25°31	6° 2	4°14	28°32	29° 4	12°45	23°28	W 8
T 9	9 17 30	20°42'04	28°28	8°47	13°17	19°20	22°24	16°37	25°32	6° 3	4°14	28°31	29° 1	12°52	23°27	T 9
F 10	9 21 26	21°42'38	11♌57	9°36	14°29	19°31	22°29	16°42	25°33	6° 3	4°14	28°31	28°58	12°59	23°26	F 10
S 11	9 25 23	22°43'11	25°11	10°17	15°42	19°43	22°34	16°47	25°34	6° 4	4°14	28°D30	28°55	13° 6	23°24	S 11
S 12	9 29 19	23°43'43	8♍ 9	10°48	16°54	19°55	22°39	16°53	25°35	6° 5	4°14	28°30	28°51	13°12	23°23	S 12
M13	9 33 16	24°44'13	20°51	11°10	18° 7	20° 8	22°45	16°59	25°35	6° 6	4°14	28°31	28°48	13°19	23°22	M13
T 14	9 37 12	25°44'41	3♎17	11°22	19°20	20°22	22°50	17° 4	25°36	6° 7	4°14	28°31	28°45	13°26	23°21	T 14
W15	9 41 9	26°45'08	15°30	11°R24	20°32	20°35	22°56	17°10	25°37	6° 7	4°14	28°31	28°42	13°32	23°20	W15
T 16	9 45 6	27°45'33	27°32	11°15	21°45	20°50	23° 2	17°16	25°38	6° 8	4°D13	28°31	28°39	13°39	23°19	T 16
F 17	9 49 2	28°45'58	9♏28	10°57	22°58	21° 5	23° 8	17°22	25°38	6° 9	4°13	28°R31	28°35	13°46	23°18	F 17
S 18	9 52 59	29°46'20	21°20	10°29	24°11	21°20	23°15	17°28	25°39	6° 9	4°14	28°31	28°32	13°53	23°17	S 18
S 19	9 56 55	0♓46'42	3♐14	9°52	25°24	21°36	23°21	17°33	25°39	6°10	4°14	28°D31	28°29	13°59	23°16	S 19
M20	10 0 52	1°47'02	15°15	9° 8	26°37	21°52	23°28	17°40	25°40	6°10	4°14	28°31	28°26	14° 6	23°16	M20
T 21	10 4 48	2°47'20	27°27	8°17	27°50	22° 9	23°34	17°46	25°40	6°11	4°14	28°32	28°23	14°13	23°15	T 21
W22	10 8 45	3°47'37	9♑54	7°21	29° 2	22°26	23°41	17°52	25°41	6°11	4°14	28°32	28°20	14°19	23°15	W22
T 23	10 12 41	4°47'53	22°39	6°21	0♒15	22°43	23°48	17°58	25°41	6°12	4°14	28°33	28°16	14°26	23°14	T 23
F 24	10 16 38	5°48'06	5♒46	5°18	1°28	23° 1	23°56	18° 4	25°41	6°12	4°14	28°33	28°13	14°33	23°14	F 24
S 25	10 20 35	6°48'19	19°14	4°15	2°41	23°20	24° 3	18°11	25°41	6°13	4°14	28°34	28°10	14°40	23°14	S 25
S 26	10 24 31	7°48'29	3♓ 4	3°13	3°54	23°39	24°11	18°17	25°41	6°13	4°15	28°R34	28° 7	14°46	23°D14	S 26
M27	10 28 28	8°48'37	17°12	2°12	5° 8	23°58	24°18	18°23	25°42	6°13	4°15	28°34	28° 4	14°53	23°14	M27
T 28	10 32 24	9♓48'44	1♈34	1♓16	6♒21	24♊17	24♉26	18♈30	25°R42	6♐14	4♊15	28♌33	28♌ 1	15♏ 0	23♊14	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17s 3	0s32	3s13	12s43	0s42	22s 5	1n21	26n 5	3n 8	17n31	0s47	4n 4	2s24	18s53	0n15	19s46	1n36	9n53	11s21	12n 0	11n41	10s47	16n54	6s27
T 2	16 46	4n 4	4 8	12 0	0 31	22 6	1 18	26 5	3 7	17 32	0 46	4 6	2 24	18 54	0 15	19 46	1 36	9 53	11 20	11 59	11 42	10 49	16 54	6 26
F 3	16 28	8 27	4 49	11 17	0 19	22 6	1 15	26 4	3 6	17 33	0 46	4 8	2 24	18 54	0 15	19 46	1 36	9 53	11 20	11 59	11 44	10 50	16 54	6 26
S 4	16 11	12 23	5 12	10 34	0 7	22 6	1 12	26 4	3 5	17 34	0 46	4 10	2 23	18 54	0 15	19 46	1 36	9 53	11 20	11 59	11 45	10 52	16 55	6 25
S 5	15 52	15 35	5 16	9 51	0n 7	22 5	1 8	26 4	3 4	17 36	0 46	4 12	2 23	18 55	0 15	19 46	1 36	9 53	11 20	11 59	11 46	10 54	16 55	6 25
M 6	15 34	17 51	5 1	9 10	0 21	22 3	1 5	26 4	3 3	17 37	0 45	4 15	2 23	18 55	0 15	19 46	1 36	9 54	11 19	11 59	11 47	10 56	16 55	6 25
T 7	15 15	19 1	4 28	8 30	0 35	22 1	1 2	26 3	3 2	17 38	0 45	4 17	2 23	18 55	0 15	19 46	1 36	9 54	11 19	12 0	11 48	10 57	16 55	6 24
W 8	14 56	19 2	3 39	7 52	0 51	21 58	0 58	26 3	3 1	17 40	0 45	4 19	2 22	18 55	0 15	19 47	1 36	9 54	11 19	12 0	11 49	10 59	16 56	6 24
T 9	14 37	17 55	2 39	7 16	1 6	21 55	0 55	26 3	3 0	17 41	0 45	4 21	2 22	18 56	0 15	19 47	1 36	9 54	11 19	12 1	11 50	11 1	16 56	6 24
F 10	14 18	15 47	1 31	6 43	1 22	21 51	0 51	26 3	2 59	17 43	0 44	4 23	2 22	18 56	0 15	19 47	1 36	9 55	11 18	12 1	11 51	11 3	16 56	6 23
S 11	13 58	12 52	0 18	6 13	1 38	21 46	0 48	26 3	2 58	17 44	0 44	4 26	2 22	18 56	0 15	19 47	1 36	9 55	11 18	12 1	11 52	11 4	16 57	6 23
S 12	13 38	9 21	0n53	5 46	1 54	21 40	0 45	26 3	2 57	17 46	0 44	4 28	2 22	18 56	0 15	19 47	1 36	9 55	11 18	12 1	11 54	11 6	16 57	6 22
M13	13 18	5 29	2 1	5 24	2 9	21 34	0 41	26 3	2 56	17 47	0 44	4 30	2 21	18 57	0 15	19 47	1 36	9 55	11 17	12 1	11 55	11 8	16 57	6 22
T 14	12 58	1 28	3 1	5 5	2 25	21 28	0 38	26 3	2 55	17 49	0 43	4 33	2 21	18 57	0 16	19 47	1 36	9 56	11 17	12 1	11 56	11 10	16 58	6 22
W15	12 37	2s33	3 52	4 51	2 39	21 21	0 34	26 3	2 54	17 51	0 43	4 35	2 21	18 57	0 16	19 47	1 36	9 56	11 17	12 1	11 57	11 11	16 58	6 21
T 16	12 16	6 23	4 32	4 42	2 53	21 13	0 31	26 3	2 53	17 53	0 43	4 37	2 21	18 57	0 16	19 47	1 36	9 56	11 17	12 1	11 58	11 13	16 59	6 21
F 17	11 55	9 56	5 0	4 37	3 5	21 4	0 28	26 3	2 52	17 54	0 43	4 40	2 21	18 57	0 16	19 47	1 37	9 56	11 16	12 1	11 59	11 15	16 59	6 20
S 18	11 34	13 4	5 15	4 37	3 16	20 55	0 24	26 3	2 51	17 56	0 42	4 42	2 20	18 57	0 16	19 47	1 37	9 57	11 16	12 1	12 0	11 17	16 59	6 20
S 19	11 13	15 40	5 16	4 42	3 26	20 45	0 21	26 3	2 50	17 58	0 42	4 45	2 20	18 57	0 16	19 47	1 37	9 57	11 16	12 1	12 1	11 18	17 0	6 19
M20	10 52	17 38	5 4	4 52	3 34	20 35	0 18	26 3	2 49	18 0	0 42	4 47	2 20	18 58	0 16	19 47	1 37	9 57	11 15	12 1	12 2	11 20	17 0	6 19
T 21	10 30	18 50	4 38	5 5	3 39	20 24	0 14	26 3	2 48	18 2	0 42	4 50	2 20	18 58	0 16	19 48	1 37	9 58	11 15	12 0	12 4	11 22	17 1	6 19
W22	10 8	19 9	3 58	5 23	3 43	20 12	0 11	26 3	2 47	18 4	0 41	4 52	2 20	18 58	0 16	19 48	1 37	9 58	11 15	12 0	12 5	11 24	17 1	6 18
T 23	9 46	18 31	3 6	5 44	3 44	20 0	0 8	26 3	2 46	18 6	0 41	4 55	2 20	18 58	0 16	19 48	1 37	9 58	11 15	12 0	12 6	11 25	17 1	6 18
F 24	9 24	16 53	2 3	6 7	3 43	19 47	0 5	26 3	2 45	18 8	0 41	4 57	2 19	18 58	0 16	19 48	1 37	9 59	11 14	12 0	12 7	11 27	17 2	6 17
S 25	9 2	14 16	0 51	6 33	3 40	19 34	0 2	26 3	2 44	18 10	0 41	5 0	2 19	18 58	0 16	19 48	1 37	9 59	11 14	12 0	12 8	11 29	17 2	6 17
S 26	8 39	10 47	0s25	7 0	3 35	19 20	0s 2	26 3	2 43	18 12	0 41	5 2	2 19	18 58	0 16	19 48	1 37	9 59	11 14	12 0	12 9	11 31	17 3	6 16
M27	8 17	6 37	1 41	7 28	3 28	19 6	0 5	26 3	2 42	18 14	0 40	5 5	2 19	18 58	0 16	19 48	1 37	9 59	11 14	12 0	12 10	11 32	17 3	6 16
T 28	7s54	2s 1	2s53	7s56	3n20	18s51	0s 8	26n 3	2n41	18n16	0s40	5n 7	2s19	18s58	0n16	19s48	1n37	10n 0	11s13	12n 0	12n11	11s34	17n 4	6s15

Julian Day Number = 2321915.5, Delta T = 46.75 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'11, Lahiri = 18°54'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

MARCH 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 36 21	10♓48'49	16♈ 4	0°R23	7♒34	24♊37	24♉34	18♈37	25°R42	6♐14	4♊15	28°R31	27♌57	15♏ 6	23♊14	W 1
T 2	10 40 17	11°48'51	0♉37	29♒35	8°47	24°57	24°42	18°43	25♏41	6°14	4°16	28♌30	27°54	15°13	23°15	T 2
F 3	10 44 14	12°48'52	15° 7	28°54	10° 0	25°18	24°50	18°50	25°41	6°14	4°16	28°28	27°51	15°20	23°15	F 3
S 4	10 48 10	13°48'50	29°29	28°18	11°13	25°39	24°59	18°56	25°41	6°14	4°16	28°27	27°48	15°27	23°15	S 4
S 5	10 52 7	14°48'46	13♊40	27°49	12°26	26° 0	25° 7	19° 3	25°41	6°15	4°17	28°D26	27°45	15°33	23°16	S 5
M 6	10 56 4	15°48'40	27°38	27°27	13°39	26°22	25°16	19°10	25°41	6°15	4°17	28°27	27°41	15°40	23°17	M 6
T 7	11 0 0	16°48'31	11♋23	27°11	14°53	26°44	25°25	19°17	25°40	6°15	4°17	28°28	27°38	15°47	23°17	T 7
W 8	11 3 57	17°48'21	24°53	27° 2	16° 6	27° 6	25°34	19°24	25°40	6°R15	4°18	28°29	27°35	15°54	23°18	W 8
T 9	11 7 53	18°48'08	8♌ 9	26°D59	17°19	27°29	25°43	19°31	25°39	6°15	4°18	28°31	27°32	16° 0	23°19	T 9
F 10	11 11 50	19°47'52	21°13	27° 2	18°32	27°51	25°52	19°38	25°39	6°15	4°19	28°31	27°29	16° 7	23°20	F 10
S 11	11 15 46	20°47'35	4♍ 4	27°11	19°45	28°15	26° 1	19°45	25°38	6°15	4°19	28°R32	27°26	16°14	23°21	S 11
S 12	11 19 43	21°47'16	16°43	27°26	20°59	28°38	26°11	19°52	25°38	6°14	4°20	28°30	27°22	16°20	23°22	S 12
M13	11 23 39	22°46'54	29°10	27°45	22°12	29° 2	26°20	19°59	25°37	6°14	4°20	28°28	27°19	16°27	23°24	M13
T 14	11 27 36	23°46'31	11♎27	28°10	23°25	29°26	26°30	20° 6	25°36	6°14	4°21	28°25	27°16	16°34	23°25	T 14
W15	11 31 32	24°46'05	23°35	28°40	24°38	29°50	26°40	20°13	25°36	6°14	4°21	28°20	27°13	16°41	23°26	W15
T 16	11 35 29	25°45'38	5♏35	29°14	25°52	0♋14	26°49	20°20	25°35	6°14	4°22	28°15	27°10	16°47	23°28	T 16
F 17	11 39 26	26°45'09	17°29	29°52	27° 5	0°39	26°59	20°27	25°34	6°13	4°22	28°11	27° 6	16°54	23°29	F 17
S 18	11 43 22	27°44'38	29°22	0♓34	28°18	1° 4	27° 9	20°34	25°33	6°13	4°23	28° 7	27° 3	17° 1	23°31	S 18
S 19	11 47 19	28°44'05	11♐15	1°19	29°32	1°29	27°20	20°42	25°32	6°13	4°24	28° 4	27° 0	17° 7	23°33	S 19
M20	11 51 15	29°43'30	23°14	2° 8	0♓45	1°55	27°30	20°49	25°31	6°12	4°24	28° 2	26°57	17°14	23°35	M20
T 21	11 55 12	0♈42'54	5♑23	3° 1	1°58	2°20	27°40	20°56	25°30	6°12	4°25	28°D 2	26°54	17°21	23°36	T 21
W22	11 59 8	1°42'16	17°47	3°56	3°12	2°46	27°51	21° 4	25°29	6°11	4°26	28° 3	26°51	17°28	23°38	W22
T 23	12 3 5	2°41'36	0♒30	4°54	4°25	3°12	28° 1	21°11	25°28	6°11	4°26	28° 5	26°47	17°34	23°40	T 23
F 24	12 7 1	3°40'54	13°36	5°56	5°38	3°38	28°12	21°18	25°27	6°10	4°27	28° 6	26°44	17°41	23°43	F 24
S 25	12 10 58	4°40'11	27° 8	6°59	6°52	4° 5	28°23	21°26	25°25	6°10	4°28	28°R 7	26°41	17°48	23°45	S 25
S 26	12 14 55	5°39'25	11♓ 7	8° 5	8° 5	4°32	28°34	21°33	25°24	6° 9	4°29	28° 6	26°38	17°55	23°47	S 26
M27	12 18 51	6°38'38	25°30	9°14	9°18	4°59	28°45	21°41	25°23	6° 9	4°29	28° 4	26°35	18° 1	23°50	M27
T 28	12 22 48	7°37'48	10♈13	10°25	10°32	5°26	28°56	21°48	25°21	6° 8	4°30	28° 0	26°32	18° 8	23°52	T 28
W29	12 26 44	8°36'57	25°10	11°38	11°45	5°53	29° 7	21°56	25°20	6° 7	4°31	27°54	26°28	18°15	23°55	W29
T 30	12 30 41	9°36'03	10♉10	12°53	12°59	6°21	29°18	22° 3	25°19	6° 7	4°32	27°48	26°25	18°21	23°57	T 30
F 31	12 34 37	10♈35'08	25♉ 5	14♓10	14♓12	6♋48	29♉30	22♈11	25♏17	6♐ 6	4♊33	27♌41	26♌22	18♏28	24♊ 0	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7s32	2n44	3s54	8s24	3n10	18s35	0s11	26n 2	2n40	18n18	0s40	5n10	2s19	18s58	0n16	19s48	1n37	10n 0	11s13	12n 1	12n12	11s36	17n 4	6s15
T 2	7 9	7 20	4 40	8 51	2 58	18 19	0 14	26 2	2 39	18 20	0 40	5 13	2 19	18 58	0 16	19 48	1 37	10 0	11 13	12 1	12 13	11 37	17 5	6 15
F 3	6 46	11 30	5 8	9 17	2 46	18 3	0 17	26 2	2 38	18 23	0 39	5 15	2 18	18 58	0 16	19 48	1 37	10 1	11 12	12 2	12 15	11 39	17 5	6 14
S 4	6 23	14 56	5 16	9 42	2 33	17 46	0 20	26 2	2 37	18 25	0 39	5 18	2 18	18 58	0 16	19 48	1 37	10 1	11 12	12 2	12 16	11 41	17 5	6 14
S 5	6 0	17 26	5 5	10 4	2 19	17 28	0 23	26 1	2 36	18 27	0 39	5 21	2 18	18 58	0 16	19 48	1 37	10 1	11 12	12 2	12 17	11 43	17 6	6 13
M 6	5 36	18 52	4 36	10 25	2 5	17 10	0 26	26 1	2 35	18 29	0 39	5 23	2 18	18 58	0 16	19 48	1 37	10 2	11 12	12 2	12 18	11 44	17 6	6 13
T 7	5 13	19 9	3 52	10 44	1 51	16 52	0 29	26 1	2 34	18 32	0 39	5 26	2 18	18 58	0 16	19 47	1 37	10 2	11 11	12 2	12 19	11 46	17 7	6 12
W 8	4 50	18 19	2 55	11 1	1 36	16 33	0 31	26 0	2 33	18 34	0 38	5 29	2 18	18 58	0 16	19 47	1 37	10 2	11 11	12 1	12 20	11 48	17 7	6 12
T 9	4 26	16 29	1 50	11 16	1 22	16 13	0 34	26 0	2 32	18 36	0 38	5 31	2 18	18 57	0 16	19 47	1 38	10 3	11 11	12 1	12 21	11 50	17 8	6 11
F 10	4 3	13 49	0 40	11 28	1 7	15 53	0 37	25 59	2 31	18 39	0 38	5 34	2 17	18 57	0 16	19 47	1 38	10 3	11 11	12 1	12 22	11 51	17 8	6 11
S 11	3 39	10 31	0n30	11 38	0 53	15 33	0 40	25 59	2 30	18 41	0 38	5 37	2 17	18 57	0 16	19 47	1 38	10 3	11 10	12 1	12 23	11 53	17 9	6 11
S 12	3 16	6 46	1 38	11 46	0 39	15 12	0 42	25 58	2 29	18 43	0 38	5 40	2 17	18 57	0 16	19 47	1 38	10 4	11 10	12 1	12 24	11 55	17 9	6 10
M13	2 52	2 47	2 41	11 52	0 26	14 51	0 45	25 57	2 28	18 46	0 37	5 42	2 17	18 57	0 16	19 47	1 38	10 4	11 10	12 2	12 25	11 56	17 10	6 10
T 14	2 29	1s15	3 34	11 56	0 13	14 29	0 47	25 56	2 28	18 48	0 37	5 45	2 17	18 57	0 16	19 47	1 38	10 4	11 9	12 3	12 27	11 58	17 10	6 9
W15	2 5	5 11	4 17	11 57	0 0	14 7	0 50	25 56	2 27	18 51	0 37	5 48	2 17	18 56	0 16	19 47	1 38	10 5	11 9	12 4	12 28	12 0	17 11	6 9
T 16	1 41	8 52	4 49	11 57	0s12	13 44	0 52	25 55	2 26	18 53	0 37	5 51	2 17	18 56	0 16	19 47	1 38	10 5	11 9	12 6	12 29	12 2	17 11	6 8
F 17	1 18	12 10	5 7	11 55	0 24	13 21	0 54	25 54	2 25	18 56	0 37	5 54	2 17	18 56	0 16	19 47	1 38	10 6	11 9	12 8	12 30	12 3	17 12	6 8
S 18	0 54	14 58	5 13	11 50	0 35	12 58	0 57	25 53	2 24	18 58	0 36	5 56	2 17	18 56	0 16	19 47	1 38	10 6	11 8	12 9	12 31	12 5	17 12	6 7
S 19	0 30	17 8	5 4	11 44	0 46	12 35	0 59	25 51	2 23	19 1	0 36	5 59	2 17	18 56	0 16	19 47	1 38	10 6	11 8	12 10	12 32	12 7	17 13	6 7
M20	0 7	18 36	4 43	11 36	0 56	12 11	1 1	25 50	2 22	19 3	0 36	6 2	2 16	18 55	0 16	19 46	1 38	10 7	11 8	12 11	12 33	12 8	17 14	6 7
T 21	0n17	19 14	4 9	11 26	1 5	11 46	1 3	25 49	2 21	19 6	0 36	6 5	2 16	18 55	0 16	19 46	1 38	10 7	11 8	12 11	12 34	12 10	17 14	6 6
W22	0 41	18 57	3 22	11 15	1 15	11 22	1 5	25 47	2 20	19 8	0 36	6 8	2 16	18 55	0 16	19 46	1 38	10 7	11 7	12 10	12 35	12 12	17 15	6 6
T 23	1 4	17 43	2 25	11 1	1 23	10 57	1 7	25 46	2 19	19 11	0 36	6 10	2 16	18 55	0 16	19 46	1 38	10 8	11 7	12 10	12 36	12 14	17 15	6 5
F 24	1 28	15 31	1 18	10 46	1 32	10 32	1 9	25 44	2 18	19 13	0 35	6 13	2 16	18 54	0 16	19 46	1 38	10 8	11 7	12 9	12 37	12 15	17 16	6 5
S 25	1 52	12 24	0 5	10 30	1 39	10 6	1 11	25 43	2 18	19 16	0 35	6 16	2 16	18 54	0 16	19 46	1 38	10 8	11 7	12 9	12 39	12 17	17 16	6 4
S 26	2 15	8 30	1s10	10 12	1 46	9 40	1 13	25 41	2 17	19 18	0 35	6 19	2 16	18 54	0 16	19 46	1 38	10 9	11 6	12 9	12 40	12 19	17 17	6 4
M27	2 39	3 59	2 23	9 52	1 53	9 14	1 14	25 39	2 16	19 21	0 35	6 22	2 16	18 53	0 16	19 46	1 38	10 9	11 6	12 10	12 41	12 20	17 17	6 4
T 28	3 2	0n52	3 29	9 31	1 59	8 48	1 16	25 37	2 15	19 24	0 35	6 25	2 16	18 53	0 16	19 45	1 38	10 10	11 6	12 12	12 42	12 22	17 18	6 3
W29	3 25	5 43	4 20	9 8	2 5	8 22	1 17	25 35	2 14	19 26	0 34	6 27	2 16	18 53	0 16	19 45	1 38	10 10	11 6	12 14	12 43	12 24	17 18	6 3
T 30	3 49	10 14	4 55	8 44	2 10	7 55	1 19	25 33	2 13	19 29	0 34	6 30	2 16	18 52	0 16	19 45	1 38	10 10	11 6	12 16	12 44	12 25	17 19	6 2
F 31	4n12	14n 4	5s 9	8s19	2s14	7s28	1s20	25n31	2n12	19n31	0s34	6n33	2s16	18s52	0n16	19s45	1n39	10n11	11s 5	12n18	12n45	12s27	17n19	6s 2

Julian Day Number = 2321943.5, Delta T = 46.70 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'15, Lahiri = 18°54'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

APRIL 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 38 34	11♈34'10	9♊46	15♓29	15♓25	7♋16	29♉41	22♈18	25°R16	6°R 5	4♊34	27°R36	26♌19	18♏35	24♊ 3	S 1
S 2	12 42 30	12°33'09	24°10	16°50	16°39	7°44	29°53	22°26	25♏14	6♐ 4	4°35	27♌33	26°16	18°42	24° 5	S 2
M 3	12 46 27	13°32'07	8♋11	18°12	17°52	8°12	0♊ 4	22°33	25°12	6° 4	4°35	27°D31	26°12	18°48	24° 8	M 3
T 4	12 50 24	14°31'02	21°51	19°37	19° 6	8°41	0°16	22°41	25°11	6° 3	4°36	27°32	26° 9	18°55	24°11	T 4
W 5	12 54 20	15°29'54	5♌ 9	21° 3	20°19	9° 9	0°28	22°49	25° 9	6° 2	4°37	27°33	26° 6	19° 2	24°14	W 5
T 6	12 58 17	16°28'45	18°10	22°31	21°32	9°38	0°40	22°56	25° 7	6° 1	4°38	27°34	26° 3	19° 8	24°18	T 6
F 7	13 2 13	17°27'33	0♍55	24° 1	22°46	10° 7	0°51	23° 4	25° 6	6° 0	4°39	27°R34	26° 0	19°15	24°21	F 7
S 8	13 6 10	18°26'18	13°27	25°32	23°59	10°36	1° 3	23°11	25° 4	5°59	4°40	27°33	25°57	19°22	24°24	S 8
S 9	13 10 6	19°25'02	25°49	27° 5	25°13	11° 5	1°15	23°19	25° 2	5°58	4°41	27°29	25°53	19°29	24°27	S 9
M10	13 14 3	20°23'44	8♎ 2	28°40	26°26	11°34	1°28	23°27	25° 0	5°57	4°42	27°23	25°50	19°35	24°31	M10
T 11	13 17 59	21°22'23	20° 8	0♈16	27°39	12° 4	1°40	23°34	24°58	5°56	4°43	27°15	25°47	19°42	24°34	T 11
W12	13 21 56	22°21'01	2♏ 8	1°54	28°53	12°33	1°52	23°42	24°56	5°55	4°44	27° 5	25°44	19°49	24°38	W12
T 13	13 25 52	23°19'36	14° 4	3°33	0♈ 6	13° 3	2° 4	23°50	24°54	5°54	4°45	26°54	25°41	19°56	24°42	T 13
F 14	13 29 49	24°18'10	25°58	5°15	1°20	13°33	2°17	23°57	24°52	5°53	4°46	26°43	25°38	20° 2	24°45	F 14
S 15	13 33 46	25°16'42	7♐50	6°57	2°33	14° 3	2°29	24° 5	24°50	5°52	4°48	26°34	25°34	20° 9	24°49	S 15
S 16	13 37 42	26°15'13	19°43	8°42	3°46	14°33	2°42	24°12	24°48	5°51	4°49	26°26	25°31	20°16	24°53	S 16
M17	13 41 39	27°13'41	1♑42	10°28	5° 0	15° 3	2°54	24°20	24°46	5°50	4°50	26°20	25°28	20°22	24°57	M17
T 18	13 45 35	28°12'08	13°49	12°16	6°13	15°34	3° 7	24°28	24°44	5°48	4°51	26°17	25°25	20°29	25° 1	T 18
W19	13 49 32	29°10'34	26°10	14° 5	7°27	16° 4	3°20	24°35	24°42	5°47	4°52	26°D16	25°22	20°36	25° 5	W19
T 20	13 53 28	0♉ 8'57	8♒48	15°57	8°40	16°35	3°32	24°43	24°39	5°46	4°53	26°16	25°18	20°43	25° 9	T 20
F 21	13 57 25	1° 7'20	21°49	17°50	9°53	17° 6	3°45	24°51	24°37	5°45	4°54	26°R16	25°15	20°49	25°13	F 21
S 22	14 1 21	2° 5'40	5♓17	19°44	11° 7	17°36	3°58	24°58	24°35	5°44	4°55	26°16	25°12	20°56	25°17	S 22
S 23	14 5 18	3° 3'59	19°13	21°40	12°20	18° 7	4°11	25° 6	24°33	5°42	4°57	26°14	25° 9	21° 3	25°21	S 23
M24	14 9 15	4° 2'17	3♈38	23°38	13°34	18°38	4°24	25°13	24°30	5°41	4°58	26°10	25° 6	21° 9	25°25	M24
T 25	14 13 11	5° 0'32	18°28	25°38	14°47	19°10	4°37	25°21	24°28	5°40	4°59	26° 3	25° 3	21°16	25°30	T 25
W26	14 17 8	5°58'47	3♉36	27°39	16° 1	19°41	4°50	25°29	24°26	5°38	5° 0	25°54	24°59	21°23	25°34	W26
T 27	14 21 4	6°56'59	18°53	29°42	17°14	20°12	5° 3	25°36	24°23	5°37	5° 2	25°44	24°56	21°30	25°39	T 27
F 28	14 25 1	7°55'10	4♊ 6	1♉46	18°27	20°44	5°16	25°44	24°21	5°36	5° 3	25°34	24°53	21°36	25°43	F 28
S 29	14 28 57	8°53'19	19° 7	3°51	19°41	21°16	5°29	25°51	24°19	5°34	5° 4	25°25	24°50	21°43	25°48	S 29
S 30	14 32 54	9♉51'26	3♋45	5♉58	20♈54	21♋47	5♊42	25♈59	24♏16	5♐33	5♊ 5	25♌18	24♌47	21♏50	25♊52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n35	16n59	5s 2	7s52	2s18	7s 1	1s22	25n28	2n12	19n34	0s34	6n36	2s16	18s52	0n16	19s45	1n39	10n11	11s 5	12n20	12n46	12s29	17n20	6s 1
S 2	4 58	18 45	4 37	7 23	2 22	6 33	1 23	25 26	2 11	19 37	0 34	6 39	2 16	18 51	0 16	19 45	1 39	10 11	11 5	12 21	12 47	12 31	17 20	6 1
M 3	5 21	19 19	3 55	6 54	2 25	6 6	1 24	25 23	2 10	19 39	0 34	6 42	2 16	18 51	0 16	19 44	1 39	10 12	11 5	12 21	12 48	12 32	17 21	6 1
T 4	5 44	18 44	3 1	6 23	2 28	5 38	1 25	25 21	2 9	19 42	0 33	6 45	2 16	18 50	0 16	19 44	1 39	10 12	11 4	12 21	12 49	12 34	17 21	6 0
W 5	6 7	17 6	1 58	5 51	2 30	5 10	1 27	25 18	2 8	19 45	0 33	6 47	2 15	18 50	0 16	19 44	1 39	10 13	11 4	12 21	12 50	12 36	17 22	6 0
T 6	6 29	14 37	0 51	5 17	2 31	4 42	1 28	25 15	2 7	19 47	0 33	6 50	2 15	18 50	0 16	19 44	1 39	10 13	11 4	12 20	12 52	12 37	17 22	5 59
F 7	6 52	11 27	0n18	4 43	2 32	4 14	1 28	25 12	2 7	19 50	0 33	6 53	2 15	18 49	0 16	19 44	1 39	10 13	11 4	12 20	12 53	12 39	17 23	5 59
S 8	7 14	7 49	1 24	4 7	2 33	3 46	1 29	25 9	2 6	19 52	0 33	6 56	2 15	18 49	0 16	19 43	1 39	10 14	11 4	12 21	12 54	12 41	17 23	5 59
S 9	7 37	3 54	2 26	3 30	2 33	3 17	1 30	25 6	2 5	19 55	0 33	6 59	2 15	18 48	0 16	19 43	1 39	10 14	11 3	12 22	12 55	12 42	17 24	5 58
M10	7 59	0s 8	3 20	2 51	2 32	2 49	1 31	25 2	2 4	19 58	0 33	7 2	2 15	18 48	0 16	19 43	1 39	10 14	11 3	12 24	12 56	12 44	17 25	5 58
T 11	8 21	4 7	4 4	2 12	2 31	2 20	1 32	24 59	2 3	20 0	0 32	7 4	2 15	18 47	0 16	19 43	1 39	10 15	11 3	12 27	12 57	12 46	17 25	5 58
W12	8 43	7 55	4 36	1 32	2 29	1 51	1 32	24 55	2 3	20 3	0 32	7 7	2 15	18 47	0 16	19 43	1 39	10 15	11 3	12 30	12 58	12 47	17 26	5 57
T 13	9 5	11 22	4 57	0 50	2 27	1 23	1 33	24 52	2 2	20 5	0 32	7 10	2 15	18 46	0 16	19 42	1 39	10 15	11 3	12 34	12 59	12 49	17 26	5 57
F 14	9 26	14 21	5 4	0 7	2 25	0 54	1 33	24 48	2 1	20 8	0 32	7 13	2 15	18 46	0 16	19 42	1 39	10 16	11 2	12 38	13 0	12 51	17 27	5 57
S 15	9 48	16 45	4 58	0n36	2 21	0 25	1 33	24 44	2 0	20 11	0 32	7 16	2 15	18 45	0 16	19 42	1 39	10 16	11 2	12 41	13 1	12 52	17 27	5 56
S 16	10 9	18 26	4 40	1 21	2 18	0n 4	1 34	24 40	1 59	20 13	0 32	7 18	2 15	18 45	0 16	19 42	1 39	10 17	11 2	12 44	13 2	12 54	17 27	5 56
M17	10 30	19 20	4 9	2 6	2 14	0 33	1 34	24 36	1 59	20 16	0 32	7 21	2 15	18 44	0 16	19 41	1 39	10 17	11 2	12 46	13 3	12 56	17 28	5 55
T 18	10 51	19 21	3 26	2 53	2 9	1 2	1 34	24 31	1 58	20 18	0 31	7 24	2 15	18 44	0 16	19 41	1 39	10 17	11 2	12 47	13 4	12 57	17 28	5 55
W19	11 12	18 27	2 33	3 40	2 4	1 31	1 34	24 27	1 57	20 21	0 31	7 27	2 15	18 43	0 16	19 41	1 39	10 18	11 1	12 47	13 5	12 59	17 29	5 55
T 20	11 33	16 37	1 32	4 28	1 58	2 0	1 34	24 23	1 56	20 23	0 31	7 30	2 15	18 43	0 16	19 41	1 39	10 18	11 1	12 47	13 7	13 1	17 29	5 54
F 21	11 53	13 53	0 24	5 17	1 52	2 29	1 34	24 18	1 56	20 26	0 31	7 32	2 15	18 42	0 16	19 40	1 39	10 18	11 1	12 47	13 8	13 2	17 30	5 54
S 22	12 13	10 20	0s48	6 7	1 45	2 58	1 34	24 13	1 55	20 29	0 31	7 35	2 15	18 42	0 16	19 40	1 39	10 19	11 1	12 47	13 9	13 4	17 30	5 54
S 23	12 33	6 6	1 59	6 57	1 38	3 27	1 34	24 8	1 54	20 31	0 31	7 38	2 15	18 41	0 16	19 40	1 39	10 19	11 1	12 48	13 10	13 6	17 31	5 54
M24	12 53	1 23	3 5	7 48	1 30	3 55	1 34	24 3	1 53	20 34	0 31	7 41	2 15	18 41	0 16	19 40	1 39	10 20	11 1	12 49	13 11	13 7	17 31	5 53
T 25	13 13	3n33	4 0	8 39	1 22	4 24	1 33	23 58	1 52	20 36	0 30	7 43	2 15	18 40	0 16	19 39	1 39	10 20	11 0	12 52	13 12	13 9	17 32	5 53
W26	13 32	8 21	4 40	9 31	1 14	4 53	1 33	23 53	1 52	20 39	0 30	7 46	2 15	18 40	0 16	19 39	1 39	10 20	11 0	12 55	13 13	13 11	17 32	5 53
T 27	13 52	12 40	5 0	10 22	1 5	5 21	1 32	23 47	1 51	20 41	0 30	7 49	2 15	18 39	0 16	19 39	1 39	10 21	11 0	12 58	13 14	13 12	17 33	5 52
F 28	14 10	16 7	4 59	11 14	0 55	5 50	1 32	23 42	1 50	20 44	0 30	7 51	2 15	18 38	0 16	19 39	1 39	10 21	11 0	13 1	13 15	13 14	17 33	5 52
S 29	14 29	18 26	4 37	12 6	0 46	6 18	1 31	23 36	1 50	20 46	0 30	7 54	2 16	18 38	0 16	19 38	1 39	10 21	11 0	13 4	13 16	13 16	17 33	5 52
S 30	14n48	19n29	3s57	12n58	0s36	6n46	1s31	23n30	1n49	20n49	0s30	7n57	2s16	18s37	0n16	19s38	1n40	10n22	11s 0	13n 7	13n17	13s17	17n34	5s51

Julian Day Number = 2321974.5, Delta T = 46.64 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'20, Lahiri = 18°54'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

MAY 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 36 50	10♉49'31	17♋58	8♉ 6	22♈ 8	22♋19	5♊56	26♈ 6	24°R14	5°R31	5♊ 7	25°R14	24♌43	21♏57	25♊57	M 1
T 2	14 40 47	11°47'34	1♌42	10°15	23°21	22°51	6° 9	26°14	24♏12	5♐30	5° 8	25♌13	24°40	22° 3	26° 2	T 2
W 3	14 44 44	12°45'35	15° 1	12°25	24°35	23°23	6°22	26°21	24° 9	5°28	5° 9	25°D12	24°37	22°10	26° 7	W 3
T 4	14 48 40	13°43'34	27°57	14°35	25°48	23°55	6°36	26°28	24° 7	5°27	5°10	25°R13	24°34	22°17	26°11	T 4
F 5	14 52 37	14°41'31	10♍33	16°45	27° 1	24°27	6°49	26°36	24° 4	5°25	5°12	25°12	24°31	22°23	26°16	F 5
S 6	14 56 33	15°39'26	22°55	18°56	28°15	25° 0	7° 2	26°43	24° 2	5°24	5°13	25° 9	24°28	22°30	26°21	S 6
S 7	15 0 30	16°37'20	5♎ 6	21° 6	29°28	25°32	7°16	26°51	23°59	5°22	5°14	25° 4	24°24	22°37	26°26	S 7
M 8	15 4 26	17°35'12	17° 9	23°16	0♉42	26° 5	7°29	26°58	23°57	5°21	5°16	24°56	24°21	22°44	26°31	M 8
T 9	15 8 23	18°33'02	29° 7	25°26	1°55	26°37	7°43	27° 5	23°54	5°19	5°17	24°45	24°18	22°50	26°36	T 9
W10	15 12 19	19°30'51	11♏ 2	27°34	3° 8	27°10	7°56	27°13	23°52	5°18	5°18	24°32	24°15	22°57	26°41	W10
T 11	15 16 16	20°28'38	22°55	29°41	4°22	27°43	8°10	27°20	23°49	5°16	5°20	24°18	24°12	23° 4	26°46	T 11
F 12	15 20 13	21°26'24	4♐47	1♊46	5°35	28°15	8°24	27°27	23°47	5°15	5°21	24° 4	24° 9	23°10	26°52	F 12
S 13	15 24 9	22°24'09	16°41	3°49	6°49	28°48	8°37	27°34	23°44	5°13	5°22	23°52	24° 5	23°17	26°57	S 13
S 14	15 28 6	23°21'52	28°38	5°51	8° 2	29°21	8°51	27°41	23°42	5°12	5°24	23°41	24° 2	23°24	27° 2	S 14
M15	15 32 2	24°19'34	10♑40	7°50	9°16	29°54	9° 5	27°49	23°39	5°10	5°25	23°33	23°59	23°31	27° 7	M15
T 16	15 35 59	25°17'15	22°50	9°46	10°29	0♌27	9°18	27°56	23°37	5° 8	5°26	23°28	23°56	23°37	27°13	T 16
W17	15 39 55	26°14'55	5♒12	11°41	11°42	1° 1	9°32	28° 3	23°34	5° 7	5°28	23°25	23°53	23°44	27°18	W17
T 18	15 43 52	27°12'33	17°49	13°32	12°56	1°34	9°46	28°10	23°32	5° 5	5°29	23°25	23°49	23°51	27°23	T 18
F 19	15 47 48	28°10'11	0♓47	15°21	14° 9	2° 7	10° 0	28°17	23°29	5° 4	5°30	23°25	23°46	23°58	27°29	F 19
S 20	15 51 45	29° 7'48	14° 8	17° 7	15°23	2°41	10°13	28°24	23°27	5° 2	5°32	23°24	23°43	24° 4	27°34	S 20
S 21	15 55 42	0♊ 5'24	27°57	18°50	16°36	3°14	10°27	28°31	23°24	5° 0	5°33	23°22	23°40	24°11	27°40	S 21
M22	15 59 38	1° 2'59	12♈13	20°30	17°50	3°48	10°41	28°37	23°22	4°59	5°34	23°18	23°37	24°18	27°45	M22
T 23	16 3 35	2° 0'33	26°56	22° 8	19° 3	4°21	10°55	28°44	23°19	4°57	5°36	23°11	23°34	24°24	27°51	T 23
W24	16 7 31	2°58'06	12♉ 0	23°42	20°16	4°55	11° 9	28°51	23°17	4°56	5°37	23° 1	23°30	24°31	27°57	W24
T 25	16 11 28	3°55'38	27°17	25°13	21°30	5°29	11°22	28°58	23°14	4°54	5°39	22°51	23°27	24°38	28° 2	T 25
F 26	16 15 24	4°53'09	12♊34	26°41	22°43	6° 3	11°36	29° 5	23°12	4°52	5°40	22°41	23°24	24°45	28° 8	F 26
S 27	16 19 21	5°50'39	27°42	28° 6	23°57	6°37	11°50	29°11	23°10	4°51	5°41	22°31	23°21	24°51	28°14	S 27
S 28	16 23 17	6°48'08	12♋30	29°28	25°10	7°11	12° 4	29°18	23° 7	4°49	5°43	22°24	23°18	24°58	28°19	S 28
M29	16 27 14	7°45'36	26°52	0♌47	26°24	7°45	12°18	29°24	23° 5	4°47	5°44	22°20	23°15	25° 5	28°25	M29
T 30	16 31 11	8°43'03	10♌45	2° 2	27°37	8°19	12°32	29°31	23° 2	4°46	5°45	22°18	23°11	25°12	28°31	T 30
W31	16 35 7	9♊40'28	24♌ 9	3♋14	28♉51	8♌53	12♊46	29♈37	23♏ 0	4♐44	5♊47	22°D17	23♌ 8	25♏18	28♊37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15n 6	19n14	3s 4	13n50	0s26	7n14	1s30	23n24	1n48	20n51	0s30	7n59	2s16	18s37	0n16	19s38	1n40	10n22	11s 0	13n 8	13n18	13s19	17n34	5s51
T 2	15 24	17 51	2 1	14 40	0 15	7 42	1 29	23 18	1 47	20 53	0 30	8 2	2 16	18 36	0 16	19 38	1 40	10 22	10 59	13 8	13 19	13 21	17 35	5 51
W 3	15 42	15 30	0 54	15 31	0 5	8 10	1 28	23 12	1 47	20 56	0 29	8 5	2 16	18 36	0 16	19 37	1 40	10 23	10 59	13 9	13 20	13 22	17 35	5 51
T 4	15 59	12 26	0n15	16 20	0n 6	8 38	1 27	23 6	1 46	20 58	0 29	8 7	2 16	18 35	0 16	19 37	1 40	10 23	10 59	13 9	13 21	13 24	17 35	5 50
F 5	16 17	8 52	1 20	17 8	0 16	9 5	1 26	23 0	1 45	21 1	0 29	8 10	2 16	18 34	0 16	19 37	1 40	10 23	10 59	13 9	13 23	13 26	17 36	5 50
S 6	16 33	4 58	2 21	17 55	0 27	9 32	1 25	22 53	1 44	21 3	0 29	8 13	2 16	18 34	0 16	19 37	1 40	10 24	10 59	13 10	13 24	13 27	17 36	5 50
S 7	16 50	0 56	3 14	18 40	0 37	9 59	1 24	22 46	1 44	21 5	0 29	8 15	2 16	18 33	0 16	19 36	1 40	10 24	10 59	13 11	13 25	13 29	17 37	5 50
M 8	17 7	3s 5	3 58	19 23	0 47	10 26	1 23	22 40	1 43	21 8	0 29	8 18	2 16	18 33	0 16	19 36	1 40	10 24	10 59	13 14	13 26	13 31	17 37	5 49
T 9	17 23	6 58	4 31	20 5	0 57	10 53	1 22	22 33	1 42	21 10	0 29	8 20	2 16	18 32	0 16	19 36	1 40	10 25	10 59	13 18	13 27	13 32	17 37	5 49
W10	17 39	10 33	4 51	20 44	1 7	11 19	1 21	22 26	1 42	21 12	0 29	8 23	2 16	18 31	0 16	19 35	1 40	10 25	10 59	13 22	13 28	13 34	17 38	5 49
T 11	17 54	13 42	4 59	21 21	1 16	11 45	1 19	22 18	1 41	21 15	0 28	8 25	2 16	18 31	0 16	19 35	1 40	10 25	10 58	13 27	13 29	13 35	17 38	5 49
F 12	18 9	16 18	4 54	21 56	1 24	12 11	1 18	22 11	1 40	21 17	0 28	8 28	2 16	18 30	0 16	19 35	1 40	10 26	10 58	13 31	13 30	13 37	17 38	5 49
S 13	18 24	18 14	4 37	22 28	1 32	12 36	1 17	22 4	1 40	21 19	0 28	8 30	2 16	18 30	0 15	19 35	1 40	10 26	10 58	13 35	13 31	13 39	17 39	5 48
S 14	18 39	19 22	4 6	22 57	1 40	13 2	1 15	21 56	1 39	21 21	0 28	8 33	2 16	18 29	0 15	19 34	1 40	10 26	10 58	13 39	13 32	13 40	17 39	5 48
M15	18 53	19 39	3 25	23 24	1 47	13 27	1 14	21 48	1 38	21 23	0 28	8 35	2 17	18 28	0 15	19 34	1 40	10 26	10 58	13 42	13 33	13 42	17 39	5 48
T 16	19 7	19 1	2 34	23 49	1 53	13 51	1 12	21 41	1 37	21 26	0 28	8 38	2 17	18 28	0 15	19 34	1 40	10 27	10 58	13 43	13 34	13 44	17 39	5 48
W17	19 21	17 28	1 35	24 11	1 58	14 15	1 10	21 33	1 37	21 28	0 28	8 40	2 17	18 27	0 15	19 33	1 40	10 27	10 58	13 44	13 35	13 45	17 40	5 48
T 18	19 34	15 3	0 30	24 30	2 3	14 39	1 9	21 25	1 36	21 30	0 28	8 43	2 17	18 26	0 15	19 33	1 40	10 27	10 58	13 44	13 36	13 47	17 40	5 48
F 19	19 47	11 49	0s39	24 46	2 7	15 3	1 7	21 16	1 35	21 32	0 28	8 45	2 17	18 26	0 15	19 33	1 40	10 28	10 58	13 44	13 37	13 48	17 40	5 47
S 20	20 0	7 54	1 47	25 1	2 10	15 26	1 5	21 8	1 35	21 34	0 27	8 47	2 17	18 25	0 15	19 32	1 40	10 28	10 58	13 45	13 38	13 50	17 40	5 47
S 21	20 12	3 27	2 52	25 12	2 12	15 49	1 3	21 0	1 34	21 36	0 27	8 50	2 17	18 25	0 15	19 32	1 40	10 28	10 58	13 45	13 39	13 52	17 41	5 47
M22	20 24	1n21	3 48	25 22	2 14	16 11	1 2	20 51	1 33	21 38	0 27	8 52	2 17	18 24	0 15	19 32	1 40	10 29	10 58	13 47	13 40	13 53	17 41	5 47
T 23	20 36	6 12	4 30	25 29	2 14	16 33	1 0	20 42	1 33	21 40	0 27	8 54	2 17	18 23	0 15	19 32	1 40	10 29	10 58	13 49	13 41	13 55	17 41	5 47
W24	20 47	10 47	4 55	25 34	2 14	16 55	0 58	20 34	1 32	21 42	0 27	8 57	2 17	18 23	0 15	19 31	1 40	10 29	10 57	13 52	13 43	13 57	17 41	5 47
T 25	20 58	14 43	5 0	25 37	2 13	17 16	0 56	20 25	1 31	21 44	0 27	8 59	2 18	18 22	0 15	19 31	1 40	10 29	10 57	13 55	13 44	13 58	17 42	5 47
F 26	21 9	17 40	4 43	25 38	2 12	17 37	0 54	20 16	1 31	21 46	0 27	9 1	2 18	18 22	0 15	19 31	1 40	10 30	10 57	13 59	13 45	14 0	17 42	5 46
S 27	21 19	19 21	4 7	25 37	2 9	17 57	0 52	20 6	1 30	21 48	0 27	9 3	2 18	18 21	0 15	19 30	1 40	10 30	10 57	14 2	13 46	14 1	17 42	5 46
S 28	21 29	19 40	3 14	25 35	2 6	18 17	0 50	19 57	1 29	21 50	0 27	9 6	2 18	18 20	0 15	19 30	1 40	10 30	10 57	14 4	13 47	14 3	17 42	5 46
M29	21 39	18 41	2 10	25 31	2 2	18 37	0 48	19 48	1 29	21 52	0 27	9 8	2 18	18 20	0 15	19 30	1 40	10 30	10 57	14 6	13 48	14 5	17 42	5 46
T 30	21 48	16 36	1 1	25 25	1 57	18 56	0 46	19 38	1 28	21 54	0 26	9 10	2 18	18 19	0 15	19 30	1 40	10 31	10 57	14 6	13 49	14 6	17 42	5 46
W31	21n57	13n39	0n10	25n18	1n51	19n14	0s43	19n29	1n27	21n56	0s26	9n12	2s18	18s19	0n15	19s29	1n40	10n31	10s57	14n 6	13n50	14s 8	17n43	5s46

Julian Day Number = 2322004.5, Delta T = 46.58 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'24, Lahiri = 18°54'24Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1645
geocentric

JUNE 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 39 4	10♊37'52	7♍ 8	4♋23	0♊ 4	9♌27	13♊ 0	29♈44	22°R58	4°R43	5♊48	22°R17	23♌ 5	25♏25	28♊42	T 1
F 2	16 43 0	11°35'15	19°44	5°28	1°18	10° 2	13°13	29°50	22♏55	4♐41	5°49	22♌17	23° 2	25°32	28°48	F 2
S 3	16 46 57	12°32'37	2♎ 4	6°30	2°31	10°36	13°27	29°57	22°53	4°39	5°51	22°15	22°59	25°38	28°54	S 3
S 4	16 50 53	13°29'58	14°11	7°28	3°45	11°11	13°41	0♉ 3	22°51	4°38	5°52	22°12	22°55	25°45	29° 0	S 4
M 5	16 54 50	14°27'18	26° 9	8°23	4°58	11°45	13°55	0° 9	22°48	4°36	5°54	22° 5	22°52	25°52	29° 6	M 5
T 6	16 58 46	15°24'36	8♏ 3	9°14	6°12	12°20	14° 9	0°15	22°46	4°35	5°55	21°56	22°49	25°59	29°12	T 6
W 7	17 2 43	16°21'54	19°55	10° 1	7°25	12°54	14°23	0°21	22°44	4°33	5°56	21°45	22°46	26° 5	29°18	W 7
T 8	17 6 40	17°19'12	1♐48	10°45	8°39	13°29	14°37	0°27	22°42	4°31	5°58	21°34	22°43	26°12	29°23	T 8
F 9	17 10 36	18°16'28	13°43	11°24	9°52	14° 4	14°51	0°33	22°40	4°30	5°59	21°22	22°40	26°19	29°29	F 9
S 10	17 14 33	19°13'44	25°42	11°59	11° 6	14°39	15° 4	0°39	22°37	4°28	6° 0	21°11	22°36	26°25	29°35	S 10
S 11	17 18 29	20°10'59	7♑46	12°30	12°19	15°13	15°18	0°45	22°35	4°27	6° 2	21° 2	22°33	26°32	29°41	S 11
M12	17 22 26	21° 8'14	19°57	12°57	13°33	15°48	15°32	0°51	22°33	4°25	6° 3	20°56	22°30	26°39	29°47	M12
T 13	17 26 22	22° 5'29	2♒16	13°19	14°46	16°23	15°46	0°57	22°31	4°24	6° 4	20°52	22°27	26°46	29°53	T 13
W14	17 30 19	23° 2'43	14°46	13°37	16° 0	16°58	16° 0	1° 3	22°29	4°22	6° 6	20°50	22°24	26°52	29°59	W14
T 15	17 34 15	23°59'56	27°30	13°50	17°14	17°33	16°14	1° 8	22°27	4°21	6° 7	20°D50	22°21	26°59	0♋ 5	T 15
F 16	17 38 12	24°57'10	10♓31	13°59	18°27	18° 9	16°27	1°14	22°25	4°19	6° 8	20°51	22°17	27° 6	0°11	F 16
S 17	17 42 9	25°54'23	23°51	14°R 3	19°41	18°44	16°41	1°19	22°23	4°18	6°10	20°R51	22°14	27°13	0°17	S 17
S 18	17 46 5	26°51'37	7♈34	14° 3	20°54	19°19	16°55	1°25	22°21	4°16	6°11	20°51	22°11	27°19	0°23	S 18
M19	17 50 2	27°48'50	21°40	13°58	22° 8	19°54	17° 9	1°30	22°19	4°15	6°12	20°49	22° 8	27°26	0°29	M19
T 20	17 53 58	28°46'03	6♉ 9	13°49	23°22	20°30	17°22	1°35	22°17	4°13	6°14	20°44	22° 5	27°33	0°36	T 20
W21	17 57 55	29°43'17	20°58	13°35	24°35	21° 5	17°36	1°41	22°16	4°12	6°15	20°38	22° 1	27°39	0°42	W21
T 22	18 1 51	0♋40'30	5♊59	13°18	25°49	21°41	17°50	1°46	22°14	4°10	6°16	20°31	21°58	27°46	0°48	T 22
F 23	18 5 48	1°37'43	21° 4	12°56	27° 2	22°16	18° 3	1°51	22°12	4° 9	6°17	20°24	21°55	27°53	0°54	F 23
S 24	18 9 44	2°34'57	6♋ 3	12°31	28°16	22°52	18°17	1°56	22°10	4° 8	6°19	20°17	21°52	28° 0	1° 0	S 24
S 25	18 13 41	3°32'10	20°48	12° 3	29°30	23°28	18°31	2° 1	22° 9	4° 6	6°20	20°13	21°49	28° 6	1° 6	S 25
M26	18 17 38	4°29'23	5♌10	11°31	0♋44	24° 3	18°44	2° 6	22° 7	4° 5	6°21	20°10	21°46	28°13	1°12	M26
T 27	18 21 34	5°26'35	19° 6	10°58	1°57	24°39	18°58	2°10	22° 5	4° 4	6°22	20°D 9	21°42	28°20	1°18	T 27
W28	18 25 31	6°23'47	2♍36	10°23	3°11	25°15	19°11	2°15	22° 4	4° 2	6°24	20° 9	21°39	28°27	1°24	W28
T 29	18 29 27	7°20'59	15°39	9°46	4°25	25°51	19°25	2°20	22° 2	4° 1	6°25	20°11	21°36	28°33	1°30	T 29
F 30	18 33 24	8♋18'11	28♍19	9♋ 9	5♋38	26♌27	19♊38	2♉24	22♏ 1	4♐ 0	6♊26	20♌12	21♌33	28♏40	1♋36	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 5	10n 7	1n18	25n 9	1n45	19n32	0s41	19n19	1n27	21n58	0s26	9n14	2s18	18s18	0n15	19s29	1n40	10n31	10s57	14n 6	13n51	14s 9	17n43	5s46
F 2	22 13	6 13	2 20	25 0	1 37	19 49	0 39	19 9	1 26	22 0	0 26	9 16	2 19	18 17	0 15	19 29	1 40	10 31	10 57	14 6	13 52	14 11	17 43	5 46
S 3	22 21	2 9	3 15	24 49	1 29	20 6	0 37	18 59	1 25	22 2	0 26	9 18	2 19	18 17	0 15	19 28	1 40	10 32	10 57	14 7	13 53	14 13	17 43	5 46
S 4	22 28	1s56	3 59	24 37	1 21	20 22	0 34	18 49	1 25	22 3	0 26	9 20	2 19	18 16	0 15	19 28	1 40	10 32	10 57	14 8	13 54	14 14	17 43	5 46
M 5	22 35	5 53	4 32	24 24	1 11	20 38	0 32	18 38	1 24	22 5	0 26	9 23	2 19	18 16	0 15	19 28	1 40	10 32	10 57	14 10	13 55	14 16	17 43	5 46
T 6	22 41	9 35	4 54	24 11	1 1	20 53	0 30	18 28	1 24	22 7	0 26	9 25	2 19	18 15	0 15	19 28	1 40	10 32	10 57	14 13	13 56	14 17	17 43	5 46
W 7	22 47	12 54	5 2	23 56	0 50	21 8	0 28	18 18	1 23	22 9	0 26	9 27	2 19	18 15	0 15	19 27	1 40	10 33	10 57	14 17	13 57	14 19	17 43	5 46
T 8	22 53	15 42	4 58	23 41	0 39	21 22	0 25	18 7	1 22	22 10	0 26	9 28	2 20	18 14	0 15	19 27	1 40	10 33	10 57	14 21	13 58	14 20	17 43	5 45
F 9	22 58	17 51	4 40	23 26	0 26	21 36	0 23	17 56	1 22	22 12	0 25	9 30	2 20	18 14	0 15	19 27	1 40	10 33	10 57	14 24	13 59	14 22	17 43	5 45
S 10	23 3	19 15	4 10	23 10	0 13	21 48	0 21	17 46	1 21	22 14	0 25	9 32	2 20	18 13	0 15	19 27	1 40	10 33	10 57	14 28	14 0	14 24	17 44	5 45
S 11	23 7	19 47	3 29	22 54	0s 0	22 1	0 18	17 35	1 20	22 15	0 25	9 34	2 20	18 12	0 15	19 26	1 40	10 33	10 57	14 31	14 1	14 25	17 44	5 45
M12	23 11	19 24	2 37	22 37	0 14	22 12	0 16	17 24	1 20	22 17	0 25	9 36	2 20	18 12	0 15	19 26	1 39	10 34	10 57	14 33	14 2	14 27	17 44	5 45
T 13	23 15	18 6	1 38	22 20	0 29	22 23	0 13	17 13	1 19	22 18	0 25	9 38	2 20	18 11	0 15	19 26	1 39	10 34	10 57	14 34	14 3	14 28	17 44	5 45
W14	23 18	15 55	0 32	22 4	0 44	22 34	0 11	17 1	1 18	22 20	0 25	9 40	2 20	18 11	0 15	19 26	1 39	10 34	10 57	14 35	14 4	14 30	17 44	5 45
T 15	23 21	12 55	0s36	21 47	0 59	22 43	0 9	16 50	1 18	22 21	0 25	9 42	2 21	18 10	0 15	19 25	1 39	10 34	10 57	14 35	14 5	14 32	17 44	5 45
F 16	23 23	9 14	1 44	21 30	1 15	22 53	0 6	16 39	1 17	22 23	0 25	9 43	2 21	18 10	0 15	19 25	1 39	10 34	10 57	14 34	14 6	14 33	17 44	5 45
S 17	23 25	5 1	2 48	21 14	1 31	23 1	0 4	16 27	1 16	22 24	0 25	9 45	2 21	18 9	0 15	19 25	1 39	10 34	10 57	14 34	14 7	14 35	17 43	5 46
S 18	23 27	0 25	3 44	20 58	1 47	23 9	0 1	16 15	1 16	22 26	0 25	9 47	2 21	18 9	0 15	19 25	1 39	10 35	10 57	14 34	14 9	14 36	17 43	5 46
M19	23 28	4n19	4 28	20 42	2 4	23 16	0n 1	16 4	1 15	22 27	0 25	9 48	2 21	18 9	0 15	19 24	1 39	10 35	10 57	14 35	14 10	14 38	17 43	5 46
T 20	23 29	8 55	4 57	20 27	2 20	23 22	0 3	15 52	1 15	22 28	0 25	9 50	2 22	18 8	0 15	19 24	1 39	10 35	10 58	14 36	14 11	14 39	17 43	5 46
W21	23 29	13 6	5 7	20 12	2 36	23 28	0 6	15 40	1 14	22 30	0 24	9 52	2 22	18 8	0 15	19 24	1 39	10 35	10 58	14 38	14 12	14 41	17 43	5 46
T 22	23 29	16 29	4 56	19 58	2 52	23 33	0 8	15 28	1 13	22 31	0 24	9 53	2 22	18 7	0 15	19 24	1 39	10 35	10 58	14 41	14 13	14 42	17 43	5 46
F 23	23 28	18 47	4 24	19 45	3 7	23 37	0 10	15 16	1 13	22 32	0 24	9 55	2 22	18 7	0 15	19 23	1 39	10 35	10 58	14 43	14 14	14 44	17 43	5 46
S 24	23 27	19 46	3 35	19 32	3 22	23 41	0 13	15 3	1 12	22 34	0 24	9 56	2 22	18 6	0 15	19 23	1 39	10 36	10 58	14 45	14 15	14 46	17 43	5 46
S 25	23 26	19 22	2 32	19 21	3 36	23 44	0 15	14 51	1 11	22 35	0 24	9 58	2 23	18 6	0 15	19 23	1 39	10 36	10 58	14 46	14 16	14 47	17 43	5 46
M26	23 24	17 43	1 20	19 11	3 49	23 46	0 17	14 38	1 11	22 36	0 24	9 59	2 23	18 6	0 15	19 23	1 39	10 36	10 58	14 47	14 17	14 49	17 43	5 46
T 27	23 22	15 2	0 6	19 1	4 1	23 48	0 20	14 26	1 10	22 37	0 24	10 1	2 23	18 5	0 15	19 23	1 39	10 36	10 58	14 48	14 18	14 50	17 42	5 46
W28	23 20	11 37	1n 7	18 53	4 12	23 49	0 22	14 13	1 10	22 39	0 24	10 2	2 23	18 5	0 15	19 22	1 39	10 36	10 58	14 48	14 19	14 52	17 42	5 46
T 29	23 17	7 43	2 14	18 46	4 22	23 49	0 24	14 0	1 9	22 40	0 24	10 4	2 23	18 4	0 15	19 22	1 39	10 36	10 58	14 47	14 20	14 53	17 42	5 46
F 30	23n13	3n36	3n12	18n40	4s31	23n48	0n27	13n48	1n 8	22n41	0s24	10n 5	2s24	18s 4	0n15	19s22	1n39	10n36	10s58	14n47	14n21	14s55	17n42	5s46

Julian Day Number = 2322035.5, Delta T = 46.52 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'28, Lahiri = 18°54'28Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

JULY 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 37 20	9♋15'22	10♎41	8°R32	6♋52	27♌ 3	19♊52	2♉29	21°R59	3°R58	6♊27	20°R12	21♌30	28♏47	1♋42	S 1
S 2	18 41 17	10°12'33	22°49	7♋55	8° 6	27°39	20° 5	2°33	21♏58	3♐57	6°28	20♌11	21°27	28°53	1°48	S 2
M 3	18 45 13	11° 9'45	4♏48	7°20	9°20	28°15	20°19	2°38	21°57	3°56	6°29	20° 9	21°23	29° 0	1°54	M 3
T 4	18 49 10	12° 6'56	16°41	6°47	10°33	28°51	20°32	2°42	21°55	3°55	6°31	20° 5	21°20	29° 7	2° 0	T 4
W 5	18 53 7	13° 4'07	28°33	6°16	11°47	29°27	20°45	2°46	21°54	3°54	6°32	19°59	21°17	29°14	2° 6	W 5
T 6	18 57 3	14° 1'18	10♐28	5°48	13° 1	0♍ 3	20°59	2°50	21°53	3°52	6°33	19°53	21°14	29°20	2°12	T 6
F 7	19 1 0	14°58'29	22°27	5°24	14°15	0°40	21°12	2°54	21°52	3°51	6°34	19°47	21°11	29°27	2°18	F 7
S 8	19 4 56	15°55'40	4♑33	5° 4	15°28	1°16	21°25	2°58	21°51	3°50	6°35	19°41	21° 7	29°34	2°24	S 8
S 9	19 8 53	16°52'52	16°47	4°49	16°42	1°52	21°38	3° 2	21°49	3°49	6°36	19°36	21° 4	29°40	2°30	S 9
M10	19 12 49	17°50'04	29°11	4°38	17°56	2°29	21°51	3° 5	21°48	3°48	6°37	19°33	21° 1	29°47	2°36	M10
T 11	19 16 46	18°47'16	11♒46	4°32	19°10	3° 5	22° 4	3° 9	21°47	3°47	6°38	19°32	20°58	29°54	2°42	T 11
W12	19 20 43	19°44'29	24°32	4°D31	20°24	3°42	22°17	3°13	21°46	3°46	6°39	19°D31	20°55	0♐ 1	2°48	W12
T 13	19 24 39	20°41'42	7♓32	4°36	21°38	4°19	22°30	3°16	21°46	3°45	6°40	19°32	20°52	0° 7	2°54	T 13
F 14	19 28 36	21°38'56	20°45	4°46	22°51	4°55	22°43	3°20	21°45	3°44	6°42	19°34	20°48	0°14	3° 0	F 14
S 15	19 32 32	22°36'11	4♈14	5° 2	24° 5	5°32	22°56	3°23	21°44	3°43	6°43	19°35	20°45	0°21	3° 6	S 15
S 16	19 36 29	23°33'27	17°58	5°24	25°19	6° 9	23° 9	3°26	21°43	3°42	6°44	19°R36	20°42	0°28	3°11	S 16
M17	19 40 25	24°30'43	2♉ 0	5°52	26°33	6°45	23°22	3°29	21°42	3°41	6°45	19°36	20°39	0°34	3°17	M17
T 18	19 44 22	25°28'01	16°17	6°25	27°47	7°22	23°34	3°32	21°42	3°40	6°45	19°35	20°36	0°41	3°23	T 18
W19	19 48 18	26°25'19	0♊47	7° 4	29° 1	7°59	23°47	3°35	21°41	3°40	6°46	19°33	20°32	0°48	3°29	W19
T 20	19 52 15	27°22'38	15°25	7°48	0♌15	8°36	24° 0	3°38	21°41	3°39	6°47	19°30	20°29	0°54	3°35	T 20
F 21	19 56 12	28°19'59	0♋ 6	8°39	1°29	9°13	24°12	3°41	21°40	3°38	6°48	19°27	20°26	1° 1	3°40	F 21
S 22	20 0 8	29°17'20	14°44	9°35	2°43	9°50	24°25	3°43	21°40	3°37	6°49	19°25	20°23	1° 8	3°46	S 22
S 23	20 4 5	0♌14'42	29°11	10°36	3°57	10°27	24°37	3°46	21°39	3°37	6°50	19°23	20°20	1°15	3°52	S 23
M24	20 8 1	1°12'04	13♌21	11°43	5°11	11° 4	24°50	3°48	21°39	3°36	6°51	19°D22	20°17	1°21	3°57	M24
T 25	20 11 58	2° 9'28	27°11	12°55	6°25	11°42	25° 2	3°51	21°38	3°35	6°52	19°22	20°13	1°28	4° 3	T 25
W26	20 15 54	3° 6'52	10♍38	14°12	7°39	12°19	25°14	3°53	21°38	3°35	6°53	19°23	20°10	1°35	4° 9	W26
T 27	20 19 51	4° 4'17	23°43	15°34	8°53	12°56	25°26	3°55	21°38	3°34	6°54	19°24	20° 7	1°41	4°14	T 27
F 28	20 23 47	5° 1'42	6♎25	17° 1	10° 7	13°33	25°39	3°57	21°38	3°33	6°54	19°25	20° 4	1°48	4°20	F 28
S 29	20 27 44	5°59'08	18°50	18°32	11°21	14°11	25°51	3°59	21°38	3°33	6°55	19°26	20° 1	1°55	4°25	S 29
S 30	20 31 41	6°56'35	1♏ 0	20° 8	12°35	14°48	26° 3	4° 1	21°38	3°32	6°56	19°27	19°58	2° 2	4°31	S 30
M31	20 35 37	7♌54'02	13♏ 0	21♋48	13♌49	15♍26	26♊15	4♉ 2	21°D38	3♐32	6♊57	19°R27	19♌54	2♐ 8	4♋36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n10	0s34	4n 0	18n36	4s37	23n47	0n29	13n35	1n 8	22n42	0s24	10n 6	2s24	18s 4	0n15	19s22	1n39	10n36	10s58	14n47	14n22	14s56	17n42	5s47
S 2	23 5	4 37	4 36	18 32	4 43	23 45	0 31	13 22	1 7	22 43	0 24	10 8	2 24	18 3	0 15	19 22	1 39	10 36	10 58	14 47	14 23	14 58	17 42	5 47
M 3	23 1	8 26	4 59	18 31	4 47	23 43	0 33	13 9	1 6	22 44	0 24	10 9	2 24	18 3	0 15	19 21	1 39	10 37	10 58	14 48	14 24	15 0	17 41	5 47
T 4	22 56	11 54	5 10	18 30	4 49	23 39	0 35	12 55	1 6	22 45	0 23	10 10	2 24	18 3	0 15	19 21	1 39	10 37	10 59	14 49	14 25	15 1	17 41	5 47
W 5	22 50	14 53	5 7	18 31	4 49	23 35	0 38	12 42	1 5	22 46	0 23	10 11	2 25	18 2	0 15	19 21	1 39	10 37	10 59	14 51	14 26	15 3	17 41	5 47
T 6	22 45	17 16	4 51	18 33	4 48	23 30	0 40	12 29	1 5	22 47	0 23	10 12	2 25	18 2	0 15	19 21	1 39	10 37	10 59	14 53	14 27	15 4	17 41	5 47
F 7	22 38	18 55	4 22	18 37	4 46	23 25	0 42	12 15	1 4	22 48	0 23	10 14	2 25	18 2	0 15	19 21	1 39	10 37	10 59	14 55	14 28	15 6	17 40	5 48
S 8	22 32	19 44	3 41	18 42	4 41	23 19	0 44	12 2	1 3	22 49	0 23	10 15	2 25	18 1	0 15	19 20	1 39	10 37	10 59	14 56	14 29	15 7	17 40	5 48
S 9	22 25	19 38	2 49	18 48	4 36	23 12	0 46	11 48	1 3	22 50	0 23	10 16	2 26	18 1	0 15	19 20	1 39	10 37	10 59	14 58	14 30	15 9	17 40	5 48
M10	22 18	18 35	1 49	18 55	4 29	23 4	0 48	11 35	1 2	22 51	0 23	10 17	2 26	18 1	0 15	19 20	1 39	10 37	10 59	14 59	14 31	15 10	17 39	5 48
T 11	22 10	16 37	0 42	19 3	4 21	22 56	0 50	11 21	1 2	22 52	0 23	10 18	2 26	18 1	0 15	19 20	1 39	10 37	10 59	14 59	14 32	15 12	17 39	5 48
W12	22 2	13 48	0s27	19 13	4 12	22 47	0 52	11 7	1 1	22 53	0 23	10 19	2 26	18 1	0 15	19 20	1 38	10 37	10 59	14 59	14 33	15 13	17 39	5 48
T 13	21 53	10 16	1 37	19 23	4 2	22 37	0 54	10 53	1 0	22 53	0 23	10 20	2 27	18 0	0 15	19 20	1 38	10 37	11 0	14 59	14 34	15 15	17 39	5 49
F 14	21 44	6 10	2 43	19 33	3 51	22 27	0 55	10 39	1 0	22 54	0 23	10 21	2 27	18 0	0 14	19 20	1 38	10 37	11 0	14 59	14 35	15 16	17 38	5 49
S 15	21 35	1 42	3 41	19 45	3 39	22 16	0 57	10 25	0 59	22 55	0 23	10 22	2 27	18 0	0 14	19 19	1 38	10 37	11 0	14 58	14 36	15 18	17 38	5 49
S 16	21 25	2n56	4 28	19 57	3 26	22 5	0 59	10 11	0 59	22 56	0 23	10 22	2 27	18 0	0 14	19 19	1 38	10 37	11 0	14 58	14 37	15 19	17 37	5 49
M17	21 15	7 30	5 0	20 9	3 13	21 53	1 1	9 57	0 58	22 56	0 23	10 23	2 27	18 0	0 14	19 19	1 38	10 37	11 0	14 58	14 38	15 21	17 37	5 50
T 18	21 5	11 44	5 14	20 21	2 59	21 40	1 2	9 42	0 57	22 57	0 23	10 24	2 28	17 59	0 14	19 19	1 38	10 37	11 0	14 58	14 39	15 22	17 37	5 50
W19	20 54	15 19	5 8	20 33	2 45	21 26	1 4	9 28	0 57	22 58	0 22	10 25	2 28	17 59	0 14	19 19	1 38	10 37	11 0	14 59	14 40	15 24	17 36	5 50
T 20	20 43	18 0	4 43	20 45	2 30	21 12	1 5	9 14	0 56	22 58	0 22	10 26	2 28	17 59	0 14	19 19	1 38	10 37	11 0	15 0	14 41	15 25	17 36	5 50
F 21	20 32	19 30	3 59	20 57	2 16	20 57	1 7	8 59	0 55	22 59	0 22	10 26	2 28	17 59	0 14	19 19	1 38	10 37	11 1	15 1	14 42	15 27	17 36	5 51
S 22	20 20	19 42	2 59	21 8	2 1	20 42	1 8	8 45	0 55	23 0	0 22	10 27	2 29	17 59	0 14	19 19	1 38	10 37	11 1	15 2	14 43	15 28	17 35	5 51
S 23	20 8	18 35	1 49	21 18	1 46	20 26	1 10	8 30	0 54	23 0	0 22	10 27	2 29	17 59	0 14	19 19	1 38	10 37	11 1	15 2	14 44	15 30	17 35	5 51
M24	19 56	16 19	0 33	21 28	1 31	20 10	1 11	8 15	0 54	23 1	0 22	10 28	2 29	17 59	0 14	19 19	1 38	10 37	11 1	15 2	14 45	15 31	17 34	5 51
T 25	19 43	13 9	0n43	21 36	1 16	19 52	1 13	8 0	0 53	23 1	0 22	10 29	2 29	17 59	0 14	19 18	1 38	10 37	11 1	15 2	14 46	15 33	17 34	5 52
W26	19 30	9 22	1 55	21 43	1 1	19 35	1 14	7 46	0 52	23 2	0 22	10 29	2 30	17 59	0 14	19 18	1 38	10 37	11 1	15 2	14 47	15 34	17 33	5 52
T 27	19 16	5 14	2 59	21 48	0 47	19 17	1 15	7 31	0 52	23 2	0 22	10 30	2 30	17 59	0 14	19 18	1 38	10 37	11 2	15 2	14 48	15 36	17 33	5 52
F 28	19 3	0 59	3 52	21 52	0 33	18 58	1 16	7 16	0 51	23 3	0 22	10 30	2 30	17 59	0 14	19 18	1 38	10 37	11 2	15 1	14 49	15 37	17 32	5 53
S 29	18 49	3s11	4 32	21 53	0 19	18 39	1 17	7 1	0 51	23 3	0 22	10 30	2 30	17 59	0 14	19 18	1 38	10 37	11 2	15 1	14 50	15 39	17 32	5 53
S 30	18 34	7 9	5 0	21 53	0 6	18 19	1 18	6 46	0 50	23 4	0 22	10 31	2 31	17 59	0 14	19 18	1 38	10 37	11 2	15 1	14 51	15 40	17 31	5 53
M31	18n20	10s46	5n14	21n50	0n 7	17n58	1n19	6n31	0n49	23n 4	0s22	10n31	2s31	17s59	0n14	19s18	1n38	10n37	11s 2	15n 1	14n52	15s42	17n31	5s54

Julian Day Number = 2322065.5, Delta T = 46.46 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'32, Lahiri = 18°54'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

AUGUST 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 39 34	8♌51'31	24♏54	23♋32	15♌ 3	16♍ 3	26♊26	4♉ 4	21♏38	3°R31	6♊57	19°R26	19♌51	2♐15	4♋42	T 1
W 2	20 43 30	9°49'00	6♐47	25°19	16°17	16°41	26°38	4° 6	21°38	3♐31	6°58	19♌26	19°48	2°22	4°47	W 2
T 3	20 47 27	10°46'30	18°44	27° 9	17°31	17°19	26°50	4° 7	21°38	3°31	6°59	19°24	19°45	2°29	4°52	T 3
F 4	20 51 23	11°44'01	0♑47	29° 2	18°45	17°56	27° 2	4° 8	21°38	3°30	7° 0	19°23	19°42	2°35	4°58	F 4
S 5	20 55 20	12°41'32	13° 0	0♌58	19°59	18°34	27°13	4°10	21°38	3°30	7° 0	19°22	19°38	2°42	5° 3	S 5
S 6	20 59 16	13°39'05	25°25	2°55	21°13	19°12	27°25	4°11	21°39	3°29	7° 1	19°22	19°35	2°49	5° 8	S 6
M 7	21 3 13	14°36'39	8♒ 4	4°54	22°28	19°50	27°36	4°12	21°39	3°29	7° 2	19°21	19°32	2°55	5°13	M 7
T 8	21 7 10	15°34'14	20°57	6°55	23°42	20°28	27°47	4°13	21°39	3°29	7° 2	19°D21	19°29	3° 2	5°18	T 8
W 9	21 11 6	16°31'51	4♓ 6	8°56	24°56	21° 6	27°59	4°13	21°40	3°29	7° 3	19°21	19°26	3° 9	5°24	W 9
T 10	21 15 3	17°29'28	17°28	10°58	26°10	21°44	28°10	4°14	21°40	3°29	7° 3	19°22	19°23	3°16	5°29	T 10
F 11	21 18 59	18°27'07	1♈ 4	13° 0	27°24	22°22	28°21	4°15	21°41	3°28	7° 4	19°22	19°19	3°22	5°34	F 11
S 12	21 22 56	19°24'48	14°51	15° 2	28°38	23° 0	28°32	4°15	21°42	3°28	7° 4	19°R22	19°16	3°29	5°39	S 12
S 13	21 26 52	20°22'30	28°49	17° 3	29°52	23°38	28°43	4°16	21°42	3°28	7° 5	19°22	19°13	3°36	5°43	S 13
M14	21 30 49	21°20'14	12♉54	19° 5	1♍ 6	24°16	28°53	4°16	21°43	3°28	7° 5	19°22	19°10	3°42	5°48	M14
T 15	21 34 45	22°17'59	27° 7	21° 6	2°21	24°54	29° 4	4°16	21°44	3°D28	7° 6	19°D22	19° 7	3°49	5°53	T 15
W16	21 38 42	23°15'47	11♊23	23° 5	3°35	25°32	29°15	4°R16	21°45	3°28	7° 6	19°22	19° 4	3°56	5°58	W16
T 17	21 42 39	24°13'36	25°40	25° 5	4°49	26°11	29°25	4°16	21°45	3°28	7° 7	19°22	19° 0	4° 3	6° 3	T 17
F 18	21 46 35	25°11'27	9♋55	27° 3	6° 3	26°49	29°36	4°16	21°46	3°28	7° 7	19°23	18°57	4° 9	6° 7	F 18
S 19	21 50 32	26° 9'19	24° 5	28°59	7°17	27°28	29°46	4°16	21°47	3°28	7° 8	19°23	18°54	4°16	6°12	S 19
S 20	21 54 28	27° 7'13	8♌ 6	0♍55	8°31	28° 6	29°56	4°15	21°48	3°29	7° 8	19°24	18°51	4°23	6°17	S 20
M21	21 58 25	28° 5'09	21°54	2°50	9°46	28°45	0♋ 6	4°15	21°49	3°29	7° 8	19°R24	18°48	4°29	6°21	M21
T 22	22 2 21	29° 3'06	5♍28	4°43	11° 0	29°23	0°17	4°14	21°51	3°29	7° 9	19°23	18°44	4°36	6°26	T 22
W23	22 6 18	0♍ 1'05	18°44	6°35	12°14	0♎ 2	0°26	4°14	21°52	3°29	7° 9	19°23	18°41	4°43	6°30	W23
T 24	22 10 14	0°59'06	1♎42	8°26	13°28	0°41	0°36	4°13	21°53	3°29	7° 9	19°21	18°38	4°50	6°34	T 24
F 25	22 14 11	1°57'07	14°22	10°15	14°43	1°20	0°46	4°12	21°54	3°30	7°10	19°19	18°35	4°56	6°39	F 25
S 26	22 18 7	2°55'11	26°46	12° 4	15°57	1°58	0°56	4°11	21°56	3°30	7°10	19°18	18°32	5° 3	6°43	S 26
S 27	22 22 4	3°53'15	8♏56	13°51	17°11	2°37	1° 5	4°10	21°57	3°30	7°10	19°16	18°29	5°10	6°47	S 27
M28	22 26 1	4°51'21	20°56	15°36	18°25	3°16	1°14	4° 9	21°58	3°31	7°10	19°15	18°25	5°16	6°51	M28
T 29	22 29 57	5°49'29	2♐51	17°21	19°39	3°55	1°24	4° 7	22° 0	3°31	7°10	19°D14	18°22	5°23	6°55	T 29
W30	22 33 54	6°47'38	14°43	19° 4	20°54	4°34	1°33	4° 6	22° 1	3°32	7°11	19°14	18°19	5°30	6°59	W30
T 31	22 37 50	7♍45'49	26♐40	20♍46	22♍ 8	5♎13	1♋42	4♉ 4	22♏ 3	3♐32	7♊11	19♌15	18♌16	5♐37	7♋ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18n 5	13s56	5n15	21n45	0n19	17n38	1n20	6n16	0n49	23n 4	0s22	10n31	2s31	17s59	0n14	19s18	1n37	10n37	11s 2	15n 1	14n53	15s43	17n30	5s54
W 2	17 49	16 31	5 2	21 37	0 31	17 16	1 21	6 0	0 48	23 5	0 22	10 32	2 32	17 59	0 14	19 18	1 37	10 37	11 3	15 1	14 54	15 45	17 30	5 54
T 3	17 34	18 25	4 36	21 27	0 41	16 55	1 22	5 45	0 48	23 5	0 22	10 32	2 32	17 59	0 14	19 18	1 37	10 37	11 3	15 2	14 55	15 46	17 29	5 55
F 4	17 18	19 31	3 58	21 14	0 51	16 32	1 22	5 30	0 47	23 6	0 21	10 32	2 32	17 59	0 14	19 18	1 37	10 37	11 3	15 2	14 56	15 48	17 29	5 55
S 5	17 2	19 44	3 8	20 58	1 0	16 10	1 23	5 14	0 46	23 6	0 21	10 32	2 32	17 59	0 14	19 18	1 37	10 37	11 3	15 2	14 57	15 49	17 28	5 55
S 6	16 45	18 59	2 9	20 39	1 9	15 46	1 24	4 59	0 46	23 6	0 21	10 32	2 33	17 59	0 14	19 18	1 37	10 37	11 3	15 2	14 58	15 51	17 28	5 56
M 7	16 29	17 17	1 2	20 19	1 16	15 23	1 24	4 44	0 45	23 6	0 21	10 33	2 33	17 59	0 14	19 18	1 37	10 37	11 3	15 3	14 59	15 52	17 27	5 56
T 8	16 12	14 41	0s 9	19 55	1 23	14 59	1 25	4 28	0 45	23 7	0 21	10 33	2 33	17 59	0 14	19 18	1 37	10 37	11 4	15 3	15 0	15 54	17 26	5 56
W 9	15 55	11 17	1 21	19 29	1 29	14 34	1 25	4 13	0 44	23 7	0 21	10 33	2 33	17 59	0 14	19 18	1 37	10 37	11 4	15 3	15 1	15 55	17 26	5 57
T 10	15 37	7 15	2 30	19 1	1 34	14 10	1 26	3 57	0 43	23 7	0 21	10 33	2 34	18 0	0 14	19 18	1 37	10 37	11 4	15 3	15 2	15 56	17 25	5 57
F 11	15 19	2 48	3 31	18 30	1 38	13 44	1 26	3 41	0 43	23 7	0 21	10 33	2 34	18 0	0 14	19 18	1 37	10 36	11 4	15 3	15 3	15 58	17 25	5 58
S 12	15 2	1n51	4 21	17 58	1 41	13 19	1 26	3 26	0 42	23 8	0 21	10 33	2 34	18 0	0 14	19 18	1 37	10 36	11 4	15 2	15 4	15 59	17 24	5 58
S 13	14 43	6 27	4 57	17 23	1 43	12 53	1 26	3 10	0 42	23 8	0 21	10 32	2 34	18 0	0 14	19 18	1 37	10 36	11 4	15 3	15 5	16 1	17 23	5 58
M14	14 25	10 44	5 15	16 47	1 45	12 27	1 26	2 54	0 41	23 8	0 21	10 32	2 35	18 0	0 14	19 18	1 37	10 36	11 5	15 3	15 6	16 2	17 23	5 59
T 15	14 6	14 27	5 14	16 10	1 46	12 0	1 26	2 39	0 40	23 8	0 21	10 32	2 35	18 1	0 14	19 18	1 37	10 36	11 5	15 3	15 7	16 4	17 22	5 59
W16	13 47	17 20	4 54	15 31	1 46	11 33	1 26	2 23	0 40	23 8	0 21	10 32	2 35	18 1	0 14	19 18	1 37	10 36	11 5	15 2	15 8	16 5	17 22	6 0
T 17	13 28	19 9	4 16	14 51	1 46	11 6	1 26	2 7	0 39	23 8	0 21	10 32	2 35	18 1	0 14	19 18	1 37	10 36	11 5	15 2	15 9	16 7	17 21	6 0
F 18	13 9	19 46	3 22	14 9	1 44	10 38	1 26	1 51	0 39	23 8	0 21	10 31	2 36	18 1	0 14	19 19	1 36	10 36	11 5	15 2	15 10	16 8	17 20	6 1
S 19	12 49	19 6	2 16	13 27	1 43	10 11	1 26	1 35	0 38	23 8	0 21	10 31	2 36	18 2	0 14	19 19	1 36	10 35	11 6	15 2	15 11	16 9	17 20	6 1
S 20	12 30	17 16	1 2	12 44	1 41	9 42	1 25	1 20	0 37	23 8	0 21	10 31	2 36	18 2	0 14	19 19	1 36	10 35	11 6	15 2	15 12	16 11	17 19	6 1
M21	12 10	14 27	0n14	12 0	1 38	9 14	1 25	1 4	0 37	23 9	0 20	10 30	2 36	18 2	0 14	19 19	1 36	10 35	11 6	15 2	15 13	16 12	17 18	6 2
T 22	11 50	10 53	1 28	11 16	1 35	8 46	1 25	0 48	0 36	23 9	0 20	10 30	2 37	18 2	0 14	19 19	1 36	10 35	11 6	15 2	15 14	16 14	17 18	6 2
W23	11 29	6 51	2 35	10 31	1 31	8 17	1 24	0 32	0 36	23 9	0 20	10 29	2 37	18 3	0 14	19 19	1 36	10 35	11 6	15 2	15 15	16 15	17 17	6 3
T 24	11 9	2 35	3 33	9 46	1 27	7 48	1 24	0 16	0 35	23 9	0 20	10 29	2 37	18 3	0 14	19 19	1 36	10 35	11 7	15 3	15 16	16 17	17 16	6 3
F 25	10 48	1s41	4 19	9 0	1 22	7 18	1 23	0s 0	0 34	23 9	0 20	10 28	2 38	18 3	0 14	19 19	1 36	10 35	11 7	15 3	15 17	16 18	17 16	6 4
S 26	10 27	5 48	4 52	8 15	1 18	6 49	1 22	0 16	0 34	23 9	0 20	10 28	2 38	18 4	0 14	19 19	1 36	10 34	11 7	15 4	15 18	16 19	17 15	6 4
S 27	10 6	9 35	5 11	7 29	1 12	6 19	1 21	0 32	0 33	23 9	0 20	10 27	2 38	18 4	0 14	19 19	1 36	10 34	11 7	15 4	15 19	16 21	17 14	6 5
M28	9 45	12 57	5 16	6 43	1 7	5 49	1 21	0 48	0 32	23 9	0 20	10 27	2 38	18 5	0 14	19 20	1 36	10 34	11 7	15 5	15 20	16 22	17 13	6 5
T 29	9 24	15 45	5 7	5 57	1 1	5 19	1 20	1 4	0 32	23 9	0 20	10 26	2 38	18 5	0 13	19 20	1 36	10 34	11 8	15 5	15 21	16 24	17 13	6 6
W30	9 2	17 53	4 45	5 11	0 55	4 49	1 19	1 20	0 31	23 8	0 20	10 25	2 39	18 5	0 13	19 20	1 36	10 34	11 8	15 5	15 22	16 25	17 12	6 6
T 31	8n40	19s16	4n11	4n25	0n49	4n19	1n18	1s37	0n31	23n 8	0s20	10n24	2s39	18s 6	0n13	19s20	1n36	10n34	11s 8	15n 5	15n23	16s27	17n11	6s 7

Julian Day Number = 2322096.5, Delta T = 46.40 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'36, Lahiri = 18°54'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

SEPTEMBER 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 41 47	8♍44'01	8♉44	22♍27	23♍22	5♎52	1♋51	4°R 3	22♏ 5	3♐33	7♊11	19♌17	18♌13	5♐43	7♋ 7	F 1
S 2	22 45 43	9°42'15	21° 0	24° 7	24°36	6°31	1°59	4♉ 1	22° 6	3°33	7°11	19°18	18°10	5°50	7°11	S 2
S 3	22 49 40	10°40'30	3♒33	25°45	25°50	7°11	2° 8	3°59	22° 8	3°34	7°11	19°20	18° 6	5°57	7°15	S 3
M 4	22 53 36	11°38'47	16°23	27°23	27° 5	7°50	2°17	3°57	22°10	3°35	7°11	19°R20	18° 3	6° 4	7°18	M 4
T 5	22 57 33	12°37'05	29°34	28°59	28°19	8°29	2°25	3°55	22°11	3°35	7°11	19°20	18° 0	6°10	7°22	T 5
W 6	23 1 30	13°35'25	13♓ 4	0♎34	29°33	9° 9	2°33	3°53	22°13	3°36	7°R11	19°18	17°57	6°17	7°25	W 6
T 7	23 5 26	14°33'47	26°53	2° 8	0♎47	9°48	2°41	3°51	22°15	3°37	7°11	19°16	17°54	6°24	7°29	T 7
F 8	23 9 23	15°32'11	10♈57	3°41	2° 1	10°28	2°49	3°49	22°17	3°37	7°11	19°12	17°50	6°30	7°32	F 8
S 9	23 13 19	16°30'37	25°11	5°13	3°16	11° 7	2°57	3°46	22°19	3°38	7°11	19° 8	17°47	6°37	7°36	S 9
S 10	23 17 16	17°29'05	9♉31	6°43	4°30	11°47	3° 5	3°44	22°21	3°39	7°11	19° 5	17°44	6°44	7°39	S 10
M11	23 21 12	18°27'36	23°52	8°13	5°44	12°26	3°12	3°41	22°23	3°40	7°11	19° 2	17°41	6°51	7°42	M11
T 12	23 25 9	19°26'08	8♊11	9°41	6°58	13° 6	3°20	3°39	22°25	3°41	7°11	19° 0	17°38	6°57	7°45	T 12
W13	23 29 5	20°24'43	22°23	11° 9	8°12	13°46	3°27	3°36	22°27	3°42	7°11	18°D59	17°35	7° 4	7°48	W13
T 14	23 33 2	21°23'20	6♋28	12°35	9°27	14°25	3°34	3°33	22°30	3°43	7°10	19° 0	17°31	7°11	7°51	T 14
F 15	23 36 59	22°22'00	20°23	14° 0	10°41	15° 5	3°41	3°30	22°32	3°44	7°10	19° 2	17°28	7°17	7°54	F 15
S 16	23 40 55	23°20'41	4♌ 7	15°24	11°55	15°45	3°48	3°27	22°34	3°45	7°10	19° 3	17°25	7°24	7°57	S 16
S 17	23 44 52	24°19'25	17°42	16°47	13° 9	16°25	3°55	3°24	22°37	3°46	7°10	19°R 4	17°22	7°31	8° 0	S 17
M18	23 48 48	25°18'11	1♍ 5	18° 8	14°23	17° 5	4° 2	3°21	22°39	3°47	7°10	19° 3	17°19	7°38	8° 2	M18
T 19	23 52 45	26°16'59	14°15	19°29	15°38	17°45	4° 8	3°18	22°41	3°48	7° 9	19° 1	17°15	7°44	8° 5	T 19
W20	23 56 41	27°15'49	27°13	20°48	16°52	18°25	4°14	3°14	22°44	3°49	7° 9	18°56	17°12	7°51	8° 8	W20
T 21	0 0 38	28°14'41	9♎58	22° 5	18° 6	19° 6	4°20	3°11	22°46	3°50	7° 9	18°50	17° 9	7°58	8°10	T 21
F 22	0 4 34	29°13'35	22°30	23°22	19°20	19°46	4°26	3° 7	22°49	3°51	7° 8	18°43	17° 6	8° 4	8°12	F 22
S 23	0 8 31	0♎12'31	4♏48	24°36	20°34	20°26	4°32	3° 4	22°51	3°53	7° 8	18°36	17° 3	8°11	8°15	S 23
S 24	0 12 27	1°11'29	16°56	25°49	21°49	21° 6	4°38	3° 0	22°54	3°54	7° 8	18°28	17° 0	8°18	8°17	S 24
M25	0 16 24	2°10'28	28°54	27° 1	23° 3	21°47	4°43	2°56	22°57	3°55	7° 7	18°22	16°56	8°24	8°19	M25
T 26	0 20 21	3° 9'30	10♐47	28°11	24°17	22°27	4°48	2°53	22°59	3°56	7° 7	18°17	16°53	8°31	8°21	T 26
W27	0 24 17	4° 8'33	22°38	29°19	25°31	23° 8	4°53	2°49	23° 2	3°58	7° 7	18°15	16°50	8°38	8°23	W27
T 28	0 28 14	5° 7'39	4♑32	0♏24	26°45	23°48	4°58	2°45	23° 5	3°59	7° 6	18°D14	16°47	8°45	8°25	T 28
F 29	0 32 10	6° 6'46	16°34	1°28	27°59	24°29	5° 3	2°41	23° 8	4° 0	7° 6	18°14	16°44	8°51	8°27	F 29
S 30	0 36 7	7♎ 5'54	28♑49	2♏29	29♎13	25♎10	5♋ 8	2♉37	23♏10	4♐ 2	7♊ 5	18♌16	16♌41	8♐58	8♋28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n19	19s47	3n25	3n39	0n42	3n49	1n17	1s53	0n30	23n 8	0s20	10n24	2s39	18s 6	0n13	19s20	1n36	10n33	11s 8	15n 4	15n24	16s28	17n11	6s 7
S 2	7 57	19 22	2 30	2 53	0 36	3 18	1 15	2 9	0 29	23 8	0 20	10 23	2 39	18 7	0 13	19 20	1 36	10 33	11 8	15 4	15 25	16 29	17 10	6 8
S 3	7 35	18 0	1 26	2 8	0 29	2 47	1 14	2 25	0 29	23 8	0 20	10 22	2 40	18 7	0 13	19 21	1 36	10 33	11 9	15 3	15 26	16 31	17 9	6 8
M 4	7 12	15 42	0 16	1 23	0 22	2 17	1 13	2 41	0 28	23 8	0 20	10 21	2 40	18 8	0 13	19 21	1 35	10 33	11 9	15 3	15 27	16 32	17 8	6 9
T 5	6 50	12 31	0s56	0 38	0 15	1 46	1 12	2 57	0 28	23 8	0 20	10 20	2 40	18 8	0 13	19 21	1 35	10 33	11 9	15 3	15 28	16 34	17 8	6 10
W 6	6 28	8 37	2 7	0s 7	0 7	1 15	1 10	3 13	0 27	23 8	0 20	10 19	2 40	18 9	0 13	19 21	1 35	10 33	11 9	15 4	15 29	16 35	17 7	6 10
T 7	6 5	4 10	3 12	0 51	0s 0	0 44	1 9	3 29	0 26	23 8	0 20	10 19	2 40	18 9	0 13	19 21	1 35	10 32	11 9	15 4	15 30	16 36	17 6	6 11
F 8	5 43	0n34	4 6	1 35	0 8	0 13	1 7	3 45	0 26	23 8	0 19	10 18	2 41	18 10	0 13	19 21	1 35	10 32	11 10	15 5	15 31	16 38	17 5	6 11
S 9	5 20	5 19	4 46	2 19	0 15	0s18	1 6	4 1	0 25	23 8	0 19	10 17	2 41	18 10	0 13	19 22	1 35	10 32	11 10	15 7	15 32	16 39	17 5	6 12
S 10	4 57	9 49	5 8	3 2	0 23	0 49	1 4	4 17	0 25	23 7	0 19	10 15	2 41	18 11	0 13	19 22	1 35	10 32	11 10	15 8	15 33	16 40	17 4	6 12
M11	4 34	13 44	5 12	3 44	0 31	1 20	1 2	4 33	0 24	23 7	0 19	10 14	2 41	18 11	0 13	19 22	1 35	10 31	11 10	15 9	15 34	16 42	17 3	6 13
T 12	4 11	16 51	4 56	4 26	0 39	1 51	1 1	4 49	0 23	23 7	0 19	10 13	2 41	18 12	0 13	19 22	1 35	10 31	11 10	15 9	15 35	16 43	17 2	6 13
W13	3 48	18 55	4 21	5 8	0 46	2 22	0 59	5 5	0 23	23 7	0 19	10 12	2 42	18 12	0 13	19 23	1 35	10 31	11 11	15 9	15 36	16 45	17 2	6 14
T 14	3 25	19 48	3 32	5 49	0 54	2 52	0 57	5 21	0 22	23 7	0 19	10 11	2 42	18 13	0 13	19 23	1 35	10 31	11 11	15 9	15 37	16 46	17 1	6 15
F 15	3 2	19 28	2 30	6 29	1 2	3 23	0 55	5 37	0 22	23 7	0 19	10 10	2 42	18 14	0 13	19 23	1 35	10 31	11 11	15 9	15 38	16 47	17 0	6 15
S 16	2 39	17 57	1 21	7 9	1 10	3 54	0 53	5 53	0 21	23 7	0 19	10 9	2 42	18 14	0 13	19 23	1 35	10 30	11 11	15 8	15 39	16 49	16 59	6 16
S 17	2 16	15 26	0 7	7 48	1 17	4 25	0 51	6 9	0 20	23 7	0 19	10 8	2 42	18 15	0 13	19 23	1 35	10 30	11 11	15 8	15 40	16 50	16 59	6 16
M18	1 52	12 7	1n 5	8 26	1 25	4 56	0 49	6 25	0 20	23 6	0 19	10 6	2 43	18 15	0 13	19 24	1 35	10 30	11 12	15 8	15 41	16 51	16 58	6 17
T 19	1 29	8 15	2 13	9 4	1 33	5 26	0 47	6 41	0 19	23 6	0 19	10 5	2 43	18 16	0 13	19 24	1 35	10 30	11 12	15 9	15 41	16 53	16 57	6 18
W20	1 5	4 3	3 12	9 41	1 40	5 57	0 45	6 57	0 19	23 6	0 19	10 4	2 43	18 17	0 13	19 24	1 35	10 29	11 12	15 10	15 42	16 54	16 56	6 18
T 21	0 42	0s16	4 1	10 17	1 48	6 27	0 43	7 13	0 18	23 6	0 19	10 2	2 43	18 17	0 13	19 25	1 35	10 29	11 12	15 12	15 43	16 56	16 56	6 19
F 22	0 19	4 29	4 37	10 52	1 55	6 57	0 41	7 29	0 17	23 6	0 19	10 1	2 43	18 18	0 13	19 25	1 34	10 29	11 12	15 15	15 44	16 57	16 55	6 20
S 23	0s 5	8 26	5 0	11 27	2 2	7 27	0 38	7 44	0 17	23 6	0 19	10 0	2 43	18 19	0 13	19 25	1 34	10 29	11 13	15 17	15 45	16 58	16 54	6 20
S 24	0 28	11 59	5 9	12 0	2 10	7 57	0 36	8 0	0 16	23 6	0 19	9 58	2 44	18 19	0 13	19 25	1 34	10 29	11 13	15 19	15 46	17 0	16 53	6 21
M25	0 52	15 1	5 3	12 33	2 16	8 27	0 34	8 16	0 16	23 5	0 19	9 57	2 44	18 20	0 13	19 26	1 34	10 28	11 13	15 21	15 47	17 1	16 53	6 21
T 26	1 15	17 24	4 45	13 4	2 23	8 57	0 31	8 31	0 15	23 5	0 18	9 55	2 44	18 21	0 13	19 26	1 34	10 28	11 13	15 22	15 48	17 2	16 52	6 22
W27	1 39	19 2	4 15	13 35	2 30	9 26	0 29	8 47	0 14	23 5	0 18	9 54	2 44	18 21	0 13	19 26	1 34	10 28	11 13	15 23	15 49	17 4	16 51	6 23
T 28	2 2	19 51	3 34	14 4	2 36	9 55	0 26	9 3	0 14	23 5	0 18	9 53	2 44	18 22	0 13	19 27	1 34	10 28	11 13	15 24	15 50	17 5	16 50	6 23
F 29	2 26	19 46	2 43	14 32	2 42	10 24	0 24	9 18	0 13	23 5	0 18	9 51	2 44	18 23	0 13	19 27	1 34	10 27	11 14	15 23	15 51	17 6	16 50	6 24
S 30	2s49	18s45	1n43	14s59	2s48	10s53	0n21	9s34	0n12	23n 5	0s18	9n50	2s44	18s24	0n13	19s27	1n34	10n27	11s14	15n23	15n52	17s 8	16n49	6s25

Julian Day Number = 2322127.5, Delta T = 46.34 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'41, Lahiri = 18°54'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

OCTOBER 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 40 3	8♎ 5'05	11♒21	3♏28	0♏28	25♎50	5♋12	2°R33	23♏13	4♐ 3	7°R 5	18♌17	16♌37	9♐ 5	8♋30	S 1
M 2	0 44 0	9° 4'17	24°16	4°24	1°42	26°31	5°16	2♉28	23°16	4° 5	7♊ 4	18°R17	16°34	9°11	8°32	M 2
T 3	0 47 56	10° 3'31	7♓36	5°17	2°56	27°12	5°20	2°24	23°19	4° 6	7° 4	18°15	16°31	9°18	8°33	T 3
W 4	0 51 53	11° 2'48	21°22	6° 6	4°10	27°53	5°24	2°20	23°22	4° 8	7° 3	18°11	16°28	9°25	8°34	W 4
T 5	0 55 50	12° 2'05	5♈31	6°52	5°24	28°34	5°28	2°16	23°25	4° 9	7° 3	18° 5	16°25	9°32	8°36	T 5
F 6	0 59 46	13° 1'25	20° 1	7°34	6°38	29°15	5°32	2°11	23°28	4°11	7° 2	17°57	16°21	9°38	8°37	F 6
S 7	1 3 43	14° 0'48	4♉43	8°11	7°52	29°56	5°35	2° 7	23°31	4°12	7° 1	17°48	16°18	9°45	8°38	S 7
S 8	1 7 39	15° 0'12	19°31	8°44	9° 6	0♏37	5°38	2° 2	23°34	4°14	7° 1	17°39	16°15	9°52	8°39	S 8
M 9	1 11 36	15°59'39	4♊16	9°11	10°20	1°18	5°41	1°58	23°37	4°16	7° 0	17°32	16°12	9°58	8°40	M 9
T 10	1 15 32	16°59'08	18°52	9°33	11°34	1°59	5°44	1°53	23°40	4°17	6°59	17°26	16° 9	10° 5	8°41	T 10
W11	1 19 29	17°58'39	3♋13	9°49	12°48	2°40	5°46	1°49	23°43	4°19	6°59	17°23	16° 6	10°12	8°41	W11
T 12	1 23 25	18°58'13	17°16	9°57	14° 2	3°22	5°49	1°44	23°47	4°21	6°58	17°D22	16° 2	10°19	8°42	T 12
F 13	1 27 22	19°57'49	1♌ 2	9°R59	15°16	4° 3	5°51	1°39	23°50	4°22	6°57	17°23	15°59	10°25	8°43	F 13
S 14	1 31 19	20°57'27	14°32	9°52	16°30	4°44	5°53	1°35	23°53	4°24	6°57	17°R23	15°56	10°32	8°43	S 14
S 15	1 35 15	21°57'08	27°46	9°38	17°44	5°26	5°55	1°30	23°56	4°26	6°56	17°23	15°53	10°39	8°44	S 15
M16	1 39 12	22°56'50	10♍47	9°14	18°58	6° 7	5°57	1°25	24° 0	4°28	6°55	17°20	15°50	10°45	8°44	M16
T 17	1 43 8	23°56'35	23°37	8°42	20°12	6°49	5°58	1°21	24° 3	4°29	6°54	17°15	15°46	10°52	8°44	T 17
W18	1 47 5	24°56'22	6♎15	8° 1	21°26	7°31	5°59	1°16	24° 6	4°31	6°53	17° 7	15°43	10°59	8°44	W18
T 19	1 51 1	25°56'11	18°44	7°11	22°40	8°12	6° 0	1°11	24°10	4°33	6°53	16°57	15°40	11° 6	8°R44	T 19
F 20	1 54 58	26°56'03	1♏ 3	6°13	23°54	8°54	6° 1	1° 6	24°13	4°35	6°52	16°44	15°37	11°12	8°44	F 20
S 21	1 58 54	27°55'56	13°13	5° 8	25° 8	9°36	6° 2	1° 1	24°16	4°37	6°51	16°31	15°34	11°19	8°44	S 21
S 22	2 2 51	28°55'51	25°15	3°57	26°22	10°18	6° 2	0°56	24°20	4°39	6°50	16°17	15°31	11°26	8°44	S 22
M23	2 6 48	29°55'48	7♐10	2°42	27°36	11° 0	6° 2	0°52	24°23	4°41	6°49	16° 6	15°27	11°32	8°43	M23
T 24	2 10 44	0♏55'47	19° 0	1°25	28°50	11°42	6°R 2	0°47	24°27	4°43	6°48	15°56	15°24	11°39	8°43	T 24
W25	2 14 41	1°55'47	0♑49	0° 9	0♐ 4	12°24	6° 2	0°42	24°30	4°45	6°47	15°49	15°21	11°46	8°42	W25
T 26	2 18 37	2°55'49	12°40	28♎55	1°18	13° 6	6° 2	0°37	24°34	4°47	6°46	15°45	15°18	11°53	8°42	T 26
F 27	2 22 34	3°55'53	24°39	27°45	2°32	13°48	6° 1	0°32	24°37	4°49	6°46	15°44	15°15	11°59	8°41	F 27
S 28	2 26 30	4°55'59	6♒50	26°44	3°46	14°30	6° 1	0°28	24°41	4°51	6°45	15°D43	15°12	12° 6	8°40	S 28
S 29	2 30 27	5°56'06	19°18	25°51	5° 0	15°12	6° 0	0°23	24°44	4°53	6°44	15°R43	15° 8	12°13	8°39	S 29
M30	2 34 23	6°56'14	2♓ 9	25° 8	6°14	15°55	5°59	0°18	24°48	4°55	6°43	15°42	15° 5	12°19	8°39	M30
T 31	2 38 20	7♏56'24	15♓27	24♎36	7♐27	16♏37	5♋57	0♉13	24♏52	4♐57	6♊42	15♌40	15♌ 2	12♐26	8♋37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s13	16s48	0n37	15s24	2s53	11s22	0n19	9s49	0n12	23n 5	0s18	9n48	2s45	18s24	0n13	19s27	1n34	10n27	11s14	15n23	15n53	17s 9	16n48	6s25
M 2	3 36	13 58	0s32	15 48	2 58	11 50	0 16	10 4	0 11	23 5	0 18	9 47	2 45	18 25	0 13	19 28	1 34	10 27	11 14	15 23	15 54	17 10	16 47	6 26
T 3	3 59	10 19	1 42	16 10	3 3	12 18	0 14	10 20	0 11	23 5	0 18	9 45	2 45	18 26	0 13	19 28	1 34	10 26	11 14	15 23	15 55	17 12	16 47	6 27
W 4	4 23	6 0	2 48	16 31	3 7	12 45	0 11	10 35	0 10	23 4	0 18	9 43	2 45	18 27	0 13	19 28	1 34	10 26	11 14	15 24	15 56	17 13	16 46	6 27
T 5	4 46	1 15	3 45	16 50	3 11	13 13	0 9	10 50	0 9	23 4	0 18	9 42	2 45	18 27	0 13	19 29	1 34	10 26	11 15	15 26	15 57	17 14	16 45	6 28
F 6	5 9	3n40	4 30	17 6	3 14	13 40	0 6	11 5	0 9	23 4	0 18	9 40	2 45	18 28	0 13	19 29	1 34	10 26	11 15	15 29	15 58	17 16	16 45	6 28
S 7	5 32	8 27	4 57	17 21	3 16	14 7	0 3	11 20	0 8	23 4	0 18	9 39	2 45	18 29	0 13	19 29	1 34	10 25	11 15	15 32	15 59	17 17	16 44	6 29
S 8	5 55	12 45	5 5	17 33	3 18	14 33	0 0	11 35	0 8	23 4	0 18	9 37	2 45	18 30	0 13	19 30	1 34	10 25	11 15	15 34	16 0	17 18	16 43	6 30
M 9	6 18	16 15	4 52	17 43	3 18	14 59	0s 2	11 50	0 7	23 4	0 18	9 36	2 45	18 30	0 13	19 30	1 34	10 25	11 15	15 36	16 1	17 20	16 42	6 30
T 10	6 41	18 41	4 20	17 50	3 18	15 25	0 5	12 5	0 6	23 4	0 18	9 34	2 45	18 31	0 13	19 30	1 34	10 25	11 15	15 38	16 2	17 21	16 42	6 31
W11	7 4	19 54	3 33	17 54	3 17	15 50	0 8	12 20	0 6	23 4	0 18	9 32	2 45	18 32	0 13	19 31	1 34	10 24	11 16	15 39	16 3	17 22	16 41	6 32
T 12	7 27	19 50	2 33	17 55	3 15	16 15	0 10	12 35	0 5	23 4	0 17	9 31	2 45	18 33	0 13	19 31	1 34	10 24	11 16	15 39	16 3	17 23	16 40	6 32
F 13	7 49	18 34	1 26	17 52	3 12	16 39	0 13	12 49	0 5	23 4	0 17	9 29	2 45	18 34	0 13	19 31	1 34	10 24	11 16	15 39	16 4	17 25	16 40	6 33
S 14	8 12	16 16	0 15	17 45	3 7	17 4	0 16	13 4	0 4	23 4	0 17	9 27	2 46	18 34	0 13	19 32	1 33	10 24	11 16	15 39	16 5	17 26	16 39	6 34
S 15	8 34	13 8	0n55	17 34	3 0	17 27	0 19	13 18	0 3	23 4	0 17	9 26	2 46	18 35	0 13	19 32	1 33	10 23	11 16	15 39	16 6	17 27	16 38	6 34
M16	8 56	9 24	2 1	17 19	2 53	17 50	0 22	13 33	0 3	23 4	0 17	9 24	2 46	18 36	0 13	19 33	1 33	10 23	11 16	15 40	16 7	17 29	16 38	6 35
T 17	9 18	5 18	3 0	17 0	2 43	18 13	0 24	13 47	0 2	23 4	0 17	9 22	2 46	18 37	0 13	19 33	1 33	10 23	11 16	15 42	16 8	17 30	16 37	6 36
W18	9 40	1 1	3 49	16 36	2 32	18 36	0 27	14 1	0 2	23 4	0 17	9 21	2 46	18 38	0 13	19 33	1 33	10 23	11 17	15 44	16 9	17 31	16 36	6 36
T 19	10 2	3s15	4 26	16 7	2 19	18 57	0 30	14 15	0 1	23 4	0 17	9 19	2 46	18 39	0 13	19 34	1 33	10 22	11 17	15 47	16 10	17 33	16 36	6 37
F 20	10 24	7 20	4 50	15 34	2 4	19 19	0 33	14 29	0 0	23 4	0 17	9 17	2 46	18 39	0 13	19 34	1 33	10 22	11 17	15 51	16 11	17 34	16 35	6 38
S 21	10 45	11 3	5 0	14 56	1 47	19 40	0 35	14 43	0s 0	23 4	0 17	9 16	2 46	18 40	0 13	19 34	1 33	10 22	11 17	15 55	16 12	17 35	16 34	6 38
S 22	11 7	14 18	4 57	14 15	1 29	20 0	0 38	14 57	0 1	23 4	0 17	9 14	2 46	18 41	0 13	19 35	1 33	10 22	11 17	15 59	16 13	17 36	16 34	6 39
M23	11 28	16 55	4 41	13 32	1 10	20 20	0 41	15 11	0 2	23 4	0 17	9 12	2 46	18 42	0 13	19 35	1 33	10 21	11 17	16 3	16 14	17 38	16 33	6 40
T 24	11 49	18 49	4 13	12 46	0 50	20 39	0 44	15 24	0 2	23 4	0 17	9 11	2 46	18 43	0 13	19 36	1 33	10 21	11 17	16 5	16 15	17 39	16 32	6 40
W25	12 10	19 55	3 34	12 0	0 29	20 57	0 46	15 38	0 3	23 4	0 17	9 9	2 46	18 44	0 13	19 36	1 33	10 21	11 17	16 7	16 16	17 40	16 32	6 41
T 26	12 31	20 8	2 45	11 14	0 8	21 16	0 49	15 51	0 3	23 4	0 16	9 7	2 46	18 45	0 12	19 36	1 33	10 21	11 17	16 9	16 17	17 41	16 31	6 42
F 27	12 51	19 27	1 49	10 31	0n12	21 33	0 52	16 4	0 4	23 4	0 16	9 6	2 45	18 45	0 12	19 37	1 33	10 20	11 18	16 9	16 18	17 43	16 31	6 42
S 28	13 11	17 51	0 47	9 50	0 31	21 50	0 54	16 18	0 5	23 5	0 16	9 4	2 45	18 46	0 12	19 37	1 33	10 20	11 18	16 9	16 19	17 44	16 30	6 43
S 29	13 31	15 22	0s19	9 14	0 50	22 6	0 57	16 31	0 5	23 5	0 16	9 3	2 45	18 47	0 12	19 38	1 33	10 20	11 18	16 9	16 20	17 45	16 29	6 43
M30	13 51	12 4	1 26	8 43	1 7	22 22	1 0	16 43	0 6	23 5	0 16	9 1	2 45	18 48	0 12	19 38	1 33	10 20	11 18	16 9	16 20	17 46	16 29	6 44
T 31	14s11	8s 3	2s30	8s17	1n22	22s37	1s 2	16s56	0s 6	23n 5	0s16	8n59	2s45	18s49	0n12	19s38	1n33	10n19	11s18	16n10	16n21	17s48	16n28	6s45

Julian Day Number = 2322157.5, Delta T = 46.29 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'45, Lahiri = 18°54'45Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

NOVEMBER 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 42 16	8♏56'36	29♓15	24°R16	8♐41	17♏19	5°R56	0°R 8	24♏55	4♐59	6°R41	15°R34	14♌59	12♐33	8°R36	W 1
T 2	2 46 13	9°56'49	13♈32	24°D 8	9°55	18° 2	5♋54	0♉ 4	24°59	5° 1	6♊40	15♌26	14°56	12°39	8♋35	T 2
F 3	2 50 10	10°57'04	28°15	24♎11	11° 9	18°44	5°52	29♈59	25° 2	5° 3	6°39	15°16	14°52	12°46	8°34	F 3
S 4	2 54 6	11°57'20	13♉17	24°25	12°23	19°27	5°50	29°54	25° 6	5° 5	6°38	15° 4	14°49	12°53	8°32	S 4
S 5	2 58 3	12°57'39	28°28	24°49	13°36	20° 9	5°47	29°50	25°10	5° 7	6°37	14°53	14°46	13° 0	8°31	S 5
M 6	3 1 59	13°57'59	13♊37	25°22	14°50	20°52	5°45	29°45	25°13	5° 9	6°36	14°43	14°43	13° 6	8°29	M 6
T 7	3 5 56	14°58'21	28°35	26° 3	16° 4	21°35	5°42	29°41	25°17	5°11	6°35	14°35	14°40	13°13	8°28	T 7
W 8	3 9 52	15°58'45	13♋13	26°52	17°18	22°18	5°39	29°36	25°21	5°14	6°34	14°30	14°37	13°20	8°26	W 8
T 9	3 13 49	16°59'11	27°28	27°48	18°31	23° 0	5°36	29°32	25°24	5°16	6°32	14°28	14°33	13°26	8°24	T 9
F 10	3 17 46	17°59'39	11♌18	28°49	19°45	23°43	5°33	29°27	25°28	5°18	6°31	14°27	14°30	13°33	8°22	F 10
S 11	3 21 42	19° 0'09	24°45	29°55	20°59	24°26	5°29	29°23	25°32	5°20	6°30	14°27	14°27	13°40	8°20	S 11
S 12	3 25 39	20° 0'40	7♍51	1♏ 6	22°12	25° 9	5°25	29°18	25°35	5°22	6°29	14°26	14°24	13°47	8°18	S 12
M13	3 29 35	21° 1'14	20°40	2°20	23°26	25°52	5°22	29°14	25°39	5°24	6°28	14°23	14°21	13°53	8°16	M13
T 14	3 33 32	22° 1'49	3♎15	3°38	24°39	26°35	5°18	29°10	25°43	5°27	6°27	14°18	14°18	14° 0	8°14	T 14
W15	3 37 28	23° 2'26	15°38	4°58	25°53	27°19	5°13	29° 6	25°46	5°29	6°26	14° 9	14°14	14° 7	8°12	W15
T 16	3 41 25	24° 3'04	27°53	6°20	27° 7	28° 2	5° 9	29° 1	25°50	5°31	6°25	13°58	14°11	14°13	8° 9	T 16
F 17	3 45 21	25° 3'44	9♏59	7°45	28°20	28°45	5° 4	28°57	25°54	5°33	6°24	13°44	14° 8	14°20	8° 7	F 17
S 18	3 49 18	26° 4'26	22° 0	9°11	29°34	29°28	4°59	28°53	25°58	5°36	6°23	13°29	14° 5	14°27	8° 4	S 18
S 19	3 53 14	27° 5'09	3♐56	10°38	0♑47	0♐12	4°54	28°49	26° 1	5°38	6°21	13°15	14° 2	14°33	8° 2	S 19
M20	3 57 11	28° 5'53	15°48	12° 6	2° 1	0°55	4°49	28°45	26° 5	5°40	6°20	13° 2	13°58	14°40	7°59	M20
T 21	4 1 8	29° 6'39	27°37	13°36	3°14	1°39	4°44	28°42	26° 9	5°42	6°19	12°51	13°55	14°47	7°56	T 21
W22	4 5 4	0♐ 7'26	9♑26	15° 6	4°28	2°22	4°39	28°38	26°12	5°45	6°18	12°44	13°52	14°54	7°53	W22
T 23	4 9 1	1° 8'14	21°18	16°36	5°41	3° 6	4°33	28°34	26°16	5°47	6°17	12°39	13°49	15° 0	7°50	T 23
F 24	4 12 57	2° 9'03	3♒16	18° 8	6°54	3°50	4°27	28°31	26°20	5°49	6°16	12°37	13°46	15° 7	7°48	F 24
S 25	4 16 54	3° 9'53	15°25	19°39	8° 8	4°33	4°21	28°27	26°24	5°51	6°15	12°D36	13°43	15°14	7°45	S 25
S 26	4 20 50	4°10'44	27°50	21°11	9°21	5°17	4°15	28°24	26°27	5°54	6°14	12°R37	13°39	15°20	7°41	S 26
M27	4 24 47	5°11'36	10♓35	22°44	10°34	6° 1	4° 9	28°20	26°31	5°56	6°12	12°37	13°36	15°27	7°38	M27
T 28	4 28 43	6°12'28	23°45	24°16	11°47	6°45	4° 3	28°17	26°35	5°58	6°11	12°35	13°33	15°34	7°35	T 28
W29	4 32 40	7°13'22	7♈25	25°49	13° 1	7°29	3°56	28°14	26°38	6° 0	6°10	12°31	13°30	15°40	7°32	W29
T 30	4 36 37	8♐14'16	21♈34	27♏22	14♑14	8♐12	3♋49	28♈11	26♏42	6♐ 3	6♊ 9	12♌25	13♌27	15♐47	7♋29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s30	3s29	3s28	7s57	1n35	22s52	1s 5	17s 9	0s 7	23n 5	0s16	8n58	2s45	18s50	0n12	19s39	1n33	10n19	11s18	16n12	16n22	17s49	16n28	6s45
T 2	14 49	1n26	4 15	7 44	1 46	23 5	1 7	17 21	0 8	23 5	0 16	8 56	2 45	18 51	0 12	19 39	1 33	10 19	11 18	16 14	16 23	17 50	16 27	6 46
F 3	15 8	6 24	4 47	7 36	1 56	23 19	1 10	17 34	0 8	23 5	0 16	8 55	2 45	18 52	0 12	19 39	1 33	10 19	11 18	16 17	16 24	17 51	16 27	6 47
S 4	15 27	11 5	5 0	7 34	2 4	23 31	1 12	17 46	0 9	23 6	0 16	8 53	2 45	18 53	0 12	19 40	1 33	10 18	11 18	16 21	16 25	17 53	16 26	6 47
S 5	15 45	15 6	4 52	7 37	2 10	23 43	1 15	17 58	0 9	23 6	0 16	8 52	2 45	18 53	0 12	19 40	1 33	10 18	11 18	16 24	16 26	17 54	16 26	6 48
M 6	16 4	18 7	4 23	7 45	2 14	23 54	1 17	18 10	0 10	23 6	0 16	8 50	2 45	18 54	0 12	19 41	1 33	10 18	11 18	16 27	16 27	17 55	16 25	6 48
T 7	16 21	19 52	3 37	7 57	2 17	24 4	1 20	18 22	0 11	23 6	0 15	8 49	2 45	18 55	0 12	19 41	1 33	10 18	11 18	16 29	16 28	17 56	16 25	6 49
W 8	16 39	20 13	2 37	8 13	2 19	24 14	1 22	18 33	0 11	23 6	0 15	8 47	2 45	18 56	0 12	19 41	1 33	10 18	11 18	16 31	16 29	17 58	16 24	6 50
T 9	16 56	19 16	1 29	8 32	2 20	24 23	1 24	18 45	0 12	23 7	0 15	8 46	2 44	18 57	0 12	19 42	1 33	10 17	11 18	16 31	16 30	17 59	16 24	6 50
F 10	17 13	17 9	0 17	8 54	2 19	24 31	1 26	18 56	0 12	23 7	0 15	8 44	2 44	18 58	0 12	19 42	1 33	10 17	11 18	16 32	16 31	18 0	16 23	6 51
S 11	17 30	14 9	0n54	9 19	2 18	24 39	1 29	19 8	0 13	23 7	0 15	8 43	2 44	18 59	0 12	19 43	1 33	10 17	11 19	16 32	16 32	18 1	16 23	6 51
S 12	17 47	10 30	2 0	9 46	2 15	24 46	1 31	19 19	0 14	23 7	0 15	8 41	2 44	19 0	0 12	19 43	1 33	10 17	11 19	16 32	16 33	18 2	16 22	6 52
M13	18 3	6 26	2 59	10 14	2 12	24 52	1 33	19 29	0 14	23 8	0 15	8 40	2 44	19 1	0 12	19 44	1 33	10 17	11 19	16 33	16 33	18 4	16 22	6 52
T 14	18 19	2 11	3 47	10 44	2 9	24 57	1 35	19 40	0 15	23 8	0 15	8 39	2 44	19 1	0 12	19 44	1 33	10 16	11 19	16 34	16 34	18 5	16 21	6 53
W15	18 34	2s 6	4 24	11 15	2 4	25 2	1 37	19 51	0 15	23 8	0 15	8 37	2 44	19 2	0 12	19 44	1 33	10 16	11 19	16 37	16 35	18 6	16 21	6 54
T 16	18 49	6 15	4 48	11 47	1 59	25 6	1 39	20 1	0 16	23 8	0 15	8 36	2 43	19 3	0 12	19 45	1 33	10 16	11 19	16 40	16 36	18 7	16 21	6 54
F 17	19 4	10 6	4 59	12 19	1 54	25 9	1 41	20 11	0 17	23 9	0 14	8 35	2 43	19 4	0 12	19 45	1 33	10 16	11 19	16 44	16 37	18 8	16 20	6 55
S 18	19 18	13 31	4 57	12 52	1 49	25 11	1 42	20 21	0 17	23 9	0 14	8 33	2 43	19 5	0 12	19 46	1 33	10 16	11 19	16 48	16 38	18 10	16 20	6 55
S 19	19 33	16 22	4 41	13 25	1 43	25 13	1 44	20 31	0 18	23 9	0 14	8 32	2 43	19 6	0 12	19 46	1 32	10 15	11 19	16 52	16 39	18 11	16 19	6 56
M20	19 46	18 32	4 13	13 58	1 37	25 14	1 46	20 41	0 18	23 10	0 14	8 31	2 43	19 7	0 12	19 46	1 32	10 15	11 19	16 56	16 40	18 12	16 19	6 56
T 21	20 0	19 53	3 34	14 31	1 30	25 14	1 48	20 50	0 19	23 10	0 14	8 30	2 43	19 8	0 12	19 47	1 32	10 15	11 19	16 59	16 41	18 13	16 19	6 57
W22	20 13	20 23	2 46	15 4	1 24	25 14	1 49	21 0	0 20	23 10	0 14	8 29	2 42	19 8	0 12	19 47	1 32	10 15	11 19	17 1	16 42	18 14	16 18	6 57
T 23	20 26	19 58	1 51	15 36	1 17	25 12	1 51	21 9	0 20	23 11	0 14	8 28	2 42	19 9	0 12	19 48	1 32	10 15	11 19	17 3	16 43	18 16	16 18	6 58
F 24	20 38	18 40	0 49	16 8	1 10	25 10	1 52	21 18	0 21	23 11	0 14	8 26	2 42	19 10	0 12	19 48	1 32	10 15	11 19	17 3	16 44	18 17	16 18	6 58
S 25	20 50	16 29	0s15	16 40	1 3	25 7	1 53	21 26	0 21	23 11	0 14	8 25	2 42	19 11	0 12	19 48	1 32	10 14	11 19	17 3	16 44	18 18	16 17	6 59
S 26	21 1	13 30	1 20	17 11	0 56	25 4	1 55	21 35	0 22	23 11	0 13	8 24	2 42	19 12	0 12	19 49	1 32	10 14	11 19	17 3	16 45	18 19	16 17	6 59
M27	21 12	9 49	2 23	17 42	0 49	24 59	1 56	21 43	0 23	23 12	0 13	8 23	2 41	19 13	0 12	19 49	1 32	10 14	11 19	17 3	16 46	18 20	16 17	7 0
T 28	21 23	5 33	3 21	18 12	0 42	24 54	1 57	21 51	0 23	23 12	0 13	8 22	2 41	19 14	0 12	19 50	1 32	10 14	11 19	17 4	16 47	18 21	16 17	7 0
W29	21 33	0 52	4 9	18 41	0 35	24 48	1 58	21 59	0 24	23 12	0 13	8 22	2 41	19 15	0 12	19 50	1 32	10 14	11 18	17 5	16 48	18 23	16 16	7 0
T 30	21s43	4n 2	4s44	19s 9	0n28	24s42	1s59	22s 7	0s24	23n13	0s13	8n21	2s41	19s15	0n12	19s50	1n32	10n14	11s18	17n 6	16n49	18s24	16n16	7s 1

Julian Day Number = 2322188.5, Delta T = 46.23 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'49, Lahiri = 18°54'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1645
geocentric

DECEMBER 1645 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 40 33	9♐15'11	6♉13	28♏54	15♑27	8♐56	3°R43	28°R 8	26♏46	6♐ 5	6°R 8	12°R17	13♌24	15♐54	7°R25	F 1
S 2	4 44 30	10°16'07	21°16	0♐28	16°40	9°40	3♋36	28♈ 5	26°49	6° 7	6♊ 7	12♌ 7	13°20	16° 1	7♋22	S 2
S 3	4 48 26	11°17'04	6♊33	2° 1	17°53	10°25	3°29	28° 2	26°53	6° 9	6° 5	11°58	13°17	16° 7	7°18	S 3
M 4	4 52 23	12°18'01	21°54	3°34	19° 6	11° 9	3°22	27°59	26°56	6°12	6° 4	11°49	13°14	16°14	7°15	M 4
T 5	4 56 19	13°19'00	7♋ 7	5° 7	20°19	11°53	3°15	27°56	27° 0	6°14	6° 3	11°43	13°11	16°21	7°11	T 5
W 6	5 0 16	14°20'00	22° 3	6°41	21°32	12°37	3° 7	27°54	27° 4	6°16	6° 2	11°38	13° 8	16°27	7° 7	W 6
T 7	5 4 13	15°21'01	6♌34	8°14	22°45	13°21	3° 0	27°51	27° 7	6°18	6° 1	11°D37	13° 4	16°34	7° 4	T 7
F 8	5 8 9	16°22'02	20°38	9°47	23°57	14° 6	2°52	27°49	27°11	6°21	6° 0	11°37	13° 1	16°41	7° 0	F 8
S 9	5 12 6	17°23'05	4♍13	11°21	25°10	14°50	2°45	27°47	27°14	6°23	5°59	11°38	12°58	16°47	6°56	S 9
S 10	5 16 2	18°24'09	17°23	12°55	26°23	15°35	2°37	27°44	27°18	6°25	5°58	11°R39	12°55	16°54	6°53	S 10
M11	5 19 59	19°25'13	0♎12	14°29	27°36	16°19	2°30	27°42	27°21	6°27	5°56	11°38	12°52	17° 1	6°49	M11
T 12	5 23 55	20°26'19	12°41	16° 3	28°48	17° 4	2°22	27°40	27°25	6°30	5°55	11°35	12°49	17° 8	6°45	T 12
W13	5 27 52	21°27'25	24°57	17°37	0♒ 1	17°48	2°14	27°39	27°28	6°32	5°54	11°30	12°45	17°14	6°41	W13
T 14	5 31 48	22°28'33	7♏ 3	19°11	1°13	18°33	2° 6	27°37	27°32	6°34	5°53	11°23	12°42	17°21	6°37	T 14
F 15	5 35 45	23°29'41	19° 1	20°45	2°26	19°18	1°58	27°35	27°35	6°36	5°52	11°14	12°39	17°28	6°33	F 15
S 16	5 39 42	24°30'49	0♐55	22°20	3°38	20° 2	1°50	27°34	27°39	6°38	5°51	11° 5	12°36	17°34	6°29	S 16
S 17	5 43 38	25°31'59	12°47	23°55	4°50	20°47	1°42	27°32	27°42	6°41	5°50	10°55	12°33	17°41	6°25	S 17
M18	5 47 35	26°33'08	24°37	25°30	6° 3	21°32	1°34	27°31	27°45	6°43	5°49	10°47	12°30	17°48	6°21	M18
T 19	5 51 31	27°34'19	6♑28	27° 5	7°15	22°17	1°26	27°30	27°49	6°45	5°48	10°40	12°26	17°54	6°17	T 19
W20	5 55 28	28°35'29	18°22	28°40	8°27	23° 2	1°18	27°28	27°52	6°47	5°47	10°35	12°23	18° 1	6°13	W20
T 21	5 59 24	29°36'40	0♒20	0♑16	9°39	23°47	1° 9	27°27	27°55	6°49	5°46	10°32	12°20	18° 8	6° 9	T 21
F 22	6 3 21	0♑37'51	12°25	1°52	10°51	24°32	1° 1	27°27	27°59	6°51	5°45	10°D32	12°17	18°15	6° 5	F 22
S 23	6 7 17	1°39'02	24°39	3°28	12° 3	25°17	0°53	27°26	28° 2	6°53	5°44	10°33	12°14	18°21	6° 0	S 23
S 24	6 11 14	2°40'12	7♓ 7	5° 5	13°15	26° 2	0°45	27°25	28° 5	6°55	5°43	10°34	12°10	18°28	5°56	S 24
M25	6 15 11	3°41'23	19°52	6°41	14°26	26°47	0°37	27°24	28° 8	6°58	5°42	10°36	12° 7	18°35	5°52	M25
T 26	6 19 7	4°42'34	2♈58	8°19	15°38	27°32	0°29	27°24	28°12	7° 0	5°41	10°R37	12° 4	18°41	5°48	T 26
W27	6 23 4	5°43'44	16°28	9°56	16°49	28°17	0°21	27°24	28°15	7° 2	5°40	10°36	12° 1	18°48	5°44	W27
T 28	6 27 0	6°44'54	0♉24	11°34	18° 1	29° 3	0°13	27°23	28°18	7° 4	5°39	10°34	11°58	18°55	5°40	T 28
F 29	6 30 57	7°46'04	14°46	13°12	19°12	29°48	0° 5	27°23	28°21	7° 6	5°38	10°30	11°55	19° 1	5°35	F 29
S 30	6 34 53	8°47'13	29°32	14°50	20°24	0♑33	29♊57	27°D23	28°24	7° 8	5°37	10°26	11°51	19° 8	5°31	S 30
S 31	6 38 50	9♑48'23	14♊35	16♑29	21♒35	1♑19	29♊49	27♈23	28♏27	7♐10	5♊36	10♌21	11♌48	19♐15	5♋27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s53	8n52	5s 2	19s37	0n21	24s34	2s 0	22s15	0s25	23n13	0s13	8n20	2s40	19s16	0n12	19s51	1n32	10n13	11s18	17n 9	16n50	18s25	16n16	7s 1
S 2	22 2	13 17	5 0	20 4	0 14	24 26	2 1	22 22	0 26	23 13	0 13	8 19	2 40	19 17	0 12	19 51	1 32	10 13	11 18	17 11	16 51	18 26	16 16	7 2
S 3	22 10	16 54	4 37	20 30	0 7	24 17	2 1	22 29	0 26	23 14	0 13	8 18	2 40	19 18	0 12	19 51	1 32	10 13	11 18	17 14	16 52	18 27	16 15	7 2
M 4	22 19	19 21	3 53	20 55	0s 0	24 8	2 2	22 36	0 27	23 14	0 12	8 17	2 40	19 19	0 12	19 52	1 32	10 13	11 18	17 17	16 53	18 28	16 15	7 2
T 5	22 26	20 24	2 54	21 19	0 7	23 58	2 3	22 42	0 27	23 14	0 12	8 17	2 39	19 20	0 12	19 52	1 32	10 13	11 18	17 18	16 54	18 30	16 15	7 3
W 6	22 34	19 59	1 43	21 42	0 14	23 47	2 3	22 49	0 28	23 15	0 12	8 16	2 39	19 20	0 12	19 53	1 32	10 13	11 18	17 20	16 54	18 31	16 15	7 3
T 7	22 41	18 14	0 27	22 4	0 21	23 35	2 3	22 55	0 28	23 15	0 12	8 15	2 39	19 21	0 12	19 53	1 32	10 13	11 18	17 20	16 55	18 32	16 15	7 4
F 8	22 47	15 24	0n48	22 25	0 27	23 23	2 4	23 1	0 29	23 15	0 12	8 15	2 39	19 22	0 12	19 53	1 32	10 13	11 18	17 20	16 56	18 33	16 15	7 4
S 9	22 53	11 49	1 58	22 44	0 34	23 10	2 4	23 7	0 30	23 15	0 12	8 14	2 38	19 23	0 12	19 54	1 32	10 13	11 18	17 20	16 57	18 34	16 14	7 4
S 10	22 59	7 45	3 0	23 3	0 40	22 57	2 4	23 12	0 30	23 16	0 12	8 14	2 38	19 24	0 12	19 54	1 32	10 12	11 18	17 19	16 58	18 35	16 14	7 4
M11	23 4	3 27	3 51	23 21	0 46	22 42	2 4	23 17	0 31	23 16	0 12	8 13	2 38	19 25	0 12	19 55	1 32	10 12	11 18	17 20	16 59	18 36	16 14	7 5
T 12	23 8	0s53	4 29	23 37	0 52	22 28	2 4	23 22	0 31	23 16	0 11	8 13	2 38	19 25	0 12	19 55	1 32	10 12	11 18	17 20	17 0	18 38	16 14	7 5
W13	23 12	5 7	4 54	23 52	0 58	22 12	2 4	23 27	0 32	23 17	0 11	8 12	2 37	19 26	0 12	19 55	1 32	10 12	11 17	17 22	17 1	18 39	16 14	7 5
T 14	23 16	9 4	5 6	24 6	1 4	21 56	2 3	23 32	0 32	23 17	0 11	8 12	2 37	19 27	0 12	19 56	1 32	10 12	11 17	17 24	17 2	18 40	16 14	7 6
F 15	23 19	12 38	5 4	24 19	1 10	21 39	2 3	23 36	0 33	23 17	0 11	8 12	2 37	19 28	0 12	19 56	1 32	10 12	11 17	17 26	17 3	18 41	16 14	7 6
S 16	23 22	15 40	4 49	24 31	1 15	21 22	2 3	23 40	0 34	23 17	0 11	8 11	2 37	19 28	0 12	19 56	1 32	10 12	11 17	17 29	17 3	18 42	16 14	7 6
S 17	23 24	18 3	4 21	24 41	1 20	21 4	2 2	23 44	0 34	23 18	0 11	8 11	2 36	19 29	0 12	19 57	1 32	10 12	11 17	17 31	17 4	18 43	16 14	7 6
M18	23 26	19 40	3 43	24 50	1 25	20 45	2 1	23 47	0 35	23 18	0 11	8 11	2 36	19 30	0 12	19 57	1 32	10 12	11 17	17 34	17 5	18 44	16 14	7 6
T 19	23 28	20 26	2 54	24 57	1 30	20 26	2 1	23 51	0 35	23 18	0 10	8 11	2 36	19 31	0 12	19 57	1 33	10 12	11 17	17 36	17 6	18 45	16 14	7 7
W20	23 29	20 17	1 57	25 3	1 35	20 7	2 0	23 54	0 36	23 18	0 10	8 10	2 35	19 32	0 12	19 58	1 33	10 12	11 17	17 37	17 7	18 46	16 14	7 7
T 21	23 29	19 13	0 55	25 8	1 39	19 47	1 59	23 57	0 36	23 19	0 10	8 10	2 35	19 32	0 12	19 58	1 33	10 12	11 16	17 38	17 8	18 47	16 14	7 7
F 22	23 29	17 16	0s10	25 11	1 43	19 26	1 58	23 59	0 37	23 19	0 10	8 10	2 35	19 33	0 12	19 58	1 33	10 12	11 16	17 38	17 9	18 49	16 14	7 7
S 23	23 28	14 32	1 16	25 13	1 47	19 5	1 57	24 1	0 37	23 19	0 10	8 10	2 35	19 34	0 12	19 59	1 33	10 12	11 16	17 38	17 10	18 50	16 14	7 7
S 24	23 27	11 5	2 20	25 13	1 50	18 43	1 55	24 3	0 38	23 19	0 10	8 10	2 34	19 34	0 12	19 59	1 33	10 12	11 16	17 37	17 11	18 51	16 14	7 7
M25	23 26	7 3	3 18	25 12	1 54	18 21	1 54	24 5	0 39	23 19	0 10	8 10	2 34	19 35	0 12	19 59	1 33	10 12	11 16	17 37	17 11	18 52	16 14	7 8
T 26	23 24	2 36	4 8	25 10	1 57	17 58	1 53	24 7	0 39	23 19	0 9	8 11	2 34	19 36	0 12	20 0	1 33	10 12	11 16	17 37	17 12	18 53	16 14	7 8
W27	23 22	2n 5	4 45	25 5	1 59	17 35	1 51	24 8	0 40	23 20	0 9	8 11	2 33	19 37	0 12	20 0	1 33	10 12	11 16	17 37	17 13	18 54	16 14	7 8
T 28	23 19	6 50	5 8	25 0	2 1	17 12	1 49	24 9	0 40	23 20	0 9	8 11	2 33	19 37	0 12	20 0	1 33	10 12	11 15	17 37	17 14	18 55	16 14	7 8
F 29	23 15	11 20	5 12	24 53	2 3	16 48	1 48	24 10	0 41	23 20	0 9	8 11	2 33	19 38	0 12	20 1	1 33	10 12	11 15	17 38	17 15	18 56	16 14	7 8
S 30	23 12	15 17	4 55	24 44	2 5	16 23	1 46	24 10	0 41	23 20	0 9	8 11	2 33	19 39	0 12	20 1	1 33	10 12	11 15	17 39	17 16	18 57	16 14	7 8
S 31	23s 7	18n18	4s19	24s33	2s 6	15s58	1s44	24s10	0s42	23n20	0s 9	8n12	2s32	19s39	0n12	20s 1	1n33	10n12	11s15	17n41	17n17	18s58	16n15	7s 8

Julian Day Number = 2322218.5, Delta T = 46.17 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'53, Lahiri = 18°54'54Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

JANUARY 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 42 46	10♑49'32	29♊48	18♑ 8	22♒46	2♑ 4	29°R41	27♈24	28♏30	7♐12	5°R35	10°R17	11♌45	19♐22	5°R23	M 1
T 2	6 46 43	11°50'41	14♋59	19°47	23°57	2°50	29♊33	27°24	28°33	7°14	5♊34	10♌14	11°42	19°28	5♋19	T 2
W 3	6 50 40	12°51'49	29°59	21°26	25° 7	3°35	29°25	27°24	28°36	7°16	5°33	10°12	11°39	19°35	5°15	W 3
T 4	6 54 36	13°52'58	14♌39	23° 6	26°18	4°21	29°18	27°25	28°39	7°17	5°32	10°D12	11°36	19°42	5°11	T 4
F 5	6 58 33	14°54'06	28°54	24°45	27°29	5° 6	29°10	27°26	28°42	7°19	5°31	10°13	11°32	19°48	5° 6	F 5
S 6	7 2 29	15°55'14	12♍42	26°25	28°39	5°52	29° 3	27°26	28°44	7°21	5°31	10°14	11°29	19°55	5° 2	S 6
S 7	7 6 26	16°56'22	26° 3	28° 5	29°50	6°38	28°55	27°27	28°47	7°23	5°30	10°16	11°26	20° 2	4°58	S 7
M 8	7 10 22	17°57'30	8♎58	29°44	1♓ 0	7°23	28°48	27°28	28°50	7°25	5°29	10°17	11°23	20° 8	4°54	M 8
T 9	7 14 19	18°58'38	21°32	1♒24	2°10	8° 9	28°41	27°29	28°53	7°27	5°28	10°R17	11°20	20°15	4°50	T 9
W10	7 18 15	19°59'46	3♏48	3° 3	3°20	8°55	28°34	27°31	28°55	7°29	5°27	10°17	11°16	20°22	4°46	W10
T 11	7 22 12	21° 0'53	15°52	4°41	4°30	9°41	28°27	27°32	28°58	7°30	5°27	10°15	11°13	20°28	4°42	T 11
F 12	7 26 9	22° 2'01	27°47	6°19	5°39	10°27	28°20	27°33	29° 1	7°32	5°26	10°12	11°10	20°35	4°38	F 12
S 13	7 30 5	23° 3'08	9♐38	7°56	6°49	11°12	28°13	27°35	29° 3	7°34	5°25	10°10	11° 7	20°42	4°34	S 13
S 14	7 34 2	24° 4'14	21°27	9°31	7°58	11°58	28° 6	27°37	29° 6	7°35	5°24	10° 7	11° 4	20°49	4°31	S 14
M15	7 37 58	25° 5'20	3♑18	11° 5	9° 7	12°44	28° 0	27°38	29° 8	7°37	5°24	10° 4	11° 1	20°55	4°27	M15
T 16	7 41 55	26° 6'25	15°14	12°37	10°16	13°30	27°53	27°40	29°11	7°39	5°23	10° 2	10°57	21° 2	4°23	T 16
W17	7 45 51	27° 7'30	27°15	14° 7	11°25	14°16	27°47	27°42	29°13	7°40	5°22	10° 1	10°54	21° 9	4°19	W17
T 18	7 49 48	28° 8'34	9♒24	15°33	12°34	15° 3	27°41	27°44	29°15	7°42	5°22	10°D 1	10°51	21°15	4°16	T 18
F 19	7 53 44	29° 9'37	21°43	16°56	13°43	15°49	27°35	27°47	29°18	7°44	5°21	10° 1	10°48	21°22	4°12	F 19
S 20	7 57 41	0♒10'39	4♓12	18°15	14°51	16°35	27°29	27°49	29°20	7°45	5°21	10° 2	10°45	21°29	4° 8	S 20
S 21	8 1 38	1°11'41	16°54	19°29	15°59	17°21	27°24	27°51	29°22	7°47	5°20	10° 3	10°42	21°35	4° 5	S 21
M22	8 5 34	2°12'41	29°50	20°38	17° 7	18° 7	27°18	27°54	29°24	7°48	5°19	10° 4	10°38	21°42	4° 1	M22
T 23	8 9 31	3°13'39	13♈ 2	21°40	18°15	18°53	27°13	27°56	29°27	7°50	5°19	10° 4	10°35	21°49	3°58	T 23
W24	8 13 27	4°14'37	26°31	22°35	19°23	19°40	27° 8	27°59	29°29	7°51	5°18	10° 5	10°32	21°55	3°54	W24
T 25	8 17 24	5°15'33	10♉20	23°22	20°30	20°26	27° 3	28° 2	29°31	7°53	5°18	10°R 5	10°29	22° 2	3°51	T 25
F 26	8 21 20	6°16'28	24°27	24° 0	21°37	21°12	26°58	28° 5	29°33	7°54	5°17	10° 4	10°26	22° 9	3°48	F 26
S 27	8 25 17	7°17'22	8♊51	24°29	22°44	21°59	26°53	28° 8	29°35	7°55	5°17	10° 4	10°22	22°16	3°45	S 27
S 28	8 29 13	8°18'14	23°29	24°47	23°51	22°45	26°49	28°11	29°36	7°57	5°16	10° 4	10°19	22°22	3°41	S 28
M29	8 33 10	9°19'05	8♋17	24°R55	24°57	23°31	26°44	28°14	29°38	7°58	5°16	10° 4	10°16	22°29	3°38	M29
T 30	8 37 7	10°19'55	23° 7	24°52	26° 4	24°18	26°40	28°18	29°40	7°59	5°15	10°D 4	10°13	22°36	3°35	T 30
W31	8 41 3	11♒20'43	7♌52	24♒38	27♓10	25♑ 4	26♊36	28♈21	29♏42	8♐ 1	5♊15	10°R 4	10♌10	22♐42	3♋32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 2	20n 5	3s24	24s21	2s 7	15s33	1s42	24s10	0s42	23n20	0s 9	8n12	2s32	19s40	0n12	20s 2	1n33	10n12	11s15	17n42	17n18	18s59	16n15	7s 8
T 2	22 57	20 25	2 14	24 7	2 7	15 8	1 39	24 10	0 43	23 21	0 8	8 12	2 32	19 41	0 12	20 2	1 33	10 12	11 15	17 43	17 19	19 0	16 15	7 8
W 3	22 52	19 17	0 56	23 52	2 7	14 42	1 37	24 9	0 43	23 21	0 8	8 13	2 31	19 41	0 12	20 2	1 33	10 12	11 14	17 43	17 19	19 1	16 15	7 8
T 4	22 45	16 51	0n24	23 35	2 7	14 15	1 35	24 9	0 44	23 21	0 8	8 13	2 31	19 42	0 12	20 2	1 33	10 12	11 14	17 43	17 20	19 2	16 15	7 8
F 5	22 39	13 27	1 41	23 17	2 6	13 49	1 32	24 7	0 44	23 21	0 8	8 14	2 31	19 43	0 12	20 3	1 33	10 12	11 14	17 43	17 21	19 4	16 15	7 8
S 6	22 32	9 25	2 49	22 57	2 4	13 22	1 30	24 6	0 45	23 21	0 8	8 14	2 30	19 43	0 12	20 3	1 33	10 12	11 14	17 43	17 22	19 5	16 16	7 8
S 7	22 24	5 2	3 46	22 35	2 2	12 54	1 27	24 4	0 45	23 21	0 8	8 15	2 30	19 44	0 12	20 3	1 33	10 12	11 14	17 42	17 23	19 6	16 16	7 8
M 8	22 17	0 34	4 30	22 11	2 0	12 27	1 24	24 2	0 46	23 21	0 8	8 16	2 30	19 44	0 12	20 4	1 33	10 12	11 13	17 42	17 24	19 7	16 16	7 8
T 9	22 8	3s47	4 59	21 47	1 56	11 59	1 21	24 0	0 46	23 21	0 7	8 16	2 30	19 45	0 12	20 4	1 33	10 12	11 13	17 42	17 25	19 8	16 16	7 8
W10	21 59	7 53	5 13	21 20	1 53	11 31	1 18	23 58	0 47	23 21	0 7	8 17	2 29	19 46	0 12	20 4	1 33	10 12	11 13	17 42	17 26	19 9	16 16	7 8
T 11	21 50	11 36	5 14	20 52	1 48	11 3	1 15	23 55	0 47	23 21	0 7	8 18	2 29	19 46	0 12	20 4	1 33	10 12	11 13	17 42	17 26	19 10	16 17	7 8
F 12	21 41	14 49	5 1	20 23	1 43	10 34	1 12	23 52	0 48	23 21	0 7	8 19	2 29	19 47	0 12	20 5	1 33	10 12	11 13	17 43	17 27	19 11	16 17	7 7
S 13	21 31	17 24	4 35	19 53	1 37	10 5	1 8	23 49	0 48	23 22	0 7	8 19	2 28	19 47	0 12	20 5	1 33	10 13	11 12	17 44	17 28	19 12	16 17	7 7
S 14	21 20	19 16	3 57	19 21	1 30	9 36	1 5	23 45	0 49	23 22	0 7	8 20	2 28	19 48	0 12	20 5	1 33	10 13	11 12	17 45	17 29	19 13	16 17	7 7
M15	21 9	20 17	3 9	18 48	1 22	9 7	1 1	23 41	0 49	23 22	0 6	8 21	2 28	19 48	0 12	20 5	1 33	10 13	11 12	17 45	17 30	19 14	16 18	7 7
T 16	20 58	20 25	2 13	18 14	1 14	8 37	0 58	23 37	0 50	23 22	0 6	8 22	2 27	19 49	0 12	20 6	1 33	10 13	11 12	17 46	17 31	19 15	16 18	7 7
W17	20 46	19 36	1 10	17 40	1 5	8 7	0 54	23 33	0 50	23 22	0 6	8 23	2 27	19 49	0 12	20 6	1 33	10 13	11 11	17 46	17 32	19 16	16 18	7 7
T 18	20 34	17 53	0 3	17 4	0 55	7 38	0 50	23 28	0 51	23 22	0 6	8 24	2 27	19 50	0 12	20 6	1 33	10 13	11 11	17 46	17 33	19 17	16 19	7 6
F 19	20 22	15 19	1s 4	16 29	0 44	7 8	0 46	23 24	0 51	23 22	0 6	8 25	2 27	19 50	0 12	20 6	1 33	10 13	11 11	17 46	17 33	19 18	16 19	7 6
S 20	20 9	12 0	2 10	15 53	0 32	6 37	0 42	23 18	0 52	23 22	0 6	8 26	2 26	19 51	0 12	20 6	1 33	10 13	11 11	17 46	17 34	19 19	16 19	7 6
S 21	19 56	8 7	3 11	15 18	0 19	6 7	0 38	23 13	0 52	23 22	0 6	8 27	2 26	19 51	0 12	20 7	1 33	10 13	11 11	17 46	17 35	19 20	16 20	7 6
M22	19 42	3 47	4 3	14 44	0 5	5 37	0 34	23 7	0 53	23 22	0 5	8 29	2 26	19 52	0 12	20 7	1 33	10 14	11 10	17 45	17 36	19 21	16 20	7 6
T 23	19 28	0n48	4 43	14 10	0n 9	5 6	0 29	23 2	0 53	23 22	0 5	8 30	2 25	19 52	0 12	20 7	1 33	10 14	11 10	17 45	17 37	19 22	16 20	7 5
W24	19 14	5 27	5 9	13 38	0 24	4 36	0 25	22 55	0 54	23 22	0 5	8 31	2 25	19 53	0 12	20 7	1 33	10 14	11 10	17 45	17 38	19 23	16 21	7 5
T 25	18 59	9 55	5 18	13 7	0 40	4 5	0 20	22 49	0 54	23 22	0 5	8 32	2 25	19 53	0 12	20 7	1 34	10 14	11 10	17 45	17 39	19 24	16 21	7 5
F 26	18 44	13 56	5 8	12 39	0 57	3 34	0 16	22 42	0 54	23 22	0 5	8 34	2 25	19 54	0 12	20 8	1 34	10 14	11 9	17 45	17 40	19 25	16 21	7 4
S 27	18 29	17 14	4 39	12 13	1 14	3 4	0 11	22 35	0 55	23 22	0 5	8 35	2 24	19 54	0 12	20 8	1 34	10 14	11 9	17 45	17 40	19 26	16 22	7 4
S 28	18 13	19 29	3 51	11 51	1 31	2 33	0 6	22 28	0 55	23 22	0 5	8 36	2 24	19 55	0 12	20 8	1 34	10 15	11 9	17 45	17 41	19 27	16 22	7 4
M29	17 57	20 26	2 48	11 32	1 48	2 2	0 2	22 21	0 56	23 22	0 4	8 38	2 24	19 55	0 12	20 8	1 34	10 15	11 9	17 45	17 42	19 28	16 23	7 4
T 30	17 41	19 58	1 33	11 17	2 6	1 31	0n 3	22 13	0 56	23 22	0 4	8 39	2 23	19 55	0 12	20 8	1 34	10 15	11 8	17 45	17 43	19 29	16 23	7 3
W31	17s24	18n 8	0s12	11s 6	2n22	1s 0	0n 8	22s 5	0s57	23n22	0s 4	8n41	2s23	19s56	0n12	20s 9	1n34	10n15	11s 8	17n45	17n44	19s30	16n23	7s 3

Julian Day Number = 2322249.5, Delta T = 46.11 sec
Ecliptic obliquity = 23°29'00, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°47'57, Lahiri = 18°54'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

FEBRUARY 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 45 0	12♒21'31	22♌25	24°R12	28♓15	25♉51	26°R33	28♈25	29♏44	8♐ 2	5°R15	10°R 4	10♌ 7	22♐49	3°R29	T 1
F 2	8 48 56	13°22'16	6♍39	23♒37	29°21	26°37	26♊29	28°28	29°45	8° 3	5♊14	10♌ 4	10° 3	22°56	3♋27	F 2
S 3	8 52 53	14°23'01	20°31	22°52	0♈26	27°24	26°26	28°32	29°47	8° 4	5°14	10° 3	10° 0	23° 2	3°24	S 3
S 4	8 56 49	15°23'45	3♎58	21°59	1°31	28°10	26°22	28°36	29°48	8° 5	5°14	10° 3	9°57	23° 9	3°21	S 4
M 5	9 0 46	16°24'27	17° 1	20°58	2°35	28°57	26°19	28°40	29°50	8° 7	5°13	10° 2	9°54	23°16	3°19	M 5
T 6	9 4 42	17°25'08	29°41	19°53	3°40	29°44	26°17	28°44	29°51	8° 8	5°13	10° 1	9°51	23°22	3°16	T 6
W 7	9 8 39	18°25'48	12♏ 2	18°44	4°43	0♒30	26°14	28°48	29°53	8° 9	5°13	10° 1	9°47	23°29	3°14	W 7
T 8	9 12 36	19°26'27	24° 8	17°34	5°47	1°17	26°12	28°52	29°54	8°10	5°13	10°D 1	9°44	23°36	3°11	T 8
F 9	9 16 32	20°27'05	6♐ 4	16°25	6°50	2° 4	26° 9	28°56	29°55	8°11	5°13	10° 1	9°41	23°42	3° 9	F 9
S 10	9 20 29	21°27'42	17°55	15°18	7°53	2°50	26° 7	29° 0	29°57	8°12	5°12	10° 2	9°38	23°49	3° 7	S 10
S 11	9 24 25	22°28'17	29°44	14°14	8°56	3°37	26° 6	29° 5	29°58	8°13	5°12	10° 3	9°35	23°56	3° 4	S 11
M12	9 28 22	23°28'52	11♉37	13°16	9°58	4°24	26° 4	29° 9	29°59	8°13	5°12	10° 5	9°32	24° 3	3° 2	M12
T 13	9 32 18	24°29'24	23°37	12°23	11° 0	5°11	26° 2	29°14	0♐ 0	8°14	5°12	10° 6	9°28	24° 9	3° 0	T 13
W14	9 36 15	25°29'56	5♒47	11°38	12° 2	5°57	26° 1	29°19	0° 1	8°15	5°12	10°R 6	9°25	24°16	2°58	W14
T 15	9 40 11	26°30'25	18° 9	10°59	13° 3	6°44	26° 0	29°23	0° 2	8°16	5°12	10° 6	9°22	24°23	2°57	T 15
F 16	9 44 8	27°30'54	0♓45	10°28	14° 4	7°31	25°59	29°28	0° 3	8°17	5°12	10° 5	9°19	24°29	2°55	F 16
S 17	9 48 5	28°31'20	13°35	10° 5	15° 4	8°18	25°59	29°33	0° 4	8°17	5°12	10° 3	9°16	24°36	2°53	S 17
S 18	9 52 1	29°31'45	26°39	9°49	16° 4	9° 5	25°58	29°38	0° 5	8°18	5°D12	10° 1	9°13	24°43	2°52	S 18
M19	9 55 58	0♓32'07	9♈57	9°40	17° 3	9°51	25°58	29°43	0° 6	8°19	5°12	9°57	9° 9	24°49	2°50	M19
T 20	9 59 54	1°32'28	23°28	9°D38	18° 2	10°38	25°D58	29°49	0° 6	8°19	5°12	9°54	9° 6	24°56	2°49	T 20
W21	10 3 51	2°32'47	7♉10	9°43	19° 1	11°25	25°58	29°54	0° 7	8°20	5°12	9°52	9° 3	25° 3	2°47	W21
T 22	10 7 47	3°33'04	21° 3	9°54	19°59	12°12	25°59	29°59	0° 8	8°21	5°12	9°50	9° 0	25° 9	2°46	T 22
F 23	10 11 44	4°33'19	5♊ 6	10°11	20°56	12°59	25°59	0♉ 5	0° 8	8°21	5°12	9°D50	8°57	25°16	2°45	F 23
S 24	10 15 40	5°33'32	19°16	10°33	21°53	13°46	26° 0	0°10	0° 9	8°22	5°12	9°50	8°53	25°23	2°44	S 24
S 25	10 19 37	6°33'43	3♋33	11° 0	22°49	14°33	26° 1	0°16	0° 9	8°22	5°12	9°51	8°50	25°29	2°43	S 25
M26	10 23 34	7°33'52	17°53	11°33	23°45	15°20	26° 2	0°21	0°10	8°23	5°13	9°53	8°47	25°36	2°42	M26
T 27	10 27 30	8°33'58	2♌14	12° 9	24°40	16° 7	26° 4	0°27	0°10	8°23	5°13	9°54	8°44	25°43	2°41	T 27
W28	10 31 27	9♓34'03	16♌32	12♒50	25♈35	16♒54	26♊ 5	0♉33	0♐10	8♐23	5♊13	9°R54	8♌41	25♐49	2♋41	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 8	15n 8	1n 8	10s59	2n38	0s29	0n14	21s57	0s57	23n22	0s 4	8n42	2s23	19s56	0n12	20s 9	1n34	10n15	11s 8	17n45	17n45	19s30	16n24	7s 3
F 2	16 50	11 17	2 22	10 57	2 53	0n 2	0 19	21 48	0 57	23 22	0 4	8 44	2 23	19 56	0 12	20 9	1 34	10 16	11 7	17 45	17 46	19 31	16 24	7 2
S 3	16 33	6 56	3 26	10 59	3 6	0 32	0 24	21 40	0 58	23 22	0 4	8 45	2 22	19 57	0 12	20 9	1 34	10 16	11 7	17 46	17 46	19 32	16 25	7 2
S 4	16 15	2 21	4 17	11 5	3 18	1 3	0 29	21 31	0 58	23 23	0 3	8 47	2 22	19 57	0 12	20 9	1 34	10 16	11 7	17 46	17 47	19 33	16 25	7 1
M 5	15 57	2s12	4 52	11 15	3 28	1 34	0 35	21 22	0 59	23 23	0 3	8 48	2 22	19 57	0 12	20 9	1 34	10 16	11 7	17 46	17 48	19 34	16 26	7 1
T 6	15 39	6 30	5 12	11 28	3 35	2 5	0 40	21 12	0 59	23 23	0 3	8 50	2 22	19 58	0 12	20 9	1 34	10 16	11 6	17 46	17 49	19 35	16 26	7 1
W 7	15 20	10 26	5 17	11 44	3 40	2 35	0 46	21 3	0 59	23 23	0 3	8 52	2 21	19 58	0 12	20 10	1 34	10 17	11 6	17 46	17 50	19 36	16 27	7 0
T 8	15 1	13 52	5 8	12 3	3 43	3 6	0 52	20 53	1 0	23 23	0 3	8 54	2 21	19 58	0 12	20 10	1 34	10 17	11 6	17 46	17 51	19 37	16 27	7 0
F 9	14 42	16 41	4 45	12 23	3 44	3 36	0 57	20 43	1 0	23 23	0 3	8 55	2 21	19 59	0 12	20 10	1 34	10 17	11 6	17 46	17 51	19 38	16 27	6 59
S 10	14 23	18 46	4 11	12 45	3 42	4 6	1 3	20 32	1 0	23 23	0 3	8 57	2 21	19 59	0 12	20 10	1 34	10 17	11 5	17 46	17 52	19 39	16 28	6 59
S 11	14 3	20 3	3 26	13 7	3 38	4 36	1 9	20 22	1 1	23 23	0 3	8 59	2 20	19 59	0 12	20 10	1 34	10 18	11 5	17 46	17 53	19 40	16 28	6 59
M12	13 43	20 28	2 31	13 29	3 32	5 6	1 15	20 11	1 1	23 23	0 2	9 1	2 20	19 59	0 12	20 10	1 34	10 18	11 5	17 45	17 54	19 41	16 29	6 58
T 13	13 23	19 56	1 30	13 51	3 24	5 36	1 21	20 0	1 2	23 23	0 2	9 3	2 20	20 0	0 12	20 10	1 34	10 18	11 5	17 45	17 55	19 42	16 29	6 58
W14	13 3	18 28	0 24	14 12	3 15	6 6	1 27	19 49	1 2	23 23	0 2	9 4	2 20	20 0	0 12	20 10	1 34	10 18	11 4	17 45	17 56	19 43	16 30	6 57
T 15	12 42	16 7	0s44	14 32	3 5	6 36	1 33	19 38	1 2	23 23	0 2	9 6	2 19	20 0	0 12	20 10	1 34	10 19	11 4	17 45	17 57	19 43	16 30	6 57
F 16	12 21	12 58	1 52	14 52	2 54	7 5	1 39	19 26	1 3	23 24	0 2	9 8	2 19	20 0	0 12	20 10	1 34	10 19	11 4	17 45	17 57	19 44	16 31	6 56
S 17	12 1	9 9	2 55	15 9	2 42	7 34	1 46	19 14	1 3	23 24	0 2	9 10	2 19	20 0	0 12	20 10	1 35	10 19	11 3	17 46	17 58	19 45	16 31	6 56
S 18	11 40	4 51	3 49	15 26	2 29	8 3	1 52	19 2	1 3	23 24	0 2	9 12	2 19	20 1	0 12	20 11	1 35	10 19	11 3	17 46	17 59	19 46	16 32	6 55
M19	11 18	0 14	4 33	15 40	2 16	8 32	1 58	18 50	1 4	23 24	0 1	9 14	2 18	20 1	0 12	20 11	1 35	10 20	11 3	17 47	18 0	19 47	16 32	6 55
T 20	10 57	4n27	5 2	15 54	2 3	9 0	2 5	18 37	1 4	23 24	0 1	9 16	2 18	20 1	0 12	20 11	1 35	10 20	11 3	17 48	18 1	19 48	16 33	6 54
W21	10 35	8 58	5 14	16 5	1 50	9 29	2 11	18 25	1 4	23 24	0 1	9 18	2 18	20 1	0 12	20 11	1 35	10 20	11 2	17 49	18 2	19 49	16 33	6 54
T 22	10 13	13 5	5 9	16 15	1 37	9 57	2 17	18 12	1 4	23 24	0 1	9 20	2 18	20 1	0 12	20 11	1 35	10 20	11 2	17 49	18 2	19 50	16 34	6 53
F 23	9 51	16 31	4 45	16 23	1 24	10 24	2 24	17 59	1 5	23 24	0 1	9 22	2 17	20 1	0 12	20 11	1 35	10 21	11 2	17 49	18 3	19 51	16 34	6 53
S 24	9 29	19 0	4 3	16 29	1 11	10 52	2 31	17 46	1 5	23 25	0 1	9 25	2 17	20 1	0 12	20 11	1 35	10 21	11 2	17 49	18 4	19 51	16 35	6 52
S 25	9 7	20 20	3 7	16 34	0 58	11 19	2 37	17 32	1 5	23 25	0 1	9 27	2 17	20 1	0 12	20 11	1 35	10 21	11 1	17 49	18 5	19 52	16 36	6 52
M26	8 45	20 20	1 58	16 37	0 46	11 46	2 44	17 19	1 6	23 25	0 1	9 29	2 17	20 2	0 12	20 11	1 35	10 22	11 1	17 48	18 6	19 53	16 36	6 51
T 27	8 22	19 1	0 42	16 39	0 33	12 13	2 50	17 5	1 6	23 25	0 0	9 31	2 17	20 2	0 12	20 11	1 35	10 22	11 1	17 48	18 7	19 54	16 37	6 51
W28	8s 0	16n29	0n36	16s39	0n22	12n39	2n57	16s51	1s 6	23n25	0s 0	9n33	2s16	20s 2	0n12	20s11	1n35	10n22	11s 0	17n48	18n 7	19s55	16n37	6s50

Julian Day Number = 2322280.5, Delta T = 46.05 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'02, Lahiri = 18°55'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

MARCH 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 23	10♓34'05	0♍42	13♒35	26♈29	17♒41	26♊ 7	0♉38	0♐10	8♐24	5♊13	9°R53	8♌38	25♐56	2°R40	T 1
F 2	10 39 20	11°34'06	14°40	14°23	27°22	18°28	26° 9	0°44	0°11	8°24	5°13	9♌50	8°34	26° 3	2♋40	F 2
S 3	10 43 16	12°34'04	28°22	15°15	28°14	19°14	26°11	0°50	0°11	8°24	5°14	9°45	8°31	26° 9	2°39	S 3
S 4	10 47 13	13°34'01	11♎44	16°10	29° 6	20° 1	26°13	0°56	0°11	8°24	5°14	9°39	8°28	26°16	2°39	S 4
M 5	10 51 9	14°33'56	24°47	17° 8	29°57	20°48	26°16	1° 2	0°R11	8°25	5°14	9°34	8°25	26°23	2°39	M 5
T 6	10 55 6	15°33'49	7♏29	18° 8	0♉47	21°35	26°19	1° 8	0°11	8°25	5°15	9°28	8°22	26°30	2°39	T 6
W 7	10 59 3	16°33'41	19°52	19°11	1°37	22°22	26°21	1°15	0°11	8°25	5°15	9°23	8°19	26°36	2°D39	W 7
T 8	11 2 59	17°33'30	2♐ 1	20°16	2°25	23° 9	26°24	1°21	0°11	8°25	5°15	9°20	8°15	26°43	2°39	T 8
F 9	11 6 56	18°33'18	13°58	21°24	3°13	23°56	26°28	1°27	0°10	8°25	5°16	9°D19	8°12	26°50	2°39	F 9
S 10	11 10 52	19°33'05	25°50	22°34	4° 0	24°43	26°31	1°33	0°10	8°R25	5°16	9°19	8° 9	26°56	2°39	S 10
S 11	11 14 49	20°32'49	7♑40	23°46	4°46	25°30	26°35	1°40	0°10	8°25	5°17	9°20	8° 6	27° 3	2°39	S 11
M12	11 18 45	21°32'32	19°33	25° 0	5°31	26°17	26°39	1°46	0° 9	8°25	5°17	9°22	8° 3	27°10	2°40	M12
T 13	11 22 42	22°32'13	1♒36	26°16	6°15	27° 4	26°43	1°53	0° 9	8°25	5°18	9°23	7°59	27°16	2°40	T 13
W14	11 26 38	23°31'53	13°52	27°33	6°58	27°51	26°47	1°59	0° 9	8°25	5°18	9°R23	7°56	27°23	2°41	W14
T 15	11 30 35	24°31'30	26°24	28°53	7°40	28°38	26°51	2° 6	0° 8	8°25	5°19	9°22	7°53	27°30	2°42	T 15
F 16	11 34 31	25°31'06	9♓15	0♓14	8°21	29°25	26°56	2°13	0° 8	8°25	5°19	9°18	7°50	27°36	2°42	F 16
S 17	11 38 28	26°30'39	22°25	1°36	9° 1	0♓12	27° 0	2°19	0° 7	8°24	5°20	9°12	7°47	27°43	2°43	S 17
S 18	11 42 25	27°30'10	5♈54	3° 1	9°39	0°59	27° 5	2°26	0° 6	8°24	5°21	9° 5	7°44	27°50	2°44	S 18
M19	11 46 21	28°29'40	19°39	4°26	10°17	1°46	27°10	2°33	0° 6	8°24	5°21	8°57	7°40	27°56	2°45	M19
T 20	11 50 18	29°29'07	3♉37	5°54	10°53	2°33	27°15	2°40	0° 5	8°24	5°22	8°48	7°37	28° 3	2°47	T 20
W21	11 54 14	0♈28'32	17°43	7°22	11°27	3°20	27°21	2°47	0° 4	8°23	5°22	8°41	7°34	28°10	2°48	W21
T 22	11 58 11	1°27'55	1♊54	8°53	12° 0	4° 7	27°26	2°54	0° 3	8°23	5°23	8°35	7°31	28°16	2°49	T 22
F 23	12 2 7	2°27'15	16° 6	10°24	12°32	4°54	27°32	3° 1	0° 2	8°22	5°24	8°32	7°28	28°23	2°51	F 23
S 24	12 6 4	3°26'33	0♋16	11°57	13° 2	5°41	27°38	3° 8	0° 1	8°22	5°25	8°D31	7°24	28°30	2°52	S 24
S 25	12 10 0	4°25'49	14°23	13°32	13°31	6°28	27°44	3°15	0° 0	8°22	5°25	8°31	7°21	28°36	2°54	S 25
M26	12 13 57	5°25'03	28°25	15° 8	13°58	7°15	27°50	3°22	29♏59	8°21	5°26	8°32	7°18	28°43	2°55	M26
T 27	12 17 54	6°24'14	12♌22	16°45	14°23	8° 2	27°56	3°29	29°58	8°21	5°27	8°R32	7°15	28°50	2°57	T 27
W28	12 21 50	7°23'22	26°13	18°24	14°47	8°48	28° 3	3°36	29°57	8°20	5°28	8°31	7°12	28°56	2°59	W28
T 29	12 25 47	8°22'28	9♍56	20° 4	15° 9	9°35	28° 9	3°44	29°56	8°19	5°28	8°27	7° 9	29° 3	3° 1	T 29
F 30	12 29 43	9°21'33	23°29	21°46	15°29	10°22	28°16	3°51	29°54	8°19	5°29	8°20	7° 5	29°10	3° 3	F 30
S 31	12 33 40	10♈20'34	6♎50	23♓29	15♉46	11♓ 9	28♊23	3♉58	29♏53	8♐18	5♊30	8♌12	7♌ 2	29♐16	3♋ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s37	12n59	1n52	16s37	0n10	13n 5	3n 4	16s37	1s 6	23n25	0s 0	9n35	2s16	20s 2	0n12	20s11	1n35	10n23	11s 0	17n48	18n 8	19s56	16n38	6s50
F 2	7 14	8 48	2 59	16 34	0s 1	13 31	3 10	16 23	1 7	23 26	0 0	9 38	2 16	20 2	0 12	20 11	1 35	10 23	11 0	17 49	18 9	19 57	16 38	6 49
S 3	6 51	4 14	3 54	16 29	0 12	13 56	3 17	16 8	1 7	23 26	0n 0	9 40	2 16	20 2	0 12	20 11	1 35	10 23	11 0	17 50	18 10	19 57	16 39	6 49
S 4	6 28	0s25	4 36	16 22	0 22	14 21	3 24	15 54	1 7	23 26	0 0	9 42	2 16	20 2	0 12	20 11	1 35	10 23	10 59	17 52	18 11	19 58	16 39	6 48
M 5	6 5	4 56	5 1	16 14	0 32	14 45	3 31	15 39	1 7	23 26	0 0	9 44	2 15	20 2	0 12	20 11	1 35	10 24	10 59	17 54	18 12	19 59	16 40	6 48
T 6	5 42	9 7	5 11	16 5	0 42	15 10	3 37	15 24	1 8	23 26	0 0	9 47	2 15	20 2	0 12	20 11	1 35	10 24	10 59	17 55	18 12	20 0	16 40	6 47
W 7	5 19	12 49	5 6	15 54	0 51	15 33	3 44	15 9	1 8	23 27	0 1	9 49	2 15	20 2	0 12	20 11	1 35	10 24	10 59	17 56	18 13	20 1	16 41	6 47
T 8	4 55	15 54	4 47	15 42	1 0	15 57	3 51	14 54	1 8	23 27	0 1	9 51	2 15	20 2	0 12	20 11	1 35	10 25	10 58	17 57	18 14	20 2	16 41	6 46
F 9	4 32	18 17	4 16	15 28	1 8	16 20	3 57	14 38	1 8	23 27	0 1	9 54	2 15	20 2	0 12	20 11	1 35	10 25	10 58	17 57	18 15	20 2	16 42	6 46
S 10	4 9	19 50	3 35	15 13	1 16	16 42	4 4	14 23	1 8	23 27	0 1	9 56	2 15	20 2	0 12	20 11	1 36	10 25	10 58	17 57	18 16	20 3	16 43	6 45
S 11	3 45	20 32	2 44	14 56	1 23	17 4	4 11	14 7	1 9	23 27	0 1	9 58	2 14	20 2	0 12	20 11	1 36	10 26	10 57	17 57	18 17	20 4	16 43	6 44
M12	3 22	20 19	1 46	14 38	1 30	17 26	4 17	13 51	1 9	23 28	0 1	10 1	2 14	20 1	0 12	20 11	1 36	10 26	10 57	17 57	18 17	20 5	16 44	6 44
T 13	2 58	19 9	0 42	14 18	1 37	17 47	4 24	13 35	1 9	23 28	0 1	10 3	2 14	20 1	0 12	20 10	1 36	10 26	10 57	17 56	18 18	20 6	16 44	6 43
W14	2 34	17 5	0s24	13 57	1 43	18 7	4 31	13 19	1 9	23 28	0 1	10 6	2 14	20 1	0 12	20 10	1 36	10 27	10 57	17 56	18 19	20 6	16 45	6 43
T 15	2 11	14 10	1 31	13 35	1 49	18 27	4 37	13 3	1 9	23 28	0 2	10 8	2 14	20 1	0 12	20 10	1 36	10 27	10 56	17 57	18 20	20 7	16 45	6 42
F 16	1 47	10 30	2 34	13 11	1 54	18 47	4 44	12 47	1 9	23 29	0 2	10 10	2 14	20 1	0 12	20 10	1 36	10 28	10 56	17 58	18 21	20 8	16 46	6 42
S 17	1 23	6 14	3 31	12 46	1 59	19 6	4 50	12 30	1 10	23 29	0 2	10 13	2 13	20 1	0 12	20 10	1 36	10 28	10 56	17 59	18 22	20 9	16 46	6 41
S 18	1 0	1 35	4 17	12 20	2 3	19 25	4 56	12 14	1 10	23 29	0 2	10 15	2 13	20 1	0 12	20 10	1 36	10 28	10 56	18 1	18 22	20 10	16 47	6 41
M19	0 36	3n14	4 50	11 52	2 7	19 43	5 3	11 57	1 10	23 29	0 2	10 18	2 13	20 1	0 12	20 10	1 36	10 29	10 55	18 3	18 23	20 10	16 47	6 40
T 20	0 12	7 57	5 5	11 24	2 11	20 0	5 9	11 40	1 10	23 29	0 2	10 20	2 13	20 1	0 12	20 10	1 36	10 29	10 55	18 6	18 24	20 11	16 48	6 40
W21	0n11	12 18	5 3	10 53	2 14	20 17	5 15	11 23	1 10	23 30	0 2	10 23	2 13	20 0	0 12	20 10	1 36	10 29	10 55	18 7	18 25	20 12	16 48	6 39
T 22	0 35	15 58	4 42	10 22	2 16	20 33	5 21	11 6	1 10	23 30	0 2	10 25	2 13	20 0	0 12	20 10	1 36	10 30	10 55	18 9	18 26	20 13	16 49	6 38
F 23	0 59	18 43	4 4	9 49	2 19	20 49	5 27	10 49	1 10	23 30	0 2	10 28	2 12	20 0	0 12	20 10	1 36	10 30	10 54	18 10	18 26	20 14	16 49	6 38
S 24	1 22	20 19	3 10	9 15	2 20	21 4	5 33	10 32	1 10	23 30	0 3	10 30	2 12	20 0	0 12	20 10	1 36	10 30	10 54	18 10	18 27	20 14	16 50	6 37
S 25	1 46	20 37	2 6	8 40	2 22	21 18	5 38	10 15	1 10	23 30	0 3	10 33	2 12	20 0	0 12	20 9	1 36	10 31	10 54	18 10	18 28	20 15	16 50	6 37
M26	2 9	19 38	0 54	8 3	2 22	21 31	5 44	9 57	1 10	23 31	0 3	10 35	2 12	19 59	0 12	20 9	1 36	10 31	10 54	18 10	18 29	20 16	16 51	6 36
T 27	2 33	17 27	0n21	7 26	2 23	21 44	5 49	9 40	1 11	23 31	0 3	10 38	2 12	19 59	0 12	20 9	1 36	10 31	10 53	18 10	18 30	20 17	16 51	6 36
W28	2 56	14 16	1 33	6 47	2 22	21 56	5 54	9 22	1 11	23 31	0 3	10 40	2 12	19 59	0 12	20 9	1 36	10 32	10 53	18 10	18 30	20 17	16 52	6 35
T 29	3 20	10 19	2 40	6 7	2 22	22 7	5 59	9 5	1 11	23 31	0 3	10 43	2 12	19 59	0 12	20 9	1 36	10 32	10 53	18 11	18 31	20 18	16 52	6 35
F 30	3 43	5 54	3 36	5 25	2 21	22 18	6 4	8 47	1 11	23 32	0 3	10 46	2 12	19 58	0 12	20 9	1 36	10 33	10 53	18 13	18 32	20 19	16 53	6 34
S 31	4n 6	1n15	4n20	4s43	2s19	22n28	6n 9	8s29	1s11	23n32	0n 3	10n48	2s11	19s58	0n12	20s 9	1n36	10n33	10s53	18n15	18n33	20s20	16n53	6s34

Julian Day Number = 2322308.5, Delta T = 46.00 sec
Ecliptic obliquity = 23°29'02, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'06, Lahiri = 18°55'06Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

APRIL 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 36	11♈19'34	19♎58	25♓14	16♉ 2	11♓56	28♊30	4♉ 5	29°R52	8°R17	5♊31	8°R 1	6♌59	29♐23	3♋ 7	S 1
M 2	12 41 33	12°18'32	2♏49	27° 0	16°16	12°42	28°37	4°13	29♏50	8♐17	5°32	7♌50	6°56	29°30	3°10	M 2
T 3	12 45 29	13°17'28	15°25	28°47	16°28	13°29	28°44	4°20	29°49	8°16	5°33	7°38	6°53	29°36	3°12	T 3
W 4	12 49 26	14°16'22	27°45	0♈36	16°37	14°16	28°52	4°27	29°48	8°15	5°34	7°29	6°50	29°43	3°15	W 4
T 5	12 53 23	15°15'15	9♐52	2°26	16°45	15° 3	28°59	4°35	29°46	8°14	5°34	7°21	6°46	29°50	3°17	T 5
F 6	12 57 19	16°14'05	21°49	4°18	16°50	15°49	29° 7	4°42	29°45	8°14	5°35	7°16	6°43	29°56	3°20	F 6
S 7	13 1 16	17°12'54	3♑40	6°12	16°52	16°36	29°15	4°50	29°43	8°13	5°36	7°13	6°40	0♑ 3	3°23	S 7
S 8	13 5 12	18°11'41	15°29	8° 7	16°R53	17°23	29°23	4°57	29°41	8°12	5°37	7°D12	6°37	0°10	3°25	S 8
M 9	13 9 9	19°10'26	27°23	10° 3	16°51	18°10	29°31	5° 5	29°40	8°11	5°38	7°12	6°34	0°16	3°28	M 9
T 10	13 13 5	20° 9'10	9♒26	12° 1	16°46	18°56	29°39	5°12	29°38	8°10	5°39	7°R12	6°30	0°23	3°31	T 10
W11	13 17 2	21° 7'52	21°43	14° 0	16°39	19°43	29°48	5°20	29°36	8° 9	5°40	7°11	6°27	0°30	3°34	W11
T 12	13 20 58	22° 6'32	4♓20	16° 1	16°30	20°29	29°56	5°27	29°35	8° 8	5°41	7° 8	6°24	0°37	3°37	T 12
F 13	13 24 55	23° 5'10	17°20	18° 3	16°18	21°16	0♋ 5	5°35	29°33	8° 7	5°42	7° 3	6°21	0°43	3°41	F 13
S 14	13 28 52	24° 3'46	0♈44	20° 7	16° 4	22° 3	0°14	5°43	29°31	8° 6	5°43	6°55	6°18	0°50	3°44	S 14
S 15	13 32 48	25° 2'21	14°32	22°11	15°47	22°49	0°22	5°50	29°29	8° 5	5°45	6°45	6°15	0°57	3°47	S 15
M16	13 36 45	26° 0'54	28°40	24°17	15°28	23°36	0°31	5°58	29°27	8° 4	5°46	6°33	6°11	1° 3	3°51	M16
T 17	13 40 41	26°59'25	13♉ 5	26°24	15° 7	24°22	0°40	6° 5	29°25	8° 3	5°47	6°22	6° 8	1°10	3°54	T 17
W18	13 44 38	27°57'54	27°38	28°31	14°43	25° 8	0°50	6°13	29°23	8° 2	5°48	6°11	6° 5	1°17	3°58	W18
T 19	13 48 34	28°56'21	12♊14	0♉39	14°18	25°55	0°59	6°21	29°21	8° 1	5°49	6° 3	6° 2	1°23	4° 1	T 19
F 20	13 52 31	29°54'46	26°45	2°48	13°50	26°41	1° 8	6°28	29°19	7°59	5°50	5°58	5°59	1°30	4° 5	F 20
S 21	13 56 27	0♉53'09	11♋ 7	4°56	13°20	27°28	1°18	6°36	29°17	7°58	5°51	5°55	5°55	1°37	4° 9	S 21
S 22	14 0 24	1°51'29	25°17	7° 5	12°49	28°14	1°28	6°44	29°15	7°57	5°52	5°54	5°52	1°43	4°13	S 22
M23	14 4 21	2°49'48	9♌15	9°13	12°16	29° 0	1°37	6°52	29°13	7°56	5°54	5°54	5°49	1°50	4°17	M23
T 24	14 8 17	3°48'04	23° 0	11°20	11°42	29°46	1°47	6°59	29°11	7°55	5°55	5°53	5°46	1°57	4°21	T 24
W25	14 12 14	4°46'18	6♍32	13°27	11° 6	0♈33	1°57	7° 7	29° 8	7°53	5°56	5°51	5°43	2° 3	4°25	W25
T 26	14 16 10	5°44'30	19°53	15°32	10°30	1°19	2° 7	7°15	29° 6	7°52	5°57	5°46	5°40	2°10	4°29	T 26
F 27	14 20 7	6°42'41	3♎ 3	17°35	9°53	2° 5	2°17	7°22	29° 4	7°51	5°58	5°39	5°36	2°17	4°33	F 27
S 28	14 24 3	7°40'49	16° 2	19°37	9°15	2°51	2°28	7°30	29° 2	7°49	6° 0	5°28	5°33	2°23	4°37	S 28
S 29	14 28 0	8°38'55	28°49	21°36	8°37	3°37	2°38	7°38	29° 0	7°48	6° 1	5°16	5°30	2°30	4°42	S 29
M30	14 31 56	9♉37'00	11♏25	23♉33	7♉59	4♈23	2♋48	7♉45	28♏57	7♐47	6♊ 2	5♌ 3	5♌27	2♑37	4♋46	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n29	3s22	4n48	3s59	2s17	22n36	6n13	8s11	1s11	23n32	0n 3	10n51	2s11	19s58	0n12	20s 8	1n37	10n33	10s52	18n18	18n34	20s20	16n54	6s33
M 2	4 52	7 45	5 2	3 15	2 14	22 44	6 17	7 54	1 11	23 32	0 3	10 53	2 11	19 57	0 12	20 8	1 37	10 34	10 52	18 21	18 34	20 21	16 54	6 33
T 3	5 15	11 42	5 0	2 29	2 11	22 51	6 20	7 36	1 11	23 32	0 4	10 56	2 11	19 57	0 12	20 8	1 37	10 34	10 52	18 24	18 35	20 22	16 55	6 32
W 4	5 38	15 4	4 45	1 42	2 7	22 57	6 24	7 18	1 11	23 32	0 4	10 58	2 11	19 57	0 12	20 8	1 37	10 34	10 52	18 26	18 36	20 22	16 55	6 32
T 5	6 1	17 45	4 16	0 54	2 3	23 2	6 27	6 59	1 11	23 33	0 4	11 1	2 11	19 57	0 12	20 8	1 37	10 35	10 51	18 28	18 37	20 23	16 56	6 31
F 6	6 24	19 37	3 37	0 6	1 58	23 6	6 30	6 41	1 11	23 33	0 4	11 4	2 11	19 56	0 12	20 8	1 37	10 35	10 51	18 29	18 38	20 24	16 56	6 31
S 7	6 46	20 38	2 48	0n44	1 53	23 9	6 32	6 23	1 11	23 33	0 4	11 6	2 11	19 56	0 12	20 7	1 37	10 35	10 51	18 30	18 38	20 25	16 57	6 30
S 8	7 9	20 43	1 53	1 35	1 47	23 11	6 34	6 5	1 11	23 33	0 4	11 9	2 11	19 56	0 12	20 7	1 37	10 36	10 51	18 30	18 39	20 25	16 57	6 30
M 9	7 31	19 52	0 52	2 26	1 41	23 12	6 35	5 47	1 11	23 33	0 4	11 11	2 11	19 55	0 12	20 7	1 37	10 36	10 51	18 30	18 40	20 26	16 57	6 29
T 10	7 53	18 7	0s12	3 19	1 34	23 12	6 36	5 28	1 11	23 33	0 4	11 14	2 10	19 55	0 12	20 7	1 37	10 37	10 50	18 30	18 41	20 27	16 58	6 29
W11	8 16	15 30	1 16	4 12	1 27	23 10	6 36	5 10	1 11	23 33	0 4	11 16	2 10	19 54	0 12	20 7	1 37	10 37	10 50	18 31	18 42	20 27	16 58	6 28
T 12	8 38	12 5	2 19	5 5	1 19	23 7	6 36	4 51	1 11	23 33	0 4	11 19	2 10	19 54	0 12	20 7	1 37	10 37	10 50	18 31	18 42	20 28	16 59	6 28
F 13	8 59	8 1	3 16	6 0	1 11	23 3	6 36	4 33	1 11	23 34	0 5	11 22	2 10	19 54	0 12	20 6	1 37	10 38	10 50	18 33	18 43	20 29	16 59	6 27
S 14	9 21	3 26	4 4	6 54	1 3	22 58	6 34	4 14	1 10	23 34	0 5	11 24	2 10	19 53	0 12	20 6	1 37	10 38	10 50	18 35	18 44	20 29	16 59	6 27
S 15	9 43	1n27	4 39	7 49	0 54	22 51	6 33	3 56	1 10	23 34	0 5	11 27	2 10	19 53	0 12	20 6	1 37	10 38	10 49	18 37	18 45	20 30	17 0	6 26
M16	10 4	6 23	4 58	8 45	0 44	22 43	6 30	3 37	1 10	23 34	0 5	11 29	2 10	19 52	0 12	20 6	1 37	10 39	10 49	18 40	18 46	20 31	17 0	6 26
T 17	10 25	11 2	4 59	9 40	0 35	22 33	6 27	3 19	1 10	23 34	0 5	11 32	2 10	19 52	0 12	20 6	1 37	10 39	10 49	18 43	18 46	20 31	17 1	6 25
W18	10 46	15 7	4 40	10 35	0 25	22 22	6 23	3 0	1 10	23 34	0 5	11 34	2 10	19 52	0 12	20 5	1 37	10 39	10 49	18 46	18 47	20 32	17 1	6 25
T 19	11 7	18 17	4 4	11 30	0 14	22 10	6 19	2 42	1 10	23 34	0 5	11 37	2 10	19 51	0 12	20 5	1 37	10 40	10 49	18 48	18 48	20 33	17 1	6 24
F 20	11 28	20 15	3 11	12 24	0 4	21 57	6 13	2 23	1 10	23 34	0 5	11 40	2 10	19 51	0 12	20 5	1 37	10 40	10 48	18 49	18 49	20 33	17 2	6 24
S 21	11 48	20 54	2 7	13 18	0n 7	21 42	6 7	2 5	1 10	23 34	0 5	11 42	2 10	19 50	0 12	20 5	1 37	10 40	10 48	18 50	18 50	20 34	17 2	6 23
S 22	12 8	20 12	0 56	14 11	0 18	21 26	6 1	1 46	1 10	23 34	0 5	11 45	2 10	19 50	0 12	20 4	1 37	10 41	10 48	18 50	18 50	20 35	17 2	6 23
M23	12 29	18 16	0n18	15 2	0 28	21 8	5 53	1 28	1 9	23 34	0 6	11 47	2 10	19 49	0 12	20 4	1 37	10 41	10 48	18 50	18 51	20 35	17 3	6 22
T 24	12 48	15 17	1 29	15 53	0 39	20 50	5 45	1 9	1 9	23 34	0 6	11 50	2 10	19 49	0 12	20 4	1 37	10 42	10 48	18 50	18 52	20 36	17 3	6 22
W25	13 8	11 31	2 34	16 42	0 50	20 30	5 36	0 50	1 9	23 34	0 6	11 52	2 10	19 49	0 12	20 4	1 37	10 42	10 48	18 51	18 53	20 37	17 3	6 22
T 26	13 28	7 14	3 30	17 29	1 0	20 9	5 26	0 32	1 9	23 34	0 6	11 55	2 10	19 48	0 12	20 4	1 37	10 42	10 48	18 52	18 53	20 37	17 4	6 21
F 27	13 47	2 40	4 14	18 14	1 10	19 48	5 16	0 13	1 9	23 34	0 6	11 57	2 10	19 48	0 12	20 3	1 37	10 43	10 47	18 54	18 54	20 38	17 4	6 21
S 28	14 6	1s58	4 43	18 57	1 20	19 25	5 5	0n 5	1 9	23 34	0 6	12 0	2 9	19 47	0 12	20 3	1 37	10 43	10 47	18 56	18 55	20 39	17 4	6 20
S 29	14 25	6 26	4 58	19 38	1 29	19 2	4 54	0 24	1 8	23 34	0 6	12 2	2 9	19 47	0 12	20 3	1 37	10 43	10 47	18 59	18 56	20 39	17 4	6 20
M30	14n43	10s33	4n58	20n16	1n38	18n38	4n42	0n42	1s 8	23n33	0n 6	12n 5	2s 9	19s46	0n12	20s 3	1n37	10n44	10s47	19n 2	18n57	20s40	17n 5	6s20

Julian Day Number = 2322339.5, Delta T = 45.94 sec
Ecliptic obliquity = 23°29'02, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'10, Lahiri = 18°55'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

MAY 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 35 53	10♉35'03	23♏48	25♉28	7°R21	5♈ 9	2♋59	7♉53	28°R55	7°R45	6♊ 3	4°R49	5♌24	2♎43	4♋51	T 1
W 2	14 39 49	11°33'05	6♐ 0	27°19	6♉44	5°55	3°10	8° 1	28♏53	7♐44	6° 5	4♌38	5°21	2°50	4°55	W 2
T 3	14 43 46	12°31'05	18° 2	29° 8	6° 8	6°41	3°20	8° 9	28°50	7°42	6° 6	4°28	5°17	2°57	5° 0	T 3
F 4	14 47 43	13°29'03	29°56	0♊54	5°33	7°27	3°31	8°16	28°48	7°41	6° 7	4°21	5°14	3° 3	5° 4	F 4
S 5	14 51 39	14°27'00	11♎45	2°36	4°58	8°13	3°42	8°24	28°45	7°40	6° 8	4°17	5°11	3°10	5° 9	S 5
S 6	14 55 36	15°24'56	23°33	4°15	4°26	8°59	3°53	8°32	28°43	7°38	6°10	4°15	5° 8	3°17	5°14	S 6
M 7	14 59 32	16°22'51	5♒25	5°50	3°55	9°44	4° 4	8°39	28°41	7°37	6°11	4°D15	5° 5	3°23	5°19	M 7
T 8	15 3 29	17°20'44	17°27	7°22	3°25	10°30	4°15	8°47	28°38	7°35	6°12	4°R15	5° 1	3°30	5°23	T 8
W 9	15 7 25	18°18'36	29°44	8°50	2°58	11°16	4°26	8°55	28°36	7°34	6°14	4°14	4°58	3°37	5°28	W 9
T 10	15 11 22	19°16'27	12♓20	10°14	2°32	12° 1	4°37	9° 2	28°33	7°32	6°15	4°12	4°55	3°43	5°33	T 10
F 11	15 15 18	20°14'16	25°21	11°35	2° 9	12°47	4°49	9°10	28°31	7°31	6°16	4° 8	4°52	3°50	5°38	F 11
S 12	15 19 15	21°12'04	8♈49	12°52	1°48	13°33	5° 0	9°18	28°28	7°29	6°18	4° 1	4°49	3°57	5°43	S 12
S 13	15 23 12	22° 9'51	22°45	14° 5	1°29	14°18	5°12	9°25	28°26	7°28	6°19	3°53	4°46	4° 3	5°49	S 13
M14	15 27 8	23° 7'37	7♉ 7	15°15	1°13	15° 4	5°23	9°33	28°23	7°26	6°20	3°42	4°42	4°10	5°54	M14
T 15	15 31 5	24° 5'22	21°49	16°20	0°59	15°49	5°35	9°40	28°21	7°24	6°22	3°32	4°39	4°17	5°59	T 15
W16	15 35 1	25° 3'05	6♊43	17°21	0°48	16°34	5°47	9°48	28°19	7°23	6°23	3°22	4°36	4°23	6° 4	W16
T 17	15 38 58	26° 0'47	21°42	18°19	0°38	17°20	5°58	9°55	28°16	7°21	6°24	3°15	4°33	4°30	6°10	T 17
F 18	15 42 54	26°58'28	6♋35	19°12	0°32	18° 5	6°10	10° 3	28°14	7°20	6°26	3°10	4°30	4°37	6°15	F 18
S 19	15 46 51	27°56'07	21°16	20° 1	0°27	18°50	6°22	10°10	28°11	7°18	6°27	3° 8	4°27	4°43	6°21	S 19
S 20	15 50 47	28°53'45	5♌39	20°45	0°D25	19°35	6°34	10°18	28° 9	7°16	6°28	3°D 7	4°23	4°50	6°26	S 20
M21	15 54 44	29°51'21	19°43	21°25	0°26	20°21	6°46	10°25	28° 6	7°15	6°30	3° 8	4°20	4°57	6°32	M21
T 22	15 58 41	0♊48'55	3♍28	22° 1	0°28	21° 6	6°58	10°33	28° 4	7°13	6°31	3°R 8	4°17	5° 3	6°37	T 22
W23	16 2 37	1°46'28	16°54	22°33	0°33	21°51	7°10	10°40	28° 1	7°12	6°32	3° 7	4°14	5°10	6°43	W23
T 24	16 6 34	2°44'00	0♎ 3	22°59	0°40	22°36	7°22	10°47	27°59	7°10	6°34	3° 4	4°11	5°17	6°48	T 24
F 25	16 10 30	3°41'30	12°57	23°21	0°49	23°20	7°35	10°55	27°56	7° 8	6°35	2°58	4° 7	5°23	6°54	F 25
S 26	16 14 27	4°38'59	25°39	23°39	1° 1	24° 5	7°47	11° 2	27°54	7° 7	6°37	2°50	4° 4	5°30	7° 0	S 26
S 27	16 18 23	5°36'27	8♏ 9	23°52	1°14	24°50	7°59	11° 9	27°51	7° 5	6°38	2°41	4° 1	5°37	7° 6	S 27
M28	16 22 20	6°33'53	20°28	24° 0	1°30	25°35	8°12	11°17	27°49	7° 4	6°39	2°31	3°58	5°43	7°11	M28
T 29	16 26 16	7°31'19	2♐38	24°R 4	1°47	26°20	8°24	11°24	27°46	7° 2	6°41	2°21	3°55	5°50	7°17	T 29
W30	16 30 13	8°28'43	14°40	24° 3	2° 6	27° 4	8°37	11°31	27°44	7° 0	6°42	2°12	3°52	5°57	7°23	W30
T 31	16 34 10	9♊26'07	26♐35	23♊57	2♉27	27♈49	8♋49	11♉38	27♏41	6♐59	6♊43	2♌ 5	3♌48	6♎ 3	7♋29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 2	14s10	4n44	20n52	1n46	18n14	4n29	1n 1	1s 8	23n33	0n 6	12n 7	2s 9	19s46	0n12	20s 2	1n38	10n44	10s47	19n 6	18n57	20s40	17n 5	6s19
W 2	15 20	17 8	4 17	21 26	1 53	17 49	4 16	1 19	1 8	23 33	0 6	12 10	2 9	19 45	0 12	20 2	1 38	10 44	10 47	19 8	18 58	20 41	17 5	6 19
T 3	15 37	19 19	3 39	21 57	2 0	17 24	4 3	1 37	1 8	23 33	0 6	12 12	2 9	19 45	0 12	20 2	1 38	10 45	10 47	19 11	18 59	20 42	17 5	6 18
F 4	15 55	20 38	2 51	22 26	2 6	17 0	3 49	1 56	1 7	23 33	0 7	12 15	2 9	19 44	0 12	20 2	1 38	10 45	10 46	19 12	19 0	20 42	17 5	6 18
S 5	16 12	21 2	1 56	22 52	2 11	16 35	3 35	2 14	1 7	23 33	0 7	12 17	2 9	19 44	0 12	20 1	1 38	10 45	10 46	19 13	19 0	20 43	17 6	6 18
S 6	16 29	20 30	0 56	23 15	2 16	16 11	3 21	2 32	1 7	23 32	0 7	12 20	2 9	19 43	0 12	20 1	1 38	10 46	10 46	19 14	19 1	20 43	17 6	6 17
M 7	16 46	19 3	0s 6	23 37	2 20	15 46	3 7	2 51	1 7	23 32	0 7	12 22	2 9	19 43	0 12	20 1	1 38	10 46	10 46	19 14	19 2	20 44	17 6	6 17
T 8	17 3	16 44	1 10	23 55	2 23	15 23	2 53	3 9	1 6	23 32	0 7	12 25	2 9	19 42	0 12	20 1	1 38	10 46	10 46	19 14	19 3	20 45	17 6	6 17
W 9	17 19	13 38	2 11	24 12	2 25	15 0	2 38	3 27	1 6	23 31	0 7	12 27	2 9	19 41	0 12	20 0	1 38	10 47	10 46	19 14	19 4	20 45	17 6	6 16
T 10	17 35	9 50	3 8	24 26	2 26	14 38	2 24	3 45	1 6	23 31	0 7	12 30	2 9	19 41	0 12	20 0	1 38	10 47	10 46	19 15	19 4	20 46	17 6	6 16
F 11	17 50	5 28	3 56	24 38	2 26	14 16	2 9	4 3	1 5	23 31	0 7	12 32	2 9	19 40	0 12	20 0	1 38	10 47	10 46	19 16	19 5	20 46	17 7	6 16
S 12	18 6	0 42	4 34	24 47	2 26	13 55	1 55	4 21	1 5	23 31	0 7	12 34	2 9	19 40	0 12	20 0	1 38	10 48	10 45	19 17	19 6	20 47	17 7	6 15
S 13	18 21	4n16	4 57	24 55	2 24	13 36	1 41	4 39	1 5	23 30	0 7	12 37	2 9	19 39	0 12	19 59	1 38	10 48	10 45	19 19	19 7	20 47	17 7	6 15
M14	18 35	9 9	5 2	25 1	2 22	13 17	1 27	4 57	1 5	23 30	0 7	12 39	2 9	19 39	0 12	19 59	1 38	10 48	10 45	19 22	19 7	20 48	17 7	6 15
T 15	18 50	13 37	4 47	25 5	2 18	12 59	1 14	5 15	1 4	23 29	0 7	12 41	2 9	19 38	0 12	19 59	1 38	10 48	10 45	19 24	19 8	20 49	17 7	6 14
W16	19 4	17 19	4 13	25 6	2 14	12 43	1 0	5 33	1 4	23 29	0 8	12 44	2 9	19 38	0 12	19 59	1 38	10 49	10 45	19 26	19 9	20 49	17 7	6 14
T 17	19 18	19 52	3 22	25 7	2 9	12 27	0 47	5 50	1 4	23 29	0 8	12 46	2 9	19 37	0 12	19 58	1 38	10 49	10 45	19 28	19 10	20 50	17 7	6 14
F 18	19 31	21 3	2 16	25 5	2 3	12 13	0 35	6 8	1 3	23 28	0 8	12 48	2 10	19 37	0 12	19 58	1 38	10 49	10 45	19 29	19 10	20 50	17 7	6 13
S 19	19 44	20 46	1 3	25 2	1 56	12 0	0 22	6 25	1 3	23 28	0 8	12 51	2 10	19 36	0 12	19 58	1 38	10 50	10 45	19 30	19 11	20 51	17 7	6 13
S 20	19 57	19 7	0n14	24 57	1 48	11 48	0 10	6 43	1 3	23 27	0 8	12 53	2 10	19 35	0 12	19 57	1 38	10 50	10 45	19 30	19 12	20 51	17 7	6 13
M21	20 9	16 19	1 27	24 51	1 39	11 37	0s 2	7 0	1 2	23 27	0 8	12 55	2 10	19 35	0 12	19 57	1 38	10 50	10 45	19 30	19 13	20 52	17 7	6 13
T 22	20 22	12 39	2 35	24 44	1 29	11 27	0 13	7 17	1 2	23 26	0 8	12 58	2 10	19 34	0 12	19 57	1 38	10 50	10 45	19 30	19 13	20 52	17 7	6 12
W23	20 33	8 26	3 32	24 35	1 19	11 19	0 24	7 35	1 1	23 26	0 8	13 0	2 10	19 34	0 12	19 57	1 38	10 51	10 45	19 30	19 14	20 53	17 7	6 12
T 24	20 45	3 54	4 16	24 25	1 7	11 11	0 35	7 52	1 1	23 25	0 8	13 2	2 10	19 33	0 12	19 56	1 38	10 51	10 45	19 31	19 15	20 53	17 7	6 12
F 25	20 56	0s43	4 47	24 14	0 55	11 5	0 45	8 9	1 1	23 24	0 8	13 4	2 10	19 33	0 12	19 56	1 38	10 51	10 45	19 32	19 16	20 54	17 7	6 11
S 26	21 6	5 14	5 2	24 2	0 42	11 0	0 55	8 26	1 0	23 24	0 8	13 6	2 10	19 32	0 12	19 56	1 38	10 52	10 44	19 34	19 16	20 54	17 7	6 11
S 27	21 17	9 27	5 3	23 48	0 28	10 55	1 4	8 42	1 0	23 23	0 9	13 9	2 10	19 32	0 12	19 56	1 38	10 52	10 44	19 36	19 17	20 55	17 7	6 11
M28	21 27	13 14	4 50	23 34	0 13	10 52	1 13	8 59	0 59	23 22	0 9	13 11	2 10	19 31	0 12	19 55	1 38	10 52	10 44	19 38	19 18	20 55	17 7	6 11
T 29	21 36	16 25	4 24	23 19	0s 2	10 50	1 22	9 16	0 59	23 22	0 9	13 13	2 10	19 31	0 12	19 55	1 38	10 52	10 44	19 40	19 19	20 56	17 7	6 11
W30	21 46	18 51	3 46	23 3	0 18	10 49	1 31	9 32	0 59	23 21	0 9	13 15	2 10	19 30	0 12	19 55	1 38	10 53	10 44	19 42	19 19	20 56	17 7	6 10
T 31	21n54	20s28	2n58	22n47	0s34	10n48	1s39	9n49	0s58	23n20	0n 9	13n17	2s10	19s30	0n12	19s55	1n38	10n53	10s44	19n44	19n20	20s57	17n 7	6s10

Julian Day Number = 2322369.5, Delta T = 45.88 sec
Ecliptic obliquity = 23°29'02, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'14, Lahiri = 18°55'14Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

JUNE 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	⚷	⚸	⚳	⚴	⚵	Day
F 1	16 38 6	10♊23'30	8♑25	23°R47	2♉50	28♈33	9♋ 2	11♉45	27°R39	6°R57	6♊45	1°R59	3♌45	6♑10	7♋35		F 1
S 2	16 42 3	11°20'52	20°13	23♊34	3°14	29°18	9°14	11°52	27♏37	6♐55	6°46	1♌57	3°42	6°16	7°41		S 2
S 3	16 45 59	12°18'14	2♒ 1	23°16	3°40	0♉ 2	9°27	11°59	27°34	6°54	6°48	1°D56	3°39	6°23	7°47		S 3
M 4	16 49 56	13°15'35	13°54	22°55	4° 8	0°47	9°40	12° 6	27°32	6°52	6°49	1°57	3°36	6°30	7°53		M 4
T 5	16 53 52	14°12'55	25°56	22°30	4°37	1°31	9°53	12°13	27°29	6°51	6°50	1°58	3°33	6°36	7°59		T 5
W 6	16 57 49	15°10'15	8♓12	22° 3	5° 8	2°15	10° 5	12°20	27°27	6°49	6°52	1°59	3°29	6°43	8° 5		W 6
T 7	17 1 45	16° 7'34	20°47	21°33	5°40	2°59	10°18	12°27	27°25	6°47	6°53	1°R59	3°26	6°50	8°11		T 7
F 8	17 5 42	17° 4'53	3♈45	21° 1	6°13	3°43	10°31	12°34	27°22	6°46	6°54	1°58	3°23	6°56	8°17		F 8
S 9	17 9 39	18° 2'11	17°10	20°28	6°48	4°28	10°44	12°41	27°20	6°44	6°56	1°54	3°20	7° 3	8°24		S 9
S 10	17 13 35	18°59'30	1♉ 3	19°55	7°24	5°12	10°57	12°48	27°18	6°43	6°57	1°50	3°17	7°10	8°30		S 10
M11	17 17 32	19°56'47	15°25	19°21	8° 1	5°56	11°10	12°54	27°16	6°41	6°58	1°44	3°13	7°16	8°36		M11
T 12	17 21 28	20°54'05	0♊10	18°47	8°40	6°39	11°23	13° 1	27°13	6°39	7° 0	1°38	3°10	7°23	8°42		T 12
W13	17 25 25	21°51'22	15°13	18°14	9°19	7°23	11°36	13° 8	27°11	6°38	7° 1	1°32	3° 7	7°30	8°48		W13
T 14	17 29 21	22°48'39	0♋23	17°43	9°59	8° 7	11°49	13°14	27° 9	6°36	7° 2	1°28	3° 4	7°36	8°55		T 14
F 15	17 33 18	23°45'55	15°32	17°14	10°41	8°51	12° 2	13°21	27° 7	6°35	7° 4	1°25	3° 1	7°43	9° 1		F 15
S 16	17 37 15	24°43'11	0♌30	16°47	11°23	9°34	12°15	13°27	27° 5	6°33	7° 5	1°D24	2°58	7°50	9° 7		S 16
S 17	17 41 11	25°40'26	15° 9	16°24	12° 7	10°18	12°28	13°34	27° 3	6°32	7° 6	1°25	2°54	7°56	9°14		S 17
M18	17 45 8	26°37'40	29°26	16° 4	12°51	11° 1	12°42	13°40	27° 1	6°30	7° 8	1°26	2°51	8° 3	9°20		M18
T 19	17 49 4	27°34'53	13♍19	15°47	13°36	11°45	12°55	13°46	26°59	6°29	7° 9	1°28	2°48	8°10	9°27		T 19
W20	17 53 1	28°32'06	26°48	15°35	14°22	12°28	13° 8	13°53	26°57	6°27	7°10	1°R28	2°45	8°16	9°33		W20
T 21	17 56 57	29°29'19	9♎55	15°26	15° 9	13°12	13°21	13°59	26°55	6°26	7°12	1°28	2°42	8°23	9°39		T 21
F 22	18 0 54	0♋26'31	22°42	15°D23	15°56	13°55	13°35	14° 5	26°53	6°24	7°13	1°26	2°39	8°30	9°46		F 22
S 23	18 4 50	1°23'42	5♏14	15°24	16°45	14°38	13°48	14°11	26°51	6°23	7°14	1°23	2°35	8°36	9°52		S 23
S 24	18 8 47	2°20'53	17°32	15°29	17°34	15°21	14° 1	14°17	26°49	6°22	7°16	1°19	2°32	8°43	9°59		S 24
M25	18 12 44	3°18'04	29°40	15°40	18°23	16° 4	14°14	14°23	26°47	6°20	7°17	1°14	2°29	8°50	10° 5		M25
T 26	18 16 40	4°15'14	11♐39	15°55	19°14	16°47	14°28	14°29	26°45	6°19	7°18	1° 9	2°26	8°56	10°12		T 26
W27	18 20 37	5°12'25	23°33	16°16	20° 5	17°30	14°41	14°35	26°43	6°17	7°19	1° 5	2°23	9° 3	10°18		W27
T 28	18 24 33	6° 9'35	5♑23	16°41	20°57	18°13	14°54	14°41	26°42	6°16	7°20	1° 2	2°19	9°10	10°25		T 28
F 29	18 28 30	7° 6'45	17°12	17°11	21°49	18°55	15° 8	14°46	26°40	6°15	7°22	1° 0	2°16	9°16	10°31		F 29
S 30	18 32 26	8♋ 3'56	29♑ 0	17♊46	22♉42	19♉38	15♋21	14♉52	26♏38	6♐13	7♊23	1°D 0	2♌13	9♑23	10♋38		S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚷	⚸	⚳	⚴	⚵		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
F 1	22n 3	21s10	2n 3	22n29	0s51	10n49	1s46	10n 5	0s58	23n19	0n 9	13n19	2s10	19s29	0n12	19s54	1n38	10n53	10s44	19n45	19n21	20s57	17n 7	6s10		
S 2	22 11	20 55	1 3	22 12	1 8	10 50	1 54	10 21	0 57	23 19	0 9	13 21	2 10	19 28	0 12	19 54	1 38	10 53	10 44	19 46	19 22	20 58	17 6	6 10		
S 3	22 19	19 45	0s 0	21 54	1 25	10 52	2 1	10 37	0 57	23 18	0 9	13 24	2 10	19 28	0 12	19 54	1 38	10 54	10 44	19 46	19 22	20 58	17 6	6 10		
M 4	22 26	17 43	1 4	21 35	1 42	10 55	2 7	10 53	0 56	23 17	0 9	13 26	2 10	19 27	0 12	19 54	1 38	10 54	10 44	19 46	19 23	20 59	17 6	6 9		
T 5	22 33	14 53	2 6	21 17	1 59	10 59	2 14	11 9	0 56	23 16	0 9	13 28	2 11	19 27	0 12	19 53	1 38	10 54	10 44	19 46	19 24	20 59	17 6	6 9		
W 6	22 39	11 21	3 4	20 59	2 16	11 4	2 20	11 25	0 55	23 15	0 9	13 30	2 11	19 26	0 12	19 53	1 38	10 54	10 44	19 45	19 25	21 0	17 6	6 9		
T 7	22 46	7 14	3 54	20 41	2 33	11 9	2 25	11 40	0 55	23 14	0 9	13 32	2 11	19 26	0 12	19 53	1 38	10 54	10 44	19 45	19 25	21 0	17 6	6 9		
F 8	22 51	2 41	4 33	20 23	2 48	11 15	2 31	11 56	0 54	23 13	0 10	13 34	2 11	19 25	0 12	19 53	1 38	10 55	10 44	19 46	19 26	21 1	17 5	6 9		
S 9	22 57	2n 8	5 0	20 5	3 3	11 21	2 36	12 11	0 54	23 13	0 10	13 36	2 11	19 25	0 12	19 52	1 38	10 55	10 44	19 46	19 27	21 1	17 5	6 9		
S 10	23 2	7 1	5 10	19 49	3 18	11 28	2 41	12 26	0 53	23 12	0 10	13 38	2 11	19 24	0 12	19 52	1 38	10 55	10 44	19 47	19 28	21 1	17 5	6 9		
M11	23 6	11 41	5 1	19 33	3 31	11 36	2 45	12 42	0 53	23 11	0 10	13 39	2 11	19 24	0 12	19 52	1 38	10 55	10 44	19 49	19 28	21 2	17 5	6 8		
T 12	23 10	15 47	4 33	19 18	3 43	11 44	2 49	12 56	0 52	23 10	0 10	13 41	2 11	19 23	0 12	19 52	1 38	10 55	10 44	19 50	19 29	21 2	17 4	6 8		
W13	23 14	18 56	3 45	19 5	3 54	11 53	2 53	13 11	0 52	23 9	0 10	13 43	2 11	19 23	0 12	19 51	1 38	10 56	10 44	19 51	19 30	21 3	17 4	6 8		
T 14	23 17	20 48	2 41	18 53	4 3	12 2	2 57	13 26	0 51	23 7	0 10	13 45	2 11	19 22	0 11	19 51	1 38	10 56	10 44	19 52	19 31	21 3	17 4	6 8		
F 15	23 20	21 10	1 25	18 42	4 12	12 12	3 1	13 41	0 51	23 6	0 10	13 47	2 12	19 22	0 11	19 51	1 37	10 56	10 44	19 53	19 31	21 4	17 3	6 8		
S 16	23 23	20 0	0 5	18 33	4 18	12 22	3 4	13 55	0 50	23 5	0 10	13 49	2 12	19 21	0 11	19 51	1 37	10 56	10 44	19 53	19 32	21 4	17 3	6 8		
S 17	23 25	17 30	1n14	18 25	4 24	12 32	3 7	14 9	0 49	23 4	0 10	13 51	2 12	19 21	0 11	19 50	1 37	10 56	10 44	19 53	19 33	21 4	17 3	6 8		
M18	23 26	13 59	2 27	18 19	4 28	12 43	3 10	14 23	0 49	23 3	0 10	13 52	2 12	19 20	0 11	19 50	1 37	10 57	10 44	19 53	19 33	21 5	17 2	6 8		
T 19	23 28	9 47	3 29	18 15	4 30	12 54	3 12	14 37	0 48	23 2	0 11	13 54	2 12	19 20	0 11	19 50	1 37	10 57	10 44	19 52	19 34	21 5	17 2	6 8		
W20	23 29	5 13	4 18	18 13	4 31	13 5	3 14	14 51	0 48	23 1	0 11	13 56	2 12	19 20	0 11	19 50	1 37	10 57	10 44	19 52	19 35	21 6	17 2	6 8		
T 21	23 29	0 32	4 51	18 12	4 31	13 17	3 16	15 5	0 47	22 59	0 11	13 58	2 12	19 19	0 11	19 49	1 37	10 57	10 45	19 52	19 36	21 6	17 1	6 8		
F 22	23 29	4s 4	5 9	18 13	4 29	13 28	3 18	15 18	0 47	22 58	0 11	13 59	2 12	19 19	0 11	19 49	1 37	10 57	10 45	19 53	19 36	21 6	17 1	6 8		
S 23	23 29	8 23	5 12	18 16	4 26	13 40	3 20	15 32	0 46	22 57	0 11	14 1	2 13	19 18	0 11	19 49	1 37	10 57	10 45	19 53	19 37	21 7	17 0	6 8		
S 24	23 28	12 17	5 1	18 21	4 22	13 53	3 21	15 45	0 45	22 56	0 11	14 3	2 13	19 18	0 11	19 49	1 37	10 57	10 45	19 54	19 38	21 7	17 0	6 8		
M25	23 27	15 38	4 36	18 27	4 17	14 5	3 23	15 58	0 45	22 54	0 11	14 4	2 13	19 17	0 11	19 49	1 37	10 58	10 45	19 55	19 39	21 7	16 59	6 8		
T 26	23 25	18 17	3 59	18 34	4 11	14 18	3 24	16 11	0 44	22 53	0 11	14 6	2 13	19 17	0 11	19 48	1 37	10 58	10 45	19 56	19 39	21 8	16 59	6 8		
W27	23 23	20 8	3 12	18 43	4 4	14 30	3 25	16 23	0 43	22 52	0 11	14 7	2 13	19 17	0 11	19 48	1 37	10 58	10 45	19 57	19 40	21 8	16 59	6 7		
T 28	23 20	21 6	2 16	18 54	3 56	14 43	3 25	16 36	0 43	22 50	0 11	14 9	2 13	19 16	0 11	19 48	1 37	10 58	10 45	19 58	19 41	21 9	16 58	6 8		
F 29	23 18	21 8	1 15	19 6	3 47	14 56	3 26	16 48	0 42	22 49	0 11	14 10	2 13	19 16	0 11	19 48	1 37	10 58	10 45	19 58	19 41	21 9	16 58	6 8		
S 30	23n14	20s13	0n11	19n18	3s38	15n 9	3s26	17n 0	0s42	22n47	0n11	14n12	2s13	19s15	0n11	19s48	1n37	10n58	10s45	19n58	19n42	21s 9	16n57	6s 8		

Julian Day Number = 2322400.5, Delta T = 45.82 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'18, Lahiri = 18°55'19Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

JULY 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 23	9♋ 1'06	10♒52	18♊26	23♉35	20♉21	15♋35	14♉58	26°R37	6°R12	7♊24	1♌ 0	2♌10	9♑30	10♋44	S 1
M 2	18 40 19	9°58'17	22°50	19°11	24°29	21° 3	15°48	15° 3	26♏35	6♐11	7°25	1° 1	2° 7	9°36	10°51	M 2
T 3	18 44 16	10°55'27	4♓57	20° 0	25°24	21°46	16° 1	15° 9	26°34	6° 9	7°27	1° 2	2° 4	9°43	10°57	T 3
W 4	18 48 13	11°52'39	17°16	20°55	26°19	22°28	16°15	15°14	26°32	6° 8	7°28	1° 4	2° 0	9°50	11° 4	W 4
T 5	18 52 9	12°49'50	29°52	21°53	27°14	23°10	16°28	15°19	26°31	6° 7	7°29	1° 5	1°57	9°56	11°10	T 5
F 6	18 56 6	13°47'02	12♈49	22°57	28°10	23°53	16°42	15°25	26°29	6° 6	7°30	1°R 5	1°54	10° 3	11°17	F 6
S 7	19 0 2	14°44'15	26° 9	24° 5	29° 7	24°35	16°55	15°30	26°28	6° 5	7°31	1° 5	1°51	10°10	11°23	S 7
S 8	19 3 59	15°41'28	9♉54	25°17	0♊ 4	25°17	17° 9	15°35	26°26	6° 3	7°32	1° 4	1°48	10°16	11°30	S 8
M 9	19 7 55	16°38'42	24° 6	26°34	1° 1	25°59	17°22	15°40	26°25	6° 2	7°33	1° 3	1°45	10°23	11°36	M 9
T 10	19 11 52	17°35'56	8♊42	27°55	1°59	26°41	17°35	15°45	26°24	6° 1	7°34	1° 1	1°41	10°30	11°43	T 10
W11	19 15 48	18°33'11	23°38	29°20	2°57	27°23	17°49	15°50	26°23	6° 0	7°36	1° 0	1°38	10°36	11°49	W11
T 12	19 19 45	19°30'27	8♋45	0♋50	3°56	28° 4	18° 2	15°55	26°21	5°59	7°37	0°58	1°35	10°43	11°56	T 12
F 13	19 23 42	20°27'43	23°56	2°23	4°55	28°46	18°16	15°59	26°20	5°58	7°38	0°D58	1°32	10°49	12° 2	F 13
S 14	19 27 38	21°25'00	9♌ 0	4° 0	5°54	29°28	18°29	16° 4	26°19	5°57	7°39	0°58	1°29	10°56	12° 9	S 14
S 15	19 31 35	22°22'16	23°50	5°41	6°53	0♊ 9	18°43	16° 9	26°18	5°56	7°40	0°58	1°25	11° 3	12°15	S 15
M16	19 35 31	23°19'34	8♍18	7°26	7°53	0°51	18°56	16°13	26°17	5°55	7°41	0°59	1°22	11° 9	12°22	M16
T 17	19 39 28	24°16'51	22°21	9°14	8°54	1°32	19° 9	16°18	26°16	5°54	7°42	1° 0	1°19	11°16	12°28	T 17
W18	19 43 24	25°14'09	5♎58	11° 5	9°54	2°13	19°23	16°22	26°15	5°53	7°43	1° 0	1°16	11°23	12°35	W18
T 19	19 47 21	26°11'27	19° 9	12°59	10°55	2°54	19°36	16°26	26°14	5°52	7°44	1° 0	1°13	11°29	12°41	T 19
F 20	19 51 17	27° 8'45	1♏57	14°55	11°57	3°36	19°50	16°30	26°14	5°51	7°45	1°R 0	1°10	11°36	12°47	F 20
S 21	19 55 14	28° 6'04	14°26	16°54	12°58	4°17	20° 3	16°34	26°13	5°50	7°46	1° 0	1° 6	11°43	12°54	S 21
S 22	19 59 11	29° 3'24	26°39	18°55	14° 0	4°58	20°16	16°38	26°12	5°50	7°47	1° 0	1° 3	11°49	13° 0	S 22
M23	20 3 7	0♌ 0'44	8♐40	20°57	15° 2	5°38	20°30	16°42	26°12	5°49	7°48	1° 0	1° 0	11°56	13° 7	M23
T 24	20 7 4	0°58'04	20°34	23° 1	16° 4	6°19	20°43	16°46	26°11	5°48	7°48	1°D 0	0°57	12° 3	13°13	T 24
W25	20 11 0	1°55'25	2♑23	25° 6	17° 7	7° 0	20°56	16°50	26°10	5°47	7°49	1° 0	0°54	12° 9	13°19	W25
T 26	20 14 57	2°52'47	14°12	27°11	18°10	7°40	21° 9	16°53	26°10	5°47	7°50	1° 0	0°51	12°16	13°26	T 26
F 27	20 18 53	3°50'10	26° 1	29°17	19°13	8°21	21°23	16°57	26° 9	5°46	7°51	1°R 0	0°47	12°23	13°32	F 27
S 28	20 22 50	4°47'33	7♒55	1♌23	20°17	9° 1	21°36	17° 0	26° 9	5°45	7°52	1° 0	0°44	12°29	13°38	S 28
S 29	20 26 46	5°44'58	19°54	3°28	21°20	9°42	21°49	17° 4	26° 9	5°45	7°53	1° 0	0°41	12°36	13°45	S 29
M30	20 30 43	6°42'23	2♓ 2	5°33	22°24	10°22	22° 2	17° 7	26° 8	5°44	7°54	0°59	0°38	12°43	13°51	M30
T 31	20 34 40	7♌39'50	14♓20	7♌37	23♊28	11♊ 2	22♋16	17♉10	26♏ 8	5♐44	7♊54	0♌59	0♌35	12♑49	13♋57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n11	18s24	0s54	19n32	3s28	15n22	3s27	17n13	0s41	22n46	0n12	14n13	2s14	19s15	0n11	19s47	1n37	10n58	10s45	19n58	19n43	21s10	16n57	6s	8
M 2	23 6	15 47	1 58	19 46	3 17	15 35	3 27	17 24	0 40	22 44	0 12	14 15	2 14	19 15	0 11	19 47	1 37	10 58	10 45	19 58	19 44	21 10	16 56	6	8
T 3	23 2	12 27	2 57	20 2	3 5	15 48	3 26	17 36	0 40	22 43	0 12	14 16	2 14	19 14	0 11	19 47	1 37	10 59	10 45	19 58	19 44	21 10	16 55	6	8
W 4	22 57	8 33	3 49	20 17	2 54	16 1	3 26	17 48	0 39	22 41	0 12	14 18	2 14	19 14	0 11	19 47	1 37	10 59	10 45	19 58	19 45	21 11	16 55	6	8
T 5	22 52	4 12	4 31	20 33	2 41	16 14	3 26	17 59	0 38	22 40	0 12	14 19	2 14	19 14	0 11	19 47	1 37	10 59	10 45	19 57	19 46	21 11	16 54	6	8
F 6	22 46	0n27	5 1	20 49	2 29	16 27	3 25	18 10	0 38	22 38	0 12	14 21	2 14	19 13	0 11	19 47	1 37	10 59	10 46	19 57	19 46	21 11	16 54	6	8
S 7	22 40	5 13	5 15	21 6	2 16	16 40	3 24	18 21	0 37	22 37	0 12	14 22	2 15	19 13	0 11	19 46	1 37	10 59	10 46	19 57	19 47	21 12	16 53	6	8
S 8	22 34	9 52	5 13	21 22	2 2	16 53	3 24	18 32	0 36	22 35	0 12	14 23	2 15	19 13	0 11	19 46	1 37	10 59	10 46	19 57	19 48	21 12	16 52	6	8
M 9	22 27	14 7	4 51	21 37	1 49	17 6	3 23	18 43	0 35	22 33	0 12	14 24	2 15	19 13	0 11	19 46	1 37	10 59	10 46	19 58	19 49	21 12	16 52	6	8
T 10	22 19	17 40	4 11	21 52	1 36	17 18	3 21	18 53	0 35	22 32	0 12	14 26	2 15	19 12	0 11	19 46	1 37	10 59	10 46	19 58	19 49	21 13	16 51	6	8
W11	22 12	20 7	3 13	22 7	1 22	17 31	3 20	19 4	0 34	22 30	0 12	14 27	2 15	19 12	0 11	19 46	1 37	10 59	10 46	19 58	19 50	21 13	16 51	6	8
T 12	22 4	21 12	2 0	22 20	1 9	17 43	3 19	19 14	0 33	22 28	0 13	14 28	2 15	19 12	0 11	19 46	1 37	10 59	10 46	19 59	19 51	21 13	16 50	6	8
F 13	21 55	20 43	0 39	22 32	0 55	17 55	3 17	19 24	0 33	22 27	0 13	14 29	2 16	19 12	0 11	19 45	1 37	10 59	10 46	19 59	19 51	21 13	16 49	6	8
S 14	21 47	18 45	0n45	22 43	0 42	18 7	3 16	19 33	0 32	22 25	0 13	14 31	2 16	19 11	0 11	19 45	1 37	10 59	10 46	19 59	19 52	21 14	16 49	6	9
S 15	21 37	15 33	2 4	22 53	0 29	18 19	3 14	19 43	0 31	22 23	0 13	14 32	2 16	19 11	0 11	19 45	1 36	10 59	10 47	19 59	19 53	21 14	16 48	6	9
M16	21 28	11 27	3 13	23 0	0 16	18 30	3 12	19 52	0 30	22 21	0 13	14 33	2 16	19 11	0 11	19 45	1 36	10 59	10 47	19 59	19 53	21 14	16 47	6	9
T 17	21 18	6 50	4 8	23 6	0 4	18 42	3 10	20 1	0 30	22 20	0 13	14 34	2 16	19 11	0 11	19 45	1 36	10 59	10 47	19 58	19 54	21 15	16 46	6	9
W18	21 8	2 2	4 48	23 9	0n 8	18 53	3 8	20 10	0 29	22 18	0 13	14 35	2 17	19 10	0 11	19 45	1 36	10 59	10 47	19 58	19 55	21 15	16 46	6	9
T 19	20 57	2s43	5 11	23 11	0 20	19 3	3 6	20 19	0 28	22 16	0 13	14 36	2 17	19 10	0 11	19 45	1 36	10 59	10 47	19 58	19 56	21 15	16 45	6	9
F 20	20 46	7 12	5 18	23 9	0 31	19 14	3 4	20 28	0 27	22 14	0 13	14 37	2 17	19 10	0 11	19 45	1 36	10 59	10 47	19 58	19 56	21 15	16 44	6	10
S 21	20 35	11 16	5 9	23 5	0 41	19 24	3 1	20 36	0 26	22 12	0 13	14 38	2 17	19 10	0 11	19 45	1 36	10 59	10 47	19 58	19 57	21 16	16 43	6	10
S 22	20 23	14 48	4 47	22 59	0 51	19 34	2 59	20 45	0 26	22 10	0 14	14 39	2 17	19 10	0 11	19 44	1 36	10 59	10 47	19 58	19 58	21 16	16 43	6	10
M23	20 11	17 39	4 12	22 50	0 59	19 43	2 56	20 53	0 25	22 9	0 14	14 40	2 17	19 10	0 11	19 44	1 36	10 59	10 48	19 58	19 58	21 16	16 42	6	10
T 24	19 59	19 43	3 26	22 38	1 8	19 52	2 54	21 0	0 24	22 7	0 14	14 41	2 18	19 10	0 11	19 44	1 36	10 59	10 48	19 58	19 59	21 16	16 41	6	10
W25	19 46	20 55	2 32	22 23	1 15	20 1	2 51	21 8	0 23	22 5	0 14	14 41	2 18	19 9	0 11	19 44	1 36	10 59	10 48	19 58	20 0	21 17	16 40	6	10
T 26	19 33	21 12	1 32	22 6	1 22	20 10	2 48	21 16	0 22	22 3	0 14	14 42	2 18	19 9	0 11	19 44	1 36	10 59	10 48	19 58	20 0	21 17	16 39	6	11
F 27	19 20	20 32	0 28	21 46	1 28	20 18	2 46	21 23	0 22	22 1	0 14	14 43	2 18	19 9	0 11	19 44	1 36	10 59	10 48	19 58	20 1	21 17	16 39	6	11
S 28	19 6	18 56	0s38	21 24	1 33	20 25	2 43	21 30	0 21	21 59	0 14	14 44	2 19	19 9	0 11	19 44	1 36	10 59	10 48	19 58	20 2	21 17	16 38	6	11
S 29	18 52	16 30	1 43	20 59	1 37	20 33	2 40	21 37	0 20	21 57	0 14	14 45	2 19	19 9	0 11	19 44	1 36	10 59	10 49	19 58	20 3	21 18	16 37	6	11
M30	18 38	13 19	2 44	20 32	1 40	20 40	2 37	21 44	0 19	21 55	0 14	14 45	2 19	19 9	0 11	19 44	1 36	10 59	10 49	19 59	20 3	21 18	16 36	6	12
T 31	18n23	9s32	3s38	20n 3	1n43	20n46	2s34	21n50	0s18	21n53	0n14	14n46	2s19	19s 9	0n11	19s44	1n36	10n59	10s49	19n59	20n 4	21s18	16n35	6s	12

Julian Day Number = 2322430.5, Delta T = 45.76 sec
Ecliptic obliquity = 23°29'01, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'22, Lahiri = 18°55'23Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

AUGUST 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 38 36	8♌37'17	26♓50	9♌41	24♊33	11♊42	22♋29	17♉13	26°R 8	5°R43	7♊55	0°R58	0♌31	12♑56	14♋ 3	W 1
T 2	20 42 33	9°34'46	9♈34	11°43	25°37	12°22	22°42	17°16	26♏ 8	5♐42	7°56	0♌57	0°28	13° 3	14° 9	T 2
F 3	20 46 29	10°32'16	22°35	13°45	26°42	13° 2	22°55	17°19	26° 8	5°42	7°57	0°56	0°25	13° 9	14°15	F 3
S 4	20 50 26	11°29'48	5♉54	15°45	27°47	13°42	23° 8	17°22	26° 7	5°42	7°57	0°D55	0°22	13°16	14°22	S 4
S 5	20 54 22	12°27'20	19°34	17°44	28°52	14°22	23°21	17°25	26°D 7	5°41	7°58	0°56	0°19	13°22	14°28	S 5
M 6	20 58 19	13°24'55	3♊34	19°42	29°58	15° 1	23°34	17°27	26° 8	5°41	7°59	0°56	0°16	13°29	14°34	M 6
T 7	21 2 15	14°22'31	17°55	21°38	1♋ 4	15°41	23°47	17°30	26° 8	5°40	7°59	0°57	0°12	13°36	14°40	T 7
W 8	21 6 12	15°20'08	2♋33	23°33	2° 9	16°20	24° 0	17°32	26° 8	5°40	8° 0	0°58	0° 9	13°42	14°46	W 8
T 9	21 10 9	16°17'47	17°24	25°26	3°16	16°59	24°13	17°35	26° 8	5°40	8° 1	0°59	0° 6	13°49	14°52	T 9
F 10	21 14 5	17°15'28	2♌22	27°18	4°22	17°39	24°26	17°37	26° 8	5°40	8° 1	0°R59	0° 3	13°56	14°58	F 10
S 11	21 18 2	18°13'09	17°18	29° 9	5°28	18°18	24°38	17°39	26° 9	5°39	8° 2	0°59	29♋59	14° 2	15° 3	S 11
S 12	21 21 58	19°10'52	2♍ 5	0♍58	6°35	18°57	24°51	17°41	26° 9	5°39	8° 2	0°57	29°56	14° 9	15° 9	S 12
M13	21 25 55	20° 8'37	16°35	2°46	7°41	19°36	25° 4	17°43	26° 9	5°39	8° 3	0°55	29°53	14°16	15°15	M13
T 14	21 29 51	21° 6'22	0♎43	4°32	8°48	20°14	25°17	17°45	26°10	5°39	8° 3	0°52	29°50	14°22	15°21	T 14
W15	21 33 48	22° 4'08	14°26	6°17	9°55	20°53	25°29	17°46	26°10	5°39	8° 4	0°50	29°47	14°29	15°27	W15
T 16	21 37 44	23° 1'56	27°42	8° 0	11° 3	21°32	25°42	17°48	26°11	5°39	8° 4	0°47	29°44	14°36	15°32	T 16
F 17	21 41 41	23°59'45	10♏34	9°42	12°10	22°10	25°55	17°50	26°11	5°39	8° 5	0°46	29°41	14°42	15°38	F 17
S 18	21 45 38	24°57'35	23° 4	11°22	13°18	22°49	26° 7	17°51	26°12	5°D39	8° 5	0°D45	29°37	14°49	15°44	S 18
S 19	21 49 34	25°55'26	5♐16	13° 2	14°25	23°27	26°20	17°52	26°13	5°39	8° 6	0°45	29°34	14°56	15°49	S 19
M20	21 53 31	26°53'19	17°16	14°40	15°33	24° 5	26°32	17°53	26°14	5°39	8° 6	0°46	29°31	15° 2	15°55	M20
T 21	21 57 27	27°51'13	29° 7	16°16	16°41	24°43	26°44	17°54	26°14	5°39	8° 6	0°48	29°28	15° 9	16° 0	T 21
W22	22 1 24	28°49'08	10♑56	17°51	17°49	25°21	26°57	17°55	26°15	5°39	8° 7	0°50	29°25	15°16	16° 6	W22
T 23	22 5 20	29°47'05	22°45	19°25	18°58	25°59	27° 9	17°56	26°16	5°39	8° 7	0°51	29°22	15°22	16°11	T 23
F 24	22 9 17	0♍45'03	4♒38	20°58	20° 6	26°37	27°21	17°57	26°17	5°39	8° 7	0°R51	29°18	15°29	16°16	F 24
S 25	22 13 13	1°43'02	16°39	22°29	21°15	27°14	27°33	17°58	26°18	5°40	8° 8	0°50	29°15	15°36	16°22	S 25
S 26	22 17 10	2°41'03	28°50	23°59	22°24	27°52	27°45	17°58	26°19	5°40	8° 8	0°47	29°12	15°42	16°27	S 26
M27	22 21 7	3°39'06	11♓12	25°27	23°32	28°29	27°57	17°59	26°20	5°40	8° 8	0°43	29° 9	15°49	16°32	M27
T 28	22 25 3	4°37'10	23°46	26°55	24°41	29° 6	28° 9	17°59	26°22	5°40	8° 9	0°38	29° 6	15°55	16°37	T 28
W29	22 29 0	5°35'16	6♈34	28°20	25°51	29°43	28°21	17°59	26°23	5°41	8° 9	0°32	29° 2	16° 2	16°42	W29
T 30	22 32 56	6°33'24	19°35	29°45	27° 0	0♋20	28°33	17°59	26°24	5°41	8° 9	0°26	28°59	16° 9	16°47	T 30
F 31	22 36 53	7♍31'34	2♉50	1♎ 8	28♋ 9	0♋57	28♋45	17°R59	26♏25	5♐42	8♊ 9	0♌21	28♋56	16♑15	16♋52	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n 8	5s17	4s23	19n32	1n45	20n52	2s30	21n57	0s18	21n51	0n15	14n47	2s19	19s 9	0n11	19s44	1n36	10n59	10s49	19n59	20n 5	21s18	16n34	6s12
T 2	17 53	0 44	4 55	19 0	1 46	20 58	2 27	22 3	0 17	21 49	0 15	14 47	2 20	19 9	0 11	19 44	1 36	10 59	10 49	19 59	20 5	21 18	16 33	6 12
F 3	17 38	3n57	5 14	18 26	1 46	21 3	2 24	22 9	0 16	21 47	0 15	14 48	2 20	19 9	0 11	19 44	1 36	10 59	10 49	19 59	20 6	21 19	16 32	6 13
S 4	17 22	8 33	5 16	17 50	1 46	21 7	2 21	22 14	0 15	21 44	0 15	14 49	2 20	19 9	0 11	19 44	1 35	10 59	10 49	19 59	20 7	21 19	16 32	6 13
S 5	17 6	12 50	5 1	17 13	1 45	21 12	2 17	22 20	0 14	21 42	0 15	14 49	2 20	19 9	0 11	19 44	1 35	10 59	10 50	19 59	20 7	21 19	16 31	6 13
M 6	16 50	16 32	4 27	16 35	1 44	21 15	2 14	22 25	0 13	21 40	0 15	14 50	2 20	19 9	0 11	19 44	1 35	10 59	10 50	19 59	20 8	21 19	16 30	6 14
T 7	16 33	19 20	3 37	15 55	1 42	21 18	2 10	22 31	0 12	21 38	0 15	14 50	2 21	19 9	0 11	19 44	1 35	10 59	10 50	19 59	20 9	21 19	16 29	6 14
W 8	16 16	20 56	2 31	15 15	1 39	21 21	2 7	22 36	0 11	21 36	0 15	14 51	2 21	19 9	0 11	19 44	1 35	10 59	10 50	19 59	20 9	21 19	16 28	6 14
T 9	15 59	21 7	1 15	14 34	1 36	21 23	2 3	22 40	0 11	21 34	0 15	14 51	2 21	19 9	0 11	19 44	1 35	10 59	10 50	19 59	20 10	21 20	16 27	6 15
F 10	15 41	19 48	0n 8	13 53	1 33	21 25	2 0	22 45	0 10	21 32	0 16	14 51	2 21	19 9	0 10	19 44	1 35	10 59	10 51	19 59	20 11	21 20	16 26	6 15
S 11	15 24	17 6	1 29	13 10	1 29	21 26	1 56	22 49	0 9	21 30	0 16	14 52	2 21	19 9	0 10	19 44	1 35	10 59	10 51	19 59	20 11	21 20	16 25	6 15
S 12	15 6	13 18	2 44	12 28	1 24	21 27	1 52	22 54	0 8	21 27	0 16	14 52	2 22	19 9	0 10	19 44	1 35	10 58	10 51	19 59	20 12	21 20	16 24	6 16
M13	14 48	8 46	3 46	11 45	1 19	21 27	1 49	22 58	0 7	21 25	0 16	14 52	2 22	19 10	0 10	19 44	1 35	10 58	10 51	19 59	20 13	21 20	16 23	6 16
T 14	14 29	3 53	4 33	11 1	1 14	21 27	1 45	23 2	0 6	21 23	0 16	14 53	2 22	19 10	0 10	19 44	1 35	10 58	10 51	20 0	20 13	21 20	16 22	6 16
W15	14 11	1s 3	5 3	10 17	1 9	21 26	1 41	23 5	0 5	21 21	0 16	14 53	2 22	19 10	0 10	19 44	1 35	10 58	10 51	20 1	20 14	21 21	16 21	6 17
T 16	13 52	5 46	5 15	9 33	1 3	21 24	1 37	23 9	0 4	21 19	0 16	14 53	2 23	19 10	0 10	19 44	1 35	10 58	10 52	20 1	20 15	21 21	16 20	6 17
F 17	13 33	10 6	5 11	8 49	0 57	21 22	1 34	23 12	0 3	21 16	0 16	14 53	2 23	19 10	0 10	19 44	1 35	10 58	10 52	20 2	20 15	21 21	16 19	6 17
S 18	13 14	13 52	4 52	8 5	0 50	21 20	1 30	23 15	0 2	21 14	0 16	14 54	2 23	19 10	0 10	19 44	1 35	10 58	10 52	20 2	20 16	21 21	16 18	6 18
S 19	12 54	16 57	4 20	7 21	0 43	21 17	1 26	23 18	0 1	21 12	0 17	14 54	2 23	19 10	0 10	19 44	1 35	10 58	10 52	20 2	20 17	21 21	16 17	6 18
M20	12 34	19 16	3 37	6 37	0 36	21 13	1 22	23 21	0 0	21 10	0 17	14 54	2 23	19 11	0 10	19 44	1 35	10 58	10 52	20 1	20 17	21 21	16 16	6 19
T 21	12 14	20 43	2 46	5 53	0 29	21 9	1 18	23 23	0n 1	21 7	0 17	14 54	2 24	19 11	0 10	19 44	1 34	10 57	10 53	20 1	20 18	21 21	16 15	6 19
W22	11 54	21 15	1 47	5 9	0 22	21 4	1 15	23 26	0 2	21 5	0 17	14 54	2 24	19 11	0 10	19 44	1 34	10 57	10 53	20 1	20 19	21 21	16 14	6 19
T 23	11 34	20 50	0 44	4 25	0 14	20 58	1 11	23 28	0 3	21 3	0 17	14 54	2 24	19 11	0 10	19 44	1 34	10 57	10 53	20 0	20 19	21 21	16 13	6 20
F 24	11 14	19 29	0s21	3 41	0 7	20 52	1 7	23 30	0 4	21 1	0 17	14 54	2 24	19 12	0 10	19 44	1 34	10 57	10 53	20 0	20 20	21 22	16 12	6 20
S 25	10 53	17 14	1 26	2 58	0s 1	20 46	1 3	23 32	0 5	20 58	0 17	14 54	2 25	19 12	0 10	19 45	1 34	10 57	10 53	20 1	20 21	21 22	16 11	6 21
S 26	10 32	14 12	2 27	2 15	0 9	20 39	0 59	23 34	0 6	20 56	0 17	14 54	2 25	19 12	0 10	19 45	1 34	10 57	10 54	20 1	20 21	21 22	16 10	6 21
M27	10 11	10 30	3 23	1 33	0 17	20 31	0 55	23 35	0 7	20 54	0 17	14 54	2 25	19 12	0 10	19 45	1 34	10 57	10 54	20 2	20 22	21 22	16 9	6 22
T 28	9 50	6 18	4 9	0 50	0 26	20 23	0 52	23 37	0 8	20 51	0 18	14 54	2 25	19 13	0 10	19 45	1 34	10 56	10 54	20 3	20 23	21 22	16 8	6 22
W29	9 29	1 44	4 44	0 9	0 34	20 14	0 48	23 38	0 9	20 49	0 18	14 54	2 26	19 13	0 10	19 45	1 34	10 56	10 54	20 4	20 23	21 22	16 7	6 22
T 30	9 7	2n58	5 5	0s33	0 42	20 5	0 44	23 39	0 10	20 47	0 18	14 53	2 26	19 13	0 10	19 45	1 34	10 56	10 54	20 6	20 24	21 22	16 6	6 23
F 31	8n46	7n36	5s11	1s14	0s51	19n55	0s40	23n40	0n11	20n45	0n18	14n53	2s26	19s14	0n10	19s45	1n34	10n56	10s54	20n 7	20n25	21s22	16n 4	6s23

Julian Day Number = 2322461.5, Delta T = 45.70 sec
Ecliptic obliquity = 23°29'02, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'27, Lahiri = 18°55'27Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

SEPTEMBER 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 40 49	8♍29'46	16♉17	2♎30	29♋19	1♋34	28♋57	17°R59	26♏27	5♐42	8♊ 9	0°R18	28♋53	16♑22	16♋57	S 1
S 2	22 44 46	9°28'00	29°58	3°50	0♌29	2°11	29° 8	17♉59	26°28	5°43	8° 9	0♌16	28°50	16°29	17° 2	S 2
M 3	22 48 42	10°26'16	13♊53	5° 8	1°38	2°47	29°20	17°59	26°30	5°43	8° 9	0°D15	28°47	16°35	17° 7	M 3
T 4	22 52 39	11°24'34	28° 0	6°25	2°48	3°24	29°32	17°58	26°31	5°44	8°10	0°16	28°43	16°42	17°12	T 4
W 5	22 56 35	12°22'54	12♋19	7°41	3°58	4° 0	29°43	17°58	26°33	5°44	8°10	0°18	28°40	16°49	17°16	W 5
T 6	23 0 32	13°21'17	26°48	8°55	5° 9	4°36	29°54	17°57	26°34	5°45	8°10	0°R18	28°37	16°55	17°21	T 6
F 7	23 4 29	14°19'41	11♌22	10° 7	6°19	5°12	0♌ 6	17°56	26°36	5°45	8°10	0°18	28°34	17° 2	17°26	F 7
S 8	23 8 25	15°18'08	25°58	11°17	7°29	5°48	0°17	17°56	26°38	5°46	8°R10	0°16	28°31	17° 9	17°30	S 8
S 9	23 12 22	16°16'36	10♍28	12°25	8°40	6°24	0°28	17°55	26°40	5°47	8°10	0°11	28°28	17°15	17°35	S 9
M10	23 16 18	17°15'07	24°48	13°32	9°50	6°59	0°39	17°53	26°41	5°48	8°10	0° 5	28°24	17°22	17°39	M10
T 11	23 20 15	18°13'39	8♎49	14°36	11° 1	7°35	0°50	17°52	26°43	5°48	8°10	29♋57	28°21	17°29	17°43	T 11
W12	23 24 11	19°12'13	22°30	15°37	12°12	8°10	1° 1	17°51	26°45	5°49	8° 9	29°49	28°18	17°35	17°47	W12
T 13	23 28 8	20°10'49	5♏47	16°37	13°23	8°45	1°12	17°50	26°47	5°50	8° 9	29°41	28°15	17°42	17°52	T 13
F 14	23 32 4	21° 9'26	18°40	17°33	14°34	9°20	1°23	17°48	26°49	5°51	8° 9	29°35	28°12	17°48	17°56	F 14
S 15	23 36 1	22° 8'05	1♐11	18°27	15°45	9°55	1°33	17°47	26°51	5°52	8° 9	29°30	28° 8	17°55	18° 0	S 15
S 16	23 39 58	23° 6'46	13°25	19°18	16°56	10°29	1°44	17°45	26°53	5°53	8° 9	29°28	28° 5	18° 2	18° 4	S 16
M17	23 43 54	24° 5'29	25°24	20° 5	18° 8	11° 4	1°54	17°43	26°55	5°54	8° 9	29°D27	28° 2	18° 8	18° 8	M17
T 18	23 47 51	25° 4'14	7♑16	20°49	19°19	11°38	2° 5	17°41	26°57	5°55	8° 9	29°28	27°59	18°15	18°11	T 18
W19	23 51 47	26° 3'00	19° 4	21°29	20°31	12°13	2°15	17°39	27° 0	5°56	8° 8	29°29	27°56	18°22	18°15	W19
T 20	23 55 44	27° 1'48	0♒54	22° 5	21°42	12°47	2°25	17°37	27° 2	5°57	8° 8	29°R30	27°53	18°28	18°19	T 20
F 21	23 59 40	28° 0'37	12°51	22°36	22°54	13°21	2°35	17°35	27° 4	5°58	8° 8	29°29	27°49	18°35	18°23	F 21
S 22	0 3 37	28°59'29	24°59	23° 3	24° 6	13°54	2°45	17°33	27° 6	5°59	8° 7	29°25	27°46	18°42	18°26	S 22
S 23	0 7 33	29°58'22	7♓21	23°24	25°18	14°28	2°55	17°30	27° 9	6° 0	8° 7	29°20	27°43	18°48	18°30	S 23
M24	0 11 30	0♎57'17	19°59	23°39	26°30	15° 1	3° 5	17°28	27°11	6° 1	8° 7	29°12	27°40	18°55	18°33	M24
T 25	0 15 27	1°56'15	2♈53	23°49	27°42	15°34	3°14	17°25	27°14	6° 2	8° 6	29° 2	27°37	19° 2	18°36	T 25
W26	0 19 23	2°55'14	16° 4	23°R52	28°54	16° 8	3°24	17°22	27°16	6° 4	8° 6	28°51	27°33	19° 8	18°39	W26
T 27	0 23 20	3°54'15	29°28	23°47	0♍ 6	16°40	3°33	17°20	27°19	6° 5	8° 6	28°40	27°30	19°15	18°43	T 27
F 28	0 27 16	4°53'19	13♉ 5	23°36	1°19	17°13	3°43	17°17	27°21	6° 6	8° 5	28°30	27°27	19°21	18°46	F 28
S 29	0 31 13	5°52'24	26°51	23°17	2°31	17°46	3°52	17°14	27°24	6° 8	8° 5	28°22	27°24	19°28	18°49	S 29
S 30	0 35 9	6♎51'33	10♊45	22♎50	3♍43	18♋18	4♌ 1	17♉11	27♏27	6♐ 9	8♊ 4	28♋17	27♋21	19♑35	18♋51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n24	11n58	4s59	1s54	0s59	19n44	0s36	23n40	0n12	20n42	0n18	14n53	2s26	19s14	0n10	19s45	1n34	10n56	10s55	20n 8	20n25	21s22	16n 3	6s24
S 2	8 2	15 47	4 30	2 34	1 8	19 33	0 33	23 41	0 13	20 40	0 18	14 53	2 26	19 14	0 10	19 46	1 34	10 56	10 55	20 8	20 26	21 22	16 2	6 24
M 3	7 40	18 47	3 46	3 13	1 16	19 22	0 29	23 41	0 14	20 38	0 18	14 52	2 27	19 15	0 10	19 46	1 34	10 55	10 55	20 8	20 27	21 22	16 1	6 25
T 4	7 18	20 42	2 46	3 51	1 25	19 10	0 25	23 41	0 15	20 35	0 18	14 52	2 27	19 15	0 10	19 46	1 34	10 55	10 55	20 8	20 27	21 22	16 0	6 25
W 5	6 56	21 19	1 36	4 29	1 33	18 57	0 22	23 42	0 16	20 33	0 19	14 52	2 27	19 15	0 10	19 46	1 34	10 55	10 55	20 8	20 28	21 22	15 59	6 26
T 6	6 33	20 32	0 19	5 6	1 42	18 44	0 18	23 41	0 17	20 31	0 19	14 51	2 27	19 16	0 10	19 46	1 34	10 55	10 56	20 7	20 29	21 22	15 58	6 26
F 7	6 11	18 21	1n 0	5 42	1 50	18 30	0 14	23 41	0 18	20 29	0 19	14 51	2 27	19 16	0 10	19 46	1 33	10 55	10 56	20 7	20 29	21 22	15 57	6 27
S 8	5 48	15 0	2 14	6 17	1 58	18 16	0 11	23 41	0 19	20 26	0 19	14 50	2 28	19 17	0 10	19 46	1 33	10 54	10 56	20 8	20 30	21 22	15 56	6 28
S 9	5 25	10 44	3 20	6 52	2 7	18 1	0 7	23 40	0 21	20 24	0 19	14 50	2 28	19 17	0 10	19 47	1 33	10 54	10 56	20 9	20 30	21 22	15 55	6 28
M10	5 3	5 55	4 12	7 25	2 15	17 46	0 4	23 40	0 22	20 22	0 19	14 49	2 28	19 17	0 10	19 47	1 33	10 54	10 56	20 10	20 31	21 22	15 54	6 29
T 11	4 40	0 54	4 47	7 57	2 23	17 30	0 0	23 39	0 23	20 20	0 19	14 49	2 28	19 18	0 10	19 47	1 33	10 54	10 57	20 12	20 32	21 22	15 53	6 29
W12	4 17	4s 3	5 5	8 29	2 31	17 13	0n 3	23 38	0 24	20 17	0 20	14 48	2 28	19 18	0 10	19 47	1 33	10 54	10 57	20 14	20 32	21 22	15 52	6 30
T 13	3 54	8 40	5 6	8 59	2 38	16 57	0 7	23 37	0 25	20 15	0 20	14 48	2 29	19 19	0 10	19 47	1 33	10 53	10 57	20 15	20 33	21 22	15 50	6 30
F 14	3 31	12 45	4 51	9 27	2 46	16 39	0 10	23 35	0 26	20 13	0 20	14 47	2 29	19 19	0 10	19 48	1 33	10 53	10 57	20 17	20 34	21 22	15 49	6 31
S 15	3 8	16 9	4 22	9 55	2 53	16 22	0 14	23 34	0 27	20 11	0 20	14 47	2 29	19 20	0 10	19 48	1 33	10 53	10 57	20 18	20 34	21 22	15 48	6 31
S 16	2 44	18 47	3 42	10 20	3 0	16 3	0 17	23 33	0 28	20 8	0 20	14 46	2 29	19 20	0 10	19 48	1 33	10 53	10 58	20 18	20 35	21 22	15 47	6 32
M17	2 21	20 32	2 53	10 45	3 6	15 45	0 20	23 31	0 30	20 6	0 20	14 45	2 29	19 21	0 10	19 48	1 33	10 53	10 58	20 18	20 36	21 22	15 46	6 33
T 18	1 58	21 21	1 57	11 7	3 13	15 25	0 23	23 29	0 31	20 4	0 20	14 45	2 30	19 21	0 10	19 49	1 33	10 52	10 58	20 18	20 36	21 22	15 45	6 33
W19	1 34	21 12	0 56	11 27	3 18	15 6	0 26	23 27	0 32	20 2	0 21	14 44	2 30	19 22	0 10	19 49	1 33	10 52	10 58	20 18	20 37	21 22	15 44	6 34
T 20	1 11	20 7	0s 8	11 46	3 24	14 46	0 30	23 25	0 33	20 0	0 21	14 43	2 30	19 22	0 10	19 49	1 33	10 52	10 58	20 18	20 38	21 22	15 43	6 34
F 21	0 48	18 7	1 11	12 2	3 28	14 25	0 33	23 23	0 34	19 57	0 21	14 42	2 30	19 23	0 10	19 49	1 33	10 52	10 59	20 18	20 38	21 22	15 42	6 35
S 22	0 24	15 17	2 12	12 15	3 32	14 4	0 36	23 21	0 36	19 55	0 21	14 41	2 30	19 23	0 10	19 49	1 33	10 51	10 59	20 19	20 39	21 22	15 41	6 36
S 23	0 1	11 44	3 8	12 26	3 36	13 43	0 38	23 19	0 37	19 53	0 21	14 41	2 31	19 24	0 10	19 50	1 33	10 51	10 59	20 20	20 39	21 22	15 40	6 36
M24	0s23	7 35	3 56	12 35	3 38	13 21	0 41	23 16	0 38	19 51	0 21	14 40	2 31	19 25	0 10	19 50	1 33	10 51	10 59	20 21	20 40	21 22	15 39	6 37
T 25	0 46	3 1	4 33	12 40	3 40	12 59	0 44	23 14	0 39	19 49	0 21	14 39	2 31	19 25	0 10	19 50	1 33	10 51	10 59	20 23	20 41	21 22	15 38	6 37
W26	1 10	1n47	4 56	12 41	3 40	12 37	0 47	23 11	0 41	19 47	0 22	14 38	2 31	19 26	0 10	19 50	1 32	10 51	10 59	20 26	20 41	21 22	15 37	6 38
T 27	1 33	6 35	5 3	12 39	3 40	12 14	0 50	23 8	0 42	19 45	0 22	14 37	2 31	19 26	0 10	19 51	1 32	10 50	11 0	20 28	20 42	21 22	15 35	6 39
F 28	1 57	11 8	4 53	12 33	3 38	11 51	0 52	23 5	0 43	19 43	0 22	14 36	2 31	19 27	0 10	19 51	1 32	10 50	11 0	20 30	20 43	21 22	15 34	6 39
S 29	2 20	15 10	4 27	12 23	3 34	11 27	0 55	23 2	0 45	19 41	0 22	14 35	2 32	19 28	0 10	19 51	1 32	10 50	11 0	20 32	20 43	21 22	15 33	6 40
S 30	2s44	18n24	3s44	12s 8	3s29	11n 3	0n57	22n59	0n46	19n39	0n22	14n34	2s32	19s28	0n10	19s52	1n32	10n50	11s 0	20n33	20n44	21s22	15n32	6s41

Julian Day Number = 2322492.5, Delta T = 45.64 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'31, Lahiri = 18°55'31Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

OCTOBER 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 39 6	7♎50'43	24♊44	22°R15	4♍56	18♋50	4♌10	17°R 8	27♏29	6♐10	8°R 4	28°R15	27♋18	19♉41	18♋54	M 1
T 2	0 43 2	8°49'56	8♋47	21♎32	6° 9	19°22	4°19	17♉ 5	27°32	6°12	8♊ 3	28°D14	27°14	19°48	18°57	T 2
W 3	0 46 59	9°49'11	22°54	20°42	7°22	19°54	4°28	17° 1	27°35	6°13	8° 3	28°R14	27°11	19°55	19° 0	W 3
T 4	0 50 56	10°48'29	7♌ 4	19°45	8°34	20°25	4°37	16°58	27°37	6°14	8° 2	28♋14	27° 8	20° 1	19° 2	T 4
F 5	0 54 52	11°47'49	21°15	18°42	9°47	20°57	4°45	16°54	27°40	6°16	8° 2	28°12	27° 5	20° 8	19° 5	F 5
S 6	0 58 49	12°47'11	5♍25	17°34	11° 0	21°28	4°54	16°51	27°43	6°17	8° 1	28° 8	27° 2	20°15	19° 7	S 6
S 7	1 2 45	13°46'35	19°30	16°24	12°13	21°59	5° 2	16°47	27°46	6°19	8° 1	28° 1	26°59	20°21	19° 9	S 7
M 8	1 6 42	14°46'02	3♎27	15°11	13°27	22°30	5°10	16°44	27°49	6°21	8° 0	27°51	26°55	20°28	19°12	M 8
T 9	1 10 38	15°45'31	17°11	13°59	14°40	23° 0	5°18	16°40	27°52	6°22	7°59	27°39	26°52	20°35	19°14	T 9
W10	1 14 35	16°45'01	0♏38	12°50	15°53	23°30	5°26	16°36	27°55	6°24	7°59	27°26	26°49	20°41	19°16	W10
T 11	1 18 31	17°44'34	13°47	11°46	17° 6	24° 0	5°34	16°32	27°58	6°25	7°58	27°14	26°46	20°48	19°18	T 11
F 12	1 22 28	18°44'09	26°35	10°48	18°20	24°30	5°41	16°28	28° 1	6°27	7°57	27° 3	26°43	20°55	19°20	F 12
S 13	1 26 24	19°43'45	9♐ 4	9°58	19°33	25° 0	5°49	16°24	28° 4	6°29	7°57	26°55	26°39	21° 1	19°21	S 13
S 14	1 30 21	20°43'24	21°17	9°18	20°47	25°29	5°56	16°20	28° 7	6°30	7°56	26°49	26°36	21° 8	19°23	S 14
M15	1 34 18	21°43'04	3♑16	8°49	22° 0	25°58	6° 3	16°16	28°10	6°32	7°55	26°46	26°33	21°14	19°25	M15
T 16	1 38 14	22°42'46	15° 7	8°30	23°14	26°27	6°10	16°12	28°13	6°34	7°54	26°45	26°30	21°21	19°26	T 16
W17	1 42 11	23°42'29	26°54	8°D23	24°28	26°56	6°17	16° 7	28°17	6°36	7°54	26°45	26°27	21°28	19°28	W17
T 18	1 46 7	24°42'15	8♒45	8°27	25°41	27°24	6°24	16° 3	28°20	6°37	7°53	26°45	26°24	21°34	19°29	T 18
F 19	1 50 4	25°42'02	20°43	8°42	26°55	27°52	6°31	15°59	28°23	6°39	7°52	26°43	26°20	21°41	19°30	F 19
S 20	1 54 0	26°41'51	2♓54	9° 7	28° 9	28°20	6°37	15°54	28°26	6°41	7°51	26°40	26°17	21°48	19°31	S 20
S 21	1 57 57	27°41'41	15°23	9°42	29°23	28°47	6°44	15°50	28°30	6°43	7°51	26°33	26°14	21°54	19°32	S 21
M22	2 1 53	28°41'33	28°12	10°25	0♎37	29°15	6°50	15°45	28°33	6°45	7°50	26°24	26°11	22° 1	19°33	M22
T 23	2 5 50	29°41'27	11♈22	11°16	1°51	29°42	6°56	15°41	28°36	6°47	7°49	26°13	26° 8	22° 8	19°34	T 23
W24	2 9 47	0♏41'23	24°54	12°15	3° 5	0♌ 8	7° 2	15°36	28°40	6°48	7°48	26° 0	26° 4	22°14	19°35	W24
T 25	2 13 43	1°41'21	8♉43	13°19	4°19	0°35	7° 7	15°31	28°43	6°50	7°47	25°47	26° 1	22°21	19°35	T 25
F 26	2 17 40	2°41'21	22°47	14°29	5°33	1° 1	7°13	15°27	28°46	6°52	7°46	25°36	25°58	22°28	19°36	F 26
S 27	2 21 36	3°41'23	6♊59	15°44	6°48	1°27	7°18	15°22	28°50	6°54	7°45	25°27	25°55	22°34	19°36	S 27
S 28	2 25 33	4°41'27	21°16	17° 2	8° 2	1°52	7°24	15°17	28°53	6°56	7°44	25°21	25°52	22°41	19°37	S 28
M29	2 29 29	5°41'33	5♋32	18°24	9°16	2°17	7°29	15°13	28°57	6°58	7°43	25°17	25°49	22°47	19°37	M29
T 30	2 33 26	6°41'41	19°45	19°49	10°31	2°42	7°33	15° 8	29° 0	7° 0	7°42	25°D16	25°45	22°54	19°37	T 30
W31	2 37 22	7♏41'51	3♌53	21♎16	11♎45	3♌ 7	7♌38	15♉ 3	29♏ 4	7♐ 2	7♊41	25°R16	25♋42	23♑ 1	19°R37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3 s 7	20n35	2 s48	11 s49	3 s23	10n39	1n 0	22n56	0n47	19n37	0n22	14n33	2 s32	19 s29	0n10	19 s52	1n32	10n49	11 s 0	20n33	20n44	21 s22	15n31	6 s41
T 2	3 30	21 30	1 41	11 25	3 15	10 14	1 2	22 53	0 48	19 35	0 23	14 32	2 32	19 29	0 10	19 52	1 32	10 49	11 0	20 33	20 45	21 22	15 30	6 42
W 3	3 54	21 4	0 28	10 57	3 4	9 49	1 4	22 50	0 50	19 33	0 23	14 31	2 32	19 30	0 10	19 52	1 32	10 49	11 1	20 33	20 46	21 21	15 29	6 43
T 4	4 17	19 18	0n47	10 24	2 52	9 24	1 7	22 46	0 51	19 31	0 23	14 30	2 32	19 31	0 10	19 53	1 32	10 49	11 1	20 33	20 46	21 21	15 28	6 43
F 5	4 40	16 19	1 59	9 47	2 38	8 59	1 9	22 43	0 53	19 29	0 23	14 29	2 32	19 31	0 10	19 53	1 32	10 48	11 1	20 34	20 47	21 21	15 27	6 44
S 6	5 4	12 23	3 3	9 6	2 23	8 33	1 11	22 39	0 54	19 27	0 23	14 28	2 33	19 32	0 10	19 53	1 32	10 48	11 1	20 34	20 48	21 21	15 26	6 45
S 7	5 27	7 47	3 56	8 23	2 5	8 7	1 13	22 36	0 55	19 25	0 23	14 27	2 33	19 33	0 9	19 54	1 32	10 48	11 1	20 36	20 48	21 21	15 25	6 45
M 8	5 50	2 49	4 34	7 38	1 47	7 40	1 15	22 32	0 57	19 23	0 23	14 25	2 33	19 33	0 9	19 54	1 32	10 48	11 1	20 38	20 49	21 21	15 24	6 46
T 9	6 13	2 s12	4 56	6 52	1 27	7 14	1 17	22 28	0 58	19 22	0 24	14 24	2 33	19 34	0 9	19 54	1 32	10 47	11 2	20 40	20 49	21 21	15 23	6 47
W10	6 36	7 1	5 0	6 6	1 7	6 47	1 19	22 25	0 59	19 20	0 24	14 23	2 33	19 35	0 9	19 55	1 32	10 47	11 2	20 43	20 50	21 21	15 22	6 47
T 11	6 59	11 25	4 49	5 22	0 46	6 20	1 20	22 21	1 1	19 18	0 24	14 22	2 33	19 35	0 9	19 55	1 32	10 47	11 2	20 45	20 51	21 21	15 22	6 48
F 12	7 21	15 10	4 22	4 40	0 26	5 53	1 22	22 17	1 2	19 16	0 24	14 21	2 33	19 36	0 9	19 55	1 32	10 47	11 2	20 47	20 51	21 20	15 21	6 49
S 13	7 44	18 10	3 44	4 2	0 5	5 25	1 24	22 13	1 4	19 15	0 24	14 19	2 33	19 37	0 9	19 56	1 32	10 46	11 2	20 49	20 52	21 20	15 20	6 49
S 14	8 6	20 16	2 56	3 29	0n14	4 58	1 25	22 9	1 5	19 13	0 24	14 18	2 33	19 38	0 9	19 56	1 32	10 46	11 2	20 50	20 52	21 20	15 19	6 50
M15	8 29	21 26	2 1	3 1	0 32	4 30	1 26	22 5	1 7	19 12	0 25	14 17	2 34	19 38	0 9	19 56	1 32	10 46	11 2	20 50	20 53	21 20	15 18	6 51
T 16	8 51	21 37	1 1	2 38	0 48	4 2	1 28	22 1	1 8	19 10	0 25	14 16	2 34	19 39	0 9	19 57	1 32	10 46	11 3	20 51	20 54	21 20	15 17	6 51
W17	9 13	20 50	0 s 1	2 22	1 3	3 34	1 29	21 57	1 10	19 8	0 25	14 14	2 34	19 40	0 9	19 57	1 32	10 45	11 3	20 51	20 54	21 20	15 16	6 52
T 18	9 35	19 7	1 3	2 11	1 17	3 6	1 30	21 53	1 11	19 7	0 25	14 13	2 34	19 40	0 9	19 57	1 31	10 45	11 3	20 51	20 55	21 19	15 15	6 53
F 19	9 57	16 34	2 3	2 6	1 29	2 37	1 31	21 49	1 13	19 5	0 25	14 12	2 34	19 41	0 9	19 58	1 31	10 45	11 3	20 51	20 55	21 19	15 14	6 54
S 20	10 19	13 14	2 59	2 6	1 39	2 9	1 32	21 45	1 14	19 4	0 26	14 10	2 34	19 42	0 9	19 58	1 31	10 45	11 3	20 52	20 56	21 19	15 13	6 54
S 21	10 40	9 16	3 47	2 12	1 48	1 40	1 33	21 41	1 16	19 2	0 26	14 9	2 34	19 43	0 9	19 58	1 31	10 44	11 3	20 53	20 57	21 19	15 13	6 55
M22	11 2	4 46	4 25	2 23	1 55	1 12	1 34	21 37	1 18	19 1	0 26	14 8	2 34	19 43	0 9	19 59	1 31	10 44	11 3	20 55	20 57	21 19	15 12	6 56
T 23	11 23	0n 3	4 51	2 38	2 0	0 43	1 35	21 33	1 19	19 0	0 26	14 6	2 34	19 44	0 9	19 59	1 31	10 44	11 3	20 57	20 58	21 18	15 11	6 56
W24	11 44	5 0	5 0	2 56	2 4	0 14	1 36	21 28	1 21	18 58	0 26	14 5	2 34	19 45	0 9	19 59	1 31	10 44	11 4	20 59	20 58	21 18	15 10	6 57
T 25	12 5	9 48	4 53	3 19	2 7	0 s15	1 36	21 24	1 22	18 57	0 26	14 4	2 34	19 46	0 9	20 0	1 31	10 43	11 4	21 2	20 59	21 18	15 9	6 58
F 26	12 26	14 11	4 28	3 44	2 9	0 44	1 37	21 20	1 24	18 56	0 27	14 2	2 34	19 46	0 9	20 0	1 31	10 43	11 4	21 4	21 0	21 18	15 9	6 59
S 27	12 46	17 48	3 46	4 13	2 10	1 13	1 37	21 16	1 26	18 55	0 27	14 1	2 34	19 47	0 9	20 0	1 31	10 43	11 4	21 5	21 0	21 18	15 8	6 59
S 28	13 7	20 23	2 50	4 43	2 9	1 42	1 38	21 12	1 27	18 54	0 27	14 0	2 34	19 48	0 9	20 1	1 31	10 43	11 4	21 7	21 1	21 17	15 7	7 0
M29	13 27	21 40	1 42	5 15	2 8	2 11	1 38	21 8	1 29	18 52	0 27	13 58	2 34	19 49	0 9	20 1	1 31	10 43	11 4	21 7	21 1	21 17	15 6	7 1
T 30	13 47	21 33	0 29	5 49	2 6	2 39	1 39	21 4	1 31	18 51	0 27	13 57	2 34	19 49	0 9	20 1	1 31	10 42	11 4	21 7	21 2	21 17	15 6	7 1
W31	14 s 6	20n 3	0n46	6 s24	2n 4	3 s 8	1n39	21n 0	1n33	18n50	0n28	13n55	2 s34	19 s50	0n 9	20 s 2	1n31	10n42	11 s 4	21n 7	21n 3	21 s17	15n 5	7 s 2

Julian Day Number = 2322522.5, Delta T = 45.59 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'35, Lahiri = 18°55'35Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

NOVEMBER 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 19	8♏42'03	17♌55	22♎46	12♎59	3♌31	7♌43	14°R58	29♏ 7	7♐ 4	7°R40	25°R16	25♋39	23♑ 7	19°R37	T 1
F 2	2 45 16	9°42'18	1♍50	24°17	14°14	3°55	7°47	14♉53	29°11	7° 6	7♊40	25♋14	25°36	23°14	19♋37	F 2
S 3	2 49 12	10°42'34	15°38	25°49	15°28	4°18	7°51	14°48	29°14	7° 8	7°39	25°10	25°33	23°21	19°37	S 3
S 4	2 53 9	11°42'53	29°18	27°22	16°43	4°41	7°55	14°44	29°18	7°10	7°38	25° 3	25°30	23°27	19°36	S 4
M 5	2 57 5	12°43'13	12♎49	28°56	17°58	5° 4	7°59	14°39	29°21	7°12	7°36	24°53	25°26	23°34	19°36	M 5
T 6	3 1 2	13°43'35	26° 9	0♏31	19°12	5°26	8° 3	14°34	29°25	7°15	7°35	24°42	25°23	23°41	19°36	T 6
W 7	3 4 58	14°43'59	9♏15	2° 6	20°27	5°48	8° 6	14°29	29°29	7°17	7°34	24°29	25°20	23°47	19°35	W 7
T 8	3 8 55	15°44'25	22° 7	3°41	21°42	6°10	8°10	14°24	29°32	7°19	7°33	24°17	25°17	23°54	19°34	T 8
F 9	3 12 51	16°44'52	4♐44	5°17	22°56	6°31	8°13	14°19	29°36	7°21	7°32	24° 6	25°14	24° 1	19°33	F 9
S 10	3 16 48	17°45'21	17° 5	6°53	24°11	6°52	8°16	14°14	29°39	7°23	7°31	23°58	25°10	24° 7	19°32	S 10
S 11	3 20 45	18°45'52	29°12	8°29	25°26	7°12	8°19	14° 9	29°43	7°25	7°30	23°52	25° 7	24°14	19°32	S 11
M12	3 24 41	19°46'24	11♑ 9	10° 5	26°41	7°32	8°21	14° 5	29°47	7°27	7°29	23°49	25° 4	24°20	19°30	M12
T 13	3 28 38	20°46'57	22°58	11°41	27°56	7°51	8°23	14° 0	29°50	7°30	7°28	23°D48	25° 1	24°27	19°29	T 13
W14	3 32 34	21°47'32	4♒45	13°17	29°11	8°10	8°26	13°55	29°54	7°32	7°27	23°48	24°58	24°34	19°28	W14
T 15	3 36 31	22°48'07	16°34	14°53	0♏26	8°29	8°28	13°50	29°58	7°34	7°26	23°49	24°55	24°40	19°27	T 15
F 16	3 40 27	23°48'44	28°31	16°28	1°41	8°47	8°29	13°45	0♐ 1	7°36	7°25	23°R49	24°51	24°47	19°25	F 16
S 17	3 44 24	24°49'22	10♓41	18° 4	2°56	9° 4	8°31	13°41	0° 5	7°38	7°24	23°48	24°48	24°54	19°24	S 17
S 18	3 48 20	25°50'02	23°10	19°39	4°11	9°22	8°33	13°36	0° 9	7°41	7°22	23°44	24°45	25° 0	19°22	S 18
M19	3 52 17	26°50'42	6♈ 1	21°14	5°26	9°38	8°34	13°31	0°12	7°43	7°21	23°38	24°42	25° 7	19°20	M19
T 20	3 56 14	27°51'23	19°17	22°50	6°41	9°54	8°35	13°27	0°16	7°45	7°20	23°30	24°39	25°14	19°18	T 20
W21	4 0 10	28°52'06	2♉59	24°24	7°56	10°10	8°36	13°22	0°20	7°47	7°19	23°21	24°36	25°20	19°16	W21
T 22	4 4 7	29°52'50	17° 5	25°59	9°11	10°25	8°36	13°17	0°24	7°50	7°18	23°12	24°32	25°27	19°14	T 22
F 23	4 8 3	0♐53'35	1♊31	27°34	10°26	10°40	8°37	13°13	0°27	7°52	7°17	23° 3	24°29	25°34	19°12	F 23
S 24	4 12 0	1°54'22	16° 9	29° 9	11°41	10°54	8°37	13° 8	0°31	7°54	7°16	22°57	24°26	25°40	19°10	S 24
S 25	4 15 56	2°55'10	0♋53	0♐43	12°56	11° 7	8°R37	13° 4	0°35	7°56	7°15	22°52	24°23	25°47	19° 8	S 25
M26	4 19 53	3°55'59	15°35	2°18	14°11	11°20	8°37	12°59	0°38	7°59	7°13	22°50	24°20	25°54	19° 6	M26
T 27	4 23 49	4°56'49	0♌10	3°52	15°26	11°32	8°37	12°55	0°42	8° 1	7°12	22°D50	24°16	26° 0	19° 3	T 27
W28	4 27 46	5°57'41	14°33	5°26	16°42	11°44	8°36	12°51	0°46	8° 3	7°11	22°51	24°13	26° 7	19° 1	W28
T 29	4 31 43	6°58'35	28°41	7° 1	17°57	11°55	8°35	12°47	0°49	8° 5	7°10	22°52	24°10	26°13	18°58	T 29
F 30	4 35 39	7♐59'29	12♍34	8♐35	19♏12	12♌ 5	8♌34	12♉42	0♐53	8♐ 8	7♊ 9	22°R53	24♋ 7	26♑20	18♋56	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s26	17n21	1n57	7s 0	2n 0	3s37	1n39	20n56	1n34	18n49	0n28	13n54	2s34	19s51	0n 9	20s 2	1n31	10n42	11s 4	21n 7	21n 3	21s16	15n 4	7s 3
F 2	14 45	13 39	3 1	7 37	1 56	4 6	1 39	20 52	1 36	18 48	0 28	13 53	2 34	19 52	0 9	20 3	1 31	10 42	11 4	21 8	21 4	21 16	15 4	7 3
S 3	15 4	9 16	3 54	8 15	1 52	4 35	1 39	20 48	1 38	18 48	0 28	13 51	2 34	19 53	0 9	20 3	1 31	10 41	11 4	21 8	21 4	21 16	15 3	7 4
S 4	15 23	4 26	4 32	8 53	1 48	5 4	1 39	20 45	1 40	18 47	0 28	13 50	2 34	19 53	0 9	20 3	1 31	10 41	11 5	21 10	21 5	21 16	15 2	7 5
M 5	15 41	0s32	4 55	9 31	1 42	5 33	1 38	20 41	1 42	18 46	0 29	13 48	2 34	19 54	0 9	20 4	1 31	10 41	11 5	21 11	21 5	21 15	15 2	7 6
T 6	15 59	5 25	5 2	10 9	1 37	6 1	1 38	20 37	1 44	18 45	0 29	13 47	2 34	19 55	0 9	20 4	1 31	10 41	11 5	21 14	21 6	21 15	15 1	7 6
W 7	16 17	9 59	4 52	10 48	1 31	6 30	1 38	20 33	1 45	18 44	0 29	13 46	2 34	19 56	0 9	20 4	1 31	10 41	11 5	21 16	21 7	21 15	15 0	7 7
T 8	16 35	14 1	4 28	11 26	1 25	6 58	1 37	20 30	1 47	18 44	0 29	13 44	2 34	19 56	0 9	20 5	1 31	10 40	11 5	21 18	21 7	21 15	15 0	7 8
F 9	16 52	17 21	3 50	12 4	1 19	7 26	1 37	20 26	1 49	18 43	0 29	13 43	2 34	19 57	0 9	20 5	1 31	10 40	11 5	21 20	21 8	21 14	14 59	7 8
S 10	17 9	19 50	3 3	12 41	1 13	7 54	1 36	20 23	1 51	18 43	0 30	13 42	2 34	19 58	0 9	20 5	1 31	10 40	11 5	21 21	21 8	21 14	14 59	7 9
S 11	17 26	21 22	2 7	13 18	1 7	8 22	1 36	20 20	1 53	18 42	0 30	13 40	2 34	19 59	0 9	20 6	1 31	10 40	11 5	21 22	21 9	21 14	14 58	7 10
M12	17 43	21 54	1 7	13 55	1 0	8 50	1 35	20 17	1 55	18 42	0 30	13 39	2 34	20 0	0 9	20 6	1 31	10 40	11 5	21 23	21 10	21 13	14 58	7 10
T 13	17 59	21 27	0 4	14 31	0 53	9 17	1 34	20 13	1 57	18 41	0 30	13 37	2 34	20 0	0 9	20 7	1 31	10 39	11 5	21 23	21 10	21 13	14 57	7 11
W14	18 15	20 3	0s58	15 7	0 47	9 45	1 33	20 10	1 59	18 41	0 30	13 36	2 33	20 1	0 9	20 7	1 31	10 39	11 5	21 23	21 11	21 13	14 57	7 12
T 15	18 30	17 47	1 59	15 42	0 40	10 12	1 32	20 7	2 1	18 40	0 31	13 35	2 33	20 2	0 9	20 7	1 31	10 39	11 5	21 23	21 11	21 13	14 56	7 12
F 16	18 46	14 45	2 55	16 16	0 33	10 39	1 32	20 5	2 3	18 40	0 31	13 34	2 33	20 3	0 9	20 8	1 31	10 39	11 5	21 23	21 12	21 12	14 56	7 13
S 17	19 1	11 2	3 44	16 50	0 26	11 6	1 30	20 2	2 5	18 40	0 31	13 32	2 33	20 4	0 9	20 8	1 31	10 39	11 5	21 23	21 12	21 12	14 55	7 14
S 18	19 15	6 45	4 24	17 22	0 19	11 32	1 29	19 59	2 7	18 40	0 31	13 31	2 33	20 4	0 9	20 8	1 31	10 38	11 5	21 24	21 13	21 12	14 55	7 14
M19	19 29	2 4	4 52	17 54	0 12	11 58	1 28	19 57	2 9	18 40	0 31	13 30	2 33	20 5	0 9	20 9	1 31	10 38	11 5	21 25	21 14	21 11	14 55	7 15
T 20	19 43	2n51	5 5	18 25	0 6	12 24	1 27	19 55	2 12	18 40	0 32	13 28	2 33	20 6	0 9	20 9	1 31	10 38	11 5	21 26	21 14	21 11	14 54	7 16
W21	19 57	7 48	5 2	18 56	0s 1	12 50	1 26	19 53	2 14	18 40	0 32	13 27	2 33	20 7	0 9	20 10	1 31	10 38	11 5	21 28	21 15	21 11	14 54	7 16
T 22	20 10	12 29	4 40	19 25	0 8	13 15	1 24	19 50	2 16	18 40	0 32	13 26	2 33	20 8	0 9	20 10	1 31	10 38	11 5	21 29	21 15	21 10	14 53	7 17
F 23	20 23	16 35	4 0	19 54	0 15	13 40	1 23	19 49	2 18	18 40	0 32	13 25	2 32	20 8	0 9	20 10	1 31	10 37	11 5	21 31	21 16	21 10	14 53	7 17
S 24	20 35	19 42	3 4	20 21	0 21	14 4	1 21	19 47	2 20	18 40	0 32	13 23	2 32	20 9	0 9	20 11	1 31	10 37	11 5	21 32	21 16	21 9	14 53	7 18
S 25	20 47	21 33	1 56	20 48	0 28	14 29	1 20	19 45	2 23	18 40	0 33	13 22	2 32	20 10	0 9	20 11	1 31	10 37	11 5	21 32	21 17	21 9	14 53	7 19
M26	20 58	21 55	0 39	21 13	0 34	14 53	1 18	19 44	2 25	18 40	0 33	13 21	2 32	20 11	0 9	20 11	1 31	10 37	11 5	21 33	21 17	21 9	14 52	7 19
T 27	21 10	20 48	0n40	21 38	0 41	15 16	1 17	19 43	2 27	18 41	0 33	13 20	2 32	20 11	0 9	20 12	1 31	10 37	11 5	21 33	21 18	21 8	14 52	7 20
W28	21 21	18 20	1 55	22 1	0 47	15 39	1 15	19 42	2 30	18 41	0 33	13 19	2 32	20 12	0 9	20 12	1 31	10 37	11 5	21 33	21 19	21 8	14 52	7 20
T 29	21 31	14 47	3 2	22 23	0 53	16 2	1 13	19 41	2 32	18 41	0 34	13 18	2 31	20 13	0 9	20 13	1 31	10 37	11 5	21 32	21 19	21 8	14 52	7 21
F 30	21s41	10n30	3n57	22s45	0s59	16s25	1n12	19n40	2n34	18n42	0n34	13n17	2s31	20s14	0n 9	20s13	1n30	10n36	11s 5	21n32	21n20	21s 7	14n51	7s21

Julian Day Number = 2322553.5, Delta T = 45.53 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'39, Lahiri = 18°55'40Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1646
geocentric

DECEMBER 1646 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 36	9♐ 0'25	26♍12	10♐ 9	20♏27	12♌15	8°R33	12°R38	0♐57	8♐10	7°R 8	22°R51	24♋ 4	26♑27	18°R53	S 1
S 2	4 43 32	10° 1'22	9♎36	11°43	21°42	12°25	8♌32	12♉34	1° 0	8°12	7♊ 7	22♋48	24° 1	26°33	18♋50	S 2
M 3	4 47 29	11° 2'21	22°45	13°17	22°58	12°33	8°30	12°30	1° 4	8°14	7° 5	22°42	23°57	26°40	18°47	M 3
T 4	4 51 25	12° 3'20	5♏42	14°52	24°13	12°41	8°29	12°26	1° 8	8°17	7° 4	22°35	23°54	26°47	18°44	T 4
W 5	4 55 22	13° 4'21	18°26	16°26	25°28	12°48	8°27	12°22	1°11	8°19	7° 3	22°28	23°51	26°53	18°41	W 5
T 6	4 59 18	14° 5'23	0♐58	18° 0	26°44	12°55	8°25	12°19	1°15	8°21	7° 2	22°21	23°48	27° 0	18°38	T 6
F 7	5 3 15	15° 6'26	13°19	19°35	27°59	13° 0	8°22	12°15	1°19	8°23	7° 1	22°14	23°45	27° 7	18°35	F 7
S 8	5 7 12	16° 7'29	25°28	21° 9	29°14	13° 5	8°20	12°11	1°22	8°26	7° 0	22° 9	23°42	27°13	18°32	S 8
S 9	5 11 8	17° 8'33	7♑28	22°44	0♐30	13°10	8°17	12° 8	1°26	8°28	6°59	22° 6	23°38	27°20	18°28	S 9
M10	5 15 5	18° 9'38	19°21	24°19	1°45	13°13	8°14	12° 4	1°29	8°30	6°57	22°D 5	23°35	27°27	18°25	M10
T 11	5 19 1	19°10'44	1♒ 8	25°54	3° 0	13°16	8°11	12° 1	1°33	8°32	6°56	22° 5	23°32	27°33	18°21	T 11
W12	5 22 58	20°11'49	12°54	27°29	4°16	13°18	8° 8	11°58	1°37	8°35	6°55	22° 7	23°29	27°40	18°18	W12
T 13	5 26 54	21°12'56	24°43	29° 4	5°31	13°20	8° 4	11°54	1°40	8°37	6°54	22° 9	23°26	27°47	18°14	T 13
F 14	5 30 51	22°14'02	6♓38	0♑39	6°47	13°R20	8° 1	11°51	1°44	8°39	6°53	22°10	23°22	27°53	18°11	F 14
S 15	5 34 47	23°15'09	18°46	2°14	8° 2	13°20	7°57	11°48	1°47	8°41	6°52	22°R11	23°19	28° 0	18° 7	S 15
S 16	5 38 44	24°16'16	1♈10	3°49	9°17	13°19	7°53	11°45	1°51	8°44	6°51	22°11	23°16	28° 6	18° 3	S 16
M17	5 42 41	25°17'23	13°57	5°25	10°33	13°17	7°49	11°43	1°54	8°46	6°50	22°10	23°13	28°13	18° 0	M17
T 18	5 46 37	26°18'31	27° 8	7° 0	11°48	13°15	7°44	11°40	1°58	8°48	6°49	22° 7	23°10	28°20	17°56	T 18
W19	5 50 34	27°19'38	10♉48	8°35	13° 3	13°11	7°40	11°37	2° 1	8°50	6°48	22° 4	23° 7	28°26	17°52	W19
T 20	5 54 30	28°20'46	24°55	10°11	14°19	13° 7	7°35	11°35	2° 4	8°52	6°46	22° 0	23° 3	28°33	17°48	T 20
F 21	5 58 27	29°21'54	9♊27	11°46	15°34	13° 2	7°30	11°32	2° 8	8°54	6°45	21°57	23° 0	28°40	17°44	F 21
S 22	6 2 23	0♑23'02	24°18	13°21	16°50	12°56	7°25	11°30	2°11	8°57	6°44	21°54	22°57	28°46	17°40	S 22
S 23	6 6 20	1°24'10	9♋22	14°56	18° 5	12°49	7°20	11°27	2°15	8°59	6°43	21°53	22°54	28°53	17°36	S 23
M24	6 10 17	2°25'19	24°27	16°30	19°20	12°42	7°15	11°25	2°18	9° 1	6°42	21°D53	22°51	29° 0	17°32	M24
T 25	6 14 13	3°26'28	9♌27	18° 4	20°36	12°34	7° 9	11°23	2°21	9° 3	6°41	21°53	22°48	29° 6	17°28	T 25
W26	6 18 10	4°27'37	24°13	19°37	21°51	12°24	7° 4	11°21	2°25	9° 5	6°40	21°54	22°44	29°13	17°24	W26
T 27	6 22 6	5°28'46	8♍40	21°10	23° 7	12°14	6°58	11°19	2°28	9° 7	6°39	21°56	22°41	29°20	17°19	T 27
F 28	6 26 3	6°29'56	22°44	22°41	24°22	12° 4	6°52	11°18	2°31	9° 9	6°38	21°57	22°38	29°26	17°15	F 28
S 29	6 29 59	7°31'06	6♎26	24°11	25°37	11°52	6°46	11°16	2°34	9°11	6°37	21°R57	22°35	29°33	17°11	S 29
S 30	6 33 56	8°32'16	19°46	25°40	26°53	11°40	6°40	11°14	2°37	9°13	6°36	21°57	22°32	29°39	17° 7	S 30
M31	6 37 52	9♑33'27	2♏45	27♑ 6	28♐ 8	11♌26	6♌33	11♉13	2♐41	9♐15	6♊35	21♋56	22♋28	29♑46	17♋ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s50	5n45	4n37	23s 5	1s 5	16s46	1n10	19n40	2n37	18n42	0n34	13n16	2s31	20s15	0n 9	20s13	1n30	10n36	11s 5	21n33	21n20	21s 7	14n51	7s22
S 2	22 0	0 49	5 2	23 24	1 10	17 8	1 8	19 39	2 39	18 43	0 34	13 15	2 31	20 15	0 9	20 14	1 30	10 36	11 5	21 33	21 21	21 6	14 51	7 22
M 3	22 8	4s 4	5 10	23 41	1 16	17 29	1 6	19 39	2 41	18 43	0 34	13 13	2 31	20 16	0 9	20 14	1 30	10 36	11 5	21 34	21 21	21 6	14 51	7 23
T 4	22 17	8 42	5 2	23 58	1 21	17 50	1 4	19 39	2 44	18 44	0 35	13 12	2 31	20 17	0 9	20 14	1 30	10 36	11 5	21 35	21 22	21 6	14 51	7 24
W 5	22 25	12 53	4 39	24 13	1 26	18 10	1 2	19 40	2 46	18 45	0 35	13 12	2 30	20 18	0 9	20 15	1 30	10 36	11 5	21 36	21 22	21 5	14 51	7 24
T 6	22 32	16 26	4 3	24 27	1 31	18 29	1 0	19 40	2 49	18 46	0 35	13 11	2 30	20 18	0 9	20 15	1 30	10 36	11 5	21 38	21 23	21 5	14 51	7 24
F 7	22 39	19 12	3 16	24 40	1 36	18 48	0 58	19 41	2 51	18 46	0 35	13 10	2 30	20 19	0 9	20 15	1 30	10 36	11 5	21 39	21 24	21 4	14 51	7 25
S 8	22 46	21 4	2 20	24 51	1 40	19 7	0 56	19 42	2 54	18 47	0 35	13 9	2 30	20 20	0 9	20 16	1 30	10 35	11 4	21 39	21 24	21 4	14 51	7 25
S 9	22 52	21 57	1 19	25 1	1 44	19 25	0 54	19 43	2 56	18 48	0 36	13 8	2 30	20 21	0 9	20 16	1 30	10 35	11 4	21 40	21 25	21 4	14 51	7 26
M10	22 57	21 50	0 15	25 10	1 48	19 43	0 52	19 44	2 59	18 49	0 36	13 7	2 29	20 21	0 9	20 16	1 30	10 35	11 4	21 40	21 25	21 3	14 51	7 26
T 11	23 3	20 45	0s49	25 17	1 52	19 59	0 49	19 46	3 2	18 50	0 36	13 6	2 29	20 22	0 9	20 17	1 30	10 35	11 4	21 40	21 26	21 3	14 51	7 27
W12	23 7	18 45	1 52	25 23	1 56	20 16	0 47	19 48	3 4	18 51	0 36	13 5	2 29	20 23	0 9	20 17	1 30	10 35	11 4	21 40	21 26	21 2	14 51	7 27
T 13	23 12	15 58	2 50	25 28	1 59	20 32	0 45	19 50	3 7	18 52	0 37	13 5	2 29	20 23	0 9	20 17	1 30	10 35	11 4	21 40	21 27	21 2	14 51	7 28
F 14	23 15	12 30	3 41	25 31	2 2	20 47	0 43	19 52	3 9	18 53	0 37	13 4	2 28	20 24	0 9	20 18	1 30	10 35	11 4	21 39	21 27	21 1	14 51	7 28
S 15	23 19	8 29	4 23	25 32	2 4	21 2	0 40	19 55	3 12	18 55	0 37	13 3	2 28	20 25	0 9	20 18	1 31	10 35	11 4	21 39	21 28	21 1	14 51	7 28
S 16	23 22	4 2	4 54	25 32	2 6	21 16	0 38	19 57	3 14	18 56	0 37	13 3	2 28	20 26	0 9	20 18	1 31	10 35	11 4	21 39	21 28	21 0	14 51	7 29
M17	23 24	0n43	5 12	25 31	2 8	21 29	0 36	20 0	3 17	18 57	0 37	13 2	2 28	20 26	0 9	20 19	1 31	10 35	11 4	21 39	21 29	21 0	14 51	7 29
T 18	23 26	5 36	5 14	25 27	2 10	21 42	0 33	20 4	3 20	18 58	0 38	13 1	2 27	20 27	0 9	20 19	1 31	10 35	11 3	21 40	21 30	20 59	14 51	7 30
W19	23 27	10 22	4 58	25 23	2 11	21 54	0 31	20 7	3 22	19 0	0 38	13 1	2 27	20 28	0 9	20 19	1 31	10 35	11 3	21 40	21 30	20 59	14 51	7 30
T 20	23 28	14 45	4 25	25 17	2 11	22 5	0 28	20 11	3 25	19 1	0 38	13 0	2 27	20 28	0 9	20 20	1 31	10 35	11 3	21 41	21 31	20 58	14 51	7 30
F 21	23 29	18 24	3 33	25 9	2 12	22 16	0 26	20 15	3 27	19 3	0 38	13 0	2 27	20 29	0 9	20 20	1 31	10 35	11 3	21 41	21 31	20 58	14 52	7 30
S 22	23 29	20 55	2 27	24 59	2 11	22 26	0 24	20 19	3 30	19 4	0 38	12 59	2 26	20 30	0 9	20 20	1 31	10 35	11 3	21 42	21 32	20 57	14 52	7 31
S 23	23 29	22 1	1 9	24 48	2 10	22 36	0 21	20 23	3 33	19 6	0 39	12 59	2 26	20 30	0 9	20 21	1 31	10 35	11 3	21 42	21 32	20 57	14 52	7 31
M24	23 28	21 30	0n14	24 36	2 9	22 45	0 19	20 28	3 35	19 7	0 39	12 58	2 26	20 31	0 9	20 21	1 31	10 35	11 3	21 42	21 33	20 56	14 52	7 31
T 25	23 26	19 28	1 36	24 22	2 7	22 53	0 16	20 33	3 38	19 9	0 39	12 58	2 26	20 32	0 9	20 21	1 31	10 35	11 3	21 42	21 33	20 56	14 53	7 32
W26	23 25	16 8	2 50	24 6	2 5	23 0	0 14	20 38	3 40	19 10	0 39	12 58	2 25	20 32	0 9	20 22	1 31	10 35	11 2	21 42	21 34	20 55	14 53	7 32
T 27	23 22	11 54	3 51	23 49	2 1	23 7	0 11	20 43	3 43	19 12	0 39	12 57	2 25	20 33	0 9	20 22	1 31	10 35	11 2	21 42	21 34	20 55	14 53	7 32
F 28	23 19	7 7	4 37	23 30	1 58	23 13	0 9	20 49	3 45	19 14	0 40	12 57	2 25	20 34	0 9	20 22	1 31	10 35	11 2	21 42	21 35	20 54	14 53	7 32
S 29	23 16	2 7	5 6	23 10	1 53	23 18	0 6	20 54	3 48	19 16	0 40	12 57	2 24	20 34	0 9	20 23	1 31	10 35	11 2	21 41	21 35	20 54	14 54	7 32
S 30	23 12	2s51	5 17	22 49	1 48	23 23	0 4	21 0	3 50	19 17	0 40	12 57	2 24	20 35	0 9	20 23	1 31	10 35	11 2	21 42	21 36	20 53	14 54	7 33
M31	23s 8	7s34	5n11	22s26	1s42	23s27	0n 1	21n 6	3n52	19n19	0n40	12n57	2s24	20s36	0n 9	20s23	1n31	10n35	11s 2	21n42	21n36	20s53	14n54	7s33

Julian Day Number = 2322583.5, Delta T = 45.47 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'43, Lahiri = 18°55'44Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

JANUARY 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 41 49	10♑34'38	15♏28	28♑31	29♐24	11°R13	6°R27	11°R12	2♐44	9♐17	6°R35	21°R54	22♋25	29♑53	16°R58	T 1
W 2	6 45 46	11°35'49	27°55	29°53	0♑39	10♌58	6♌20	11♉11	2°47	9°19	6♊34	21♋53	22°22	29°59	16♋54	W 2
T 3	6 49 42	12°37'00	10♐11	1♒11	1°55	10°42	6°13	11° 9	2°50	9°21	6°33	21°51	22°19	0♒ 6	16°50	T 3
F 4	6 53 39	13°38'10	22°16	2°26	3°10	10°26	6° 7	11° 8	2°53	9°23	6°32	21°50	22°16	0°13	16°45	F 4
S 5	6 57 35	14°39'21	4♑14	3°36	4°25	10° 9	6° 0	11° 8	2°56	9°25	6°31	21°49	22°13	0°19	16°41	S 5
S 6	7 1 32	15°40'32	16° 6	4°41	5°41	9°51	5°52	11° 7	2°59	9°27	6°30	21°D49	22° 9	0°26	16°37	S 6
M 7	7 5 28	16°41'42	27°55	5°40	6°56	9°33	5°45	11° 6	3° 2	9°29	6°29	21°49	22° 6	0°33	16°32	M 7
T 8	7 9 25	17°42'51	9♒42	6°33	8°12	9°14	5°38	11° 6	3° 5	9°31	6°28	21°49	22° 3	0°39	16°28	T 8
W 9	7 13 21	18°44'00	21°30	7°18	9°27	8°55	5°31	11° 5	3° 8	9°33	6°28	21°50	22° 0	0°46	16°24	W 9
T 10	7 17 18	19°45'09	3♓21	7°54	10°43	8°34	5°23	11° 5	3°10	9°35	6°27	21°50	21°57	0°53	16°19	T 10
F 11	7 21 15	20°46'17	15°19	8°21	11°58	8°14	5°16	11° 5	3°13	9°36	6°26	21°50	21°54	0°59	16°15	F 11
S 12	7 25 11	21°47'24	27°28	8°37	13°13	7°53	5° 8	11°D 5	3°16	9°38	6°25	21°R50	21°50	1° 6	16°11	S 12
S 13	7 29 8	22°48'30	9♈51	8°R43	14°29	7°31	5° 0	11° 5	3°19	9°40	6°24	21°50	21°47	1°13	16° 6	S 13
M14	7 33 4	23°49'35	22°32	8°37	15°44	7° 9	4°53	11° 5	3°21	9°42	6°24	21°D50	21°44	1°19	16° 2	M14
T 15	7 37 1	24°50'40	5♉35	8°20	16°59	6°46	4°45	11° 5	3°24	9°44	6°23	21°50	21°41	1°26	15°58	T 15
W16	7 40 57	25°51'43	19° 3	7°51	18°15	6°24	4°37	11° 5	3°27	9°45	6°22	21°51	21°38	1°32	15°53	W16
T 17	7 44 54	26°52'46	2♊59	7°10	19°30	6° 0	4°29	11° 6	3°29	9°47	6°22	21°51	21°34	1°39	15°49	T 17
F 18	7 48 50	27°53'48	17°21	6°20	20°46	5°37	4°21	11° 6	3°32	9°49	6°21	21°52	21°31	1°46	15°45	F 18
S 19	7 52 47	28°54'49	2♋ 7	5°21	22° 1	5°13	4°13	11° 7	3°34	9°50	6°20	21°52	21°28	1°52	15°41	S 19
S 20	7 56 44	29°55'48	17°11	4°14	23°16	4°50	4° 5	11° 8	3°37	9°52	6°20	21°R52	21°25	1°59	15°37	S 20
M21	8 0 40	0♒56'47	2♌26	3° 2	24°32	4°26	3°57	11° 9	3°39	9°54	6°19	21°52	21°22	2° 6	15°32	M21
T 22	8 4 37	1°57'45	17°40	1°47	25°47	4° 2	3°49	11°10	3°42	9°55	6°18	21°52	21°19	2°12	15°28	T 22
W23	8 8 33	2°58'42	2♍44	0°32	27° 2	3°38	3°41	11°11	3°44	9°57	6°18	21°51	21°15	2°19	15°24	W23
T 24	8 12 30	3°59'38	17°30	29♑17	28°18	3°14	3°33	11°12	3°46	9°58	6°17	21°49	21°12	2°26	15°20	T 24
F 25	8 16 26	5° 0'34	1♎52	28° 6	29°33	2°50	3°25	11°14	3°48	10° 0	6°17	21°47	21° 9	2°32	15°16	F 25
S 26	8 20 23	6° 1'28	15°47	27° 0	0♒48	2°26	3°17	11°15	3°51	10° 1	6°16	21°46	21° 6	2°39	15°12	S 26
S 27	8 24 19	7° 2'22	29°14	26° 1	2° 4	2° 2	3° 9	11°17	3°53	10° 3	6°16	21°45	21° 3	2°46	15° 8	S 27
M28	8 28 16	8° 3'15	12♏15	25° 9	3°19	1°39	3° 1	11°19	3°55	10° 4	6°15	21°D45	21° 0	2°52	15° 4	M28
T 29	8 32 13	9° 4'07	24°54	24°25	4°34	1°15	2°54	11°20	3°57	10° 5	6°15	21°46	20°56	2°59	15° 1	T 29
W30	8 36 9	10° 4'59	7♐14	23°50	5°49	0°52	2°46	11°22	3°59	10° 7	6°14	21°47	20°53	3° 6	14°57	W30
T 31	8 40 6	11♒ 5'50	19♐20	23♑23	7♒ 5	0♌30	2♌38	11♉24	4♐ 1	10♐ 8	6♊14	21♋49	20♋50	3♒12	14♋53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 4	11s52	4n51	22s 2	1s35	23s30	0s 1	21n12	3n55	19n21	0n40	12n56	2s24	20s36	0n 9	20s23	1n31	10n35	11s 1	21n42	21n37	20s52	14n55	7s33
W 2	22 59	15 34	4 17	21 38	1 27	23 32	0 4	21 19	3 57	19 23	0 41	12 56	2 23	20 37	0 9	20 24	1 31	10 35	11 1	21 42	21 37	20 52	14 55	7 33
T 3	22 53	18 32	3 31	21 12	1 18	23 34	0 6	21 25	3 59	19 25	0 41	12 56	2 23	20 37	0 9	20 24	1 31	10 35	11 1	21 42	21 38	20 51	14 56	7 33
F 4	22 47	20 39	2 37	20 46	1 8	23 35	0 8	21 32	4 2	19 26	0 41	12 56	2 23	20 38	0 9	20 24	1 31	10 35	11 1	21 43	21 38	20 50	14 56	7 33
S 5	22 41	21 49	1 36	20 19	0 57	23 35	0 11	21 38	4 4	19 28	0 41	12 56	2 22	20 39	0 9	20 24	1 31	10 35	11 1	21 43	21 39	20 50	14 56	7 33
S 6	22 34	21 59	0 32	19 52	0 45	23 35	0 13	21 45	4 6	19 30	0 41	12 56	2 22	20 39	0 9	20 25	1 31	10 35	11 0	21 43	21 39	20 49	14 57	7 33
M 7	22 26	21 10	0s34	19 25	0 33	23 34	0 16	21 52	4 8	19 32	0 41	12 56	2 22	20 40	0 9	20 25	1 31	10 35	11 0	21 43	21 40	20 49	14 57	7 34
T 8	22 19	19 26	1 38	18 58	0 19	23 32	0 18	21 59	4 10	19 34	0 42	12 56	2 22	20 40	0 9	20 25	1 31	10 35	11 0	21 43	21 41	20 48	14 58	7 34
W 9	22 10	16 51	2 38	18 33	0 4	23 29	0 20	22 6	4 12	19 36	0 42	12 57	2 21	20 41	0 9	20 26	1 31	10 35	11 0	21 43	21 41	20 47	14 58	7 34
T 10	22 2	13 34	3 31	18 8	0n12	23 26	0 23	22 13	4 13	19 38	0 42	12 57	2 21	20 41	0 9	20 26	1 31	10 35	11 0	21 43	21 42	20 47	14 59	7 34
F 11	21 53	9 44	4 16	17 45	0 29	23 22	0 25	22 21	4 15	19 40	0 42	12 57	2 21	20 42	0 9	20 26	1 31	10 35	10 59	21 43	21 42	20 46	14 59	7 34
S 12	21 43	5 27	4 50	17 24	0 46	23 17	0 27	22 28	4 17	19 42	0 42	12 57	2 20	20 42	0 9	20 26	1 31	10 35	10 59	21 43	21 43	20 46	15 0	7 34
S 13	21 33	0 52	5 11	17 5	1 4	23 11	0 30	22 35	4 18	19 44	0 42	12 58	2 20	20 43	0 9	20 26	1 31	10 35	10 59	21 43	21 43	20 45	15 0	7 34
M14	21 23	3n51	5 18	16 49	1 23	23 5	0 32	22 42	4 20	19 46	0 43	12 58	2 20	20 44	0 9	20 27	1 31	10 35	10 59	21 43	21 44	20 44	15 1	7 33
T 15	21 12	8 33	5 9	16 35	1 41	22 58	0 34	22 49	4 21	19 48	0 43	12 58	2 19	20 44	0 9	20 27	1 31	10 35	10 59	21 43	21 44	20 44	15 1	7 33
W16	21 1	12 59	4 43	16 25	1 59	22 50	0 36	22 56	4 22	19 50	0 43	12 59	2 19	20 45	0 9	20 27	1 31	10 36	10 58	21 43	21 45	20 43	15 2	7 33
T 17	20 49	16 52	4 0	16 18	2 17	22 42	0 38	23 3	4 23	19 52	0 43	12 59	2 19	20 45	0 9	20 27	1 31	10 36	10 58	21 42	21 45	20 43	15 2	7 33
F 18	20 37	19 53	3 1	16 15	2 34	22 33	0 41	23 10	4 24	19 54	0 43	13 0	2 19	20 45	0 9	20 28	1 31	10 36	10 58	21 42	21 46	20 42	15 3	7 33
S 19	20 25	21 40	1 48	16 14	2 49	22 23	0 43	23 17	4 25	19 56	0 43	13 0	2 18	20 46	0 9	20 28	1 31	10 36	10 58	21 42	21 46	20 41	15 4	7 33
S 20	20 12	21 57	0 26	16 17	3 3	22 12	0 45	23 24	4 26	19 58	0 43	13 1	2 18	20 46	0 9	20 28	1 31	10 36	10 58	21 42	21 47	20 41	15 4	7 33
M21	19 59	20 36	0n58	16 22	3 14	22 1	0 47	23 30	4 27	20 0	0 44	13 1	2 18	20 47	0 9	20 28	1 31	10 36	10 57	21 42	21 47	20 40	15 5	7 33
T 22	19 46	17 46	2 19	16 29	3 24	21 50	0 49	23 37	4 28	20 2	0 44	13 2	2 17	20 47	0 9	20 28	1 31	10 36	10 57	21 42	21 48	20 39	15 5	7 33
W23	19 32	13 45	3 28	16 39	3 31	21 37	0 51	23 43	4 28	20 4	0 44	13 2	2 17	20 48	0 9	20 29	1 31	10 36	10 57	21 43	21 48	20 39	15 6	7 32
T 24	19 18	8 58	4 22	16 50	3 35	21 24	0 53	23 49	4 29	20 6	0 44	13 3	2 17	20 48	0 9	20 29	1 31	10 37	10 57	21 43	21 49	20 38	15 7	7 32
F 25	19 3	3 49	4 58	17 2	3 37	21 10	0 54	23 55	4 29	20 8	0 44	13 4	2 16	20 49	0 9	20 29	1 31	10 37	10 56	21 43	21 49	20 37	15 7	7 32
S 26	18 48	1s22	5 15	17 15	3 36	20 56	0 56	24 1	4 29	20 10	0 44	13 5	2 16	20 49	0 9	20 29	1 31	10 37	10 56	21 43	21 50	20 37	15 8	7 32
S 27	18 33	6 19	5 14	17 29	3 34	20 41	0 58	24 7	4 29	20 12	0 44	13 5	2 16	20 49	0 9	20 29	1 32	10 37	10 56	21 43	21 50	20 36	15 9	7 32
M28	18 17	10 49	4 57	17 43	3 29	20 25	1 0	24 12	4 29	20 14	0 44	13 6	2 16	20 50	0 9	20 29	1 32	10 37	10 56	21 43	21 51	20 35	15 9	7 31
T 29	18 1	14 44	4 26	17 57	3 23	20 9	1 1	24 17	4 29	20 16	0 44	13 7	2 15	20 50	0 9	20 30	1 32	10 37	10 55	21 43	21 51	20 35	15 10	7 31
W30	17 45	17 54	3 43	18 10	3 15	19 52	1 3	24 22	4 29	20 18	0 45	13 8	2 15	20 51	0 9	20 30	1 32	10 38	10 55	21 43	21 51	20 34	15 11	7 31
T 31	17s29	20s13	2n50	18s23	3n 7	19s35	1s 5	24n27	4n28	20n20	0n45	13n 9	2s15	20s51	0n 9	20s30	1n32	10n38	10s55	21n43	21n52	20s33	15n11	7s30

Julian Day Number = 2322614.5, Delta T = 45.41 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'48, Lahiri = 18°55'48Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

FEBRUARY 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 44 2	12♒ 6'39	1♉16	23°R 5	8♒20	0°R 7	2°R30	11♉26	4♐ 3	10♐ 9	6°R14	21♋50	20♋47	3♒19	14°R49	F 1
S 2	8 47 59	13° 7'28	13° 7	22♉54	9°35	29♋45	2♌22	11°29	4° 5	10°11	6♊13	21°51	20°44	3°25	14♋46	S 2
S 3	8 51 55	14° 8'15	24°54	22°D52	10°50	29°24	2°14	11°31	4° 7	10°12	6°13	21°R52	20°40	3°32	14°42	S 3
M 4	8 55 52	15° 9'01	6♒41	22°56	12° 6	29° 3	2° 7	11°34	4° 8	10°13	6°13	21°51	20°37	3°39	14°39	M 4
T 5	8 59 48	16° 9'46	18°30	23° 8	13°21	28°42	1°59	11°36	4°10	10°14	6°12	21°49	20°34	3°45	14°35	T 5
W 6	9 3 45	17°10'29	0♓23	23°26	14°36	28°22	1°52	11°39	4°12	10°15	6°12	21°45	20°31	3°52	14°32	W 6
T 7	9 7 42	18°11'11	12°22	23°49	15°51	28° 3	1°44	11°42	4°13	10°17	6°12	21°41	20°28	3°59	14°28	T 7
F 8	9 11 38	19°11'52	24°29	24°19	17° 7	27°44	1°37	11°44	4°15	10°18	6°11	21°36	20°25	4° 5	14°25	F 8
S 9	9 15 35	20°12'31	6♈45	24°53	18°22	27°26	1°30	11°47	4°17	10°19	6°11	21°31	20°21	4°12	14°22	S 9
S 10	9 19 31	21°13'08	19°14	25°32	19°37	27° 9	1°22	11°50	4°18	10°20	6°11	21°27	20°18	4°19	14°19	S 10
M11	9 23 28	22°13'43	1♉57	26°15	20°52	26°52	1°15	11°54	4°19	10°21	6°11	21°23	20°15	4°25	14°16	M11
T 12	9 27 24	23°14'17	14°57	27° 1	22° 7	26°36	1° 8	11°57	4°21	10°22	6°11	21°22	20°12	4°32	14°13	T 12
W13	9 31 21	24°14'49	28°17	27°52	23°22	26°21	1° 1	12° 0	4°22	10°23	6°11	21°D21	20° 9	4°39	14°10	W13
T 14	9 35 17	25°15'19	11♊59	28°46	24°38	26° 6	0°55	12° 4	4°23	10°24	6°10	21°22	20° 5	4°45	14° 7	T 14
F 15	9 39 14	26°15'47	26° 5	29°43	25°53	25°52	0°48	12° 7	4°25	10°24	6°10	21°24	20° 2	4°52	14° 4	F 15
S 16	9 43 11	27°16'13	10♋33	0♒42	27° 8	25°39	0°42	12°11	4°26	10°25	6°10	21°25	19°59	4°59	14° 2	S 16
S 17	9 47 7	28°16'38	25°21	1°44	28°23	25°27	0°35	12°15	4°27	10°26	6°10	21°R25	19°56	5° 5	13°59	S 17
M18	9 51 4	29°17'00	10♌24	2°49	29°38	25°15	0°29	12°19	4°28	10°27	6°10	21°24	19°53	5°12	13°57	M18
T 19	9 55 0	0♓17'21	25°33	3°56	0♓53	25° 4	0°23	12°23	4°29	10°28	6°D10	21°21	19°50	5°19	13°54	T 19
W20	9 58 57	1°17'40	10♍39	5° 5	2° 8	24°55	0°17	12°27	4°30	10°28	6°10	21°16	19°46	5°25	13°52	W20
T 21	10 2 53	2°17'57	25°33	6°16	3°23	24°45	0°11	12°31	4°31	10°29	6°10	21°10	19°43	5°32	13°50	T 21
F 22	10 6 50	3°18'12	10♎ 5	7°29	4°38	24°37	0° 5	12°35	4°32	10°30	6°10	21° 3	19°40	5°38	13°47	F 22
S 23	10 10 46	4°18'26	24°11	8°44	5°53	24°29	29♋59	12°39	4°33	10°30	6°10	20°57	19°37	5°45	13°45	S 23
S 24	10 14 43	5°18'39	7♏48	10° 0	7° 8	24°23	29°54	12°44	4°33	10°31	6°10	20°52	19°34	5°52	13°43	S 24
M25	10 18 40	6°18'50	20°56	11°18	8°23	24°17	29°49	12°48	4°34	10°31	6°11	20°49	19°31	5°58	13°41	M25
T 26	10 22 36	7°18'59	3♐39	12°38	9°38	24°11	29°44	12°53	4°35	10°32	6°11	20°D47	19°27	6° 5	13°40	T 26
W27	10 26 33	8°19'07	16° 0	13°59	10°53	24° 7	29°39	12°57	4°35	10°32	6°11	20°47	19°24	6°12	13°38	W27
T 28	10 30 29	9♓19'14	28♐ 5	15♒21	12♓ 8	24♋ 3	29♋34	13♉ 2	4♐36	10♐33	6♊11	20♋49	19♋21	6♒18	13♋36	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17s12	21s37	1n51	18s36	2n57	19s17	1s 6	24n31	4n28	20n22	0n45	13n10	2s14	20s51	0n 9	20s30	1n32	10n38	10s55	21n43	21n52	20s32	15n12	7s30
S 2	16 55	22 2	0 48	18 48	2 46	18 58	1 8	24 36	4 27	20 24	0 45	13 11	2 14	20 52	0 9	20 30	1 32	10 38	10 54	21 42	21 53	20 32	15 13	7 30
S 3	16 37	21 28	0s17	18 59	2 35	18 39	1 9	24 40	4 27	20 26	0 45	13 12	2 14	20 52	0 9	20 30	1 32	10 38	10 54	21 42	21 53	20 31	15 13	7 30
M 4	16 19	19 57	1 21	19 10	2 24	18 20	1 10	24 43	4 26	20 27	0 45	13 13	2 14	20 52	0 9	20 31	1 32	10 39	10 54	21 42	21 54	20 30	15 14	7 29
T 5	16 1	17 33	2 22	19 20	2 12	17 59	1 12	24 47	4 25	20 29	0 45	13 14	2 13	20 53	0 9	20 31	1 32	10 39	10 54	21 43	21 54	20 30	15 15	7 29
W 6	15 43	14 25	3 16	19 28	2 0	17 39	1 13	24 50	4 24	20 31	0 45	13 15	2 13	20 53	0 9	20 31	1 32	10 39	10 53	21 43	21 55	20 29	15 15	7 28
T 7	15 24	10 40	4 3	19 36	1 48	17 18	1 14	24 53	4 23	20 33	0 45	13 16	2 13	20 53	0 9	20 31	1 32	10 39	10 53	21 44	21 55	20 28	15 16	7 28
F 8	15 6	6 28	4 39	19 43	1 37	16 56	1 15	24 56	4 22	20 35	0 45	13 17	2 12	20 54	0 9	20 31	1 32	10 39	10 53	21 45	21 56	20 27	15 17	7 28
S 9	14 47	1 57	5 3	19 48	1 25	16 34	1 17	24 58	4 21	20 36	0 45	13 18	2 12	20 54	0 9	20 31	1 32	10 40	10 53	21 46	21 56	20 27	15 18	7 27
S 10	14 27	2n43	5 13	19 53	1 13	16 11	1 18	25 1	4 20	20 38	0 45	13 20	2 12	20 54	0 9	20 31	1 32	10 40	10 52	21 46	21 57	20 26	15 18	7 27
M11	14 8	7 21	5 8	19 56	1 2	15 48	1 19	25 3	4 18	20 39	0 46	13 21	2 12	20 54	0 9	20 31	1 32	10 40	10 52	21 47	21 57	20 25	15 19	7 26
T 12	13 48	11 46	4 47	19 58	0 50	15 25	1 20	25 4	4 17	20 41	0 46	13 22	2 11	20 55	0 9	20 31	1 32	10 40	10 52	21 47	21 58	20 24	15 20	7 26
W13	13 28	15 44	4 11	19 59	0 39	15 1	1 20	25 6	4 15	20 43	0 46	13 23	2 11	20 55	0 9	20 32	1 32	10 41	10 51	21 47	21 58	20 23	15 21	7 26
T 14	13 8	18 59	3 19	19 59	0 29	14 37	1 21	25 7	4 14	20 44	0 46	13 25	2 11	20 55	0 9	20 32	1 32	10 41	10 51	21 47	21 59	20 23	15 21	7 25
F 15	12 47	21 11	2 14	19 57	0 18	14 12	1 22	25 9	4 12	20 46	0 46	13 26	2 10	20 55	0 9	20 32	1 32	10 41	10 51	21 47	21 59	20 22	15 22	7 25
S 16	12 27	22 5	0 59	19 55	0 8	13 47	1 23	25 9	4 11	20 47	0 46	13 27	2 10	20 56	0 9	20 32	1 32	10 41	10 51	21 47	22 0	20 21	15 23	7 24
S 17	12 6	21 28	0n21	19 51	0s 2	13 22	1 23	25 10	4 9	20 49	0 46	13 29	2 10	20 56	0 9	20 32	1 32	10 42	10 50	21 47	22 0	20 20	15 24	7 24
M18	11 45	19 18	1 42	19 45	0 12	12 56	1 24	25 11	4 7	20 50	0 46	13 30	2 10	20 56	0 9	20 32	1 32	10 42	10 50	21 47	22 1	20 20	15 24	7 23
T 19	11 23	15 46	2 55	19 39	0 21	12 30	1 24	25 11	4 6	20 51	0 46	13 32	2 9	20 56	0 9	20 32	1 32	10 42	10 50	21 47	22 1	20 19	15 25	7 23
W20	11 2	11 13	3 56	19 31	0 30	12 3	1 25	25 11	4 4	20 53	0 46	13 33	2 9	20 56	0 9	20 32	1 33	10 42	10 50	21 48	22 1	20 18	15 26	7 22
T 21	10 41	6 3	4 40	19 22	0 39	11 37	1 25	25 11	4 2	20 54	0 46	13 35	2 9	20 57	0 9	20 32	1 33	10 43	10 49	21 49	22 2	20 17	15 26	7 22
F 22	10 19	0 40	5 4	19 11	0 47	11 9	1 26	25 11	4 0	20 55	0 46	13 36	2 9	20 57	0 9	20 32	1 33	10 43	10 49	21 50	22 2	20 16	15 27	7 21
S 23	9 57	4s36	5 9	19 0	0 55	10 42	1 26	25 10	3 58	20 56	0 46	13 38	2 8	20 57	0 9	20 32	1 33	10 43	10 49	21 51	22 3	20 15	15 28	7 21
S 24	9 35	9 27	4 57	18 47	1 3	10 14	1 26	25 9	3 56	20 58	0 46	13 39	2 8	20 57	0 9	20 32	1 33	10 43	10 48	21 52	22 3	20 15	15 29	7 20
M25	9 13	13 42	4 28	18 32	1 10	9 46	1 26	25 9	3 54	20 59	0 46	13 41	2 8	20 57	0 9	20 32	1 33	10 44	10 48	21 52	22 4	20 14	15 29	7 20
T 26	8 50	17 12	3 48	18 17	1 17	9 18	1 26	25 8	3 52	21 0	0 46	13 42	2 8	20 57	0 9	20 32	1 33	10 44	10 48	21 52	22 4	20 13	15 30	7 19
W27	8 28	19 49	2 57	17 59	1 23	8 50	1 26	25 7	3 50	21 1	0 46	13 44	2 7	20 57	0 9	20 32	1 33	10 44	10 48	21 52	22 5	20 12	15 31	7 18
T 28	8s 5	21s28	2n 0	17s41	1s29	8s21	1s26	25n 5	3n48	21n 2	0n46	13n46	2s 7	20s58	0n 9	20s32	1n33	10n45	10s47	21n52	22n 5	20s11	15n32	7s18

Julian Day Number = 2322645.5, Delta T = 45.35 sec
Ecliptic obliquity = 23°29'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'52, Lahiri = 18°55'52Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

MARCH 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 34 26	10♓19'18	9♉58	16♒45	13♓23	24°R 0	29°R30	13♉ 7	4♐36	10♐33	6♊11	20♋50	19♋18	6♒25	13°R35	F 1
S 2	10 38 22	11°19'21	21°46	18°11	14°37	23♋58	29♋25	13°12	4°37	10°34	6°12	20°R50	19°15	6°32	13♋33	S 2
S 3	10 42 19	12°19'23	3♒31	19°37	15°52	23°57	29°21	13°17	4°37	10°34	6°12	20°49	19°11	6°38	13°32	S 3
M 4	10 46 15	13°19'22	15°19	21° 5	17° 7	23°D56	29°17	13°22	4°38	10°34	6°12	20°46	19° 8	6°45	13°31	M 4
T 5	10 50 12	14°19'20	27°13	22°34	18°22	23°56	29°13	13°27	4°38	10°35	6°12	20°41	19° 5	6°52	13°29	T 5
W 6	10 54 9	15°19'16	9♓14	24° 4	19°37	23°57	29° 9	13°32	4°38	10°35	6°13	20°33	19° 2	6°58	13°28	W 6
T 7	10 58 5	16°19'10	21°24	25°36	20°52	23°59	29° 6	13°38	4°38	10°35	6°13	20°23	18°59	7° 5	13°27	T 7
F 8	11 2 2	17°19'02	3♈45	27° 9	22° 6	24° 1	29° 2	13°43	4°38	10°35	6°13	20°12	18°56	7°12	13°26	F 8
S 9	11 5 58	18°18'52	16°17	28°43	23°21	24° 4	28°59	13°48	4°38	10°35	6°14	20° 1	18°52	7°18	13°26	S 9
S 10	11 9 55	19°18'39	29° 0	0♓18	24°36	24° 8	28°56	13°54	4°R38	10°36	6°14	19°51	18°49	7°25	13°25	S 10
M11	11 13 51	20°18'25	11♉55	1°55	25°51	24°12	28°53	14° 0	4°38	10°36	6°15	19°43	18°46	7°32	13°24	M11
T 12	11 17 48	21°18'08	25° 3	3°32	27° 5	24°17	28°51	14° 5	4°38	10°36	6°15	19°37	18°43	7°38	13°24	T 12
W13	11 21 44	22°17'50	8♊25	5°11	28°20	24°23	28°48	14°11	4°38	10°R36	6°16	19°34	18°40	7°45	13°23	W13
T 14	11 25 41	23°17'29	22° 3	6°51	29°35	24°29	28°46	14°17	4°38	10°36	6°16	19°D33	18°37	7°52	13°23	T 14
F 15	11 29 37	24°17'05	5♋57	8°33	0♈49	24°36	28°44	14°23	4°38	10°36	6°17	19°34	18°33	7°58	13°23	F 15
S 16	11 33 34	25°16'40	20° 8	10°15	2° 4	24°44	28°42	14°29	4°37	10°35	6°17	19°R34	18°30	8° 5	13°23	S 16
S 17	11 37 31	26°16'11	4♌35	11°59	3°19	24°52	28°41	14°35	4°37	10°35	6°18	19°33	18°27	8°11	13°D23	S 17
M18	11 41 27	27°15'41	19°15	13°44	4°33	25° 1	28°39	14°41	4°37	10°35	6°18	19°30	18°24	8°18	13°23	M18
T 19	11 45 24	28°15'08	4♍ 4	15°31	5°48	25°10	28°38	14°47	4°36	10°35	6°19	19°25	18°21	8°25	13°23	T 19
W20	11 49 20	29°14'33	18°53	17°19	7° 2	25°20	28°37	14°53	4°36	10°35	6°19	19°16	18°17	8°31	13°23	W20
T 21	11 53 17	0♈13'56	3♎36	19° 8	8°17	25°31	28°36	14°59	4°35	10°35	6°20	19° 6	18°14	8°38	13°24	T 21
F 22	11 57 13	1°13'17	18° 2	20°58	9°31	25°42	28°35	15° 5	4°34	10°34	6°21	18°55	18°11	8°45	13°24	F 22
S 23	12 1 10	2°12'36	2♏ 8	22°50	10°46	25°54	28°35	15°12	4°34	10°34	6°21	18°44	18° 8	8°51	13°25	S 23
S 24	12 5 6	3°11'53	15°47	24°43	12° 0	26° 6	28°34	15°18	4°33	10°34	6°22	18°35	18° 5	8°58	13°25	S 24
M25	12 9 3	4°11'08	28°59	26°37	13°14	26°18	28°D34	15°25	4°32	10°33	6°23	18°28	18° 2	9° 5	13°26	M25
T 26	12 13 0	5°10'22	11♐46	28°33	14°29	26°32	28°34	15°31	4°31	10°33	6°24	18°23	17°58	9°11	13°27	T 26
W27	12 16 56	6° 9'33	24°11	0♈30	15°43	26°45	28°34	15°38	4°30	10°32	6°24	18°21	17°55	9°18	13°28	W27
T 28	12 20 53	7° 8'43	6♑18	2°28	16°57	26°59	28°35	15°44	4°30	10°32	6°25	18°D21	17°52	9°25	13°29	T 28
F 29	12 24 49	8° 7'51	18°13	4°28	18°12	27°14	28°35	15°51	4°29	10°31	6°26	18°R21	17°49	9°31	13°30	F 29
S 30	12 28 46	9° 6'58	0♒ 1	6°28	19°26	27°29	28°36	15°58	4°28	10°31	6°27	18°20	17°46	9°38	13°31	S 30
S 31	12 32 42	10♈ 6'02	11♒48	8♈30	20♈40	27♋45	28♋37	16♉ 4	4♐27	10♐30	6♊27	18♋18	17♋42	9♒45	13♋33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7s43	22s 8	0n58	17s21	1s35	7s52	1s26	25n 4	3n46	21n 3	0n46	13n47	2s 7	20s58	0n 9	20s32	1n33	10n45	10s47	21n52	22n 6	20s10	15n32	7s17
S 2	7 20	21 48	0s 5	17 0	1 41	7 23	1 26	25 2	3 44	21 4	0 46	13 49	2 7	20 58	0 9	20 32	1 33	10 45	10 47	21 52	22 6	20 10	15 33	7 17
S 3	6 57	20 30	1 8	16 38	1 46	6 54	1 26	25 0	3 42	21 5	0 46	13 51	2 6	20 58	0 9	20 32	1 33	10 46	10 47	21 52	22 6	20 9	15 34	7 16
M 4	6 34	18 18	2 8	16 14	1 50	6 24	1 25	24 59	3 40	21 5	0 46	13 53	2 6	20 58	0 9	20 32	1 33	10 46	10 46	21 53	22 7	20 8	15 34	7 16
T 5	6 11	15 19	3 3	15 49	1 55	5 55	1 25	24 56	3 38	21 6	0 46	13 54	2 6	20 58	0 9	20 32	1 33	10 46	10 46	21 53	22 7	20 7	15 35	7 15
W 6	5 48	11 40	3 50	15 23	1 59	5 25	1 24	24 54	3 36	21 7	0 46	13 56	2 6	20 58	0 9	20 32	1 33	10 47	10 46	21 55	22 8	20 6	15 36	7 14
T 7	5 24	7 30	4 27	14 56	2 2	4 55	1 24	24 52	3 34	21 8	0 46	13 58	2 5	20 58	0 9	20 32	1 33	10 47	10 46	21 56	22 8	20 5	15 37	7 14
F 8	5 1	2 58	4 52	14 27	2 5	4 25	1 23	24 50	3 32	21 9	0 46	14 0	2 5	20 58	0 8	20 32	1 33	10 47	10 45	21 58	22 9	20 4	15 37	7 13
S 9	4 38	1n44	5 4	13 56	2 8	3 55	1 23	24 47	3 30	21 9	0 46	14 2	2 5	20 58	0 8	20 32	1 33	10 47	10 45	21 59	22 9	20 3	15 38	7 12
S 10	4 14	6 27	5 1	13 25	2 10	3 24	1 22	24 44	3 28	21 10	0 46	14 3	2 5	20 58	0 8	20 32	1 33	10 48	10 45	22 1	22 10	20 3	15 39	7 12
M11	3 51	10 58	4 42	12 52	2 12	2 54	1 21	24 42	3 26	21 10	0 46	14 5	2 4	20 58	0 8	20 32	1 33	10 48	10 44	22 2	22 10	20 2	15 39	7 11
T 12	3 27	15 2	4 9	12 18	2 14	2 23	1 20	24 39	3 24	21 11	0 46	14 7	2 4	20 58	0 8	20 32	1 33	10 48	10 44	22 3	22 10	20 1	15 40	7 11
W13	3 4	18 26	3 21	11 43	2 15	1 53	1 20	24 36	3 22	21 11	0 46	14 9	2 4	20 58	0 8	20 32	1 34	10 49	10 44	22 3	22 11	20 0	15 41	7 10
T 14	2 40	20 54	2 21	11 6	2 15	1 22	1 19	24 33	3 20	21 12	0 46	14 11	2 4	20 58	0 8	20 32	1 34	10 49	10 44	22 3	22 11	19 59	15 41	7 9
F 15	2 16	22 9	1 12	10 28	2 15	0 51	1 18	24 29	3 18	21 12	0 46	14 13	2 4	20 58	0 8	20 32	1 34	10 49	10 43	22 3	22 12	19 58	15 42	7 9
S 16	1 53	22 1	0n 3	9 49	2 15	0 21	1 17	24 26	3 16	21 13	0 46	14 15	2 3	20 58	0 8	20 32	1 34	10 50	10 43	22 3	22 12	19 57	15 43	7 8
S 17	1 29	20 26	1 19	9 8	2 14	0n10	1 15	24 23	3 14	21 13	0 46	14 17	2 3	20 58	0 8	20 32	1 34	10 50	10 43	22 3	22 13	19 56	15 43	7 7
M18	1 5	17 28	2 31	8 27	2 13	0 41	1 14	24 19	3 12	21 13	0 46	14 19	2 3	20 58	0 8	20 32	1 34	10 50	10 43	22 4	22 13	19 55	15 44	7 7
T 19	0 42	13 21	3 33	7 44	2 11	1 11	1 13	24 15	3 10	21 13	0 46	14 21	2 3	20 58	0 8	20 32	1 34	10 51	10 42	22 5	22 14	19 54	15 45	7 6
W20	0 18	8 24	4 21	7 0	2 9	1 42	1 12	24 12	3 8	21 14	0 46	14 23	2 3	20 58	0 8	20 32	1 34	10 51	10 42	22 6	22 14	19 53	15 45	7 5
T 21	0n 6	3 1	4 51	6 14	2 6	2 13	1 10	24 8	3 6	21 14	0 46	14 25	2 2	20 57	0 8	20 32	1 34	10 52	10 42	22 7	22 14	19 52	15 46	7 5
F 22	0 29	2s26	5 2	5 28	2 2	2 43	1 9	24 4	3 4	21 14	0 46	14 27	2 2	20 57	0 8	20 31	1 34	10 52	10 42	22 9	22 15	19 51	15 46	7 4
S 23	0 53	7 38	4 54	4 40	1 59	3 14	1 7	24 0	3 2	21 14	0 46	14 29	2 2	20 57	0 8	20 31	1 34	10 52	10 41	22 10	22 15	19 50	15 47	7 4
S 24	1 16	12 18	4 29	3 51	1 54	3 44	1 6	23 55	3 0	21 14	0 46	14 31	2 2	20 57	0 8	20 31	1 34	10 53	10 41	22 12	22 16	19 49	15 48	7 3
M25	1 40	16 13	3 50	3 1	1 50	4 15	1 4	23 51	2 59	21 14	0 46	14 33	2 2	20 57	0 8	20 31	1 34	10 53	10 41	22 13	22 16	19 48	15 48	7 2
T 26	2 4	19 15	3 1	2 10	1 44	4 45	1 3	23 47	2 57	21 14	0 46	14 35	2 2	20 57	0 8	20 31	1 34	10 53	10 41	22 13	22 17	19 47	15 49	7 2
W27	2 27	21 17	2 5	1 18	1 38	5 15	1 1	23 42	2 55	21 14	0 46	14 37	2 1	20 57	0 8	20 31	1 34	10 54	10 40	22 13	22 17	19 46	15 49	7 1
T 28	2 50	22 17	1 4	0 25	1 32	5 46	0 59	23 38	2 53	21 14	0 46	14 39	2 1	20 56	0 8	20 31	1 34	10 54	10 40	22 14	22 17	19 45	15 50	7 0
F 29	3 14	22 14	0 1	0n29	1 25	6 16	0 58	23 33	2 51	21 14	0 46	14 41	2 1	20 56	0 8	20 31	1 34	10 54	10 40	22 14	22 18	19 44	15 50	7 0
S 30	3 37	21 11	1s 2	1 23	1 18	6 45	0 56	23 28	2 49	21 13	0 46	14 43	2 1	20 56	0 8	20 31	1 34	10 55	10 40	22 14	22 18	19 43	15 51	6 59
S 31	4n 0	19s13	2s 1	2n19	1s10	7n15	0s54	23n23	2n48	21n13	0n46	14n45	2s 1	20s56	0n 8	20s31	1n34	10n55	10s40	22n14	22n19	19s42	15n51	6s58

Julian Day Number = 2322673.5, Delta T = 45.30 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°48'56, Lahiri = 18°55'56Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

APRIL 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 36 39	11♈ 5'05	23♒39	10♈33	21♈55	28♋ 1	28♋38	16♉11	4°R25	10°R30	6♊28	18°R14	17♋39	9♒51	13♋34	M 1
T 2	12 40 35	12° 4'05	5♓38	12°37	23° 9	28°17	28°40	16°18	4♐24	10♐29	6°29	18♋ 7	17°36	9°58	13°36	T 2
W 3	12 44 32	13° 3'04	17°47	14°41	24°23	28°34	28°41	16°25	4°23	10°28	6°30	17°57	17°33	10° 5	13°37	W 3
T 4	12 48 29	14° 2'01	0♈10	16°46	25°37	28°51	28°43	16°32	4°22	10°28	6°31	17°45	17°30	10°11	13°39	T 4
F 5	12 52 25	15° 0'56	12°46	18°52	26°51	29° 9	28°45	16°39	4°21	10°27	6°32	17°31	17°27	10°18	13°41	F 5
S 6	12 56 22	15°59'49	25°37	20°58	28° 6	29°27	28°47	16°46	4°19	10°26	6°33	17°18	17°23	10°25	13°43	S 6
S 7	13 0 18	16°58'40	8♉41	23° 3	29°20	29°46	28°49	16°53	4°18	10°25	6°34	17° 6	17°20	10°31	13°45	S 7
M 8	13 4 15	17°57'29	21°56	25° 9	0♉34	0♌ 5	28°52	17° 0	4°16	10°25	6°35	16°55	17°17	10°38	13°47	M 8
T 9	13 8 11	18°56'15	5♊22	27°13	1°48	0°24	28°55	17° 7	4°15	10°24	6°36	16°48	17°14	10°45	13°49	T 9
W10	13 12 8	19°55'00	18°58	29°17	3° 2	0°44	28°57	17°15	4°13	10°23	6°37	16°44	17°11	10°51	13°51	W10
T 11	13 16 4	20°53'42	2♋44	1♉20	4°16	1° 4	29° 0	17°22	4°12	10°22	6°38	16°42	17° 8	10°58	13°54	T 11
F 12	13 20 1	21°52'22	16°38	3°20	5°30	1°24	29° 4	17°29	4°10	10°21	6°39	16°41	17° 4	11° 4	13°56	F 12
S 13	13 23 58	22°51'00	0♌42	5°19	6°44	1°45	29° 7	17°36	4° 9	10°20	6°40	16°41	17° 1	11°11	13°59	S 13
S 14	13 27 54	23°49'35	14°54	7°16	7°58	2° 6	29°11	17°44	4° 7	10°19	6°41	16°40	16°58	11°18	14° 1	S 14
M15	13 31 51	24°48'09	29°14	9°10	9°12	2°27	29°14	17°51	4° 5	10°18	6°42	16°37	16°55	11°24	14° 4	M15
T 16	13 35 47	25°46'40	13♍37	11° 1	10°26	2°49	29°18	17°58	4° 4	10°17	6°43	16°31	16°52	11°31	14° 7	T 16
W17	13 39 44	26°45'08	28° 1	12°49	11°39	3°11	29°22	18° 6	4° 2	10°16	6°44	16°22	16°48	11°38	14°10	W17
T 18	13 43 40	27°43'35	12♎19	14°33	12°53	3°33	29°26	18°13	4° 0	10°15	6°45	16°12	16°45	11°44	14°13	T 18
F 19	13 47 37	28°42'00	26°26	16°14	14° 7	3°56	29°31	18°21	3°58	10°14	6°46	16° 0	16°42	11°51	14°16	F 19
S 20	13 51 33	29°40'23	10♏16	17°51	15°21	4°19	29°35	18°28	3°56	10°13	6°47	15°49	16°39	11°58	14°19	S 20
S 21	13 55 30	0♉38'44	23°45	19°24	16°34	4°42	29°40	18°36	3°54	10°12	6°48	15°39	16°36	12° 4	14°22	S 21
M22	13 59 26	1°37'03	6♐52	20°53	17°48	5° 5	29°45	18°43	3°52	10°11	6°49	15°31	16°33	12°11	14°26	M22
T 23	14 3 23	2°35'21	19°37	22°18	19° 2	5°29	29°50	18°51	3°50	10° 9	6°51	15°26	16°29	12°18	14°29	T 23
W24	14 7 20	3°33'38	2♑ 2	23°38	20°16	5°53	29°55	18°58	3°48	10° 8	6°52	15°23	16°26	12°24	14°33	W24
T 25	14 11 16	4°31'52	14°10	24°54	21°29	6°18	0♌ 0	19° 6	3°46	10° 7	6°53	15°D22	16°23	12°31	14°36	T 25
F 26	14 15 13	5°30'05	26° 7	26° 5	22°43	6°42	0° 6	19°14	3°44	10° 6	6°54	15°23	16°20	12°38	14°40	F 26
S 27	14 19 9	6°28'17	7♒58	27°11	23°56	7° 7	0°12	19°21	3°42	10° 4	6°55	15°R23	16°17	12°44	14°44	S 27
S 28	14 23 6	7°26'27	19°47	28°13	25°10	7°32	0°17	19°29	3°40	10° 3	6°57	15°22	16°14	12°51	14°47	S 28
M29	14 27 2	8°24'36	1♓40	29°10	26°23	7°57	0°23	19°37	3°38	10° 2	6°58	15°19	16°10	12°58	14°51	M29
T 30	14 30 59	9♉22'43	13♓43	0♊ 2	27♉37	8♌23	0♌29	19♉44	3♐36	10♐ 1	6♊59	15♋14	16♋ 7	13♒ 4	14♋55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n24	16s25	2s55	3n15	1s 1	7n45	0s52	23n18	2n46	21n13	0n46	14n47	2s 0	20s56	0n 8	20s30	1n34	10n55	10s39	22n14	22n19	19s41	15n52	6s58
T 2	4 47	12 55	3 43	4 11	0 53	8 14	0 50	23 13	2 44	21 13	0 45	14 49	2 0	20 55	0 8	20 30	1 34	10 56	10 39	22 15	22 19	19 40	15 52	6 57
W 3	5 10	8 49	4 20	5 8	0 43	8 43	0 48	23 8	2 42	21 12	0 45	14 52	2 0	20 55	0 8	20 30	1 34	10 56	10 39	22 17	22 20	19 39	15 53	6 56
T 4	5 33	4 19	4 46	6 5	0 34	9 12	0 46	23 3	2 41	21 12	0 45	14 54	2 0	20 55	0 8	20 30	1 34	10 56	10 39	22 18	22 20	19 38	15 53	6 56
F 5	5 56	0n28	4 59	7 2	0 23	9 41	0 44	22 57	2 39	21 11	0 45	14 56	2 0	20 55	0 8	20 30	1 35	10 57	10 38	22 20	22 21	19 37	15 54	6 55
S 6	6 18	5 18	4 57	8 0	0 13	10 10	0 42	22 52	2 37	21 11	0 45	14 58	2 0	20 55	0 8	20 30	1 35	10 57	10 38	22 22	22 21	19 36	15 54	6 55
S 7	6 41	10 0	4 39	8 56	0 2	10 38	0 40	22 46	2 35	21 10	0 45	15 0	2 0	20 54	0 8	20 30	1 35	10 58	10 38	22 23	22 21	19 35	15 55	6 54
M 8	7 3	14 19	4 7	9 53	0n 8	11 6	0 38	22 41	2 34	21 10	0 45	15 2	1 59	20 54	0 8	20 29	1 35	10 58	10 38	22 25	22 22	19 34	15 55	6 53
T 9	7 26	17 58	3 20	10 48	0 20	11 34	0 35	22 35	2 32	21 9	0 45	15 4	1 59	20 54	0 8	20 29	1 35	10 58	10 38	22 26	22 22	19 33	15 55	6 53
W10	7 48	20 41	2 21	11 43	0 31	12 2	0 33	22 29	2 31	21 9	0 45	15 6	1 59	20 54	0 8	20 29	1 35	10 59	10 37	22 26	22 23	19 32	15 56	6 52
T 11	8 10	22 14	1 13	12 37	0 42	12 29	0 31	22 23	2 29	21 8	0 45	15 9	1 59	20 53	0 8	20 29	1 35	10 59	10 37	22 26	22 23	19 31	15 56	6 51
F 12	8 32	22 27	0 0	13 29	0 53	12 56	0 29	22 17	2 27	21 7	0 45	15 11	1 59	20 53	0 8	20 29	1 35	10 59	10 37	22 26	22 24	19 30	15 57	6 51
S 13	8 54	21 14	1n13	14 19	1 4	13 22	0 26	22 11	2 26	21 6	0 45	15 13	1 59	20 53	0 8	20 29	1 35	11 0	10 37	22 26	22 24	19 29	15 57	6 50
S 14	9 16	18 41	2 23	15 8	1 14	13 49	0 24	22 4	2 24	21 6	0 45	15 15	1 59	20 52	0 8	20 28	1 35	11 0	10 37	22 27	22 24	19 28	15 57	6 49
M15	9 37	14 57	3 25	15 55	1 25	14 15	0 22	21 58	2 23	21 5	0 45	15 17	1 59	20 52	0 8	20 28	1 35	11 0	10 36	22 27	22 25	19 27	15 58	6 49
T 16	9 59	10 21	4 13	16 40	1 35	14 40	0 19	21 51	2 21	21 4	0 45	15 19	1 58	20 52	0 8	20 28	1 35	11 1	10 36	22 28	22 25	19 26	15 58	6 48
W17	10 20	5 10	4 46	17 22	1 44	15 6	0 17	21 45	2 20	21 3	0 45	15 22	1 58	20 51	0 8	20 28	1 35	11 1	10 36	22 29	22 26	19 24	15 58	6 48
T 18	10 41	0s16	5 0	18 2	1 53	15 31	0 14	21 38	2 18	21 2	0 45	15 24	1 58	20 51	0 8	20 28	1 35	11 1	10 36	22 30	22 26	19 23	15 59	6 47
F 19	11 2	5 37	4 56	18 40	2 1	15 55	0 12	21 31	2 16	21 1	0 45	15 26	1 58	20 51	0 8	20 28	1 35	11 2	10 36	22 31	22 26	19 22	15 59	6 46
S 20	11 23	10 35	4 34	19 15	2 9	16 19	0 9	21 24	2 15	21 0	0 45	15 28	1 58	20 50	0 8	20 27	1 35	11 2	10 35	22 33	22 27	19 21	15 59	6 46
S 21	11 43	14 54	3 58	19 48	2 16	16 43	0 7	21 17	2 14	20 59	0 45	15 30	1 58	20 50	0 8	20 27	1 35	11 3	10 35	22 34	22 27	19 20	15 59	6 45
M22	12 4	18 23	3 9	20 18	2 22	17 6	0 4	21 10	2 12	20 58	0 45	15 32	1 58	20 50	0 8	20 27	1 35	11 3	10 35	22 35	22 27	19 19	16 0	6 45
T 23	12 24	20 53	2 12	20 45	2 28	17 29	0 2	21 3	2 11	20 57	0 45	15 35	1 58	20 49	0 8	20 27	1 35	11 3	10 35	22 35	22 28	19 18	16 0	6 44
W24	12 44	22 18	1 10	21 10	2 32	17 51	0n 1	20 55	2 9	20 56	0 45	15 37	1 58	20 49	0 8	20 27	1 35	11 4	10 35	22 36	22 28	19 17	16 0	6 44
T 25	13 3	22 37	0 6	21 33	2 36	18 13	0 3	20 48	2 8	20 55	0 45	15 39	1 57	20 49	0 8	20 26	1 35	11 4	10 35	22 36	22 29	19 16	16 0	6 43
F 26	13 23	21 54	0s57	21 52	2 38	18 35	0 6	20 40	2 6	20 54	0 45	15 41	1 57	20 48	0 8	20 26	1 35	11 4	10 34	22 36	22 29	19 14	16 0	6 42
S 27	13 42	20 12	1 57	22 10	2 40	18 56	0 8	20 33	2 5	20 52	0 44	15 43	1 57	20 48	0 8	20 26	1 35	11 5	10 34	22 36	22 29	19 13	16 1	6 42
S 28	14 1	17 38	2 52	22 25	2 41	19 16	0 11	20 25	2 4	20 51	0 44	15 45	1 57	20 47	0 8	20 26	1 35	11 5	10 34	22 36	22 30	19 12	16 1	6 41
M29	14 20	14 20	3 41	22 37	2 40	19 36	0 14	20 17	2 2	20 50	0 44	15 47	1 57	20 47	0 8	20 25	1 35	11 5	10 34	22 36	22 30	19 11	16 1	6 41
T 30	14n39	10s24	4s19	22n47	2n39	19n56	0n16	20n 9	2n 1	20n48	0n44	15n50	1s57	20s47	0n 8	20s25	1n35	11n 6	10s34	22n37	22n31	19s10	16n 1	6s40

Julian Day Number = 2322704.5, Delta T = 45.24 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'00, Lahiri = 18°56'00Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

MAY 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 34 55	10♉20'49	25♓58	0♊49	28♉50	8♌48	0♌36	19♉52	3°R34	9°R59	7♊ 0	15°R 7	16♋ 4	13♒11	14♋59	W 1
T 2	14 38 52	11°18'53	8♈30	1°31	0♊ 4	9°14	0°42	20° 0	3♐31	9♐58	7° 2	14♋58	16° 1	13°18	15° 3	T 2
F 3	14 42 49	12°16'55	21°19	2° 9	1°17	9°41	0°48	20° 7	3°29	9°56	7° 3	14°47	15°58	13°24	15° 8	F 3
S 4	14 46 45	13°14'57	4♉27	2°41	2°31	10° 7	0°55	20°15	3°27	9°55	7° 4	14°37	15°54	13°31	15°12	S 4
S 5	14 50 42	14°12'56	17°52	3° 8	3°44	10°34	1° 2	20°23	3°25	9°54	7° 5	14°27	15°51	13°38	15°16	S 5
M 6	14 54 38	15°10'54	1♊31	3°30	4°57	11° 1	1° 9	20°31	3°22	9°52	7° 7	14°19	15°48	13°44	15°21	M 6
T 7	14 58 35	16° 8'51	15°21	3°46	6°11	11°28	1°16	20°38	3°20	9°51	7° 8	14°13	15°45	13°51	15°25	T 7
W 8	15 2 31	17° 6'46	29°20	3°58	7°24	11°55	1°23	20°46	3°18	9°49	7° 9	14°10	15°42	13°58	15°30	W 8
T 9	15 6 28	18° 4'39	13♋25	4° 5	8°37	12°22	1°31	20°54	3°15	9°48	7°11	14°D 9	15°39	14° 4	15°34	T 9
F 10	15 10 24	19° 2'30	27°33	4°R 6	9°51	12°50	1°38	21° 2	3°13	9°46	7°12	14° 9	15°35	14°11	15°39	F 10
S 11	15 14 21	20° 0'20	11♌42	4° 3	11° 4	13°18	1°46	21° 9	3°10	9°45	7°13	14°10	15°32	14°18	15°44	S 11
S 12	15 18 18	20°58'08	25°51	3°55	12°17	13°46	1°53	21°17	3° 8	9°43	7°14	14°R10	15°29	14°24	15°48	S 12
M13	15 22 14	21°55'54	9♍59	3°43	13°30	14°14	2° 1	21°25	3° 6	9°42	7°16	14° 9	15°26	14°31	15°53	M13
T 14	15 26 11	22°53'38	24° 3	3°27	14°43	14°43	2° 9	21°33	3° 3	9°40	7°17	14° 5	15°23	14°38	15°58	T 14
W15	15 30 7	23°51'21	8♎ 3	3° 6	15°56	15°11	2°17	21°41	3° 1	9°39	7°18	14° 0	15°20	14°44	16° 3	W15
T 16	15 34 4	24°49'02	21°54	2°43	17° 9	15°40	2°26	21°48	2°58	9°37	7°20	13°53	15°16	14°51	16° 8	T 16
F 17	15 38 0	25°46'41	5♏34	2°16	18°22	16° 9	2°34	21°56	2°56	9°36	7°21	13°45	15°13	14°58	16°14	F 17
S 18	15 41 57	26°44'20	19° 0	1°47	19°35	16°38	2°42	22° 4	2°53	9°34	7°23	13°37	15°10	15° 4	16°19	S 18
S 19	15 45 53	27°41'57	2♐10	1°15	20°48	17° 8	2°51	22°12	2°51	9°33	7°24	13°30	15° 7	15°11	16°24	S 19
M20	15 49 50	28°39'32	15° 3	0°42	22° 1	17°37	3° 0	22°19	2°48	9°31	7°25	13°25	15° 4	15°18	16°29	M20
T 21	15 53 47	29°37'07	27°38	0° 9	23°14	18° 7	3° 8	22°27	2°46	9°29	7°27	13°22	15° 0	15°24	16°35	T 21
W22	15 57 43	0♊34'41	9♑57	29♉35	24°27	18°36	3°17	22°35	2°44	9°28	7°28	13°D21	14°57	15°31	16°40	W22
T 23	16 1 40	1°32'13	22° 3	29° 1	25°40	19° 6	3°26	22°43	2°41	9°26	7°29	13°21	14°54	15°38	16°46	T 23
F 24	16 5 36	2°29'45	4♒ 0	28°28	26°52	19°36	3°35	22°50	2°39	9°25	7°31	13°22	14°51	15°44	16°51	F 24
S 25	16 9 33	3°27'16	15°51	27°56	28° 5	20° 7	3°45	22°58	2°36	9°23	7°32	13°24	14°48	15°51	16°57	S 25
S 26	16 13 29	4°24'46	27°41	27°27	29°18	20°37	3°54	23° 6	2°34	9°21	7°33	13°25	14°45	15°58	17° 2	S 26
M27	16 17 26	5°22'15	9♓35	27° 0	0♋31	21° 7	4° 3	23°13	2°31	9°20	7°35	13°R25	14°41	16° 4	17° 8	M27
T 28	16 21 22	6°19'43	21°39	26°35	1°43	21°38	4°13	23°21	2°29	9°18	7°36	13°24	14°38	16°11	17°14	T 28
W29	16 25 19	7°17'10	3♈57	26°14	2°56	22° 9	4°22	23°29	2°26	9°17	7°38	13°21	14°35	16°18	17°20	W29
T 30	16 29 16	8°14'37	16°32	25°57	4° 9	22°40	4°32	23°36	2°24	9°15	7°39	13°17	14°32	16°24	17°25	T 30
F 31	16 33 12	9♊12'03	29♈29	25♉43	5♋21	23♌11	4♌42	23♉44	2♐21	9♐13	7♊40	13♋12	14♋29	16♒31	17♋31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	14n57	6s 0	4s47	22n55	2n37	20n14	0n19	20n 1	1n59	20n47	0n44	15n52	1s57	20s46	0n 8	20s25	1n35	11n 6	10s34	22n38	22n31	19s 9	16n 1	6s40	
T 2	15 15	1 15	5 2	23 0	2 33	20 33	0 21	19 52	1 58	20 46	0 44	15 54	1 57	20 46	0 8	20 25	1 35	11 6	10 34	22 39	22 31	19 7	16 1	6 39	
F 3	15 33	3n40	5 2	23 4	2 29	20 51	0 24	19 44	1 57	20 44	0 44	15 56	1 57	20 45	0 8	20 25	1 35	11 7	10 33	22 40	22 32	19 6	16 1	6 39	
S 4	15 51	8 32	4 46	23 4	2 23	21 8	0 26	19 36	1 55	20 43	0 44	15 58	1 57	20 45	0 8	20 24	1 35	11 7	10 33	22 41	22 32	19 5	16 1	6 38	
S 5	16 8	13 7	4 14	23 3	2 16	21 25	0 29	19 27	1 54	20 41	0 44	16 0	1 57	20 44	0 8	20 24	1 35	11 7	10 33	22 42	22 32	19 4	16 1	6 38	
M 6	16 25	17 7	3 27	23 0	2 9	21 41	0 31	19 19	1 53	20 39	0 44	16 2	1 57	20 44	0 8	20 24	1 35	11 8	10 33	22 43	22 33	19 3	16 1	6 37	
T 7	16 42	20 14	2 28	22 54	2 0	21 56	0 34	19 10	1 52	20 38	0 44	16 4	1 56	20 44	0 8	20 24	1 35	11 8	10 33	22 43	22 33	19 2	16 1	6 37	
W 8	16 59	22 10	1 19	22 47	1 50	22 11	0 36	19 1	1 50	20 36	0 44	16 6	1 56	20 43	0 8	20 23	1 35	11 8	10 33	22 44	22 34	19 0	16 1	6 36	
T 9	17 15	22 44	0 4	22 37	1 39	22 25	0 39	18 52	1 49	20 35	0 44	16 9	1 56	20 43	0 8	20 23	1 35	11 8	10 33	22 44	22 34	18 59	16 1	6 36	
F 10	17 31	21 51	1n11	22 25	1 26	22 39	0 41	18 43	1 48	20 33	0 44	16 11	1 56	20 42	0 8	20 23	1 36	11 9	10 33	22 44	22 34	18 58	16 1	6 35	
S 11	17 47	19 35	2 22	22 12	1 13	22 52	0 44	18 34	1 47	20 31	0 44	16 13	1 56	20 42	0 8	20 23	1 36	11 9	10 33	22 44	22 35	18 57	16 1	6 35	
S 12	18 2	16 8	3 25	21 57	0 59	23 4	0 46	18 24	1 45	20 29	0 44	16 15	1 56	20 41	0 8	20 23	1 36	11 9	10 32	22 44	22 35	18 55	16 1	6 34	
M13	18 17	11 46	4 14	21 40	0 44	23 16	0 49	18 15	1 44	20 28	0 44	16 17	1 56	20 41	0 8	20 22	1 36	11 10	10 32	22 44	22 35	18 54	16 1	6 34	
T 14	18 32	6 47	4 49	21 21	0 29	23 27	0 51	18 5	1 43	20 26	0 44	16 19	1 56	20 40	0 8	20 22	1 36	11 10	10 32	22 44	22 36	18 53	16 1	6 33	
W15	18 46	1 29	5 5	21 1	0 13	23 38	0 53	17 56	1 42	20 24	0 44	16 21	1 56	20 40	0 8	20 22	1 36	11 10	10 32	22 45	22 36	18 52	16 1	6 33	
T 16	19 0	3s51	5 4	20 40	0s 4	23 47	0 56	17 46	1 41	20 22	0 44	16 23	1 56	20 40	0 8	20 22	1 36	11 11	10 32	22 46	22 36	18 51	16 1	6 32	
F 17	19 14	8 55	4 45	20 18	0 21	23 56	0 58	17 36	1 39	20 20	0 44	16 25	1 56	20 39	0 8	20 21	1 36	11 11	10 32	22 46	22 37	18 49	16 1	6 32	
S 18	19 28	13 29	4 11	19 55	0 39	24 5	1 0	17 26	1 38	20 18	0 44	16 27	1 56	20 39	0 8	20 21	1 36	11 11	10 32	22 47	22 37	18 48	16 1	6 31	
S 19	19 41	17 18	3 24	19 32	0 56	24 12	1 3	17 16	1 37	20 16	0 44	16 29	1 56	20 38	0 8	20 21	1 36	11 11	10 32	22 48	22 38	18 47	16 0	6 31	
M20	19 54	20 12	2 27	19 8	1 14	24 19	1 5	17 6	1 36	20 14	0 44	16 31	1 56	20 38	0 8	20 21	1 36	11 12	10 32	22 48	22 38	18 46	16 0	6 30	
T 21	20 6	22 4	1 24	18 44	1 31	24 26	1 7	16 56	1 35	20 12	0 44	16 33	1 56	20 37	0 8	20 20	1 36	11 12	10 32	22 49	22 38	18 44	16 0	6 30	
W22	20 19	22 48	0 18	18 20	1 48	24 31	1 9	16 46	1 34	20 10	0 44	16 35	1 56	20 37	0 8	20 20	1 36	11 12	10 32	22 49	22 39	18 43	16 0	6 30	
T 23	20 30	22 27	0s47	17 57	2 4	24 36	1 11	16 35	1 32	20 8	0 44	16 37	1 56	20 36	0 8	20 20	1 36	11 13	10 32	22 49	22 39	18 42	16 0	6 29	
F 24	20 42	21 4	1 50	17 35	2 20	24 40	1 13	16 25	1 31	20 6	0 44	16 39	1 56	20 36	0 8	20 20	1 36	11 13	10 31	22 49	22 39	18 40	15 59	6 29	
S 25	20 53	18 47	2 47	17 13	2 35	24 44	1 15	16 14	1 30	20 3	0 44	16 41	1 56	20 35	0 8	20 19	1 36	11 13	10 31	22 49	22 40	18 39	15 59	6 28	
S 26	21 4	15 42	3 38	16 53	2 49	24 46	1 17	16 3	1 29	20 1	0 44	16 43	1 56	20 35	0 8	20 19	1 36	11 13	10 31	22 48	22 40	18 38	15 59	6 28	
M27	21 14	11 59	4 19	16 34	3 2	24 48	1 19	15 52	1 28	19 59	0 44	16 45	1 56	20 34	0 8	20 19	1 36	11 14	10 31	22 48	22 40	18 37	15 58	6 28	
T 28	21 24	7 45	4 50	16 17	3 14	24 49	1 21	15 41	1 27	19 57	0 44	16 47	1 56	20 34	0 8	20 19	1 36	11 14	10 31	22 49	22 41	18 35	15 58	6 27	
W29	21 34	3 8	5 7	16 2	3 24	24 50	1 23	15 30	1 26	19 54	0 44	16 49	1 56	20 33	0 8	20 18	1 36	11 14	10 31	22 49	22 41	18 34	15 58	6 27	
T 30	21 43	1n43	5 11	15 49	3 34	24 50	1 25	15 19	1 25	19 52	0 43	16 50	1 56	20 33	0 8	20 18	1 36	11 14	10 31	22 49	22 41	18 33	15 57	6 27	
F 31	21n52	6n38	4s59	15n38	3s42	24n49	1n26	15n 8	1n24	19n50	0n43	16n52	1s56	20s32	0n 8	20s18	1n36	11n15	10s31	22n50	22n42	18s31	15n57	6s26	

Julian Day Number = 2322734.5, Delta T = 45.18 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'04, Lahiri = 18°56'05Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

JUNE 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 37 9	10♊ 9'29	12♉47	25°R34	6♋34	23♌42	4♌52	23♉51	2°R19	9°R12	7♊42	13°R 7	14♋25	16♒38	17♋37	S 1
S 2	16 41 5	11° 6'54	26°26	25♉29	7°46	24°14	5° 2	23°59	2♐16	9♐10	7°43	13♋ 2	14°22	16°44	17°43	S 2
M 3	16 45 2	12° 4'18	10♊25	25°D28	8°59	24°45	5°12	24° 7	2°14	9° 8	7°44	12°58	14°19	16°51	17°49	M 3
T 4	16 48 58	13° 1'41	24°40	25°31	10°11	25°17	5°22	24°14	2°11	9° 7	7°46	12°55	14°16	16°58	17°55	T 4
W 5	16 52 55	13°59'03	9♋ 4	25°40	11°24	25°48	5°32	24°22	2° 9	9° 5	7°47	12°D54	14°13	17° 4	18° 1	W 5
T 6	16 56 52	14°56'25	23°34	25°52	12°36	26°20	5°43	24°29	2° 7	9° 4	7°49	12°54	14°10	17°11	18° 8	T 6
F 7	17 0 48	15°53'45	8♌ 4	26° 9	13°48	26°52	5°53	24°36	2° 4	9° 2	7°50	12°56	14° 6	17°18	18°14	F 7
S 8	17 4 45	16°51'05	22°29	26°31	15° 1	27°24	6° 4	24°44	2° 2	9° 0	7°51	12°57	14° 3	17°24	18°20	S 8
S 9	17 8 41	17°48'23	6♍47	26°57	16°13	27°57	6°14	24°51	1°59	8°59	7°53	12°58	14° 0	17°31	18°26	S 9
M10	17 12 38	18°45'41	20°54	27°27	17°25	28°29	6°25	24°59	1°57	8°57	7°54	12°R58	13°57	17°38	18°33	M10
T 11	17 16 34	19°42'58	4♎50	28° 2	18°37	29° 2	6°36	25° 6	1°55	8°56	7°55	12°58	13°54	17°44	18°39	T 11
W12	17 20 31	20°40'13	18°33	28°41	19°49	29°34	6°47	25°13	1°52	8°54	7°57	12°56	13°51	17°51	18°45	W12
T 13	17 24 27	21°37'28	2♏ 2	29°24	21° 2	0♍ 7	6°58	25°21	1°50	8°52	7°58	12°53	13°47	17°58	18°52	T 13
F 14	17 28 24	22°34'43	15°18	0♊12	22°14	0°40	7° 9	25°28	1°48	8°51	7°59	12°51	13°44	18° 4	18°58	F 14
S 15	17 32 21	23°31'56	28°20	1° 3	23°26	1°13	7°20	25°35	1°46	8°49	8° 1	12°48	13°41	18°11	19° 5	S 15
S 16	17 36 17	24°29'09	11♐ 7	1°58	24°38	1°46	7°31	25°42	1°43	8°48	8° 2	12°45	13°38	18°18	19°11	S 16
M17	17 40 14	25°26'22	23°42	2°58	25°49	2°19	7°42	25°49	1°41	8°46	8° 3	12°44	13°35	18°24	19°18	M17
T 18	17 44 10	26°23'34	6♑ 3	4° 1	27° 1	2°52	7°53	25°56	1°39	8°45	8° 5	12°43	13°31	18°31	19°24	T 18
W19	17 48 7	27°20'46	18°13	5° 8	28°13	3°26	8° 5	26° 3	1°37	8°43	8° 6	12°D43	13°28	18°38	19°31	W19
T 20	17 52 3	28°17'58	0♒14	6°18	29°25	3°59	8°16	26°10	1°35	8°42	8° 7	12°43	13°25	18°44	19°38	T 20
F 21	17 56 0	29°15'10	12° 7	7°32	0♌37	4°33	8°27	26°17	1°33	8°40	8° 9	12°44	13°22	18°51	19°44	F 21
S 22	17 59 56	0♋12'21	23°57	8°50	1°48	5° 6	8°39	26°24	1°30	8°39	8°10	12°46	13°19	18°58	19°51	S 22
S 23	18 3 53	1° 9'33	5♓48	10°12	3° 0	5°40	8°51	26°31	1°28	8°37	8°11	12°47	13°16	19° 4	19°58	S 23
M24	18 7 50	2° 6'44	17°42	11°37	4°12	6°14	9° 2	26°38	1°26	8°36	8°13	12°48	13°12	19°11	20° 5	M24
T 25	18 11 46	3° 3'56	29°45	13° 6	5°23	6°48	9°14	26°45	1°24	8°34	8°14	12°R48	13° 9	19°18	20°11	T 25
W26	18 15 43	4° 1'07	12♈ 2	14°38	6°35	7°22	9°26	26°52	1°22	8°33	8°15	12°48	13° 6	19°24	20°18	W26
T 27	18 19 39	4°58'19	24°37	16°13	7°46	7°56	9°38	26°58	1°20	8°31	8°16	12°47	13° 3	19°31	20°25	T 27
F 28	18 23 36	5°55'31	7♉32	17°52	8°58	8°30	9°49	27° 5	1°19	8°30	8°18	12°47	13° 0	19°38	20°32	F 28
S 29	18 27 32	6°52'43	20°52	19°34	10° 9	9° 5	10° 1	27°12	1°17	8°29	8°19	12°46	12°57	19°44	20°39	S 29
S 30	18 31 29	7♋49'56	4♊37	21♊19	11♌20	9♍39	10♌13	27♉18	1♐15	8♐27	8♊20	12♋45	12♋53	19♒51	20♋45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 1	11n24	4s31	15n29	3s49	24n47	1n28	14n57	1n23	19n47	0n43	16n54	1s56	20s32	0n 8	20s18	1n36	11n15	10s31	22n50	22n42	18s30	15n57	6s26
S 2	22 9	15 43	3 47	15 22	3 55	24 45	1 30	14 45	1 22	19 45	0 43	16 56	1 56	20 31	0 8	20 18	1 36	11 15	10 31	22 51	22 42	18 29	15 56	6 26
M 3	22 17	19 16	2 48	15 18	3 59	24 42	1 31	14 34	1 20	19 42	0 43	16 58	1 56	20 31	0 8	20 17	1 36	11 15	10 31	22 51	22 43	18 27	15 56	6 25
T 4	22 24	21 44	1 38	15 15	4 2	24 38	1 33	14 22	1 19	19 40	0 43	17 0	1 56	20 31	0 8	20 17	1 36	11 16	10 31	22 51	22 43	18 26	15 55	6 25
W 5	22 31	22 49	0 21	15 15	4 5	24 33	1 34	14 10	1 18	19 37	0 43	17 1	1 56	20 30	0 8	20 17	1 36	11 16	10 31	22 51	22 43	18 25	15 55	6 25
T 6	22 38	22 23	0n58	15 17	4 6	24 28	1 35	13 58	1 17	19 35	0 43	17 3	1 56	20 30	0 8	20 17	1 36	11 16	10 31	22 51	22 44	18 23	15 54	6 24
F 7	22 44	20 26	2 14	15 21	4 6	24 22	1 37	13 46	1 16	19 32	0 43	17 5	1 56	20 29	0 8	20 16	1 36	11 16	10 31	22 51	22 44	18 22	15 54	6 24
S 8	22 50	17 12	3 21	15 27	4 5	24 16	1 38	13 34	1 15	19 30	0 43	17 7	1 56	20 29	0 8	20 16	1 36	11 16	10 31	22 51	22 44	18 21	15 53	6 24
S 9	22 55	12 58	4 14	15 35	4 2	24 8	1 39	13 22	1 14	19 27	0 43	17 9	1 56	20 28	0 8	20 16	1 36	11 17	10 31	22 51	22 45	18 19	15 53	6 23
M10	23 0	8 5	4 52	15 45	3 59	24 0	1 40	13 10	1 13	19 24	0 43	17 10	1 56	20 28	0 8	20 16	1 35	11 17	10 31	22 51	22 45	18 18	15 52	6 23
T 11	23 5	2 50	5 11	15 56	3 55	23 52	1 41	12 58	1 12	19 21	0 43	17 12	1 56	20 27	0 8	20 15	1 35	11 17	10 31	22 51	22 45	18 17	15 52	6 23
W12	23 9	2s27	5 13	16 9	3 51	23 42	1 42	12 45	1 11	19 19	0 43	17 14	1 56	20 27	0 8	20 15	1 35	11 17	10 31	22 51	22 46	18 15	15 51	6 23
T 13	23 13	7 33	4 57	16 24	3 45	23 32	1 43	12 33	1 10	19 16	0 43	17 15	1 56	20 26	0 8	20 15	1 35	11 17	10 31	22 52	22 46	18 14	15 50	6 22
F 14	23 17	12 13	4 26	16 40	3 39	23 21	1 44	12 20	1 9	19 13	0 43	17 17	1 56	20 26	0 8	20 15	1 35	11 18	10 31	22 52	22 46	18 12	15 50	6 22
S 15	23 20	16 14	3 41	16 57	3 32	23 10	1 45	12 8	1 8	19 10	0 43	17 19	1 56	20 25	0 8	20 15	1 35	11 18	10 31	22 52	22 47	18 11	15 49	6 22
S 16	23 22	19 25	2 46	17 16	3 24	22 58	1 45	11 55	1 7	19 8	0 43	17 20	1 56	20 25	0 8	20 14	1 35	11 18	10 31	22 52	22 47	18 10	15 48	6 22
M17	23 24	21 37	1 43	17 35	3 16	22 45	1 46	11 42	1 6	19 5	0 43	17 22	1 56	20 25	0 8	20 14	1 35	11 18	10 31	22 52	22 47	18 8	15 48	6 22
T 18	23 26	22 44	0 37	17 56	3 7	22 32	1 47	11 29	1 6	19 2	0 43	17 24	1 56	20 24	0 8	20 14	1 35	11 18	10 31	22 53	22 48	18 7	15 47	6 21
W19	23 27	22 45	0s30	18 17	2 57	22 18	1 47	11 16	1 5	18 59	0 43	17 25	1 56	20 24	0 8	20 14	1 35	11 19	10 31	22 53	22 48	18 5	15 46	6 21
T 20	23 28	21 42	1 35	18 39	2 47	22 4	1 47	11 3	1 4	18 56	0 43	17 27	1 56	20 23	0 8	20 13	1 35	11 19	10 31	22 52	22 48	18 4	15 46	6 21
F 21	23 29	19 41	2 36	19 2	2 37	21 49	1 48	10 50	1 3	18 53	0 43	17 28	1 56	20 23	0 8	20 13	1 35	11 19	10 31	22 52	22 49	18 3	15 45	6 21
S 22	23 29	16 51	3 29	19 25	2 26	21 33	1 48	10 37	1 2	18 50	0 43	17 30	1 56	20 23	0 8	20 13	1 35	11 19	10 31	22 52	22 49	18 1	15 44	6 21
S 23	23 29	13 20	4 14	19 48	2 15	21 17	1 48	10 24	1 1	18 47	0 43	17 31	1 57	20 22	0 8	20 13	1 35	11 19	10 31	22 52	22 49	18 0	15 43	6 20
M24	23 28	9 16	4 47	20 11	2 3	21 0	1 48	10 10	1 0	18 44	0 43	17 33	1 57	20 22	0 8	20 13	1 35	11 19	10 31	22 52	22 50	17 58	15 43	6 20
T 25	23 27	4 49	5 9	20 34	1 52	20 42	1 48	9 57	0 59	18 41	0 43	17 34	1 57	20 21	0 8	20 12	1 35	11 19	10 31	22 52	22 50	17 57	15 42	6 20
W26	23 25	0 6	5 17	20 57	1 40	20 24	1 48	9 43	0 58	18 37	0 43	17 36	1 57	20 21	0 8	20 12	1 35	11 20	10 31	22 52	22 50	17 55	15 41	6 20
T 27	23 23	4n44	5 10	21 19	1 27	20 6	1 48	9 30	0 57	18 34	0 43	17 37	1 57	20 21	0 8	20 12	1 35	11 20	10 32	22 52	22 51	17 54	15 40	6 20
F 28	23 21	9 30	4 48	21 41	1 15	19 47	1 47	9 16	0 56	18 31	0 43	17 39	1 57	20 20	0 8	20 12	1 35	11 20	10 32	22 52	22 51	17 53	15 39	6 20
S 29	23 18	13 59	4 10	22 2	1 3	19 27	1 47	9 2	0 55	18 28	0 43	17 40	1 57	20 20	0 8	20 12	1 35	11 20	10 32	22 52	22 51	17 51	15 38	6 19
S 30	23n15	17n53	3s16	22n22	0s50	19n 7	1n47	8n48	0n54	18n25	0n43	17n42	1s57	20s19	0n 8	20s12	1n35	11n20	10s32	22n52	22n52	17s50	15n38	6s19

Julian Day Number = 2322765.5, Delta T = 45.12 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'08, Lahiri = 18°56'09Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

JULY 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 35 25	8♋47'09	18♊46	23♊ 8	12♌32	10♍14	10♌25	27♉25	1°R13	8°R26	8♊21	12°R45	12♋50	19♒58	20♋52	M 1
T 2	18 39 22	9°44'22	3♋16	24°59	13°43	10°48	10°38	27°31	1♐11	8♐25	8°23	12♋45	12°47	20° 4	20°59	T 2
W 3	18 43 19	10°41'35	18° 1	26°53	14°54	11°23	10°50	27°38	1°10	8°23	8°24	12°D45	12°44	20°11	21° 6	W 3
T 4	18 47 15	11°38'49	2♌55	28°50	16° 5	11°58	11° 2	27°44	1° 8	8°22	8°25	12°45	12°41	20°18	21°13	T 4
F 5	18 51 12	12°36'02	17°49	0♋49	17°16	12°33	11°14	27°50	1° 6	8°21	8°26	12°R45	12°37	20°24	21°20	F 5
S 6	18 55 8	13°33'15	2♍36	2°51	18°27	13° 8	11°26	27°57	1° 5	8°19	8°27	12°45	12°34	20°31	21°27	S 6
S 7	18 59 5	14°30'28	17°10	4°54	19°38	13°43	11°39	28° 3	1° 3	8°18	8°28	12°45	12°31	20°38	21°34	S 7
M 8	19 3 1	15°27'41	1♎27	6°59	20°49	14°18	11°51	28° 9	1° 1	8°17	8°30	12°45	12°28	20°44	21°41	M 8
T 9	19 6 58	16°24'54	15°23	9° 5	22° 0	14°54	12° 4	28°15	1° 0	8°16	8°31	12°D44	12°25	20°51	21°48	T 9
W10	19 10 54	17°22'08	29° 0	11°12	23°11	15°29	12°16	28°21	0°58	8°15	8°32	12°45	12°22	20°58	21°55	W10
T 11	19 14 51	18°19'21	12♏17	13°20	24°21	16° 5	12°28	28°27	0°57	8°13	8°33	12°45	12°18	21° 4	22° 2	T 11
F 12	19 18 48	19°16'34	25°15	15°29	25°32	16°40	12°41	28°33	0°56	8°12	8°34	12°45	12°15	21°11	22° 9	F 12
S 13	19 22 44	20°13'48	7♐58	17°37	26°43	17°16	12°54	28°39	0°54	8°11	8°35	12°46	12°12	21°18	22°16	S 13
S 14	19 26 41	21°11'02	20°27	19°46	27°53	17°52	13° 6	28°44	0°53	8°10	8°36	12°47	12° 9	21°25	22°23	S 14
M15	19 30 37	22° 8'16	2♑44	21°54	29° 3	18°27	13°19	28°50	0°52	8° 9	8°37	12°47	12° 6	21°31	22°30	M15
T 16	19 34 34	23° 5'31	14°52	24° 1	0♍14	19° 3	13°31	28°56	0°51	8° 8	8°38	12°R48	12° 3	21°38	22°37	T 16
W17	19 38 30	24° 2'46	26°52	26° 8	1°24	19°39	13°44	29° 1	0°49	8° 7	8°39	12°47	11°59	21°45	22°44	W17
T 18	19 42 27	25° 0'02	8♒46	28°13	2°34	20°15	13°57	29° 7	0°48	8° 6	8°40	12°46	11°56	21°51	22°51	T 18
F 19	19 46 23	25°57'18	20°37	0♌18	3°44	20°52	14°10	29°12	0°47	8° 5	8°41	12°45	11°53	21°58	22°58	F 19
S 20	19 50 20	26°54'36	2♓27	2°21	4°55	21°28	14°22	29°18	0°46	8° 4	8°42	12°43	11°50	22° 5	23° 5	S 20
S 21	19 54 17	27°51'54	14°18	4°23	6° 5	22° 4	14°35	29°23	0°45	8° 3	8°43	12°40	11°47	22°11	23°12	S 21
M22	19 58 13	28°49'12	26°13	6°23	7°14	22°40	14°48	29°28	0°44	8° 2	8°44	12°38	11°43	22°18	23°19	M22
T 23	20 2 10	29°46'32	8♈17	8°22	8°24	23°17	15° 1	29°33	0°43	8° 1	8°45	12°37	11°40	22°25	23°26	T 23
W24	20 6 6	0♌43'53	20°33	10°19	9°34	23°54	15°14	29°38	0°43	8° 1	8°46	12°35	11°37	22°31	23°33	W24
T 25	20 10 3	1°41'15	3♉ 4	12°15	10°44	24°30	15°27	29°43	0°42	8° 0	8°47	12°D35	11°34	22°38	23°40	T 25
F 26	20 13 59	2°38'38	15°55	14° 9	11°53	25° 7	15°40	29°48	0°41	7°59	8°48	12°36	11°31	22°45	23°48	F 26
S 27	20 17 56	3°36'02	29°10	16° 2	13° 3	25°44	15°53	29°53	0°40	7°58	8°49	12°37	11°28	22°51	23°55	S 27
S 28	20 21 52	4°33'27	12♊51	17°52	14°12	26°21	16° 6	29°58	0°40	7°58	8°50	12°38	11°24	22°58	24° 2	S 28
M29	20 25 49	5°30'54	26°58	19°42	15°22	26°58	16°19	0♊ 2	0°39	7°57	8°50	12°39	11°21	23° 5	24° 8	M29
T 30	20 29 46	6°28'22	11♋31	21°29	16°31	27°35	16°32	0° 7	0°38	7°56	8°51	12°R40	11°18	23°11	24°15	T 30
W31	20 33 42	7♌25'51	26♋24	23♌15	17♍40	28♍12	16♌45	0♊12	0♐38	7♐56	8♊52	12♋39	11♋15	23♒18	24♋22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n12	20n52	2s 9	22n40	0s38	18n46	1n46	8n34	0n54	18n21	0n43	17n43	1s57	20s19	0n 8	20s11	1n35	11n20	10s32	22n52	22n52	17s48	15n37	6s19
T 2	23 8	22 34	0 52	22 57	0 26	18 25	1 45	8 20	0 53	18 18	0 43	17 44	1 57	20 19	0 8	20 11	1 35	11 20	10 32	22 52	22 52	17 47	15 36	6 19
W 3	23 3	22 45	0n29	23 13	0 14	18 4	1 45	8 6	0 52	18 15	0 43	17 46	1 57	20 18	0 8	20 11	1 35	11 20	10 32	22 52	22 52	17 45	15 35	6 19
T 4	22 58	21 19	1 50	23 27	0 2	17 42	1 44	7 52	0 51	18 11	0 44	17 47	1 57	20 18	0 8	20 11	1 35	11 20	10 32	22 52	22 53	17 44	15 34	6 19
F 5	22 53	18 25	3 3	23 38	0n 9	17 19	1 43	7 38	0 50	18 8	0 44	17 49	1 57	20 18	0 8	20 11	1 35	11 21	10 32	22 52	22 53	17 42	15 33	6 19
S 6	22 48	14 21	4 3	23 47	0 20	16 57	1 42	7 24	0 49	18 5	0 44	17 50	1 57	20 17	0 8	20 11	1 35	11 21	10 32	22 52	22 53	17 41	15 32	6 19
S 7	22 42	9 28	4 46	23 54	0 31	16 33	1 41	7 9	0 48	18 1	0 44	17 51	1 58	20 17	0 8	20 10	1 35	11 21	10 32	22 52	22 54	17 39	15 31	6 19
M 8	22 35	4 11	5 11	23 59	0 41	16 10	1 40	6 55	0 47	17 58	0 44	17 52	1 58	20 17	0 8	20 10	1 35	11 21	10 32	22 52	22 54	17 38	15 30	6 19
T 9	22 28	1s12	5 17	24 1	0 50	15 45	1 39	6 40	0 47	17 54	0 44	17 54	1 58	20 17	0 8	20 10	1 35	11 21	10 32	22 52	22 54	17 36	15 29	6 19
W10	22 21	6 23	5 5	24 0	0 59	15 21	1 37	6 26	0 46	17 51	0 44	17 55	1 58	20 16	0 7	20 10	1 35	11 21	10 33	22 52	22 55	17 35	15 28	6 19
T 11	22 14	11 10	4 36	23 56	1 7	14 56	1 36	6 11	0 45	17 47	0 44	17 56	1 58	20 16	0 7	20 10	1 35	11 21	10 33	22 52	22 55	17 33	15 27	6 19
F 12	22 6	15 19	3 54	23 49	1 15	14 31	1 34	5 57	0 44	17 44	0 44	17 57	1 58	20 16	0 7	20 10	1 35	11 21	10 33	22 52	22 55	17 32	15 26	6 19
S 13	21 57	18 42	3 1	23 40	1 21	14 5	1 33	5 42	0 43	17 40	0 44	17 58	1 58	20 15	0 7	20 9	1 35	11 21	10 33	22 52	22 55	17 30	15 25	6 19
S 14	21 49	21 8	2 1	23 28	1 27	13 39	1 31	5 27	0 42	17 37	0 44	18 0	1 58	20 15	0 7	20 9	1 34	11 21	10 33	22 52	22 56	17 29	15 24	6 19
M15	21 40	22 32	0 55	23 13	1 33	13 13	1 29	5 13	0 41	17 33	0 44	18 1	1 58	20 15	0 7	20 9	1 34	11 21	10 33	22 52	22 56	17 27	15 22	6 19
T 16	21 30	22 51	0s11	22 56	1 37	12 47	1 27	4 58	0 41	17 30	0 44	18 2	1 59	20 15	0 7	20 9	1 34	11 21	10 33	22 52	22 56	17 26	15 21	6 19
W17	21 20	22 5	1 17	22 37	1 41	12 20	1 26	4 43	0 40	17 26	0 44	18 3	1 59	20 14	0 7	20 9	1 34	11 21	10 33	22 52	22 57	17 24	15 20	6 19
T 18	21 10	20 20	2 19	22 15	1 43	11 52	1 23	4 28	0 39	17 22	0 44	18 4	1 59	20 14	0 7	20 9	1 34	11 21	10 33	22 52	22 57	17 23	15 19	6 19
F 19	21 0	17 43	3 14	21 51	1 46	11 25	1 21	4 13	0 38	17 19	0 44	18 5	1 59	20 14	0 7	20 9	1 34	11 21	10 34	22 52	22 57	17 21	15 18	6 19
S 20	20 49	14 22	4 1	21 25	1 47	10 57	1 19	3 58	0 37	17 15	0 44	18 6	1 59	20 14	0 7	20 9	1 34	11 21	10 34	22 53	22 57	17 19	15 17	6 19
S 21	20 38	10 28	4 38	20 57	1 48	10 29	1 17	3 43	0 36	17 11	0 44	18 7	1 59	20 14	0 7	20 9	1 34	11 21	10 34	22 53	22 58	17 18	15 16	6 19
M22	20 26	6 8	5 3	20 27	1 48	10 1	1 14	3 27	0 36	17 8	0 44	18 8	1 59	20 13	0 7	20 8	1 34	11 21	10 34	22 53	22 58	17 16	15 14	6 19
T 23	20 14	1 32	5 15	19 56	1 47	9 33	1 12	3 12	0 35	17 4	0 44	18 9	1 59	20 13	0 7	20 8	1 34	11 21	10 34	22 53	22 58	17 15	15 13	6 19
W24	20 2	3n13	5 13	19 23	1 46	9 4	1 9	2 57	0 34	17 0	0 44	18 10	1 59	20 13	0 7	20 8	1 34	11 21	10 34	22 53	22 59	17 13	15 12	6 19
T 25	19 49	7 55	4 56	18 49	1 44	8 35	1 7	2 42	0 33	16 56	0 44	18 11	2 0	20 13	0 7	20 8	1 34	11 21	10 34	22 53	22 59	17 12	15 11	6 19
F 26	19 36	12 25	4 24	18 14	1 42	8 6	1 4	2 26	0 32	16 53	0 44	18 12	2 0	20 13	0 7	20 8	1 34	11 21	10 35	22 53	22 59	17 10	15 9	6 19
S 27	19 23	16 28	3 37	17 38	1 39	7 37	1 1	2 11	0 32	16 49	0 44	18 13	2 0	20 13	0 7	20 8	1 34	11 21	10 35	22 53	22 59	17 8	15 8	6 19
S 28	19 10	19 47	2 37	17 1	1 35	7 7	0 58	1 56	0 31	16 45	0 44	18 14	2 0	20 13	0 7	20 8	1 34	11 21	10 35	22 53	23 0	17 7	15 7	6 19
M29	18 56	22 2	1 25	16 23	1 31	6 38	0 55	1 40	0 30	16 41	0 44	18 14	2 0	20 12	0 7	20 8	1 34	11 21	10 35	22 53	23 0	17 5	15 6	6 19
T 30	18 41	22 53	0 6	15 44	1 27	6 8	0 52	1 25	0 29	16 37	0 44	18 15	2 0	20 12	0 7	20 8	1 34	11 21	10 35	22 53	23 0	17 4	15 4	6 20
W31	18n27	22n 8	1n15	15n 5	1n22	5n38	0n49	1n 9	0n28	16n33	0n44	18n16	2s 0	20s12	0n 7	20s 8	1n34	11n21	10s35	22n53	23n 0	17s 2	15n 3	6s20

Julian Day Number = 2322795.5, Delta T = 45.06 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'12, Lahiri = 18°56'13Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

AUGUST 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 37 39	8♌23'21	11♌31	24♌59	18♍49	28♍49	16♌58	0♊16	0°R38	7°R55	8♊53	12°R38	11♋12	23♒25	24♋29	T 1
F 2	20 41 35	9°20'51	26°43	26°42	19°58	29°26	17°11	0°20	0♐37	7♐54	8°54	12♋35	11° 9	23°31	24°36	F 2
S 3	20 45 32	10°18'23	11♍49	28°23	21° 7	0♎ 4	17°24	0°25	0°37	7°54	8°54	12°31	11° 5	23°38	24°43	S 3
S 4	20 49 28	11°15'56	26°41	0♍ 3	22°16	0°41	17°37	0°29	0°36	7°53	8°55	12°27	11° 2	23°45	24°50	S 4
M 5	20 53 25	12°13'29	11♎12	1°41	23°25	1°19	17°50	0°33	0°36	7°53	8°56	12°24	10°59	23°51	24°57	M 5
T 6	20 57 21	13°11'04	25°17	3°18	24°33	1°56	18° 3	0°37	0°36	7°52	8°57	12°21	10°56	23°58	25° 4	T 6
W 7	21 1 18	14° 8'39	8♏56	4°53	25°42	2°34	18°16	0°41	0°36	7°52	8°57	12°D20	10°53	24° 5	25°11	W 7
T 8	21 5 15	15° 6'15	22° 9	6°26	26°50	3°12	18°29	0°45	0°36	7°52	8°58	12°20	10°49	24°11	25°18	T 8
F 9	21 9 11	16° 3'52	5♐ 0	7°58	27°58	3°49	18°42	0°48	0°D36	7°51	8°59	12°21	10°46	24°18	25°24	F 9
S 10	21 13 8	17° 1'31	17°32	9°28	29° 6	4°27	18°55	0°52	0°36	7°51	8°59	12°23	10°43	24°25	25°31	S 10
S 11	21 17 4	17°59'10	29°49	10°57	0♎14	5° 5	19° 8	0°56	0°36	7°51	9° 0	12°25	10°40	24°32	25°38	S 11
M12	21 21 1	18°56'50	11♑54	12°24	1°22	5°43	19°22	0°59	0°36	7°50	9° 0	12°R25	10°37	24°38	25°45	M12
T 13	21 24 57	19°54'32	23°52	13°49	2°30	6°21	19°35	1° 3	0°36	7°50	9° 1	12°25	10°34	24°45	25°51	T 13
W14	21 28 54	20°52'15	5♒45	15°13	3°38	7° 0	19°48	1° 6	0°36	7°50	9° 1	12°22	10°30	24°52	25°58	W14
T 15	21 32 50	21°49'59	17°35	16°35	4°45	7°38	20° 1	1° 9	0°36	7°50	9° 2	12°18	10°27	24°58	26° 5	T 15
F 16	21 36 47	22°47'44	29°25	17°56	5°53	8°16	20°14	1°12	0°37	7°49	9° 2	12°12	10°24	25° 5	26°11	F 16
S 17	21 40 44	23°45'31	11♓16	19°14	7° 0	8°55	20°27	1°15	0°37	7°49	9° 3	12° 5	10°21	25°12	26°18	S 17
S 18	21 44 40	24°43'19	23°11	20°31	8° 7	9°33	20°40	1°18	0°38	7°49	9° 3	11°57	10°18	25°18	26°24	S 18
M19	21 48 37	25°41'09	5♈12	21°46	9°14	10°12	20°53	1°21	0°38	7°49	9° 4	11°49	10°15	25°25	26°31	M19
T 20	21 52 33	26°39'01	17°19	23° 0	10°21	10°50	21° 6	1°24	0°39	7°D49	9° 4	11°42	10°11	25°32	26°38	T 20
W21	21 56 30	27°36'54	29°37	24°11	11°28	11°29	21°19	1°26	0°39	7°49	9° 5	11°37	10° 8	25°38	26°44	W21
T 22	22 0 26	28°34'49	12♉ 9	25°20	12°34	12° 8	21°32	1°29	0°40	7°49	9° 5	11°33	10° 5	25°45	26°50	T 22
F 23	22 4 23	29°32'46	24°57	26°27	13°41	12°46	21°45	1°31	0°40	7°49	9° 5	11°D32	10° 2	25°52	26°57	F 23
S 24	22 8 19	0♍30'45	8♊ 5	27°32	14°47	13°25	21°58	1°33	0°41	7°49	9° 6	11°32	9°59	25°58	27° 3	S 24
S 25	22 12 16	1°28'46	21°37	28°35	15°53	14° 4	22°12	1°36	0°42	7°50	9° 6	11°33	9°55	26° 5	27°10	S 25
M26	22 16 13	2°26'48	5♋34	29°35	16°59	14°43	22°25	1°38	0°43	7°50	9° 6	11°R34	9°52	26°12	27°16	M26
T 27	22 20 9	3°24'53	19°58	0♎32	18° 5	15°23	22°38	1°40	0°44	7°50	9° 7	11°34	9°49	26°18	27°22	T 27
W28	22 24 6	4°23'00	4♌45	1°27	19°10	16° 2	22°51	1°42	0°45	7°50	9° 7	11°32	9°46	26°25	27°28	W28
T 29	22 28 2	5°21'08	19°50	2°18	20°16	16°41	23° 3	1°43	0°46	7°51	9° 7	11°27	9°43	26°32	27°34	T 29
F 30	22 31 59	6°19'18	5♍ 5	3° 7	21°21	17°20	23°16	1°45	0°47	7°51	9° 7	11°21	9°40	26°39	27°41	F 30
S 31	22 35 55	7♍17'30	20♍19	3♎52	22♎26	18♎ 0	23♌29	1♊47	0♐48	7♐51	9♊ 8	11♋13	9♋36	26♒45	27♋47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	18n12	19n48	2n32	14n25	1n17	5n 8	0n46	0n54	0n28	16n29	0n45	18n17	2s 1	20s12	0n 7	20s 8	1n34	11n21	10s35	22n53	23n 1	17s 0	15n 2	6s20	T 1
F 2	17 57	16 3	3 39	13 45	1 11	4 38	0 42	0 38	0 27	16 25	0 45	18 18	2 1	20 12	0 7	20 8	1 34	11 21	10 36	22 53	23 1	16 59	15 0	6 20	F 2
S 3	17 42	11 18	4 30	13 4	1 5	4 8	0 39	0 22	0 26	16 22	0 45	18 18	2 1	20 12	0 7	20 8	1 34	11 21	10 36	22 54	23 1	16 57	14 59	6 20	S 3
S 4	17 26	5 56	5 1	12 23	0 59	3 37	0 36	0 7	0 25	16 18	0 45	18 19	2 1	20 12	0 7	20 8	1 33	11 21	10 36	22 54	23 2	16 56	14 58	6 20	S 4
M 5	17 10	0 22	5 13	11 42	0 52	3 7	0 32	0s 9	0 24	16 14	0 45	18 20	2 1	20 12	0 7	20 8	1 33	11 21	10 36	22 54	23 2	16 54	14 56	6 21	M 5
T 6	16 54	5s 4	5 5	11 1	0 45	2 36	0 28	0 24	0 24	16 10	0 45	18 20	2 1	20 12	0 7	20 8	1 33	11 21	10 36	22 55	23 2	16 52	14 55	6 21	T 6
W 7	16 37	10 4	4 40	10 20	0 38	2 6	0 25	0 40	0 23	16 6	0 45	18 21	2 1	20 12	0 7	20 8	1 33	11 21	10 36	22 55	23 2	16 51	14 54	6 21	W 7
T 8	16 20	14 28	4 1	9 38	0 30	1 35	0 21	0 56	0 22	16 2	0 45	18 22	2 2	20 12	0 7	20 8	1 33	11 21	10 37	22 55	23 3	16 49	14 52	6 21	T 8
F 9	16 3	18 3	3 10	8 57	0 22	1 4	0 17	1 12	0 21	15 58	0 45	18 22	2 2	20 12	0 7	20 8	1 33	11 21	10 37	22 55	23 3	16 47	14 51	6 21	F 9
S 10	15 46	20 43	2 12	8 15	0 14	0 33	0 13	1 27	0 21	15 54	0 45	18 23	2 2	20 12	0 7	20 8	1 33	11 21	10 37	22 54	23 3	16 46	14 49	6 22	S 10
S 11	15 28	22 21	1 8	7 34	0 6	0 3	0 9	1 43	0 20	15 50	0 45	18 24	2 2	20 12	0 7	20 8	1 33	11 20	10 37	22 54	23 3	16 44	14 48	6 22	S 11
M12	15 10	22 54	0 3	6 53	0s 2	0s28	0 5	1 59	0 19	15 46	0 45	18 24	2 2	20 12	0 7	20 8	1 33	11 20	10 37	22 54	23 4	16 42	14 47	6 22	M12
T 13	14 52	22 23	1s 2	6 12	0 11	0 59	0 1	2 15	0 18	15 41	0 45	18 25	2 2	20 12	0 7	20 8	1 33	11 20	10 37	22 54	23 4	16 41	14 45	6 22	T 13
W14	14 34	20 52	2 4	5 32	0 20	1 30	0s 3	2 31	0 18	15 37	0 45	18 25	2 3	20 12	0 7	20 8	1 33	11 20	10 38	22 54	23 4	16 39	14 44	6 22	W14
T 15	14 15	18 26	2 59	4 52	0 29	2 0	0 7	2 46	0 17	15 33	0 45	18 26	2 3	20 12	0 7	20 8	1 33	11 20	10 38	22 55	23 4	16 37	14 42	6 23	T 15
F 16	13 57	15 15	3 47	4 12	0 38	2 31	0 12	3 2	0 16	15 29	0 45	18 26	2 3	20 12	0 7	20 8	1 33	11 20	10 38	22 55	23 5	16 36	14 41	6 23	F 16
S 17	13 38	11 26	4 25	3 33	0 47	3 2	0 16	3 18	0 15	15 25	0 46	18 27	2 3	20 12	0 7	20 8	1 33	11 20	10 38	22 56	23 5	16 34	14 39	6 23	S 17
S 18	13 18	7 11	4 52	2 54	0 56	3 32	0 20	3 34	0 15	15 21	0 46	18 27	2 3	20 13	0 7	20 8	1 33	11 20	10 38	22 57	23 5	16 32	14 38	6 24	S 18
M19	12 59	2 37	5 6	2 16	1 6	4 3	0 25	3 50	0 14	15 17	0 46	18 27	2 3	20 13	0 7	20 8	1 33	11 20	10 38	22 58	23 5	16 31	14 36	6 24	M19
T 20	12 39	2n 5	5 7	1 38	1 15	4 33	0 29	4 6	0 13	15 13	0 46	18 28	2 4	20 13	0 7	20 8	1 33	11 20	10 39	22 58	23 6	16 29	14 35	6 24	T 20
W21	12 19	6 47	4 53	1 1	1 25	5 4	0 34	4 22	0 12	15 9	0 46	18 28	2 4	20 13	0 7	20 8	1 33	11 19	10 39	22 59	23 6	16 27	14 33	6 24	W21
T 22	11 59	11 17	4 26	0 25	1 34	5 34	0 39	4 37	0 12	15 5	0 46	18 28	2 4	20 13	0 7	20 8	1 32	11 19	10 39	22 59	23 6	16 26	14 32	6 25	T 22
F 23	11 39	15 24	3 44	0s10	1 44	6 4	0 43	4 53	0 11	15 0	0 46	18 29	2 4	20 13	0 7	20 8	1 32	11 19	10 39	22 59	23 6	16 24	14 30	6 25	F 23
S 24	11 19	18 54	2 50	0 45	1 53	6 34	0 48	5 9	0 10	14 56	0 46	18 29	2 4	20 13	0 7	20 8	1 32	11 19	10 39	22 59	23 7	16 22	14 29	6 25	S 24
S 25	10 58	21 28	1 45	1 19	2 3	7 4	0 53	5 25	0 10	14 52	0 46	18 29	2 4	20 14	0 7	20 8	1 32	11 19	10 40	22 59	23 7	16 20	14 27	6 26	S 25
M26	10 37	22 50	0 32	1 51	2 12	7 34	0 58	5 41	0 9	14 48	0 46	18 30	2 5	20 14	0 7	20 8	1 32	11 19	10 40	22 59	23 7	16 19	14 26	6 26	M26
T 27	10 16	22 44	0n45	2 23	2 21	8 4	1 2	5 56	0 8	14 44	0 46	18 30	2 5	20 14	0 7	20 8	1 32	11 19	10 40	22 59	23 7	16 17	14 24	6 26	T 27
W28	9 55	21 5	2 1	2 53	2 31	8 33	1 7	6 12	0 7	14 40	0 46	18 30	2 5	20 14	0 7	20 9	1 32	11 18	10 40	22 59	23 7	16 15	14 23	6 27	W28
T 29	9 34	17 54	3 10	3 22	2 40	9 3	1 12	6 28	0 7	14 35	0 47	18 30	2 5	20 14	0 7	20 9	1 32	11 18	10 40	22 59	23 8	16 13	14 21	6 27	T 29
F 30	9 13	13 29	4 7	3 49	2 49	9 32	1 17	6 44	0 6	14 31	0 47	18 30	2 5	20 15	0 7	20 9	1 32	11 18	10 41	23 0	23 8	16 12	14 20	6 28	F 30
S 31	8n51	8n13	4n45	4s15	2s58	10s 1	1s22	7s 0	0n 5	14n27	0n47	18n31	2s 5	20s15	0n 7	20s 9	1n32	11n18	10s41	23n 1	23n 8	16s10	14n18	6s28	S 31

Julian Day Number = 2322826.5, Delta T = 45.00 sec
Ecliptic obliquity = 23°29'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'17, Lahiri = 18°56'17Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

SEPTEMBER 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 39 52	8♍15'43	5♎22	4♎34	23♎31	18♎39	23♌42	1♊48	0♐49	7♐52	9♊ 8	11°R 4	9♋33	26♒52	27♋53	S 1
M 2	22 43 48	9°13'58	20° 4	5°12	24°36	19°19	23°55	1°50	0°50	7°52	9° 8	10♋56	9°30	26°59	27°59	M 2
T 3	22 47 45	10°12'15	4♏19	5°45	25°40	19°59	24° 8	1°51	0°51	7°52	9° 8	10°49	9°27	27° 5	28° 5	T 3
W 4	22 51 42	11°10'33	18° 5	6°15	26°44	20°38	24°21	1°52	0°52	7°53	9° 8	10°45	9°24	27°12	28°10	W 4
T 5	22 55 38	12° 8'53	1♐22	6°39	27°48	21°18	24°34	1°53	0°54	7°53	9° 8	10°43	9°20	27°19	28°16	T 5
F 6	22 59 35	13° 7'14	14°12	6°59	28°52	21°58	24°46	1°54	0°55	7°54	9° 8	10°D42	9°17	27°25	28°22	F 6
S 7	23 3 31	14° 5'37	26°41	7°13	29°56	22°38	24°59	1°55	0°57	7°55	9° 8	10°42	9°14	27°32	28°28	S 7
S 8	23 7 28	15° 4'02	8♑53	7°22	0♏59	23°18	25°12	1°55	0°58	7°55	9° 8	10°R43	9°11	27°39	28°34	S 8
M 9	23 11 24	16° 2'28	20°53	7°R24	2° 2	23°58	25°24	1°56	1° 0	7°56	9°R 8	10°42	9° 8	27°45	28°39	M 9
T 10	23 15 21	17° 0'56	2♒46	7°20	3° 5	24°38	25°37	1°57	1° 1	7°56	9° 8	10°40	9° 5	27°52	28°45	T 10
W11	23 19 17	17°59'25	14°35	7°10	4° 8	25°18	25°50	1°57	1° 3	7°57	9° 8	10°35	9° 1	27°59	28°50	W11
T 12	23 23 14	18°57'57	26°24	6°53	5°10	25°59	26° 2	1°57	1° 4	7°58	9° 8	10°28	8°58	28° 6	28°56	T 12
F 13	23 27 11	19°56'30	8♓16	6°29	6°12	26°39	26°15	1°57	1° 6	7°59	9° 8	10°17	8°55	28°12	29° 1	F 13
S 14	23 31 7	20°55'04	20°13	5°58	7°14	27°19	26°27	1°R57	1° 8	7°59	9° 8	10° 5	8°52	28°19	29° 6	S 14
S 15	23 35 4	21°53'41	2♈15	5°20	8°15	28° 0	26°40	1°57	1°10	8° 0	9° 8	9°52	8°49	28°26	29°12	S 15
M16	23 39 0	22°52'20	14°25	4°35	9°16	28°40	26°52	1°57	1°12	8° 1	9° 8	9°39	8°46	28°32	29°17	M16
T 17	23 42 57	23°51'01	26°43	3°44	10°17	29°21	27° 4	1°57	1°13	8° 2	9° 8	9°28	8°42	28°39	29°22	T 17
W18	23 46 53	24°49'44	9♉10	2°48	11°18	0♏ 2	27°17	1°57	1°15	8° 3	9° 8	9°18	8°39	28°46	29°27	W18
T 19	23 50 50	25°48'29	21°48	1°47	12°18	0°42	27°29	1°56	1°17	8° 4	9° 7	9°11	8°36	28°52	29°32	T 19
F 20	23 54 46	26°47'17	4♊40	0°43	13°18	1°23	27°41	1°56	1°19	8° 5	9° 7	9° 7	8°33	28°59	29°37	F 20
S 21	23 58 43	27°46'06	17°47	29♍37	14°17	2° 4	27°53	1°55	1°21	8° 6	9° 7	9° 5	8°30	29° 6	29°42	S 21
S 22	0 2 39	28°44'59	1♋13	28°30	15°16	2°45	28° 6	1°54	1°24	8° 7	9° 7	9° 5	8°26	29°12	29°47	S 22
M23	0 6 36	29°43'53	15° 0	27°25	16°15	3°26	28°18	1°53	1°26	8° 8	9° 6	9° 5	8°23	29°19	29°52	M23
T 24	0 10 33	0♎42'50	29° 9	26°23	17°13	4° 7	28°30	1°52	1°28	8° 9	9° 6	9° 4	8°20	29°26	29°56	T 24
W25	0 14 29	1°41'49	13♌40	25°25	18°11	4°48	28°42	1°51	1°30	8°10	9° 6	9° 1	8°17	29°32	0♌ 1	W25
T 26	0 18 26	2°40'50	28°30	24°33	19° 9	5°30	28°54	1°50	1°33	8°11	9° 5	8°55	8°14	29°39	0° 6	T 26
F 27	0 22 22	3°39'54	13♍32	23°49	20° 6	6°11	29° 5	1°48	1°35	8°12	9° 5	8°46	8°11	29°46	0°10	F 27
S 28	0 26 19	4°38'59	28°37	23°14	21° 3	6°52	29°17	1°47	1°37	8°14	9° 5	8°36	8° 7	29°53	0°15	S 28
S 29	0 30 15	5°38'07	13♎35	22°49	21°59	7°34	29°29	1°45	1°40	8°15	9° 4	8°24	8° 4	29°59	0°19	S 29
M30	0 34 12	6♎37'17	28♎17	22♍34	22♏55	8♏15	29♌41	1♊44	1♐42	8♐16	9♊ 4	8♋13	8♋ 1	0♓ 6	0♌23	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n29	2n31	5n 4	4s40	3s 6	10s30	1s27	7s15	0n 5	14n23	0n47	18n31	2s 6	20s15	0n 7	20s 9	1n32	11n18	10s41	23n 1	23n 8	16s 8	14n17	6s28
M 2	8 7	3s12	5 1	5 2	3 14	10 59	1 32	7 31	0 4	14 19	0 47	18 31	2 6	20 15	0 7	20 9	1 32	11 18	10 41	23 2	23 9	16 6	14 15	6 29
T 3	7 45	8 35	4 40	5 23	3 22	11 27	1 37	7 47	0 3	14 14	0 47	18 31	2 6	20 16	0 7	20 9	1 32	11 17	10 41	23 3	23 9	16 5	14 14	6 29
W 4	7 23	13 21	4 3	5 41	3 29	11 55	1 42	8 2	0 2	14 10	0 47	18 31	2 6	20 16	0 7	20 9	1 32	11 17	10 42	23 3	23 9	16 3	14 12	6 30
T 5	7 1	17 18	3 14	5 57	3 36	12 23	1 48	8 18	0 2	14 6	0 47	18 31	2 6	20 16	0 7	20 10	1 32	11 17	10 42	23 3	23 9	16 1	14 11	6 30
F 6	6 39	20 17	2 17	6 11	3 43	12 51	1 53	8 33	0 1	14 2	0 47	18 31	2 6	20 16	0 7	20 10	1 32	11 17	10 42	23 3	23 10	15 59	14 9	6 30
S 7	6 16	22 12	1 14	6 22	3 48	13 18	1 58	8 49	0 0	13 58	0 47	18 31	2 7	20 17	0 7	20 10	1 32	11 17	10 42	23 3	23 10	15 58	14 7	6 31
S 8	5 54	23 1	0 10	6 30	3 53	13 46	2 3	9 4	0s 0	13 54	0 48	18 31	2 7	20 17	0 7	20 10	1 31	11 17	10 42	23 3	23 10	15 56	14 6	6 31
M 9	5 31	22 45	0s54	6 35	3 57	14 13	2 8	9 20	0 1	13 49	0 48	18 31	2 7	20 17	0 7	20 10	1 31	11 16	10 42	23 3	23 10	15 54	14 4	6 32
T 10	5 8	21 26	1 55	6 36	4 1	14 39	2 13	9 35	0 2	13 45	0 48	18 31	2 7	20 18	0 7	20 10	1 31	11 16	10 43	23 3	23 10	15 52	14 3	6 32
W11	4 45	19 12	2 50	6 34	4 3	15 6	2 19	9 51	0 2	13 41	0 48	18 31	2 7	20 18	0 7	20 10	1 31	11 16	10 43	23 4	23 11	15 50	14 1	6 33
T 12	4 22	16 9	3 38	6 28	4 3	15 32	2 24	10 6	0 3	13 37	0 48	18 31	2 7	20 18	0 6	20 11	1 31	11 16	10 43	23 4	23 11	15 49	14 0	6 33
F 13	3 59	12 26	4 16	6 18	4 3	15 57	2 29	10 21	0 4	13 33	0 48	18 30	2 8	20 19	0 6	20 11	1 31	11 16	10 43	23 5	23 11	15 47	13 58	6 34
S 14	3 36	8 13	4 43	6 3	4 1	16 23	2 34	10 37	0 5	13 29	0 48	18 30	2 8	20 19	0 6	20 11	1 31	11 15	10 43	23 6	23 11	15 45	13 57	6 34
S 15	3 13	3 40	4 58	5 45	3 57	16 48	2 39	10 52	0 5	13 24	0 48	18 30	2 8	20 20	0 6	20 11	1 31	11 15	10 44	23 7	23 11	15 43	13 55	6 35
M16	2 50	1n 5	5 0	5 22	3 51	17 12	2 44	11 7	0 6	13 20	0 48	18 30	2 8	20 20	0 6	20 11	1 31	11 15	10 44	23 8	23 12	15 41	13 54	6 35
T 17	2 27	5 51	4 48	4 55	3 44	17 37	2 50	11 22	0 7	13 16	0 49	18 30	2 8	20 20	0 6	20 12	1 31	11 15	10 44	23 9	23 12	15 40	13 52	6 36
W18	2 3	10 26	4 22	4 24	3 35	18 1	2 55	11 37	0 7	13 12	0 49	18 29	2 8	20 21	0 6	20 12	1 31	11 15	10 44	23 9	23 12	15 38	13 51	6 36
T 19	1 40	14 40	3 42	3 49	3 23	18 24	3 0	11 52	0 8	13 8	0 49	18 29	2 9	20 21	0 6	20 12	1 31	11 14	10 44	23 10	23 12	15 36	13 49	6 37
F 20	1 17	18 18	2 51	3 12	3 10	18 48	3 5	12 7	0 9	13 4	0 49	18 29	2 9	20 22	0 6	20 12	1 31	11 14	10 45	23 10	23 13	15 34	13 48	6 37
S 21	0 53	21 6	1 50	2 32	2 55	19 11	3 10	12 22	0 9	13 0	0 49	18 29	2 9	20 22	0 6	20 12	1 31	11 14	10 45	23 10	23 13	15 32	13 46	6 38
S 22	0 30	22 47	0 42	1 50	2 39	19 33	3 15	12 36	0 10	12 56	0 49	18 28	2 9	20 23	0 6	20 13	1 31	11 14	10 45	23 10	23 13	15 30	13 44	6 38
M23	0 6	23 9	0n31	1 7	2 21	19 55	3 20	12 51	0 11	12 52	0 49	18 28	2 9	20 23	0 6	20 13	1 31	11 14	10 45	23 10	23 13	15 28	13 43	6 39
T 24	0s17	22 4	1 44	0 25	2 2	20 17	3 25	13 6	0 11	12 48	0 49	18 28	2 9	20 23	0 6	20 13	1 31	11 13	10 45	23 10	23 13	15 27	13 41	6 39
W25	0 41	19 30	2 52	0n16	1 42	20 38	3 30	13 20	0 12	12 44	0 50	18 27	2 10	20 24	0 6	20 13	1 31	11 13	10 45	23 11	23 14	15 25	13 40	6 40
T 26	1 4	15 36	3 49	0 55	1 22	20 59	3 34	13 34	0 12	12 39	0 50	18 27	2 10	20 24	0 6	20 13	1 31	11 13	10 46	23 11	23 14	15 23	13 39	6 40
F 27	1 28	10 40	4 32	1 31	1 1	21 19	3 39	13 49	0 13	12 35	0 50	18 26	2 10	20 25	0 6	20 14	1 30	11 13	10 46	23 12	23 14	15 21	13 37	6 41
S 28	1 51	5 4	4 56	2 4	0 41	21 39	3 44	14 3	0 14	12 31	0 50	18 26	2 10	20 25	0 6	20 14	1 30	11 12	10 46	23 12	23 14	15 19	13 36	6 42
S 29	2 15	0s47	4 59	2 32	0 22	21 59	3 49	14 17	0 14	12 27	0 50	18 26	2 10	20 26	0 6	20 14	1 30	11 12	10 46	23 13	23 14	15 17	13 34	6 42
M30	2s38	6s29	4n42	2n55	0s 3	22s18	3s53	14s31	0s15	12n23	0n50	18n25	2s10	20s26	0n 6	20s14	1n30	11n12	10s46	23n14	23n15	15s15	13n33	6s43

Julian Day Number = 2322857.5, Delta T = 44.94 sec
Ecliptic obliquity = 23°29'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'21, Lahiri = 18°56'21Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1647
geocentric

OCTOBER 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 38 8	7♎36'29	12♏36	22°D29	23♏50	8♏57	29♌52	1°R42	1♐45	8♐18	9°R 3	8°R 3	7♋58	0♓13	0♌27	T 1
W 2	0 42 5	8°35'42	26°26	22♍35	24°44	9°39	0♍ 4	1♊40	1°47	8°19	9♊ 3	7♋56	7°55	0°19	0°31	W 2
T 3	0 46 2	9°34'58	9♐48	22°52	25°39	10°20	0°15	1°38	1°50	8°20	9° 2	7°52	7°52	0°26	0°35	T 3
F 4	0 49 58	10°34'15	22°42	23°18	26°32	11° 2	0°27	1°36	1°52	8°22	9° 2	7°50	7°48	0°33	0°39	F 4
S 5	0 53 55	11°33'34	5♑13	23°55	27°25	11°44	0°38	1°34	1°55	8°23	9° 1	7°49	7°45	0°39	0°43	S 5
S 6	0 57 51	12°32'55	17°26	24°40	28°17	12°26	0°49	1°32	1°58	8°24	9° 1	7°49	7°42	0°46	0°47	S 6
M 7	1 1 48	13°32'18	29°26	25°33	29° 9	13° 8	1° 1	1°29	2° 0	8°26	9° 0	7°48	7°39	0°53	0°51	M 7
T 8	1 5 44	14°31'42	11♒18	26°33	0♐ 0	13°50	1°12	1°27	2° 3	8°27	9° 0	7°46	7°36	1° 0	0°54	T 8
W 9	1 9 41	15°31'08	23° 7	27°40	0°50	14°32	1°23	1°24	2° 6	8°29	8°59	7°41	7°32	1° 6	0°58	W 9
T 10	1 13 37	16°30'36	4♓57	28°53	1°40	15°14	1°34	1°21	2° 9	8°30	8°58	7°33	7°29	1°13	1° 1	T 10
F 11	1 17 34	17°30'06	16°53	0♎11	2°29	15°57	1°45	1°19	2°11	8°32	8°58	7°23	7°26	1°20	1° 5	F 11
S 12	1 21 31	18°29'38	28°56	1°34	3°17	16°39	1°55	1°16	2°14	8°34	8°57	7°10	7°23	1°26	1° 8	S 12
S 13	1 25 27	19°29'11	11♈ 9	3° 0	4° 4	17°21	2° 6	1°13	2°17	8°35	8°56	6°56	7°20	1°33	1°11	S 13
M14	1 29 24	20°28'47	23°32	4°29	4°50	18° 4	2°17	1°10	2°20	8°37	8°56	6°43	7°17	1°40	1°14	M14
T 15	1 33 20	21°28'25	6♉ 5	6° 1	5°36	18°46	2°27	1° 7	2°23	8°38	8°55	6°31	7°13	1°46	1°17	T 15
W16	1 37 17	22°28'04	18°48	7°35	6°20	19°29	2°38	1° 4	2°26	8°40	8°54	6°20	7°10	1°53	1°20	W16
T 17	1 41 13	23°27'46	1♊42	9°11	7° 4	20°12	2°48	1° 0	2°29	8°42	8°53	6°13	7° 7	2° 0	1°23	T 17
F 18	1 45 10	24°27'31	14°48	10°48	7°47	20°54	2°59	0°57	2°32	8°44	8°53	6° 9	7° 4	2° 6	1°26	F 18
S 19	1 49 6	25°27'17	28° 5	12°26	8°28	21°37	3° 9	0°53	2°35	8°45	8°52	6° 7	7° 1	2°13	1°29	S 19
S 20	1 53 3	26°27'06	11♋35	14° 5	9° 9	22°20	3°19	0°50	2°39	8°47	8°51	6°D 7	6°57	2°20	1°31	S 20
M21	1 57 0	27°26'57	25°19	15°45	9°48	23° 3	3°29	0°46	2°42	8°49	8°50	6°R 7	6°54	2°27	1°34	M21
T 22	2 0 56	28°26'50	9♌19	17°25	10°26	23°46	3°39	0°43	2°45	8°51	8°49	6° 7	6°51	2°33	1°36	T 22
W23	2 4 53	29°26'45	23°34	19° 5	11° 3	24°29	3°49	0°39	2°48	8°53	8°49	6° 5	6°48	2°40	1°38	W23
T 24	2 8 49	0♏26'43	8♍ 3	20°45	11°39	25°12	3°59	0°35	2°51	8°54	8°48	6° 0	6°45	2°47	1°40	T 24
F 25	2 12 46	1°26'43	22°41	22°25	12°14	25°55	4° 8	0°31	2°55	8°56	8°47	5°53	6°42	2°53	1°43	F 25
S 26	2 16 42	2°26'44	7♎23	24° 6	12°47	26°38	4°18	0°27	2°58	8°58	8°46	5°43	6°38	3° 0	1°44	S 26
S 27	2 20 39	3°26'48	22° 1	25°46	13°18	27°22	4°27	0°23	3° 1	9° 0	8°45	5°33	6°35	3° 7	1°46	S 27
M28	2 24 35	4°26'54	6♏27	27°25	13°49	28° 5	4°36	0°19	3° 5	9° 2	8°44	5°23	6°32	3°13	1°48	M28
T 29	2 28 32	5°27'02	20°36	29° 5	14°17	28°49	4°46	0°15	3° 8	9° 4	8°43	5°15	6°29	3°20	1°50	T 29
W30	2 32 28	6°27'11	4♐21	0♏44	14°44	29°32	4°55	0°10	3°11	9° 6	8°42	5° 8	6°26	3°27	1°51	W30
T 31	2 36 25	7♏27'22	17♐42	2♏23	15♐10	0♐16	5♍ 4	0♊ 6	3♐15	9♐ 8	8♊41	5♋ 4	6♋23	3♓34	1♌53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s 1	11s42	4n 8	3n13	0n15	22s36	3s58	14s45	0s16	12n20	0n50	18n25	2s11	20s27	0n 6	20s15	1n30	11n12	10s46	23n14	23n15	15s14	13n31	6s43
W 2	3 25	16 9	3 20	3 25	0 31	22 54	4 2	14 59	0 16	12 16	0 51	18 24	2 11	20 27	0 6	20 15	1 30	11 11	10 47	23 15	23 15	15 12	13 30	6 44
T 3	3 48	19 37	2 22	3 33	0 46	23 12	4 7	15 13	0 17	12 12	0 51	18 24	2 11	20 28	0 6	20 15	1 30	11 11	10 47	23 15	23 15	15 10	13 28	6 45
F 4	4 12	21 58	1 19	3 35	1 0	23 29	4 11	15 27	0 18	12 8	0 51	18 23	2 11	20 28	0 6	20 15	1 30	11 11	10 47	23 15	23 15	15 8	13 27	6 45
S 5	4 35	23 9	0 14	3 32	1 12	23 45	4 15	15 40	0 18	12 4	0 51	18 22	2 11	20 29	0 6	20 16	1 30	11 11	10 47	23 15	23 15	15 6	13 25	6 46
S 6	4 58	23 11	0s51	3 24	1 23	24 2	4 19	15 54	0 19	12 0	0 51	18 22	2 11	20 30	0 6	20 16	1 30	11 11	10 47	23 15	23 16	15 4	13 24	6 47
M 7	5 21	22 8	1 52	3 11	1 32	24 17	4 23	16 7	0 19	11 56	0 51	18 21	2 11	20 30	0 6	20 16	1 30	11 10	10 47	23 15	23 16	15 2	13 23	6 47
T 8	5 44	20 6	2 47	2 54	1 40	24 32	4 27	16 20	0 20	11 52	0 52	18 21	2 11	20 31	0 6	20 17	1 30	11 10	10 48	23 15	23 16	15 0	13 21	6 48
W 9	6 7	17 13	3 35	2 34	1 47	24 47	4 31	16 34	0 21	11 49	0 52	18 20	2 12	20 31	0 6	20 17	1 30	11 10	10 48	23 16	23 16	14 58	13 20	6 48
T 10	6 30	13 39	4 14	2 9	1 52	25 1	4 35	16 47	0 21	11 45	0 52	18 19	2 12	20 32	0 6	20 17	1 30	11 10	10 48	23 16	23 16	14 56	13 19	6 49
F 11	6 53	9 30	4 42	1 42	1 56	25 14	4 38	17 0	0 22	11 41	0 52	18 19	2 12	20 32	0 6	20 17	1 30	11 9	10 48	23 17	23 17	14 54	13 17	6 50
S 12	7 16	4 58	4 57	1 12	1 59	25 27	4 42	17 12	0 23	11 37	0 52	18 18	2 12	20 33	0 6	20 18	1 30	11 9	10 48	23 17	23 17	14 52	13 16	6 50
S 13	7 38	0 10	4 59	0 39	2 1	25 40	4 45	17 25	0 23	11 34	0 52	18 17	2 12	20 34	0 6	20 18	1 30	11 9	10 48	23 18	23 17	14 51	13 15	6 51
M14	8 1	4n42	4 48	0 4	2 1	25 52	4 48	17 37	0 24	11 30	0 53	18 17	2 12	20 34	0 6	20 18	1 30	11 9	10 48	23 19	23 17	14 49	13 13	6 52
T 15	8 23	9 27	4 22	0s32	2 1	26 3	4 51	17 50	0 24	11 26	0 53	18 16	2 12	20 35	0 6	20 19	1 30	11 8	10 49	23 19	23 17	14 47	13 12	6 52
W16	8 46	13 53	3 43	1 10	2 1	26 14	4 54	18 2	0 25	11 23	0 53	18 15	2 12	20 35	0 6	20 19	1 30	11 8	10 49	23 20	23 17	14 45	13 11	6 53
T 17	9 8	17 44	2 52	1 49	1 59	26 24	4 57	18 14	0 26	11 19	0 53	18 14	2 12	20 36	0 6	20 19	1 30	11 8	10 49	23 20	23 18	14 43	13 9	6 54
F 18	9 30	20 47	1 51	2 30	1 57	26 34	4 59	18 26	0 26	11 16	0 53	18 14	2 13	20 37	0 6	20 20	1 29	11 8	10 49	23 21	23 18	14 41	13 8	6 54
S 19	9 52	22 46	0 43	3 10	1 54	26 43	5 1	18 38	0 27	11 12	0 53	18 13	2 13	20 37	0 6	20 20	1 29	11 7	10 49	23 21	23 18	14 39	13 7	6 55
S 20	10 13	23 28	0n29	3 52	1 51	26 52	5 4	18 50	0 27	11 8	0 54	18 12	2 13	20 38	0 6	20 20	1 29	11 7	10 49	23 21	23 18	14 37	13 6	6 56
M21	10 35	22 45	1 40	4 34	1 47	27 0	5 5	19 1	0 28	11 5	0 54	18 11	2 13	20 38	0 6	20 20	1 29	11 7	10 49	23 21	23 18	14 35	13 5	6 57
T 22	10 57	20 38	2 47	5 16	1 42	27 7	5 7	19 13	0 28	11 2	0 54	18 10	2 13	20 39	0 6	20 21	1 29	11 7	10 49	23 21	23 18	14 33	13 3	6 57
W23	11 18	17 13	3 44	5 59	1 38	27 14	5 9	19 24	0 29	10 58	0 54	18 9	2 13	20 40	0 6	20 21	1 29	11 7	10 50	23 21	23 19	14 31	13 2	6 58
T 24	11 39	12 43	4 28	6 41	1 33	27 20	5 10	19 35	0 30	10 55	0 54	18 9	2 13	20 40	0 6	20 21	1 29	11 6	10 50	23 21	23 19	14 29	13 1	6 59
F 25	12 0	7 26	4 55	7 23	1 27	27 26	5 11	19 46	0 30	10 51	0 55	18 8	2 13	20 41	0 6	20 22	1 29	11 6	10 50	23 21	23 19	14 27	13 0	6 59
S 26	12 21	1 42	5 3	8 6	1 22	27 31	5 12	19 56	0 31	10 48	0 55	18 7	2 13	20 42	0 6	20 22	1 29	11 6	10 50	23 22	23 19	14 25	12 59	7 0
S 27	12 41	4s 5	4 51	8 47	1 16	27 36	5 12	20 7	0 31	10 45	0 55	18 6	2 13	20 42	0 6	20 22	1 29	11 6	10 50	23 22	23 19	14 23	12 58	7 1
M28	13 2	9 36	4 20	9 29	1 10	27 40	5 12	20 17	0 32	10 42	0 55	18 5	2 13	20 43	0 6	20 23	1 29	11 5	10 50	23 22	23 19	14 21	12 57	7 1
T 29	13 22	14 29	3 34	10 10	1 4	27 43	5 12	20 28	0 32	10 38	0 55	18 4	2 13	20 44	0 6	20 23	1 29	11 5	10 50	23 23	23 20	14 19	12 55	7 2
W30	13 42	18 30	2 36	10 51	0 58	27 46	5 12	20 38	0 33	10 35	0 56	18 3	2 13	20 44	0 6	20 23	1 29	11 5	10 50	23 23	23 20	14 17	12 54	7 3
T 31	14s 2	21s24	1n32	11s31	0n51	27s48	5s11	20s47	0s34	10n32	0n56	18n 2	2s13	20s45	0n 6	20s24	1n29	11n 5	10s50	23n23	23n20	14s15	12n53	7s 4

Julian Day Number = 2322887.5, Delta T = 44.89 sec
Ecliptic obliquity = 23°29'06, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'25, Lahiri = 18°56'26Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

NOVEMBER 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 40 22	8♏27'35	0♉38	4♏ 1	15♐34	0♐59	5♍13	0°R 2	3♐18	9♐10	8°R40	5°D 3	6♋19	3♓40	1♌54	F 1
S 2	2 44 18	9°27'50	13°12	5°40	15°55	1°43	5°21	29♉57	3°22	9°12	8♊39	5♋ 3	6°16	3°47	1°56	S 2
S 3	2 48 15	10°28'06	25°27	7°17	16°15	2°27	5°30	29°53	3°25	9°14	8°38	5° 4	6°13	3°54	1°57	S 3
M 4	2 52 11	11°28'23	7♒29	8°55	16°34	3°11	5°38	29°48	3°28	9°16	8°37	5°R 5	6°10	4° 0	1°58	M 4
T 5	2 56 8	12°28'42	19°22	10°32	16°50	3°54	5°47	29°44	3°32	9°18	8°36	5° 5	6° 7	4° 7	1°59	T 5
W 6	3 0 4	13°29'02	1♓13	12° 9	17° 4	4°38	5°55	29°39	3°35	9°20	8°35	5° 3	6° 3	4°14	2° 0	W 6
T 7	3 4 1	14°29'24	13° 5	13°45	17°16	5°22	6° 3	29°35	3°39	9°22	8°34	4°59	6° 0	4°20	2° 1	T 7
F 8	3 7 57	15°29'47	25° 4	15°21	17°25	6° 6	6°11	29°30	3°43	9°24	8°33	4°52	5°57	4°27	2° 1	F 8
S 9	3 11 54	16°30'12	7♈13	16°57	17°33	6°50	6°19	29°25	3°46	9°26	8°32	4°45	5°54	4°34	2° 2	S 9
S 10	3 15 51	17°30'38	19°34	18°32	17°38	7°35	6°27	29°21	3°50	9°29	8°31	4°36	5°51	4°41	2° 2	S 10
M11	3 19 47	18°31'05	2♉ 9	20° 8	17°41	8°19	6°34	29°16	3°53	9°31	8°30	4°27	5°48	4°47	2° 3	M11
T 12	3 23 44	19°31'34	14°58	21°42	17°R41	9° 3	6°42	29°11	3°57	9°33	8°29	4°19	5°44	4°54	2° 3	T 12
W13	3 27 40	20°32'05	28° 2	23°17	17°40	9°47	6°49	29° 6	4° 0	9°35	8°28	4°12	5°41	5° 1	2° 3	W13
T 14	3 31 37	21°32'37	11♊19	24°52	17°35	10°32	6°57	29° 1	4° 4	9°37	8°27	4° 8	5°38	5° 7	2°R 3	T 14
F 15	3 35 33	22°33'11	24°47	26°26	17°28	11°16	7° 4	28°56	4° 8	9°39	8°26	4° 6	5°35	5°14	2° 3	F 15
S 16	3 39 30	23°33'47	8♋26	28° 0	17°19	12° 1	7°11	28°52	4°11	9°42	8°25	4°D 5	5°32	5°21	2° 3	S 16
S 17	3 43 27	24°34'24	22°14	29°34	17° 7	12°45	7°17	28°47	4°15	9°44	8°24	4° 6	5°29	5°27	2° 3	S 17
M18	3 47 23	25°35'03	6♌ 9	1♑ 7	16°53	13°30	7°24	28°42	4°19	9°46	8°23	4° 8	5°25	5°34	2° 2	M18
T 19	3 51 20	26°35'44	20°11	2°41	16°36	14°15	7°30	28°37	4°22	9°48	8°21	4°R 9	5°22	5°41	2° 2	T 19
W20	3 55 16	27°36'26	4♍20	4°14	16°18	14°59	7°37	28°32	4°26	9°50	8°20	4° 9	5°19	5°48	2° 1	W20
T 21	3 59 13	28°37'10	18°33	5°47	15°56	15°44	7°43	28°27	4°30	9°53	8°19	4° 7	5°16	5°54	2° 1	T 21
F 22	4 3 9	29°37'55	2♎48	7°20	15°33	16°29	7°49	28°22	4°33	9°55	8°18	4° 4	5°13	6° 1	2° 0	F 22
S 23	4 7 6	0♑38'42	17° 2	8°53	15° 8	17°14	7°55	28°17	4°37	9°57	8°17	3°59	5° 9	6° 8	1°59	S 23
S 24	4 11 2	1°39'31	1♏11	10°26	14°40	17°59	8° 1	28°12	4°41	9°59	8°16	3°54	5° 6	6°14	1°58	S 24
M25	4 14 59	2°40'21	15°10	11°59	14°11	18°44	8° 6	28° 7	4°44	10° 2	8°15	3°49	5° 3	6°21	1°57	M25
T 26	4 18 55	3°41'12	28°56	13°32	13°40	19°29	8°12	28° 2	4°48	10° 4	8°13	3°45	5° 0	6°28	1°56	T 26
W27	4 22 52	4°42'05	12♑24	15° 4	13° 8	20°14	8°17	27°58	4°52	10° 6	8°12	3°42	4°57	6°35	1°55	W27
T 28	4 26 49	5°42'58	25°34	16°37	12°34	20°59	8°22	27°53	4°55	10° 8	8°11	3°40	4°54	6°41	1°53	T 28
F 29	4 30 45	6°43'53	8♉24	18° 9	12° 0	21°45	8°27	27°48	4°59	10°11	8°10	3°D40	4°50	6°48	1°52	F 29
S 30	4 34 42	7♑44'49	20♉56	19♑41	11♑24	22♑30	8♍32	27♉43	5♑ 3	10♑13	8♊ 9	3♋41	4♋47	6♓55	1♌50	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s21	23s 5	0n24	12s11	0n45	27s50	5s10	20s57	0s34	10n29	0n56	18n 1	2s13	20s46	0n 6	20s24	1n29	11n 4	10s50	23n23	23n20	14s13	12n52	7s 4
S 2	14 40	23 33	0s44	12 50	0 38	27 51	5 8	21 7	0 35	10 26	0 56	18 0	2 13	20 46	0 6	20 24	1 29	11 4	10 51	23 23	23 20	14 11	12 51	7 5
S 3	14 59	22 51	1 47	13 28	0 32	27 51	5 7	21 16	0 35	10 23	0 56	17 59	2 14	20 47	0 6	20 25	1 29	11 4	10 51	23 23	23 20	14 9	12 50	7 6
M 4	15 18	21 6	2 45	14 6	0 25	27 51	5 4	21 25	0 36	10 20	0 57	17 58	2 14	20 48	0 6	20 25	1 29	11 4	10 51	23 23	23 20	14 7	12 50	7 7
T 5	15 37	18 26	3 35	14 43	0 18	27 50	5 2	21 34	0 36	10 17	0 57	17 57	2 14	20 48	0 6	20 25	1 29	11 4	10 51	23 23	23 21	14 5	12 49	7 7
W 6	15 55	15 2	4 16	15 20	0 11	27 49	4 59	21 43	0 37	10 14	0 57	17 56	2 14	20 49	0 6	20 26	1 29	11 3	10 51	23 23	23 21	14 3	12 48	7 8
T 7	16 13	11 3	4 45	15 55	0 5	27 46	4 55	21 51	0 37	10 12	0 57	17 55	2 14	20 50	0 6	20 26	1 29	11 3	10 51	23 23	23 21	14 1	12 47	7 9
F 8	16 31	6 35	5 3	16 30	0s 2	27 43	4 51	21 59	0 38	10 9	0 57	17 54	2 14	20 50	0 6	20 26	1 29	11 3	10 51	23 24	23 21	13 59	12 46	7 9
S 9	16 48	1 50	5 7	17 4	0 9	27 40	4 47	22 7	0 38	10 6	0 58	17 53	2 14	20 51	0 6	20 27	1 29	11 3	10 51	23 24	23 21	13 57	12 45	7 10
S 10	17 5	3n 5	4 57	17 37	0 15	27 35	4 42	22 15	0 39	10 3	0 58	17 52	2 14	20 52	0 6	20 27	1 29	11 3	10 51	23 24	23 21	13 55	12 44	7 11
M11	17 22	7 59	4 32	18 10	0 22	27 30	4 37	22 23	0 39	10 1	0 58	17 51	2 14	20 52	0 6	20 27	1 29	11 2	10 51	23 25	23 21	13 53	12 44	7 12
T 12	17 39	12 38	3 54	18 41	0 29	27 24	4 31	22 30	0 40	9 58	0 58	17 50	2 14	20 53	0 6	20 28	1 29	11 2	10 51	23 25	23 22	13 51	12 43	7 12
W13	17 55	16 48	3 2	19 12	0 35	27 18	4 24	22 38	0 40	9 56	0 59	17 49	2 13	20 54	0 6	20 28	1 29	11 2	10 51	23 25	23 22	13 48	12 42	7 13
T 14	18 11	20 12	2 0	19 41	0 41	27 10	4 17	22 45	0 41	9 53	0 59	17 48	2 13	20 54	0 6	20 28	1 29	11 2	10 51	23 25	23 22	13 46	12 41	7 14
F 15	18 27	22 33	0 50	20 10	0 48	27 2	4 9	22 51	0 41	9 51	0 59	17 47	2 13	20 55	0 6	20 29	1 29	11 2	10 51	23 25	23 22	13 44	12 41	7 14
S 16	18 42	23 37	0n24	20 37	0 54	26 53	4 1	22 58	0 42	9 49	0 59	17 46	2 13	20 56	0 6	20 29	1 29	11 1	10 51	23 25	23 22	13 42	12 40	7 15
S 17	18 57	23 15	1 37	21 4	1 0	26 43	3 52	23 4	0 42	9 46	0 59	17 45	2 13	20 56	0 6	20 29	1 29	11 1	10 51	23 25	23 22	13 40	12 39	7 16
M18	19 12	21 26	2 45	21 30	1 6	26 32	3 43	23 10	0 43	9 44	1 0	17 44	2 13	20 57	0 6	20 30	1 29	11 1	10 51	23 25	23 22	13 38	12 39	7 17
T 19	19 26	18 20	3 45	21 54	1 12	26 20	3 33	23 16	0 43	9 42	1 0	17 43	2 13	20 58	0 6	20 30	1 29	11 1	10 51	23 25	23 23	13 36	12 38	7 17
W20	19 40	14 8	4 30	22 18	1 17	26 8	3 22	23 22	0 44	9 40	1 0	17 42	2 13	20 59	0 6	20 30	1 29	11 1	10 51	23 25	23 23	13 34	12 38	7 18
T 21	19 53	9 8	5 0	22 40	1 23	25 54	3 11	23 27	0 44	9 38	1 0	17 41	2 13	20 59	0 6	20 31	1 29	11 1	10 51	23 25	23 23	13 32	12 37	7 19
F 22	20 7	3 39	5 11	23 1	1 28	25 40	2 59	23 32	0 45	9 35	1 1	17 40	2 13	21 0	0 6	20 31	1 29	11 0	10 51	23 25	23 23	13 30	12 37	7 19
S 23	20 19	2s 2	5 3	23 21	1 33	25 25	2 47	23 37	0 45	9 33	1 1	17 39	2 13	21 1	0 6	20 32	1 29	11 0	10 51	23 25	23 23	13 28	12 36	7 20
S 24	20 32	7 34	4 37	23 40	1 38	25 9	2 34	23 42	0 46	9 32	1 1	17 38	2 13	21 1	0 6	20 32	1 29	11 0	10 51	23 26	23 23	13 25	12 36	7 21
M25	20 44	12 41	3 54	23 58	1 43	24 53	2 21	23 46	0 46	9 30	1 1	17 37	2 13	21 2	0 6	20 32	1 28	11 0	10 51	23 26	23 23	13 23	12 35	7 21
T 26	20 56	17 3	2 59	24 14	1 47	24 35	2 7	23 50	0 47	9 28	1 2	17 36	2 13	21 3	0 6	20 33	1 28	11 0	10 51	23 26	23 23	13 21	12 35	7 22
W27	21 7	20 27	1 54	24 30	1 51	24 17	1 53	23 54	0 47	9 26	1 2	17 35	2 13	21 3	0 6	20 33	1 28	11 0	10 51	23 26	23 24	13 19	12 34	7 23
T 28	21 18	22 40	0 44	24 43	1 55	23 58	1 38	23 58	0 47	9 25	1 2	17 34	2 12	21 4	0 6	20 33	1 28	10 59	10 51	23 26	23 24	13 17	12 34	7 23
F 29	21 28	23 39	0s26	24 56	1 59	23 39	1 24	24 1	0 48	9 23	1 2	17 33	2 12	21 5	0 6	20 34	1 28	10 59	10 51	23 26	23 24	13 15	12 34	7 24
S 30	21s39	23s23	1s34	25s 7	2s 3	23s19	1s 8	24s 5	0s48	9n21	1n 3	17n32	2s12	21s 5	0n 6	20s34	1n28	10n59	10s51	23n26	23n24	13s13	12n33	7s25

Julian Day Number = 2322918.5, Delta T = 44.83 sec
Ecliptic obliquity = 23°29'05, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'29, Lahiri = 18°56'30Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1647
geocentric

DECEMBER 1647 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 38 38	8♐45'45	3♒12	21♐13	10°R48	23♐15	8♍36	27°R38	5♐ 6	10♐15	8°R 8	3♋42	4♋44	7♓ 1	1°R49	S 1
M 2	4 42 35	9°46'42	15°15	22°45	10♐12	24° 1	8°41	27♉33	5°10	10°17	8♊ 7	3°44	4°41	7° 8	1♌47	M 2
T 3	4 46 31	10°47'40	27°10	24°16	9°36	24°46	8°45	27°29	5°14	10°20	8° 5	3°46	4°38	7°15	1°45	T 3
W 4	4 50 28	11°48'39	9♓ 2	25°48	8°59	25°32	8°49	27°24	5°17	10°22	8° 4	3°R46	4°35	7°22	1°43	W 4
T 5	4 54 25	12°49'38	20°54	27°19	8°24	26°17	8°53	27°19	5°21	10°24	8° 3	3°46	4°31	7°28	1°41	T 5
F 6	4 58 21	13°50'38	2♈53	28°50	7°48	27° 3	8°57	27°15	5°25	10°26	8° 2	3°45	4°28	7°35	1°39	F 6
S 7	5 2 18	14°51'38	15° 3	0♉20	7°14	27°48	9° 0	27°10	5°28	10°29	8° 1	3°43	4°25	7°42	1°37	S 7
S 8	5 6 14	15°52'39	27°27	1°49	6°41	28°34	9° 4	27° 6	5°32	10°31	8° 0	3°40	4°22	7°48	1°34	S 8
M 9	5 10 11	16°53'40	10♉ 9	3°19	6° 9	29°20	9° 7	27° 1	5°36	10°33	7°59	3°37	4°19	7°55	1°32	M 9
T 10	5 14 7	17°54'43	23°10	4°47	5°39	0♉ 5	9°10	26°57	5°39	10°35	7°57	3°35	4°15	8° 2	1°29	T 10
W11	5 18 4	18°55'45	6♊30	6°14	5°10	0°51	9°13	26°52	5°43	10°38	7°56	3°33	4°12	8° 8	1°27	W11
T 12	5 22 0	19°56'49	20° 9	7°40	4°44	1°37	9°15	26°48	5°47	10°40	7°55	3°32	4° 9	8°15	1°24	T 12
F 13	5 25 57	20°57'53	4♋ 4	9° 5	4°19	2°23	9°18	26°44	5°50	10°42	7°54	3°D32	4° 6	8°22	1°21	F 13
S 14	5 29 54	21°58'58	18°11	10°28	3°57	3° 9	9°20	26°39	5°54	10°44	7°53	3°32	4° 3	8°29	1°19	S 14
S 15	5 33 50	23° 0'03	2♌27	11°50	3°37	3°55	9°22	26°35	5°57	10°47	7°52	3°33	4° 0	8°35	1°16	S 15
M16	5 37 47	24° 1'09	16°46	13° 9	3°19	4°41	9°24	26°31	6° 1	10°49	7°51	3°34	3°56	8°42	1°13	M16
T 17	5 41 43	25° 2'16	1♍ 6	14°26	3° 4	5°27	9°26	26°27	6° 4	10°51	7°50	3°34	3°53	8°49	1°10	T 17
W18	5 45 40	26° 3'23	15°23	15°39	2°51	6°13	9°27	26°23	6° 8	10°53	7°49	3°35	3°50	8°55	1° 6	W18
T 19	5 49 36	27° 4'32	29°33	16°49	2°41	6°59	9°28	26°19	6°11	10°55	7°47	3°R35	3°47	9° 2	1° 3	T 19
F 20	5 53 33	28° 5'40	13♎36	17°55	2°33	7°45	9°30	26°16	6°15	10°58	7°46	3°35	3°44	9° 9	1° 0	F 20
S 21	5 57 29	29° 6'50	27°29	18°56	2°28	8°32	9°31	26°12	6°18	11° 0	7°45	3°34	3°41	9°16	0°57	S 21
S 22	6 1 26	0♉ 8'00	11♏11	19°51	2°25	9°18	9°31	26° 8	6°22	11° 2	7°44	3°34	3°37	9°22	0°53	S 22
M23	6 5 23	1° 9'11	24°41	20°41	2°D24	10° 4	9°32	26° 5	6°25	11° 4	7°43	3°34	3°34	9°29	0°50	M23
T 24	6 9 19	2°10'22	7♐59	21°23	2°27	10°51	9°32	26° 1	6°29	11° 6	7°42	3°33	3°31	9°36	0°46	T 24
W25	6 13 16	3°11'33	21° 3	21°57	2°31	11°37	9°R32	25°58	6°32	11° 8	7°41	3°D33	3°28	9°42	0°42	W25
T 26	6 17 12	4°12'45	3♉54	22°22	2°38	12°24	9°32	25°54	6°36	11°11	7°40	3°R33	3°25	9°49	0°39	T 26
F 27	6 21 9	5°13'57	16°31	22°37	2°47	13°10	9°32	25°51	6°39	11°13	7°39	3°33	3°21	9°56	0°35	F 27
S 28	6 25 5	6°15'08	28°54	22°R41	2°58	13°57	9°32	25°48	6°42	11°15	7°38	3°33	3°18	10° 3	0°31	S 28
S 29	6 29 2	7°16'20	11♒ 6	22°34	3°12	14°43	9°31	25°45	6°46	11°17	7°37	3°33	3°15	10° 9	0°27	S 29
M30	6 32 58	8°17'31	23° 7	22°15	3°27	15°30	9°30	25°42	6°49	11°19	7°36	3°32	3°12	10°16	0°23	M30
T 31	6 36 55	9♉18'42	5♓ 2	21♉45	3♐45	16♉16	9♍29	25♉39	6♐52	11♐21	7♊35	3♋31	3♋ 9	10♓23	0♌19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s48	22s 0	2s35	25s17	2s 6	22s59	0s53	24s 7	0s49	9n20	1n 3	17n31	2s12	21s 6	0n 6	20s34	1n28	10n59	10s51	23n26	23n24	13s11	12n33	7s25
M 2	21 58	19 37	3 29	25 25	2 9	22 38	0 38	24 10	0 49	9 18	1 3	17 31	2 12	21 7	0 6	20 35	1 28	10 59	10 51	23 26	23 24	13 8	12 33	7 26
T 3	22 6	16 26	4 13	25 33	2 11	22 18	0 22	24 12	0 50	9 17	1 3	17 30	2 12	21 7	0 6	20 35	1 28	10 59	10 51	23 26	23 24	13 6	12 33	7 27
W 4	22 15	12 37	4 46	25 38	2 13	21 57	0 6	24 15	0 50	9 16	1 4	17 29	2 12	21 8	0 6	20 35	1 28	10 59	10 51	23 26	23 24	13 4	12 32	7 27
T 5	22 23	8 19	5 7	25 42	2 15	21 36	0n 9	24 16	0 50	9 15	1 4	17 28	2 12	21 9	0 6	20 36	1 28	10 59	10 51	23 26	23 24	13 2	12 32	7 28
F 6	22 30	3 40	5 15	25 45	2 16	21 15	0 25	24 18	0 51	9 13	1 4	17 27	2 11	21 9	0 5	20 36	1 28	10 58	10 51	23 26	23 25	13 0	12 32	7 29
S 7	22 37	1n11	5 9	25 46	2 17	20 54	0 40	24 19	0 51	9 12	1 5	17 26	2 11	21 10	0 5	20 36	1 28	10 58	10 51	23 26	23 25	12 58	12 32	7 29
S 8	22 44	6 6	4 49	25 46	2 18	20 34	0 55	24 20	0 52	9 11	1 5	17 25	2 11	21 11	0 5	20 36	1 28	10 58	10 51	23 26	23 25	12 56	12 32	7 30
M 9	22 50	10 52	4 14	25 44	2 17	20 14	1 10	24 21	0 52	9 10	1 5	17 24	2 11	21 11	0 5	20 37	1 28	10 58	10 51	23 26	23 25	12 53	12 32	7 30
T 10	22 56	15 17	3 25	25 41	2 17	19 54	1 24	24 21	0 52	9 10	1 5	17 23	2 11	21 12	0 5	20 37	1 28	10 58	10 51	23 26	23 25	12 51	12 32	7 31
W11	23 1	19 4	2 24	25 36	2 16	19 35	1 38	24 22	0 53	9 9	1 6	17 23	2 11	21 13	0 5	20 37	1 28	10 58	10 50	23 26	23 25	12 49	12 32	7 31
T 12	23 6	21 54	1 13	25 29	2 14	19 17	1 52	24 22	0 53	9 8	1 6	17 22	2 10	21 13	0 5	20 38	1 28	10 58	10 50	23 26	23 25	12 47	12 32	7 32
F 13	23 11	23 28	0n 3	25 21	2 11	19 0	2 5	24 21	0 54	9 7	1 6	17 21	2 10	21 14	0 5	20 38	1 28	10 58	10 50	23 26	23 25	12 45	12 32	7 33
S 14	23 14	23 34	1 20	25 12	2 8	18 43	2 18	24 21	0 54	9 7	1 6	17 20	2 10	21 15	0 5	20 38	1 28	10 58	10 50	23 26	23 25	12 42	12 32	7 33
S 15	23 18	22 8	2 33	25 1	2 4	18 28	2 30	24 20	0 54	9 6	1 7	17 19	2 10	21 15	0 5	20 39	1 28	10 58	10 50	23 26	23 25	12 40	12 32	7 34
M16	23 21	19 17	3 37	24 49	2 0	18 13	2 42	24 19	0 55	9 6	1 7	17 19	2 10	21 16	0 5	20 39	1 28	10 58	10 50	23 26	23 26	12 38	12 32	7 34
T 17	23 23	15 16	4 28	24 36	1 54	17 59	2 53	24 17	0 55	9 5	1 7	17 18	2 10	21 16	0 5	20 39	1 28	10 58	10 50	23 26	23 26	12 36	12 32	7 35
W18	23 26	10 24	5 1	24 21	1 48	17 46	3 3	24 16	0 55	9 5	1 8	17 17	2 9	21 17	0 5	20 40	1 28	10 57	10 50	23 26	23 26	12 34	12 32	7 35
T 19	23 27	5 1	5 16	24 5	1 40	17 34	3 13	24 14	0 56	9 5	1 8	17 16	2 9	21 18	0 5	20 40	1 28	10 57	10 50	23 26	23 26	12 31	12 33	7 36
F 20	23 28	0s35	5 12	23 48	1 32	17 24	3 23	24 11	0 56	9 5	1 8	17 16	2 9	21 18	0 5	20 40	1 28	10 57	10 50	23 26	23 26	12 29	12 33	7 36
S 21	23 29	6 5	4 50	23 31	1 23	17 14	3 32	24 9	0 56	9 4	1 8	17 15	2 9	21 19	0 5	20 40	1 28	10 57	10 49	23 26	23 26	12 27	12 33	7 37
S 22	23 29	11 14	4 11	23 12	1 12	17 5	3 40	24 6	0 57	9 4	1 9	17 14	2 9	21 19	0 5	20 41	1 28	10 57	10 49	23 26	23 26	12 25	12 33	7 37
M23	23 29	15 45	3 19	22 53	1 1	16 57	3 48	24 3	0 57	9 4	1 9	17 14	2 8	21 20	0 5	20 41	1 28	10 57	10 49	23 26	23 26	12 23	12 34	7 37
T 24	23 28	19 25	2 17	22 34	0 48	16 51	3 55	23 59	0 57	9 5	1 9	17 13	2 8	21 21	0 5	20 41	1 28	10 57	10 49	23 26	23 26	12 20	12 34	7 38
W25	23 27	22 2	1 9	22 15	0 34	16 45	4 2	23 56	0 58	9 5	1 9	17 13	2 8	21 21	0 5	20 42	1 29	10 57	10 49	23 26	23 26	12 18	12 34	7 38
T 26	23 25	23 28	0s 2	21 56	0 18	16 40	4 8	23 52	0 58	9 5	1 10	17 12	2 8	21 22	0 5	20 42	1 29	10 57	10 49	23 26	23 26	12 16	12 35	7 39
F 27	23 23	23 38	1 11	21 37	0 2	16 36	4 14	23 48	0 58	9 5	1 10	17 12	2 7	21 22	0 5	20 42	1 29	10 57	10 49	23 26	23 27	12 14	12 35	7 39
S 28	23 20	22 38	2 16	21 19	0n15	16 33	4 19	23 43	0 58	9 6	1 10	17 11	2 7	21 23	0 5	20 42	1 29	10 57	10 48	23 26	23 27	12 11	12 36	7 39
S 29	23 17	20 35	3 14	21 3	0 33	16 31	4 24	23 39	0 59	9 6	1 11	17 11	2 7	21 24	0 5	20 43	1 29	10 57	10 48	23 26	23 27	12 9	12 36	7 40
M30	23 13	17 38	4 2	20 47	0 52	16 30	4 28	23 34	0 59	9 7	1 11	17 10	2 7	21 24	0 5	20 43	1 29	10 57	10 48	23 26	23 27	12 7	12 37	7 40
T 31	23s 9	14s 0	4s39	20s33	1n12	16s29	4n32	23s28	0s59	9n 8	1n11	17n10	2s 6	21s25	0n 5	20s43	1n29	10n57	10s48	23n26	23n27	12s 5	12n37	7s40

Julian Day Number = 2322948.5, Delta T = 44.77 sec
Ecliptic obliquity = 23°29'05, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'33, Lahiri = 18°56'34Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

JANUARY 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 40 52	10♑19'53	16♓54	21°R 3	4♐ 5	17♑ 3	9°R28	25°R36	6♐55	11♐23	7°R34	3°R31	3♋ 6	10♓29	0°R15	W 1
T 2	6 44 48	11°21'04	28°45	20♑10	4°26	17°50	9♍27	25♉34	6°59	11°25	7♊33	3♋30	3° 2	10°36	0♌11	T 2
F 3	6 48 45	12°22'14	10♈42	19° 7	4°50	18°36	9°25	25°31	7° 2	11°27	7°32	3°D30	2°59	10°43	0° 7	F 3
S 4	6 52 41	13°23'23	22°49	17°57	5°15	19°23	9°23	25°29	7° 5	11°29	7°32	3°30	2°56	10°50	0° 3	S 4
S 5	6 56 38	14°24'32	5♉10	16°41	5°42	20°10	9°21	25°26	7° 8	11°31	7°31	3°31	2°53	10°56	29♋59	S 5
M 6	7 0 34	15°25'41	17°50	15°22	6°11	20°57	9°19	25°24	7°11	11°33	7°30	3°32	2°50	11° 3	29°54	M 6
T 7	7 4 31	16°26'49	0♊52	14° 2	6°41	21°44	9°17	25°22	7°14	11°35	7°29	3°33	2°47	11°10	29°50	T 7
W 8	7 8 27	17°27'56	14°19	12°44	7°13	22°30	9°14	25°20	7°17	11°37	7°28	3°34	2°43	11°16	29°46	W 8
T 9	7 12 24	18°29'03	28°10	11°30	7°46	23°17	9°12	25°18	7°20	11°39	7°27	3°R35	2°40	11°23	29°41	T 9
F 10	7 16 21	19°30'09	12♋24	10°22	8°21	24° 4	9° 9	25°16	7°23	11°41	7°26	3°34	2°37	11°30	29°37	F 10
S 11	7 20 17	20°31'15	26°56	9°22	8°57	24°51	9° 6	25°14	7°26	11°43	7°26	3°33	2°34	11°37	29°33	S 11
S 12	7 24 14	21°32'21	11♌41	8°30	9°34	25°38	9° 2	25°12	7°29	11°45	7°25	3°32	2°31	11°43	29°28	S 12
M13	7 28 10	22°33'26	26°31	7°48	10°13	26°25	8°59	25°11	7°32	11°46	7°24	3°29	2°27	11°50	29°24	M13
T 14	7 32 7	23°34'30	11♍18	7°15	10°53	27°12	8°55	25° 9	7°35	11°48	7°23	3°26	2°24	11°57	29°19	T 14
W15	7 36 3	24°35'34	25°55	6°51	11°34	27°59	8°51	25° 8	7°38	11°50	7°22	3°24	2°21	12° 3	29°15	W15
T 16	7 40 0	25°36'38	10♎17	6°37	12°16	28°46	8°47	25° 7	7°40	11°52	7°22	3°22	2°18	12°10	29°10	T 16
F 17	7 43 57	26°37'41	24°22	6°D31	12°59	29°33	8°43	25° 6	7°43	11°53	7°21	3°D21	2°15	12°17	29° 6	F 17
S 18	7 47 53	27°38'44	8♏ 7	6°34	13°44	0♒21	8°39	25° 5	7°46	11°55	7°20	3°22	2°12	12°24	29° 1	S 18
S 19	7 51 50	28°39'46	21°35	6°44	14°29	1° 8	8°34	25° 4	7°49	11°57	7°20	3°23	2° 8	12°30	28°57	S 19
M20	7 55 46	29°40'48	4♐45	7° 2	15°16	1°55	8°30	25° 3	7°51	11°59	7°19	3°25	2° 5	12°37	28°52	M20
T 21	7 59 43	0♒41'50	17°39	7°26	16° 3	2°42	8°25	25° 3	7°54	12° 0	7°18	3°26	2° 2	12°44	28°48	T 21
W22	8 3 39	1°42'51	0♑21	7°55	16°51	3°29	8°20	25° 2	7°56	12° 2	7°18	3°R27	1°59	12°50	28°43	W22
T 23	8 7 36	2°43'51	12°51	8°31	17°40	4°16	8°15	25° 2	7°59	12° 4	7°17	3°27	1°56	12°57	28°39	T 23
F 24	8 11 32	3°44'50	25°11	9°11	18°30	5° 4	8°10	25° 1	8° 1	12° 5	7°17	3°25	1°53	13° 4	28°34	F 24
S 25	8 15 29	4°45'48	7♒22	9°55	19°21	5°51	8° 4	25° 1	8° 4	12° 7	7°16	3°21	1°49	13°11	28°30	S 25
S 26	8 19 26	5°46'45	19°26	10°44	20°12	6°38	7°58	25°D 1	8° 6	12° 8	7°15	3°16	1°46	13°17	28°25	S 26
M27	8 23 22	6°47'41	1♓24	11°36	21° 4	7°25	7°53	25° 1	8° 8	12°10	7°15	3°10	1°43	13°24	28°21	M27
T 28	8 27 19	7°48'36	13°17	12°32	21°57	8°13	7°47	25° 1	8°11	12°11	7°14	3° 3	1°40	13°31	28°16	T 28
W29	8 31 15	8°49'30	25° 8	13°31	22°50	9° 0	7°41	25° 1	8°13	12°13	7°14	2°57	1°37	13°37	28°12	W29
T 30	8 35 12	9°50'22	6♈59	14°32	23°44	9°47	7°35	25° 2	8°15	12°14	7°14	2°51	1°33	13°44	28° 8	T 30
F 31	8 39 8	10♒51'13	18♈55	15♑36	24♐39	10♒35	7♍28	25♉ 2	8♐17	12♐15	7♊13	2♋47	1♋30	13♓51	28♋ 3	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 5	9s51	5s 4	20s20	1n31	16s29	4n36	23s23	1s 0	9n 8	1n11	17n 9	2s 6	21s25	0n 5	20s44	1n29	10n57	10s48	23n26	23n27	12s 2	12n38	7s41
T 2	23 0	5 19	5 16	20 9	1 50	16 30	4 39	23 17	1 0	9 9	1 12	17 9	2 6	21 26	0 5	20 44	1 29	10 57	10 48	23 26	23 27	12 0	12 38	7 41
F 3	22 54	0 34	5 14	20 0	2 8	16 32	4 41	23 11	1 0	9 10	1 12	17 8	2 6	21 26	0 5	20 44	1 29	10 57	10 47	23 26	23 27	11 58	12 39	7 41
S 4	22 49	4n16	4 59	19 53	2 25	16 34	4 44	23 5	1 0	9 11	1 12	17 8	2 5	21 27	0 5	20 44	1 29	10 57	10 47	23 26	23 27	11 56	12 39	7 41
S 5	22 42	9 2	4 30	19 47	2 41	16 36	4 46	22 58	1 1	9 12	1 13	17 8	2 5	21 27	0 5	20 45	1 29	10 57	10 47	23 26	23 27	11 53	12 40	7 42
M 6	22 35	13 33	3 47	19 43	2 54	16 40	4 47	22 51	1 1	9 13	1 13	17 8	2 5	21 28	0 5	20 45	1 29	10 57	10 47	23 26	23 27	11 51	12 41	7 42
T 7	22 28	17 35	2 51	19 40	3 6	16 43	4 49	22 44	1 1	9 14	1 13	17 7	2 5	21 28	0 5	20 45	1 29	10 58	10 47	23 26	23 27	11 49	12 41	7 42
W 8	22 21	20 50	1 45	19 39	3 14	16 48	4 50	22 36	1 1	9 15	1 13	17 7	2 4	21 29	0 5	20 45	1 29	10 58	10 47	23 26	23 27	11 47	12 42	7 42
T 9	22 12	22 58	0 30	19 39	3 20	16 52	4 50	22 29	1 1	9 16	1 14	17 7	2 4	21 29	0 5	20 46	1 29	10 58	10 46	23 26	23 27	11 44	12 43	7 43
F 10	22 4	23 43	0n49	19 41	3 24	16 57	4 51	22 21	1 2	9 18	1 14	17 7	2 4	21 30	0 5	20 46	1 29	10 58	10 46	23 26	23 28	11 42	12 43	7 43
S 11	21 55	22 52	2 6	19 44	3 25	17 3	4 51	22 13	1 2	9 19	1 14	17 7	2 4	21 30	0 5	20 46	1 29	10 58	10 46	23 26	23 28	11 40	12 44	7 43
S 12	21 45	20 26	3 15	19 49	3 25	17 8	4 51	22 4	1 2	9 21	1 14	17 6	2 3	21 31	0 5	20 46	1 29	10 58	10 46	23 26	23 28	11 37	12 45	7 43
M13	21 36	16 39	4 12	19 54	3 22	17 14	4 50	21 56	1 2	9 22	1 15	17 6	2 3	21 31	0 5	20 46	1 29	10 58	10 46	23 26	23 28	11 35	12 46	7 43
T 14	21 25	11 50	4 52	20 0	3 17	17 20	4 50	21 47	1 2	9 24	1 15	17 6	2 3	21 32	0 5	20 47	1 29	10 58	10 45	23 26	23 28	11 33	12 46	7 43
W15	21 15	6 24	5 12	20 7	3 11	17 27	4 49	21 38	1 3	9 25	1 15	17 6	2 3	21 32	0 5	20 47	1 29	10 58	10 45	23 26	23 28	11 31	12 47	7 43
T 16	21 4	0 43	5 13	20 15	3 4	17 33	4 47	21 28	1 3	9 27	1 15	17 6	2 2	21 33	0 5	20 47	1 29	10 58	10 45	23 27	23 28	11 28	12 48	7 43
F 17	20 52	4s54	4 54	20 23	2 56	17 40	4 46	21 18	1 3	9 29	1 16	17 6	2 2	21 33	0 5	20 47	1 29	10 58	10 45	23 27	23 28	11 26	12 49	7 43
S 18	20 40	10 9	4 19	20 32	2 47	17 47	4 45	21 9	1 3	9 31	1 16	17 6	2 2	21 34	0 5	20 47	1 29	10 58	10 44	23 27	23 28	11 24	12 50	7 43
S 19	20 28	14 48	3 30	20 41	2 38	17 54	4 43	20 58	1 3	9 33	1 16	17 6	2 1	21 34	0 5	20 48	1 29	10 59	10 44	23 26	23 28	11 21	12 51	7 43
M20	20 15	18 39	2 31	20 50	2 28	18 1	4 41	20 48	1 3	9 35	1 16	17 6	2 1	21 35	0 5	20 48	1 29	10 59	10 44	23 26	23 28	11 19	12 51	7 43
T 21	20 2	21 29	1 26	20 59	2 18	18 8	4 39	20 37	1 4	9 37	1 17	17 6	2 1	21 35	0 5	20 48	1 29	10 59	10 44	23 26	23 28	11 17	12 52	7 43
W22	19 49	23 12	0 17	21 7	2 8	18 15	4 36	20 27	1 4	9 39	1 17	17 7	2 1	21 35	0 5	20 48	1 29	10 59	10 44	23 26	23 28	11 14	12 53	7 43
T 23	19 35	23 43	0s51	21 16	1 57	18 22	4 34	20 16	1 4	9 41	1 17	17 7	2 0	21 36	0 5	20 48	1 29	10 59	10 43	23 26	23 28	11 12	12 54	7 43
F 24	19 21	23 3	1 56	21 24	1 46	18 29	4 31	20 4	1 4	9 43	1 17	17 7	2 0	21 36	0 5	20 49	1 29	10 59	10 43	23 26	23 28	11 10	12 55	7 43
S 25	19 7	21 17	2 55	21 31	1 36	18 36	4 28	19 53	1 4	9 46	1 18	17 7	2 0	21 37	0 5	20 49	1 29	10 59	10 43	23 27	23 28	11 7	12 56	7 43
S 26	18 52	18 35	3 45	21 38	1 25	18 43	4 25	19 41	1 4	9 48	1 18	17 7	1 59	21 37	0 5	20 49	1 29	10 59	10 43	23 27	23 28	11 5	12 57	7 43
M27	18 37	15 7	4 25	21 44	1 15	18 49	4 22	19 29	1 4	9 50	1 18	17 8	1 59	21 37	0 5	20 49	1 29	11 0	10 42	23 27	23 28	11 3	12 58	7 43
T 28	18 21	11 5	4 52	21 49	1 4	18 56	4 19	19 17	1 4	9 53	1 18	17 8	1 59	21 38	0 5	20 49	1 29	11 0	10 42	23 27	23 28	11 0	12 59	7 43
W29	18 5	6 38	5 8	21 54	0 54	19 2	4 16	19 5	1 4	9 55	1 18	17 8	1 59	21 38	0 5	20 49	1 29	11 0	10 42	23 27	23 29	10 58	13 0	7 43
T 30	17 49	1 58	5 10	21 58	0 44	19 8	4 12	18 52	1 5	9 58	1 19	17 9	1 58	21 38	0 5	20 50	1 29	11 0	10 42	23 27	23 29	10 56	13 1	7 43
F 31	17s33	2n49	4s58	22s 0	0n34	19s14	4n 9	18s39	1s 5	10n 0	1n19	17n 9	1s58	21s39	0n 5	20s50	1n29	11n 0	10s41	23n27	23n29	10s53	13n 2	7s42

Julian Day Number = 2322979.5, Delta T = 44.71 sec
Ecliptic obliquity = 23°29'05, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'38, Lahiri = 18°56'38Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

FEBRUARY 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 43 5	11♒52'02	0♉59	16♑43	25♐34	11♒22	7°R22	25♉ 3	8♐20	12♐17	7°R13	2°R44	1♋27	13♓58	27°R59	S 1
S 2	8 47 1	12°52'50	13°15	17°51	26°30	12° 9	7♍15	25° 4	8°22	12°18	7♊12	2°D43	1°24	14° 4	27♋55	S 2
M 3	8 50 58	13°53'37	25°49	19° 2	27°26	12°57	7° 9	25° 4	8°24	12°19	7°12	2♋44	1°21	14°11	27°50	M 3
T 4	8 54 55	14°54'22	8♊44	20°14	28°23	13°44	7° 2	25° 5	8°26	12°21	7°12	2°46	1°18	14°18	27°46	T 4
W 5	8 58 51	15°55'05	22° 6	21°28	29°20	14°31	6°55	25° 6	8°28	12°22	7°11	2°47	1°14	14°24	27°42	W 5
T 6	9 2 48	16°55'47	5♋55	22°44	0♑18	15°19	6°48	25° 8	8°30	12°23	7°11	2°R47	1°11	14°31	27°38	T 6
F 7	9 6 44	17°56'27	20°12	24° 1	1°16	16° 6	6°41	25° 9	8°31	12°24	7°11	2°46	1° 8	14°38	27°33	F 7
S 8	9 10 41	18°57'06	4♌55	25°20	2°15	16°54	6°34	25°10	8°33	12°26	7°10	2°43	1° 5	14°45	27°29	S 8
S 9	9 14 37	19°57'43	19°58	26°40	3°14	17°41	6°27	25°12	8°35	12°27	7°10	2°37	1° 2	14°51	27°25	S 9
M10	9 18 34	20°58'18	5♍10	28° 1	4°14	18°28	6°20	25°13	8°37	12°28	7°10	2°30	0°59	14°58	27°21	M10
T 11	9 22 30	21°58'52	20°22	29°24	5°14	19°16	6°12	25°15	8°38	12°29	7°10	2°22	0°55	15° 5	27°17	T 11
W12	9 26 27	22°59'25	5♎24	0♒48	6°15	20° 3	6° 5	25°17	8°40	12°30	7° 9	2°15	0°52	15°11	27°14	W12
T 13	9 30 24	23°59'57	20° 6	2°13	7°15	20°51	5°57	25°19	8°41	12°31	7° 9	2° 8	0°49	15°18	27°10	T 13
F 14	9 34 20	25° 0'27	4♏24	3°39	8°17	21°38	5°50	25°21	8°43	12°32	7° 9	2° 4	0°46	15°25	27° 6	F 14
S 15	9 38 17	26° 0'56	18°15	5° 6	9°18	22°25	5°42	25°23	8°44	12°33	7° 9	2° 2	0°43	15°32	27° 2	S 15
S 16	9 42 13	27° 1'23	1♐41	6°34	10°20	23°13	5°34	25°25	8°46	12°34	7° 9	2°D 2	0°39	15°38	26°59	S 16
M17	9 46 10	28° 1'50	14°44	8° 3	11°22	24° 0	5°27	25°28	8°47	12°35	7° 9	2° 3	0°36	15°45	26°55	M17
T 18	9 50 6	29° 2'15	27°27	9°34	12°25	24°48	5°19	25°30	8°49	12°36	7° 9	2°R 4	0°33	15°52	26°52	T 18
W19	9 54 3	0♓ 2'38	9♑54	11° 5	13°28	25°35	5°11	25°33	8°50	12°36	7° 9	2° 4	0°30	15°59	26°48	W19
T 20	9 57 59	1° 3'00	22°10	12°37	14°31	26°22	5° 3	25°35	8°51	12°37	7°D 9	2° 1	0°27	16° 5	26°45	T 20
F 21	10 1 56	2° 3'21	4♒16	14°11	15°34	27°10	4°55	25°38	8°52	12°38	7° 9	1°57	0°24	16°12	26°41	F 21
S 22	10 5 53	3° 3'40	16°16	15°45	16°38	27°57	4°48	25°41	8°53	12°39	7° 9	1°49	0°20	16°19	26°38	S 22
S 23	10 9 49	4° 3'57	28°12	17°21	17°42	28°44	4°40	25°44	8°54	12°39	7° 9	1°39	0°17	16°25	26°35	S 23
M24	10 13 46	5° 4'12	10♓ 6	18°57	18°46	29°32	4°32	25°47	8°55	12°40	7° 9	1°27	0°14	16°32	26°32	M24
T 25	10 17 42	6° 4'26	21°58	20°35	19°51	0♓19	4°24	25°50	8°56	12°41	7° 9	1°14	0°11	16°39	26°29	T 25
W26	10 21 39	7° 4'37	3♈50	22°13	20°55	1° 7	4°16	25°54	8°57	12°41	7° 9	1° 1	0° 8	16°46	26°26	W26
T 27	10 25 35	8° 4'47	15°43	23°53	22° 0	1°54	4° 8	25°57	8°58	12°42	7° 9	0°50	0° 4	16°52	26°23	T 27
F 28	10 29 32	9° 4'55	27°41	25°33	23° 6	2°41	4° 0	26° 0	8°59	12°42	7° 9	0°40	0° 1	16°59	26°20	F 28
S 29	10 33 28	10♓ 5'00	9♉46	27♒15	24♑11	3♓29	3♍53	26♉ 4	9♐ 0	12♐43	7♊10	0♋33	29♊58	17♓ 6	26♋18	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s16	7n33	4s34	22s 2	0n25	19s20	4n 5	18s26	1s 5	10n 3	1n19	17n10	1s58	21s39	0n 5	20s50	1n29	11n 1	10s41	23n27	23n29	10s51	13n 3	7s42
S 2	16 59	12 5	3 56	22 2	0 15	19 25	4 1	18 13	1 5	10 5	1 19	17 10	1 57	21 39	0 5	20 50	1 30	11 1	10 41	23 27	23 29	10 48	13 4	7 42
M 3	16 41	16 13	3 7	22 2	0 6	19 30	3 58	18 0	1 5	10 8	1 19	17 10	1 57	21 40	0 5	20 50	1 30	11 1	10 41	23 27	23 29	10 46	13 5	7 42
T 4	16 24	19 43	2 7	22 0	0s 3	19 35	3 54	17 46	1 5	10 11	1 20	17 11	1 57	21 40	0 5	20 50	1 30	11 1	10 40	23 27	23 29	10 44	13 6	7 41
W 5	16 6	22 17	0 58	21 58	0 12	19 40	3 49	17 32	1 5	10 13	1 20	17 11	1 57	21 40	0 5	20 50	1 30	11 1	10 40	23 27	23 29	10 41	13 7	7 41
T 6	15 47	23 38	0n17	21 54	0 20	19 44	3 45	17 18	1 5	10 16	1 20	17 12	1 56	21 41	0 5	20 50	1 30	11 1	10 40	23 27	23 29	10 39	13 8	7 41
F 7	15 29	23 29	1 33	21 49	0 28	19 48	3 41	17 4	1 5	10 19	1 20	17 13	1 56	21 41	0 5	20 51	1 30	11 2	10 40	23 27	23 29	10 37	13 9	7 41
S 8	15 10	21 44	2 45	21 42	0 36	19 51	3 37	16 50	1 5	10 22	1 20	17 13	1 56	21 41	0 5	20 51	1 30	11 2	10 39	23 27	23 29	10 34	13 10	7 40
S 9	14 51	18 26	3 46	21 35	0 44	19 54	3 32	16 36	1 5	10 24	1 20	17 14	1 56	21 42	0 5	20 51	1 30	11 2	10 39	23 28	23 29	10 32	13 11	7 40
M10	14 32	13 52	4 33	21 26	0 51	19 57	3 28	16 21	1 5	10 27	1 21	17 14	1 55	21 42	0 5	20 51	1 30	11 2	10 39	23 28	23 29	10 29	13 13	7 40
T 11	14 12	8 25	5 0	21 16	0 59	20 0	3 23	16 6	1 5	10 30	1 21	17 15	1 55	21 42	0 5	20 51	1 30	11 3	10 39	23 28	23 29	10 27	13 14	7 39
W12	13 53	2 32	5 6	21 5	1 5	20 2	3 19	15 51	1 5	10 33	1 21	17 16	1 55	21 42	0 5	20 51	1 30	11 3	10 38	23 28	23 29	10 25	13 15	7 39
T 13	13 33	3s22	4 52	20 52	1 12	20 3	3 14	15 36	1 5	10 36	1 21	17 17	1 54	21 43	0 5	20 51	1 30	11 3	10 38	23 28	23 29	10 22	13 16	7 39
F 14	13 13	8 56	4 20	20 38	1 18	20 4	3 10	15 21	1 5	10 39	1 21	17 17	1 54	21 43	0 5	20 51	1 30	11 3	10 38	23 28	23 29	10 20	13 17	7 38
S 15	12 52	13 53	3 33	20 23	1 24	20 5	3 5	15 5	1 5	10 42	1 21	17 18	1 54	21 43	0 5	20 51	1 30	11 4	10 38	23 28	23 29	10 17	13 18	7 38
S 16	12 32	18 0	2 36	20 7	1 29	20 5	3 0	14 50	1 5	10 45	1 21	17 19	1 54	21 43	0 5	20 51	1 30	11 4	10 37	23 28	23 29	10 15	13 19	7 37
M17	12 11	21 5	1 32	19 49	1 35	20 5	2 55	14 34	1 5	10 48	1 22	17 20	1 53	21 44	0 5	20 51	1 30	11 4	10 37	23 28	23 29	10 13	13 20	7 37
T 18	11 50	23 3	0 25	19 29	1 40	20 4	2 51	14 18	1 5	10 51	1 22	17 21	1 53	21 44	0 5	20 52	1 30	11 4	10 37	23 28	23 29	10 10	13 21	7 36
W19	11 29	23 49	0s42	19 9	1 44	20 3	2 46	14 2	1 5	10 54	1 22	17 21	1 53	21 44	0 5	20 52	1 30	11 5	10 37	23 28	23 29	10 8	13 22	7 36
T 20	11 7	23 23	1 45	18 47	1 48	20 2	2 41	13 46	1 5	10 57	1 22	17 22	1 52	21 44	0 5	20 52	1 30	11 5	10 36	23 28	23 29	10 5	13 23	7 36
F 21	10 46	21 52	2 43	18 24	1 52	20 0	2 36	13 29	1 4	11 0	1 22	17 23	1 52	21 44	0 5	20 52	1 30	11 5	10 36	23 28	23 29	10 3	13 24	7 35
S 22	10 24	19 22	3 33	17 59	1 56	19 57	2 31	13 13	1 4	11 3	1 22	17 24	1 52	21 45	0 5	20 52	1 30	11 5	10 36	23 28	23 29	10 0	13 26	7 35
S 23	10 2	16 4	4 13	17 33	1 59	19 54	2 26	12 56	1 4	11 6	1 22	17 25	1 52	21 45	0 5	20 52	1 30	11 6	10 35	23 28	23 29	9 58	13 27	7 34
M24	9 40	12 8	4 42	17 6	2 2	19 50	2 21	12 40	1 4	11 9	1 22	17 26	1 51	21 45	0 5	20 52	1 30	11 6	10 35	23 29	23 29	9 56	13 28	7 34
T 25	9 18	7 45	4 58	16 37	2 4	19 46	2 16	12 23	1 4	11 11	1 22	17 27	1 51	21 45	0 5	20 52	1 30	11 6	10 35	23 29	23 29	9 53	13 29	7 33
W26	8 56	3 5	5 2	16 7	2 6	19 42	2 11	12 6	1 4	11 14	1 22	17 28	1 51	21 45	0 5	20 52	1 31	11 6	10 35	23 29	23 29	9 51	13 30	7 32
T 27	8 33	1n42	4 52	15 36	2 8	19 36	2 6	11 49	1 4	11 17	1 22	17 29	1 51	21 45	0 5	20 52	1 31	11 7	10 34	23 29	23 29	9 48	13 31	7 32
F 28	8 11	6 28	4 30	15 3	2 9	19 31	2 1	11 32	1 4	11 20	1 22	17 30	1 50	21 45	0 5	20 52	1 31	11 7	10 34	23 29	23 29	9 46	13 32	7 31
S 29	7s48	11n 3	3s55	14s29	2s10	19s25	1n56	11s14	1s 4	11n23	1n22	17n31	1s50	21s46	0n 5	20s52	1n31	11n 7	10s34	23n29	23n29	9s43	13n33	7s31

Julian Day Number = 2323010.5, Delta T = 44.65 sec
Ecliptic obliquity = 23°29'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'42, Lahiri = 18°56'42Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1648
geocentric

MARCH 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 37 25	11♓ 5'04	22♉ 1	28♒58	25♋16	4♓16	3°R45	26♉ 8	9♐ 0	12♐43	7♊10	0°R29	29♊55	17♓12	26°R15	S 1
M 2	10 41 21	12° 5'06	4♊30	0♓42	26°22	5° 3	3♍37	26°12	9° 1	12°44	7°10	0♋28	29°52	17°19	26♋13	M 2
T 3	10 45 18	13° 5'05	17°19	2°27	27°28	5°50	3°29	26°15	9° 1	12°44	7°10	0°D27	29°49	17°26	26°10	T 3
W 4	10 49 15	14° 5'02	0♋32	4°13	28°34	6°38	3°22	26°19	9° 2	12°45	7°11	0°R28	29°45	17°33	26° 8	W 4
T 5	10 53 11	15° 4'57	14°11	6° 0	29°41	7°25	3°14	26°23	9° 2	12°45	7°11	0°27	29°42	17°39	26° 6	T 5
F 6	10 57 8	16° 4'50	28°20	7°49	0♒47	8°12	3° 7	26°28	9° 3	12°45	7°11	0°24	29°39	17°46	26° 4	F 6
S 7	11 1 4	17° 4'40	12♌57	9°38	1°54	8°59	2°59	26°32	9° 3	12°45	7°12	0°19	29°36	17°53	26° 1	S 7
S 8	11 5 1	18° 4'28	27°58	11°29	3° 0	9°47	2°52	26°36	9° 4	12°46	7°12	0°11	29°33	17°59	26° 0	S 8
M 9	11 8 57	19° 4'14	13♍15	13°21	4° 7	10°34	2°44	26°41	9° 4	12°46	7°12	0° 1	29°30	18° 6	25°58	M 9
T 10	11 12 54	20° 3'58	28°38	15°14	5°15	11°21	2°37	26°45	9° 4	12°46	7°13	29♊50	29°26	18°13	25°56	T 10
W11	11 16 50	21° 3'40	13♎53	17° 8	6°22	12° 8	2°30	26°50	9° 4	12°46	7°13	29°39	29°23	18°20	25°54	W11
T 12	11 20 47	22° 3'21	28°51	19° 4	7°29	12°55	2°23	26°54	9° 4	12°46	7°14	29°30	29°20	18°26	25°53	T 12
F 13	11 24 44	23° 2'59	13♏24	21° 0	8°37	13°42	2°16	26°59	9°R 4	12°46	7°14	29°23	29°17	18°33	25°51	F 13
S 14	11 28 40	24° 2'36	27°27	22°58	9°45	14°29	2° 9	27° 4	9° 4	12°R46	7°15	29°19	29°14	18°40	25°50	S 14
S 15	11 32 37	25° 2'11	11♐ 1	24°56	10°52	15°16	2° 2	27° 9	9° 4	12°46	7°15	29°17	29°10	18°47	25°49	S 15
M16	11 36 33	26° 1'44	24° 7	26°56	12° 0	16° 3	1°56	27°14	9° 4	12°46	7°16	29°16	29° 7	18°53	25°47	M16
T 17	11 40 30	27° 1'15	6♋49	28°56	13° 9	16°50	1°49	27°19	9° 4	12°46	7°16	29°16	29° 4	19° 0	25°46	T 17
W18	11 44 26	28° 0'45	19°13	0♈57	14°17	17°37	1°43	27°24	9° 4	12°46	7°17	29°15	29° 1	19° 7	25°45	W18
T 19	11 48 23	29° 0'13	1♒22	2°58	15°25	18°24	1°36	27°29	9° 3	12°46	7°17	29°13	28°58	19°13	25°44	T 19
F 20	11 52 19	29°59'39	13°22	5° 0	16°34	19°11	1°30	27°35	9° 3	12°46	7°18	29° 7	28°55	19°20	25°44	F 20
S 21	11 56 16	0♈59'03	25°16	7° 2	17°42	19°58	1°24	27°40	9° 3	12°46	7°19	28°58	28°51	19°27	25°43	S 21
S 22	12 0 13	1°58'26	7♓ 7	9° 4	18°51	20°45	1°18	27°45	9° 2	12°45	7°19	28°47	28°48	19°34	25°42	S 22
M23	12 4 9	2°57'46	18°59	11° 6	20° 0	21°32	1°12	27°51	9° 2	12°45	7°20	28°34	28°45	19°40	25°42	M23
T 24	12 8 6	3°57'04	0♈51	13° 7	21° 9	22°19	1° 7	27°56	9° 1	12°45	7°21	28°19	28°42	19°47	25°42	T 24
W25	12 12 2	4°56'20	12°46	15° 7	22°18	23° 5	1° 1	28° 2	9° 1	12°44	7°21	28° 5	28°39	19°54	25°41	W25
T 26	12 15 59	5°55'34	24°46	17° 6	23°27	23°52	0°56	28° 8	9° 0	12°44	7°22	27°51	28°35	20° 0	25°41	T 26
F 27	12 19 55	6°54'46	6♉50	19° 3	24°36	24°39	0°51	28°14	8°59	12°44	7°23	27°40	28°32	20° 7	25°D41	F 27
S 28	12 23 52	7°53'56	19° 2	20°58	25°45	25°26	0°45	28°20	8°59	12°43	7°23	27°32	28°29	20°14	25°41	S 28
S 29	12 27 48	8°53'04	1♊23	22°51	26°55	26°12	0°40	28°26	8°58	12°43	7°24	27°27	28°26	20°21	25°41	S 29
M30	12 31 45	9°52'09	13°57	24°41	28° 4	26°59	0°36	28°32	8°57	12°42	7°25	27°25	28°23	20°27	25°42	M30
T 31	12 35 42	10♈51'12	26♊46	26♈28	29♒13	27♓46	0♍31	28♉38	8♐56	12♐42	7♊26	27°D24	28♊20	20♓34	25♋42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s25	15n16	3s 9	13s53	2s10	19s18	1n51	10s57	1s 3	11n26	1n22	17n33	1s50	21s46	0n 5	20s52	1n31	11n 8	10s34	23n29	23n29	9s41	13n34	7s30
M 2	7 2	18 54	2 13	13 16	2 10	19 11	1 46	10 39	1 3	11 29	1 23	17 34	1 50	21 46	0 5	20 52	1 31	11 8	10 33	23 29	23 29	9 38	13 35	7 30
T 3	6 40	21 44	1 9	12 38	2 9	19 3	1 41	10 22	1 3	11 32	1 23	17 35	1 49	21 46	0 5	20 52	1 31	11 8	10 33	23 29	23 29	9 36	13 36	7 29
W 4	6 16	23 29	0n 0	11 58	2 8	18 55	1 36	10 4	1 3	11 34	1 23	17 36	1 49	21 46	0 5	20 52	1 31	11 9	10 33	23 29	23 29	9 33	13 37	7 28
T 5	5 53	23 55	1 12	11 17	2 7	18 46	1 31	9 47	1 3	11 37	1 23	17 37	1 49	21 46	0 5	20 52	1 31	11 9	10 33	23 29	23 29	9 31	13 38	7 28
F 6	5 30	22 51	2 22	10 35	2 5	18 37	1 27	9 29	1 3	11 40	1 23	17 38	1 49	21 46	0 5	20 52	1 31	11 9	10 32	23 29	23 29	9 29	13 39	7 27
S 7	5 7	20 13	3 25	9 51	2 2	18 27	1 22	9 11	1 2	11 43	1 23	17 40	1 48	21 46	0 5	20 52	1 31	11 9	10 32	23 29	23 29	9 26	13 40	7 27
S 8	4 43	16 11	4 15	9 7	1 59	18 17	1 17	8 53	1 2	11 45	1 23	17 41	1 48	21 46	0 5	20 52	1 31	11 10	10 32	23 29	23 29	9 24	13 41	7 26
M 9	4 20	11 1	4 48	8 20	1 56	18 6	1 12	8 35	1 2	11 48	1 23	17 42	1 48	21 46	0 5	20 52	1 31	11 10	10 31	23 29	23 29	9 21	13 42	7 25
T 10	3 57	5 8	5 0	7 33	1 52	17 54	1 7	8 17	1 2	11 51	1 23	17 43	1 48	21 46	0 5	20 52	1 31	11 10	10 31	23 29	23 29	9 19	13 43	7 25
W11	3 33	1s 1	4 51	6 44	1 47	17 43	1 2	7 58	1 2	11 53	1 23	17 45	1 47	21 46	0 5	20 52	1 31	11 11	10 31	23 29	23 29	9 16	13 44	7 24
T 12	3 9	7 0	4 22	5 54	1 42	17 30	0 58	7 40	1 1	11 56	1 23	17 46	1 47	21 46	0 5	20 52	1 31	11 11	10 31	23 29	23 29	9 14	13 45	7 23
F 13	2 46	12 26	3 37	5 3	1 37	17 17	0 53	7 22	1 1	11 58	1 22	17 47	1 47	21 46	0 5	20 52	1 31	11 11	10 30	23 29	23 29	9 11	13 46	7 23
S 14	2 22	17 2	2 40	4 11	1 31	17 4	0 48	7 3	1 1	12 1	1 22	17 49	1 47	21 46	0 5	20 52	1 31	11 12	10 30	23 29	23 29	9 9	13 47	7 22
S 15	1 59	20 34	1 35	3 18	1 24	16 50	0 44	6 45	1 1	12 3	1 22	17 50	1 46	21 46	0 5	20 52	1 31	11 12	10 30	23 29	23 29	9 6	13 48	7 21
M16	1 35	22 54	0 27	2 24	1 17	16 36	0 39	6 26	1 1	12 5	1 22	17 51	1 46	21 46	0 5	20 52	1 31	11 12	10 30	23 29	23 29	9 4	13 49	7 20
T 17	1 11	23 58	0s40	1 29	1 9	16 21	0 34	6 8	1 0	12 8	1 22	17 53	1 46	21 46	0 5	20 52	1 31	11 13	10 29	23 29	23 29	9 1	13 49	7 20
W18	0 48	23 49	1 43	0 33	1 1	16 6	0 30	5 49	1 0	12 10	1 22	17 54	1 46	21 46	0 5	20 52	1 31	11 13	10 29	23 29	23 29	8 59	13 50	7 19
T 19	0 24	22 30	2 41	0n23	0 52	15 50	0 26	5 31	1 0	12 12	1 22	17 55	1 46	21 46	0 5	20 52	1 32	11 13	10 29	23 29	23 29	8 56	13 51	7 18
F 20	0 0	20 12	3 30	1 20	0 43	15 34	0 21	5 12	0 59	12 14	1 22	17 57	1 45	21 46	0 5	20 51	1 32	11 14	10 29	23 29	23 29	8 54	13 52	7 18
S 21	0n24	17 2	4 10	2 18	0 33	15 17	0 17	4 53	0 59	12 16	1 22	17 58	1 45	21 46	0 5	20 51	1 32	11 14	10 28	23 29	23 29	8 51	13 53	7 17
S 22	0 47	13 13	4 39	3 15	0 23	15 0	0 12	4 35	0 59	12 18	1 22	18 0	1 45	21 46	0 5	20 51	1 32	11 14	10 28	23 29	23 29	8 48	13 54	7 16
M23	1 11	8 54	4 55	4 13	0 12	14 43	0 8	4 16	0 59	12 20	1 22	18 1	1 45	21 46	0 5	20 51	1 32	11 15	10 28	23 29	23 29	8 46	13 54	7 15
T 24	1 34	4 14	4 59	5 10	0 1	14 25	0 4	3 57	0 58	12 22	1 22	18 3	1 44	21 46	0 5	20 51	1 32	11 15	10 28	23 28	23 29	8 43	13 55	7 15
W25	1 58	0n36	4 50	6 7	0n10	14 7	0s 0	3 38	0 58	12 24	1 22	18 4	1 44	21 46	0 5	20 51	1 32	11 15	10 27	23 28	23 29	8 41	13 56	7 14
T 26	2 21	5 27	4 28	7 4	0 22	13 48	0 4	3 19	0 58	12 26	1 22	18 5	1 44	21 46	0 5	20 51	1 32	11 16	10 27	23 28	23 29	8 38	13 57	7 13
F 27	2 45	10 9	3 53	7 59	0 33	13 29	0 8	3 0	0 57	12 28	1 22	18 7	1 44	21 46	0 5	20 51	1 32	11 16	10 27	23 28	23 29	8 36	13 57	7 13
S 28	3 8	14 30	3 8	8 54	0 45	13 9	0 12	2 42	0 57	12 30	1 21	18 8	1 44	21 46	0 5	20 51	1 32	11 16	10 27	23 28	23 29	8 33	13 58	7 12
S 29	3 32	18 19	2 13	9 47	0 57	12 49	0 16	2 23	0 57	12 31	1 21	18 10	1 43	21 45	0 5	20 51	1 32	11 17	10 27	23 28	23 29	8 31	13 59	7 11
M30	3 55	21 21	1 11	10 38	1 8	12 29	0 20	2 4	0 56	12 33	1 21	18 11	1 43	21 45	0 5	20 51	1 32	11 17	10 26	23 28	23 29	8 28	14 0	7 10
T 31	4n18	23n23	0s 3	11n28	1n20	12s 8	0s24	1s45	0s56	12n34	1n21	18n13	1s43	21s45	0n 5	20s50	1n32	11n18	10s26	23n28	23n28	8s26	14n 0	7s10

Julian Day Number = 2323039.5, Delta T = 44.60 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'46, Lahiri = 18°56'46Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

APRIL 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 39 38	11♈50'13	9♋55	28♈11	0♓23	28♓32	0°R27	28♉44	8°R55	12°R41	7♊27	27°R24	28♊16	20♓41	25♋42	W 1
T 2	12 43 35	12°49'11	23°27	29°50	1°33	29°19	0♍22	28°50	8♐54	12♐41	7°28	27♊24	28°13	20°47	25°43	T 2
F 3	12 47 31	13°48'07	7♌24	1♉25	2°42	0♈ 5	0°18	28°56	8°53	12°40	7°28	27°22	28°10	20°54	25°44	F 3
S 4	12 51 28	14°47'01	21°47	2°56	3°52	0°52	0°14	29° 2	8°52	12°39	7°29	27°18	28° 7	21° 1	25°44	S 4
S 5	12 55 24	15°45'52	6♍34	4°22	5° 2	1°38	0°11	29° 9	8°51	12°39	7°30	27°11	28° 4	21° 8	25°45	S 5
M 6	12 59 21	16°44'42	21°37	5°43	6°12	2°24	0° 7	29°15	8°50	12°38	7°31	27° 2	28° 1	21°14	25°46	M 6
T 7	13 3 17	17°43'28	6♎50	6°58	7°22	3°11	0° 4	29°22	8°49	12°37	7°32	26°52	27°57	21°21	25°47	T 7
W 8	13 7 14	18°42'13	22° 1	8° 9	8°32	3°57	0° 0	29°28	8°47	12°36	7°33	26°42	27°54	21°28	25°49	W 8
T 9	13 11 10	19°40'56	7♏ 0	9°14	9°42	4°43	29♌57	29°35	8°46	12°36	7°34	26°33	27°51	21°35	25°50	T 9
F 10	13 15 7	20°39'37	21°37	10°13	10°52	5°30	29°54	29°41	8°45	12°35	7°35	26°27	27°48	21°41	25°51	F 10
S 11	13 19 4	21°38'17	5♐48	11° 6	12° 3	6°16	29°52	29°48	8°43	12°34	7°36	26°22	27°45	21°48	25°53	S 11
S 12	13 23 0	22°36'54	19°29	11°54	13°13	7° 2	29°49	29°55	8°42	12°33	7°37	26°21	27°41	21°55	25°54	S 12
M13	13 26 57	23°35'30	2♑42	12°36	14°23	7°48	29°47	0♊ 2	8°40	12°32	7°38	26°D21	27°38	22° 1	25°56	M13
T 14	13 30 53	24°34'04	15°30	13°12	15°34	8°34	29°44	0° 8	8°39	12°31	7°39	26°21	27°35	22° 8	25°58	T 14
W15	13 34 50	25°32'37	27°57	13°41	16°44	9°20	29°42	0°15	8°37	12°30	7°40	26°R22	27°32	22°15	26° 0	W15
T 16	13 38 46	26°31'08	10♒ 7	14° 5	17°55	10° 6	29°41	0°22	8°36	12°29	7°41	26°21	27°29	22°22	26° 2	T 16
F 17	13 42 43	27°29'37	22° 7	14°23	19° 6	10°52	29°39	0°29	8°34	12°28	7°42	26°17	27°26	22°28	26° 4	F 17
S 18	13 46 40	28°28'05	4♓ 0	14°35	20°16	11°38	29°38	0°36	8°33	12°27	7°43	26°12	27°22	22°35	26° 6	S 18
S 19	13 50 36	29°26'30	15°51	14°41	21°27	12°24	29°36	0°43	8°31	12°26	7°44	26° 4	27°19	22°42	26° 8	S 19
M20	13 54 33	0♉24'54	27°42	14°R41	22°38	13°10	29°35	0°50	8°29	12°25	7°46	25°55	27°16	22°49	26°11	M20
T 21	13 58 29	1°23'17	9♈38	14°36	23°49	13°56	29°34	0°58	8°27	12°24	7°47	25°45	27°13	22°55	26°13	T 21
W22	14 2 26	2°21'37	21°38	14°26	24°59	14°41	29°34	1° 5	8°26	12°23	7°48	25°34	27°10	23° 2	26°16	W22
T 23	14 6 22	3°19'56	3♉46	14°11	26°10	15°27	29°33	1°12	8°24	12°22	7°49	25°25	27° 7	23° 9	26°18	T 23
F 24	14 10 19	4°18'13	16° 2	13°51	27°21	16°13	29°33	1°19	8°22	12°21	7°50	25°17	27° 3	23°15	26°21	F 24
S 25	14 14 15	5°16'29	28°27	13°27	28°32	16°58	29°D32	1°26	8°20	12°19	7°51	25°11	27° 0	23°22	26°24	S 25
S 26	14 18 12	6°14'42	11♊ 2	12°59	29°43	17°44	29°33	1°34	8°18	12°18	7°53	25° 8	26°57	23°29	26°27	S 26
M27	14 22 8	7°12'54	23°49	12°28	0♈54	18°29	29°33	1°41	8°16	12°17	7°54	25°D 7	26°54	23°36	26°30	M27
T 28	14 26 5	8°11'04	6♋50	11°55	2° 5	19°15	29°33	1°48	8°14	12°16	7°55	25° 8	26°51	23°42	26°33	T 28
W29	14 30 2	9° 9'11	20° 5	11°19	3°17	20° 0	29°34	1°56	8°12	12°14	7°56	25° 9	26°47	23°49	26°37	W29
T 30	14 33 58	10♉ 7'17	3♌39	10♉42	4♈28	20♈46	29♌34	2♊ 3	8♐10	12♐13	7♊57	25°R10	26♊44	23♓56	26♋40	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n41	24n12	1n 6	12n16	1n31	11s47	0s27	1s26	0s56	12n36	1n21	18n14	1s43	21s45	0n 5	20s50	1n32	11n18	10s26	23n28	23n28	8s23	14n 1	7s 9
T 2	5 4	23 38	2 13	13 1	1 42	11 26	0 31	1 7	0 55	12 37	1 21	18 16	1 43	21 45	0 5	20 50	1 32	11 18	10 26	23 28	23 28	8 21	14 2	7 8
F 3	5 27	21 36	3 15	13 45	1 52	11 4	0 34	0 48	0 55	12 39	1 21	18 18	1 42	21 45	0 5	20 50	1 32	11 19	10 25	23 28	23 28	8 18	14 2	7 7
S 4	5 50	18 9	4 6	14 26	2 2	10 42	0 38	0 30	0 55	12 40	1 21	18 19	1 42	21 45	0 5	20 50	1 32	11 19	10 25	23 27	23 28	8 15	14 3	7 7
S 5	6 13	13 30	4 43	15 4	2 12	10 19	0 41	0 11	0 54	12 41	1 20	18 21	1 42	21 44	0 5	20 50	1 32	11 19	10 25	23 27	23 28	8 13	14 3	7 6
M 6	6 36	7 56	5 1	15 39	2 20	9 57	0 45	0n 8	0 54	12 42	1 20	18 22	1 42	21 44	0 5	20 50	1 32	11 20	10 25	23 27	23 28	8 10	14 4	7 5
T 7	6 58	1 50	4 57	16 12	2 28	9 34	0 48	0 27	0 54	12 43	1 20	18 24	1 42	21 44	0 5	20 50	1 32	11 20	10 25	23 27	23 28	8 8	14 4	7 4
W 8	7 21	4s22	4 33	16 42	2 35	9 10	0 51	0 46	0 53	12 44	1 20	18 25	1 42	21 44	0 5	20 50	1 32	11 20	10 24	23 27	23 28	8 5	14 5	7 4
T 9	7 43	10 15	3 51	17 9	2 42	8 47	0 54	1 4	0 53	12 45	1 20	18 27	1 41	21 44	0 5	20 49	1 32	11 21	10 24	23 26	23 28	8 3	14 5	7 3
F 10	8 5	15 25	2 53	17 33	2 47	8 23	0 57	1 23	0 52	12 46	1 20	18 28	1 41	21 43	0 5	20 49	1 32	11 21	10 24	23 26	23 28	8 0	14 6	7 2
S 11	8 27	19 33	1 47	17 54	2 51	7 59	1 0	1 42	0 52	12 47	1 20	18 30	1 41	21 43	0 5	20 49	1 32	11 21	10 24	23 26	23 28	7 57	14 6	7 1
S 12	8 49	22 28	0 36	18 12	2 54	7 34	1 3	2 0	0 52	12 48	1 19	18 32	1 41	21 43	0 5	20 49	1 33	11 22	10 24	23 26	23 28	7 55	14 7	7 1
M13	9 11	24 1	0s34	18 27	2 57	7 10	1 6	2 19	0 51	12 49	1 19	18 33	1 41	21 43	0 5	20 49	1 33	11 22	10 23	23 26	23 28	7 52	14 7	7 0
T 14	9 32	24 15	1 40	18 39	2 58	6 45	1 8	2 38	0 51	12 49	1 19	18 35	1 41	21 43	0 5	20 49	1 33	11 22	10 23	23 26	23 28	7 50	14 8	6 59
W15	9 54	23 14	2 40	18 48	2 57	6 20	1 11	2 56	0 50	12 50	1 19	18 36	1 40	21 42	0 5	20 48	1 33	11 23	10 23	23 26	23 28	7 47	14 8	6 58
T 16	10 15	21 8	3 31	18 54	2 56	5 55	1 13	3 15	0 50	12 50	1 19	18 38	1 40	21 42	0 5	20 48	1 33	11 23	10 23	23 26	23 28	7 44	14 8	6 58
F 17	10 36	18 9	4 13	18 57	2 53	5 29	1 16	3 33	0 49	12 51	1 19	18 40	1 40	21 42	0 5	20 48	1 33	11 23	10 23	23 26	23 28	7 42	14 9	6 57
S 18	10 57	14 26	4 42	18 56	2 49	5 4	1 18	3 52	0 49	12 51	1 19	18 41	1 40	21 42	0 5	20 48	1 33	11 24	10 22	23 26	23 28	7 39	14 9	6 56
S 19	11 18	10 12	5 0	18 53	2 44	4 38	1 20	4 10	0 48	12 51	1 18	18 43	1 40	21 41	0 5	20 48	1 33	11 24	10 22	23 26	23 27	7 37	14 9	6 55
M20	11 38	5 34	5 4	18 47	2 38	4 12	1 23	4 28	0 48	12 52	1 18	18 44	1 40	21 41	0 5	20 48	1 33	11 24	10 22	23 25	23 27	7 34	14 10	6 55
T 21	11 59	0 43	4 56	18 38	2 30	3 45	1 25	4 46	0 48	12 52	1 18	18 46	1 39	21 41	0 5	20 47	1 33	11 25	10 22	23 25	23 27	7 31	14 10	6 54
W22	12 19	4n13	4 34	18 26	2 20	3 19	1 27	5 5	0 47	12 52	1 18	18 48	1 39	21 41	0 5	20 47	1 33	11 25	10 22	23 25	23 27	7 29	14 10	6 53
T 23	12 39	9 2	4 0	18 11	2 10	2 53	1 29	5 23	0 47	12 52	1 18	18 49	1 39	21 40	0 5	20 47	1 33	11 25	10 22	23 24	23 27	7 26	14 10	6 53
F 24	12 59	13 34	3 14	17 54	1 58	2 26	1 30	5 41	0 46	12 52	1 18	18 51	1 39	21 40	0 5	20 47	1 33	11 26	10 21	23 24	23 27	7 24	14 11	6 52
S 25	13 18	17 36	2 18	17 35	1 45	1 59	1 32	5 59	0 46	12 52	1 17	18 52	1 39	21 40	0 5	20 47	1 33	11 26	10 21	23 24	23 27	7 21	14 11	6 51
S 26	13 38	20 54	1 15	17 13	1 32	1 33	1 34	6 17	0 45	12 52	1 17	18 54	1 39	21 39	0 5	20 47	1 33	11 26	10 21	23 24	23 27	7 18	14 11	6 50
M27	13 57	23 13	0 7	16 50	1 17	1 6	1 35	6 34	0 45	12 51	1 17	18 56	1 39	21 39	0 5	20 46	1 33	11 27	10 21	23 24	23 27	7 16	14 11	6 50
T 28	14 16	24 21	1n 3	16 24	1 1	0 39	1 37	6 52	0 44	12 51	1 17	18 57	1 39	21 39	0 5	20 46	1 33	11 27	10 21	23 24	23 27	7 13	14 11	6 49
W29	14 34	24 8	2 11	15 58	0 45	0 12	1 38	7 10	0 44	12 51	1 17	18 59	1 38	21 38	0 5	20 46	1 33	11 27	10 21	23 24	23 27	7 10	14 11	6 48
T 30	14n53	22n30	3n13	15n30	0n28	0n15	1s40	7n27	0s43	12n50	1n17	19n 0	1s38	21s38	0n 5	20s46	1n33	11n28	10s20	23n24	23n27	7s 8	14n11	6s48

Julian Day Number = 2323070.5, Delta T = 44.54 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'50, Lahiri = 18°56'51Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

MAY 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 37 55	11♉ 5'21	17♌31	10°R 5	5♈39	21♈31	29♌35	2♊11	8°R 8	12°R12	7♊59	25°R10	26♊41	24♓ 2	26♋43	F 1
S 2	14 41 51	12° 3'23	1♍42	9♉28	6°50	22°16	29°37	2°18	8♐ 6	12♐11	8° 0	25♊ 8	26°38	24° 9	26°47	S 2
S 3	14 45 48	13° 1'22	16°10	8°51	8° 1	23° 2	29°38	2°26	8° 4	12° 9	8° 1	25° 5	26°35	24°16	26°50	S 3
M 4	14 49 44	13°59'20	0♎53	8°16	9°13	23°47	29°39	2°33	8° 1	12° 8	8° 2	25° 0	26°32	24°23	26°54	M 4
T 5	14 53 41	14°57'16	15°43	7°42	10°24	24°32	29°41	2°41	7°59	12° 6	8° 4	24°54	26°28	24°29	26°58	T 5
W 6	14 57 37	15°55'10	0♏34	7°11	11°35	25°17	29°43	2°48	7°57	12° 5	8° 5	24°48	26°25	24°36	27° 2	W 6
T 7	15 1 34	16°53'03	15°16	6°43	12°47	26° 2	29°45	2°56	7°55	12° 4	8° 6	24°43	26°22	24°43	27° 6	T 7
F 8	15 5 31	17°50'54	29°43	6°18	13°58	26°47	29°47	3° 4	7°52	12° 2	8° 8	24°40	26°19	24°50	27°10	F 8
S 9	15 9 27	18°48'44	13♐48	5°57	15°10	27°32	29°49	3°11	7°50	12° 1	8° 9	24°38	26°16	24°56	27°14	S 9
S 10	15 13 24	19°46'33	27°29	5°40	16°21	28°17	29°52	3°19	7°48	11°59	8°10	24°D37	26°13	25° 3	27°18	S 10
M11	15 17 20	20°44'20	10♑45	5°27	17°33	29° 1	29°55	3°27	7°46	11°58	8°12	24°38	26° 9	25°10	27°22	M11
T 12	15 21 17	21°42'06	23°37	5°19	18°44	29°46	29°58	3°34	7°43	11°56	8°13	24°39	26° 6	25°16	27°27	T 12
W13	15 25 13	22°39'51	6♒ 8	5°D15	19°56	0♉31	0♍ 1	3°42	7°41	11°55	8°14	24°41	26° 3	25°23	27°31	W13
T 14	15 29 10	23°37'34	18°22	5°15	21° 7	1°16	0° 4	3°50	7°38	11°53	8°16	24°R42	26° 0	25°30	27°35	T 14
F 15	15 33 6	24°35'17	0♓24	5°20	22°19	2° 0	0° 7	3°58	7°36	11°52	8°17	24°42	25°57	25°37	27°40	F 15
S 16	15 37 3	25°32'58	12°19	5°30	23°31	2°45	0°11	4° 5	7°34	11°50	8°18	24°41	25°53	25°43	27°45	S 16
S 17	15 41 0	26°30'39	24°11	5°44	24°42	3°29	0°15	4°13	7°31	11°49	8°20	24°38	25°50	25°50	27°49	S 17
M18	15 44 56	27°28'18	6♈ 5	6° 3	25°54	4°14	0°18	4°21	7°29	11°47	8°21	24°35	25°47	25°57	27°54	M18
T 19	15 48 53	28°25'56	18° 4	6°26	27° 6	4°58	0°23	4°29	7°26	11°46	8°22	24°30	25°44	26° 4	27°59	T 19
W20	15 52 49	29°23'33	0♉10	6°53	28°18	5°42	0°27	4°36	7°24	11°44	8°24	24°26	25°41	26°10	28° 4	W20
T 21	15 56 46	0♊21'09	12°27	7°24	29°29	6°27	0°31	4°44	7°22	11°42	8°25	24°22	25°38	26°17	28° 9	T 21
F 22	16 0 42	1°18'44	24°56	8° 0	0♉41	7°11	0°36	4°52	7°19	11°41	8°26	24°19	25°34	26°24	28°14	F 22
S 23	16 4 39	2°16'18	7♊38	8°39	1°53	7°55	0°40	5° 0	7°17	11°39	8°28	24°17	25°31	26°30	28°19	S 23
S 24	16 8 35	3°13'51	20°32	9°22	3° 5	8°39	0°45	5° 8	7°14	11°38	8°29	24°D16	25°28	26°37	28°25	S 24
M25	16 12 32	4°11'23	3♋40	10° 9	4°17	9°23	0°50	5°15	7°12	11°36	8°30	24°17	25°25	26°44	28°30	M25
T 26	16 16 29	5° 8'54	17° 1	11° 0	5°29	10° 7	0°55	5°23	7° 9	11°35	8°32	24°18	25°22	26°51	28°35	T 26
W27	16 20 25	6° 6'23	0♌34	11°54	6°41	10°51	1° 1	5°31	7° 7	11°33	8°33	24°19	25°19	26°57	28°41	W27
T 28	16 24 22	7° 3'51	14°20	12°52	7°53	11°35	1° 6	5°39	7° 4	11°31	8°35	24°20	25°15	27° 4	28°46	T 28
F 29	16 28 18	8° 1'18	28°18	13°53	9° 5	12°19	1°12	5°47	7° 2	11°30	8°36	24°21	25°12	27°11	28°52	F 29
S 30	16 32 15	8°58'43	12♍26	14°57	10°17	13° 3	1°17	5°55	6°59	11°28	8°37	24°R21	25° 9	27°17	28°57	S 30
S 31	16 36 11	9♊56'07	26♍43	16♉ 4	11♉29	13♉47	1♍23	6♊ 2	6♐57	11♐26	8♊39	24♊20	25♊ 6	27♓24	29♋ 3	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15n11	19n30	4n 5	15n 2	0n11	0n42	1s41	7n45	0s43	12n50	1n16	19n 2	1s38	21s38	0n 5	20s46	1n33	11n28	10s20	23n24	23n27	7s 5	14n11	6s47
S 2	15 29	15 18	4 44	14 34	0s 7	1 10	1 42	8 2	0 42	12 49	1 16	19 4	1 38	21 37	0 5	20 45	1 33	11 28	10 20	23 24	23 27	7 3	14 11	6 46
S 3	15 47	10 9	5 5	14 6	0 24	1 37	1 43	8 19	0 42	12 49	1 16	19 5	1 38	21 37	0 5	20 45	1 33	11 29	10 20	23 24	23 26	7 0	14 12	6 46
M 4	16 4	4 21	5 8	13 38	0 41	2 4	1 44	8 37	0 41	12 48	1 16	19 7	1 38	21 37	0 5	20 45	1 33	11 29	10 20	23 23	23 26	6 57	14 11	6 45
T 5	16 21	1s45	4 49	13 11	0 58	2 31	1 45	8 54	0 41	12 47	1 16	19 8	1 38	21 36	0 5	20 45	1 33	11 29	10 20	23 23	23 26	6 55	14 11	6 44
W 6	16 38	7 46	4 11	12 46	1 15	2 58	1 46	9 11	0 40	12 46	1 15	19 10	1 38	21 36	0 5	20 45	1 33	11 30	10 20	23 23	23 26	6 52	14 11	6 44
T 7	16 55	13 18	3 17	12 22	1 30	3 26	1 46	9 28	0 40	12 45	1 15	19 11	1 37	21 36	0 5	20 44	1 33	11 30	10 20	23 23	23 26	6 49	14 11	6 43
F 8	17 11	17 59	2 11	11 59	1 46	3 53	1 47	9 44	0 39	12 44	1 15	19 13	1 37	21 35	0 5	20 44	1 33	11 30	10 19	23 23	23 26	6 47	14 11	6 42
S 9	17 27	21 32	0 59	11 39	2 0	4 20	1 47	10 1	0 38	12 43	1 15	19 15	1 37	21 35	0 5	20 44	1 33	11 31	10 19	23 23	23 26	6 44	14 11	6 42
S 10	17 43	23 43	0s16	11 20	2 14	4 47	1 48	10 18	0 38	12 42	1 15	19 16	1 37	21 35	0 5	20 44	1 33	11 31	10 19	23 23	23 26	6 41	14 11	6 41
M11	17 58	24 30	1 27	11 4	2 26	5 14	1 48	10 34	0 37	12 41	1 15	19 18	1 37	21 34	0 5	20 44	1 33	11 31	10 19	23 23	23 26	6 39	14 11	6 40
T 12	18 13	23 54	2 32	10 50	2 38	5 41	1 49	10 50	0 37	12 40	1 14	19 19	1 37	21 34	0 4	20 43	1 33	11 32	10 19	23 23	23 26	6 36	14 11	6 40
W13	18 28	22 7	3 27	10 39	2 48	6 8	1 49	11 7	0 36	12 39	1 14	19 21	1 37	21 34	0 4	20 43	1 33	11 32	10 19	23 23	23 26	6 33	14 10	6 39
T 14	18 43	19 21	4 12	10 30	2 58	6 35	1 49	11 23	0 36	12 38	1 14	19 22	1 37	21 33	0 4	20 43	1 33	11 32	10 19	23 23	23 25	6 31	14 10	6 38
F 15	18 57	15 47	4 45	10 24	3 7	7 1	1 49	11 39	0 35	12 36	1 14	19 24	1 37	21 33	0 4	20 43	1 33	11 32	10 19	23 23	23 25	6 28	14 10	6 38
S 16	19 11	11 39	5 6	10 20	3 14	7 28	1 49	11 55	0 34	12 35	1 14	19 25	1 37	21 32	0 4	20 43	1 33	11 33	10 19	23 23	23 25	6 25	14 10	6 37
S 17	19 25	7 6	5 13	10 18	3 21	7 54	1 49	12 10	0 34	12 33	1 14	19 27	1 37	21 32	0 4	20 42	1 33	11 33	10 19	23 23	23 25	6 23	14 9	6 37
M18	19 38	2 16	5 6	10 19	3 26	8 20	1 48	12 26	0 33	12 32	1 13	19 28	1 36	21 32	0 4	20 42	1 33	11 33	10 18	23 22	23 25	6 20	14 9	6 36
T 19	19 51	2n40	4 47	10 22	3 30	8 47	1 48	12 41	0 33	12 30	1 13	19 30	1 36	21 31	0 4	20 42	1 33	11 34	10 18	23 22	23 25	6 17	14 9	6 35
W20	20 4	7 35	4 14	10 28	3 34	9 13	1 48	12 57	0 32	12 28	1 13	19 31	1 36	21 31	0 4	20 42	1 33	11 34	10 18	23 22	23 25	6 15	14 8	6 35
T 21	20 16	12 16	3 30	10 36	3 36	9 38	1 47	13 12	0 32	12 27	1 13	19 33	1 36	21 30	0 4	20 42	1 33	11 34	10 18	23 22	23 25	6 12	14 8	6 34
F 22	20 28	16 32	2 34	10 46	3 38	10 4	1 47	13 27	0 31	12 25	1 13	19 34	1 36	21 30	0 4	20 41	1 33	11 34	10 18	23 22	23 25	6 9	14 7	6 34
S 23	20 39	20 8	1 30	10 57	3 39	10 29	1 46	13 42	0 30	12 23	1 13	19 36	1 36	21 30	0 4	20 41	1 33	11 35	10 18	23 22	23 25	6 7	14 7	6 33
S 24	20 51	22 48	0 21	11 11	3 39	10 55	1 46	13 57	0 30	12 21	1 12	19 37	1 36	21 29	0 4	20 41	1 33	11 35	10 18	23 22	23 24	6 4	14 6	6 33
M25	21 1	24 18	0n52	11 27	3 38	11 20	1 45	14 11	0 29	12 19	1 12	19 39	1 36	21 29	0 4	20 41	1 33	11 35	10 18	23 22	23 24	6 1	14 6	6 32
T 26	21 12	24 25	2 2	11 44	3 36	11 44	1 44	14 26	0 28	12 17	1 12	19 40	1 36	21 28	0 4	20 40	1 33	11 35	10 18	23 22	23 24	5 58	14 5	6 31
W27	21 22	23 6	3 7	12 3	3 33	12 9	1 43	14 40	0 28	12 15	1 12	19 42	1 36	21 28	0 4	20 40	1 33	11 36	10 18	23 22	23 24	5 56	14 5	6 31
T 28	21 32	20 25	4 2	12 23	3 30	12 33	1 42	14 54	0 27	12 13	1 12	19 43	1 36	21 28	0 4	20 40	1 33	11 36	10 18	23 22	23 24	5 53	14 4	6 30
F 29	21 41	16 31	4 44	12 45	3 26	12 57	1 41	15 8	0 27	12 11	1 12	19 44	1 36	21 27	0 4	20 40	1 33	11 36	10 18	23 22	23 24	5 50	14 4	6 30
S 30	21 50	11 40	5 9	13 8	3 22	13 21	1 40	15 22	0 26	12 9	1 11	19 46	1 36	21 27	0 4	20 40	1 33	11 36	10 18	23 22	23 24	5 48	14 3	6 29
S 31	21n59	6n 8	5n15	13n33	3s16	13n44	1s39	15n36	0s25	12n 7	1n11	19n47	1s36	21s26	0n 4	20s39	1n33	11n37	10s18	23n22	23n24	5s45	14n 3	6s29

Julian Day Number = 2323100.5, Delta T = 44.48 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'54, Lahiri = 18°56'55Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

JUNE 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 40 8	10♊53'30	11♎ 6	17♉15	12♉41	14♉30	1♍29	6♊10	6°R54	11°R25	8♊40	24°R19	25♊ 3	27♓31	29♋ 9	M 1
T 2	16 44 4	11°50'52	25°31	18°29	13°53	15°14	1°36	6°18	6♐52	11♐23	8°42	24♊18	24°59	27°38	29°15	T 2
W 3	16 48 1	12°48'12	9♏54	19°46	15° 5	15°57	1°42	6°26	6°49	11°22	8°43	24°17	24°56	27°44	29°20	W 3
T 4	16 51 58	13°45'32	24°10	21° 6	16°17	16°41	1°48	6°33	6°47	11°20	8°44	24°15	24°53	27°51	29°26	T 4
F 5	16 55 54	14°42'51	8♐14	22°28	17°29	17°24	1°55	6°41	6°45	11°18	8°46	24°15	24°50	27°58	29°32	F 5
S 6	16 59 51	15°40'09	22° 2	23°54	18°42	18° 8	2° 2	6°49	6°42	11°17	8°47	24°D14	24°47	28° 5	29°38	S 6
S 7	17 3 47	16°37'27	5♑32	25°23	19°54	18°51	2° 9	6°57	6°40	11°15	8°48	24°14	24°44	28°11	29°45	S 7
M 8	17 7 44	17°34'44	18°41	26°55	21° 6	19°34	2°16	7° 4	6°37	11°13	8°50	24°15	24°40	28°18	29°51	M 8
T 9	17 11 40	18°32'01	1♒31	28°29	22°18	20°17	2°23	7°12	6°35	11°12	8°51	24°15	24°37	28°25	29°57	T 9
W10	17 15 37	19°29'17	14° 2	0♊ 7	23°31	21° 1	2°30	7°20	6°32	11°10	8°52	24°16	24°34	28°31	0♌ 3	W10
T 11	17 19 34	20°26'32	26°18	1°47	24°43	21°44	2°37	7°28	6°30	11° 9	8°54	24°16	24°31	28°38	0° 9	T 11
F 12	17 23 30	21°23'48	8♓23	3°30	25°55	22°27	2°45	7°35	6°28	11° 7	8°55	24°17	24°28	28°45	0°16	F 12
S 13	17 27 27	22°21'03	20°19	5°16	27° 8	23°10	2°52	7°43	6°25	11° 6	8°57	24°R17	24°24	28°52	0°22	S 13
S 14	17 31 23	23°18'17	2♈13	7° 4	28°20	23°53	3° 0	7°51	6°23	11° 4	8°58	24°17	24°21	28°58	0°29	S 14
M15	17 35 20	24°15'32	14° 8	8°56	29°32	24°35	3° 8	7°58	6°21	11° 2	8°59	24°D17	24°18	29° 5	0°35	M15
T 16	17 39 16	25°12'46	26° 8	10°50	0♊45	25°18	3°16	8° 6	6°18	11° 1	9° 1	24°17	24°15	29°12	0°42	T 16
W17	17 43 13	26°10'00	8♉19	12°46	1°57	26° 1	3°24	8°13	6°16	10°59	9° 2	24°17	24°12	29°19	0°48	W17
T 18	17 47 9	27° 7'14	20°43	14°45	3°10	26°44	3°32	8°21	6°14	10°58	9° 3	24°17	24° 9	29°25	0°55	T 18
F 19	17 51 6	28° 4'28	3♊22	16°46	4°22	27°26	3°41	8°28	6°12	10°56	9° 5	24°17	24° 5	29°32	1° 2	F 19
S 20	17 55 3	29° 1'42	16°19	18°49	5°35	28° 9	3°49	8°36	6° 9	10°55	9° 6	24°18	24° 2	29°39	1° 8	S 20
S 21	17 58 59	29°58'56	29°34	20°53	6°48	28°51	3°58	8°43	6° 7	10°53	9° 7	24°R18	23°59	29°45	1°15	S 21
M22	18 2 56	0♋56'09	13♋ 5	23° 0	8° 0	29°34	4° 6	8°51	6° 5	10°52	9° 8	24°17	23°56	29°52	1°22	M22
T 23	18 6 52	1°53'22	26°52	25° 8	9°13	0♊16	4°15	8°58	6° 3	10°50	9°10	24°17	23°53	29°59	1°29	T 23
W24	18 10 49	2°50'35	10♌51	27°17	10°25	0°58	4°24	9° 6	6° 1	10°49	9°11	24°16	23°50	0♈ 6	1°36	W24
T 25	18 14 45	3°47'48	25° 0	29°27	11°38	1°41	4°33	9°13	5°59	10°47	9°12	24°15	23°46	0°12	1°43	T 25
F 26	18 18 42	4°45'00	9♍14	1♋37	12°51	2°23	4°42	9°21	5°57	10°46	9°14	24°14	23°43	0°19	1°50	F 26
S 27	18 22 38	5°42'11	23°30	3°48	14° 3	3° 5	4°51	9°28	5°54	10°44	9°15	24°13	23°40	0°26	1°57	S 27
S 28	18 26 35	6°39'23	7♎45	5°58	15°16	3°47	5° 1	9°35	5°52	10°43	9°16	24°D13	23°37	0°32	2° 4	S 28
M29	18 30 32	7°36'34	21°57	8° 8	16°29	4°29	5°10	9°42	5°50	10°41	9°17	24°13	23°34	0°39	2°11	M29
T 30	18 34 28	8♋33'44	6♏ 3	10♋18	17♊42	5♊11	5♍20	9♊50	5♐49	10♐40	9♊19	24♊14	23♊30	0♈46	2♌18	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 7	0n14	5n 2	13n58	3s10	14n 7	1s38	15n50	0s25	12n 4	1n11	19n49	1s35	21s26	0n 4	20s39	1n33	11n37	10s18	23n22	23n24	5s42	14n 2	6s28
T 2	22 15	5s41	4 30	14 25	3 4	14 30	1 37	16 3	0 24	12 2	1 11	19 50	1 35	21 26	0 4	20 39	1 33	11 37	10 18	23 22	23 23	5 40	14 1	6 28
W 3	22 23	11 19	3 41	14 52	2 57	14 53	1 35	16 16	0 23	12 0	1 11	19 51	1 35	21 25	0 4	20 39	1 33	11 37	10 18	23 22	23 23	5 37	14 0	6 27
T 4	22 30	16 17	2 39	15 21	2 49	15 15	1 34	16 29	0 23	11 57	1 11	19 53	1 35	21 25	0 4	20 38	1 33	11 38	10 18	23 22	23 23	5 34	14 0	6 27
F 5	22 36	20 17	1 27	15 50	2 41	15 36	1 32	16 42	0 22	11 55	1 11	19 54	1 35	21 24	0 4	20 38	1 33	11 38	10 18	23 22	23 23	5 31	13 59	6 26
S 6	22 43	23 3	0 12	16 20	2 32	15 58	1 31	16 55	0 22	11 52	1 10	19 55	1 35	21 24	0 4	20 38	1 33	11 38	10 18	23 22	23 23	5 29	13 58	6 26
S 7	22 49	24 24	1s 2	16 50	2 23	16 19	1 29	17 8	0 21	11 49	1 10	19 57	1 35	21 24	0 4	20 38	1 33	11 38	10 18	23 22	23 23	5 26	13 57	6 25
M 8	22 54	24 21	2 11	17 20	2 14	16 40	1 28	17 20	0 20	11 47	1 10	19 58	1 35	21 23	0 4	20 38	1 33	11 38	10 18	23 22	23 23	5 23	13 57	6 25
T 9	22 59	22 59	3 12	17 51	2 4	17 0	1 26	17 32	0 20	11 44	1 10	19 59	1 35	21 23	0 4	20 37	1 33	11 39	10 18	23 22	23 23	5 20	13 56	6 25
W10	23 4	20 30	4 2	18 22	1 53	17 20	1 24	17 44	0 19	11 41	1 10	20 1	1 35	21 22	0 4	20 37	1 33	11 39	10 18	23 22	23 22	5 18	13 55	6 24
T 11	23 8	17 9	4 40	18 53	1 43	17 39	1 22	17 56	0 18	11 39	1 10	20 2	1 35	21 22	0 4	20 37	1 33	11 39	10 18	23 22	23 22	5 15	13 54	6 24
F 12	23 12	13 9	5 5	19 23	1 32	17 58	1 21	18 8	0 18	11 36	1 9	20 3	1 35	21 22	0 4	20 37	1 33	11 39	10 18	23 22	23 22	5 12	13 53	6 23
S 13	23 16	8 41	5 16	19 54	1 21	18 17	1 19	18 20	0 17	11 33	1 9	20 5	1 35	21 21	0 4	20 37	1 33	11 39	10 18	23 22	23 22	5 9	13 52	6 23
S 14	23 19	3 55	5 14	20 24	1 9	18 35	1 17	18 31	0 16	11 30	1 9	20 6	1 35	21 21	0 4	20 36	1 33	11 40	10 18	23 22	23 22	5 7	13 51	6 22
M15	23 22	1n 0	4 58	20 53	0 58	18 52	1 15	18 42	0 16	11 27	1 9	20 7	1 35	21 20	0 4	20 36	1 33	11 40	10 18	23 22	23 22	5 4	13 50	6 22
T 16	23 24	5 56	4 29	21 21	0 46	19 10	1 13	18 53	0 15	11 24	1 9	20 8	1 35	21 20	0 4	20 36	1 33	11 40	10 18	23 22	23 22	5 1	13 49	6 22
W17	23 26	10 42	3 48	21 48	0 35	19 26	1 11	19 4	0 14	11 21	1 9	20 9	1 35	21 20	0 4	20 36	1 33	11 40	10 18	23 22	23 21	4 58	13 48	6 21
T 18	23 27	15 9	2 56	22 13	0 23	19 42	1 9	19 15	0 14	11 18	1 9	20 11	1 35	21 19	0 4	20 36	1 33	11 40	10 18	23 22	23 21	4 56	13 47	6 21
F 19	23 28	19 1	1 53	22 38	0 12	19 58	1 6	19 25	0 13	11 15	1 9	20 12	1 35	21 19	0 4	20 35	1 33	11 40	10 18	23 22	23 21	4 53	13 46	6 21
S 20	23 29	22 3	0 44	23 0	0 1	20 13	1 4	19 35	0 12	11 11	1 8	20 13	1 35	21 19	0 4	20 35	1 33	11 41	10 18	23 22	23 21	4 50	13 45	6 20
S 21	23 29	23 58	0n29	23 21	0n10	20 28	1 2	19 45	0 11	11 8	1 8	20 14	1 35	21 18	0 4	20 35	1 33	11 41	10 18	23 22	23 21	4 47	13 44	6 20
M22	23 29	24 32	1 42	23 39	0 21	20 42	1 0	19 55	0 11	11 5	1 8	20 15	1 35	21 18	0 4	20 35	1 33	11 41	10 18	23 22	23 21	4 45	13 43	6 20
T 23	23 28	23 37	2 51	23 55	0 31	20 56	0 58	20 5	0 10	11 1	1 8	20 16	1 35	21 17	0 4	20 35	1 33	11 41	10 18	23 22	23 21	4 42	13 42	6 19
W24	23 27	21 14	3 50	24 9	0 41	21 9	0 55	20 14	0 9	10 58	1 8	20 18	1 35	21 17	0 4	20 34	1 33	11 41	10 18	23 22	23 20	4 39	13 41	6 19
T 25	23 26	17 33	4 36	24 20	0 50	21 21	0 53	20 24	0 9	10 55	1 8	20 19	1 35	21 17	0 4	20 34	1 33	11 41	10 18	23 22	23 20	4 36	13 40	6 19
F 26	23 24	12 50	5 5	24 28	0 59	21 33	0 51	20 33	0 8	10 51	1 8	20 20	1 35	21 16	0 4	20 34	1 33	11 41	10 18	23 22	23 20	4 34	13 38	6 18
S 27	23 22	7 25	5 16	24 33	1 8	21 44	0 48	20 42	0 7	10 48	1 8	20 21	1 35	21 16	0 4	20 34	1 33	11 42	10 18	23 22	23 20	4 31	13 37	6 18
S 28	23 19	1 37	5 7	24 36	1 15	21 55	0 46	20 50	0 7	10 44	1 7	20 22	1 35	21 16	0 4	20 34	1 33	11 42	10 18	23 22	23 20	4 28	13 36	6 18
M29	23 16	4s14	4 40	24 36	1 22	22 5	0 43	20 59	0 6	10 41	1 7	20 23	1 35	21 15	0 4	20 34	1 33	11 42	10 18	23 22	23 20	4 25	13 35	6 17
T 30	23n12	9s51	3n56	24n33	1n28	22n14	0s41	21n 7	0s 5	10n37	1n 7	20n24	1s35	21s15	0n 4	20s33	1n33	11n42	10s18	23n22	23n20	4s23	13n34	6s17

Julian Day Number = 2323131.5, Delta T = 44.42 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°49'59, Lahiri = 18°56'59Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

JULY 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 38 25	9♋30'55	20♏ 1	12♋27	18♊55	5♊53	5♍29	9♊57	5°R47	10°R39	9♊20	24♊15	23♊27	0♈53	2♌25	W 1
T 2	18 42 21	10°28'05	3♐49	14°35	20° 7	6°35	5°39	10° 4	5♐45	10♐37	9°21	24°16	23°24	0°59	2°32	T 2
F 3	18 46 18	11°25'16	17°26	16°42	21°20	7°16	5°49	10°11	5°43	10°36	9°22	24°17	23°21	1° 6	2°39	F 3
S 4	18 50 14	12°22'26	0♑51	18°47	22°33	7°58	5°58	10°18	5°41	10°35	9°23	24°R17	23°18	1°13	2°46	S 4
S 5	18 54 11	13°19'37	14° 1	20°51	23°46	8°40	6° 8	10°25	5°39	10°33	9°25	24°16	23°15	1°20	2°54	S 5
M 6	18 58 7	14°16'48	26°56	22°54	24°59	9°21	6°18	10°32	5°37	10°32	9°26	24°14	23°11	1°26	3° 1	M 6
T 7	19 2 4	15°13'59	9♒37	24°55	26°12	10° 3	6°29	10°39	5°36	10°31	9°27	24°11	23° 8	1°33	3° 8	T 7
W 8	19 6 1	16°11'10	22° 3	26°54	27°25	10°44	6°39	10°46	5°34	10°30	9°28	24° 8	23° 5	1°40	3°16	W 8
T 9	19 9 57	17° 8'22	4♓17	28°51	28°38	11°25	6°49	10°53	5°32	10°28	9°29	24° 5	23° 2	1°46	3°23	T 9
F 10	19 13 54	18° 5'35	16°20	0♌47	29°51	12° 7	6°59	10°59	5°31	10°27	9°30	24° 1	22°59	1°53	3°30	F 10
S 11	19 17 50	19° 2'48	28°16	2°41	1♋ 4	12°48	7°10	11° 6	5°29	10°26	9°31	23°59	22°56	2° 0	3°38	S 11
S 12	19 21 47	20° 0'01	10♈ 9	4°33	2°17	13°29	7°20	11°13	5°28	10°25	9°33	23°57	22°52	2° 7	3°45	S 12
M13	19 25 43	20°57'16	22° 3	6°23	3°30	14°10	7°31	11°20	5°26	10°24	9°34	23°D57	22°49	2°13	3°52	M13
T 14	19 29 40	21°54'31	4♉ 4	8°12	4°44	14°51	7°42	11°26	5°25	10°23	9°35	23°57	22°46	2°20	4° 0	T 14
W15	19 33 36	22°51'47	16°14	9°58	5°57	15°32	7°53	11°33	5°23	10°21	9°36	23°59	22°43	2°27	4° 7	W15
T 16	19 37 33	23°49'03	28°40	11°43	7°10	16°13	8° 3	11°39	5°22	10°20	9°37	24° 0	22°40	2°33	4°15	T 16
F 17	19 41 30	24°46'21	11♊25	13°26	8°23	16°54	8°14	11°46	5°21	10°19	9°38	24° 2	22°36	2°40	4°22	F 17
S 18	19 45 26	25°43'39	24°32	15° 7	9°37	17°35	8°25	11°52	5°19	10°18	9°39	24°R 2	22°33	2°47	4°30	S 18
S 19	19 49 23	26°40'59	8♋ 1	16°47	10°50	18°16	8°36	11°58	5°18	10°17	9°40	24° 2	22°30	2°54	4°37	S 19
M20	19 53 19	27°38'19	21°54	18°24	12° 3	18°56	8°48	12° 5	5°17	10°16	9°41	23°59	22°27	3° 0	4°45	M20
T 21	19 57 16	28°35'39	6♌ 6	20° 0	13°17	19°37	8°59	12°11	5°16	10°15	9°42	23°56	22°24	3° 7	4°52	T 21
W22	20 1 12	29°33'01	20°32	21°34	14°30	20°18	9°10	12°17	5°15	10°14	9°43	23°51	22°21	3°14	5° 0	W22
T 23	20 5 9	0♌30'23	5♍ 8	23° 7	15°44	20°58	9°21	12°23	5°14	10°14	9°44	23°45	22°17	3°21	5° 7	T 23
F 24	20 9 6	1°27'45	19°46	24°37	16°57	21°39	9°33	12°29	5°13	10°13	9°45	23°40	22°14	3°27	5°15	F 24
S 25	20 13 2	2°25'08	4♎19	26° 6	18°11	22°19	9°44	12°35	5°12	10°12	9°46	23°36	22°11	3°34	5°23	S 25
S 26	20 16 59	3°22'32	18°43	27°32	19°24	22°59	9°56	12°41	5°11	10°11	9°47	23°34	22° 8	3°41	5°30	S 26
M27	20 20 55	4°19'56	2♏54	28°57	20°38	23°39	10° 7	12°47	5°10	10°10	9°47	23°D33	22° 5	3°47	5°38	M27
T 28	20 24 52	5°17'21	16°50	0♍20	21°51	24°20	10°19	12°53	5° 9	10° 9	9°48	23°33	22° 2	3°54	5°45	T 28
W29	20 28 48	6°14'46	0♐32	1°41	23° 5	25° 0	10°31	12°59	5° 8	10° 9	9°49	23°34	21°58	4° 1	5°53	W29
T 30	20 32 45	7°12'12	13°59	3° 0	24°19	25°40	10°42	13° 4	5° 7	10° 8	9°50	23°36	21°55	4° 8	6° 1	T 30
F 31	20 36 41	8♌ 9'40	27♐12	4♍17	25♋32	26♊20	10♍54	13♊10	5♐ 7	10♐ 7	9♊51	23°R36	21♊52	4♈14	6♌ 8	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n 9	14s55	2n58	24n27	1n33	22n23	0s38	21n15	0s 4	10n33	1n 7	20n25	1s35	21s15	0n 4	20s33	1n33	11n42	10s18	23n22	23n19	4s20	13n32	6s17
T 2	23 4	19 9	1 51	24 19	1 38	22 31	0 36	21 23	0 4	10 30	1 7	20 26	1 35	21 14	0 4	20 33	1 33	11 42	10 18	23 22	23 19	4 17	13 31	6 17
F 3	23 0	22 16	0 38	24 8	1 42	22 39	0 33	21 31	0 3	10 26	1 7	20 27	1 35	21 14	0 4	20 33	1 33	11 42	10 18	23 22	23 19	4 14	13 30	6 16
S 4	22 54	24 5	0s36	23 54	1 45	22 46	0 31	21 38	0 2	10 22	1 7	20 28	1 35	21 14	0 4	20 33	1 33	11 42	10 18	23 22	23 19	4 11	13 28	6 16
S 5	22 49	24 31	1 47	23 38	1 48	22 52	0 28	21 46	0 2	10 19	1 7	20 29	1 35	21 13	0 4	20 33	1 33	11 42	10 19	23 22	23 19	4 9	13 27	6 16
M 6	22 43	23 36	2 50	23 20	1 49	22 58	0 26	21 53	0 1	10 15	1 7	20 30	1 35	21 13	0 4	20 33	1 33	11 42	10 19	23 22	23 19	4 6	13 25	6 16
T 7	22 37	21 28	3 44	23 0	1 50	23 3	0 23	22 0	0 0	10 11	1 6	20 31	1 35	21 13	0 4	20 32	1 33	11 43	10 19	23 21	23 18	4 3	13 24	6 15
W 8	22 30	18 23	4 26	22 38	1 51	23 7	0 21	22 6	0n 1	10 7	1 6	20 32	1 35	21 13	0 4	20 32	1 33	11 43	10 19	23 21	23 18	4 0	13 23	6 15
T 9	22 23	14 32	4 55	22 14	1 50	23 11	0 18	22 13	0 1	10 3	1 6	20 33	1 35	21 12	0 4	20 32	1 32	11 43	10 19	23 21	23 18	3 57	13 21	6 15
F 10	22 16	10 10	5 11	21 48	1 49	23 14	0 16	22 19	0 2	9 59	1 6	20 34	1 35	21 12	0 4	20 32	1 32	11 43	10 19	23 21	23 18	3 55	13 20	6 15
S 11	22 8	5 28	5 13	21 21	1 48	23 16	0 13	22 25	0 3	9 55	1 6	20 35	1 35	21 12	0 4	20 32	1 32	11 43	10 19	23 21	23 18	3 52	13 18	6 15
S 12	22 0	0 35	5 1	20 52	1 45	23 17	0 10	22 31	0 3	9 51	1 6	20 36	1 35	21 12	0 4	20 32	1 32	11 43	10 19	23 21	23 18	3 49	13 17	6 14
M13	21 51	4n19	4 37	20 22	1 42	23 18	0 8	22 37	0 4	9 47	1 6	20 37	1 35	21 11	0 4	20 32	1 32	11 43	10 19	23 21	23 17	3 46	13 15	6 14
T 14	21 42	9 8	4 0	19 51	1 39	23 19	0 5	22 42	0 5	9 43	1 6	20 37	1 35	21 11	0 4	20 31	1 32	11 43	10 19	23 21	23 17	3 43	13 14	6 14
W15	21 33	13 39	3 12	19 19	1 35	23 18	0 3	22 48	0 6	9 39	1 6	20 38	1 35	21 11	0 4	20 31	1 32	11 43	10 20	23 21	23 17	3 41	13 12	6 14
T 16	21 23	17 43	2 14	18 45	1 31	23 17	0 0	22 53	0 6	9 35	1 6	20 39	1 35	21 11	0 4	20 31	1 32	11 43	10 20	23 21	23 17	3 38	13 11	6 14
F 17	21 13	21 4	1 8	18 11	1 26	23 15	0n 2	22 58	0 7	9 31	1 6	20 40	1 35	21 10	0 4	20 31	1 32	11 43	10 20	23 21	23 17	3 35	13 9	6 14
S 18	21 2	23 25	0n 3	17 37	1 20	23 13	0 5	23 2	0 8	9 26	1 6	20 41	1 35	21 10	0 4	20 31	1 32	11 43	10 20	23 21	23 17	3 32	13 7	6 13
S 19	20 52	24 30	1 16	17 1	1 15	23 10	0 7	23 7	0 9	9 22	1 5	20 41	1 35	21 10	0 4	20 31	1 32	11 43	10 20	23 21	23 16	3 29	13 6	6 13
M20	20 40	24 6	2 26	16 25	1 8	23 6	0 10	23 11	0 9	9 18	1 5	20 42	1 36	21 10	0 4	20 31	1 32	11 43	10 20	23 21	23 16	3 27	13 4	6 13
T 21	20 29	22 9	3 29	15 49	1 2	23 1	0 12	23 15	0 10	9 14	1 5	20 43	1 36	21 10	0 4	20 31	1 32	11 43	10 20	23 21	23 16	3 24	13 3	6 13
W22	20 17	18 46	4 20	15 12	0 55	22 56	0 15	23 19	0 11	9 9	1 5	20 44	1 36	21 9	0 4	20 31	1 32	11 43	10 20	23 21	23 16	3 21	13 1	6 13
T 23	20 5	14 12	4 54	14 35	0 47	22 50	0 17	23 22	0 12	9 5	1 5	20 45	1 36	21 9	0 4	20 31	1 32	11 43	10 21	23 20	23 16	3 18	12 59	6 13
F 24	19 52	8 48	5 9	13 58	0 40	22 44	0 20	23 26	0 12	9 1	1 5	20 45	1 36	21 9	0 4	20 31	1 32	11 43	10 21	23 20	23 15	3 15	12 58	6 13
S 25	19 39	2 56	5 5	13 20	0 31	22 37	0 22	23 29	0 13	8 56	1 5	20 46	1 36	21 9	0 4	20 30	1 32	11 43	10 21	23 20	23 15	3 12	12 56	6 13
S 26	19 26	3s 1	4 41	12 43	0 23	22 29	0 24	23 32	0 14	8 52	1 5	20 47	1 36	21 9	0 4	20 30	1 32	11 43	10 21	23 20	23 15	3 10	12 54	6 13
M27	19 13	8 44	4 0	12 5	0 14	22 20	0 27	23 35	0 15	8 47	1 5	20 47	1 36	21 9	0 4	20 30	1 32	11 43	10 21	23 20	23 15	3 7	12 52	6 13
T 28	18 59	13 56	3 6	11 28	0 5	22 11	0 29	23 37	0 15	8 43	1 5	20 48	1 36	21 8	0 4	20 30	1 32	11 43	10 21	23 20	23 15	3 4	12 51	6 13
W29	18 45	18 19	2 2	10 50	0s 4	22 1	0 31	23 40	0 16	8 38	1 5	20 49	1 36	21 8	0 4	20 30	1 32	11 43	10 21	23 20	23 14	3 1	12 49	6 13
T 30	18 30	21 40	0 52	10 13	0 13	21 51	0 33	23 42	0 17	8 34	1 5	20 49	1 36	21 8	0 4	20 30	1 32	11 43	10 21	23 20	23 14	2 58	12 47	6 13
F 31	18n16	23s47	0s20	9n36	0s23	21n40	0n36	23n44	0n18	8n29	1n 5	20n50	1s36	21s 8	0n 4	20s30	1n31	11n43	10s22	23n20	23n14	2s55	12n45	6s12

Julian Day Number = 2323161.5, Delta T = 44.36 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'03, Lahiri = 18°57'03Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1648
geocentric

AUGUST 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 40 38	9♌ 7'07	10♉14	5♍32	26♋46	26♊59	11♍ 6	13♊15	5°R 6	10°R 7	9♊52	23°R35	21♊49	4♈21	6♌16	S 1
S 2	20 44 35	10° 4'36	23° 3	6°45	28° 0	27°39	11°18	13°21	5♐ 5	10♐ 6	9°52	23♊31	21°46	4°28	6°23	S 2
M 3	20 48 31	11° 2'06	5♒41	7°56	29°13	28°19	11°30	13°26	5° 5	10° 5	9°53	23°26	21°42	4°34	6°31	M 3
T 4	20 52 28	11°59'37	18° 8	9° 4	0♌27	28°59	11°42	13°32	5° 4	10° 5	9°54	23°18	21°39	4°41	6°39	T 4
W 5	20 56 24	12°57'09	0♓25	10°10	1°41	29°38	11°54	13°37	5° 4	10° 4	9°55	23° 9	21°36	4°48	6°46	W 5
T 6	21 0 21	13°54'42	12°32	11°13	2°55	0♋18	12° 6	13°42	5° 4	10° 4	9°55	23° 0	21°33	4°55	6°54	T 6
F 7	21 4 17	14°52'16	24°32	12°14	4° 9	0°57	12°18	13°47	5° 3	10° 3	9°56	22°51	21°30	5° 1	7° 1	F 7
S 8	21 8 14	15°49'52	6♈26	13°13	5°23	1°37	12°30	13°52	5° 3	10° 3	9°57	22°43	21°27	5° 8	7° 9	S 8
S 9	21 12 10	16°47'29	18°17	14° 8	6°37	2°16	12°43	13°57	5° 3	10° 2	9°57	22°37	21°23	5°15	7°16	S 9
M10	21 16 7	17°45'08	0♉10	15° 0	7°51	2°55	12°55	14° 2	5° 2	10° 2	9°58	22°33	21°20	5°22	7°24	M10
T 11	21 20 3	18°42'48	12° 8	15°50	9° 5	3°34	13° 7	14° 7	5° 2	10° 2	9°58	22°32	21°17	5°28	7°31	T 11
W12	21 24 0	19°40'30	24°16	16°36	10°19	4°14	13°19	14°11	5° 2	10° 1	9°59	22°D31	21°14	5°35	7°39	W12
T 13	21 27 57	20°38'14	6♊40	17°18	11°33	4°53	13°32	14°16	5°D 2	10° 1	10° 0	22°32	21°11	5°42	7°47	T 13
F 14	21 31 53	21°35'59	19°24	17°57	12°47	5°32	13°44	14°20	5° 2	10° 1	10° 0	22°R33	21° 8	5°48	7°54	F 14
S 15	21 35 50	22°33'46	2♋32	18°32	14° 1	6°11	13°57	14°25	5° 2	10° 1	10° 1	22°32	21° 4	5°55	8° 1	S 15
S 16	21 39 46	23°31'35	16° 7	19° 3	15°15	6°49	14° 9	14°29	5° 2	10° 0	10° 1	22°30	21° 1	6° 2	8° 9	S 16
M17	21 43 43	24°29'25	0♌10	19°30	16°29	7°28	14°22	14°34	5° 3	10° 0	10° 2	22°26	20°58	6° 9	8°16	M17
T 18	21 47 39	25°27'17	14°39	19°51	17°43	8° 7	14°34	14°38	5° 3	10° 0	10° 2	22°19	20°55	6°15	8°24	T 18
W19	21 51 36	26°25'10	29°27	20° 9	18°57	8°46	14°47	14°42	5° 3	10° 0	10° 3	22°10	20°52	6°22	8°31	W19
T 20	21 55 33	27°23'05	14♍27	20°20	20°12	9°24	15° 0	14°46	5° 3	10° 0	10° 3	22° 0	20°48	6°29	8°39	T 20
F 21	21 59 29	28°21'01	29°29	20°27	21°26	10° 3	15°12	14°50	5° 4	10° 0	10° 4	21°51	20°45	6°35	8°46	F 21
S 22	22 3 26	29°18'58	14♎24	20°R28	22°40	10°41	15°25	14°54	5° 4	10°D 0	10° 4	21°43	20°42	6°42	8°53	S 22
S 23	22 7 22	0♍16'57	29° 4	20°23	23°55	11°19	15°38	14°58	5° 5	10° 0	10° 4	21°37	20°39	6°49	9° 1	S 23
M24	22 11 19	1°14'57	13♏23	20°12	25° 9	11°58	15°50	15° 1	5° 5	10° 0	10° 5	21°34	20°36	6°56	9° 8	M24
T 25	22 15 15	2°12'59	27°21	19°55	26°23	12°36	16° 3	15° 5	5° 6	10° 0	10° 5	21°D32	20°33	7° 2	9°15	T 25
W26	22 19 12	3°11'02	10♐57	19°32	27°38	13°14	16°16	15° 8	5° 6	10° 0	10° 5	21°33	20°29	7° 9	9°23	W26
T 27	22 23 8	4° 9'07	24°13	19° 3	28°52	13°52	16°29	15°12	5° 7	10° 0	10° 6	21°R33	20°26	7°16	9°30	T 27
F 28	22 27 5	5° 7'12	7♑12	18°27	0♍ 6	14°30	16°41	15°15	5° 8	10° 1	10° 6	21°32	20°23	7°22	9°37	F 28
S 29	22 31 1	6° 5'20	19°56	17°46	1°21	15° 8	16°54	15°18	5° 9	10° 1	10° 6	21°29	20°20	7°29	9°44	S 29
S 30	22 34 58	7° 3'29	2♒28	17° 0	2°35	15°46	17° 7	15°21	5° 9	10° 1	10° 6	21°23	20°17	7°36	9°51	S 30
M31	22 38 55	8♍ 1'39	14♒50	16♍ 9	3♍50	16♋23	17♍20	15♊24	5♐10	10♐ 1	10♊ 7	21♊14	20♊14	7♈43	9♌58	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 1	24s34	1s29	9n 0	0s33	21n28	0n38	23n46	0n19	8n25	1n 5	20n51	1s36	21s 8	0n 4	20s30	1n31	11n43	10s22	23n20	23n14	2s53	12n43	6s12
S 2	17 45	24 1	2 32	8 23	0 43	21 15	0 40	23 47	0 19	8 20	1 5	20 51	1 36	21 8	0 4	20 30	1 31	11 43	10 22	23 20	23 14	2 50	12 42	6 12
M 3	17 30	22 14	3 27	7 48	0 53	21 2	0 42	23 49	0 20	8 16	1 5	20 52	1 36	21 8	0 4	20 30	1 31	11 43	10 22	23 19	23 14	2 47	12 40	6 12
T 4	17 14	19 24	4 11	7 12	1 3	20 49	0 44	23 50	0 21	8 11	1 4	20 52	1 36	21 8	0 4	20 30	1 31	11 43	10 22	23 19	23 13	2 44	12 38	6 12
W 5	16 58	15 45	4 42	6 38	1 14	20 34	0 46	23 51	0 22	8 6	1 4	20 53	1 37	21 8	0 4	20 30	1 31	11 43	10 22	23 18	23 13	2 41	12 36	6 12
T 6	16 41	11 30	5 1	6 4	1 25	20 20	0 48	23 52	0 22	8 2	1 4	20 53	1 37	21 8	0 4	20 30	1 31	11 43	10 23	23 18	23 13	2 38	12 34	6 13
F 7	16 24	6 51	5 6	5 31	1 35	20 4	0 50	23 52	0 23	7 57	1 4	20 54	1 37	21 7	0 3	20 30	1 31	11 43	10 23	23 18	23 13	2 36	12 32	6 13
S 8	16 7	1 59	4 57	4 59	1 46	19 48	0 52	23 53	0 24	7 52	1 4	20 54	1 37	21 7	0 3	20 30	1 31	11 43	10 23	23 17	23 13	2 33	12 30	6 13
S 9	15 50	2n56	4 36	4 27	1 57	19 32	0 54	23 53	0 25	7 47	1 4	20 55	1 37	21 7	0 3	20 30	1 31	11 42	10 23	23 17	23 12	2 30	12 29	6 13
M10	15 32	7 46	4 3	3 57	2 8	19 15	0 56	23 53	0 26	7 43	1 4	20 55	1 37	21 7	0 3	20 30	1 31	11 42	10 23	23 17	23 12	2 27	12 27	6 13
T 11	15 15	12 21	3 19	3 28	2 19	18 57	0 58	23 53	0 26	7 38	1 4	20 56	1 37	21 7	0 3	20 30	1 31	11 42	10 23	23 16	23 12	2 24	12 25	6 13
W12	14 57	16 32	2 25	3 0	2 29	18 39	0 59	23 52	0 27	7 33	1 4	20 56	1 37	21 7	0 3	20 30	1 31	11 42	10 24	23 16	23 12	2 21	12 23	6 13
T 13	14 38	20 5	1 24	2 34	2 40	18 20	1 1	23 52	0 28	7 28	1 4	20 57	1 37	21 7	0 3	20 30	1 31	11 42	10 24	23 16	23 11	2 18	12 21	6 13
F 14	14 20	22 47	0 17	2 9	2 51	18 1	1 3	23 51	0 29	7 24	1 4	20 57	1 37	21 7	0 3	20 30	1 31	11 42	10 24	23 17	23 11	2 16	12 19	6 13
S 15	14 1	24 21	0n53	1 46	3 1	17 41	1 4	23 50	0 30	7 19	1 4	20 58	1 37	21 7	0 3	20 30	1 31	11 42	10 24	23 16	23 11	2 13	12 17	6 13
S 16	13 42	24 32	2 2	1 25	3 11	17 20	1 6	23 49	0 30	7 14	1 4	20 58	1 37	21 7	0 3	20 30	1 31	11 42	10 24	23 16	23 11	2 10	12 15	6 13
M17	13 23	23 11	3 6	1 5	3 21	17 0	1 7	23 48	0 31	7 9	1 4	20 59	1 38	21 7	0 3	20 30	1 31	11 42	10 24	23 16	23 11	2 7	12 13	6 13
T 18	13 4	20 18	4 0	0 48	3 31	16 38	1 9	23 46	0 32	7 4	1 4	20 59	1 38	21 8	0 3	20 30	1 31	11 42	10 25	23 16	23 10	2 4	12 11	6 13
W19	12 44	16 3	4 40	0 33	3 40	16 17	1 10	23 44	0 33	6 59	1 4	20 59	1 38	21 8	0 3	20 30	1 30	11 42	10 25	23 15	23 10	2 1	12 9	6 14
T 20	12 24	10 45	5 0	0 20	3 48	15 54	1 11	23 43	0 34	6 54	1 4	21 0	1 38	21 8	0 3	20 30	1 30	11 41	10 25	23 15	23 10	1 58	12 7	6 14
F 21	12 4	4 47	5 0	0 10	3 56	15 32	1 13	23 41	0 34	6 49	1 4	21 0	1 38	21 8	0 3	20 30	1 30	11 41	10 25	23 14	23 10	1 55	12 5	6 14
S 22	11 44	1s23	4 40	0 3	4 4	15 9	1 14	23 38	0 35	6 44	1 4	21 0	1 38	21 8	0 3	20 30	1 30	11 41	10 25	23 14	23 10	1 53	12 3	6 14
S 23	11 24	7 24	4 1	0s 1	4 10	14 45	1 15	23 36	0 36	6 40	1 4	21 1	1 38	21 8	0 3	20 30	1 30	11 41	10 25	23 13	23 9	1 50	12 1	6 14
M24	11 3	12 54	3 8	0 2	4 16	14 21	1 16	23 33	0 37	6 35	1 4	21 1	1 38	21 8	0 3	20 30	1 30	11 41	10 26	23 13	23 9	1 47	11 59	6 14
T 25	10 42	17 35	2 5	0n 1	4 20	13 57	1 17	23 31	0 38	6 30	1 4	21 1	1 38	21 8	0 3	20 30	1 30	11 41	10 26	23 13	23 9	1 44	11 57	6 15
W26	10 21	21 12	0 56	0 7	4 23	13 32	1 18	23 28	0 38	6 25	1 4	21 2	1 38	21 8	0 3	20 30	1 30	11 41	10 26	23 13	23 9	1 41	11 55	6 15
T 27	10 0	23 36	0s14	0 17	4 25	13 7	1 19	23 25	0 39	6 20	1 4	21 2	1 38	21 8	0 3	20 31	1 30	11 40	10 26	23 13	23 8	1 38	11 53	6 15
F 28	9 39	24 39	1 22	0 30	4 26	12 42	1 20	23 21	0 40	6 15	1 4	21 2	1 39	21 9	0 3	20 31	1 30	11 40	10 26	23 13	23 8	1 35	11 51	6 15
S 29	9 18	24 23	2 24	0 47	4 24	12 16	1 21	23 18	0 41	6 10	1 4	21 2	1 39	21 9	0 3	20 31	1 30	11 40	10 27	23 13	23 8	1 32	11 49	6 15
S 30	8 56	22 52	3 18	1 8	4 21	11 50	1 21	23 15	0 42	6 5	1 4	21 3	1 39	21 9	0 3	20 31	1 30	11 40	10 27	23 12	23 8	1 30	11 47	6 16
M31	8n35	20s16	4s 2	1n32	4s16	11n24	1n22	23n11	0n43	6n 0	1n 4	21n 3	1s39	21s 9	0n 3	20s31	1n30	11n40	10s27	23n12	23n 7	1s27	11n44	6s16

Julian Day Number = 2323192.5, Delta T = 44.30 sec
Ecliptic obliquity = 23°29'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'07, Lahiri = 18°57'07Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

SEPTEMBER 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 42 51	8♍59'51	27♒ 4	15°R14	5♍ 4	17♋ 1	17♍33	15♊27	5♐11	10♐ 2	10♊ 7	21°R 3	20♊10	7♈49	10♌ 6	T 1
W 2	22 46 48	9°58'04	9♓10	14♍16	6°19	17°38	17°46	15°30	5°12	10° 2	10° 7	20♊50	20° 7	7°56	10°13	W 2
T 3	22 50 44	10°56'20	21°11	13°17	7°33	18°16	17°59	15°33	5°13	10° 3	10° 7	20°37	20° 4	8° 3	10°20	T 3
F 4	22 54 41	11°54'37	3♈ 6	12°17	8°48	18°53	18°12	15°35	5°14	10° 3	10° 7	20°23	20° 1	8° 9	10°27	F 4
S 5	22 58 37	12°52'56	14°58	11°17	10° 2	19°31	18°25	15°38	5°15	10° 3	10° 7	20°11	19°58	8°16	10°33	S 5
S 6	23 2 34	13°51'17	26°48	10°20	11°17	20° 8	18°38	15°40	5°17	10° 4	10° 7	20° 1	19°54	8°23	10°40	S 6
M 7	23 6 30	14°49'40	8♉40	9°26	12°31	20°45	18°50	15°42	5°18	10° 4	10° 7	19°54	19°51	8°30	10°47	M 7
T 8	23 10 27	15°48'06	20°37	8°37	13°46	21°22	19° 3	15°45	5°19	10° 5	10° 7	19°50	19°48	8°36	10°54	T 8
W 9	23 14 24	16°46'33	2♊43	7°54	15° 1	21°59	19°16	15°47	5°20	10° 6	10°R 7	19°48	19°45	8°43	11° 1	W 9
T 10	23 18 20	17°45'03	15° 4	7°19	16°15	22°36	19°29	15°49	5°22	10° 6	10° 7	19°48	19°42	8°50	11° 8	T 10
F 11	23 22 17	18°43'35	27°43	6°51	17°30	23°13	19°42	15°51	5°23	10° 7	10° 7	19°48	19°39	8°56	11°14	F 11
S 12	23 26 13	19°42'09	10♋47	6°32	18°45	23°50	19°55	15°52	5°25	10° 8	10° 7	19°47	19°35	9° 3	11°21	S 12
S 13	23 30 10	20°40'45	24°19	6°D23	20° 0	24°26	20° 8	15°54	5°26	10° 8	10° 7	19°44	19°32	9°10	11°27	S 13
M14	23 34 6	21°39'24	8♌20	6°23	21°14	25° 3	20°21	15°56	5°28	10° 9	10° 7	19°39	19°29	9°17	11°34	M14
T 15	23 38 3	22°38'05	22°51	6°33	22°29	25°40	20°34	15°57	5°29	10°10	10° 7	19°31	19°26	9°23	11°41	T 15
W16	23 41 59	23°36'47	7♍46	6°53	23°44	26°16	20°47	15°58	5°31	10°11	10° 7	19°21	19°23	9°30	11°47	W16
T 17	23 45 56	24°35'32	22°58	7°22	24°59	26°52	21° 0	16° 0	5°33	10°11	10° 7	19°10	19°19	9°37	11°53	T 17
F 18	23 49 53	25°34'19	8♎16	8° 0	26°13	27°28	21°13	16° 1	5°35	10°12	10° 7	18°59	19°16	9°43	12° 0	F 18
S 19	23 53 49	26°33'07	23°29	8°47	27°28	28° 5	21°26	16° 2	5°36	10°13	10° 6	18°49	19°13	9°50	12° 6	S 19
S 20	23 57 46	27°31'58	8♏26	9°41	28°43	28°41	21°39	16° 3	5°38	10°14	10° 6	18°42	19°10	9°57	12°12	S 20
M21	0 1 42	28°30'50	23° 0	10°44	29°58	29°17	21°52	16° 3	5°40	10°15	10° 6	18°38	19° 7	10° 4	12°19	M21
T 22	0 5 39	29°29'45	7♐ 7	11°53	1♎13	29°52	22° 5	16° 4	5°42	10°16	10° 6	18°36	19° 4	10°10	12°25	T 22
W23	0 9 35	0♎28'41	20°48	13° 8	2°28	0♌28	22°18	16° 5	5°44	10°17	10° 5	18°D36	19° 0	10°17	12°31	W23
T 24	0 13 32	1°27'38	4♑ 3	14°29	3°42	1° 4	22°31	16° 5	5°46	10°18	10° 5	18°R36	18°57	10°24	12°37	T 24
F 25	0 17 28	2°26'38	16°57	15°54	4°57	1°39	22°44	16° 6	5°48	10°19	10° 5	18°35	18°54	10°30	12°43	F 25
S 26	0 21 25	3°25'39	29°33	17°24	6°12	2°15	22°57	16° 6	5°50	10°20	10° 4	18°32	18°51	10°37	12°49	S 26
S 27	0 25 22	4°24'42	11♒55	18°57	7°27	2°50	23° 9	16° 6	5°53	10°22	10° 4	18°27	18°48	10°44	12°54	S 27
M28	0 29 18	5°23'47	24° 7	20°33	8°42	3°25	23°22	16°R 6	5°55	10°23	10° 4	18°19	18°45	10°51	13° 0	M28
T 29	0 33 15	6°22'54	6♓10	22°12	9°57	4° 1	23°35	16° 6	5°57	10°24	10° 3	18° 8	18°41	10°57	13° 6	T 29
W30	0 37 11	7♎22'02	18♓ 9	23♍52	11♎12	4♌36	23♍48	16♊ 6	5♐59	10♐25	10♊ 3	17♊56	18♊38	11♈ 4	13♌12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n13	16s48	4s34	1n59	4s10	10n57	1n22	23n 7	0n43	5n55	1n 4	21n 3	1s39	21s 9	0n 3	20s31	1n30	11n40	10s27	23n11	23n 7	1s24	11n42	6s16
W 2	7 51	12 41	4 54	2 30	4 1	10 30	1 23	23 3	0 44	5 50	1 4	21 3	1 39	21 9	0 3	20 31	1 30	11 40	10 27	23 10	23 7	1 21	11 40	6 16
T 3	7 29	8 5	5 0	3 2	3 50	10 3	1 23	22 59	0 45	5 44	1 4	21 3	1 39	21 10	0 3	20 31	1 30	11 39	10 28	23 9	23 7	1 18	11 38	6 17
F 4	7 6	3 14	4 53	3 37	3 38	9 35	1 24	22 54	0 46	5 39	1 4	21 4	1 39	21 10	0 3	20 31	1 30	11 39	10 28	23 8	23 7	1 15	11 36	6 17
S 5	6 44	1n43	4 33	4 13	3 23	9 7	1 24	22 50	0 47	5 34	1 4	21 4	1 39	21 10	0 3	20 31	1 30	11 39	10 28	23 7	23 6	1 12	11 34	6 17
S 6	6 22	6 36	4 1	4 49	3 8	8 39	1 24	22 45	0 48	5 29	1 4	21 4	1 40	21 10	0 3	20 32	1 29	11 39	10 28	23 7	23 6	1 9	11 32	6 17
M 7	5 59	11 17	3 19	5 25	2 50	8 11	1 25	22 41	0 48	5 24	1 4	21 4	1 40	21 11	0 3	20 32	1 29	11 39	10 28	23 6	23 6	1 6	11 30	6 18
T 8	5 37	15 34	2 28	6 0	2 32	7 42	1 25	22 36	0 49	5 19	1 4	21 4	1 40	21 11	0 3	20 32	1 29	11 39	10 28	23 6	23 6	1 4	11 28	6 18
W 9	5 14	19 17	1 29	6 34	2 13	7 13	1 25	22 31	0 50	5 14	1 4	21 4	1 40	21 11	0 3	20 32	1 29	11 38	10 29	23 6	23 5	1 1	11 26	6 18
T 10	4 51	22 14	0 25	7 5	1 54	6 44	1 25	22 25	0 51	5 9	1 4	21 4	1 40	21 11	0 3	20 32	1 29	11 38	10 29	23 6	23 5	0 58	11 24	6 19
F 11	4 28	24 10	0n42	7 34	1 34	6 15	1 25	22 20	0 52	5 4	1 4	21 4	1 40	21 12	0 3	20 32	1 29	11 38	10 29	23 6	23 5	0 55	11 22	6 19
S 12	4 5	24 51	1 48	7 59	1 14	5 46	1 25	22 15	0 53	4 59	1 4	21 4	1 40	21 12	0 3	20 32	1 29	11 38	10 29	23 5	23 5	0 52	11 19	6 19
S 13	3 42	24 6	2 51	8 20	0 55	5 16	1 25	22 9	0 54	4 54	1 4	21 5	1 40	21 12	0 3	20 33	1 29	11 38	10 29	23 5	23 4	0 49	11 17	6 20
M14	3 19	21 51	3 46	8 38	0 36	4 46	1 24	22 3	0 54	4 49	1 4	21 5	1 40	21 12	0 3	20 33	1 29	11 37	10 30	23 5	23 4	0 46	11 15	6 20
T 15	2 56	18 9	4 29	8 51	0 18	4 16	1 24	21 57	0 55	4 44	1 4	21 5	1 41	21 13	0 3	20 33	1 29	11 37	10 30	23 4	23 4	0 43	11 13	6 20
W16	2 32	13 13	4 54	9 0	0 1	3 46	1 24	21 51	0 56	4 38	1 4	21 5	1 41	21 13	0 3	20 33	1 29	11 37	10 30	23 3	23 4	0 40	11 11	6 21
T 17	2 9	7 23	5 0	9 4	0n16	3 16	1 23	21 45	0 57	4 33	1 4	21 5	1 41	21 13	0 3	20 33	1 29	11 37	10 30	23 3	23 3	0 37	11 9	6 21
F 18	1 46	1 3	4 44	9 4	0 31	2 46	1 23	21 39	0 58	4 28	1 4	21 5	1 41	21 14	0 3	20 33	1 29	11 37	10 30	23 2	23 3	0 34	11 7	6 21
S 19	1 22	5s18	4 8	8 59	0 44	2 16	1 22	21 33	0 59	4 23	1 4	21 5	1 41	21 14	0 3	20 34	1 29	11 36	10 30	23 1	23 3	0 32	11 5	6 22
S 20	0 59	11 16	3 15	8 50	0 57	1 45	1 21	21 26	1 0	4 18	1 4	21 5	1 41	21 14	0 3	20 34	1 29	11 36	10 31	23 0	23 3	0 29	11 3	6 22
M21	0 36	16 27	2 11	8 36	1 8	1 15	1 21	21 20	1 1	4 13	1 4	21 5	1 41	21 15	0 3	20 34	1 29	11 36	10 31	23 0	23 2	0 26	11 1	6 23
T 22	0 12	20 33	1 0	8 19	1 18	0 44	1 20	21 13	1 1	4 8	1 4	21 5	1 41	21 15	0 3	20 34	1 29	11 36	10 31	23 0	23 2	0 23	10 59	6 23
W23	0s11	23 22	0s12	7 58	1 27	0 14	1 19	21 6	1 2	4 3	1 5	21 5	1 41	21 15	0 3	20 34	1 29	11 36	10 31	23 0	23 2	0 20	10 57	6 23
T 24	0 35	24 46	1 21	7 34	1 34	0s17	1 18	20 59	1 3	3 58	1 5	21 4	1 41	21 16	0 3	20 35	1 28	11 35	10 31	23 0	23 2	0 17	10 55	6 24
F 25	0 58	24 47	2 24	7 7	1 40	0 47	1 17	20 52	1 4	3 53	1 5	21 4	1 42	21 16	0 3	20 35	1 28	11 35	10 32	23 0	23 1	0 14	10 53	6 24
S 26	1 22	23 31	3 19	6 36	1 45	1 18	1 16	20 45	1 5	3 48	1 5	21 4	1 42	21 16	0 3	20 35	1 28	11 35	10 32	22 59	23 1	0 11	10 51	6 25
S 27	1 45	21 8	4 3	6 3	1 49	1 49	1 15	20 38	1 6	3 43	1 5	21 4	1 42	21 17	0 3	20 35	1 28	11 35	10 32	22 59	23 1	0 8	10 48	6 25
M28	2 9	17 50	4 35	5 28	1 52	2 19	1 14	20 31	1 7	3 38	1 5	21 4	1 42	21 17	0 3	20 36	1 28	11 34	10 32	22 58	23 0	0 5	10 46	6 26
T 29	2 32	13 49	4 55	4 51	1 54	2 50	1 13	20 23	1 8	3 33	1 5	21 4	1 42	21 18	0 3	20 36	1 28	11 34	10 32	22 57	23 0	0 2	10 44	6 26
W30	2s56	9s19	5s 1	4n12	1n55	3s20	1n12	20n16	1n 9	3n28	1n 5	21n 4	1s42	21s18	0n 3	20s36	1n28	11n34	10s32	22n56	23n 0	0n 1	10n42	6s27

Julian Day Number = 2323223.5, Delta T = 44.24 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'11, Lahiri = 18°57'12Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

OCTOBER 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 41 8	8♎21'13	0♈ 4	25♍34	12♎27	5♌10	24♍ 1	16°R 5	6♐ 2	10♐26	10°R 2	17°R43	18♊35	11♈11	13♌17	T 1
F 2	0 45 4	9°20'25	11°56	27°17	13°42	5°45	24°13	16♊ 5	6° 4	10°28	10♊ 2	17♊30	18°32	11°17	13°23	F 2
S 3	0 49 1	10°19'40	23°48	29° 1	14°57	6°20	24°26	16° 4	6° 6	10°29	10° 1	17°18	18°29	11°24	13°28	S 3
S 4	0 52 57	11°18'56	5♉40	0♎46	16°12	6°55	24°39	16° 4	6° 9	10°30	10° 1	17° 9	18°25	11°31	13°33	S 4
M 5	0 56 54	12°18'15	17°35	2°31	17°27	7°29	24°52	16° 3	6°11	10°32	10° 0	17° 2	18°22	11°38	13°39	M 5
T 6	1 0 50	13°17'36	29°35	4°16	18°42	8° 4	25° 4	16° 2	6°14	10°33	10° 0	16°58	18°19	11°44	13°44	T 6
W 7	1 4 47	14°17'00	11♊44	6° 1	19°57	8°38	25°17	16° 1	6°16	10°35	9°59	16°D56	18°16	11°51	13°49	W 7
T 8	1 8 44	15°16'26	24° 5	7°46	21°12	9°12	25°30	16° 0	6°19	10°36	9°59	16°57	18°13	11°58	13°54	T 8
F 9	1 12 40	16°15'54	6♋43	9°31	22°26	9°46	25°42	15°59	6°22	10°38	9°58	16°57	18°10	12° 4	13°59	F 9
S 10	1 16 37	17°15'24	19°42	11°15	23°41	10°20	25°55	15°58	6°24	10°39	9°57	16°R58	18° 6	12°11	14° 4	S 10
S 11	1 20 33	18°14'57	3♌ 7	12°59	24°57	10°54	26° 7	15°56	6°27	10°41	9°57	16°56	18° 3	12°18	14° 9	S 11
M12	1 24 30	19°14'32	16°59	14°43	26°12	11°28	26°20	15°55	6°30	10°42	9°56	16°53	18° 0	12°25	14°14	M12
T 13	1 28 26	20°14'09	1♍19	16°26	27°27	12° 1	26°32	15°53	6°33	10°44	9°55	16°48	17°57	12°31	14°19	T 13
W14	1 32 23	21°13'49	16° 6	18° 9	28°42	12°35	26°44	15°51	6°35	10°45	9°55	16°41	17°54	12°38	14°23	W14
T 15	1 36 19	22°13'31	1♎12	19°51	29°57	13° 8	26°57	15°50	6°38	10°47	9°54	16°32	17°51	12°45	14°28	T 15
F 16	1 40 16	23°13'14	16°28	21°32	1♏12	13°41	27° 9	15°48	6°41	10°49	9°53	16°24	17°47	12°51	14°32	F 16
S 17	1 44 13	24°13'00	1♏45	23°13	2°27	14°14	27°21	15°46	6°44	10°50	9°52	16°17	17°44	12°58	14°37	S 17
S 18	1 48 9	25°12'48	16°50	24°53	3°42	14°47	27°34	15°43	6°47	10°52	9°52	16°11	17°41	13° 5	14°41	S 18
M19	1 52 6	26°12'38	1♐35	26°33	4°57	15°20	27°46	15°41	6°50	10°54	9°51	16° 8	17°38	13°12	14°45	M19
T 20	1 56 2	27°12'30	15°54	28°12	6°12	15°53	27°58	15°39	6°53	10°55	9°50	16°D 7	17°35	13°18	14°49	T 20
W21	1 59 59	28°12'23	29°44	29°51	7°27	16°25	28°10	15°36	6°56	10°57	9°49	16° 8	17°31	13°25	14°53	W21
T 22	2 3 55	29°12'18	13♑ 7	1♏29	8°42	16°58	28°22	15°34	6°59	10°59	9°49	16° 9	17°28	13°32	14°57	T 22
F 23	2 7 52	0♏12'15	26° 5	3° 7	9°57	17°30	28°34	15°31	7° 2	11° 1	9°48	16°R10	17°25	13°38	15° 1	F 23
S 24	2 11 48	1°12'13	8♒42	4°44	11°12	18° 2	28°46	15°28	7° 5	11° 3	9°47	16°10	17°22	13°45	15° 5	S 24
S 25	2 15 45	2°12'13	21° 1	6°20	12°27	18°34	28°58	15°26	7° 9	11° 4	9°46	16° 8	17°19	13°52	15° 8	S 25
M26	2 19 42	3°12'15	3♓ 9	7°56	13°42	19° 6	29°10	15°23	7°12	11° 6	9°45	16° 4	17°16	13°58	15°12	M26
T 27	2 23 38	4°12'18	15° 7	9°32	14°57	19°37	29°21	15°20	7°15	11° 8	9°44	15°58	17°12	14° 5	15°15	T 27
W28	2 27 35	5°12'23	27° 1	11° 7	16°12	20° 9	29°33	15°17	7°18	11°10	9°43	15°51	17° 9	14°12	15°19	W28
T 29	2 31 31	6°12'29	8♈53	12°42	17°27	20°40	29°45	15°13	7°21	11°12	9°42	15°43	17° 6	14°19	15°22	T 29
F 30	2 35 28	7°12'38	20°45	14°16	18°42	21°11	29°56	15°10	7°25	11°14	9°41	15°36	17° 3	14°25	15°25	F 30
S 31	2 39 24	8♏12'48	2♉39	15♏50	19♏57	21♌42	0♎ 8	15♊ 7	7♐28	11♐16	9♊40	15♊29	17♊ 0	14♈32	15♌28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3s19	4s28	4s54	3n32	1n55	3s51	1n10	20n 8	1n10	3n23	1n 5	21n 4	1s42	21s19	0n 3	20s36	1n28	11n34	10s33	22n55	23n 0	0n 3	10n40	6s27
F 2	3 43	0n31	4 35	2 50	1 55	4 21	1 9	20 1	1 11	3 18	1 5	21 4	1 42	21 19	0 3	20 36	1 28	11 34	10 33	22 54	22 59	0 6	10 38	6 28
S 3	4 6	5 29	4 3	2 8	1 54	4 51	1 8	19 53	1 12	3 13	1 5	21 3	1 42	21 19	0 3	20 37	1 28	11 33	10 33	22 53	22 59	0 9	10 36	6 28
S 4	4 29	10 17	3 21	1 24	1 52	5 22	1 6	19 45	1 12	3 8	1 5	21 3	1 43	21 20	0 3	20 37	1 28	11 33	10 33	22 52	22 59	0 12	10 35	6 29
M 5	4 52	14 43	2 30	0 40	1 49	5 52	1 5	19 37	1 13	3 3	1 5	21 3	1 43	21 20	0 3	20 37	1 28	11 33	10 33	22 51	22 59	0 15	10 33	6 29
T 6	5 15	18 37	1 31	0s 4	1 46	6 22	1 3	19 29	1 14	2 58	1 5	21 3	1 43	21 21	0 3	20 37	1 28	11 33	10 33	22 51	22 58	0 18	10 31	6 30
W 7	5 39	21 47	0 28	0 49	1 43	6 52	1 2	19 21	1 15	2 53	1 5	21 3	1 43	21 21	0 3	20 38	1 28	11 32	10 33	22 51	22 58	0 21	10 29	6 30
T 8	6 2	23 59	0n38	1 34	1 39	7 21	1 0	19 13	1 16	2 48	1 5	21 3	1 43	21 22	0 3	20 38	1 28	11 32	10 34	22 51	22 58	0 24	10 27	6 31
F 9	6 25	25 2	1 44	2 20	1 34	7 51	0 58	19 5	1 17	2 43	1 6	21 2	1 43	21 22	0 3	20 38	1 28	11 32	10 34	22 51	22 57	0 27	10 25	6 31
S 10	6 47	24 46	2 46	3 5	1 30	8 20	0 57	18 56	1 18	2 38	1 6	21 2	1 43	21 23	0 3	20 38	1 28	11 32	10 34	22 51	22 57	0 30	10 23	6 32
S 11	7 10	23 5	3 41	3 50	1 25	8 50	0 55	18 48	1 19	2 33	1 6	21 2	1 43	21 23	0 3	20 39	1 28	11 32	10 34	22 51	22 57	0 33	10 21	6 32
M12	7 33	19 59	4 25	4 35	1 19	9 19	0 53	18 40	1 20	2 28	1 6	21 2	1 43	21 23	0 3	20 39	1 28	11 31	10 34	22 50	22 57	0 36	10 19	6 33
T 13	7 55	15 36	4 55	5 20	1 14	9 47	0 51	18 31	1 21	2 23	1 6	21 1	1 43	21 24	0 3	20 39	1 28	11 31	10 34	22 50	22 56	0 39	10 17	6 33
W14	8 18	10 11	5 5	6 5	1 8	10 16	0 49	18 23	1 22	2 18	1 6	21 1	1 43	21 24	0 3	20 39	1 28	11 31	10 34	22 49	22 56	0 42	10 16	6 34
T 15	8 40	4 3	4 56	6 49	1 2	10 44	0 47	18 14	1 23	2 14	1 6	21 1	1 44	21 25	0 3	20 40	1 27	11 31	10 35	22 48	22 56	0 45	10 14	6 34
F 16	9 2	2s25	4 25	7 33	0 56	11 12	0 45	18 6	1 24	2 9	1 6	21 1	1 44	21 25	0 3	20 40	1 27	11 30	10 35	22 47	22 55	0 48	10 12	6 35
S 17	9 24	8 44	3 35	8 16	0 50	11 40	0 43	17 57	1 25	2 4	1 6	21 0	1 44	21 26	0 3	20 40	1 27	11 30	10 35	22 47	22 55	0 50	10 10	6 36
S 18	9 46	14 29	2 31	8 59	0 44	12 8	0 41	17 48	1 26	1 59	1 6	21 0	1 44	21 26	0 3	20 41	1 27	11 30	10 35	22 46	22 55	0 53	10 8	6 36
M19	10 8	19 15	1 18	9 41	0 37	12 35	0 39	17 39	1 27	1 55	1 7	21 0	1 44	21 27	0 3	20 41	1 27	11 30	10 35	22 46	22 55	0 56	10 7	6 37
T 20	10 30	22 43	0 1	10 23	0 31	13 2	0 37	17 31	1 28	1 50	1 7	20 59	1 44	21 27	0 3	20 41	1 27	11 29	10 35	22 46	22 54	0 59	10 5	6 37
W21	10 51	24 42	1s13	11 4	0 24	13 29	0 35	17 22	1 29	1 45	1 7	20 59	1 44	21 28	0 3	20 41	1 27	11 29	10 35	22 46	22 54	1 2	10 3	6 38
T 22	11 13	25 10	2 20	11 45	0 17	13 55	0 32	17 13	1 30	1 40	1 7	20 59	1 44	21 29	0 3	20 42	1 27	11 29	10 35	22 46	22 54	1 5	10 1	6 38
F 23	11 34	24 14	3 19	12 25	0 11	14 21	0 30	17 4	1 31	1 36	1 7	20 58	1 44	21 29	0 3	20 42	1 27	11 29	10 36	22 46	22 53	1 8	10 0	6 39
S 24	11 55	22 4	4 6	13 4	0 4	14 47	0 28	16 55	1 32	1 31	1 7	20 58	1 44	21 30	0 3	20 42	1 27	11 29	10 36	22 46	22 53	1 11	9 58	6 40
S 25	12 16	18 56	4 40	13 42	0s 3	15 12	0 26	16 46	1 33	1 26	1 7	20 58	1 44	21 30	0 3	20 43	1 27	11 28	10 36	22 46	22 53	1 14	9 56	6 40
M26	12 36	15 3	5 1	14 20	0 10	15 37	0 23	16 37	1 34	1 22	1 7	20 57	1 44	21 31	0 3	20 43	1 27	11 28	10 36	22 45	22 52	1 17	9 55	6 41
T 27	12 57	10 37	5 9	14 57	0 16	16 1	0 21	16 28	1 36	1 17	1 7	20 57	1 44	21 31	0 3	20 43	1 27	11 28	10 36	22 45	22 52	1 20	9 53	6 42
W28	13 17	5 49	5 3	15 34	0 23	16 25	0 19	16 19	1 37	1 13	1 8	20 56	1 44	21 32	0 3	20 43	1 27	11 28	10 36	22 44	22 52	1 23	9 52	6 42
T 29	13 37	0 50	4 44	16 9	0 30	16 49	0 16	16 10	1 38	1 8	1 8	20 56	1 44	21 32	0 3	20 44	1 27	11 27	10 36	22 43	22 52	1 26	9 50	6 43
F 30	13 57	4n12	4 13	16 44	0 36	17 12	0 14	16 1	1 39	1 4	1 8	20 56	1 45	21 33	0 3	20 44	1 27	11 27	10 36	22 42	22 51	1 29	9 49	6 44
S 31	14s16	9n 6	3s31	17s18	0s43	17s35	0n11	15n52	1n40	0n59	1n 8	20n55	1s45	21s33	0n 3	20s44	1n27	11n27	10s36	22n42	22n51	1n32	9n47	6s44

Julian Day Number = 2323253.5, Delta T = 44.19 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'15, Lahiri = 18°57'16Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

NOVEMBER 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 43 21	9♏12'59	14♉37	17♏24	21♏13	22♌13	0♎19	15°R 3	7♐31	11♐18	9°R39	15°R23	16♊56	14♈39	15♌31	S 1
M 2	2 47 17	10°13'13	26°40	18°57	22°28	22°44	0°30	15♊ 0	7°35	11°20	9♊39	15♊20	16°53	14°45	15°34	M 2
T 3	2 51 14	11°13'29	8♊50	20°30	23°43	23°14	0°42	14°56	7°38	11°22	9°38	15°18	16°50	14°52	15°37	T 3
W 4	2 55 11	12°13'46	21°10	22° 2	24°58	23°44	0°53	14°52	7°41	11°24	9°37	15°D18	16°47	14°59	15°40	W 4
T 5	2 59 7	13°14'05	3♋40	23°34	26°13	24°15	1° 4	14°49	7°45	11°26	9°36	15°19	16°44	15° 6	15°42	T 5
F 6	3 3 4	14°14'27	16°25	25° 6	27°28	24°44	1°15	14°45	7°48	11°28	9°35	15°21	16°41	15°12	15°45	F 6
S 7	3 7 0	15°14'50	29°27	26°38	28°43	25°14	1°26	14°41	7°52	11°30	9°33	15°23	16°37	15°19	15°47	S 7
S 8	3 10 57	16°15'15	12♌49	28° 9	29°58	25°44	1°37	14°37	7°55	11°32	9°32	15°R23	16°34	15°26	15°50	S 8
M 9	3 14 53	17°15'42	26°32	29°40	1♐13	26°13	1°48	14°33	7°59	11°34	9°31	15°23	16°31	15°32	15°52	M 9
T 10	3 18 50	18°16'11	10♍39	1♐10	2°28	26°42	1°59	14°29	8° 2	11°36	9°30	15°22	16°28	15°39	15°54	T 10
W11	3 22 46	19°16'42	25° 7	2°41	3°43	27°11	2°10	14°25	8° 6	11°38	9°29	15°19	16°25	15°46	15°56	W11
T 12	3 26 43	20°17'15	9♎53	4°10	4°58	27°40	2°20	14°20	8° 9	11°41	9°28	15°15	16°22	15°52	15°58	T 12
F 13	3 30 40	21°17'49	24°50	5°40	6°13	28° 9	2°31	14°16	8°13	11°43	9°27	15°12	16°18	15°59	15°59	F 13
S 14	3 34 36	22°18'25	9♏52	7° 9	7°28	28°37	2°41	14°12	8°16	11°45	9°26	15° 9	16°15	16° 6	16° 1	S 14
S 15	3 38 33	23°19'03	24°48	8°38	8°43	29° 5	2°52	14° 7	8°20	11°47	9°25	15° 7	16°12	16°13	16° 3	S 15
M16	3 42 29	24°19'42	9♐31	10° 6	9°58	29°33	3° 2	14° 3	8°23	11°49	9°24	15°D 6	16° 9	16°19	16° 4	M16
T 17	3 46 26	25°20'23	23°52	11°34	11°14	0♍ 1	3°12	13°58	8°27	11°51	9°23	15° 6	16° 6	16°26	16° 5	T 17
W18	3 50 22	26°21'05	7♑50	13° 2	12°29	0°29	3°22	13°54	8°31	11°54	9°22	15° 7	16° 2	16°33	16° 7	W18
T 19	3 54 19	27°21'48	21°20	14°28	13°44	0°56	3°32	13°49	8°34	11°56	9°21	15° 8	15°59	16°39	16° 8	T 19
F 20	3 58 15	28°22'32	4♒26	15°54	14°59	1°23	3°42	13°44	8°38	11°58	9°19	15°10	15°56	16°46	16° 9	F 20
S 21	4 2 12	29°23'17	17° 8	17°20	16°14	1°50	3°52	13°40	8°42	12° 0	9°18	15°11	15°53	16°53	16°10	S 21
S 22	4 6 9	0♐24'03	29°31	18°44	17°29	2°16	4° 1	13°35	8°45	12° 2	9°17	15°R11	15°50	17° 0	16°11	S 22
M23	4 10 5	1°24'51	11♓39	20° 8	18°44	2°42	4°11	13°30	8°49	12° 5	9°16	15°11	15°47	17° 6	16°11	M23
T 24	4 14 2	2°25'39	23°38	21°30	19°59	3° 8	4°20	13°25	8°53	12° 7	9°15	15°10	15°43	17°13	16°12	T 24
W25	4 17 58	3°26'28	5♈30	22°52	21°14	3°34	4°30	13°21	8°56	12° 9	9°14	15° 8	15°40	17°20	16°12	W25
T 26	4 21 55	4°27'18	17°21	24°11	22°29	3°59	4°39	13°16	9° 0	12°11	9°13	15° 7	15°37	17°26	16°13	T 26
F 27	4 25 51	5°28'09	29°14	25°29	23°44	4°25	4°48	13°11	9° 4	12°14	9°11	15° 5	15°34	17°33	16°13	F 27
S 28	4 29 48	6°29'01	11♉12	26°46	24°59	4°50	4°57	13° 6	9° 7	12°16	9°10	15° 4	15°31	17°40	16°13	S 28
S 29	4 33 44	7°29'54	23°17	28° 0	26°14	5°14	5° 6	13° 1	9°11	12°18	9° 9	15° 3	15°28	17°46	16°R13	S 29
M30	4 37 41	8♐30'48	5♊32	29♐11	27♐29	5♍39	5♎15	12♊56	9♐15	12♐20	9♊ 8	15♊ 2	15♊24	17♈53	16♌13	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s36	13n43	2s39	17s51	0s49	17s57	0n 9	15n43	1n41	0n55	1n 8	20n55	1s45	21s34	0n 2	20s45	1n27	11n27	10s36	22n41	22n51	1n35	9n46	6s45
M 2	14 55	17 50	1 40	18 23	0 55	18 19	0 7	15 34	1 42	0 50	1 8	20 54	1 45	21 35	0 2	20 45	1 27	11 27	10 37	22 41	22 50	1 38	9 44	6 45
T 3	15 14	21 14	0 35	18 54	1 2	18 40	0 4	15 25	1 43	0 46	1 8	20 54	1 45	21 35	0 2	20 45	1 27	11 26	10 37	22 40	22 50	1 41	9 43	6 46
W 4	15 32	23 43	0n32	19 24	1 8	19 1	0 2	15 16	1 44	0 42	1 8	20 53	1 45	21 36	0 2	20 46	1 27	11 26	10 37	22 40	22 50	1 44	9 41	6 47
T 5	15 51	25 5	1 39	19 54	1 14	19 21	0s 1	15 7	1 46	0 37	1 9	20 53	1 45	21 36	0 2	20 46	1 27	11 26	10 37	22 41	22 49	1 47	9 40	6 47
F 6	16 9	25 9	2 42	20 22	1 20	19 41	0 3	14 59	1 47	0 33	1 9	20 53	1 45	21 37	0 2	20 46	1 27	11 26	10 37	22 41	22 49	1 50	9 39	6 48
S 7	16 26	23 52	3 39	20 49	1 25	20 0	0 6	14 50	1 48	0 29	1 9	20 52	1 45	21 37	0 2	20 46	1 27	11 26	10 37	22 41	22 49	1 52	9 37	6 49
S 8	16 44	21 13	4 25	21 16	1 31	20 19	0 8	14 41	1 49	0 25	1 9	20 52	1 45	21 38	0 2	20 47	1 27	11 25	10 37	22 41	22 48	1 55	9 36	6 49
M 9	17 1	17 20	4 57	21 41	1 36	20 37	0 11	14 32	1 50	0 20	1 9	20 51	1 45	21 38	0 2	20 47	1 27	11 25	10 37	22 41	22 48	1 58	9 35	6 50
T 10	17 18	12 24	5 13	22 5	1 42	20 55	0 13	14 23	1 51	0 16	1 9	20 51	1 45	21 39	0 2	20 47	1 27	11 25	10 37	22 41	22 48	2 1	9 33	6 51
W11	17 35	6 40	5 9	22 29	1 47	21 12	0 16	14 14	1 53	0 12	1 10	20 50	1 45	21 40	0 2	20 48	1 27	11 25	10 37	22 40	22 47	2 4	9 32	6 51
T 12	17 51	0 27	4 46	22 51	1 51	21 28	0 18	14 5	1 54	0 8	1 10	20 50	1 45	21 40	0 2	20 48	1 27	11 25	10 37	22 40	22 47	2 7	9 31	6 52
F 13	18 7	5s53	4 2	23 12	1 56	21 44	0 21	13 56	1 55	0 4	1 10	20 49	1 45	21 41	0 2	20 48	1 27	11 24	10 37	22 40	22 47	2 10	9 30	6 53
S 14	18 23	11 55	3 2	23 31	2 0	21 59	0 23	13 47	1 56	0 0	1 10	20 49	1 45	21 41	0 2	20 49	1 27	11 24	10 37	22 39	22 46	2 13	9 29	6 53
S 15	18 38	17 14	1 50	23 50	2 4	22 13	0 26	13 39	1 57	0s 4	1 10	20 48	1 45	21 42	0 2	20 49	1 26	11 24	10 37	22 39	22 46	2 16	9 28	6 54
M16	18 53	21 25	0 31	24 7	2 8	22 27	0 28	13 30	1 59	0 8	1 10	20 48	1 45	21 43	0 2	20 49	1 26	11 24	10 37	22 39	22 46	2 19	9 27	6 55
T 17	19 8	24 9	0s48	24 23	2 12	22 40	0 30	13 21	2 0	0 12	1 11	20 47	1 45	21 43	0 2	20 50	1 26	11 24	10 37	22 39	22 45	2 22	9 26	6 56
W18	19 22	25 17	2 2	24 38	2 15	22 53	0 33	13 13	2 1	0 16	1 11	20 47	1 45	21 44	0 2	20 50	1 26	11 24	10 37	22 39	22 45	2 25	9 25	6 56
T 19	19 37	24 52	3 7	24 51	2 18	23 5	0 35	13 4	2 2	0 19	1 11	20 46	1 45	21 44	0 2	20 50	1 26	11 23	10 37	22 39	22 45	2 28	9 24	6 57
F 20	19 50	23 4	4 0	25 3	2 20	23 16	0 38	12 56	2 4	0 23	1 11	20 46	1 45	21 45	0 2	20 50	1 26	11 23	10 37	22 39	22 44	2 31	9 23	6 58
S 21	20 4	20 10	4 39	25 14	2 22	23 26	0 40	12 47	2 5	0 27	1 11	20 45	1 45	21 45	0 2	20 51	1 26	11 23	10 37	22 40	22 44	2 34	9 22	6 58
S 22	20 16	16 25	5 5	25 24	2 24	23 36	0 42	12 39	2 6	0 31	1 11	20 45	1 45	21 46	0 2	20 51	1 26	11 23	10 37	22 40	22 44	2 37	9 21	6 59
M23	20 29	12 4	5 16	25 31	2 25	23 45	0 45	12 31	2 8	0 34	1 12	20 44	1 45	21 47	0 2	20 51	1 26	11 23	10 37	22 40	22 43	2 40	9 20	7 0
T 24	20 41	7 19	5 13	25 38	2 26	23 53	0 47	12 23	2 9	0 38	1 12	20 43	1 45	21 47	0 2	20 52	1 26	11 23	10 37	22 39	22 43	2 43	9 19	7 0
W25	20 53	2 21	4 57	25 43	2 26	24 1	0 49	12 14	2 10	0 41	1 12	20 43	1 45	21 48	0 2	20 52	1 26	11 22	10 37	22 39	22 43	2 46	9 18	7 1
T 26	21 4	2n42	4 28	25 47	2 25	24 8	0 52	12 6	2 12	0 45	1 12	20 42	1 44	21 48	0 2	20 52	1 26	11 22	10 37	22 39	22 42	2 49	9 18	7 2
F 27	21 15	7 40	3 47	25 49	2 24	24 14	0 54	11 58	2 13	0 48	1 12	20 42	1 44	21 49	0 2	20 53	1 26	11 22	10 37	22 39	22 42	2 52	9 17	7 2
S 28	21 26	12 25	2 57	25 49	2 23	24 19	0 56	11 51	2 14	0 52	1 13	20 41	1 44	21 49	0 2	20 53	1 26	11 22	10 37	22 39	22 42	2 55	9 16	7 3
S 29	21 36	16 44	1 58	25 48	2 20	24 24	0 58	11 43	2 16	0 55	1 13	20 41	1 44	21 50	0 2	20 53	1 26	11 22	10 37	22 39	22 41	2 58	9 16	7 4
M30	21s46	20n24	0s53	25s46	2s17	24s28	1s 0	11n35	2n17	0s58	1n13	20n40	1s44	21s51	0n 2	20s54	1n26	11n22	10s37	22n39	22n41	3n 1	9n15	7s 4

Julian Day Number = 2323284.5, Delta T = 44.13 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'20, Lahiri = 18°57'20Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1648
geocentric

DECEMBER 1648 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 41 38	9♐31'43	17♊57	0♑19	28♐44	6♍ 3	5♎24	12°R51	9♐18	12♐23	9°R 7	15°D 2	15♊21	18♈ 0	16°R13	T 1
W 2	4 45 34	10°32'39	0♋35	1°24	29°59	6°26	5°32	12♊46	9°22	12°25	9♊ 6	15♊ 3	15°18	18° 7	16♌12	W 2
T 3	4 49 31	11°33'36	13°25	2°25	1♑14	6°50	5°41	12°41	9°26	12°27	9° 5	15° 3	15°15	18°13	16°12	T 3
F 4	4 53 27	12°34'35	26°28	3°21	2°29	7°13	5°49	12°36	9°29	12°29	9° 3	15° 3	15°12	18°20	16°12	F 4
S 5	4 57 24	13°35'34	9♌44	4°13	3°44	7°36	5°57	12°31	9°33	12°32	9° 2	15° 3	15° 8	18°27	16°11	S 5
S 6	5 1 20	14°36'34	23°15	4°58	4°59	7°58	6° 5	12°26	9°37	12°34	9° 1	15° 3	15° 5	18°33	16°10	S 6
M 7	5 5 17	15°37'36	7♍ 0	5°36	6°14	8°20	6°13	12°21	9°40	12°36	9° 0	15°R 3	15° 2	18°40	16° 9	M 7
T 8	5 9 14	16°38'38	20°59	6° 7	7°28	8°42	6°21	12°17	9°44	12°39	8°59	15°D 3	14°59	18°47	16° 8	T 8
W 9	5 13 10	17°39'42	5♎11	6°30	8°43	9° 4	6°29	12°12	9°48	12°41	8°58	15° 4	14°56	18°53	16° 7	W 9
T 10	5 17 7	18°40'46	19°34	6°43	9°58	9°25	6°37	12° 7	9°51	12°43	8°56	15° 4	14°53	19° 0	16° 6	T 10
F 11	5 21 3	19°41'52	4♏ 5	6°R47	11°13	9°45	6°44	12° 2	9°55	12°45	8°55	15° 4	14°49	19° 7	16° 5	F 11
S 12	5 25 0	20°42'58	18°39	6°39	12°28	10° 6	6°51	11°57	9°58	12°48	8°54	15° 5	14°46	19°14	16° 3	S 12
S 13	5 28 56	21°44'06	3♐10	6°20	13°43	10°26	6°59	11°52	10° 2	12°50	8°53	15° 5	14°43	19°20	16° 2	S 13
M14	5 32 53	22°45'14	17°34	5°49	14°58	10°45	7° 6	11°47	10° 6	12°52	8°52	15°R 5	14°40	19°27	16° 0	M14
T 15	5 36 49	23°46'22	1♑44	5° 7	16°13	11° 4	7°12	11°42	10° 9	12°54	8°51	15° 5	14°37	19°34	15°59	T 15
W16	5 40 46	24°47'31	15°35	4°13	17°28	11°23	7°19	11°38	10°13	12°57	8°50	15° 4	14°34	19°40	15°57	W16
T 17	5 44 43	25°48'41	29° 6	3°10	18°43	11°41	7°26	11°33	10°16	12°59	8°49	15° 3	14°30	19°47	15°55	T 17
F 18	5 48 39	26°49'50	12♒14	1°58	19°57	11°59	7°32	11°28	10°20	13° 1	8°48	15° 1	14°27	19°54	15°53	F 18
S 19	5 52 36	27°51'00	25° 0	0°40	21°12	12°17	7°39	11°24	10°24	13° 3	8°47	14°59	14°24	20° 0	15°51	S 19
S 20	5 56 32	28°52'10	7♓28	29♐19	22°27	12°34	7°45	11°19	10°27	13° 5	8°45	14°58	14°21	20° 7	15°49	S 20
M21	6 0 29	29°53'19	19°39	27°57	23°42	12°50	7°51	11°14	10°31	13° 8	8°44	14°57	14°18	20°14	15°46	M21
T 22	6 4 25	0♑54'29	1♈39	26°36	24°57	13° 6	7°56	11°10	10°34	13°10	8°43	14°D57	14°14	20°21	15°44	T 22
W23	6 8 22	1°55'39	13°31	25°20	26°11	13°22	8° 2	11° 5	10°38	13°12	8°42	14°57	14°11	20°27	15°41	W23
T 24	6 12 18	2°56'49	25°22	24°11	27°26	13°37	8° 8	11° 1	10°41	13°14	8°41	14°58	14° 8	20°34	15°39	T 24
F 25	6 16 15	3°57'58	7♉15	23° 9	28°41	13°51	8°13	10°57	10°45	13°16	8°40	15° 0	14° 5	20°41	15°36	F 25
S 26	6 20 12	4°59'08	19°16	22°17	29°56	14° 6	8°18	10°52	10°48	13°18	8°39	15° 1	14° 2	20°47	15°33	S 26
S 27	6 24 8	6° 0'17	1♊27	21°36	1♒10	14°19	8°23	10°48	10°51	13°21	8°38	15° 3	13°59	20°54	15°31	S 27
M28	6 28 5	7° 1'26	13°52	21° 4	2°25	14°32	8°28	10°44	10°55	13°23	8°37	15°R 3	13°55	21° 1	15°28	M28
T 29	6 32 1	8° 2'36	26°33	20°43	3°40	14°45	8°33	10°40	10°58	13°25	8°36	15° 3	13°52	21° 7	15°25	T 29
W30	6 35 58	9° 3'45	9♋31	20°32	4°54	14°57	8°37	10°36	11° 2	13°27	8°35	15° 1	13°49	21°14	15°21	W30
T 31	6 39 54	10♑ 4'54	22♋45	20°D30	6♒ 9	15♍ 8	8♎42	10♊32	11♐ 5	13♐29	8♊34	14♊58	13♊46	21♈21	15♌18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s55	23n12	0n16	25 s42	2 s13	24 s31	1 s 2	11n27	2n19	1 s 2	1n13	20n40	1 s44	21 s51	0n 2	20 s54	1n26	11n22	10 s37	22n39	22n41	3n 4	9n14	7 s 5
W 2	22 4	24 54	1 25	25 37	2 8	24 33	1 4	11 20	2 20	1 5	1 13	20 39	1 44	21 52	0 2	20 54	1 26	11 21	10 37	22 39	22 40	3 7	9 14	7 6
T 3	22 13	25 19	2 31	25 30	2 3	24 35	1 6	11 13	2 21	1 8	1 14	20 39	1 44	21 52	0 2	20 54	1 26	11 21	10 37	22 39	22 40	3 10	9 13	7 6
F 4	22 21	24 20	3 30	25 22	1 56	24 36	1 8	11 5	2 23	1 11	1 14	20 38	1 44	21 53	0 2	20 55	1 26	11 21	10 37	22 39	22 40	3 13	9 13	7 7
S 5	22 29	22 0	4 19	25 13	1 48	24 36	1 10	10 58	2 24	1 14	1 14	20 38	1 44	21 53	0 2	20 55	1 26	11 21	10 37	22 39	22 39	3 16	9 12	7 8
S 6	22 36	18 26	4 55	25 2	1 39	24 36	1 12	10 51	2 26	1 17	1 14	20 37	1 44	21 54	0 2	20 55	1 26	11 21	10 37	22 39	22 39	3 19	9 12	7 8
M 7	22 43	13 49	5 14	24 51	1 29	24 34	1 14	10 44	2 27	1 20	1 14	20 36	1 44	21 54	0 2	20 56	1 26	11 21	10 37	22 39	22 39	3 22	9 12	7 9
T 8	22 49	8 25	5 16	24 38	1 17	24 32	1 16	10 37	2 29	1 23	1 15	20 36	1 44	21 55	0 2	20 56	1 26	11 21	10 37	22 39	22 38	3 25	9 11	7 10
W 9	22 55	2 30	4 58	24 24	1 4	24 29	1 17	10 30	2 30	1 26	1 15	20 35	1 43	21 56	0 2	20 56	1 26	11 21	10 37	22 39	22 38	3 28	9 11	7 10
T 10	23 0	3 s38	4 22	24 9	0 50	24 25	1 19	10 24	2 32	1 29	1 15	20 35	1 43	21 56	0 2	20 56	1 26	11 21	10 37	22 39	22 38	3 31	9 11	7 11
F 11	23 5	9 38	3 28	23 53	0 35	24 21	1 21	10 17	2 33	1 32	1 15	20 34	1 43	21 57	0 2	20 57	1 26	11 21	10 36	22 39	22 37	3 34	9 10	7 12
S 12	23 10	15 8	2 22	23 37	0 18	24 16	1 22	10 11	2 35	1 34	1 15	20 34	1 43	21 57	0 2	20 57	1 26	11 20	10 36	22 39	22 37	3 37	9 10	7 12
S 13	23 14	19 45	1 6	23 20	0 0	24 10	1 24	10 5	2 36	1 37	1 16	20 33	1 43	21 58	0 2	20 57	1 26	11 20	10 36	22 39	22 36	3 40	9 10	7 13
M14	23 17	23 8	0 s14	23 3	0n19	24 3	1 25	9 59	2 38	1 39	1 16	20 33	1 43	21 58	0 2	20 58	1 26	11 20	10 36	22 39	22 36	3 43	9 10	7 13
T 15	23 20	24 59	1 31	22 45	0 38	23 56	1 27	9 53	2 40	1 42	1 16	20 32	1 43	21 59	0 2	20 58	1 26	11 20	10 36	22 39	22 36	3 46	9 10	7 14
W16	23 23	25 14	2 41	22 27	0 58	23 48	1 28	9 47	2 41	1 44	1 16	20 32	1 43	21 59	0 2	20 58	1 26	11 20	10 36	22 39	22 35	3 49	9 10	7 15
T 17	23 25	23 58	3 40	22 9	1 18	23 39	1 29	9 42	2 43	1 47	1 17	20 31	1 42	22 0	0 2	20 58	1 26	11 20	10 36	22 39	22 35	3 51	9 10	7 15
F 18	23 27	21 25	4 26	21 51	1 38	23 30	1 31	9 37	2 44	1 49	1 17	20 31	1 42	22 0	0 2	20 59	1 26	11 20	10 36	22 39	22 35	3 54	9 10	7 16
S 19	23 28	17 52	4 57	21 33	1 56	23 19	1 32	9 31	2 46	1 51	1 17	20 30	1 42	22 1	0 2	20 59	1 26	11 20	10 36	22 38	22 34	3 57	9 10	7 16
S 20	23 29	13 38	5 14	21 16	2 13	23 8	1 33	9 26	2 48	1 54	1 17	20 30	1 42	22 1	0 2	20 59	1 26	11 20	10 36	22 38	22 34	4 0	9 10	7 17
M21	23 29	8 56	5 15	21 0	2 28	22 57	1 34	9 22	2 49	1 56	1 18	20 29	1 42	22 2	0 2	21 0	1 26	11 20	10 35	22 38	22 34	4 3	9 10	7 17
T 22	23 29	3 59	5 3	20 45	2 42	22 44	1 35	9 17	2 51	1 58	1 18	20 29	1 42	22 3	0 2	21 0	1 26	11 20	10 35	22 38	22 33	4 6	9 10	7 18
W23	23 28	1n 5	4 38	20 32	2 52	22 31	1 36	9 13	2 53	2 0	1 18	20 28	1 42	22 3	0 2	21 0	1 26	11 20	10 35	22 38	22 33	4 9	9 11	7 18
T 24	23 27	6 5	4 1	20 21	3 0	22 18	1 37	9 8	2 54	2 2	1 18	20 28	1 41	22 4	0 2	21 0	1 26	11 20	10 35	22 38	22 32	4 12	9 11	7 19
F 25	23 26	10 54	3 14	20 13	3 6	22 3	1 38	9 4	2 56	2 4	1 19	20 27	1 41	22 4	0 2	21 1	1 26	11 20	10 35	22 38	22 32	4 15	9 11	7 19
S 26	23 23	15 22	2 18	20 6	3 10	21 48	1 38	9 0	2 58	2 6	1 19	20 27	1 41	22 5	0 2	21 1	1 26	11 20	10 35	22 39	22 32	4 18	9 11	7 20
S 27	23 21	19 17	1 14	20 3	3 11	21 33	1 39	8 57	3 0	2 7	1 19	20 27	1 41	22 5	0 2	21 1	1 26	11 20	10 35	22 39	22 31	4 21	9 12	7 20
M28	23 18	22 24	0 7	20 1	3 10	21 16	1 39	8 53	3 1	2 9	1 19	20 26	1 41	22 5	0 2	21 1	1 26	11 20	10 34	22 39	22 31	4 24	9 12	7 21
T 29	23 14	24 29	1n 3	20 2	3 8	21 0	1 40	8 50	3 3	2 11	1 20	20 26	1 40	22 6	0 2	21 2	1 26	11 20	10 34	22 39	22 31	4 27	9 13	7 21
W30	23 11	25 19	2 11	20 5	3 4	20 42	1 40	8 47	3 5	2 12	1 20	20 25	1 40	22 6	0 2	21 2	1 26	11 20	10 34	22 39	22 30	4 30	9 13	7 22
T 31	23 s 6	24n43	3n12	20 s10	2n59	20 s24	1 s41	8n44	3n 7	2 s14	1n20	20n25	1 s40	22 s 7	0n 2	21 s 2	1n26	11n20	10 s34	22n38	22n30	4n33	9n14	7 s22

Julian Day Number = 2323314.5, Delta T = 44.07 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'24, Lahiri = 18°57'24Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1649
geocentric

JANUARY 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 43 51	11♉ 6'03	6♌15	20♐37	7♒23	15♍19	8♎46	10°R28	11♐ 8	13♐31	8°R33	14°R54	13♊43	21♈28	15°R15	F 1
S 2	6 47 47	12° 7'12	19°57	20°52	8°38	15°29	8°50	10♊24	11°12	13°33	8♊32	14♊50	13°40	21°34	15♌12	S 2
S 3	6 51 44	13° 8'21	3♍50	21°14	9°52	15°39	8°54	10°20	11°15	13°35	8°31	14°46	13°36	21°41	15° 8	S 3
M 4	6 55 41	14° 9'29	17°51	21°44	11° 7	15°48	8°58	10°16	11°18	13°37	8°30	14°42	13°33	21°48	15° 5	M 4
T 5	6 59 37	15°10'38	1♎56	22°19	12°21	15°57	9° 1	10°13	11°21	13°39	8°30	14°40	13°30	21°54	15° 1	T 5
W 6	7 3 34	16°11'47	16° 5	22°59	13°36	16° 4	9° 5	10° 9	11°24	13°41	8°29	14°D40	13°27	22° 1	14°57	W 6
T 7	7 7 30	17°12'56	0♏14	23°45	14°50	16°12	9° 8	10° 6	11°28	13°43	8°28	14°40	13°24	22° 8	14°54	T 7
F 8	7 11 27	18°14'05	14°23	24°35	16° 5	16°18	9°11	10° 3	11°31	13°45	8°27	14°42	13°20	22°14	14°50	F 8
S 9	7 15 23	19°15'13	28°29	25°29	17°19	16°24	9°13	9°59	11°34	13°47	8°26	14°43	13°17	22°21	14°46	S 9
S 10	7 19 20	20°16'22	12♐31	26°26	18°33	16°29	9°16	9°56	11°37	13°49	8°25	14°R44	13°14	22°28	14°42	S 10
M11	7 23 16	21°17'30	26°26	27°27	19°48	16°34	9°19	9°53	11°40	13°51	8°24	14°43	13°11	22°34	14°38	M11
T 12	7 27 13	22°18'38	10♑11	28°30	21° 2	16°38	9°21	9°50	11°43	13°53	8°24	14°41	13° 8	22°41	14°34	T 12
W13	7 31 10	23°19'45	23°44	29°36	22°16	16°41	9°23	9°47	11°46	13°55	8°23	14°36	13° 5	22°48	14°30	W13
T 14	7 35 6	24°20'52	7♒ 2	0♑45	23°30	16°43	9°25	9°44	11°49	13°56	8°22	14°30	13° 1	22°55	14°26	T 14
F 15	7 39 3	25°21'58	20° 3	1°55	24°45	16°45	9°26	9°42	11°52	13°58	8°21	14°23	12°58	23° 1	14°22	F 15
S 16	7 42 59	26°23'03	2♓47	3° 7	25°59	16°46	9°28	9°39	11°55	14° 0	8°21	14°15	12°55	23° 8	14°18	S 16
S 17	7 46 56	27°24'07	15°13	4°21	27°13	16°R46	9°29	9°36	11°58	14° 2	8°20	14° 8	12°52	23°15	14°13	S 17
M18	7 50 52	28°25'10	27°25	5°37	28°27	16°45	9°30	9°34	12° 0	14° 4	8°19	14° 1	12°49	23°21	14° 9	M18
T 19	7 54 49	29°26'12	9♈26	6°54	29°41	16°44	9°31	9°32	12° 3	14° 5	8°19	13°57	12°46	23°28	14° 4	T 19
W20	7 58 46	0♒27'13	21°18	8°13	0♓55	16°42	9°32	9°30	12° 6	14° 7	8°18	13°55	12°42	23°35	14° 0	W20
T 21	8 2 42	1°28'13	3♉ 8	9°32	2° 9	16°39	9°33	9°27	12° 9	14° 9	8°17	13°D54	12°39	23°41	13°56	T 21
F 22	8 6 39	2°29'12	15° 0	10°53	3°23	16°35	9°33	9°25	12°11	14°10	8°17	13°55	12°36	23°48	13°51	F 22
S 23	8 10 35	3°30'10	27° 0	12°15	4°37	16°31	9°R33	9°24	12°14	14°12	8°16	13°56	12°33	23°55	13°47	S 23
S 24	8 14 32	4°31'06	9♊13	13°39	5°50	16°25	9°33	9°22	12°17	14°14	8°15	13°R57	12°30	24° 1	13°42	S 24
M25	8 18 28	5°32'01	21°43	15° 3	7° 4	16°19	9°33	9°20	12°19	14°15	8°15	13°57	12°26	24° 8	13°38	M25
T 26	8 22 25	6°32'56	4♋33	16°28	8°18	16°13	9°33	9°19	12°22	14°17	8°14	13°55	12°23	24°15	13°33	T 26
W27	8 26 21	7°33'48	17°46	17°54	9°32	16° 5	9°32	9°17	12°24	14°18	8°14	13°50	12°20	24°22	13°28	W27
T 28	8 30 18	8°34'40	1♌21	19°21	10°45	15°57	9°31	9°16	12°27	14°20	8°13	13°43	12°17	24°28	13°24	T 28
F 29	8 34 15	9°35'31	15°17	20°49	11°59	15°48	9°30	9°15	12°29	14°21	8°13	13°35	12°14	24°35	13°19	F 29
S 30	8 38 11	10°36'20	29°29	22°17	13°12	15°38	9°29	9°13	12°31	14°23	8°12	13°25	12°11	24°42	13°14	S 30
S 31	8 42 8	11♒37'08	13♍51	23♑47	14♓26	15♍27	9♎28	9♊12	12♐34	14♐24	8♊12	13♊16	12♊ 7	24♈48	13♌10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s 1	22n42	4n 5	20s17	2n53	20s 5	1s41	8n42	3n 9	2s15	1n20	20n25	1s40	22s 7	0n 2	21s 2	1n26	11n20	10s34	22n38	22n29	4n36	9n14	7s23
S 2	22 56	19 21	4 44	20 25	2 46	19 46	1 41	8 39	3 10	2 16	1 21	20 24	1 40	22 8	0 2	21 2	1 26	11 20	10 34	22 37	22 29	4 39	9 15	7 23
S 3	22 50	14 53	5 7	20 34	2 38	19 26	1 41	8 37	3 12	2 18	1 21	20 24	1 40	22 8	0 2	21 3	1 26	11 20	10 33	22 37	22 29	4 42	9 15	7 23
M 4	22 44	9 36	5 12	20 44	2 30	19 6	1 42	8 35	3 14	2 19	1 21	20 24	1 39	22 9	0 2	21 3	1 26	11 20	10 33	22 36	22 28	4 45	9 16	7 24
T 5	22 37	3 48	4 59	20 55	2 21	18 45	1 42	8 34	3 16	2 20	1 21	20 23	1 39	22 9	0 2	21 3	1 26	11 20	10 33	22 36	22 28	4 48	9 16	7 24
W 6	22 30	2s13	4 27	21 6	2 13	18 24	1 41	8 32	3 18	2 21	1 22	20 23	1 39	22 10	0 2	21 3	1 26	11 20	10 33	22 36	22 27	4 51	9 17	7 25
T 7	22 22	8 9	3 39	21 17	2 3	18 2	1 41	8 31	3 20	2 22	1 22	20 23	1 39	22 10	0 2	21 4	1 26	11 20	10 33	22 36	22 27	4 54	9 18	7 25
F 8	22 14	13 40	2 38	21 28	1 54	17 39	1 41	8 30	3 21	2 23	1 22	20 22	1 38	22 11	0 2	21 4	1 27	11 20	10 33	22 36	22 27	4 57	9 19	7 25
S 9	22 6	18 26	1 28	21 40	1 45	17 16	1 41	8 30	3 23	2 24	1 22	20 22	1 38	22 11	0 2	21 4	1 27	11 20	10 32	22 36	22 26	5 0	9 19	7 26
S 10	21 57	22 8	0 12	21 51	1 35	16 53	1 40	8 30	3 25	2 25	1 23	20 22	1 38	22 11	0 2	21 4	1 27	11 20	10 32	22 37	22 26	5 3	9 20	7 26
M11	21 48	24 30	1s 3	22 2	1 26	16 29	1 40	8 29	3 27	2 25	1 23	20 22	1 38	22 12	0 2	21 4	1 27	11 20	10 32	22 37	22 25	5 6	9 21	7 26
T 12	21 38	25 19	2 14	22 12	1 16	16 5	1 39	8 30	3 29	2 26	1 23	20 21	1 38	22 12	0 2	21 5	1 27	11 21	10 32	22 36	22 25	5 9	9 22	7 26
W13	21 28	24 37	3 16	22 22	1 7	15 40	1 39	8 30	3 31	2 27	1 24	20 21	1 37	22 13	0 2	21 5	1 27	11 21	10 32	22 36	22 25	5 12	9 23	7 27
T 14	21 17	22 31	4 6	22 31	0 58	15 15	1 38	8 31	3 33	2 27	1 24	20 21	1 37	22 13	0 2	21 5	1 27	11 21	10 31	22 35	22 24	5 15	9 24	7 27
F 15	21 6	19 17	4 42	22 40	0 48	14 50	1 37	8 32	3 35	2 28	1 24	20 21	1 37	22 13	0 2	21 5	1 27	11 21	10 31	22 34	22 24	5 18	9 25	7 27
S 16	20 55	15 12	5 3	22 48	0 39	14 24	1 36	8 33	3 36	2 28	1 24	20 21	1 37	22 14	0 2	21 5	1 27	11 21	10 31	22 33	22 24	5 21	9 26	7 27
S 17	20 43	10 34	5 9	22 55	0 30	13 57	1 35	8 35	3 38	2 28	1 25	20 21	1 37	22 14	0 2	21 6	1 27	11 21	10 31	22 32	22 23	5 24	9 27	7 28
M18	20 31	5 37	5 0	23 0	0 21	13 31	1 34	8 37	3 40	2 28	1 25	20 20	1 36	22 15	0 2	21 6	1 27	11 21	10 31	22 32	22 23	5 27	9 28	7 28
T 19	20 19	0 32	4 39	23 5	0 13	13 4	1 33	8 39	3 42	2 29	1 25	20 20	1 36	22 15	0 2	21 6	1 27	11 21	10 30	22 31	22 22	5 30	9 29	7 28
W20	20 6	4n31	4 6	23 9	0 4	12 36	1 32	8 42	3 44	2 29	1 25	20 20	1 36	22 15	0 2	21 6	1 27	11 21	10 30	22 31	22 22	5 33	9 30	7 28
T 21	19 52	9 25	3 22	23 12	0s 4	12 9	1 31	8 44	3 46	2 29	1 26	20 20	1 36	22 16	0 2	21 6	1 27	11 21	10 30	22 31	22 21	5 36	9 31	7 28
F 22	19 39	13 59	2 30	23 14	0 12	11 41	1 30	8 48	3 47	2 28	1 26	20 20	1 35	22 16	0 2	21 6	1 27	11 22	10 30	22 31	22 21	5 39	9 32	7 28
S 23	19 25	18 4	1 30	23 15	0 20	11 12	1 28	8 51	3 49	2 28	1 26	20 20	1 35	22 16	0 2	21 7	1 27	11 22	10 29	22 31	22 21	5 42	9 33	7 28
S 24	19 10	21 27	0 26	23 14	0 27	10 44	1 27	8 55	3 51	2 28	1 27	20 20	1 35	22 17	0 2	21 7	1 27	11 22	10 29	22 31	22 20	5 45	9 35	7 29
M25	18 55	23 55	0n42	23 13	0 35	10 15	1 25	8 59	3 53	2 28	1 27	20 20	1 35	22 17	0 2	21 7	1 27	11 22	10 29	22 31	22 20	5 48	9 36	7 29
T 26	18 40	25 13	1 48	23 10	0 42	9 46	1 23	9 3	3 54	2 27	1 27	20 20	1 34	22 18	0 2	21 7	1 27	11 22	10 29	22 31	22 19	5 51	9 37	7 29
W27	18 25	25 8	2 51	23 6	0 49	9 16	1 22	9 7	3 56	2 27	1 27	20 20	1 34	22 18	0 2	21 7	1 27	11 22	10 28	22 30	22 19	5 54	9 38	7 29
T 28	18 9	23 34	3 46	23 0	0 56	8 47	1 20	9 12	3 58	2 26	1 28	20 20	1 34	22 18	0 2	21 7	1 27	11 23	10 28	22 29	22 19	5 57	9 39	7 29
F 29	17 53	20 33	4 29	22 54	1 2	8 17	1 18	9 17	3 59	2 26	1 28	20 20	1 34	22 18	0 2	21 7	1 27	11 23	10 28	22 28	22 18	6 0	9 41	7 29
S 30	17 37	16 17	4 56	22 46	1 8	7 47	1 16	9 22	4 1	2 25	1 28	20 20	1 33	22 19	0 2	21 8	1 27	11 23	10 28	22 27	22 18	6 3	9 42	7 29
S 31	17s20	11n 2	5n 4	22s36	1s14	7s17	1s14	9n28	4n 2	2s24	1n28	20n20	1s33	22s19	0n 2	21s 8	1n27	11n23	10s28	22n26	22n17	6n 6	9n43	7s29

Julian Day Number = 2323345.5, Delta T = 44.01 sec
Ecliptic obliquity = 23°29'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'28, Lahiri = 18°57'29Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

FEBRUARY 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 46 4	12♒37'55	28♍18	25♋17	15♓39	15°R15	9°R26	9°R11	12♐36	14♐26	8°R11	13°R 7	12♊ 4	24♈55	13°R 5	M 1
T 2	8 50 1	13°38'41	12♎44	26°48	16°52	15♍ 3	9♎25	9♊11	12°38	14°27	8♊11	13♊ 1	12° 1	25° 2	13♌ 0	T 2
W 3	8 53 57	14°39'26	27° 3	28°20	18° 6	14°50	9°23	9°10	12°40	14°28	8°11	12°57	11°58	25° 8	12°56	W 3
T 4	8 57 54	15°40'10	11♏14	29°53	19°19	14°36	9°21	9° 9	12°43	14°30	8°10	12°D56	11°55	25°15	12°51	T 4
F 5	9 1 50	16°40'53	25°14	1♒27	20°32	14°22	9°18	9° 9	12°45	14°31	8°10	12°56	11°52	25°22	12°46	F 5
S 6	9 5 47	17°41'35	9♐ 4	3° 1	21°45	14° 6	9°16	9° 9	12°47	14°32	8°10	12°R57	11°48	25°28	12°42	S 6
S 7	9 9 44	18°42'16	22°43	4°37	22°58	13°51	9°13	9° 8	12°49	14°34	8° 9	12°56	11°45	25°35	12°37	S 7
M 8	9 13 40	19°42'56	6♋13	6°13	24°11	13°34	9°10	9°D 8	12°51	14°35	8° 9	12°54	11°42	25°42	12°33	M 8
T 9	9 17 37	20°43'35	19°32	7°50	25°24	13°16	9° 7	9° 8	12°53	14°36	8° 9	12°49	11°39	25°48	12°28	T 9
W10	9 21 33	21°44'12	2♒41	9°28	26°37	12°58	9° 4	9° 8	12°55	14°37	8° 9	12°41	11°36	25°55	12°23	W10
T 11	9 25 30	22°44'48	15°38	11° 7	27°49	12°40	9° 1	9° 9	12°56	14°38	8° 8	12°30	11°32	26° 2	12°19	T 11
F 12	9 29 26	23°45'22	28°24	12°46	29° 2	12°21	8°57	9° 9	12°58	14°39	8° 8	12°18	11°29	26° 9	12°14	F 12
S 13	9 33 23	24°45'55	10♓56	14°27	0♈15	12° 1	8°53	9° 9	13° 0	14°40	8° 8	12° 4	11°26	26°15	12°10	S 13
S 14	9 37 19	25°46'26	23°16	16° 8	1°27	11°40	8°50	9°10	13° 2	14°41	8° 8	11°51	11°23	26°22	12° 5	S 14
M15	9 41 16	26°46'55	5♈24	17°50	2°40	11°20	8°45	9°11	13° 3	14°42	8° 8	11°40	11°20	26°29	12° 1	M15
T 16	9 45 13	27°47'22	17°21	19°34	3°52	10°58	8°41	9°11	13° 5	14°43	8° 8	11°31	11°17	26°35	11°56	T 16
W17	9 49 9	28°47'48	29°13	21°18	5° 4	10°37	8°37	9°12	13° 6	14°44	8° 8	11°24	11°13	26°42	11°52	W17
T 18	9 53 6	29°48'12	11♉ 1	23° 3	6°17	10°14	8°32	9°13	13° 8	14°45	8° 7	11°21	11°10	26°49	11°48	T 18
F 19	9 57 2	0♓48'33	22°51	24°49	7°29	9°52	8°28	9°15	13° 9	14°46	8° 7	11°19	11° 7	26°55	11°43	F 19
S 20	10 0 59	1°48'53	4♊49	26°37	8°41	9°29	8°23	9°16	13°11	14°47	8°D 7	11°19	11° 4	27° 2	11°39	S 20
S 21	10 4 55	2°49'11	16°59	28°25	9°53	9° 6	8°18	9°17	13°12	14°48	8° 7	11°19	11° 1	27° 9	11°35	S 21
M22	10 8 52	3°49'27	29°28	0♓14	11° 5	8°43	8°12	9°19	13°13	14°49	8° 7	11°18	10°58	27°15	11°31	M22
T 23	10 12 48	4°49'41	12♋19	2° 4	12°16	8°19	8° 7	9°20	13°15	14°49	8° 8	11°15	10°54	27°22	11°27	T 23
W24	10 16 45	5°49'53	25°37	3°55	13°28	7°56	8° 2	9°22	13°16	14°50	8° 8	11° 9	10°51	27°29	11°22	W24
T 25	10 20 42	6°50'03	9♌22	5°47	14°40	7°32	7°56	9°24	13°17	14°51	8° 8	11° 1	10°48	27°35	11°18	T 25
F 26	10 24 38	7°50'11	23°34	7°40	15°51	7° 8	7°50	9°26	13°18	14°51	8° 8	10°50	10°45	27°42	11°15	F 26
S 27	10 28 35	8°50'16	8♍ 7	9°34	17° 2	6°45	7°44	9°28	13°19	14°52	8° 8	10°38	10°42	27°49	11°11	S 27
S 28	10 32 31	9♓50'20	22♍55	11♓29	18♈14	6♍21	7♎38	9♊30	13♐20	14♐53	8♊ 8	10♊27	10♊38	27♈55	11♌ 7	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17s 3	5n10	4n54	22s26	1s20	6s46	1s12	9n34	4n 4	2s23	1n29	20n20	1s33	22s19	0n 2	21s 8	1n27	11n23	10s27	22n25	22n17	6n 9	9n45	7s29
T 2	16 46	0s58	4 25	22 14	1 25	6 16	1 10	9 40	4 5	2 22	1 29	20 21	1 33	22 20	0 2	21 8	1 27	11 23	10 27	22 24	22 17	6 12	9 46	7 28
W 3	16 28	7 2	3 39	22 0	1 30	5 45	1 8	9 46	4 7	2 21	1 29	20 21	1 32	22 20	0 2	21 8	1 27	11 24	10 27	22 24	22 16	6 15	9 47	7 28
T 4	16 10	12 41	2 41	21 46	1 35	5 14	1 5	9 53	4 8	2 20	1 29	20 21	1 32	22 20	0 2	21 8	1 27	11 24	10 27	22 24	22 16	6 18	9 49	7 28
F 5	15 52	17 36	1 33	21 30	1 40	4 43	1 3	10 0	4 9	2 19	1 30	20 21	1 32	22 21	0 2	21 8	1 27	11 24	10 26	22 24	22 15	6 21	9 50	7 28
S 6	15 34	21 31	0 21	21 12	1 44	4 12	1 1	10 7	4 10	2 18	1 30	20 21	1 32	22 21	0 2	21 8	1 27	11 24	10 26	22 24	22 15	6 24	9 52	7 28
S 7	15 15	24 9	0s52	20 53	1 48	3 41	0 58	10 14	4 12	2 17	1 30	20 21	1 31	22 21	0 2	21 9	1 27	11 24	10 26	22 24	22 14	6 27	9 53	7 28
M 8	14 56	25 21	2 0	20 33	1 51	3 10	0 55	10 21	4 13	2 15	1 30	20 22	1 31	22 21	0 2	21 9	1 27	11 25	10 26	22 23	22 14	6 30	9 54	7 28
T 9	14 37	25 3	3 1	20 11	1 54	2 38	0 53	10 29	4 14	2 14	1 31	20 22	1 31	22 22	0 2	21 9	1 27	11 25	10 25	22 23	22 14	6 33	9 56	7 27
W10	14 17	23 21	3 52	19 48	1 57	2 7	0 50	10 37	4 15	2 12	1 31	20 22	1 31	22 22	0 2	21 9	1 28	11 25	10 25	22 22	22 13	6 36	9 57	7 27
T 11	13 58	20 27	4 29	19 23	2 0	1 35	0 47	10 45	4 15	2 11	1 31	20 22	1 30	22 22	0 2	21 9	1 28	11 25	10 25	22 20	22 13	6 39	9 59	7 27
F 12	13 38	16 37	4 52	18 57	2 2	1 4	0 45	10 53	4 16	2 9	1 31	20 23	1 30	22 22	0 2	21 9	1 28	11 25	10 24	22 19	22 12	6 42	10 0	7 27
S 13	13 18	12 7	5 1	18 30	2 3	0 32	0 42	11 1	4 17	2 8	1 32	20 23	1 30	22 23	0 2	21 9	1 28	11 26	10 24	22 17	22 12	6 45	10 2	7 27
S 14	12 57	7 12	4 55	18 1	2 5	0 1	0 39	11 10	4 17	2 6	1 32	20 23	1 30	22 23	0 2	21 9	1 28	11 26	10 24	22 15	22 11	6 48	10 3	7 26
M15	12 37	2 5	4 36	17 31	2 6	0n31	0 36	11 18	4 18	2 4	1 32	20 24	1 29	22 23	0 2	21 9	1 28	11 26	10 24	22 14	22 11	6 51	10 5	7 26
T 16	12 16	3n 3	4 5	16 59	2 6	1 2	0 33	11 27	4 18	2 2	1 32	20 24	1 29	22 23	0 2	21 9	1 28	11 26	10 23	22 12	22 10	6 54	10 6	7 26
W17	11 55	8 3	3 23	16 25	2 7	1 34	0 30	11 35	4 19	2 0	1 33	20 25	1 29	22 23	0 2	21 9	1 28	11 27	10 23	22 12	22 10	6 57	10 8	7 25
T 18	11 34	12 44	2 33	15 51	2 6	2 6	0 26	11 44	4 19	1 58	1 33	20 25	1 29	22 24	0 2	21 9	1 28	11 27	10 23	22 11	22 10	7 0	10 9	7 25
F 19	11 12	16 58	1 36	15 15	2 5	2 37	0 23	11 53	4 19	1 56	1 33	20 25	1 28	22 24	0 2	21 10	1 28	11 27	10 23	22 11	22 9	7 3	10 11	7 25
S 20	10 51	20 34	0 34	14 37	2 4	3 9	0 20	12 1	4 19	1 54	1 33	20 26	1 28	22 24	0 2	21 10	1 28	11 27	10 22	22 11	22 9	7 6	10 12	7 24
S 21	10 29	23 21	0n30	13 58	2 3	3 40	0 17	12 10	4 19	1 52	1 33	20 26	1 28	22 24	0 2	21 10	1 28	11 28	10 22	22 11	22 8	7 9	10 14	7 24
M22	10 8	25 4	1 34	13 17	2 0	4 11	0 13	12 19	4 19	1 50	1 34	20 27	1 28	22 24	0 2	21 10	1 28	11 28	10 22	22 11	22 8	7 12	10 15	7 23
T 23	9 46	25 30	2 36	12 35	1 58	4 43	0 10	12 27	4 18	1 47	1 34	20 27	1 27	22 24	0 2	21 10	1 28	11 28	10 22	22 10	22 7	7 15	10 17	7 23
W24	9 23	24 31	3 31	11 52	1 54	5 14	0 6	12 36	4 18	1 45	1 34	20 28	1 27	22 25	0 1	21 10	1 28	11 28	10 21	22 9	22 7	7 18	10 18	7 23
T 25	9 1	22 3	4 16	11 7	1 51	5 45	0 3	12 44	4 18	1 43	1 34	20 28	1 27	22 25	0 1	21 10	1 28	11 29	10 21	22 8	22 6	7 20	10 20	7 22
F 26	8 39	18 12	4 47	10 21	1 47	6 16	0n 1	12 53	4 17	1 40	1 34	20 29	1 27	22 25	0 1	21 10	1 28	11 29	10 21	22 7	22 6	7 23	10 21	7 22
S 27	8 16	13 10	5 0	9 34	1 42	6 46	0 4	13 1	4 16	1 38	1 35	20 29	1 26	22 25	0 1	21 10	1 28	11 29	10 21	22 5	22 6	7 26	10 23	7 21
S 28	7s54	7n18	4n53	8s45	1s36	7n17	0n 8	13n 9	4n16	1s35	1n35	20n30	1s26	22s25	0n 1	21s10	1n28	11n30	10s20	22n 3	22n 5	7n29	10n24	7s21

Julian Day Number = 2323376.5, Delta T = 43.95 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'32, Lahiri = 18°57'33Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

MARCH 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 36 28	10♓50'22	7♎50	13♓24	19♈25	5°R57	7°R32	9♊32	13♐21	14♐53	8♊ 8	10°R16	10♊35	28♈ 2	11°R 3	M 1
T 2	10 40 24	11°50'23	22°41	15°21	20°36	5♍34	7♎26	9°34	13°22	14°54	8° 9	10♊ 8	10°32	28° 9	10♌59	T 2
W 3	10 44 21	12°50'21	7♏22	17°18	21°47	5°11	7°20	9°37	13°23	14°54	8° 9	10° 3	10°29	28°15	10°56	W 3
T 4	10 48 17	13°50'19	21°47	19°15	22°58	4°48	7°13	9°39	13°23	14°55	8° 9	10° 0	10°26	28°22	10°52	T 4
F 5	10 52 14	14°50'14	5♐53	21°12	24° 8	4°25	7° 7	9°42	13°24	14°55	8° 9	9°59	10°23	28°29	10°49	F 5
S 6	10 56 10	15°50'08	19°41	23°10	25°19	4° 2	7° 0	9°45	13°25	14°55	8°10	9°59	10°19	28°36	10°45	S 6
S 7	11 0 7	16°50'00	3♑12	25° 8	26°30	3°40	6°53	9°48	13°25	14°56	8°10	9°59	10°16	28°42	10°42	S 7
M 8	11 4 4	17°49'51	16°27	27° 5	27°40	3°18	6°46	9°51	13°26	14°56	8°10	9°56	10°13	28°49	10°39	M 8
T 9	11 8 0	18°49'40	29°27	29° 2	28°50	2°57	6°39	9°54	13°26	14°56	8°11	9°51	10°10	28°56	10°36	T 9
W10	11 11 57	19°49'27	12♒16	0♈57	0♉ 0	2°36	6°32	9°57	13°27	14°56	8°11	9°43	10° 7	29° 2	10°33	W10
T 11	11 15 53	20°49'12	24°54	2°52	1°10	2°15	6°25	10° 0	13°27	14°57	8°11	9°32	10° 3	29° 9	10°30	T 11
F 12	11 19 50	21°48'56	7♓21	4°44	2°20	1°55	6°18	10° 3	13°28	14°57	8°12	9°19	10° 0	29°16	10°27	F 12
S 13	11 23 46	22°48'37	19°39	6°35	3°30	1°36	6°10	10° 7	13°28	14°57	8°12	9° 5	9°57	29°22	10°24	S 13
S 14	11 27 43	23°48'16	1♈48	8°23	4°40	1°17	6° 3	10°10	13°28	14°57	8°13	8°51	9°54	29°29	10°21	S 14
M15	11 31 39	24°47'53	13°48	10° 8	5°49	0°59	5°56	10°14	13°28	14°57	8°13	8°39	9°51	29°36	10°19	M15
T 16	11 35 36	25°47'28	25°41	11°49	6°58	0°41	5°48	10°18	13°28	14°57	8°14	8°29	9°48	29°42	10°16	T 16
W17	11 39 33	26°47'01	7♉30	13°27	8° 8	0°24	5°41	10°22	13°28	14°R57	8°14	8°22	9°44	29°49	10°14	W17
T 18	11 43 29	27°46'32	19°18	15° 0	9°17	0° 8	5°33	10°26	13°R28	14°57	8°15	8°18	9°41	29°56	10°11	T 18
F 19	11 47 26	28°46'01	1♊ 7	16°28	10°26	29♌52	5°25	10°30	13°28	14°57	8°15	8°16	9°38	0♉ 2	10° 9	F 19
S 20	11 51 22	29°45'27	13° 3	17°51	11°34	29°37	5°18	10°34	13°28	14°57	8°16	8°D16	9°35	0° 9	10° 7	S 20
S 21	11 55 19	0♈44'51	25°11	19° 9	12°43	29°23	5°10	10°38	13°28	14°57	8°16	8°R17	9°32	0°16	10° 5	S 21
M22	11 59 15	1°44'13	7♋37	20°20	13°51	29°10	5° 2	10°42	13°28	14°57	8°17	8°17	9°29	0°22	10° 3	M22
T 23	12 3 12	2°43'32	20°24	21°26	15° 0	28°57	4°55	10°47	13°28	14°57	8°18	8°15	9°25	0°29	10° 1	T 23
W24	12 7 8	3°42'49	3♌38	22°25	16° 8	28°46	4°47	10°51	13°28	14°56	8°18	8°11	9°22	0°36	9°59	W24
T 25	12 11 5	4°42'04	17°22	23°17	17°16	28°35	4°39	10°56	13°27	14°56	8°19	8° 5	9°19	0°42	9°58	T 25
F 26	12 15 2	5°41'16	1♍35	24° 2	18°23	28°24	4°31	11° 0	13°27	14°56	8°20	7°57	9°16	0°49	9°56	F 26
S 27	12 18 58	6°40'26	16°15	24°41	19°31	28°15	4°24	11° 5	13°26	14°55	8°21	7°48	9°13	0°56	9°55	S 27
S 28	12 22 55	7°39'34	1♎14	25°12	20°38	28° 6	4°16	11°10	13°26	14°55	8°21	7°39	9° 9	1° 2	9°53	S 28
M29	12 26 51	8°38'39	16°25	25°36	21°45	27°58	4° 8	11°15	13°25	14°55	8°22	7°30	9° 6	1° 9	9°52	M29
T 30	12 30 48	9°37'43	1♏36	25°53	22°52	27°51	4° 1	11°20	13°25	14°54	8°23	7°24	9° 3	1°16	9°51	T 30
W31	12 34 44	10♈36'45	16♏37	26♈ 3	23♉59	27♌45	3♎53	11♊25	13♐24	14♐54	8♊24	7♊20	9♊ 0	1♉22	9♌50	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7s31	0n58	4n27	7s55	1s30	7n47	0n12	13n17	4n15	1s33	1n35	20n30	1s26	22s25	0n 1	21s10	1n28	11n30	10s20	22n 2	22n 5	7n32	10n25	7s20
T 2	7 8	5s24	3 42	7 4	1 24	8 18	0 15	13 25	4 14	1 30	1 35	20 31	1 26	22 25	0 1	21 10	1 28	11 30	10 20	22 1	22 4	7 35	10 27	7 20
W 3	6 45	11 25	2 43	6 12	1 17	8 48	0 19	13 33	4 12	1 27	1 35	20 32	1 26	22 26	0 1	21 10	1 28	11 30	10 20	22 0	22 4	7 38	10 28	7 19
T 4	6 22	16 43	1 35	5 19	1 9	9 18	0 23	13 40	4 11	1 25	1 35	20 32	1 25	22 26	0 1	21 10	1 28	11 31	10 19	22 0	22 3	7 41	10 30	7 19
F 5	5 59	20 59	0 22	4 25	1 1	9 47	0 26	13 47	4 10	1 22	1 35	20 33	1 25	22 26	0 1	21 10	1 28	11 31	10 19	21 59	22 3	7 44	10 31	7 18
S 6	5 36	23 56	0s51	3 31	0 52	10 17	0 30	13 54	4 9	1 19	1 36	20 33	1 25	22 26	0 1	21 10	1 29	11 31	10 19	21 59	22 2	7 47	10 33	7 18
S 7	5 13	25 26	1 59	2 35	0 42	10 46	0 34	14 1	4 7	1 16	1 36	20 34	1 25	22 26	0 1	21 10	1 29	11 32	10 18	21 59	22 2	7 50	10 34	7 17
M 8	4 49	25 27	3 0	1 40	0 33	11 15	0 38	14 8	4 6	1 14	1 36	20 35	1 24	22 26	0 1	21 10	1 29	11 32	10 18	21 59	22 1	7 53	10 36	7 16
T 9	4 26	24 3	3 50	0 43	0 22	11 44	0 42	14 14	4 4	1 11	1 36	20 35	1 24	22 26	0 1	21 10	1 29	11 32	10 18	21 58	22 1	7 56	10 37	7 16
W10	4 2	21 25	4 27	0n13	0 11	12 12	0 46	14 20	4 2	1 8	1 36	20 36	1 24	22 26	0 1	21 10	1 29	11 33	10 18	21 57	22 1	7 59	10 38	7 15
T 11	3 39	17 48	4 51	1 9	0n 0	12 41	0 49	14 26	4 0	1 5	1 36	20 37	1 24	22 26	0 1	21 10	1 29	11 33	10 17	21 55	22 0	8 2	10 40	7 14
F 12	3 15	13 28	5 0	2 4	0 12	13 9	0 53	14 31	3 59	1 2	1 36	20 38	1 23	22 26	0 1	21 10	1 29	11 33	10 17	21 53	22 0	8 5	10 41	7 14
S 13	2 52	8 38	4 55	2 59	0 24	13 36	0 57	14 36	3 57	0 59	1 36	20 38	1 23	22 26	0 1	21 10	1 29	11 34	10 17	21 51	21 59	8 8	10 43	7 13
S 14	2 28	3 31	4 37	3 53	0 36	14 4	1 1	14 41	3 55	0 56	1 37	20 39	1 23	22 26	0 1	21 10	1 29	11 34	10 17	21 49	21 59	8 11	10 44	7 13
M15	2 4	1n40	4 7	4 46	0 49	14 31	1 5	14 46	3 53	0 53	1 37	20 40	1 23	22 26	0 1	21 10	1 29	11 34	10 16	21 47	21 58	8 14	10 45	7 12
T 16	1 41	6 45	3 25	5 38	1 2	14 57	1 9	14 50	3 50	0 50	1 37	20 41	1 23	22 26	0 1	21 10	1 29	11 35	10 16	21 46	21 58	8 17	10 47	7 11
W17	1 17	11 35	2 36	6 27	1 14	15 24	1 13	14 54	3 48	0 47	1 37	20 41	1 22	22 26	0 1	21 10	1 29	11 35	10 16	21 45	21 57	8 20	10 48	7 10
T 18	0 53	16 0	1 39	7 15	1 27	15 50	1 17	14 58	3 46	0 44	1 37	20 42	1 22	22 26	0 1	21 10	1 29	11 35	10 16	21 44	21 57	8 23	10 49	7 10
F 19	0 29	19 48	0 38	8 0	1 39	16 15	1 21	15 2	3 44	0 41	1 37	20 43	1 22	22 26	0 1	21 10	1 29	11 36	10 15	21 44	21 56	8 26	10 50	7 9
S 20	0 6	22 50	0n25	8 44	1 51	16 40	1 25	15 5	3 41	0 38	1 37	20 44	1 22	22 26	0 1	21 9	1 29	11 36	10 15	21 44	21 56	8 29	10 52	7 8
S 21	0n18	24 53	1 29	9 24	2 3	17 5	1 28	15 7	3 39	0 34	1 37	20 44	1 21	22 26	0 1	21 9	1 29	11 36	10 15	21 44	21 55	8 32	10 53	7 8
M22	0 42	25 45	2 30	10 1	2 14	17 30	1 32	15 10	3 37	0 31	1 37	20 45	1 21	22 26	0 1	21 9	1 29	11 37	10 15	21 44	21 55	8 35	10 54	7 7
T 23	1 5	25 18	3 25	10 36	2 24	17 54	1 36	15 12	3 34	0 28	1 37	20 46	1 21	22 26	0 1	21 9	1 29	11 37	10 14	21 44	21 54	8 38	10 55	7 6
W24	1 29	23 26	4 11	11 7	2 34	18 18	1 40	15 14	3 32	0 25	1 37	20 47	1 21	22 26	0 1	21 9	1 29	11 37	10 14	21 43	21 54	8 41	10 56	7 5
T 25	1 52	20 10	4 45	11 35	2 43	18 41	1 44	15 16	3 29	0 22	1 37	20 48	1 21	22 26	0 1	21 9	1 29	11 38	10 14	21 42	21 53	8 44	10 58	7 5
F 26	2 16	15 38	5 2	11 59	2 51	19 4	1 48	15 17	3 27	0 19	1 37	20 49	1 20	22 26	0 1	21 9	1 29	11 38	10 14	21 41	21 53	8 47	10 59	7 4
S 27	2 39	10 3	5 1	12 20	2 58	19 26	1 51	15 18	3 24	0 16	1 37	20 50	1 20	22 26	0 1	21 9	1 29	11 38	10 13	21 39	21 52	8 50	11 0	7 3
S 28	3 3	3 46	4 39	12 37	3 4	19 48	1 55	15 19	3 22	0 13	1 37	20 50	1 20	22 26	0 1	21 9	1 29	11 39	10 13	21 38	21 52	8 52	11 1	7 2
M29	3 26	2s49	3 57	12 51	3 9	20 9	1 59	15 19	3 19	0 10	1 37	20 51	1 20	22 26	0 1	21 9	1 30	11 39	10 13	21 36	21 52	8 55	11 2	7 2
T 30	3 49	9 15	2 59	13 0	3 12	20 30	2 3	15 19	3 17	0 7	1 37	20 52	1 20	22 26	0 1	21 9	1 30	11 39	10 13	21 35	21 51	8 58	11 3	7 1
W31	4n13	15s 6	1n48	13n 6	3n15	20n51	2n 6	15n19	3n14	0s 4	1n37	20n53	1s19	22s26	0n 1	21s 9	1n30	11n40	10s13	21n35	21n51	9n 1	11n 4	7s 0

Julian Day Number = 2323404.5, Delta T = 43.90 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'36, Lahiri = 18°57'37Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

APRIL 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 38 41	11♈35'45	1♐22	26°R 6	25♉ 6	27°R39	3°R45	11♊30	13°R23	14°R53	8♊24	7°D18	8♊57	1♉29	9°R49	T 1
F 2	12 42 37	12°34'43	15°44	26♈ 2	26°12	27♌34	3♎38	11°35	13♐23	14♐53	8°25	7♊18	8°54	1°36	9♌48	F 2
S 3	12 46 34	13°33'40	29°42	25°52	27°18	27°30	3°30	11°40	13°22	14°52	8°26	7°19	8°50	1°42	9°48	S 3
S 4	12 50 31	14°32'35	13♑16	25°36	28°24	27°27	3°23	11°46	13°21	14°52	8°27	7°R20	8°47	1°49	9°47	S 4
M 5	12 54 27	15°31'28	26°28	25°14	29°30	27°25	3°15	11°51	13°20	14°51	8°28	7°19	8°44	1°56	9°46	M 5
T 6	12 58 24	16°30'19	9♒22	24°47	0♊35	27°23	3° 8	11°57	13°19	14°51	8°29	7°17	8°41	2° 2	9°46	T 6
W 7	13 2 20	17°29'09	21°59	24°15	1°41	27°22	3° 1	12° 2	13°18	14°50	8°30	7°12	8°38	2° 9	9°46	W 7
T 8	13 6 17	18°27'56	4♓24	23°40	2°46	27°D22	2°53	12° 8	13°17	14°49	8°31	7° 5	8°35	2°16	9°46	T 8
F 9	13 10 13	19°26'42	16°38	23° 1	3°50	27°22	2°46	12°14	13°16	14°48	8°32	6°57	8°31	2°22	9°D46	F 9
S 10	13 14 10	20°25'26	28°43	22°20	4°55	27°23	2°39	12°19	13°15	14°48	8°33	6°48	8°28	2°29	9°46	S 10
S 11	13 18 6	21°24'08	10♈41	21°37	5°59	27°25	2°32	12°25	13°14	14°47	8°33	6°39	8°25	2°36	9°46	S 11
M12	13 22 3	22°22'48	22°34	20°54	7° 3	27°28	2°25	12°31	13°13	14°46	8°34	6°31	8°22	2°42	9°46	M12
T 13	13 25 59	23°21'26	4♉24	20°11	8° 7	27°31	2°18	12°37	13°11	14°45	8°35	6°25	8°19	2°49	9°46	T 13
W14	13 29 56	24°20'03	16°12	19°28	9°10	27°35	2°11	12°43	13°10	14°44	8°37	6°21	8°15	2°56	9°47	W14
T 15	13 33 53	25°18'37	28° 0	18°47	10°13	27°40	2° 5	12°49	13° 9	14°44	8°38	6°19	8°12	3° 2	9°47	T 15
F 16	13 37 49	26°17'09	9♊52	18° 9	11°16	27°46	1°58	12°55	13° 7	14°43	8°39	6°D19	8° 9	3° 9	9°48	F 16
S 17	13 41 46	27°15'39	21°51	17°33	12°19	27°52	1°52	13° 2	13° 6	14°42	8°40	6°20	8° 6	3°16	9°49	S 17
S 18	13 45 42	28°14'07	4♋ 1	17° 0	13°21	27°59	1°45	13° 8	13° 4	14°41	8°41	6°21	8° 3	3°23	9°50	S 18
M19	13 49 39	29°12'33	16°27	16°32	14°23	28° 6	1°39	13°14	13° 3	14°40	8°42	6°23	8° 0	3°29	9°51	M19
T 20	13 53 35	0♉10'57	29°12	16° 7	15°25	28°14	1°33	13°21	13° 1	14°39	8°43	6°R23	7°56	3°36	9°52	T 20
W21	13 57 32	1° 9'19	12♌21	15°48	16°26	28°23	1°27	13°27	13° 0	14°38	8°44	6°23	7°53	3°43	9°53	W21
T 22	14 1 29	2° 7'38	25°57	15°32	17°27	28°32	1°21	13°34	12°58	14°37	8°45	6°21	7°50	3°49	9°55	T 22
F 23	14 5 25	3° 5'56	10♍ 2	15°22	18°27	28°42	1°16	13°40	12°56	14°36	8°46	6°17	7°47	3°56	9°56	F 23
S 24	14 9 22	4° 4'11	24°33	15°16	19°27	28°52	1°10	13°47	12°55	14°34	8°48	6°13	7°44	4° 3	9°58	S 24
S 25	14 13 18	5° 2'24	9♎28	15°D16	20°27	29° 3	1° 5	13°53	12°53	14°33	8°49	6° 9	7°40	4° 9	9°59	S 25
M26	14 17 15	6° 0'35	24°37	15°20	21°26	29°15	0°59	14° 0	12°51	14°32	8°50	6° 4	7°37	4°16	10° 1	M26
T 27	14 21 11	6°58'45	9♏53	15°29	22°25	29°27	0°54	14° 7	12°49	14°31	8°51	6° 1	7°34	4°23	10° 3	T 27
W28	14 25 8	7°56'52	25° 4	15°42	23°24	29°40	0°49	14°14	12°48	14°30	8°52	6° 0	7°31	4°29	10° 5	W28
T 29	14 29 4	8°54'59	10♐ 1	16° 1	24°22	29°53	0°44	14°21	12°46	14°29	8°53	5°D59	7°28	4°36	10° 7	T 29
F 30	14 33 1	9♉53'04	24♐37	16♈23	25♊19	0♍ 6	0♎40	14♊27	12♐44	14♐27	8♊55	6♊ 0	7♊25	4♉43	10♌ 9	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n36	19s57	0n32	13n 8	3n15	21n11	2n10	15n18	3n12	0s 1	1n37	20n54	1s19	22s26	0n 1	21s 9	1n30	11n40	10s12	21n34	21n50	9n 4	11n 5	6s59
F 2	4 59	23 28	0s45	13 6	3 15	21 30	2 13	15 18	3 9	0n 2	1 37	20 55	1 19	22 26	0 1	21 9	1 30	11 40	10 12	21 34	21 50	9 7	11 6	6 58
S 3	5 22	25 26	1 57	13 0	3 13	21 49	2 17	15 17	3 6	0 5	1 37	20 56	1 19	22 26	0 1	21 8	1 30	11 41	10 12	21 34	21 49	9 10	11 7	6 58
S 4	5 45	25 49	3 1	12 51	3 9	22 7	2 20	15 15	3 4	0 8	1 37	20 57	1 19	22 26	0 1	21 8	1 30	11 41	10 12	21 35	21 49	9 13	11 8	6 57
M 5	6 7	24 42	3 53	12 38	3 4	22 25	2 24	15 14	3 1	0 11	1 37	20 58	1 18	22 26	0 1	21 8	1 30	11 41	10 11	21 34	21 48	9 16	11 9	6 56
T 6	6 30	22 18	4 32	12 21	2 57	22 43	2 27	15 12	2 59	0 14	1 37	20 58	1 18	22 25	0 1	21 8	1 30	11 42	10 11	21 34	21 48	9 19	11 10	6 55
W 7	6 53	18 52	4 56	12 2	2 48	23 0	2 31	15 10	2 56	0 17	1 37	20 59	1 18	22 25	0 1	21 8	1 30	11 42	10 11	21 33	21 47	9 22	11 11	6 54
T 8	7 15	14 40	5 7	11 40	2 39	23 16	2 34	15 8	2 54	0 20	1 37	21 0	1 18	22 25	0 1	21 8	1 30	11 42	10 11	21 32	21 47	9 25	11 11	6 54
F 9	7 37	9 56	5 3	11 15	2 27	23 32	2 37	15 5	2 51	0 22	1 36	21 1	1 18	22 25	0 1	21 8	1 30	11 43	10 11	21 31	21 46	9 28	11 12	6 53
S 10	8 0	4 52	4 45	10 48	2 15	23 47	2 40	15 2	2 49	0 25	1 36	21 2	1 17	22 25	0 1	21 8	1 30	11 43	10 10	21 29	21 46	9 31	11 13	6 52
S 11	8 22	0n19	4 15	10 19	2 1	24 2	2 43	14 59	2 46	0 28	1 36	21 3	1 17	22 25	0 1	21 8	1 30	11 43	10 10	21 28	21 45	9 34	11 14	6 51
M12	8 44	5 29	3 34	9 49	1 47	24 16	2 46	14 56	2 44	0 30	1 36	21 4	1 17	22 25	0 1	21 7	1 30	11 44	10 10	21 26	21 45	9 37	11 14	6 50
T 13	9 5	10 26	2 44	9 19	1 31	24 29	2 49	14 53	2 41	0 33	1 36	21 5	1 17	22 24	0 1	21 7	1 30	11 44	10 10	21 25	21 44	9 40	11 15	6 50
W14	9 27	15 0	1 47	8 48	1 15	24 42	2 52	14 49	2 39	0 36	1 36	21 6	1 17	22 24	0 1	21 7	1 30	11 44	10 10	21 25	21 44	9 43	11 16	6 49
T 15	9 49	19 1	0 45	8 17	0 59	24 54	2 55	14 45	2 36	0 38	1 36	21 7	1 17	22 24	0 1	21 7	1 30	11 45	10 9	21 24	21 43	9 46	11 16	6 48
F 16	10 10	22 18	0n19	7 47	0 42	25 6	2 57	14 41	2 34	0 41	1 36	21 8	1 16	22 24	0 1	21 7	1 30	11 45	10 9	21 24	21 43	9 48	11 17	6 47
S 17	10 31	24 38	1 24	7 17	0 25	25 17	3 0	14 36	2 31	0 43	1 36	21 9	1 16	22 24	0 1	21 7	1 30	11 45	10 9	21 24	21 42	9 51	11 18	6 46
S 18	10 52	25 51	2 25	6 49	0 8	25 28	3 2	14 32	2 29	0 45	1 35	21 10	1 16	22 24	0 1	21 7	1 30	11 46	10 9	21 25	21 42	9 54	11 18	6 45
M19	11 13	25 48	3 21	6 23	0s 8	25 38	3 5	14 27	2 27	0 48	1 35	21 11	1 16	22 23	0 1	21 6	1 30	11 46	10 9	21 25	21 41	9 57	11 19	6 45
T 20	11 33	24 25	4 9	5 59	0 25	25 47	3 7	14 22	2 24	0 50	1 35	21 12	1 16	22 23	0 1	21 6	1 30	11 46	10 9	21 25	21 41	10 0	11 19	6 44
W21	11 54	21 41	4 45	5 36	0 40	25 56	3 9	14 17	2 22	0 52	1 35	21 13	1 15	22 23	0 1	21 6	1 30	11 47	10 8	21 25	21 40	10 3	11 20	6 43
T 22	12 14	17 42	5 7	5 16	0 56	26 4	3 12	14 11	2 20	0 55	1 35	21 14	1 15	22 23	0 1	21 6	1 30	11 47	10 8	21 25	21 39	10 6	11 20	6 42
F 23	12 34	12 38	5 12	4 59	1 10	26 12	3 14	14 6	2 17	0 57	1 35	21 14	1 15	22 23	0 1	21 6	1 30	11 47	10 8	21 24	21 39	10 9	11 21	6 41
S 24	12 54	6 42	4 57	4 44	1 24	26 19	3 15	14 0	2 15	0 59	1 34	21 15	1 15	22 23	0 1	21 6	1 30	11 48	10 8	21 23	21 38	10 12	11 21	6 40
S 25	13 14	0 15	4 21	4 32	1 37	26 25	3 17	13 54	2 13	1 1	1 34	21 16	1 15	22 22	0 1	21 6	1 30	11 48	10 8	21 23	21 38	10 15	11 21	6 40
M26	13 33	6s20	3 27	4 22	1 50	26 31	3 19	13 48	2 11	1 3	1 34	21 17	1 15	22 22	0 1	21 5	1 30	11 48	10 8	21 22	21 37	10 18	11 22	6 39
T 27	13 52	12 37	2 18	4 15	2 1	26 36	3 20	13 42	2 8	1 5	1 34	21 18	1 15	22 22	0 1	21 5	1 31	11 49	10 7	21 21	21 37	10 21	11 22	6 38
W28	14 11	18 6	1 0	4 10	2 12	26 41	3 22	13 35	2 6	1 6	1 34	21 19	1 14	22 22	0 1	21 5	1 31	11 49	10 7	21 21	21 36	10 24	11 22	6 37
T 29	14 30	22 22	0s22	4 8	2 22	26 45	3 23	13 28	2 4	1 8	1 34	21 20	1 14	22 21	0 1	21 5	1 31	11 49	10 7	21 21	21 36	10 27	11 22	6 36
F 30	14n48	25s 3	1s41	4n 8	2s31	26n48	3n24	13n21	2n 2	1n10	1n33	21n21	1s14	22s21	0n 1	21s 5	1n31	11n50	10s 7	21n21	21n35	10n29	11n23	6s36

Julian Day Number = 2323435.5, Delta T = 43.84 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'40, Lahiri = 18°57'41Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

MAY 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 36 57	10♉51'07	8♋48	16♈51	26♊16	0♍21	0°R35	14♊34	12°R42	14°R26	8♊56	6♊ 2	7♊21	4♉49	10♌12	S 1
S 2	14 40 54	11°49'09	22°32	17°22	27°13	0°35	0♎31	14°41	12♐40	14♐25	8°57	6° 3	7°18	4°56	10°14	S 2
M 3	14 44 51	12°47'09	5♒51	17°57	28° 9	0°50	0°27	14°48	12°38	14°23	8°58	6° 4	7°15	5° 3	10°17	M 3
T 4	14 48 47	13°45'08	18°46	18°36	29° 4	1° 6	0°23	14°55	12°36	14°22	9° 0	6°R 4	7°12	5° 9	10°19	T 4
W 5	14 52 44	14°43'06	1♓22	19°19	29°59	1°22	0°19	15° 3	12°34	14°21	9° 1	6° 3	7° 9	5°16	10°22	W 5
T 6	14 56 40	15°41'03	13°41	20° 6	0♋54	1°39	0°15	15°10	12°32	14°19	9° 2	6° 1	7° 6	5°23	10°25	T 6
F 7	15 0 37	16°38'58	25°48	20°56	1°48	1°56	0°11	15°17	12°30	14°18	9° 3	5°59	7° 2	5°29	10°28	F 7
S 8	15 4 33	17°36'51	7♈45	21°49	2°41	2°13	0° 8	15°24	12°27	14°17	9° 5	5°56	6°59	5°36	10°31	S 8
S 9	15 8 30	18°34'44	19°37	22°46	3°34	2°31	0° 5	15°31	12°25	14°15	9° 6	5°53	6°56	5°43	10°34	S 9
M10	15 12 26	19°32'35	1♉26	23°45	4°26	2°49	0° 2	15°39	12°23	14°14	9° 7	5°51	6°53	5°49	10°37	M10
T 11	15 16 23	20°30'24	13°14	24°48	5°17	3° 8	29♍59	15°46	12°21	14°12	9° 9	5°49	6°50	5°56	10°40	T 11
W12	15 20 20	21°28'13	25° 4	25°54	6° 8	3°27	29°56	15°53	12°19	14°11	9°10	5°48	6°46	6° 3	10°44	W12
T 13	15 24 16	22°26'00	6♊57	27° 2	6°58	3°47	29°54	16° 1	12°16	14° 9	9°11	5°D47	6°43	6° 9	10°47	T 13
F 14	15 28 13	23°23'45	18°57	28°13	7°47	4° 7	29°51	16° 8	12°14	14° 8	9°13	5°48	6°40	6°16	10°51	F 14
S 15	15 32 9	24°21'29	1♋ 5	29°27	8°36	4°27	29°49	16°16	12°12	14° 7	9°14	5°49	6°37	6°23	10°54	S 15
S 16	15 36 6	25°19'12	13°23	0♌44	9°24	4°48	29°47	16°23	12° 9	14° 5	9°15	5°50	6°34	6°29	10°58	S 16
M17	15 40 2	26°16'53	25°56	2° 3	10°11	5° 9	29°45	16°31	12° 7	14° 4	9°17	5°51	6°31	6°36	11° 2	M17
T 18	15 43 59	27°14'32	8♌45	3°25	10°57	5°30	29°44	16°38	12° 5	14° 2	9°18	5°51	6°27	6°43	11° 6	T 18
W19	15 47 56	28°12'10	21°54	4°49	11°42	5°52	29°42	16°46	12° 2	14° 0	9°19	5°52	6°24	6°49	11°10	W19
T 20	15 51 52	29° 9'46	5♍25	6°16	12°26	6°14	29°41	16°53	12° 0	13°59	9°21	5°R52	6°21	6°56	11°14	T 20
F 21	15 55 49	0♊ 7'21	19°19	7°45	13° 9	6°37	29°40	17° 1	11°58	13°57	9°22	5°51	6°18	7° 3	11°18	F 21
S 22	15 59 45	1° 4'54	3♎37	9°17	13°52	7° 0	29°39	17° 9	11°55	13°56	9°24	5°51	6°15	7° 9	11°23	S 22
S 23	16 3 42	2° 2'26	18°15	10°51	14°33	7°23	29°38	17°16	11°53	13°54	9°25	5°50	6°12	7°16	11°27	S 23
M24	16 7 38	2°59'56	3♏10	12°27	15°13	7°46	29°38	17°24	11°50	13°53	9°26	5°50	6° 8	7°23	11°32	M24
T 25	16 11 35	3°57'26	18°13	14° 6	15°52	8°10	29°37	17°32	11°48	13°51	9°28	5°50	6° 5	7°29	11°36	T 25
W26	16 15 31	4°54'54	3♐17	15°48	16°30	8°34	29°37	17°39	11°46	13°49	9°29	5°D50	6° 2	7°36	11°41	W26
T 27	16 19 28	5°52'21	18°13	17°32	17° 7	8°58	29°D37	17°47	11°43	13°48	9°30	5°R50	5°59	7°43	11°46	T 27
F 28	16 23 25	6°49'47	2♑53	19°18	17°42	9°23	29°37	17°55	11°41	13°46	9°32	5°50	5°56	7°49	11°50	F 28
S 29	16 27 21	7°47'13	17°11	21° 6	18°16	9°48	29°37	18° 2	11°38	13°45	9°33	5°50	5°52	7°56	11°55	S 29
S 30	16 31 18	8°44'37	1♒ 3	22°57	18°49	10°13	29°38	18°10	11°36	13°43	9°35	5°49	5°49	8° 2	12° 0	S 30
M31	16 35 14	9♊42'01	14♒30	24♉50	19♋21	10♍39	29♍39	18♊18	11♐33	13♐41	9♊36	5♊49	5♊46	8♉ 9	12♌ 5	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 7	26s 2	2s51	4n11	2s39	26n51	3n25	13n14	2n 0	1n11	1n33	21n22	1s14	22s21	0n 1	21s 5	1n31	11n50	10s 7	21n21	21n35	10n32	11n23	6s35
S 2	15 25	25 21	3 49	4 17	2 46	26 53	3 26	13 7	1 58	1 13	1 33	21 23	1 14	22 21	0 1	21 4	1 31	11 50	10 7	21 22	21 34	10 35	11 23	6 34
M 3	15 42	23 15	4 32	4 24	2 52	26 55	3 27	13 0	1 56	1 14	1 33	21 24	1 14	22 20	0 1	21 4	1 31	11 51	10 7	21 22	21 34	10 38	11 23	6 33
T 4	16 0	19 59	5 1	4 34	2 58	26 56	3 27	12 52	1 54	1 16	1 33	21 25	1 14	22 20	0 1	21 4	1 31	11 51	10 6	21 22	21 33	10 41	11 23	6 32
W 5	16 17	15 54	5 14	4 46	3 3	26 57	3 28	12 45	1 52	1 17	1 32	21 26	1 13	22 20	0 1	21 4	1 31	11 51	10 6	21 22	21 33	10 44	11 23	6 32
T 6	16 34	11 14	5 12	4 59	3 7	26 57	3 28	12 37	1 50	1 19	1 32	21 27	1 13	22 20	0 1	21 4	1 31	11 52	10 6	21 21	21 32	10 47	11 23	6 31
F 7	16 51	6 12	4 57	5 15	3 10	26 57	3 28	12 29	1 48	1 20	1 32	21 28	1 13	22 19	0 1	21 4	1 31	11 52	10 6	21 21	21 32	10 50	11 23	6 30
S 8	17 7	1 1	4 28	5 33	3 12	26 56	3 28	12 21	1 46	1 21	1 32	21 29	1 13	22 19	0 1	21 3	1 31	11 52	10 6	21 20	21 31	10 53	11 23	6 29
S 9	17 23	4n10	3 48	5 52	3 14	26 54	3 28	12 13	1 44	1 22	1 31	21 29	1 13	22 19	0 1	21 3	1 31	11 52	10 6	21 20	21 31	10 56	11 23	6 28
M10	17 39	9 12	2 59	6 13	3 15	26 52	3 28	12 4	1 42	1 23	1 31	21 30	1 13	22 19	0 1	21 3	1 31	11 53	10 6	21 19	21 30	10 59	11 23	6 28
T 11	17 55	13 55	2 2	6 36	3 15	26 50	3 27	11 56	1 40	1 24	1 31	21 31	1 13	22 18	0 1	21 3	1 31	11 53	10 6	21 19	21 30	11 2	11 23	6 27
W12	18 10	18 7	0 59	7 0	3 14	26 47	3 26	11 47	1 38	1 25	1 31	21 32	1 12	22 18	0 1	21 3	1 31	11 53	10 5	21 19	21 29	11 4	11 23	6 26
T 13	18 25	21 37	0n 6	7 26	3 13	26 43	3 25	11 38	1 36	1 26	1 31	21 33	1 12	22 18	0 1	21 2	1 31	11 54	10 5	21 19	21 28	11 7	11 23	6 25
F 14	18 40	24 14	1 12	7 53	3 11	26 39	3 24	11 29	1 34	1 26	1 30	21 34	1 12	22 17	0 1	21 2	1 31	11 54	10 5	21 19	21 28	11 10	11 22	6 24
S 15	18 54	25 45	2 16	8 21	3 9	26 35	3 23	11 20	1 33	1 27	1 30	21 35	1 12	22 17	0 1	21 2	1 31	11 54	10 5	21 19	21 27	11 13	11 22	6 24
S 16	19 8	26 1	3 14	8 51	3 6	26 30	3 21	11 11	1 31	1 28	1 30	21 36	1 12	22 17	0 1	21 2	1 31	11 54	10 5	21 19	21 27	11 16	11 22	6 23
M17	19 22	24 59	4 4	9 22	3 2	26 25	3 20	11 1	1 29	1 28	1 30	21 37	1 12	22 17	0 1	21 2	1 31	11 55	10 5	21 19	21 26	11 19	11 22	6 22
T 18	19 35	22 39	4 43	9 54	2 58	26 19	3 18	10 52	1 27	1 28	1 29	21 37	1 12	22 16	0 1	21 1	1 31	11 55	10 5	21 19	21 26	11 22	11 21	6 21
W19	19 48	19 5	5 8	10 27	2 53	26 13	3 15	10 42	1 26	1 29	1 29	21 38	1 12	22 16	0 1	21 1	1 31	11 55	10 5	21 20	21 25	11 25	11 21	6 21
T 20	20 1	14 27	5 17	11 0	2 47	26 6	3 13	10 32	1 24	1 29	1 29	21 39	1 11	22 16	0 1	21 1	1 31	11 56	10 5	21 20	21 25	11 28	11 21	6 20
F 21	20 13	8 58	5 9	11 35	2 41	25 59	3 10	10 22	1 22	1 29	1 29	21 40	1 11	22 15	0 1	21 1	1 31	11 56	10 5	21 20	21 24	11 31	11 20	6 19
S 22	20 25	2 51	4 41	12 10	2 35	25 52	3 7	10 12	1 20	1 29	1 28	21 41	1 11	22 15	0 1	21 1	1 31	11 56	10 5	21 19	21 24	11 33	11 20	6 19
S 23	20 37	3s33	3 55	12 46	2 27	25 45	3 4	10 2	1 19	1 29	1 28	21 42	1 11	22 15	0 1	21 1	1 31	11 56	10 4	21 19	21 23	11 36	11 19	6 18
M24	20 48	9 54	2 52	13 23	2 20	25 37	3 1	9 52	1 17	1 29	1 28	21 43	1 11	22 14	0 1	21 0	1 31	11 57	10 4	21 19	21 22	11 39	11 19	6 17
T 25	20 59	15 45	1 36	14 0	2 12	25 28	2 57	9 41	1 15	1 29	1 28	21 43	1 11	22 14	0 1	21 0	1 31	11 57	10 4	21 19	21 22	11 42	11 18	6 16
W26	21 9	20 37	0 14	14 38	2 3	25 20	2 53	9 31	1 14	1 29	1 27	21 44	1 11	22 14	0 1	21 0	1 31	11 57	10 4	21 19	21 21	11 45	11 18	6 16
T 27	21 20	24 6	1s 8	15 16	1 54	25 11	2 49	9 20	1 12	1 29	1 27	21 45	1 11	22 13	0 1	21 0	1 31	11 57	10 4	21 19	21 21	11 48	11 17	6 15
F 28	21 30	25 52	2 25	15 54	1 45	25 2	2 44	9 9	1 11	1 29	1 27	21 46	1 11	22 13	0 1	21 0	1 31	11 58	10 4	21 19	21 20	11 51	11 16	6 14
S 29	21 39	25 51	3 30	16 32	1 36	24 52	2 40	8 59	1 9	1 28	1 27	21 47	1 11	22 13	0 1	20 59	1 31	11 58	10 4	21 19	21 20	11 54	11 16	6 14
S 30	21 48	24 12	4 21	17 10	1 26	24 43	2 35	8 48	1 8	1 28	1 26	21 47	1 10	22 12	0 1	20 59	1 31	11 58	10 4	21 19	21 19	11 56	11 15	6 13
M31	21n57	21s14	4s56	17n48	1s15	24n33	2n29	8n36	1n 6	1n27	1n26	21n48	1s10	22s12	0n 1	20s59	1n31	11n58	10s 4	21n19	21n19	11n59	11n14	6s12

Julian Day Number = 2323465.5, Delta T = 43.78 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'45, Lahiri = 18°57'45Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1649
geocentric

JUNE 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 39 11	10♊39'24	27♒30	26♉46	19♋51	11♍ 4	29♍40	18♊26	11°R31	13°R40	9♊37	5°R49	5♊43	8♉16	12♌10	T 1
W 2	16 43 7	11°36'47	10♓ 9	28°43	20°19	11°30	29°41	18°34	11♐28	13♐38	9°39	5°D49	5°40	8°22	12°16	W 2
T 3	16 47 4	12°34'09	22°28	0♊43	20°46	11°57	29°42	18°41	11°26	13°37	9°40	5♊49	5°37	8°29	12°21	T 3
F 4	16 51 0	13°31'30	4♈34	2°45	21°11	12°23	29°43	18°49	11°23	13°35	9°41	5°49	5°33	8°36	12°26	F 4
S 5	16 54 57	14°28'51	16°29	4°49	21°35	12°50	29°45	18°57	11°21	13°33	9°43	5°50	5°30	8°42	12°32	S 5
S 6	16 58 54	15°26'11	28°18	6°54	21°57	13°17	29°47	19° 5	11°18	13°32	9°44	5°51	5°27	8°49	12°37	S 6
M 7	17 2 50	16°23'31	10♉ 6	9° 2	22°17	13°44	29°49	19°13	11°16	13°30	9°46	5°52	5°24	8°56	12°43	M 7
T 8	17 6 47	17°20'50	21°56	11°10	22°35	14°12	29°51	19°20	11°14	13°28	9°47	5°53	5°21	9° 2	12°48	T 8
W 9	17 10 43	18°18'09	3♊50	13°20	22°52	14°40	29°53	19°28	11°11	13°27	9°48	5°R53	5°18	9° 9	12°54	W 9
T 10	17 14 40	19°15'27	15°52	15°31	23° 6	15° 8	29°56	19°36	11° 9	13°25	9°50	5°53	5°14	9°16	13° 0	T 10
F 11	17 18 36	20°12'45	28° 3	17°42	23°19	15°36	29°58	19°44	11° 6	13°24	9°51	5°52	5°11	9°22	13° 6	F 11
S 12	17 22 33	21°10'02	10♋25	19°54	23°29	16° 4	0♎ 1	19°52	11° 4	13°22	9°52	5°50	5° 8	9°29	13°12	S 12
S 13	17 26 29	22° 7'18	23° 0	22° 5	23°37	16°33	0° 4	20° 0	11° 1	13°20	9°54	5°48	5° 5	9°36	13°18	S 13
M14	17 30 26	23° 4'34	5♌47	24°17	23°44	17° 2	0° 7	20° 7	10°59	13°19	9°55	5°46	5° 2	9°42	13°24	M14
T 15	17 34 23	24° 1'49	18°50	26°28	23°47	17°31	0°10	20°15	10°57	13°17	9°57	5°43	4°58	9°49	13°30	T 15
W16	17 38 19	24°59'04	2♍ 7	28°39	23°R49	18° 1	0°14	20°23	10°54	13°16	9°58	5°41	4°55	9°56	13°36	W16
T 17	17 42 16	25°56'17	15°41	0♋48	23°48	18°30	0°18	20°31	10°52	13°14	9°59	5°40	4°52	10° 2	13°43	T 17
F 18	17 46 12	26°53'30	29°31	2°57	23°45	19° 0	0°21	20°39	10°50	13°13	10° 1	5°D40	4°49	10° 9	13°49	F 18
S 19	17 50 9	27°50'43	13♎37	5° 4	23°39	19°30	0°25	20°47	10°47	13°11	10° 2	5°41	4°46	10°16	13°55	S 19
S 20	17 54 5	28°47'54	27°58	7°10	23°32	20° 0	0°29	20°54	10°45	13° 9	10° 3	5°42	4°43	10°22	14° 2	S 20
M21	17 58 2	29°45'06	12♏31	9°14	23°21	20°30	0°34	21° 2	10°43	13° 8	10° 4	5°43	4°39	10°29	14° 8	M21
T 22	18 1 58	0♋42'17	27°12	11°16	23° 8	21° 1	0°38	21°10	10°40	13° 6	10° 6	5°44	4°36	10°36	14°15	T 22
W23	18 5 55	1°39'27	11♐56	13°16	22°53	21°32	0°43	21°18	10°38	13° 5	10° 7	5°R44	4°33	10°42	14°21	W23
T 24	18 9 52	2°36'37	26°36	15°15	22°36	22° 2	0°48	21°25	10°36	13° 3	10° 8	5°43	4°30	10°49	14°28	T 24
F 25	18 13 48	3°33'47	11♑ 6	17°12	22°16	22°34	0°52	21°33	10°34	13° 2	10°10	5°41	4°27	10°56	14°35	F 25
S 26	18 17 45	4°30'57	25°19	19° 6	21°54	23° 5	0°57	21°41	10°31	13° 0	10°11	5°37	4°24	11° 2	14°42	S 26
S 27	18 21 41	5°28'07	9♒11	20°59	21°30	23°36	1° 3	21°49	10°29	12°59	10°12	5°33	4°20	11° 9	14°48	S 27
M28	18 25 38	6°25'17	22°39	22°50	21° 3	24° 8	1° 8	21°56	10°27	12°57	10°14	5°28	4°17	11°16	14°55	M28
T 29	18 29 34	7°22'27	5♓43	24°38	20°35	24°40	1°14	22° 4	10°25	12°56	10°15	5°24	4°14	11°22	15° 2	T 29
W30	18 33 31	8♋19'38	18♓24	26♋25	20♋ 5	25♍12	1♎19	22♊12	10♐23	12♐55	10♊16	5♊21	4♊11	11♉29	15♌ 9	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 5	17s16	5s14	18n25	1s 5	24n23	2n23	8n25	1n 4	1n27	1n26	21n49	1s10	22s12	0n 1	20s59	1n31	11n59	10s 4	21n19	21n18	12n 2	11n14	6s12
W 2	22 13	12 39	5 17	19 2	0 54	24 13	2 17	8 14	1 3	1 26	1 26	21 50	1 10	22 12	0 1	20 59	1 31	11 59	10 4	21 19	21 17	12 5	11 13	6 11
T 3	22 21	7 39	5 4	19 38	0 43	24 2	2 11	8 3	1 2	1 25	1 25	21 50	1 10	22 11	0 1	20 58	1 31	11 59	10 4	21 19	21 17	12 8	11 12	6 10
F 4	22 28	2 27	4 39	20 13	0 32	23 52	2 4	7 51	1 0	1 25	1 25	21 51	1 10	22 11	0 1	20 58	1 31	11 59	10 4	21 19	21 16	12 11	11 11	6 10
S 5	22 35	2n47	4 1	20 47	0 21	23 41	1 57	7 39	0 59	1 24	1 25	21 52	1 10	22 11	0 1	20 58	1 31	11 59	10 4	21 19	21 16	12 14	11 10	6 9
S 6	22 41	7 52	3 14	21 20	0 10	23 30	1 50	7 28	0 57	1 23	1 24	21 53	1 10	22 10	0 1	20 58	1 31	12 0	10 4	21 19	21 15	12 17	11 9	6 8
M 7	22 47	12 41	2 18	21 51	0n 1	23 19	1 42	7 16	0 56	1 22	1 24	21 53	1 10	22 10	0 1	20 58	1 31	12 0	10 4	21 20	21 15	12 19	11 8	6 8
T 8	22 53	17 3	1 17	22 21	0 11	23 8	1 34	7 4	0 54	1 21	1 24	21 54	1 10	22 10	0 1	20 57	1 31	12 0	10 4	21 20	21 14	12 22	11 7	6 7
W 9	22 58	20 46	0 11	22 48	0 22	22 57	1 26	6 52	0 53	1 20	1 24	21 55	1 10	22 9	0 1	20 57	1 31	12 0	10 4	21 20	21 14	12 25	11 6	6 7
T 10	23 3	23 39	0n55	23 14	0 32	22 46	1 17	6 40	0 52	1 18	1 23	21 55	1 10	22 9	0 1	20 57	1 31	12 0	10 4	21 20	21 13	12 28	11 5	6 6
F 11	23 7	25 28	2 0	23 37	0 42	22 35	1 8	6 28	0 50	1 17	1 23	21 56	1 9	22 9	0 1	20 57	1 31	12 1	10 4	21 20	21 12	12 31	11 4	6 5
S 12	23 11	26 4	3 0	23 57	0 51	22 23	0 58	6 15	0 49	1 16	1 23	21 57	1 9	22 8	0 0	20 57	1 31	12 1	10 4	21 19	21 12	12 34	11 3	6 5
S 13	23 15	25 20	3 52	24 15	1 0	22 12	0 48	6 3	0 47	1 14	1 23	21 57	1 9	22 8	0 0	20 57	1 31	12 1	10 4	21 19	21 11	12 37	11 2	6 4
M14	23 18	23 16	4 33	24 30	1 8	22 1	0 38	5 50	0 46	1 13	1 22	21 58	1 9	22 8	0 0	20 56	1 31	12 1	10 4	21 19	21 11	12 39	11 1	6 4
T 15	23 21	19 59	5 2	24 42	1 16	21 50	0 27	5 38	0 45	1 11	1 22	21 59	1 9	22 7	0 0	20 56	1 31	12 1	10 4	21 18	21 10	12 42	11 0	6 3
W16	23 23	15 38	5 15	24 52	1 23	21 38	0 16	5 25	0 43	1 10	1 22	21 59	1 9	22 7	0 0	20 56	1 31	12 2	10 4	21 18	21 10	12 45	10 59	6 2
T 17	23 25	10 25	5 11	24 59	1 30	21 27	0 4	5 12	0 42	1 8	1 22	22 0	1 9	22 7	0 0	20 56	1 31	12 2	10 4	21 18	21 9	12 48	10 58	6 2
F 18	23 27	4 36	4 49	25 3	1 35	21 16	0s 8	4 59	0 41	1 6	1 21	22 1	1 9	22 6	0 0	20 56	1 31	12 2	10 4	21 18	21 8	12 51	10 56	6 1
S 19	23 28	1s33	4 9	25 4	1 40	21 5	0 20	4 46	0 40	1 4	1 21	22 1	1 9	22 6	0 0	20 55	1 31	12 2	10 4	21 18	21 8	12 54	10 55	6 1
S 20	23 29	7 46	3 13	25 2	1 45	20 54	0 32	4 33	0 38	1 3	1 21	22 2	1 9	22 6	0 0	20 55	1 31	12 2	10 4	21 18	21 7	12 56	10 54	6 0
M21	23 29	13 39	2 4	24 58	1 48	20 43	0 45	4 20	0 37	1 1	1 21	22 2	1 9	22 5	0 0	20 55	1 31	12 2	10 4	21 18	21 7	12 59	10 52	6 0
T 22	23 29	18 49	0 47	24 51	1 51	20 32	0 58	4 7	0 36	0 59	1 20	22 3	1 9	22 5	0 0	20 55	1 31	12 3	10 4	21 18	21 6	13 2	10 51	5 59
W23	23 29	22 50	0s34	24 42	1 53	20 22	1 12	3 54	0 35	0 57	1 20	22 3	1 9	22 5	0 0	20 55	1 31	12 3	10 4	21 18	21 5	13 5	10 50	5 59
T 24	23 28	25 19	1 52	24 30	1 54	20 11	1 25	3 40	0 33	0 54	1 20	22 4	1 9	22 4	0 0	20 55	1 31	12 3	10 4	21 18	21 5	13 8	10 48	5 58
F 25	23 26	26 3	3 2	24 17	1 55	20 1	1 39	3 27	0 32	0 52	1 20	22 5	1 9	22 4	0 0	20 54	1 31	12 3	10 4	21 18	21 4	13 11	10 47	5 58
S 26	23 25	25 2	3 59	24 1	1 55	19 50	1 53	3 14	0 31	0 50	1 20	22 5	1 8	22 4	0 0	20 54	1 31	12 3	10 4	21 17	21 4	13 13	10 45	5 57
S 27	23 22	22 30	4 40	23 43	1 54	19 40	2 7	3 0	0 30	0 48	1 19	22 6	1 8	22 3	0 0	20 54	1 31	12 3	10 4	21 16	21 3	13 16	10 44	5 57
M28	23 20	18 47	5 5	23 24	1 53	19 30	2 21	2 46	0 29	0 45	1 19	22 6	1 8	22 3	0 0	20 54	1 31	12 3	10 4	21 15	21 3	13 19	10 43	5 56
T 29	23 17	14 16	5 13	23 3	1 50	19 20	2 36	2 33	0 27	0 43	1 19	22 7	1 8	22 3	0 0	20 54	1 30	12 3	10 4	21 15	21 2	13 22	10 41	5 56
W30	23n13	9s16	5s 5	22n40	1n48	19n11	2s50	2n19	0n26	0n41	1n19	22n 7	1s 8	22s 3	0n 0	20s54	1n30	12n 4	10s 4	21n14	21n 1	13n25	10n39	5s55

Julian Day Number = 2323496.5, Delta T = 43.72 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'49, Lahiri = 18°57'49Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

JULY 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 27	9♋16'48	0♈45	28♋ 9	19°R33	25♍44	1♎25	22♊19	10°R21	12°R53	10♊17	5°R19	4♊ 8	11♉36	15♌16	T 1
F 2	18 41 24	10°13'59	12°51	29°52	19♋ 0	26°16	1°31	22°27	10♐19	12♐52	10°18	5°D19	4° 4	11°42	15°23	F 2
S 3	18 45 21	11°11'11	24°47	1♌32	18°26	26°48	1°37	22°34	10°17	12°50	10°20	5♊20	4° 1	11°49	15°30	S 3
S 4	18 49 17	12° 8'22	6♉36	3°10	17°51	27°21	1°43	22°42	10°15	12°49	10°21	5°21	3°58	11°56	15°37	S 4
M 5	18 53 14	13° 5'35	18°25	4°46	17°14	27°54	1°50	22°49	10°13	12°48	10°22	5°23	3°55	12° 2	15°45	M 5
T 6	18 57 10	14° 2'47	0♊17	6°21	16°38	28°27	1°56	22°57	10°11	12°46	10°23	5°R24	3°52	12° 9	15°52	T 6
W 7	19 1 7	15° 0'01	12°17	7°53	16° 0	29° 0	2° 3	23° 4	10° 9	12°45	10°24	5°24	3°49	12°16	15°59	W 7
T 8	19 5 3	15°57'14	24°29	9°23	15°23	29°33	2° 9	23°12	10° 7	12°44	10°26	5°22	3°45	12°22	16° 7	T 8
F 9	19 9 0	16°54'28	6♋53	10°51	14°46	0♎ 6	2°16	23°19	10° 5	12°42	10°27	5°19	3°42	12°29	16°14	F 9
S 10	19 12 57	17°51'43	19°33	12°16	14° 9	0°40	2°23	23°27	10° 4	12°41	10°28	5°13	3°39	12°36	16°21	S 10
S 11	19 16 53	18°48'58	2♌28	13°40	13°32	1°14	2°31	23°34	10° 2	12°40	10°29	5° 6	3°36	12°42	16°29	S 11
M12	19 20 50	19°46'13	15°37	15° 2	12°56	1°48	2°38	23°41	10° 0	12°39	10°30	4°59	3°33	12°49	16°36	M12
T 13	19 24 46	20°43'28	29° 1	16°21	12°22	2°22	2°45	23°49	9°59	12°37	10°31	4°52	3°30	12°55	16°44	T 13
W14	19 28 43	21°40'44	12♍36	17°38	11°48	2°56	2°53	23°56	9°57	12°36	10°32	4°45	3°26	13° 2	16°51	W14
T 15	19 32 39	22°38'00	26°22	18°52	11°16	3°30	3° 0	24° 3	9°55	12°35	10°33	4°41	3°23	13° 9	16°59	T 15
F 16	19 36 36	23°35'16	10♎17	20° 4	10°45	4° 4	3° 8	24°10	9°54	12°34	10°35	4°38	3°20	13°15	17° 7	F 16
S 17	19 40 32	24°32'32	24°20	21°14	10°17	4°39	3°16	24°18	9°52	12°33	10°36	4°D37	3°17	13°22	17°14	S 17
S 18	19 44 29	25°29'49	8♏30	22°21	9°49	5°14	3°24	24°25	9°51	12°32	10°37	4°38	3°14	13°29	17°22	S 18
M19	19 48 26	26°27'06	22°45	23°26	9°24	5°48	3°32	24°32	9°49	12°31	10°38	4°39	3°10	13°35	17°30	M19
T 20	19 52 22	27°24'23	7♐ 4	24°28	9° 1	6°23	3°41	24°39	9°48	12°30	10°39	4°R39	3° 7	13°42	17°37	T 20
W21	19 56 19	28°21'41	21°23	25°27	8°41	6°58	3°49	24°46	9°47	12°29	10°40	4°38	3° 4	13°49	17°45	W21
T 22	20 0 15	29°19'00	5♑38	26°23	8°22	7°34	3°57	24°53	9°45	12°28	10°41	4°35	3° 1	13°55	17°53	T 22
F 23	20 4 12	0♌16'19	19°47	27°16	8° 6	8° 9	4° 6	25° 0	9°44	12°27	10°42	4°29	2°58	14° 2	18° 1	F 23
S 24	20 8 8	1°13'39	3♒43	28° 6	7°52	8°45	4°15	25° 6	9°43	12°26	10°43	4°21	2°55	14° 9	18° 9	S 24
S 25	20 12 5	2°11'00	17°23	28°52	7°41	9°20	4°24	25°13	9°42	12°25	10°43	4°12	2°51	14°15	18°17	S 25
M26	20 16 1	3° 8'21	0♓44	29°35	7°32	9°56	4°33	25°20	9°40	12°24	10°44	4° 2	2°48	14°22	18°25	M26
T 27	20 19 58	4° 5'44	13°44	0♍14	7°25	10°32	4°42	25°27	9°39	12°23	10°45	3°53	2°45	14°29	18°32	T 27
W28	20 23 55	5° 3'07	26°23	0°50	7°21	11° 8	4°51	25°33	9°38	12°22	10°46	3°45	2°42	14°35	18°40	W28
T 29	20 27 51	6° 0'32	8♈44	1°21	7°D19	11°44	5° 0	25°40	9°37	12°22	10°47	3°40	2°39	14°42	18°48	T 29
F 30	20 31 48	6°57'58	20°50	1°48	7°19	12°20	5° 9	25°47	9°36	12°21	10°48	3°36	2°36	14°49	18°56	F 30
S 31	20 35 44	7♌55'25	2♉45	2♍11	7♋22	12♎56	5♎19	25♊53	9♐35	12♐20	10♊49	3♊35	2♊32	14♉55	19♌ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n10	4s 1	4s43	22n17	1n44	19n 1	3s 4	2n 5	0n25	0n38	1n18	22n 8	1s 8	22s 2	0n 0	20s54	1n30	12n 4	10s 4	21n14	21n 1	13n28	10n38	5s55
F 2	23 5	1n17	4 8	21 51	1 40	18 52	3 18	1 51	0 24	0 35	1 18	22 8	1 8	22 2	0 0	20 53	1 30	12 4	10 5	21 14	21 0	13 30	10 36	5 54
S 3	23 1	6 27	3 24	21 25	1 36	18 43	3 32	1 37	0 23	0 33	1 18	22 9	1 8	22 2	0 0	20 53	1 30	12 4	10 5	21 14	21 0	13 33	10 35	5 54
S 4	22 56	11 22	2 31	20 58	1 31	18 34	3 45	1 23	0 22	0 30	1 18	22 9	1 8	22 1	0 0	20 53	1 30	12 4	10 5	21 14	20 59	13 36	10 33	5 53
M 5	22 50	15 53	1 31	20 29	1 25	18 25	3 59	1 9	0 21	0 27	1 17	22 9	1 8	22 1	0 0	20 53	1 30	12 4	10 5	21 14	20 58	13 39	10 31	5 53
T 6	22 45	19 48	0 28	20 0	1 19	18 17	4 12	0 55	0 20	0 25	1 17	22 10	1 8	22 1	0 0	20 53	1 30	12 4	10 5	21 15	20 58	13 42	10 30	5 53
W 7	22 38	22 56	0n37	19 30	1 13	18 9	4 24	0 41	0 19	0 22	1 17	22 10	1 8	22 1	0 0	20 53	1 30	12 4	10 5	21 15	20 57	13 44	10 28	5 52
T 8	22 32	25 4	1 42	19 0	1 6	18 1	4 36	0 27	0 17	0 19	1 17	22 11	1 8	22 0	0 0	20 53	1 30	12 4	10 5	21 14	20 57	13 47	10 26	5 52
F 9	22 25	26 1	2 42	18 29	0 58	17 54	4 48	0 12	0 16	0 16	1 17	22 11	1 8	22 0	0 0	20 52	1 30	12 4	10 5	21 14	20 56	13 50	10 24	5 51
S 10	22 17	25 37	3 36	17 57	0 50	17 47	4 59	0s 2	0 15	0 13	1 16	22 12	1 8	22 0	0 0	20 52	1 30	12 4	10 5	21 13	20 55	13 53	10 23	5 51
S 11	22 10	23 52	4 20	17 25	0 42	17 40	5 9	0 16	0 14	0 10	1 16	22 12	1 8	22 0	0 0	20 52	1 30	12 4	10 5	21 12	20 55	13 56	10 21	5 51
M12	22 2	20 48	4 51	16 53	0 33	17 34	5 19	0 31	0 13	0 7	1 16	22 12	1 8	21 59	0 0	20 52	1 30	12 5	10 5	21 10	20 54	13 58	10 19	5 50
T 13	21 53	16 37	5 6	16 21	0 24	17 28	5 28	0 45	0 12	0 4	1 16	22 13	1 8	21 59	0 0	20 52	1 30	12 5	10 5	21 9	20 54	14 1	10 17	5 50
W14	21 44	11 32	5 5	15 49	0 15	17 23	5 36	1 0	0 11	0 0	1 16	22 13	1 8	21 59	0 0	20 52	1 30	12 5	10 6	21 8	20 53	14 4	10 15	5 50
T 15	21 35	5 49	4 46	15 16	0 5	17 18	5 44	1 14	0 10	0s 3	1 15	22 13	1 8	21 59	0 0	20 52	1 30	12 5	10 6	21 7	20 52	14 7	10 13	5 49
F 16	21 25	0s14	4 11	14 44	0s 5	17 13	5 51	1 29	0 9	0 6	1 15	22 14	1 8	21 58	0 0	20 52	1 30	12 5	10 6	21 6	20 52	14 10	10 11	5 49
S 17	21 15	6 22	3 20	14 12	0 16	17 9	5 58	1 44	0 8	0 9	1 15	22 14	1 8	21 58	0 0	20 52	1 30	12 5	10 6	21 6	20 51	14 12	10 9	5 49
S 18	21 5	12 13	2 16	13 40	0 27	17 5	6 3	1 58	0 7	0 13	1 15	22 14	1 8	21 58	0 0	20 51	1 30	12 5	10 6	21 6	20 51	14 15	10 7	5 48
M19	20 54	17 28	1 4	13 8	0 38	17 2	6 8	2 13	0 6	0 16	1 15	22 15	1 8	21 58	0 0	20 51	1 30	12 5	10 6	21 6	20 50	14 18	10 5	5 48
T 20	20 43	21 45	0s13	12 37	0 49	16 59	6 13	2 28	0 5	0 20	1 14	22 15	1 8	21 58	0 0	20 51	1 30	12 5	10 6	21 7	20 49	14 21	10 3	5 48
W21	20 32	24 41	1 29	12 7	1 1	16 57	6 16	2 43	0 4	0 23	1 14	22 15	1 8	21 57	0 0	20 51	1 30	12 5	10 6	21 6	20 49	14 23	10 1	5 47
T 22	20 20	26 0	2 38	11 37	1 12	16 55	6 19	2 57	0 3	0 27	1 14	22 16	1 8	21 57	0 0	20 51	1 30	12 5	10 6	21 6	20 48	14 26	9 59	5 47
F 23	20 8	25 37	3 38	11 7	1 24	16 53	6 22	3 12	0 2	0 30	1 14	22 16	1 8	21 57	0 0	20 51	1 30	12 5	10 7	21 5	20 47	14 29	9 57	5 47
S 24	19 55	23 37	4 23	10 39	1 36	16 52	6 23	3 27	0 1	0 34	1 14	22 16	1 8	21 57	0 0	20 51	1 30	12 5	10 7	21 3	20 47	14 32	9 55	5 46
S 25	19 43	20 17	4 52	10 12	1 49	16 52	6 25	3 42	0 0	0 38	1 13	22 16	1 8	21 57	0 0	20 51	1 30	12 5	10 7	21 2	20 46	14 35	9 53	5 46
M26	19 30	15 58	5 4	9 45	2 1	16 52	6 25	3 57	0s 1	0 41	1 13	22 17	1 8	21 57	0 0	20 51	1 29	12 5	10 7	21 0	20 46	14 37	9 51	5 46
T 27	19 16	11 1	5 0	9 20	2 13	16 52	6 25	4 12	0 2	0 45	1 13	22 17	1 8	21 56	0 0	20 51	1 29	12 5	10 7	20 58	20 45	14 40	9 49	5 46
W28	19 2	5 45	4 42	8 56	2 26	16 52	6 25	4 27	0 2	0 49	1 13	22 17	1 8	21 56	0 0	20 51	1 29	12 5	10 7	20 57	20 44	14 43	9 47	5 45
T 29	18 48	0 21	4 10	8 33	2 38	16 53	6 24	4 42	0 3	0 53	1 13	22 17	1 8	21 56	0 0	20 51	1 29	12 5	10 7	20 55	20 44	14 46	9 45	5 45
F 30	18 34	4n56	3 28	8 12	2 50	16 54	6 23	4 57	0 4	0 57	1 12	22 18	1 8	21 56	0 0	20 51	1 29	12 5	10 7	20 55	20 43	14 48	9 42	5 45
S 31	18n19	10n 0	2s37	7n53	3s 3	16n56	6s21	5s12	0s 5	1s 0	1n12	22n18	1s 8	21s56	0s 0	20s51	1n29	12n 5	10s 8	20n55	20n43	14n51	9n40	5s45

Julian Day Number = 2323526.5, Delta T = 43.66 sec
Ecliptic obliquity = 23°29'09, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'53, Lahiri = 18°57'53Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

AUGUST 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 39 41	8♌52'53	14♉35	2♍29	7♋27	13♎33	5♎28	26♊ 0	9°R34	12°R19	10♊50	3°D35	2♊29	15♉ 2	19♌12	S 1
M 2	20 43 37	9°50'23	26°24	2°43	7°34	14° 9	5°38	26° 6	9♐34	12♐19	10°50	3♊35	2°26	15° 9	19°20	M 2
T 3	20 47 34	10°47'54	8♊19	2°51	7°44	14°46	5°48	26°12	9°33	12°18	10°51	3°R35	2°23	15°15	19°28	T 3
W 4	20 51 30	11°45'27	20°23	2°R54	7°55	15°23	5°57	26°19	9°32	12°17	10°52	3°34	2°20	15°22	19°36	W 4
T 5	20 55 27	12°43'01	2♋41	2°52	8° 9	16° 0	6° 7	26°25	9°31	12°17	10°53	3°30	2°16	15°29	19°45	T 5
F 6	20 59 24	13°40'36	15°18	2°45	8°25	16°37	6°17	26°31	9°31	12°16	10°53	3°24	2°13	15°35	19°53	F 6
S 7	21 3 20	14°38'12	28°13	2°32	8°42	17°14	6°27	26°37	9°30	12°16	10°54	3°16	2°10	15°42	20° 1	S 7
S 8	21 7 17	15°35'50	11♌29	2°13	9° 1	17°51	6°38	26°43	9°30	12°15	10°55	3° 5	2° 7	15°48	20° 9	S 8
M 9	21 11 13	16°33'29	25° 2	1°49	9°23	18°29	6°48	26°49	9°29	12°15	10°55	2°54	2° 4	15°55	20°17	M 9
T 10	21 15 10	17°31'09	8♍51	1°20	9°45	19° 6	6°58	26°55	9°29	12°14	10°56	2°43	2° 1	16° 2	20°25	T 10
W11	21 19 6	18°28'51	22°51	0°46	10°10	19°44	7° 9	27° 1	9°28	12°14	10°57	2°33	1°57	16° 8	20°33	W11
T 12	21 23 3	19°26'33	6♎59	0° 7	10°36	20°21	7°19	27° 7	9°28	12°13	10°57	2°25	1°54	16°15	20°41	T 12
F 13	21 26 59	20°24'17	21° 9	29♌24	11° 4	20°59	7°30	27°13	9°28	12°13	10°58	2°20	1°51	16°22	20°49	F 13
S 14	21 30 56	21°22'02	5♏20	28°37	11°33	21°37	7°40	27°18	9°28	12°13	10°59	2°17	1°48	16°28	20°58	S 14
S 15	21 34 53	22°19'48	19°29	27°47	12° 4	22°15	7°51	27°24	9°27	12°12	10°59	2°D17	1°45	16°35	21° 6	S 15
M16	21 38 49	23°17'35	3♐35	26°55	12°36	22°53	8° 2	27°30	9°27	12°12	11° 0	2°R17	1°42	16°42	21°14	M16
T 17	21 42 46	24°15'23	17°37	26° 2	13°10	23°32	8°13	27°35	9°27	12°12	11° 0	2°16	1°38	16°48	21°22	T 17
W18	21 46 42	25°13'12	1♑35	25° 9	13°44	24°10	8°24	27°41	9°D27	12°12	11° 1	2°14	1°35	16°55	21°30	W18
T 19	21 50 39	26°11'03	15°26	24°17	14°20	24°48	8°35	27°46	9°27	12°11	11° 1	2° 9	1°32	17° 2	21°38	T 19
F 20	21 54 35	27° 8'55	29° 9	23°26	14°58	25°27	8°46	27°51	9°27	12°11	11° 2	2° 1	1°29	17° 8	21°46	F 20
S 21	21 58 32	28° 6'48	12♒42	22°39	15°36	26° 6	8°57	27°56	9°27	12°11	11° 2	1°51	1°26	17°15	21°54	S 21
S 22	22 2 28	29° 4'43	26° 2	21°56	16°16	26°44	9° 8	28° 1	9°27	12°11	11° 3	1°39	1°22	17°22	22° 3	S 22
M23	22 6 25	0♍ 2'39	9♓ 7	21°19	16°56	27°23	9°20	28° 6	9°28	12°11	11° 3	1°26	1°19	17°28	22°11	M23
T 24	22 10 22	1° 0'37	21°55	20°47	17°38	28° 2	9°31	28°11	9°28	12°D11	11° 3	1°13	1°16	17°35	22°19	T 24
W25	22 14 18	1°58'37	4♈27	20°22	18°21	28°41	9°43	28°16	9°28	12°11	11° 4	1° 3	1°13	17°42	22°27	W25
T 26	22 18 15	2°56'38	16°43	20° 4	19° 5	29°21	9°54	28°21	9°29	12°11	11° 4	0°54	1°10	17°48	22°35	T 26
F 27	22 22 11	3°54'41	28°46	19°55	19°49	29°59	10° 6	28°26	9°29	12°11	11° 4	0°49	1° 7	17°55	22°43	F 27
S 28	22 26 8	4°52'47	10♉40	19°D54	20°35	0♏39	10°17	28°30	9°30	12°11	11° 5	0°46	1° 3	18° 1	22°51	S 28
S 29	22 30 4	5°50'54	22°28	20° 1	21°22	1°19	10°29	28°35	9°30	12°11	11° 5	0°44	1° 0	18° 8	22°59	S 29
M30	22 34 1	6°49'03	4♊17	20°17	22° 9	1°58	10°41	28°39	9°31	12°12	11° 5	0°44	0°57	18°15	23° 7	M30
T 31	22 37 57	7♍47'14	16♊11	20♌41	22♋57	2♏38	10♎53	28♊44	9♐31	12♐12	11♊ 5	0♊44	0♊54	18♉21	23♌15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18n 4	14n39	1s40	7n35	3s14	16n58	6s19	5s27	0s 6	1s 4	1n12	22n18	1s 8	21s56	0s 0	20s51	1n29	12n 5	10s 8	20n55	20n42	14n54	9n38	5s45
M 2	17 49	18 46	0 38	7 19	3 26	17 0	6 17	5 42	0 7	1 8	1 12	22 18	1 8	21 56	0 0	20 50	1 29	12 5	10 8	20 55	20 41	14 57	9 36	5 44
T 3	17 34	22 9	0n25	7 6	3 37	17 2	6 14	5 57	0 8	1 12	1 12	22 18	1 8	21 56	0 0	20 50	1 29	12 5	10 8	20 55	20 41	14 59	9 33	5 44
W 4	17 18	24 36	1 28	6 55	3 48	17 4	6 11	6 12	0 9	1 16	1 12	22 19	1 8	21 55	0 0	20 50	1 29	12 5	10 8	20 54	20 40	15 2	9 31	5 44
T 5	17 2	25 56	2 28	6 46	3 58	17 7	6 8	6 27	0 10	1 21	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 5	10 8	20 54	20 39	15 5	9 29	5 44
F 6	16 45	25 58	3 23	6 40	4 8	17 9	6 4	6 42	0 10	1 25	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 53	20 39	15 8	9 26	5 44
S 7	16 28	24 36	4 8	6 36	4 16	17 12	6 0	6 57	0 11	1 29	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 51	20 38	15 10	9 24	5 43
S 8	16 11	21 52	4 41	6 35	4 24	17 15	5 56	7 12	0 12	1 33	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 49	20 38	15 13	9 22	5 43
M 9	15 54	17 53	4 59	6 38	4 31	17 18	5 52	7 27	0 13	1 37	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 47	20 37	15 16	9 19	5 43
T 10	15 37	12 54	5 0	6 43	4 36	17 21	5 48	7 42	0 14	1 41	1 11	22 19	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 45	20 36	15 18	9 17	5 43
W11	15 19	7 10	4 43	6 51	4 40	17 24	5 43	7 57	0 15	1 46	1 11	22 20	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 43	20 36	15 21	9 15	5 43
T 12	15 1	1 2	4 9	7 2	4 43	17 27	5 38	8 12	0 15	1 50	1 10	22 20	1 8	21 55	0 0	20 50	1 29	12 4	10 9	20 41	20 35	15 24	9 12	5 43
F 13	14 43	5s11	3 19	7 16	4 44	17 30	5 33	8 27	0 16	1 54	1 10	22 20	1 8	21 55	0 0	20 50	1 29	12 4	10 10	20 40	20 34	15 27	9 10	5 43
S 14	14 24	11 10	2 17	7 33	4 43	17 32	5 28	8 42	0 17	1 59	1 10	22 20	1 8	21 55	0 0	20 50	1 29	12 4	10 10	20 40	20 34	15 29	9 7	5 43
S 15	14 6	16 34	1 7	7 53	4 40	17 35	5 22	8 57	0 18	2 3	1 10	22 20	1 8	21 55	0 0	20 50	1 28	12 4	10 10	20 39	20 33	15 32	9 5	5 42
M16	13 47	21 2	0s 7	8 14	4 36	17 38	5 17	9 12	0 19	2 7	1 10	22 20	1 8	21 55	0 0	20 50	1 28	12 4	10 10	20 39	20 32	15 35	9 2	5 42
T 17	13 28	24 14	1 20	8 38	4 29	17 40	5 11	9 27	0 20	2 12	1 10	22 20	1 8	21 55	0 0	20 50	1 28	12 4	10 10	20 39	20 32	15 37	9 0	5 42
W18	13 8	25 57	2 28	9 4	4 21	17 42	5 6	9 42	0 20	2 16	1 10	22 20	1 8	21 55	0 0	20 50	1 28	12 3	10 10	20 39	20 31	15 40	8 58	5 42
T 19	12 49	26 1	3 27	9 31	4 11	17 44	5 0	9 57	0 21	2 21	1 9	22 20	1 8	21 55	0 0	20 50	1 28	12 3	10 11	20 38	20 30	15 43	8 55	5 42
F 20	12 29	24 29	4 13	9 58	3 59	17 46	4 54	10 12	0 22	2 25	1 9	22 20	1 8	21 55	0 0	20 50	1 28	12 3	10 11	20 36	20 30	15 46	8 53	5 42
S 21	12 9	21 34	4 44	10 26	3 45	17 48	4 48	10 27	0 23	2 30	1 9	22 20	1 8	21 55	0 0	20 50	1 28	12 3	10 11	20 34	20 29	15 48	8 50	5 42
S 22	11 49	17 33	4 59	10 54	3 30	17 49	4 42	10 42	0 23	2 34	1 9	22 21	1 8	21 55	0 0	20 51	1 28	12 3	10 11	20 32	20 29	15 51	8 48	5 42
M23	11 29	12 46	4 58	11 22	3 14	17 51	4 36	10 56	0 24	2 39	1 9	22 21	1 8	21 55	0 0	20 51	1 28	12 3	10 11	20 29	20 28	15 54	8 45	5 42
T 24	11 8	7 31	4 41	11 48	2 57	17 52	4 30	11 11	0 25	2 43	1 9	22 21	1 8	21 55	0 0	20 51	1 28	12 3	10 12	20 27	20 27	15 56	8 42	5 42
W25	10 47	2 5	4 11	12 13	2 39	17 52	4 24	11 26	0 26	2 48	1 9	22 21	1 8	21 55	0 0	20 51	1 28	12 3	10 12	20 25	20 27	15 59	8 40	5 42
T 26	10 27	3n21	3 30	12 36	2 21	17 52	4 18	11 40	0 26	2 53	1 9	22 21	1 8	21 55	0 0	20 51	1 28	12 3	10 12	20 23	20 26	16 2	8 37	5 42
F 27	10 6	8 33	2 41	12 56	2 2	17 52	4 11	11 55	0 27	2 57	1 8	22 21	1 8	21 55	0 0	20 51	1 28	12 2	10 12	20 22	20 25	16 4	8 35	5 42
S 28	9 44	13 24	1 44	13 15	1 43	17 52	4 5	12 9	0 28	3 2	1 8	22 21	1 8	21 55	0 0	20 51	1 28	12 2	10 12	20 21	20 25	16 7	8 32	5 42
S 29	9 23	17 43	0 44	13 30	1 24	17 51	3 59	12 24	0 29	3 7	1 8	22 21	1 8	21 55	0 0	20 51	1 28	12 2	10 12	20 21	20 24	16 10	8 30	5 42
M30	9 2	21 21	0n19	13 43	1 6	17 50	3 52	12 38	0 29	3 11	1 8	22 21	1 8	21 56	0 0	20 51	1 28	12 2	10 13	20 21	20 23	16 12	8 27	5 42
T 31	8n40	24n 7	1n21	13n52	0s48	17n49	3s46	12s53	0s30	3s16	1n 8	22n21	1s 8	21s56	0s 0	20s51	1n28	12n 2	10s13	20n21	20n23	16n15	8n24	5s42

Julian Day Number = 2323557.5, Delta T = 43.61 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°50'57, Lahiri = 18°57'58Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

SEPTEMBER 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 41 54	8♍45'27	28♊16	21♌14	23♋46	3♏18	11♎ 4	28♊48	9♐32	12♐12	11♊ 6	0°R43	0♊51	18♉28	23♌23	W 1
T 2	22 45 51	9°43'43	10♋37	21°56	24°36	3°57	11°16	28°52	9°33	12°12	11° 6	0♊40	0°47	18°35	23°31	T 2
F 3	22 49 47	10°42'00	23°19	22°45	25°26	4°37	11°28	28°56	9°34	12°13	11° 6	0°34	0°44	18°41	23°39	F 3
S 4	22 53 44	11°40'19	6♌24	23°42	26°17	5°17	11°40	29° 0	9°34	12°13	11° 6	0°26	0°41	18°48	23°47	S 4
S 5	22 57 40	12°38'41	19°54	24°46	27° 9	5°58	11°52	29° 4	9°35	12°13	11° 6	0°15	0°38	18°55	23°55	S 5
M 6	23 1 37	13°37'04	3♍46	25°57	28° 2	6°38	12° 5	29° 8	9°36	12°14	11° 6	0° 4	0°35	19° 1	24° 3	M 6
T 7	23 5 33	14°35'29	17°58	27°14	28°55	7°18	12°17	29°12	9°37	12°14	11° 6	29♉52	0°32	19° 8	24°11	T 7
W 8	23 9 30	15°33'56	2♎24	28°37	29°49	7°59	12°29	29°16	9°38	12°15	11° 6	29°42	0°28	19°15	24°19	W 8
T 9	23 13 26	16°32'25	16°57	0♍ 5	0♌43	8°39	12°41	29°19	9°39	12°15	11° 6	29°34	0°25	19°21	24°26	T 9
F 10	23 17 23	17°30'55	1♏31	1°37	1°38	9°20	12°54	29°23	9°40	12°16	11°R 6	29°29	0°22	19°28	24°34	F 10
S 11	23 21 19	18°29'27	16° 0	3°13	2°33	10° 0	13° 6	29°26	9°42	12°16	11° 6	29°26	0°19	19°35	24°42	S 11
S 12	23 25 16	19°28'01	0♐20	4°53	3°29	10°41	13°18	29°29	9°43	12°17	11° 6	29°D26	0°16	19°41	24°50	S 12
M13	23 29 13	20°26'37	14°29	6°35	4°26	11°22	13°31	29°33	9°44	12°18	11° 6	29°R26	0°13	19°48	24°58	M13
T 14	23 33 9	21°25'14	28°26	8°19	5°23	12° 3	13°43	29°36	9°46	12°18	11° 6	29°26	0° 9	19°54	25° 5	T 14
W15	23 37 6	22°23'53	12♑11	10° 6	6°20	12°44	13°56	29°39	9°47	12°19	11° 6	29°24	0° 6	20° 1	25°13	W15
T 16	23 41 2	23°22'34	25°44	11°54	7°18	13°25	14° 8	29°42	9°48	12°20	11° 6	29°20	0° 3	20° 8	25°21	T 16
F 17	23 44 59	24°21'16	9♒ 5	13°42	8°17	14° 7	14°21	29°44	9°50	12°20	11° 6	29°14	29♉59	20°14	25°28	F 17
S 18	23 48 55	25°20'00	22°15	15°32	9°16	14°48	14°33	29°47	9°51	12°21	11° 6	29° 5	29°57	20°21	25°36	S 18
S 19	23 52 52	26°18'46	5♓13	17°22	10°15	15°29	14°46	29°50	9°53	12°22	11° 6	28°54	29°53	20°28	25°43	S 19
M20	23 56 48	27°17'33	17°58	19°12	11°15	16°11	14°59	29°52	9°55	12°23	11° 5	28°43	29°50	20°34	25°51	M20
T 21	0 0 45	28°16'23	0♈30	21° 2	12°15	16°52	15°11	29°54	9°56	12°24	11° 5	28°32	29°47	20°41	25°58	T 21
W22	0 4 42	29°15'15	12°49	22°52	13°16	17°34	15°24	29°57	9°58	12°25	11° 5	28°23	29°44	20°48	26° 5	W22
T 23	0 8 38	0♎14'08	24°57	24°42	14°17	18°16	15°37	29°59	10° 0	12°26	11° 5	28°16	29°41	20°54	26°13	T 23
F 24	0 12 35	1°13'04	6♉55	26°31	15°18	18°58	15°50	0♋ 1	10° 2	12°27	11° 4	28°11	29°38	21° 1	26°20	F 24
S 25	0 16 31	2°12'03	18°46	28°20	16°20	19°39	16° 3	0° 3	10° 3	12°28	11° 4	28° 8	29°34	21° 8	26°27	S 25
S 26	0 20 28	3°11'03	0♊33	0♎ 8	17°22	20°21	16°15	0° 5	10° 5	12°29	11° 4	28°D 8	29°31	21°14	26°35	S 26
M27	0 24 24	4°10'06	12°20	1°56	18°24	21° 4	16°28	0° 7	10° 7	12°30	11° 3	28° 9	29°28	21°21	26°42	M27
T 28	0 28 21	5° 9'11	24°13	3°43	19°27	21°46	16°41	0° 8	10° 9	12°31	11° 3	28°10	29°25	21°27	26°49	T 28
W29	0 32 17	6° 8'18	6♋16	5°29	20°30	22°28	16°54	0°10	10°11	12°32	11° 3	28°R10	29°22	21°34	26°56	W29
T 30	0 36 14	7♎ 7'28	18♋36	7♎14	21♌34	23♏10	17♎ 7	0♋11	10♐13	12♐33	11♊ 2	28♉10	29♉19	21♉41	27♌ 3	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8n18	25n49	2n20	13n58	0s31	17n47	3s40	13s 7	0s31	3s21	1n 8	22n21	1s 8	21s56	0s 0	20s51	1n28	12n 2	10s13	20n20	20n22	16n18	8n22	5s42
T 2	7 56	26 18	3 15	14 0	0 14	17 45	3 33	13 21	0 31	3 26	1 8	22 21	1 8	21 56	0 0	20 51	1 27	12 2	10 13	20 20	20 21	16 20	8 19	5 42
F 3	7 34	25 25	4 1	13 59	0n 1	17 42	3 27	13 35	0 32	3 30	1 8	22 21	1 8	21 56	0 0	20 51	1 27	12 1	10 13	20 19	20 21	16 23	8 17	5 42
S 4	7 12	23 9	4 36	13 54	0 16	17 39	3 20	13 50	0 33	3 35	1 8	22 21	1 8	21 56	0 0	20 52	1 27	12 1	10 13	20 17	20 20	16 26	8 14	5 42
S 5	6 50	19 34	4 57	13 46	0 30	17 36	3 14	14 4	0 33	3 40	1 7	22 21	1 8	21 56	0 0	20 52	1 27	12 1	10 14	20 15	20 19	16 28	8 11	5 42
M 6	6 27	14 49	5 1	13 34	0 43	17 32	3 8	14 18	0 34	3 45	1 7	22 21	1 8	21 56	0 0	20 52	1 27	12 1	10 14	20 12	20 19	16 31	8 9	5 42
T 7	6 5	9 10	4 47	13 18	0 54	17 28	3 1	14 31	0 35	3 50	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 1	10 14	20 10	20 18	16 34	8 6	5 42
W 8	5 42	2 56	4 14	12 59	1 5	17 23	2 55	14 45	0 35	3 55	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 1	10 14	20 8	20 17	16 36	8 3	5 42
T 9	5 19	3s31	3 25	12 37	1 14	17 18	2 48	14 59	0 36	3 59	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 0	10 14	20 6	20 17	16 39	8 1	5 42
F 10	4 57	9 48	2 22	12 12	1 22	17 12	2 42	15 13	0 37	4 4	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 0	10 15	20 5	20 16	16 41	7 58	5 43
S 11	4 34	15 32	1 11	11 44	1 29	17 6	2 36	15 26	0 37	4 9	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 0	10 15	20 4	20 15	16 44	7 56	5 43
S 12	4 11	20 20	0s 5	11 13	1 35	16 59	2 30	15 40	0 38	4 14	1 7	22 21	1 8	21 57	0 0	20 52	1 27	12 0	10 15	20 4	20 15	16 47	7 53	5 43
M13	3 48	23 54	1 19	10 40	1 40	16 52	2 23	15 53	0 39	4 19	1 7	22 21	1 8	21 58	0 0	20 53	1 27	12 0	10 15	20 4	20 14	16 49	7 50	5 43
T 14	3 25	25 56	2 28	10 5	1 44	16 45	2 17	16 6	0 39	4 24	1 7	22 21	1 8	21 58	0 0	20 53	1 27	11 59	10 15	20 4	20 13	16 52	7 48	5 43
W15	3 1	26 22	3 27	9 27	1 47	16 37	2 11	16 19	0 40	4 29	1 7	22 21	1 8	21 58	0 0	20 53	1 27	11 59	10 15	20 4	20 13	16 55	7 45	5 43
T 16	2 38	25 11	4 13	8 48	1 49	16 28	2 5	16 33	0 40	4 34	1 7	22 21	1 9	21 58	0 0	20 53	1 27	11 59	10 16	20 3	20 12	16 57	7 42	5 43
F 17	2 15	22 36	4 45	8 7	1 51	16 19	1 59	16 45	0 41	4 39	1 6	22 21	1 9	21 59	0 0	20 53	1 27	11 59	10 16	20 1	20 11	17 0	7 40	5 43
S 18	1 51	18 52	5 1	7 25	1 51	16 10	1 52	16 58	0 42	4 44	1 6	22 21	1 9	21 59	0 0	20 53	1 27	11 59	10 16	20 0	20 11	17 2	7 37	5 44
S 19	1 28	14 17	5 2	6 42	1 51	16 0	1 46	17 11	0 42	4 49	1 6	22 21	1 9	21 59	0 0	20 54	1 27	11 58	10 16	19 57	20 10	17 5	7 34	5 44
M20	1 5	9 10	4 47	5 58	1 50	15 50	1 40	17 24	0 43	4 54	1 6	22 21	1 9	21 59	0 0	20 54	1 26	11 58	10 16	19 55	20 9	17 8	7 32	5 44
T 21	0 41	3 45	4 18	5 13	1 48	15 39	1 34	17 36	0 43	4 59	1 6	22 20	1 9	22 0	0 0	20 54	1 26	11 58	10 17	19 52	20 9	17 10	7 29	5 44
W22	0 18	1n44	3 38	4 27	1 46	15 27	1 29	17 49	0 44	5 4	1 6	22 20	1 9	22 0	0 0	20 54	1 26	11 58	10 17	19 50	20 8	17 13	7 26	5 44
T 23	0s 6	7 4	2 48	3 41	1 43	15 16	1 23	18 1	0 45	5 9	1 6	22 20	1 9	22 0	0 1	20 54	1 26	11 58	10 17	19 49	20 7	17 15	7 24	5 45
F 24	0 29	12 6	1 51	2 55	1 40	15 3	1 17	18 13	0 45	5 13	1 6	22 20	1 9	22 0	0 1	20 54	1 26	11 57	10 17	19 48	20 7	17 18	7 21	5 45
S 25	0 53	16 38	0 50	2 8	1 36	14 51	1 11	18 25	0 46	5 18	1 6	22 20	1 9	22 1	0 1	20 55	1 26	11 57	10 17	19 47	20 6	17 21	7 19	5 45
S 26	1 16	20 31	0n13	1 21	1 32	14 37	1 5	18 37	0 46	5 23	1 6	22 20	1 9	22 1	0 1	20 55	1 26	11 57	10 17	19 47	20 5	17 23	7 16	5 45
M27	1 40	23 34	1 16	0 34	1 28	14 24	1 0	18 49	0 47	5 28	1 6	22 20	1 9	22 1	0 1	20 55	1 26	11 57	10 18	19 47	20 5	17 26	7 13	5 45
T 28	2 3	25 37	2 16	0s12	1 23	14 9	0 54	19 0	0 47	5 33	1 6	22 20	1 9	22 1	0 1	20 55	1 26	11 57	10 18	19 47	20 4	17 28	7 11	5 46
W29	2 27	26 31	3 11	0 59	1 18	13 55	0 49	19 12	0 48	5 38	1 6	22 20	1 9	22 2	0 1	20 55	1 26	11 56	10 18	19 48	20 3	17 31	7 8	5 46
T 30	2s50	26n 7	3n58	1s46	1n13	13n40	0s43	19s23	0s48	5s43	1n 6	22n20	1s 9	22s 2	0s 1	20s56	1n26	11n56	10s18	19n47	20n 3	17n34	7n 5	5s46

Julian Day Number = 2323588.5, Delta T = 43.55 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°51'01, Lahiri = 18°58'02Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

OCTOBER 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 40 11	8♎ 6'40	1♌17	8♎59	22♌37	23♏53	17♎20	0♋12	10♐16	12♐34	11°R 2	28°R 7	29♉15	21♉47	27♌10	F 1
S 2	0 44 7	9° 5'55	14°22	10°42	23°41	24°35	17°33	0°14	10°18	12°36	11♊ 1	28♉ 2	29°12	21°54	27°17	S 2
S 3	0 48 4	10° 5'11	27°55	12°25	24°46	25°18	17°46	0°15	10°20	12°37	11° 1	27°56	29° 9	22° 1	27°24	S 3
M 4	0 52 0	11° 4'30	11♍54	14° 7	25°50	26° 0	17°59	0°16	10°22	12°38	11° 0	27°48	29° 6	22° 7	27°31	M 4
T 5	0 55 57	12° 3'51	26°19	15°49	26°55	26°43	18°12	0°17	10°24	12°39	11° 0	27°41	29° 3	22°14	27°38	T 5
W 6	0 59 53	13° 3'14	11♎ 2	17°30	28° 1	27°26	18°25	0°17	10°27	12°41	10°59	27°34	28°59	22°21	27°44	W 6
T 7	1 3 50	14° 2'40	25°57	19°10	29° 6	28° 9	18°38	0°18	10°29	12°42	10°59	27°29	28°56	22°27	27°51	T 7
F 8	1 7 46	15° 2'07	10♏55	20°49	0♍12	28°52	18°51	0°19	10°32	12°44	10°58	27°26	28°53	22°34	27°57	F 8
S 9	1 11 43	16° 1'36	25°47	22°27	1°18	29°35	19° 4	0°19	10°34	12°45	10°58	27°D25	28°50	22°41	28° 4	S 9
S 10	1 15 40	17° 1'07	10♐27	24° 5	2°24	0♐18	19°17	0°19	10°37	12°46	10°57	27°25	28°47	22°47	28°10	S 10
M11	1 19 36	18° 0'40	24°51	25°42	3°30	1° 1	19°30	0°19	10°39	12°48	10°57	27°27	28°44	22°54	28°17	M11
T 12	1 23 33	19° 0'15	8♑55	27°19	4°37	1°45	19°43	0°R20	10°42	12°49	10°56	27°28	28°40	23° 1	28°23	T 12
W13	1 27 29	19°59'52	22°39	28°55	5°44	2°28	19°56	0°20	10°44	12°51	10°55	27°R28	28°37	23° 7	28°30	W13
T 14	1 31 26	20°59'30	6♒ 5	0♏30	6°51	3°11	20° 9	0°19	10°47	12°52	10°55	27°27	28°34	23°14	28°36	T 14
F 15	1 35 22	21°59'10	19°13	2° 4	7°58	3°55	20°22	0°19	10°50	12°54	10°54	27°24	28°31	23°20	28°42	F 15
S 16	1 39 19	22°58'51	2♓ 6	3°38	9° 6	4°38	20°35	0°19	10°52	12°56	10°53	27°20	28°28	23°27	28°48	S 16
S 17	1 43 15	23°58'35	14°45	5°12	10°14	5°22	20°48	0°18	10°55	12°57	10°52	27°15	28°24	23°34	28°54	S 17
M18	1 47 12	24°58'20	27°12	6°45	11°21	6° 6	21° 1	0°18	10°58	12°59	10°52	27° 9	28°21	23°40	29° 0	M18
T 19	1 51 9	25°58'07	9♈27	8°17	12°30	6°50	21°14	0°17	11° 1	13° 0	10°51	27° 3	28°18	23°47	29° 6	T 19
W20	1 55 5	26°57'56	21°34	9°49	13°38	7°33	21°27	0°16	11° 4	13° 2	10°50	26°58	28°15	23°54	29°12	W20
T 21	1 59 2	27°57'47	3♉32	11°20	14°46	8°17	21°40	0°15	11° 6	13° 4	10°49	26°55	28°12	24° 0	29°17	T 21
F 22	2 2 58	28°57'39	15°24	12°51	15°55	9° 1	21°53	0°14	11° 9	13° 6	10°49	26°53	28° 9	24° 7	29°23	F 22
S 23	2 6 55	29°57'34	27°13	14°21	17° 4	9°45	22° 6	0°13	11°12	13° 7	10°48	26°D52	28° 5	24°14	29°29	S 23
S 24	2 10 51	0♏57'31	8♊59	15°50	18°13	10°30	22°19	0°12	11°15	13° 9	10°47	26°53	28° 2	24°20	29°34	S 24
M25	2 14 48	1°57'31	20°47	17°19	19°22	11°14	22°32	0°11	11°18	13°11	10°46	26°54	27°59	24°27	29°39	M25
T 26	2 18 44	2°57'32	2♋41	18°48	20°32	11°58	22°45	0° 9	11°21	13°13	10°45	26°56	27°56	24°34	29°45	T 26
W27	2 22 41	3°57'35	14°44	20°16	21°41	12°42	22°58	0° 7	11°24	13°15	10°44	26°58	27°53	24°40	29°50	W27
T 28	2 26 38	4°57'41	27° 2	21°43	22°51	13°27	23°11	0° 6	11°27	13°16	10°43	26°59	27°50	24°47	29°55	T 28
F 29	2 30 34	5°57'48	9♌38	23°10	24° 1	14°11	23°24	0° 4	11°31	13°18	10°43	26°R59	27°46	24°53	0♍ 0	F 29
S 30	2 34 31	6°57'58	22°38	24°36	25°11	14°56	23°37	0° 2	11°34	13°20	10°42	26°58	27°43	25° 0	0° 5	S 30
S 31	2 38 27	7♏58'10	6♍ 3	26♏ 2	26♍21	15♐40	23♎50	0♋ 0	11♐37	13♐22	10♊41	26♉56	27♉40	25♉ 7	0♍10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	3s13	24n23	4n35	2s32	1n 7	13n24	0s38	19s34	0s49	5s48	1n 6	22n20	1s 9	22s 2	0s 1	20s56	1n26	11n56	10s18	19n47	20n 2	17n36	7n 3	5s46
S 2	3 37	21 19	5 0	3 18	1 1	13 8	0 33	19 45	0 50	5 53	1 6	22 20	1 9	22 3	0 1	20 56	1 26	11 56	10 18	19 46	20 1	17 39	7 0	5 47
S 3	4 0	17 2	5 8	4 4	0 55	12 52	0 27	19 56	0 50	5 58	1 6	22 20	1 9	22 3	0 1	20 56	1 26	11 56	10 19	19 44	20 0	17 41	6 58	5 47
M 4	4 23	11 43	4 59	4 50	0 49	12 35	0 22	20 7	0 51	6 3	1 6	22 20	1 9	22 3	0 1	20 56	1 26	11 55	10 19	19 43	20 0	17 44	6 55	5 47
T 5	4 47	5 37	4 31	5 35	0 43	12 18	0 17	20 17	0 51	6 8	1 6	22 20	1 9	22 4	0 1	20 57	1 26	11 55	10 19	19 41	19 59	17 46	6 53	5 48
W 6	5 10	0s56	3 45	6 19	0 36	12 0	0 12	20 28	0 52	6 13	1 6	22 20	1 9	22 4	0 1	20 57	1 26	11 55	10 19	19 39	19 58	17 49	6 50	5 48
T 7	5 33	7 32	2 42	7 3	0 30	11 42	0 7	20 38	0 52	6 18	1 5	22 20	1 9	22 4	0 1	20 57	1 26	11 55	10 19	19 38	19 58	17 51	6 47	5 48
F 8	5 56	13 44	1 28	7 47	0 23	11 23	0 2	20 48	0 52	6 23	1 5	22 20	1 9	22 5	0 1	20 57	1 26	11 54	10 19	19 37	19 57	17 54	6 45	5 49
S 9	6 19	19 6	0 9	8 30	0 17	11 4	0n 2	20 58	0 53	6 28	1 5	22 20	1 9	22 5	0 1	20 57	1 26	11 54	10 19	19 37	19 56	17 57	6 42	5 49
S 10	6 42	23 13	1s10	9 12	0 10	10 45	0 7	21 7	0 53	6 33	1 5	22 20	1 9	22 6	0 1	20 58	1 25	11 54	10 20	19 37	19 56	17 59	6 40	5 49
M11	7 5	25 47	2 24	9 54	0 3	10 25	0 12	21 17	0 54	6 38	1 5	22 20	1 9	22 6	0 1	20 58	1 25	11 54	10 20	19 38	19 55	18 2	6 37	5 49
T 12	7 27	26 37	3 27	10 36	0s 4	10 5	0 16	21 26	0 54	6 43	1 5	22 20	1 9	22 6	0 1	20 58	1 25	11 54	10 20	19 38	19 54	18 4	6 35	5 50
W13	7 50	25 47	4 16	11 16	0 11	9 45	0 21	21 35	0 55	6 48	1 5	22 20	1 10	22 7	0 1	20 58	1 25	11 53	10 20	19 38	19 53	18 7	6 33	5 50
T 14	8 12	23 28	4 50	11 57	0 17	9 24	0 25	21 44	0 55	6 53	1 5	22 20	1 10	22 7	0 1	20 59	1 25	11 53	10 20	19 38	19 53	18 9	6 30	5 51
F 15	8 35	19 58	5 9	12 36	0 24	9 3	0 29	21 53	0 56	6 58	1 5	22 20	1 10	22 7	0 1	20 59	1 25	11 53	10 20	19 37	19 52	18 12	6 28	5 51
S 16	8 57	15 34	5 11	13 15	0 31	8 41	0 33	22 2	0 56	7 3	1 5	22 20	1 10	22 8	0 1	20 59	1 25	11 53	10 20	19 36	19 51	18 14	6 25	5 51
S 17	9 19	10 35	4 57	13 53	0 38	8 20	0 37	22 10	0 57	7 8	1 5	22 20	1 10	22 8	0 1	20 59	1 25	11 52	10 21	19 35	19 51	18 17	6 23	5 52
M18	9 41	5 15	4 30	14 30	0 45	7 57	0 41	22 18	0 57	7 13	1 5	22 19	1 10	22 9	0 1	21 0	1 25	11 52	10 21	19 34	19 50	18 19	6 20	5 52
T 19	10 3	0n13	3 51	15 6	0 51	7 35	0 45	22 26	0 57	7 18	1 5	22 19	1 10	22 9	0 1	21 0	1 25	11 52	10 21	19 32	19 49	18 22	6 18	5 52
W20	10 25	5 37	3 2	15 42	0 58	7 12	0 49	22 34	0 58	7 22	1 5	22 19	1 10	22 9	0 1	21 0	1 25	11 52	10 21	19 31	19 49	18 24	6 16	5 53
T 21	10 46	10 46	2 5	16 17	1 4	6 49	0 53	22 41	0 58	7 27	1 5	22 19	1 10	22 10	0 1	21 0	1 25	11 52	10 21	19 30	19 48	18 27	6 13	5 53
F 22	11 8	15 29	1 3	16 51	1 11	6 26	0 56	22 49	0 59	7 32	1 5	22 19	1 10	22 10	0 1	21 1	1 25	11 51	10 21	19 30	19 47	18 29	6 11	5 54
S 23	11 29	19 36	0n 2	17 24	1 17	6 2	1 0	22 56	0 59	7 37	1 5	22 19	1 10	22 11	0 1	21 1	1 25	11 51	10 21	19 30	19 46	18 32	6 9	5 54
S 24	11 50	22 56	1 6	17 56	1 23	5 38	1 3	23 3	0 59	7 42	1 5	22 19	1 10	22 11	0 1	21 1	1 25	11 51	10 21	19 30	19 46	18 34	6 6	5 54
M25	12 11	25 18	2 8	18 28	1 29	5 14	1 7	23 9	1 0	7 47	1 5	22 19	1 10	22 12	0 1	21 1	1 25	11 51	10 21	19 30	19 45	18 37	6 4	5 55
T 26	12 31	26 32	3 5	18 58	1 35	4 50	1 10	23 16	1 0	7 51	1 5	22 19	1 10	22 12	0 1	21 2	1 25	11 50	10 22	19 31	19 44	18 39	6 2	5 55
W27	12 52	26 33	3 54	19 28	1 41	4 25	1 13	23 22	1 0	7 56	1 5	22 19	1 10	22 12	0 1	21 2	1 25	11 50	10 22	19 31	19 44	18 42	6 0	5 56
T 28	13 12	25 16	4 34	19 57	1 47	4 0	1 16	23 28	1 1	8 1	1 5	22 19	1 10	22 13	0 1	21 2	1 25	11 50	10 22	19 31	19 43	18 44	5 58	5 56
F 29	13 32	22 43	5 2	20 24	1 52	3 35	1 19	23 34	1 1	8 6	1 5	22 19	1 10	22 13	0 1	21 2	1 25	11 50	10 22	19 31	19 42	18 47	5 55	5 57
S 30	13 52	18 57	5 15	20 51	1 57	3 10	1 22	23 39	1 1	8 11	1 5	22 19	1 10	22 14	0 1	21 3	1 25	11 50	10 22	19 31	19 41	18 49	5 53	5 57
S 31	14s12	14n 8	5n12	21s17	2s 2	2n45	1n24	23s44	1s 2	8s15	1n 5	22n19	1s10	22s14	0s 1	21s 3	1n25	11n49	10s22	19n31	19n41	18n51	5n51	5s58

Julian Day Number = 2323618.5, Delta T = 43.49 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°51'06, Lahiri = 18°58'06Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1649
geocentric

NOVEMBER 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 42 24	8♏58'24	19♍57	27♏27	27♍32	16♐25	24♎ 3	29°R58	11♐40	13♐24	10°R40	26°R54	27♉37	25♉13	0♍15	M 1
T 2	2 46 20	9°58'39	4♎19	28°51	28°42	17°10	24°16	29♊56	11°43	13°26	10♊39	26♉52	27°34	25°20	0°20	T 2
W 3	2 50 17	10°58'57	19° 4	0♐14	29°53	17°55	24°29	29°54	11°47	13°28	10°38	26°50	27°30	25°27	0°25	W 3
T 4	2 54 13	11°59'17	4♏ 6	1°36	1♎ 3	18°40	24°41	29°51	11°50	13°30	10°37	26°48	27°27	25°33	0°29	T 4
F 5	2 58 10	12°59'38	19°17	2°58	2°14	19°24	24°54	29°49	11°53	13°32	10°36	26°D47	27°24	25°40	0°34	F 5
S 6	3 2 7	14° 0'02	4♐28	4°18	3°25	20° 9	25° 7	29°46	11°57	13°34	10°35	26°47	27°21	25°47	0°38	S 6
S 7	3 6 3	15° 0'27	19°28	5°38	4°36	20°55	25°20	29°43	12° 0	13°36	10°34	26°48	27°18	25°53	0°42	S 7
M 8	3 10 0	16° 0'53	4♑10	6°56	5°48	21°40	25°32	29°40	12° 3	13°38	10°33	26°49	27°15	26° 0	0°46	M 8
T 9	3 13 56	17° 1'21	18°30	8°12	6°59	22°25	25°45	29°38	12° 7	13°40	10°32	26°50	27°11	26° 7	0°51	T 9
W10	3 17 53	18° 1'50	2♒25	9°27	8°11	23°10	25°57	29°35	12°10	13°42	10°31	26°50	27° 8	26°13	0°55	W10
T 11	3 21 49	19° 2'21	15°55	10°40	9°22	23°55	26°10	29°31	12°13	13°44	10°30	26°R51	27° 5	26°20	0°58	T 11
F 12	3 25 46	20° 2'52	29° 1	11°51	10°34	24°41	26°23	29°28	12°17	13°46	10°29	26°51	27° 2	26°27	1° 2	F 12
S 13	3 29 42	21° 3'25	11♓46	13° 0	11°46	25°26	26°35	29°25	12°20	13°49	10°27	26°50	26°59	26°33	1° 6	S 13
S 14	3 33 39	22° 3'59	24°15	14° 6	12°57	26°12	26°47	29°22	12°24	13°51	10°26	26°50	26°56	26°40	1°10	S 14
M15	3 37 36	23° 4'34	6♈29	15° 9	14° 9	26°57	27° 0	29°18	12°27	13°53	10°25	26°49	26°52	26°46	1°13	M15
T 16	3 41 32	24° 5'11	18°33	16° 9	15°22	27°43	27°12	29°15	12°31	13°55	10°24	26°49	26°49	26°53	1°16	T 16
W17	3 45 29	25° 5'49	0♉29	17° 4	16°34	28°28	27°25	29°11	12°34	13°57	10°23	26°48	26°46	27° 0	1°20	W17
T 18	3 49 25	26° 6'28	12°20	17°56	17°46	29°14	27°37	29° 7	12°38	13°59	10°22	26°48	26°43	27° 6	1°23	T 18
F 19	3 53 22	27° 7'09	24° 8	18°42	18°58	29°59	27°49	29° 4	12°41	14° 1	10°21	26°48	26°40	27°13	1°26	F 19
S 20	3 57 18	28° 7'51	5♊56	19°23	20°11	0♑46	28° 1	29° 0	12°45	14° 4	10°20	26°48	26°36	27°20	1°29	S 20
S 21	4 1 15	29° 8'34	17°45	19°57	21°23	1°31	28°13	28°56	12°49	14° 6	10°19	26°48	26°33	27°26	1°32	S 21
M22	4 5 11	0♐ 9'19	29°38	20°25	22°36	2°17	28°25	28°52	12°52	14° 8	10°18	26°48	26°30	27°33	1°35	M22
T 23	4 9 8	1°10'06	11♋38	20°44	23°49	3° 3	28°37	28°48	12°56	14°10	10°16	26°47	26°27	27°40	1°37	T 23
W24	4 13 5	2°10'53	23°46	20°55	25° 1	3°49	28°49	28°44	12°59	14°13	10°15	26°47	26°24	27°46	1°40	W24
T 25	4 17 1	3°11'42	6♌ 7	20°R56	26°14	4°35	29° 1	28°40	13° 3	14°15	10°14	26°46	26°21	27°53	1°42	T 25
F 26	4 20 58	4°12'33	18°43	20°48	27°27	5°21	29°13	28°35	13° 7	14°17	10°13	26°45	26°17	28° 0	1°45	F 26
S 27	4 24 54	5°13'25	1♍38	20°28	28°40	6° 7	29°25	28°31	13°10	14°19	10°12	26°D45	26°14	28° 6	1°47	S 27
S 28	4 28 51	6°14'18	14°55	19°57	29°53	6°54	29°37	28°27	13°14	14°21	10°11	26°45	26°11	28°13	1°49	S 28
M29	4 32 47	7°15'13	28°36	19°15	1♏ 7	7°40	29°48	28°22	13°18	14°24	10° 9	26°46	26° 8	28°19	1°51	M29
T 30	4 36 44	8♐16'09	12♎43	18♐23	2♏20	8♑26	29♎59	28♊18	13♐21	14♐26	10♊ 8	26♉47	26♉ 5	28♉26	1♍53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s31	8n27	4n51	21s41	2s 7	2n19	1n27	23s49	1s 2	8s20	1n 5	22n19	1s10	22s15	0s 1	21s 3	1n25	11n49	10s22	19n30	19n40	18n54	5n49	5s58
T 2	14 50	2 8	4 11	22 5	2 11	1 53	1 30	23 54	1 2	8 25	1 5	22 19	1 10	22 15	0 1	21 3	1 25	11 49	10 22	19 30	19 39	18 56	5 47	5 58
W 3	15 9	4s29	3 14	22 27	2 16	1 27	1 32	23 59	1 3	8 29	1 5	22 19	1 10	22 15	0 1	21 4	1 25	11 49	10 22	19 29	19 39	18 59	5 45	5 59
T 4	15 28	10 59	2 3	22 48	2 19	1 1	1 34	24 3	1 3	8 34	1 5	22 19	1 10	22 16	0 1	21 4	1 25	11 49	10 22	19 29	19 38	19 1	5 43	5 59
F 5	15 46	16 55	0 42	23 8	2 23	0 35	1 36	24 7	1 3	8 39	1 5	22 19	1 10	22 16	0 1	21 4	1 24	11 48	10 22	19 29	19 37	19 4	5 41	6 0
S 6	16 4	21 46	0s42	23 26	2 26	0 9	1 39	24 11	1 4	8 43	1 6	22 19	1 10	22 17	0 1	21 5	1 24	11 48	10 22	19 29	19 36	19 6	5 39	6 0
S 7	16 22	25 6	2 3	23 44	2 29	0s18	1 41	24 14	1 4	8 48	1 6	22 19	1 10	22 17	0 1	21 5	1 24	11 48	10 22	19 29	19 36	19 9	5 37	6 1
M 8	16 40	26 38	3 13	24 0	2 32	0 44	1 42	24 17	1 4	8 52	1 6	22 19	1 10	22 18	0 1	21 5	1 24	11 48	10 23	19 29	19 35	19 11	5 35	6 1
T 9	16 57	26 19	4 9	24 15	2 34	1 11	1 44	24 20	1 4	8 57	1 6	22 19	1 10	22 18	0 1	21 5	1 24	11 48	10 23	19 29	19 34	19 13	5 33	6 2
W10	17 14	24 21	4 49	24 28	2 35	1 38	1 46	24 23	1 5	9 2	1 6	22 19	1 10	22 19	0 1	21 6	1 24	11 47	10 23	19 29	19 33	19 16	5 31	6 2
T 11	17 31	21 3	5 12	24 40	2 36	2 4	1 48	24 26	1 5	9 6	1 6	22 19	1 10	22 19	0 1	21 6	1 24	11 47	10 23	19 29	19 33	19 18	5 29	6 3
F 12	17 47	16 47	5 17	24 50	2 36	2 31	1 49	24 28	1 5	9 11	1 6	22 19	1 10	22 20	0 1	21 6	1 24	11 47	10 23	19 29	19 32	19 21	5 28	6 3
S 13	18 3	11 53	5 7	24 59	2 36	2 58	1 50	24 30	1 6	9 15	1 6	22 19	1 10	22 20	0 1	21 6	1 24	11 47	10 23	19 29	19 31	19 23	5 26	6 4
S 14	18 19	6 36	4 42	25 7	2 35	3 25	1 52	24 32	1 6	9 20	1 6	22 19	1 10	22 20	0 1	21 7	1 24	11 47	10 23	19 29	19 31	19 26	5 24	6 4
M15	18 35	1 10	4 5	25 12	2 34	3 52	1 53	24 33	1 6	9 24	1 6	22 19	1 10	22 21	0 1	21 7	1 24	11 47	10 23	19 29	19 30	19 28	5 22	6 5
T 16	18 50	4n15	3 17	25 16	2 32	4 18	1 54	24 34	1 6	9 28	1 6	22 19	1 10	22 21	0 1	21 7	1 24	11 46	10 23	19 29	19 29	19 30	5 21	6 6
W17	19 5	9 27	2 21	25 19	2 28	4 45	1 55	24 35	1 6	9 33	1 6	22 19	1 10	22 22	0 1	21 8	1 24	11 46	10 23	19 29	19 28	19 33	5 19	6 6
T 18	19 19	14 18	1 20	25 20	2 24	5 12	1 56	24 36	1 7	9 37	1 6	22 19	1 10	22 22	0 1	21 8	1 24	11 46	10 23	19 29	19 28	19 35	5 17	6 7
F 19	19 33	18 36	0 15	25 19	2 19	5 39	1 57	24 36	1 7	9 41	1 6	22 19	1 10	22 23	0 1	21 8	1 24	11 46	10 23	19 29	19 27	19 37	5 16	6 7
S 20	19 47	22 10	0n51	25 16	2 13	6 5	1 57	24 36	1 7	9 46	1 6	22 19	1 10	22 23	0 1	21 8	1 24	11 46	10 23	19 29	19 26	19 40	5 14	6 8
S 21	20 0	24 49	1 54	25 11	2 5	6 32	1 58	24 36	1 7	9 50	1 6	22 19	1 10	22 24	0 1	21 9	1 24	11 46	10 23	19 29	19 25	19 42	5 13	6 8
M22	20 13	26 22	2 53	25 5	1 57	6 59	1 59	24 35	1 7	9 54	1 6	22 19	1 10	22 24	0 1	21 9	1 24	11 45	10 23	19 29	19 25	19 45	5 11	6 9
T 23	20 26	26 42	3 44	24 56	1 47	7 25	1 59	24 35	1 8	9 58	1 6	22 19	1 10	22 25	0 1	21 9	1 24	11 45	10 23	19 29	19 24	19 47	5 10	6 9
W24	20 38	25 46	4 27	24 46	1 35	7 51	1 59	24 34	1 8	10 3	1 6	22 19	1 10	22 25	0 1	21 10	1 24	11 45	10 23	19 28	19 23	19 49	5 8	6 10
T 25	20 50	23 34	4 57	24 33	1 23	8 18	1 59	24 32	1 8	10 7	1 7	22 19	1 10	22 26	0 1	21 10	1 24	11 45	10 23	19 28	19 22	19 52	5 7	6 10
F 26	21 2	20 13	5 14	24 18	1 8	8 44	2 0	24 31	1 8	10 11	1 7	22 19	1 10	22 26	0 1	21 10	1 24	11 45	10 23	19 28	19 22	19 54	5 6	6 11
S 27	21 13	15 50	5 16	24 1	0 53	9 10	2 0	24 29	1 8	10 15	1 7	22 19	1 10	22 27	0 1	21 10	1 24	11 45	10 23	19 28	19 21	19 56	5 4	6 12
S 28	21 24	10 35	5 2	23 42	0 35	9 35	1 59	24 27	1 8	10 19	1 7	22 19	1 10	22 27	0 1	21 11	1 24	11 45	10 23	19 28	19 20	19 59	5 3	6 12
M29	21 34	4 41	4 30	23 20	0 17	10 1	1 59	24 24	1 8	10 23	1 7	22 19	1 10	22 27	0 1	21 11	1 24	11 44	10 23	19 28	19 19	20 1	5 2	6 13
T 30	21s44	1s38	3n41	22s56	0n 2	10s26	1n59	24s21	1s 9	10s27	1n 7	22n19	1s 9	22s28	0s 1	21s11	1n24	11n44	10s23	19n28	19n19	20n 3	5n 1	6s13

Julian Day Number = 2323649.5, Delta T = 43.43 sec
Ecliptic obliquity = 23°29'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°51'10, Lahiri = 18°58'10Greg. Calendar

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ASTRODIENST EPHEMERIS for the year 1649
geocentric

DECEMBER 1649 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 40 40	9♐17'06	27♎14	17°R20	3♏33	9♑12	0♏11	28°R13	13♐25	14♐28	10°R 7	26♉48	26♉ 2	28♉33	1♍55	W 1
T 2	4 44 37	10°18'05	12♏ 6	16♐ 9	4°46	9°59	0°23	28♊ 9	13°29	14°30	10♊ 6	26°48	25°58	28°39	1°56	T 2
F 3	4 48 34	11°19'04	27°12	14°52	6° 0	10°45	0°34	28° 4	13°32	14°33	10° 5	26°R49	25°55	28°46	1°58	F 3
S 4	4 52 30	12°20'05	12♐24	13°30	7°13	11°32	0°46	27°59	13°36	14°35	10° 4	26°48	25°52	28°53	1°59	S 4
S 5	4 56 27	13°21'07	27°32	12° 7	8°27	12°18	0°57	27°55	13°40	14°37	10° 3	26°47	25°49	28°59	2° 1	S 5
M 6	5 0 23	14°22'10	12♑28	10°45	9°40	13° 5	1° 8	27°50	13°43	14°40	10° 1	26°45	25°46	29° 6	2° 2	M 6
T 7	5 4 20	15°23'13	27° 2	9°28	10°54	13°51	1°19	27°45	13°47	14°42	10° 0	26°42	25°42	29°13	2° 3	T 7
W 8	5 8 16	16°24'16	11♒11	8°17	12° 8	14°38	1°30	27°40	13°51	14°44	9°59	26°40	25°39	29°19	2° 4	W 8
T 9	5 12 13	17°25'21	24°51	7°15	13°21	15°24	1°41	27°36	13°54	14°46	9°58	26°38	25°36	29°26	2° 5	T 9
F 10	5 16 9	18°26'25	8♓ 4	6°22	14°35	16°11	1°52	27°31	13°58	14°49	9°57	26°36	25°33	29°33	2° 5	F 10
S 11	5 20 6	19°27'30	20°51	5°40	15°49	16°58	2° 3	27°26	14° 1	14°51	9°56	26°D36	25°30	29°39	2° 6	S 11
S 12	5 24 3	20°28'35	3♈18	5°10	17° 3	17°45	2°13	27°21	14° 5	14°53	9°55	26°36	25°27	29°46	2° 7	S 12
M13	5 27 59	21°29'41	15°27	4°50	18°17	18°31	2°24	27°16	14° 9	14°55	9°53	26°38	25°23	29°53	2° 7	M13
T 14	5 31 56	22°30'47	27°25	4°D41	19°31	19°18	2°35	27°11	14°12	14°58	9°52	26°40	25°20	29°59	2° 7	T 14
W15	5 35 52	23°31'53	9♉15	4°42	20°45	20° 5	2°45	27° 6	14°16	15° 0	9°51	26°41	25°17	0♊ 6	2° 7	W15
T 16	5 39 49	24°32'59	21° 2	4°52	21°59	20°52	2°55	27° 1	14°20	15° 2	9°50	26°R43	25°14	0°12	2°R 7	T 16
F 17	5 43 45	25°34'06	2♊49	5°11	23°13	21°39	3° 6	26°56	14°23	15° 4	9°49	26°42	25°11	0°19	2° 7	F 17
S 18	5 47 42	26°35'14	14°40	5°38	24°27	22°26	3°16	26°51	14°27	15° 7	9°48	26°41	25° 8	0°26	2° 7	S 18
S 19	5 51 38	27°36'21	26°35	6°12	25°41	23°13	3°26	26°46	14°30	15° 9	9°47	26°38	25° 4	0°32	2° 7	S 19
M20	5 55 35	28°37'29	8♋38	6°52	26°55	24° 0	3°36	26°41	14°34	15°11	9°46	26°33	25° 1	0°39	2° 6	M20
T 21	5 59 32	29°38'38	20°49	7°37	28° 9	24°47	3°46	26°36	14°38	15°13	9°45	26°27	24°58	0°46	2° 6	T 21
W22	6 3 28	0♑39'46	3♌11	8°28	29°23	25°34	3°55	26°31	14°41	15°16	9°44	26°21	24°55	0°52	2° 5	W22
T 23	6 7 25	1°40'55	15°43	9°23	0♐38	26°21	4° 5	26°26	14°45	15°18	9°42	26°15	24°52	0°59	2° 5	T 23
F 24	6 11 21	2°42'05	28°29	10°22	1°52	27° 8	4°15	26°22	14°48	15°20	9°41	26° 9	24°48	1° 6	2° 4	F 24
S 25	6 15 18	3°43'15	11♍28	11°24	3° 6	27°55	4°24	26°17	14°52	15°22	9°40	26° 5	24°45	1°12	2° 3	S 25
S 26	6 19 14	4°44'25	24°43	12°29	4°21	28°42	4°33	26°12	14°55	15°24	9°39	26° 3	24°42	1°19	2° 2	S 26
M27	6 23 11	5°45'35	8♎17	13°37	5°35	29°29	4°43	26° 7	14°59	15°26	9°38	26°D 3	24°39	1°26	2° 0	M27
T 28	6 27 8	6°46'46	22° 9	14°48	6°49	0♒16	4°52	26° 2	15° 2	15°29	9°37	26° 4	24°36	1°32	1°59	T 28
W29	6 31 4	7°47'57	6♏20	16° 0	8° 4	1° 4	5° 1	25°57	15° 6	15°31	9°36	26° 5	24°33	1°39	1°58	W29
T 30	6 35 1	8°49'08	20°50	17°15	9°18	1°51	5°10	25°52	15° 9	15°33	9°35	26°R 6	24°29	1°46	1°56	T 30
F 31	6 38 57	9♑50'20	5♐36	18♐31	10♐33	2♒38	5♏18	25♊48	15♐13	15♐35	9♊34	26♉ 6	24♉26	1♊52	1♍54	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s53	8s 4	2n37	22s31	0n22	10s52	1n59	24s18	1s 9	10s31	1n 7	22n19	1s 9	22s28	0s 1	21s11	1n24	11n44	10s23	19n29	19n18	20n 6	5n 0	6s14
T 2	22 2	14 13	1 21	22 3	0 43	11 17	1 58	24 15	1 9	10 35	1 7	22 19	1 9	22 29	0 1	21 12	1 24	11 44	10 23	19 29	19 17	20 8	4 58	6 14
F 3	22 11	19 36	0s 2	21 35	1 3	11 42	1 58	24 12	1 9	10 39	1 7	22 19	1 9	22 29	0 1	21 12	1 24	11 44	10 23	19 29	19 16	20 10	4 57	6 15
S 4	22 19	23 44	1 25	21 6	1 23	12 6	1 57	24 8	1 9	10 43	1 7	22 19	1 9	22 30	0 1	21 12	1 24	11 44	10 23	19 29	19 16	20 13	4 56	6 15
S 5	22 27	26 10	2 42	20 37	1 41	12 30	1 57	24 4	1 9	10 46	1 7	22 19	1 9	22 30	0 1	21 12	1 24	11 44	10 23	19 29	19 15	20 15	4 55	6 16
M 6	22 34	26 40	3 47	20 9	1 58	12 55	1 56	23 59	1 9	10 50	1 7	22 19	1 9	22 31	0 1	21 13	1 24	11 44	10 23	19 28	19 14	20 17	4 54	6 17
T 7	22 41	25 17	4 35	19 44	2 13	13 18	1 55	23 55	1 9	10 54	1 8	22 19	1 9	22 31	0 1	21 13	1 24	11 44	10 22	19 27	19 13	20 20	4 53	6 17
W 8	22 47	22 20	5 4	19 20	2 25	13 42	1 54	23 50	1 9	10 58	1 8	22 19	1 9	22 32	0 1	21 13	1 24	11 43	10 22	19 27	19 13	20 22	4 53	6 18
T 9	22 53	18 13	5 16	19 0	2 36	14 5	1 53	23 45	1 9	11 1	1 8	22 19	1 9	22 32	0 1	21 14	1 24	11 43	10 22	19 26	19 12	20 24	4 52	6 18
F 10	22 59	13 21	5 10	18 43	2 44	14 28	1 52	23 39	1 9	11 5	1 8	22 19	1 9	22 32	0 1	21 14	1 24	11 43	10 22	19 26	19 11	20 27	4 51	6 19
S 11	23 4	8 2	4 48	18 31	2 50	14 50	1 51	23 33	1 9	11 9	1 8	22 19	1 9	22 33	0 1	21 14	1 24	11 43	10 22	19 26	19 10	20 29	4 50	6 19
S 12	23 9	2 34	4 13	18 22	2 53	15 12	1 50	23 27	1 9	11 12	1 8	22 19	1 9	22 33	0 1	21 14	1 24	11 43	10 22	19 26	19 10	20 31	4 50	6 20
M13	23 13	2n54	3 28	18 16	2 55	15 34	1 48	23 21	1 9	11 16	1 8	22 19	1 9	22 34	0 1	21 15	1 24	11 43	10 22	19 26	19 9	20 33	4 49	6 20
T 14	23 16	8 10	2 34	18 15	2 55	15 56	1 47	23 14	1 10	11 19	1 8	22 19	1 9	22 34	0 1	21 15	1 24	11 43	10 22	19 27	19 8	20 36	4 48	6 21
W15	23 20	13 7	1 35	18 17	2 53	16 17	1 45	23 8	1 10	11 23	1 8	22 19	1 8	22 35	0 1	21 15	1 24	11 43	10 22	19 27	19 7	20 38	4 48	6 22
T 16	23 22	17 33	0 31	18 21	2 51	16 37	1 44	23 1	1 10	11 26	1 8	22 19	1 8	22 35	0 1	21 15	1 24	11 43	10 22	19 28	19 7	20 40	4 47	6 22
F 17	23 25	21 19	0n34	18 28	2 47	16 58	1 42	22 53	1 10	11 30	1 9	22 19	1 8	22 35	0 1	21 16	1 24	11 43	10 22	19 28	19 6	20 43	4 47	6 23
S 18	23 27	24 12	1 37	18 38	2 42	17 17	1 41	22 46	1 10	11 33	1 9	22 19	1 8	22 36	0 1	21 16	1 24	11 43	10 22	19 27	19 5	20 45	4 46	6 23
S 19	23 28	26 3	2 36	18 49	2 36	17 37	1 39	22 38	1 9	11 36	1 9	22 19	1 8	22 36	0 1	21 16	1 24	11 43	10 21	19 26	19 4	20 47	4 46	6 24
M20	23 29	26 41	3 29	19 2	2 30	17 56	1 37	22 29	1 9	11 40	1 9	22 19	1 8	22 37	0 1	21 16	1 24	11 43	10 21	19 25	19 4	20 49	4 46	6 24
T 21	23 29	26 3	4 14	19 17	2 23	18 14	1 35	22 21	1 9	11 43	1 9	22 19	1 8	22 37	0 1	21 17	1 24	11 43	10 21	19 24	19 3	20 52	4 45	6 25
W22	23 29	24 7	4 46	19 32	2 15	18 32	1 33	22 12	1 9	11 46	1 9	22 19	1 8	22 38	0 1	21 17	1 24	11 43	10 21	19 23	19 2	20 54	4 45	6 25
T 23	23 29	21 1	5 6	19 48	2 8	18 50	1 32	22 4	1 9	11 49	1 9	22 19	1 8	22 38	0 1	21 17	1 24	11 43	10 21	19 21	19 1	20 56	4 45	6 26
F 24	23 27	16 53	5 11	20 4	2 0	19 7	1 30	21 54	1 9	11 52	1 9	22 19	1 7	22 38	0 1	21 17	1 24	11 43	10 21	19 20	19 0	20 58	4 45	6 26
S 25	23 26	11 54	5 0	20 21	1 52	19 23	1 27	21 45	1 9	11 55	1 10	22 19	1 7	22 39	0 1	21 17	1 24	11 43	10 21	19 19	19 0	21 1	4 44	6 27
S 26	23 24	6 17	4 33	20 38	1 43	19 39	1 25	21 35	1 9	11 58	1 10	22 19	1 7	22 39	0 1	21 18	1 24	11 42	10 21	19 18	18 59	21 3	4 44	6 27
M27	23 22	0 15	3 51	20 55	1 35	19 55	1 23	21 25	1 9	12 1	1 10	22 19	1 7	22 40	0 1	21 18	1 24	11 42	10 20	19 18	18 58	21 5	4 44	6 28
T 28	23 19	5s57	2 54	21 11	1 26	20 10	1 21	21 15	1 9	12 4	1 10	22 19	1 7	22 40	0 1	21 18	1 24	11 42	10 20	19 18	18 57	21 7	4 44	6 28
W29	23 15	12 0	1 45	21 28	1 18	20 24	1 19	21 5	1 9	12 7	1 10	22 19	1 7	22 40	0 1	21 18	1 24	11 42	10 20	19 19	18 57	21 9	4 44	6 29
T 30	23 12	17 32	0 29	21 44	1 9	20 38	1 17	20 54	1 9	12 10	1 10	22 19	1 7	22 41	0 1	21 19	1 24	11 42	10 20	19 19	18 56	21 12	4 45	6 29
F 31	23s 7	22s 7	0s51	21s59	1n 1	20s51	1n14	20s43	1s 9	12s13	1n10	22n19	1s 7	22s41	0s 1	21s19	1n24	11n43	10s20	19n19	18n55	21n14	4n45	6s30

Julian Day Number = 2323679.5, Delta T = 43.37 sec
Ecliptic obliquity = 23°29'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°51'14, Lahiri = 18°58'14Greg. Calendar

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