Astrodienst Ephemeris Tables

from the year 700 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

JANUARY 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 12 45	4♑24'53	21♌28	9♐19	15°R35	11♒21	24♍53	10°R46	0♐10	11°R30	19♐28	6♌33	8♌ 8	25♏ 0	n.a.	S 1
S 2	6 16 41	5°25'42	4♍49	10°27	15♑ 2	12° 6	24°56	10♍45	0°13	11♌29	19°30	6°35	8° 4	25° 6	n.a.	S 2
M 3	6 20 38	6°26'30	17°45	11°37	14°28	12°52	24°58	10°44	0°16	11°28	19°32	6°37	8° 1	25°13	n.a.	M 3
T 4	6 24 35	7°27'16	0♎19	12°49	13°52	13°38	25° 1	10°44	0°19	11°27	19°34	6°38	7°58	25°20	n.a.	T 4
W 5	6 28 31	8°28'01	12°35	14° 3	13°16	14°23	25° 3	10°43	0°22	11°25	19°36	6°R38	7°55	25°27	n.a.	W 5
T 6	6 32 28	9°28'45	24°38	15°18	12°39	15° 9	25° 5	10°42	0°25	11°24	19°38	6°37	7°52	25°33	n.a.	T 6
F 7	6 36 24	10°29'28	6♏33	16°35	12° 2	15°54	25° 7	10°41	0°28	11°23	19°40	6°35	7°48	25°40	n.a.	F 7
S 8	6 40 21	11°30'10	18°24	17°54	11°25	16°40	25° 9	10°39	0°31	11°21	19°42	6°31	7°45	25°47	n.a.	S 8
S 9	6 44 17	12°30'50	0♐15	19°13	10°47	17°25	25°10	10°38	0°34	11°20	19°44	6°27	7°42	25°53	n.a.	S 9
M10	6 48 14	13°31'28	12°10	20°34	10°10	18°10	25°12	10°37	0°37	11°18	19°45	6°23	7°39	26° 0	n.a.	M10
T 11	6 52 10	14°32'06	24°10	21°57	9°34	18°56	25°13	10°35	0°40	11°17	19°47	6°19	7°36	26° 7	n.a.	T 11
W12	6 56 7	15°32'41	6♑18	23°20	8°58	19°41	25°14	10°34	0°43	11°16	19°49	6°16	7°33	26°14	n.a.	W12
T 13	7 0 4	16°33'15	18°35	24°45	8°24	20°26	25°15	10°32	0°45	11°14	19°51	6°14	7°29	26°20	n.a.	T 13
F 14	7 4 0	17°33'48	1♒ 3	26°10	7°50	21°12	25°15	10°30	0°48	11°13	19°53	6°D13	7°26	26°27	n.a.	F 14
S 15	7 7 57	18°34'18	13°43	27°37	7°19	21°57	25°16	10°28	0°51	11°11	19°54	6°13	7°23	26°34	n.a.	S 15
S 16	7 11 53	19°34'47	26°34	29° 5	6°49	22°42	25°16	10°26	0°54	11°10	19°56	6°14	7°20	26°40	n.a.	S 16
M17	7 15 50	20°35'13	9♓39	0♑34	6°20	23°27	25°R16	10°24	0°56	11° 8	19°58	6°15	7°17	26°47	n.a.	M17
T 18	7 19 46	21°35'38	22°58	2° 4	5°54	24°12	25°16	10°22	0°59	11° 7	20° 0	6°16	7°14	26°54	n.a.	T 18
W19	7 23 43	22°36'00	6♈32	3°35	5°30	24°57	25°16	10°20	1° 2	11° 5	20° 2	6°17	7°10	27° 1	n.a.	W19
T 20	7 27 39	23°36'20	20°22	5° 7	5° 8	25°42	25°15	10°17	1° 4	11° 3	20° 3	6°R18	7° 7	27° 7	n.a.	T 20
F 21	7 31 36	24°36'38	4♉26	6°40	4°48	26°27	25°15	10°15	1° 7	11° 2	20° 5	6°18	7° 4	27°14	n.a.	F 21
S 22	7 35 33	25°36'54	18°45	8°13	4°31	27°12	25°14	10°12	1° 9	11° 0	20° 7	6°17	7° 1	27°21	n.a.	S 22
S 23	7 39 29	26°37'08	3♊14	9°48	4°16	27°57	25°13	10°10	1°12	10°59	20° 8	6°16	6°58	27°27	n.a.	S 23
M24	7 43 26	27°37'20	17°51	11°24	4° 4	28°42	25°11	10° 7	1°14	10°57	20°10	6°15	6°54	27°34	n.a.	M24
T 25	7 47 22	28°37'30	2♋29	13° 1	3°54	29°27	25°10	10° 4	1°16	10°55	20°12	6°14	6°51	27°41	n.a.	T 25
W26	7 51 19	29°37'37	17° 1	14°40	3°46	0♓12	25° 8	10° 2	1°19	10°54	20°13	6°13	6°48	27°48	n.a.	W26
T 27	7 55 15	0♒37'42	1♌23	16°19	3°41	0°56	25° 6	9°59	1°21	10°52	20°15	6°D13	6°45	27°54	n.a.	T 27
F 28	7 59 12	1°37'46	15°28	17°59	3°39	1°41	25° 4	9°56	1°23	10°51	20°16	6°13	6°42	28° 1	n.a.	F 28
S 29	8 3 8	2°37'47	29°12	19°40	3°D39	2°26	25° 2	9°52	1°25	10°49	20°18	6°13	6°39	28° 8	n.a.	S 29
S 30	8 7 5	3°37'47	12♍34	21°22	3°41	3°10	25° 0	9°49	1°27	10°47	20°20	6°14	6°35	28°14	n.a.	S 30
M31	8 11 2	4♒37'44	25♍34	23♑ 6	3♑46	3♓55	24♍57	9♍46	1♐30	10♌46	20♐21	6♌14	6♌32	28♏21	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	15n49	1n21	21s16	0n55	17s34	5n19	18s36	1s 1	3n28	1n32	9n54	2n27	20s27	0n 2	18n31	0n59	24s51	1s30	18n54	18n30	14s30		n.a.
S 2	23 40	12 10	2 29	21 35	0 45	17 25	5 32	18 23	1 1	3 27	1 32	9 54	2 27	20 27	0 2	18 31	0 59	24 51	1 30	18 53	18 30	14 32		n.a.
M 3	23 37	8 4	3 27	21 54	0 36	17 15	5 46	18 9	1 0	3 26	1 32	9 55	2 28	20 28	0 2	18 31	0 59	24 51	1 30	18 53	18 31	14 34		n.a.
T 4	23 34	3 44	4 13	22 13	0 27	17 6	5 58	17 55	0 59	3 25	1 32	9 55	2 28	20 29	0 2	18 32	0 59	24 51	1 30	18 53	18 32	14 36		n.a.
W 5	23 30	0s39	4 46	22 31	0 18	16 58	6 10	17 41	0 59	3 24	1 33	9 56	2 28	20 29	0 2	18 32	0 59	24 52	1 30	18 53	18 33	14 38		n.a.
T 6	23 26	4 55	5 7	22 48	0 9	16 50	6 22	17 27	0 58	3 24	1 33	9 57	2 29	20 30	0 2	18 33	0 59	24 52	1 30	18 53	18 34	14 40		n.a.
F 7	23 21	8 58	5 14	23 5	0 1	16 43	6 32	17 13	0 58	3 23	1 33	9 57	2 29	20 31	0 2	18 33	0 59	24 52	1 30	18 54	18 35	14 41		n.a.
S 8	23 16	12 38	5 7	23 20	0s 7	16 36	6 42	16 58	0 57	3 23	1 34	9 58	2 29	20 31	0 2	18 33	0 59	24 52	1 30	18 54	18 35	14 43		n.a.
S 9	23 11	15 49	4 47	23 35	0 15	16 30	6 51	16 44	0 56	3 23	1 34	9 59	2 29	20 32	0 2	18 34	0 59	24 53	1 30	18 55	18 36	14 45		n.a.
M10	23 5	18 22	4 15	23 49	0 23	16 25	7 0	16 29	0 56	3 22	1 34	10 0	2 30	20 33	0 2	18 34	0 59	24 53	1 31	18 57	18 37	14 47		n.a.
T 11	22 58	20 8	3 31	24 3	0 31	16 20	7 7	16 14	0 55	3 22	1 34	10 0	2 30	20 33	0 2	18 35	0 59	24 53	1 31	18 57	18 38	14 49		n.a.
W12	22 51	21 0	2 37	24 15	0 38	16 16	7 14	15 59	0 55	3 22	1 35	10 1	2 30	20 34	0 2	18 35	0 59	24 53	1 31	18 58	18 39	14 51		n.a.
T 13	22 44	20 53	1 36	24 26	0 45	16 12	7 19	15 44	0 54	3 22	1 35	10 2	2 30	20 34	0 2	18 36	0 59	24 54	1 31	18 59	18 39	14 52		n.a.
F 14	22 36	19 45	0 28	24 36	0 52	16 9	7 24	15 29	0 53	3 22	1 35	10 3	2 31	20 35	0 2	18 36	0 59	24 54	1 31	18 59	18 40	14 54		n.a.
S 15	22 28	17 36	0s41	24 44	0 59	16 7	7 28	15 13	0 53	3 22	1 36	10 4	2 31	20 36	0 2	18 37	0 59	24 54	1 31	18 59	18 41	14 56		n.a.
S 16	22 20	14 33	1 50	24 52	1 5	16 5	7 31	14 58	0 52	3 22	1 36	10 5	2 31	20 36	0 1	18 37	0 59	24 54	1 31	18 59	18 42	14 58		n.a.
M17	22 11	10 45	2 55	24 58	1 11	16 4	7 33	14 42	0 51	3 22	1 36	10 6	2 31	20 37	0 1	18 37	0 59	24 55	1 31	18 58	18 43	15 0		n.a.
T 18	22 1	6 21	3 51	25 3	1 17	16 4	7 35	14 26	0 51	3 23	1 36	10 7	2 32	20 37	0 1	18 38	0 59	24 55	1 31	18 58	18 44	15 1		n.a.
W19	21 51	1 34	4 35	25 7	1 23	16 4	7 36	14 10	0 50	3 23	1 37	10 8	2 32	20 38	0 1	18 38	0 59	24 55	1 32	18 58	18 44	15 3		n.a.
T 20	21 41	3n22	5 5	25 9	1 28	16 5	7 36	13 54	0 49	3 23	1 37	10 9	2 32	20 38	0 1	18 39	0 59	24 55	1 32	18 58	18 45	15 5		n.a.
F 21	21 30	8 13	5 16	25 9	1 33	16 7	7 35	13 38	0 49	3 24	1 37	10 11	2 32	20 39	0 1	18 39	0 59	24 56	1 32	18 58	18 46	15 7		n.a.
S 22	21 19	12 41	5 9	25 8	1 38	16 9	7 33	13 22	0 48	3 25	1 37	10 12	2 33	20 39	0 1	18 40	0 59	24 56	1 32	18 58	18 47	15 9		n.a.
S 23	21 8	16 29	4 42	25 6	1 42	16 11	7 31	13 6	0 48	3 25	1 38	10 13	2 33	20 40	0 1	18 40	0 59	24 56	1 32	18 58	18 48	15 11		n.a.
M24	20 56	19 17	3 57	25 2	1 46	16 14	7 29	12 49	0 47	3 26	1 38	10 14	2 33	20 40	0 1	18 41	0 59	24 56	1 32	18 59	18 48	15 12		n.a.
T 25	20 44	20 49	2 56	24 57	1 49	16 18	7 25	12 33	0 46	3 27	1 38	10 16	2 33	20 41	0 1	18 41	0 59	24 57	1 32	18 59	18 49	15 14		n.a.
W26	20 31	20 57	1 44	24 49	1 53	16 22	7 22	12 16	0 46	3 28	1 39	10 17	2 34	20 41	0 1	18 42	0 59	24 57	1 32	18 59	18 50	15 16		n.a.
T 27	20 18	19 42	0 27	24 40	1 55	16 26	7 17	12 0	0 45	3 29	1 39	10 18	2 34	20 42	0 1	18 42	0 59	24 57	1 32	18 59	18 51	15 18		n.a.
F 28	20 5	17 14	0n51	24 30	1 58	16 31	7 13	11 43	0 44	3 30	1 39	10 20	2 34	20 42	0 1	18 43	0 59	24 57	1 33	18 59	18 52	15 20		n.a.
S 29	19 51	13 51	2 4	24 17	2 0	16 36	7 8	11 26	0 44	3 31	1 39	10 21	2 34	20 43	0 1	18 43	0 59	24 58	1 33	18 59	18 53	15 21		n.a.
S 30	19 37	9 50	3 8	24 3	2 2	16 42	7 2	11 9	0 43	3 32	1 40	10 22	2 34	20 43	0 1	18 43	0 59	24 58	1 33	18 59	18 53	15 23		n.a.
M31	19s23	5n28	4n 1	23s47	2s 3	16s47	6n56	10s52	0s42	3n33	1n40	10n24	2n35	20s44	0n 1	18n44	0n59	24s58	1s33	18n59	18n54	15s25		n.a.

Julian Day Number = 1465748.5, Delta T = 05h35m24s
Ecliptic obliquity = 23°46'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'28, Lahiri = -13°37'27 Julian Calendar 1 Jan. 700 BCE == Greg. Calendar 25 Dec. 701 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

FEBRUARY 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 14 58	5♒37'40	8♎13	24♉50	3♉53	4♓39	24°R54	9°R43	1♐32	10°R44	20♐23	6♌14	6♌29	28♏28	n.a.	T 1
W 2	8 18 55	6°37'34	20°34	26°36	4° 3	5°24	24♍52	9♍39	1°34	10♌42	20°24	6°R14	6°26	28°35	n.a.	W 2
T 3	8 22 51	7°37'26	2♏41	28°23	4°14	6° 8	24°48	9°36	1°36	10°41	20°26	6°D14	6°23	28°41	n.a.	T 3
F 4	8 26 48	8°37'16	14°38	0♒10	4°28	6°52	24°45	9°32	1°38	10°39	20°27	6°14	6°19	28°48	n.a.	F 4
S 5	8 30 44	9°37'05	26°30	1°59	4°43	7°37	24°42	9°29	1°39	10°37	20°28	6°14	6°16	28°55	n.a.	S 5
S 6	8 34 41	10°36'52	8♐22	3°50	5° 1	8°21	24°38	9°25	1°41	10°36	20°30	6°15	6°13	29° 1	n.a.	S 6
M 7	8 38 37	11°36'37	20°18	5°41	5°21	9° 5	24°34	9°21	1°43	10°34	20°31	6°15	6°10	29° 8	n.a.	M 7
T 8	8 42 34	12°36'20	2♑22	7°34	5°42	9°49	24°30	9°17	1°45	10°32	20°33	6°16	6° 7	29°15	n.a.	T 8
W 9	8 46 31	13°36'01	14°38	9°27	6° 6	10°33	24°26	9°14	1°47	10°31	20°34	6°16	6° 4	29°22	n.a.	W 9
T 10	8 50 27	14°35'40	27° 7	11°22	6°31	11°17	24°22	9°10	1°48	10°29	20°35	6°17	6° 0	29°28	n.a.	T 10
F 11	8 54 24	15°35'17	9♒51	13°18	6°57	12° 1	24°17	9° 6	1°50	10°27	20°37	6°R17	5°57	29°35	n.a.	F 11
S 12	8 58 20	16°34'52	22°51	15°15	7°26	12°45	24°13	9° 2	1°51	10°26	20°38	6°17	5°54	29°42	n.a.	S 12
S 13	9 2 17	17°34'24	6♓ 7	17°13	7°55	13°29	24° 8	8°58	1°53	10°24	20°39	6°16	5°51	29°48	n.a.	S 13
M14	9 6 13	18°33'55	19°37	19°12	8°27	14°13	24° 3	8°53	1°54	10°22	20°40	6°14	5°48	29°55	n.a.	M14
T 15	9 10 10	19°33'23	3♈20	21°12	9° 0	14°57	23°58	8°49	1°56	10°21	20°42	6°12	5°45	0♐ 2	n.a.	T 15
W16	9 14 6	20°32'48	17°13	23°12	9°34	15°41	23°53	8°45	1°57	10°19	20°43	6°11	5°41	0° 9	n.a.	W16
T 17	9 18 3	21°32'11	1♉15	25°13	10° 9	16°25	23°47	8°41	1°58	10°18	20°44	6° 9	5°38	0°15	n.a.	T 17
F 18	9 21 59	22°31'32	15°23	27°15	10°46	17° 8	23°42	8°37	2° 0	10°16	20°45	6° 8	5°35	0°22	n.a.	F 18
S 19	9 25 56	23°30'51	29°34	29°16	11°24	17°52	23°36	8°32	2° 1	10°14	20°46	6°D 8	5°32	0°29	n.a.	S 19
S 20	9 29 53	24°30'06	13♊48	1♓18	12° 3	18°36	23°30	8°28	2° 2	10°13	20°47	6° 9	5°29	0°35	n.a.	S 20
M21	9 33 49	25°29'20	28° 0	3°20	12°43	19°19	23°25	8°24	2° 3	10°11	20°48	6°10	5°25	0°42	n.a.	M21
T 22	9 37 46	26°28'31	12♋10	5°21	13°24	20° 3	23°19	8°19	2° 4	10°10	20°49	6°12	5°22	0°49	n.a.	T 22
W23	9 41 42	27°27'40	26°13	7°21	14° 6	20°46	23°12	8°15	2° 5	10° 8	20°50	6°13	5°19	0°56	n.a.	W23
T 24	9 45 39	28°26'46	10♌ 8	9°20	14°50	21°30	23° 6	8°10	2° 6	10° 6	20°51	6°R13	5°16	1° 2	n.a.	T 24
F 25	9 49 35	29°25'50	23°50	11°17	15°34	22°13	23° 0	8° 6	2° 7	10° 5	20°52	6°12	5°13	1° 9	n.a.	F 25
S 26	9 53 32	0♓24'52	7♍18	13°13	16°19	22°56	22°53	8° 1	2° 8	10° 3	20°53	6°10	5°10	1°16	n.a.	S 26
S 27	9 57 28	1°23'51	20°30	15° 6	17° 5	23°40	22°47	7°57	2° 9	10° 2	20°54	6° 7	5° 6	1°22	n.a.	S 27
M28	10 1 25	2♓22'49	3♎24	16♓56	17♉52	24♓23	22♍40	7♍52	2♐10	10♌ 0	20♐55	6♌ 3	5♌ 3	1♐29	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	19s 8	0n59	4n40	23s29	2s 4	16s53	6n50	10s35	0s42	3n35	1n40	10n25	2n35	20s44	0n 1	18n44	0n59	24s58	1s33	18n59	18n55	15s27		n.a.	T 1
W 2	18 53	3s26	5 6	23 10	2 4	16 59	6 44	10 18	0 41	3 36	1 40	10 27	2 35	20 45	0 1	18 45	0 59	24 58	1 33	18 59	18 56	15 28		n.a.	W 2
T 3	18 37	7 37	5 17	22 48	2 4	17 6	6 37	10 1	0 40	3 38	1 41	10 28	2 35	20 45	0 1	18 45	0 59	24 59	1 33	18 59	18 57	15 30		n.a.	T 3
F 4	18 22	11 27	5 14	22 24	2 3	17 12	6 30	9 44	0 40	3 39	1 41	10 30	2 35	20 45	0 1	18 46	0 59	24 59	1 33	18 59	18 57	15 32		n.a.	F 4
S 5	18 6	14 49	4 58	21 59	2 2	17 19	6 23	9 26	0 39	3 41	1 41	10 31	2 36	20 46	0 1	18 46	0 59	24 59	1 34	18 59	18 58	15 34		n.a.	S 5
S 6	17 49	17 35	4 29	21 32	2 1	17 25	6 16	9 9	0 38	3 42	1 41	10 33	2 36	20 46	0 1	18 47	0 59	24 59	1 34	18 59	18 59	15 36		n.a.	S 6
M 7	17 33	19 37	3 48	21 2	1 59	17 32	6 8	8 51	0 38	3 44	1 42	10 35	2 36	20 47	0 1	18 47	0 59	25 0	1 34	18 58	19 0	15 37		n.a.	M 7
T 8	17 16	20 48	2 57	20 31	1 56	17 39	6 1	8 34	0 37	3 46	1 42	10 36	2 36	20 47	0 1	18 48	0 59	25 0	1 34	18 58	19 1	15 39		n.a.	T 8
W 9	16 59	21 1	1 57	19 57	1 53	17 45	5 53	8 16	0 36	3 48	1 42	10 38	2 36	20 47	0 1	18 48	0 59	25 0	1 34	18 58	19 1	15 41		n.a.	W 9
T 10	16 41	20 12	0 51	19 22	1 50	17 52	5 46	7 59	0 36	3 50	1 42	10 39	2 37	20 48	0 1	18 49	0 59	25 0	1 34	18 58	19 2	15 43		n.a.	T 10
F 11	16 23	18 21	0s20	18 45	1 46	17 58	5 38	7 41	0 35	3 52	1 42	10 41	2 37	20 48	0 1	18 49	0 59	25 0	1 34	18 58	19 3	15 44		n.a.	F 11
S 12	16 5	15 31	1 31	18 6	1 41	18 5	5 30	7 24	0 34	3 54	1 43	10 43	2 37	20 48	0 1	18 50	0 59	25 1	1 34	18 58	19 4	15 46		n.a.	S 12
S 13	15 47	11 50	2 38	17 25	1 36	18 11	5 22	7 6	0 34	3 56	1 43	10 45	2 37	20 49	0 1	18 50	1 0	25 1	1 35	18 58	19 5	15 48		n.a.	S 13
M14	15 29	7 29	3 37	16 42	1 30	18 17	5 14	6 48	0 33	3 58	1 43	10 46	2 37	20 49	0 1	18 51	1 0	25 1	1 35	18 59	19 5	15 50		n.a.	M14
T 15	15 10	2 43	4 26	15 57	1 23	18 23	5 6	6 30	0 32	4 0	1 43	10 48	2 37	20 49	0 1	18 51	1 0	25 1	1 35	18 59	19 6	15 51		n.a.	T 15
W16	14 51	2n16	4 59	15 10	1 16	18 29	4 58	6 13	0 32	4 3	1 44	10 50	2 37	20 49	0 1	18 51	1 0	25 2	1 35	19 0	19 7	15 53		n.a.	W16
T 17	14 31	7 10	5 15	14 22	1 8	18 34	4 50	5 55	0 31	4 5	1 44	10 51	2 38	20 50	0 1	18 52	1 0	25 2	1 35	19 0	19 8	15 55		n.a.	T 17
F 18	14 12	11 42	5 12	13 32	1 0	18 40	4 41	5 37	0 30	4 7	1 44	10 53	2 38	20 50	0 1	18 52	1 0	25 2	1 35	19 0	19 9	15 57		n.a.	F 18
S 19	13 52	15 38	4 50	12 41	0 51	18 45	4 33	5 19	0 30	4 10	1 44	10 55	2 38	20 50	0 1	18 53	1 0	25 2	1 35	19 0	19 9	15 58		n.a.	S 19
S 20	13 32	18 38	4 10	11 49	0 42	18 49	4 25	5 1	0 29	4 12	1 44	10 57	2 38	20 51	0 1	18 53	1 0	25 2	1 35	19 0	19 10	16 0		n.a.	S 20
M21	13 12	20 30	3 15	10 55	0 32	18 54	4 17	4 43	0 29	4 15	1 44	10 58	2 38	20 51	0 1	18 54	1 0	25 3	1 36	19 0	19 11	16 2		n.a.	M21
T 22	12 52	21 5	2 9	10 1	0 21	18 58	4 9	4 25	0 28	4 17	1 45	11 0	2 38	20 51	0 1	18 54	1 0	25 3	1 36	18 59	19 12	16 4		n.a.	T 22
W23	12 32	20 18	0 55	9 6	0 11	19 1	4 1	4 7	0 27	4 20	1 45	11 2	2 38	20 51	0 1	18 55	1 0	25 3	1 36	18 59	19 12	16 5		n.a.	W23
T 24	12 11	18 18	0n22	8 10	0n 1	19 5	3 53	3 49	0 27	4 23	1 45	11 4	2 38	20 51	0 1	18 55	1 0	25 3	1 36	18 59	19 13	16 7		n.a.	T 24
F 25	11 50	15 16	1 36	7 15	0 12	19 8	3 45	3 32	0 26	4 25	1 45	11 6	2 38	20 52	0 1	18 55	1 0	25 3	1 36	18 59	19 14	16 9		n.a.	F 25
S 26	11 29	11 28	2 43	6 19	0 24	19 10	3 37	3 14	0 25	4 28	1 45	11 7	2 39	20 52	0 1	18 56	1 0	25 4	1 36	19 0	19 15	16 11		n.a.	S 26
S 27	11 8	7 10	3 40	5 24	0 36	19 12	3 29	2 56	0 25	4 31	1 45	11 9	2 39	20 52	0 1	18 56	1 0	25 4	1 36	19 1	19 16	16 12		n.a.	S 27
M28	10s46	2n39	4n24	4s29	0n48	19s14	3n22	2s38	0s24	4n34	1n45	11n11	2n39	20s52	0n 1	18n57	1n 0	25s 4	1s37	19n 2	19n16	16s14		n.a.	M28

Julian Day Number = 1465779.5, Delta T = 05h35m22s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'24, Lahiri = -13°37'23 Julian Calendar 1 Feb. 700 BCE == Greg. Calendar 25 Jan. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

MARCH 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 5 22	3♓21'44	16♎ 1	18♓44	18♉40	25♓ 6	22°R33	7°R48	2♐10	9°R59	20♐56	5°R58	5♌ 0	1♐36	n.a.	T 1
W 2	10 9 18	4°20'38	28°23	20°28	19°28	25°49	22♍26	7♍43	2°11	9♌57	20°57	5♌54	4°57	1°42	n.a.	W 2
T 3	10 13 15	5°19'30	10♏31	22° 8	20°18	26°32	22°19	7°38	2°12	9°56	20°57	5°50	4°54	1°49	n.a.	T 3
F 4	10 17 11	6°18'20	22°29	23°44	21° 8	27°15	22°12	7°34	2°12	9°54	20°58	5°48	4°51	1°56	n.a.	F 4
S 5	10 21 8	7°17'08	4♐22	25°15	21°58	27°58	22° 5	7°29	2°13	9°53	20°59	5°D47	4°47	2° 3	n.a.	S 5
S 6	10 25 4	8°15'54	16°14	26°42	22°50	28°41	21°58	7°25	2°13	9°51	21° 0	5°47	4°44	2° 9	n.a.	S 6
M 7	10 29 1	9°14'38	28°10	28° 4	23°42	29°24	21°51	7°20	2°14	9°50	21° 0	5°49	4°41	2°16	n.a.	M 7
T 8	10 32 57	10°13'21	10♑16	29°21	24°34	0♈ 7	21°43	7°16	2°14	9°49	21° 1	5°50	4°38	2°23	n.a.	T 8
W 9	10 36 54	11°12'02	22°35	0♈32	25°28	0°50	21°36	7°11	2°14	9°47	21° 2	5°52	4°35	2°29	n.a.	W 9
T 10	10 40 50	12°10'40	5♒11	1°38	26°21	1°32	21°28	7° 6	2°14	9°46	21° 2	5°R52	4°31	2°36	n.a.	T 10
F 11	10 44 47	13° 9'17	18° 7	2°39	27°16	2°15	21°21	7° 2	2°15	9°45	21° 3	5°52	4°28	2°43	n.a.	F 11
S 12	10 48 44	14° 7'52	1♓25	3°33	28°11	2°58	21°13	6°57	2°15	9°43	21° 3	5°49	4°25	2°50	n.a.	S 12
S 13	10 52 40	15° 6'25	15° 4	4°22	29° 6	3°40	21° 6	6°53	2°15	9°42	21° 4	5°45	4°22	2°56	n.a.	S 13
M14	10 56 37	16° 4'56	29° 0	5° 4	0♒ 2	4°23	20°58	6°48	2°R15	9°41	21° 4	5°39	4°19	3° 3	n.a.	M14
T 15	11 0 33	17° 3'25	13♈12	5°41	0°58	5° 6	20°51	6°44	2°15	9°39	21° 5	5°33	4°16	3°10	n.a.	T 15
W16	11 4 30	18° 1'52	27°32	6°11	1°55	5°48	20°43	6°39	2°15	9°38	21° 5	5°26	4°12	3°16	n.a.	W16
T 17	11 8 26	19° 0'16	11♉57	6°36	2°52	6°30	20°35	6°35	2°15	9°37	21° 6	5°21	4° 9	3°23	n.a.	T 17
F 18	11 12 23	19°58'39	26°19	6°54	3°50	7°13	20°28	6°30	2°15	9°36	21° 6	5°17	4° 6	3°30	n.a.	F 18
S 19	11 16 19	20°56'59	10♊37	7° 7	4°48	7°55	20°20	6°26	2°14	9°35	21° 6	5°15	4° 3	3°36	n.a.	S 19
S 20	11 20 16	21°55'17	24°46	7°13	5°46	8°37	20°12	6°22	2°14	9°33	21° 7	5°D14	4° 0	3°43	n.a.	S 20
M21	11 24 12	22°53'33	8♋46	7°R14	6°45	9°20	20° 5	6°17	2°14	9°32	21° 7	5°15	3°56	3°50	n.a.	M21
T 22	11 28 9	23°51'46	22°36	7° 9	7°44	10° 2	19°57	6°13	2°13	9°31	21° 7	5°16	3°53	3°57	n.a.	T 22
W23	11 32 6	24°49'58	6♌15	6°59	8°44	10°44	19°49	6° 9	2°13	9°30	21° 7	5°R17	3°50	4° 3	n.a.	W23
T 24	11 36 2	25°48'07	19°43	6°44	9°44	11°26	19°42	6° 5	2°13	9°29	21° 8	5°16	3°47	4°10	n.a.	T 24
F 25	11 39 59	26°46'14	3♍ 1	6°24	10°44	12° 8	19°34	6° 1	2°12	9°28	21° 8	5°12	3°44	4°17	n.a.	F 25
S 26	11 43 55	27°44'19	16° 7	6° 0	11°44	12°50	19°27	5°57	2°11	9°27	21° 8	5° 7	3°41	4°23	n.a.	S 26
S 27	11 47 52	28°42'23	29° 1	5°32	12°45	13°32	19°19	5°52	2°11	9°26	21° 8	4°59	3°37	4°30	n.a.	S 27
M28	11 51 48	29°40'24	11♎42	5° 1	13°46	14°14	19°12	5°48	2°10	9°25	21° 8	4°50	3°34	4°37	n.a.	M28
T 29	11 55 45	0♈38'24	24°10	4°27	14°48	14°56	19° 4	5°45	2°10	9°24	21° 8	4°40	3°31	4°44	n.a.	T 29
W30	11 59 41	1°36'22	6♏26	3°51	15°50	15°38	18°57	5°41	2° 9	9°23	21°R 8	4°30	3°28	4°50	n.a.	W30
T 31	12 3 38	2♈34'19	18♏31	3♈14	16♒52	16♈19	18♍50	5♍37	2♐ 8	9♌23	21♐ 8	4♌21	3♌25	4♐57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	10s25	1s52	4n54	3s36	1n 0	19s15	3n14	2s20	0s23	4n36	1n46	11n13	2n39	20s52	0n 1	18n57	1n 0	25s 4	1s37	19n 3	19n17	16s16			n.a.
W 2	10 3	6 13	5 10	2 43	1 13	19 16	3 6	2 2	0 23	4 39	1 46	11 15	2 39	20 52	0 1	18 57	1 0	25 4	1 37	19 4	19 18	16 18			n.a.
T 3	9 41	10 15	5 12	1 52	1 25	19 17	2 58	1 44	0 22	4 42	1 46	11 16	2 39	20 53	0 1	18 58	1 0	25 5	1 37	19 5	19 19	16 19			n.a.
F 4	9 19	13 49	5 0	1 3	1 36	19 17	2 51	1 26	0 21	4 45	1 46	11 18	2 39	20 53	0 1	18 58	1 0	25 5	1 37	19 5	19 19	16 21			n.a.
S 5	8 57	16 49	4 35	0 16	1 48	19 16	2 43	1 8	0 21	4 48	1 46	11 20	2 39	20 53	0 1	18 59	1 0	25 5	1 37	19 6	19 20	16 23			n.a.
S 6	8 35	19 6	3 59	0n29	1 59	19 15	2 36	0 50	0 20	4 51	1 46	11 22	2 39	20 53	0 1	18 59	1 0	25 5	1 37	19 5	19 21	16 24			n.a.
M 7	8 13	20 35	3 11	1 12	2 9	19 14	2 29	0 32	0 19	4 54	1 46	11 24	2 39	20 53	0 1	18 59	1 0	25 5	1 37	19 5	19 22	16 26			n.a.
T 8	7 50	21 8	2 15	1 52	2 19	19 12	2 21	0 14	0 19	4 57	1 46	11 25	2 39	20 53	0 1	19 0	1 0	25 5	1 38	19 5	19 23	16 28			n.a.
W 9	7 28	20 40	1 12	2 29	2 29	19 9	2 14	0n 4	0 18	5 0	1 46	11 27	2 39	20 53	0 1	19 0	1 0	25 6	1 38	19 4	19 23	16 30			n.a.
T 10	7 5	19 11	0 4	3 4	2 37	19 6	2 7	0 21	0 17	5 3	1 46	11 29	2 39	20 53	0 1	19 1	1 0	25 6	1 38	19 4	19 24	16 31			n.a.
F 11	6 43	16 40	1s 6	3 35	2 45	19 3	2 0	0 39	0 17	5 6	1 46	11 31	2 39	20 53	0 1	19 1	1 0	25 6	1 38	19 4	19 25	16 33			n.a.
S 12	6 20	13 13	2 14	4 4	2 52	18 59	1 53	0 57	0 16	5 9	1 46	11 32	2 39	20 53	0 1	19 1	0 59	25 6	1 38	19 5	19 26	16 35			n.a.
S 13	5 57	8 59	3 17	4 29	2 58	18 54	1 46	1 15	0 15	5 12	1 46	11 34	2 39	20 53	0 1	19 2	0 59	25 6	1 38	19 6	19 26	16 36			n.a.
M14	5 34	4 11	4 8	4 51	3 4	18 49	1 39	1 32	0 15	5 15	1 46	11 36	2 39	20 53	0 1	19 2	0 59	25 7	1 38	19 7	19 27	16 38			n.a.
T 15	5 11	0n54	4 46	5 9	3 8	18 43	1 32	1 50	0 14	5 18	1 46	11 37	2 39	20 53	0 1	19 2	0 59	25 7	1 39	19 9	19 28	16 40			n.a.
W16	4 48	5 59	5 6	5 24	3 11	18 37	1 26	2 8	0 14	5 21	1 46	11 39	2 39	20 53	0 1	19 3	0 59	25 7	1 39	19 11	19 29	16 41			n.a.
T 17	4 25	10 46	5 7	5 36	3 13	18 31	1 19	2 25	0 13	5 24	1 46	11 41	2 39	20 53	0 1	19 3	0 59	25 7	1 39	19 12	19 29	16 43			n.a.
F 18	4 1	14 56	4 48	5 44	3 13	18 24	1 13	2 43	0 12	5 28	1 46	11 42	2 39	20 53	0 1	19 3	0 59	25 7	1 39	19 13	19 30	16 45			n.a.
S 19	3 38	18 12	4 12	5 48	3 13	18 16	1 6	3 0	0 12	5 31	1 46	11 44	2 39	20 53	0 1	19 4	0 59	25 7	1 39	19 14	19 31	16 46			n.a.
S 20	3 15	20 20	3 21	5 49	3 11	18 8	1 0	3 18	0 11	5 34	1 46	11 46	2 39	20 53	0 1	19 4	0 59	25 8	1 39	19 14	19 32	16 48			n.a.
M21	2 52	21 11	2 18	5 46	3 7	17 59	0 54	3 35	0 10	5 37	1 46	11 47	2 39	20 53	0 1	19 4	0 59	25 8	1 39	19 13	19 33	16 50			n.a.
T 22	2 28	20 44	1 8	5 40	3 3	17 49	0 48	3 53	0 10	5 40	1 46	11 49	2 39	20 53	0 1	19 4	0 59	25 8	1 40	19 13	19 33	16 52			n.a.
W23	2 5	19 4	0n 5	5 31	2 57	17 40	0 42	4 10	0 9	5 43	1 46	11 50	2 39	20 53	0 1	19 5	0 59	25 8	1 40	19 13	19 34	16 53			n.a.
T 24	1 41	16 20	1 17	5 18	2 49	17 29	0 36	4 27	0 8	5 46	1 46	11 52	2 39	20 53	0 1	19 5	0 59	25 8	1 40	19 13	19 35	16 55			n.a.
F 25	1 18	12 46	2 23	5 2	2 41	17 18	0 30	4 45	0 8	5 49	1 46	11 53	2 39	20 53	0 1	19 5	0 59	25 8	1 40	19 14	19 36	16 57			n.a.
S 26	0 55	8 38	3 21	4 43	2 31	17 7	0 24	5 2	0 7	5 52	1 46	11 55	2 39	20 53	0 1	19 6	0 59	25 8	1 40	19 15	19 36	16 58			n.a.
S 27	0 31	4 10	4 8	4 21	2 20	16 55	0 19	5 19	0 7	5 55	1 46	11 56	2 39	20 53	0 1	19 6	0 59	25 9	1 40	19 17	19 37	17 0			n.a.
M28	0 8	0s24	4 41	3 57	2 7	16 43	0 13	5 36	0 6	5 57	1 46	11 58	2 38	20 52	0 1	19 6	0 59	25 9	1 40	19 20	19 38	17 2			n.a.
T 29	0n15	4 52	5 0	3 31	1 54	16 30	0 8	5 53	0 5	6 0	1 46	11 59	2 38	20 52	0 1	19 6	0 59	25 9	1 40	19 22	19 39	17 3			n.a.
W30	0 39	9 4	5 5	3 4	1 39	16 16	0 3	6 10	0 5	6 3	1 46	12 0	2 38	20 52	0 1	19 6	0 59	25 9	1 41	19 25	19 39	17 5			n.a.
T 31	1n 2	12s51	4n56	2n35	1n24	16s 3	0s 2	6n27	0s 4	6n 6	1n46	12n 2	2n38	20s52	0n 1	19n 7	0n59	25s 9	1s41	19n27	19n40	17s 6			n.a.

Julian Day Number = 1465807.5, Delta T = 05h35m21s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'20, Lahiri = -13°37'19 Julian Calendar 1 March 700 BCE == Greg. Calendar 22 Feb. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

APRIL 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 7 35	3♈32'14	0♐28	2°R36	17♒54	17♈ 1	18°R42	5°R33	2°R 7	9°R22	21°R 8	4°R14	3♌22	5♐ 4	n.a.	F 1
S 2	12 11 31	4°30'08	12°19	1♈58	18°56	17°43	18♏35	5♏29	2♐ 6	9♌21	21♐ 8	4♌ 9	3°18	5°10	n.a.	S 2
S 3	12 15 28	5°28'00	24°10	1°21	19°59	18°24	18°28	5°26	2° 5	9°20	21° 8	4° 6	3°15	5°17	n.a.	S 3
M 4	12 19 24	6°25'51	6♉ 5	0°45	21° 2	19° 6	18°21	5°22	2° 4	9°19	21° 8	4°D 6	3°12	5°24	n.a.	M 4
T 5	12 23 21	7°23'40	18°10	0°11	22° 6	19°48	18°14	5°18	2° 3	9°19	21° 8	4° 6	3° 9	5°30	n.a.	T 5
W 6	12 27 17	8°21'29	0♒28	29♓39	23° 9	20°29	18° 7	5°15	2° 2	9°18	21° 8	4°R 7	3° 6	5°37	n.a.	W 6
T 7	12 31 14	9°19'16	13° 6	29°11	24°13	21°11	18° 0	5°12	2° 1	9°17	21° 7	4° 6	3° 2	5°44	n.a.	T 7
F 8	12 35 10	10°17'01	26° 7	28°45	25°17	21°52	17°54	5° 8	2° 0	9°17	21° 7	4° 4	2°59	5°51	n.a.	F 8
S 9	12 39 7	11°14'46	9♓34	28°24	26°21	22°33	17°47	5° 5	1°59	9°16	21° 7	4° 0	2°56	5°57	n.a.	S 9
S 10	12 43 4	12°12'28	23°28	28° 6	27°25	23°15	17°41	5° 2	1°58	9°16	21° 7	3°53	2°53	6° 4	n.a.	S 10
M11	12 47 0	13°10'10	7♈44	27°53	28°30	23°56	17°34	4°59	1°56	9°15	21° 6	3°44	2°50	6°11	n.a.	M11
T 12	12 50 57	14° 7'50	22°20	27°44	29°35	24°37	17°28	4°56	1°55	9°14	21° 6	3°34	2°47	6°17	n.a.	T 12
W13	12 54 53	15° 5'29	7♉ 7	27°D39	0♓39	25°18	17°22	4°53	1°54	9°14	21° 6	3°23	2°43	6°24	n.a.	W13
T 14	12 58 50	16° 3'06	21°57	27°39	1°44	26° 0	17°16	4°50	1°52	9°14	21° 5	3°14	2°40	6°31	n.a.	T 14
F 15	13 2 46	17° 0'42	6♊41	27°44	2°50	26°41	17°10	4°47	1°51	9°13	21° 5	3° 7	2°37	6°37	n.a.	F 15
S 16	13 6 43	17°58'16	21°14	27°53	3°55	27°22	17° 4	4°44	1°49	9°13	21° 4	3° 2	2°34	6°44	n.a.	S 16
S 17	13 10 39	18°55'49	5♋31	28° 7	5° 1	28° 3	16°59	4°42	1°48	9°12	21° 4	3° 0	2°31	6°51	n.a.	S 17
M18	13 14 36	19°53'20	19°30	28°25	6° 6	28°44	16°53	4°39	1°46	9°12	21° 3	3°D 0	2°27	6°58	n.a.	M18
T 19	13 18 33	20°50'49	3♌12	28°47	7°12	29°25	16°48	4°37	1°44	9°12	21° 3	3°R 0	2°24	7° 4	n.a.	T 19
W20	13 22 29	21°48'17	16°37	29°14	8°18	0♉ 6	16°43	4°34	1°43	9°11	21° 2	2°59	2°21	7°11	n.a.	W20
T 21	13 26 26	22°45'43	29°47	29°45	9°25	0°47	16°38	4°32	1°41	9°11	21° 2	2°57	2°18	7°18	n.a.	T 21
F 22	13 30 22	23°43'08	12♍45	0♈20	10°31	1°27	16°33	4°30	1°39	9°11	21° 1	2°52	2°15	7°24	n.a.	F 22
S 23	13 34 19	24°40'32	25°31	0°59	11°37	2° 8	16°28	4°27	1°38	9°11	21° 0	2°44	2°12	7°31	n.a.	S 23
S 24	13 38 15	25°37'54	8♎ 6	1°42	12°44	2°49	16°24	4°25	1°36	9°11	21° 0	2°34	2° 8	7°38	n.a.	S 24
M25	13 42 12	26°35'15	20°32	2°28	13°51	3°30	16°19	4°23	1°34	9°11	20°59	2°22	2° 5	7°44	n.a.	M25
T 26	13 46 8	27°32'36	2♏48	3°18	14°57	4°10	16°15	4°22	1°32	9°11	20°58	2° 8	2° 2	7°51	n.a.	T 26
W27	13 50 5	28°29'55	14°55	4°12	16° 4	4°51	16°11	4°20	1°30	9°11	20°58	1°55	1°59	7°58	n.a.	W27
T 28	13 54 1	29°27'13	26°54	5° 9	17°12	5°31	16° 7	4°18	1°28	9°D11	20°57	1°43	1°56	8° 5	n.a.	T 28
F 29	13 57 58	0♉24'31	8♐47	6°10	18°19	6°12	16° 3	4°17	1°26	9°11	20°56	1°33	1°53	8°11	n.a.	F 29
S 30	14 1 55	1♉21'47	20♐37	7♈14	19♓26	6♉53	15♍59	4♍15	1♐24	9♌11	20♐55	1♌26	1♌49	8♐18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n26	16s 4	4n34	2n 5	1n 8	15s48	0s 8	6n43	0s 3	6n 9	1n46	12n 3	2n38	20s52	0n 1	19n 7	0n59	25s 9	1s41	19n28	19n41	17s 8		n.a.
S 2	1 49	18 37	4 0	1 35	0 52	15 33	0 13	7 0	0 3	6 11	1 46	12 4	2 38	20 52	0 1	19 7	0 59	25 9	1 41	19 30	19 42	17 10		n.a.
S 3	2 12	20 23	3 16	1 5	0 35	15 18	0 17	7 17	0 2	6 14	1 45	12 6	2 38	20 52	0 1	19 7	0 59	25 10	1 41	19 30	19 42	17 11		n.a.
M 4	2 35	21 14	2 24	0 35	0 18	15 2	0 22	7 33	0 2	6 17	1 45	12 7	2 38	20 51	0 1	19 7	0 59	25 10	1 41	19 30	19 43	17 13		n.a.
T 5	2 58	21 8	1 24	0 5	0 1	14 46	0 27	7 50	0 1	6 19	1 45	12 8	2 38	20 51	0 1	19 8	0 59	25 10	1 41	19 30	19 44	17 15		n.a.
W 6	3 22	20 1	0 19	0s23	0s16	14 29	0 31	8 6	0 0	6 22	1 45	12 9	2 38	20 51	0 1	19 8	0 59	25 10	1 42	19 30	19 45	17 16		n.a.
T 7	3 45	17 53	0s48	0 49	0 32	14 12	0 36	8 23	0n 0	6 25	1 45	12 10	2 37	20 51	0 1	19 8	0 59	25 10	1 42	19 30	19 45	17 18		n.a.
F 8	4 8	14 47	1 54	1 14	0 48	13 54	0 40	8 39	0 1	6 27	1 45	12 12	2 37	20 51	0 1	19 8	0 59	25 10	1 42	19 31	19 46	17 20		n.a.
S 9	4 31	10 49	2 57	1 37	1 4	13 36	0 44	8 55	0 2	6 30	1 45	12 13	2 37	20 50	0 1	19 8	0 59	25 10	1 42	19 32	19 47	17 21		n.a.
S 10	4 53	6 9	3 51	1 58	1 18	13 18	0 48	9 11	0 2	6 32	1 44	12 14	2 37	20 50	0 1	19 8	0 59	25 10	1 42	19 33	19 48	17 23		n.a.
M11	5 16	1 2	4 32	2 16	1 33	12 59	0 52	9 27	0 3	6 34	1 44	12 15	2 37	20 50	0 1	19 9	0 59	25 11	1 42	19 35	19 48	17 24		n.a.
T 12	5 39	4n14	4 56	2 32	1 46	12 39	0 56	9 43	0 3	6 37	1 44	12 16	2 37	20 50	0 1	19 9	0 59	25 11	1 42	19 38	19 49	17 26		n.a.
W13	6 2	9 20	5 1	2 45	1 59	12 20	1 0	9 59	0 4	6 39	1 44	12 17	2 37	20 49	0 1	19 9	0 59	25 11	1 43	19 40	19 50	17 28		n.a.
T 14	6 24	13 54	4 46	2 56	2 10	12 0	1 4	10 15	0 5	6 41	1 44	12 18	2 36	20 49	0 1	19 9	0 59	25 11	1 43	19 43	19 50	17 29		n.a.
F 15	6 46	17 35	4 12	3 4	2 21	11 39	1 7	10 31	0 5	6 43	1 43	12 19	2 36	20 49	0 1	19 9	0 59	25 11	1 43	19 44	19 51	17 31		n.a.
S 16	7 9	20 7	3 22	3 9	2 31	11 18	1 11	10 46	0 6	6 45	1 43	12 20	2 36	20 48	0 1	19 9	0 59	25 11	1 43	19 45	19 52	17 33		n.a.
S 17	7 31	21 20	2 20	3 12	2 40	10 57	1 14	11 2	0 6	6 47	1 43	12 20	2 36	20 48	0 1	19 9	0 59	25 11	1 43	19 46	19 53	17 34		n.a.
M18	7 53	21 10	1 11	3 12	2 47	10 36	1 17	11 17	0 7	6 49	1 43	12 21	2 36	20 48	0 1	19 9	0 59	25 11	1 43	19 46	19 53	17 36		n.a.
T 19	8 15	19 44	0n 1	3 9	2 54	10 14	1 20	11 32	0 8	6 51	1 43	12 22	2 36	20 47	0 1	19 9	0 59	25 11	1 43	19 46	19 54	17 37		n.a.
W20	8 37	17 13	1 11	3 4	3 0	9 51	1 23	11 47	0 8	6 53	1 42	12 23	2 36	20 47	0 1	19 9	0 59	25 11	1 44	19 46	19 55	17 39		n.a.
T 21	8 58	13 50	2 17	2 56	3 6	9 29	1 26	12 3	0 9	6 55	1 42	12 23	2 35	20 47	0 1	19 9	0 59	25 12	1 44	19 47	19 56	17 41		n.a.
F 22	9 20	9 50	3 14	2 46	3 10	9 6	1 29	12 18	0 9	6 57	1 42	12 24	2 35	20 46	0 1	19 9	0 59	25 12	1 44	19 48	19 56	17 42		n.a.
S 23	9 41	5 28	4 0	2 33	3 13	8 43	1 32	12 32	0 10	6 58	1 42	12 25	2 35	20 46	0 1	19 9	0 59	25 12	1 44	19 49	19 57	17 44		n.a.
S 24	10 3	0 55	4 34	2 18	3 16	8 19	1 34	12 47	0 10	7 0	1 42	12 25	2 35	20 46	0 1	19 9	0 59	25 12	1 44	19 52	19 58	17 45		n.a.
M25	10 24	3s36	4 54	2 1	3 17	7 56	1 37	13 2	0 11	7 1	1 41	12 26	2 35	20 45	0 1	19 9	0 59	25 12	1 44	19 55	19 58	17 47		n.a.
T 26	10 45	7 55	5 0	1 41	3 18	7 32	1 39	13 16	0 12	7 3	1 41	12 26	2 34	20 45	0 1	19 9	0 59	25 12	1 44	19 58	19 59	17 48		n.a.
W27	11 6	11 53	4 52	1 20	3 18	7 7	1 41	13 31	0 12	7 4	1 41	12 27	2 34	20 45	0 1	19 9	0 59	25 12	1 44	20 1	20 0	17 50		n.a.
T 28	11 26	15 20	4 32	0 56	3 17	6 43	1 43	13 45	0 13	7 6	1 41	12 27	2 34	20 44	0 1	19 9	0 59	25 12	1 45	20 4	20 1	17 52		n.a.
F 29	11 47	18 8	4 0	0 30	3 16	6 18	1 45	13 59	0 13	7 7	1 40	12 28	2 34	20 44	0 1	19 9	0 59	25 12	1 45	20 6	20 1	17 53		n.a.
S 30	12n 7	20s10	3n17	0s 3	3s13	5s53	1s47	14n13	0n14	7n 8	1n40	12n28	2n34	20s43	0n 1	19n 9	0n59	25s12	1s45	20n 7	20n 2	17s55		n.a.

Julian Day Number = 1465838.5, Delta T = 05h35m19s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'16, Lahiri = -13°37'15 Julian Calendar 1 Apr. 700 BCE == Greg. Calendar 25 March 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

MAY 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 5 51	2♉19'03	2♋27	8♈21	20♓34	7♉33	15°R56	4°R14	1°R22	9♌11	20°R55	1°R21	1♌46	8♐25	n.a.	S 1
M 2	14 9 48	3°16'19	14°21	9°31	21°41	8°13	15♍52	4♍12	1♐20	9°11	20♐54	1♌19	1°43	8°31	n.a.	M 2
T 3	14 13 44	4°13'34	26°24	10°45	22°49	8°54	15°49	4°11	1°18	9°11	20°53	1°18	1°40	8°38	n.a.	T 3
W 4	14 17 41	5°10'48	8♒40	12° 1	23°57	9°34	15°46	4°10	1°16	9°11	20°52	1°18	1°37	8°45	n.a.	W 4
T 5	14 21 37	6° 8'02	21°16	13°20	25° 5	10°15	15°44	4° 9	1°14	9°11	20°51	1°17	1°33	8°51	n.a.	T 5
F 6	14 25 34	7° 5'15	4♓16	14°43	26°13	10°55	15°41	4° 8	1°12	9°12	20°50	1°15	1°30	8°58	n.a.	F 6
S 7	14 29 30	8° 2'28	17°44	16° 8	27°21	11°35	15°38	4° 7	1°10	9°12	20°49	1°11	1°27	9° 5	n.a.	S 7
S 8	14 33 27	8°59'41	1♈41	17°36	28°29	12°15	15°36	4° 6	1° 8	9°12	20°48	1° 4	1°24	9°11	n.a.	S 8
M 9	14 37 24	9°56'53	16° 5	19° 7	29°38	12°55	15°34	4° 6	1° 6	9°13	20°47	0°55	1°21	9°18	n.a.	M 9
T 10	14 41 20	10°54'04	0♉53	20°41	0♈46	13°36	15°32	4° 5	1° 3	9°13	20°46	0°45	1°18	9°25	n.a.	T 10
W11	14 45 17	11°51'15	15°57	22°18	1°55	14°16	15°30	4° 5	1° 1	9°13	20°45	0°34	1°14	9°32	n.a.	W11
T 12	14 49 13	12°48'26	1♊ 6	23°58	3° 3	14°56	15°29	4° 4	0°59	9°14	20°44	0°24	1°11	9°38	n.a.	T 12
F 13	14 53 10	13°45'36	16°10	25°40	4°12	15°36	15°27	4° 4	0°57	9°14	20°43	0°17	1° 8	9°45	n.a.	F 13
S 14	14 57 6	14°42'45	1♋ 1	27°25	5°21	16°16	15°26	4° 4	0°54	9°15	20°42	0°12	1° 5	9°52	n.a.	S 14
S 15	15 1 3	15°39'54	15°32	29°13	6°30	16°56	15°25	4°D 4	0°52	9°15	20°41	0° 9	1° 2	9°58	n.a.	S 15
M16	15 5 0	16°37'02	29°40	1♌ 3	7°39	17°36	15°24	4° 4	0°50	9°16	20°40	0°D 8	0°59	10° 5	n.a.	M16
T 17	15 8 56	17°34'09	13♌24	2°56	8°48	18°16	15°24	4° 4	0°47	9°17	20°39	0°R 9	0°55	10°12	n.a.	T 17
W18	15 12 53	18°31'16	26°46	4°52	9°57	18°56	15°23	4° 5	0°45	9°17	20°37	0° 8	0°52	10°18	n.a.	W18
T 19	15 16 49	19°28'22	9♍49	6°49	11° 6	19°35	15°23	4° 5	0°43	9°18	20°36	0° 7	0°49	10°25	n.a.	T 19
F 20	15 20 46	20°25'28	22°35	8°50	12°15	20°15	15°D23	4° 5	0°40	9°19	20°35	0° 3	0°46	10°32	n.a.	F 20
S 21	15 24 42	21°22'33	5♎ 8	10°52	13°25	20°55	15°23	4° 6	0°38	9°19	20°34	29♋56	0°43	10°38	n.a.	S 21
S 22	15 28 39	22°19'37	17°29	12°56	14°34	21°35	15°23	4° 7	0°35	9°20	20°33	29°47	0°39	10°45	n.a.	S 22
M23	15 32 35	23°16'41	29°41	15° 2	15°44	22°14	15°24	4° 7	0°33	9°21	20°31	29°37	0°36	10°52	n.a.	M23
T 24	15 36 32	24°13'45	11♏46	17° 9	16°53	22°54	15°24	4° 8	0°31	9°22	20°30	29°25	0°33	10°59	n.a.	T 24
W25	15 40 29	25°10'49	23°45	19°17	18° 3	23°34	15°25	4° 9	0°28	9°23	20°29	29°13	0°30	11° 5	n.a.	W25
T 26	15 44 25	26° 7'53	5♐39	21°26	19°13	24°13	15°26	4°10	0°26	9°23	20°28	29° 3	0°27	11°12	n.a.	T 26
F 27	15 48 22	27° 4'57	17°29	23°36	20°22	24°53	15°27	4°11	0°23	9°24	20°26	28°54	0°24	11°19	n.a.	F 27
S 28	15 52 18	28° 2'01	29°18	25°47	21°32	25°32	15°28	4°12	0°21	9°25	20°25	28°47	0°20	11°25	n.a.	S 28
S 29	15 56 15	28°59'06	11♑ 9	27°57	22°42	26°12	15°30	4°14	0°19	9°26	20°24	28°44	0°17	11°32	n.a.	S 29
M30	16 0 11	29°56'10	23° 5	0♊ 7	23°52	26°51	15°32	4°15	0°16	9°27	20°22	28°D42	0°14	11°39	n.a.	M30
T 31	16 4 8	0♊53'15	5♒ 8	2♊17	25♈ 2	27♉31	15♍33	4♍17	0♐14	9♌28	20♐21	28♋42	0♌11	11♐45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	12n27	21s19	2n26	0n27	3s10	5s28	1s49	14n27	0n15	7n 9	1n40	12n28	2n33	20s43	0n 1	19n 9	0n59	25s12	1s45	20n 8		20n 3		17s56			n.a.
M 2	12 47	21 32	1 28	0 58	3 7	5 2	1 51	14 41	0 15	7 10	1 39	12 29	2 33	20 43	0 1	19 9	0 59	25 12	1 45	20 9		20 4		17 58			n.a.
T 3	13 6	20 45	0 26	1 31	3 2	4 36	1 52	14 55	0 16	7 11	1 39	12 29	2 33	20 42	0 1	19 9	0 59	25 13	1 45	20 9		20 4		17 59			n.a.
W 4	13 26	18 58	0s39	2 6	2 57	4 11	1 54	15 8	0 16	7 12	1 39	12 29	2 33	20 42	0 1	19 9	0 59	25 13	1 45	20 9		20 5		18 1			n.a.
T 5	13 45	16 15	1 44	2 42	2 52	3 45	1 55	15 22	0 17	7 13	1 39	12 29	2 33	20 41	0 1	19 9	0 59	25 13	1 46	20 9		20 6		18 3			n.a.
F 6	14 4	12 38	2 45	3 20	2 46	3 18	1 57	15 35	0 17	7 14	1 38	12 30	2 32	20 41	0 1	19 9	0 59	25 13	1 46	20 10		20 6		18 4			n.a.
S 7	14 23	8 16	3 39	4 0	2 39	2 52	1 58	15 48	0 18	7 15	1 38	12 30	2 32	20 41	0 1	19 9	0 59	25 13	1 46	20 11		20 7		18 6			n.a.
S 8	14 42	3 20	4 23	4 40	2 32	2 25	1 59	16 1	0 19	7 15	1 38	12 30	2 32	20 40	0 1	19 9	0 59	25 13	1 46	20 12		20 8		18 7			n.a.
M 9	15 0	1n57	4 51	5 23	2 24	1 59	2 0	16 14	0 19	7 16	1 38	12 30	2 32	20 40	0 1	19 9	0 59	25 13	1 46	20 14		20 9		18 9			n.a.
T 10	15 18	7 15	5 1	6 6	2 15	1 32	2 1	16 27	0 20	7 16	1 37	12 30	2 32	20 39	0 0	19 8	0 58	25 13	1 46	20 17		20 9		18 10			n.a.
W11	15 36	12 13	4 50	6 51	2 7	1 5	2 2	16 40	0 20	7 17	1 37	12 30	2 31	20 39	0 0	19 8	0 58	25 13	1 46	20 19		20 10		18 12			n.a.
T 12	15 54	16 26	4 19	7 37	1 57	0 38	2 2	16 52	0 21	7 17	1 37	12 30	2 31	20 38	0 0	19 8	0 58	25 13	1 46	20 21		20 11		18 13			n.a.
F 13	16 12	19 34	3 30	8 23	1 48	0 11	2 3	17 5	0 21	7 17	1 36	12 30	2 31	20 38	0 0	19 8	0 58	25 13	1 47	20 23		20 11		18 15			n.a.
S 14	16 29	21 19	2 28	9 11	1 38	0n16	2 3	17 17	0 22	7 18	1 36	12 29	2 31	20 37	0 0	19 8	0 58	25 13	1 47	20 24		20 12		18 16			n.a.
S 15	16 46	21 35	1 17	9 59	1 27	0 44	2 4	17 29	0 22	7 18	1 36	12 29	2 31	20 37	0 0	19 8	0 58	25 13	1 47	20 24		20 13		18 18			n.a.
M16	17 2	20 28	0 3	10 48	1 17	1 11	2 4	17 41	0 23	7 18	1 36	12 29	2 30	20 36	0 0	19 8	0 58	25 13	1 47	20 24		20 13		18 19			n.a.
T 17	17 19	18 9	1n10	11 38	1 6	1 38	2 4	17 53	0 23	7 18	1 35	12 29	2 30	20 36	0 0	19 7	0 58	25 13	1 47	20 24		20 14		18 21			n.a.
W18	17 35	14 54	2 16	12 28	0 55	2 6	2 4	18 5	0 24	7 18	1 35	12 28	2 30	20 35	0 0	19 7	0 58	25 13	1 47	20 24		20 15		18 22			n.a.
T 19	17 51	10 59	3 14	13 18	0 44	2 33	2 4	18 16	0 25	7 17	1 35	12 28	2 30	20 35	0 0	19 7	0 58	25 13	1 47	20 25		20 16		18 24			n.a.
F 20	18 6	6 40	4 1	14 8	0 32	3 0	2 4	18 28	0 25	7 17	1 34	12 28	2 29	20 34	0 0	19 7	0 58	25 13	1 47	20 26		20 16		18 25			n.a.
S 21	18 22	2 8	4 35	14 58	0 21	3 28	2 4	18 39	0 26	7 17	1 34	12 27	2 29	20 34	0 0	19 7	0 58	25 13	1 47	20 27		20 17		18 27			n.a.
S 22	18 37	2s25	4 56	15 47	0 10	3 55	2 4	18 50	0 26	7 17	1 34	12 27	2 29	20 33	0 0	19 6	0 58	25 13	1 48	20 29		20 18		18 28			n.a.
M23	18 51	6 48	5 2	16 35	0n 1	4 23	2 3	19 1	0 27	7 16	1 33	12 26	2 29	20 33	0 0	19 6	0 58	25 13	1 48	20 31		20 18		18 30			n.a.
T 24	19 6	10 54	4 56	17 23	0 12	4 50	2 3	19 12	0 27	7 16	1 33	12 26	2 29	20 32	0 0	19 6	0 58	25 14	1 48	20 34		20 19		18 31			n.a.
W25	19 20	14 31	4 36	18 9	0 22	5 18	2 2	19 22	0 28	7 15	1 33	12 25	2 28	20 32	0 0	19 6	0 58	25 14	1 48	20 36		20 20		18 33			n.a.
T 26	19 34	17 33	4 4	18 54	0 32	5 45	2 2	19 33	0 28	7 14	1 33	12 25	2 28	20 31	0 0	19 5	0 58	25 14	1 48	20 38		20 20		18 34			n.a.
F 27	19 47	19 50	3 21	19 37	0 42	6 12	2 1	19 43	0 29	7 14	1 32	12 24	2 28	20 31	0 0	19 5	0 58	25 14	1 48	20 40		20 21		18 36			n.a.
S 28	20 0	21 16	2 30	20 18	0 52	6 39	2 0	19 53	0 29	7 13	1 32	12 23	2 28	20 30	0 0	19 5	0 58	25 14	1 48	20 42		20 22		18 37			n.a.
S 29	20 13	21 46	1 33	20 58	1 0	7 6	1 59	20 3	0 30	7 12	1 32	12 23	2 28	20 30	0 0	19 5	0 58	25 14	1 48	20 42		20 23		18 39			n.a.
M30	20 25	21 17	0 30	21 35	1 9	7 33	1 59	20 13	0 30	7 11	1 31	12 22	2 27	20 29	0 0	19 4	0 58	25 14	1 49	20 43		20 23		18 40			n.a.
T 31	20n38	19s49	0s35	22n 9	1n16	8n 0	1s58	20n23	0n31	7n10	1n31	12n21	2n27	20s29	0n 0	19n 4	0n58	25s14	1s49	20n43		20n24		18s42			n.a.

Julian Day Number = 1465868.5, Delta T = 05h35m18s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'11, Lahiri = -13°37'11 Julian Calendar 1 May 700 BCE == Greg. Calendar 24 Apr. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

JUNE 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 8 4	1♊50'20	17♒25	4♊26	26♈13	28♉10	15♍35	4♍18	0°R11	9♌29	20°R20	28♋43	0♌ 8	11♐52	n.a.	W 1
T 2	16 12 1	2°47'26	29°59	6°34	27°23	28°49	15°38	4°20	0♐ 9	9°30	20♐18	28°R43	0° 5	11°59	n.a.	T 2
F 3	16 15 58	3°44'32	12♓57	8°41	28°33	29°29	15°40	4°22	0° 6	9°32	20°17	28°43	0° 1	12° 5	n.a.	F 3
S 4	16 19 54	4°41'38	26°20	10°47	29°44	0♊ 8	15°42	4°24	0° 4	9°33	20°16	28°41	29♋58	12°12	n.a.	S 4
S 5	16 23 51	5°38'45	10♈12	12°52	0♉54	0°47	15°45	4°26	0° 2	9°34	20°14	28°37	29°55	12°19	n.a.	S 5
M 6	16 27 47	6°35'53	24°33	14°55	2° 5	1°27	15°48	4°28	29♏59	9°35	20°13	28°31	29°52	12°26	n.a.	M 6
T 7	16 31 44	7°33'01	9♉19	16°56	3°15	2° 6	15°51	4°30	29°57	9°36	20°12	28°24	29°49	12°32	n.a.	T 7
W 8	16 35 40	8°30'10	24°24	18°56	4°26	2°45	15°54	4°32	29°54	9°38	20°10	28°16	29°45	12°39	n.a.	W 8
T 9	16 39 37	9°27'20	9♊39	20°54	5°37	3°24	15°58	4°35	29°52	9°39	20° 9	28°10	29°42	12°46	n.a.	T 9
F 10	16 43 34	10°24'30	24°53	22°50	6°47	4° 3	16° 1	4°37	29°50	9°40	20° 7	28° 4	29°39	12°52	n.a.	F 10
S 11	16 47 30	11°21'40	9♋56	24°44	7°58	4°43	16° 5	4°40	29°47	9°41	20° 6	28° 1	29°36	12°59	n.a.	S 11
S 12	16 51 27	12°18'51	24°39	26°37	9° 9	5°22	16° 9	4°42	29°45	9°43	20° 5	28°D 0	29°33	13° 6	n.a.	S 12
M13	16 55 23	13°16'02	8♌59	28°28	10°20	6° 1	16°13	4°45	29°42	9°44	20° 3	28° 0	29°30	13°12	n.a.	M13
T 14	16 59 20	14°13'13	22°52	0♋17	11°31	6°40	16°17	4°48	29°40	9°46	20° 2	28° 1	29°26	13°19	n.a.	T 14
W15	17 3 16	15°10'25	6♍19	2° 4	12°42	7°19	16°22	4°51	29°38	9°47	20° 0	28° 2	29°23	13°26	n.a.	W15
T 16	17 7 13	16° 7'36	19°23	3°50	13°53	7°58	16°26	4°54	29°36	9°49	19°59	28°R 3	29°20	13°32	n.a.	T 16
F 17	17 11 9	17° 4'49	2♎ 6	5°33	15° 5	8°37	16°31	4°57	29°33	9°50	19°57	28° 2	29°17	13°39	n.a.	F 17
S 18	17 15 6	18° 2'01	14°33	7°15	16°16	9°16	16°36	5° 0	29°31	9°52	19°56	27°59	29°14	13°46	n.a.	S 18
S 19	17 19 3	18°59'15	26°47	8°55	17°27	9°55	16°41	5° 3	29°29	9°53	19°55	27°54	29°10	13°52	n.a.	S 19
M20	17 22 59	19°56'28	8♏51	10°33	18°39	10°33	16°46	5° 6	29°26	9°55	19°53	27°48	29° 7	13°59	n.a.	M20
T 21	17 26 56	20°53'43	20°48	12° 9	19°50	11°12	16°51	5°10	29°24	9°56	19°52	27°42	29° 4	14° 6	n.a.	T 21
W22	17 30 52	21°50'58	2♐41	13°44	21° 2	11°51	16°57	5°13	29°22	9°58	19°50	27°35	29° 1	14°13	n.a.	W22
T 23	17 34 49	22°48'14	14°31	15°17	22°13	12°30	17° 2	5°17	29°20	9°59	19°49	27°29	28°58	14°19	n.a.	T 23
F 24	17 38 45	23°45'31	26°22	16°48	23°25	13° 9	17° 8	5°21	29°18	10° 1	19°47	27°25	28°55	14°26	n.a.	F 24
S 25	17 42 42	24°42'49	8♑14	18°17	24°36	13°47	17°14	5°24	29°16	10° 3	19°46	27°21	28°51	14°33	n.a.	S 25
S 26	17 46 38	25°40'08	20° 9	19°44	25°48	14°26	17°20	5°28	29°14	10° 4	19°44	27°20	28°48	14°39	n.a.	S 26
M27	17 50 35	26°37'28	2♒11	21° 9	27° 0	15° 5	17°26	5°32	29°11	10° 6	19°43	27°D20	28°45	14°46	n.a.	M27
T 28	17 54 32	27°34'49	14°22	22°33	28°12	15°44	17°32	5°36	29° 9	10° 8	19°42	27°21	28°42	14°53	n.a.	T 28
W29	17 58 28	28°32'11	26°45	23°54	29°24	16°22	17°39	5°40	29° 7	10°10	19°40	27°22	28°39	14°59	n.a.	W29
T 30	18 2 25	29♊29'35	9♓23	25♋14	0♊36	17♊ 1	17♍45	5♍44	29♏ 5	10♌11	19♐39	27♋24	28♋36	15♐ 6	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n49	17s24	1s39	22n41	1n23	8n27	1s56	20n33	0n31	7n 9	1n31	12n20	2n27	20s28	0n 0	19n 4	0n58	25s14	1s49	20n43	20n25	18s43		n.a.
T 2	21 1	14 7	2 40	23 11	1 29	8 54	1 55	20 42	0 32	7 8	1 30	12 20	2 27	20 28	0 0	19 3	0 58	25 14	1 49	20 42	20 25	18 45		n.a.
F 3	21 12	10 5	3 35	23 37	1 35	9 20	1 54	20 51	0 32	7 7	1 30	12 19	2 26	20 27	0 0	19 3	0 58	25 14	1 49	20 42	20 26	18 46		n.a.
S 4	21 23	5 26	4 20	24 2	1 40	9 47	1 53	21 0	0 33	7 5	1 30	12 18	2 26	20 27	0 0	19 3	0 58	25 14	1 49	20 43	20 27	18 48		n.a.
S 5	21 33	0 22	4 51	24 23	1 44	10 13	1 51	21 9	0 34	7 4	1 30	12 17	2 26	20 26	0 0	19 2	0 58	25 14	1 49	20 44	20 27	18 49		n.a.
M 6	21 43	4n54	5 6	24 41	1 47	10 39	1 50	21 18	0 34	7 3	1 29	12 16	2 26	20 26	0 0	19 2	0 58	25 14	1 49	20 45	20 28	18 51		n.a.
T 7	21 53	10 2	5 1	24 57	1 50	11 5	1 48	21 26	0 35	7 1	1 29	12 15	2 26	20 25	0 0	19 2	0 58	25 14	1 49	20 46	20 29	18 52		n.a.
W 8	22 2	14 41	4 36	25 11	1 52	11 30	1 47	21 35	0 35	7 0	1 29	12 14	2 25	20 25	0 0	19 1	0 58	25 14	1 49	20 48	20 29	18 53		n.a.
T 9	22 11	18 25	3 51	25 21	1 54	11 56	1 45	21 43	0 36	6 58	1 28	12 13	2 25	20 24	0 0	19 1	0 58	25 14	1 50	20 49	20 30	18 55		n.a.
F 10	22 19	20 52	2 49	25 29	1 55	12 21	1 43	21 51	0 36	6 56	1 28	12 12	2 25	20 24	0 0	19 1	0 58	25 14	1 50	20 50	20 31	18 56		n.a.
S 11	22 28	21 48	1 36	25 35	1 55	12 46	1 42	21 59	0 37	6 55	1 28	12 11	2 25	20 23	0 0	19 0	0 58	25 14	1 50	20 51	20 31	18 58		n.a.
S 12	22 35	21 12	0 18	25 38	1 54	13 10	1 40	22 6	0 37	6 53	1 28	12 9	2 25	20 23	0 0	19 0	0 58	25 14	1 50	20 51	20 32	18 59		n.a.
M13	22 43	19 13	0n59	25 39	1 53	13 35	1 38	22 14	0 38	6 51	1 27	12 8	2 24	20 22	0 0	18 59	0 58	25 14	1 50	20 51	20 33	19 1		n.a.
T 14	22 50	16 8	2 11	25 38	1 51	13 59	1 36	22 21	0 38	6 49	1 27	12 7	2 24	20 22	0 0	18 59	0 58	25 14	1 50	20 51	20 33	19 2		n.a.
W15	22 56	12 18	3 13	25 35	1 49	14 23	1 34	22 28	0 39	6 47	1 27	12 6	2 24	20 21	0 0	18 59	0 58	25 14	1 50	20 51	20 34	19 4		n.a.
T 16	23 3	7 58	4 3	25 30	1 46	14 46	1 32	22 35	0 39	6 45	1 26	12 4	2 24	20 21	0 0	18 58	0 58	25 14	1 50	20 51	20 35	19 5		n.a.
F 17	23 8	3 25	4 39	25 22	1 43	15 9	1 30	22 42	0 40	6 43	1 26	12 3	2 23	20 20	0 0	18 58	0 58	25 14	1 50	20 51	20 35	19 6		n.a.
S 18	23 14	1s11	5 2	25 14	1 39	15 32	1 28	22 49	0 40	6 41	1 26	12 2	2 23	20 20	0 0	18 57	0 58	25 14	1 50	20 52	20 36	19 8		n.a.
S 19	23 19	5 39	5 10	25 3	1 35	15 55	1 26	22 55	0 41	6 38	1 26	12 0	2 23	20 19	0 0	18 57	0 58	25 14	1 51	20 52	20 37	19 9		n.a.
M20	23 23	9 51	5 5	24 51	1 30	16 17	1 23	23 1	0 41	6 36	1 25	11 59	2 23	20 19	0 0	18 56	0 58	25 13	1 51	20 54	20 37	19 11		n.a.
T 21	23 28	13 37	4 46	24 37	1 25	16 39	1 21	23 7	0 41	6 34	1 25	11 57	2 23	20 18	0 0	18 56	0 58	25 13	1 51	20 55	20 38	19 12		n.a.
W22	23 31	16 50	4 14	24 22	1 19	17 0	1 19	23 13	0 42	6 31	1 25	11 56	2 22	20 18	0 0	18 56	0 58	25 13	1 51	20 56	20 39	19 13		n.a.
T 23	23 35	19 21	3 32	24 5	1 13	17 21	1 16	23 19	0 42	6 29	1 24	11 54	2 22	20 17	0 0	18 55	0 58	25 13	1 51	20 57	20 39	19 15		n.a.
F 24	23 38	21 3	2 41	23 48	1 6	17 42	1 14	23 24	0 43	6 26	1 24	11 53	2 22	20 17	0 0	18 55	0 58	25 13	1 51	20 58	20 40	19 16		n.a.
S 25	23 40	21 49	1 43	23 29	0 59	18 2	1 12	23 30	0 43	6 24	1 24	11 51	2 22	20 17	0 0	18 54	0 58	25 13	1 51	20 59	20 41	19 18		n.a.
S 26	23 42	21 36	0 39	23 9	0 52	18 22	1 9	23 35	0 44	6 21	1 24	11 50	2 22	20 16	0 0	18 54	0 58	25 13	1 51	20 59	20 41	19 19		n.a.
M27	23 44	20 23	0s27	22 49	0 44	18 41	1 7	23 40	0 44	6 19	1 23	11 48	2 22	20 16	0 0	18 53	0 58	25 13	1 51	20 59	20 42	19 20		n.a.
T 28	23 45	18 13	1 32	22 27	0 36	19 0	1 4	23 45	0 45	6 16	1 23	11 46	2 21	20 15	0 0	18 53	0 58	25 13	1 51	20 59	20 43	19 22		n.a.
W29	23 46	15 11	2 35	22 5	0 27	19 18	1 1	23 49	0 45	6 13	1 23	11 45	2 21	20 15	0 0	18 52	0 58	25 13	1 51	20 59	20 43	19 23		n.a.
T 30	23n47	11s24	3s31	21n42	0n19	19n36	0s59	23n54	0n46	6n10	1n23	11n43	2n21	20s14	0s 0	18n52	0n58	25s13	1s52	20n59	20n44	19s24		n.a.

Julian Day Number = 1465899.5, Delta T = 05h35m16s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'07, Lahiri = -13°37'07 Julian Calendar 1 June 700 BCE == Greg. Calendar 25 May 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

JULY 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 6 21	0♋27'00	22♓21	26♋31	1♊48	17♊40	17♍52	5♍48	29°R 3	10♎13	19°R37	27♋25	28♋32	15♐13	n.a.	F 1
S 2	18 10 18	1°24'26	5♈41	27°47	3° 0	18°18	17°59	5°53	29♏ 2	10°15	19♐36	27°R25	28°29	15°19	n.a.	S 2
S 3	18 14 14	2°21'54	19°25	29° 0	4°12	18°57	18° 6	5°57	29° 0	10°17	19°35	27°24	28°26	15°26	n.a.	S 3
M 4	18 18 11	3°19'23	3♉35	0♎11	5°24	19°35	18°13	6° 2	28°58	10°19	19°33	27°22	28°23	15°33	n.a.	M 4
T 5	18 22 7	4°16'54	18° 8	1°20	6°36	20°14	18°20	6° 6	28°56	10°21	19°32	27°20	28°20	15°39	n.a.	T 5
W 6	18 26 4	5°14'27	3♊ 1	2°26	7°49	20°52	18°28	6°11	28°54	10°22	19°30	27°17	28°16	15°46	n.a.	W 6
T 7	18 30 1	6°12'01	18° 6	3°30	9° 1	21°31	18°35	6°15	28°52	10°24	19°29	27°14	28°13	15°53	n.a.	T 7
F 8	18 33 57	7° 9'36	3♋14	4°32	10°14	22° 9	18°43	6°20	28°51	10°26	19°28	27°12	28°10	15°59	n.a.	F 8
S 9	18 37 54	8° 7'13	18°16	5°31	11°26	22°48	18°51	6°25	28°49	10°28	19°26	27°11	28° 7	16° 6	n.a.	S 9
S 10	18 41 50	9° 4'52	3♌ 4	6°27	12°39	23°26	18°59	6°30	28°47	10°30	19°25	27°D11	28° 4	16°13	n.a.	S 10
M11	18 45 47	10° 2'31	17°30	7°20	13°51	24° 5	19° 7	6°35	28°46	10°32	19°24	27°11	28° 1	16°20	n.a.	M11
T 12	18 49 43	11° 0'11	1♍32	8° 9	15° 4	24°43	19°15	6°40	28°44	10°34	19°22	27°13	27°57	16°26	n.a.	T 12
W13	18 53 40	11°57'53	15° 6	8°56	16°17	25°21	19°23	6°45	28°42	10°36	19°21	27°14	27°54	16°33	n.a.	W13
T 14	18 57 37	12°55'36	28°15	9°39	17°29	26° 0	19°32	6°50	28°41	10°38	19°20	27°15	27°51	16°40	n.a.	T 14
F 15	19 1 33	13°53'20	11♎ 2	10°18	18°42	26°38	19°40	6°55	28°39	10°40	19°19	27°R15	27°48	16°46	n.a.	F 15
S 16	19 5 30	14°51'06	23°28	10°54	19°55	27°16	19°49	7° 0	28°38	10°42	19°17	27°15	27°45	16°53	n.a.	S 16
S 17	19 9 26	15°48'52	5♏40	11°25	21° 8	27°55	19°58	7° 6	28°37	10°44	19°16	27°14	27°42	17° 0	n.a.	S 17
M18	19 13 23	16°46'40	17°41	11°53	22°21	28°33	20° 6	7°11	28°35	10°46	19°15	27°13	27°38	17° 6	n.a.	M18
T 19	19 17 19	17°44'30	29°35	12°15	23°34	29°11	20°15	7°16	28°34	10°48	19°14	27°12	27°35	17°13	n.a.	T 19
W20	19 21 16	18°42'21	11♐25	12°33	24°47	29°49	20°25	7°22	28°33	10°51	19°12	27°11	27°32	17°20	n.a.	W20
T 21	19 25 12	19°40'13	23°15	12°45	26° 0	0♋27	20°34	7°27	28°31	10°53	19°11	27°10	27°29	17°26	n.a.	T 21
F 22	19 29 9	20°38'07	5♑ 8	12°53	27°13	1° 6	20°43	7°33	28°30	10°55	19°10	27° 9	27°26	17°33	n.a.	F 22
S 23	19 33 6	21°36'03	17° 6	12°R54	28°27	1°44	20°52	7°39	28°29	10°57	19° 9	27° 8	27°22	17°40	n.a.	S 23
S 24	19 37 2	22°34'00	29°11	12°50	29°40	2°22	21° 2	7°44	28°28	10°59	19° 8	27°D 8	27°19	17°46	n.a.	S 24
M25	19 40 59	23°31'59	11♒25	12°40	0♋53	3° 0	21°11	7°50	28°27	11° 1	19° 6	27° 8	27°16	17°53	n.a.	M25
T 26	19 44 55	24°30'00	23°50	12°24	2° 6	3°38	21°21	7°56	28°26	11° 3	19° 5	27° 9	27°13	18° 0	n.a.	T 26
W27	19 48 52	25°28'03	6♓26	12° 2	3°20	4°16	21°31	8° 2	28°25	11° 5	19° 4	27° 9	27°10	18° 6	n.a.	W27
T 28	19 52 48	26°26'08	19°17	11°34	4°33	4°54	21°41	8° 8	28°24	11° 8	19° 3	27° 9	27° 7	18°13	n.a.	T 28
F 29	19 56 45	27°24'14	2♈23	10°59	5°47	5°32	21°51	8°14	28°23	11°10	19° 2	27°R 9	27° 3	18°20	n.a.	F 29
S 30	20 0 41	28°22'23	15°47	10°19	7° 0	6°10	22° 1	8°20	28°22	11°12	19° 1	27° 9	27° 0	18°26	n.a.	S 30
S 31	20 4 38	29♋20'34	29♈28	9♌34	8♋14	6♋48	22♍11	8♍26	28♏22	11♎14	19♐ 0	27°D 9	26♋57	18♐33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n47	7s 1	4s18	21n18	0n10	19n54	0s56	23n58	0n46	6n 7	1n22	11n41	2n21	20s14	0s 0	18n51	0n58	25s13	1s52	20n58	20n45	19s26		n.a.
S 2	23 46	2 11	4 52	20 54	0 0	20 11	0 54	24 2	0 47	6 4	1 22	11 39	2 21	20 13	0 0	18 51	0 58	25 13	1 52	20 58	20 45	19 27		n.a.
S 3	23 45	2n54	5 12	20 30	0s 9	20 27	0 51	24 6	0 47	6 1	1 22	11 38	2 20	20 13	0 0	18 50	0 58	25 13	1 52	20 58	20 46	19 29		n.a.
M 4	23 44	7 59	5 13	20 5	0 19	20 43	0 48	24 9	0 48	5 58	1 22	11 36	2 20	20 13	0 0	18 50	0 58	25 13	1 52	20 59	20 47	19 30		n.a.
T 5	23 42	12 46	4 54	19 40	0 29	20 58	0 46	24 13	0 48	5 55	1 21	11 34	2 20	20 12	0 0	18 49	0 58	25 13	1 52	20 59	20 47	19 31		n.a.
W 6	23 40	16 52	4 16	19 15	0 39	21 13	0 43	24 16	0 49	5 52	1 21	11 32	2 20	20 12	0 0	18 49	0 58	25 13	1 52	21 0	20 48	19 33		n.a.
T 7	23 38	19 56	3 19	18 50	0 50	21 27	0 40	24 19	0 49	5 49	1 21	11 30	2 20	20 11	0 0	18 48	0 58	25 13	1 52	21 1	20 49	19 34		n.a.
F 8	23 35	21 36	2 8	18 25	1 1	21 41	0 37	24 22	0 49	5 45	1 21	11 28	2 20	20 11	0 0	18 48	0 58	25 13	1 52	21 1	20 49	19 35		n.a.
S 9	23 32	21 42	0 49	18 0	1 12	21 54	0 35	24 25	0 50	5 42	1 20	11 26	2 19	20 11	0 0	18 47	0 58	25 13	1 52	21 1	20 50	19 37		n.a.
S 10	23 28	20 17	0n33	17 36	1 23	22 6	0 32	24 27	0 50	5 39	1 20	11 24	2 19	20 10	0 0	18 46	0 58	25 13	1 52	21 1	20 51	19 38		n.a.
M11	23 24	17 33	1 50	17 11	1 34	22 18	0 29	24 29	0 51	5 35	1 20	11 22	2 19	20 10	0 0	18 46	0 58	25 13	1 52	21 1	20 51	19 39		n.a.
T 12	23 19	13 52	2 59	16 48	1 45	22 29	0 26	24 32	0 51	5 32	1 20	11 20	2 19	20 10	0 0	18 45	0 58	25 13	1 52	21 1	20 52	19 41		n.a.
W13	23 14	9 33	3 55	16 25	1 56	22 40	0 24	24 33	0 52	5 28	1 19	11 18	2 19	20 9	0 0	18 45	0 58	25 13	1 52	21 1	20 52	19 42		n.a.
T 14	23 8	4 56	4 37	16 2	2 8	22 50	0 21	24 35	0 52	5 25	1 19	11 16	2 19	20 9	0 0	18 44	0 58	25 13	1 53	21 0	20 53	19 43		n.a.
F 15	23 3	0 14	5 4	15 41	2 19	22 59	0 18	24 37	0 53	5 21	1 19	11 14	2 19	20 9	0 0	18 44	0 58	25 13	1 53	21 0	20 54	19 45		n.a.
S 16	22 56	4s21	5 16	15 20	2 30	23 8	0 15	24 38	0 53	5 18	1 19	11 12	2 18	20 8	0 0	18 43	0 58	25 13	1 53	21 0	20 54	19 46		n.a.
S 17	22 50	8 41	5 13	15 1	2 42	23 16	0 13	24 39	0 54	5 14	1 19	11 10	2 18	20 8	0 0	18 43	0 58	25 13	1 53	21 0	20 55	19 47		n.a.
M18	22 42	12 36	4 57	14 42	2 53	23 23	0 10	24 40	0 54	5 10	1 18	11 8	2 18	20 8	0 0	18 42	0 58	25 13	1 53	21 1	20 56	19 49		n.a.
T 19	22 35	15 59	4 28	14 26	3 4	23 30	0 7	24 41	0 54	5 6	1 18	11 5	2 18	20 8	0 0	18 41	0 58	25 13	1 53	21 1	20 56	19 50		n.a.
W20	22 27	18 43	3 47	14 11	3 14	23 36	0 4	24 42	0 55	5 3	1 18	11 3	2 18	20 7	0 0	18 41	0 58	25 13	1 53	21 1	20 57	19 51		n.a.
T 21	22 19	20 39	2 57	13 57	3 24	23 41	0 2	24 42	0 55	4 59	1 18	11 1	2 18	20 7	0 0	18 40	0 58	25 12	1 53	21 1	20 58	19 52		n.a.
F 22	22 10	21 42	1 59	13 46	3 34	23 46	0n 1	24 42	0 56	4 55	1 17	10 59	2 18	20 7	0 0	18 40	0 58	25 12	1 53	21 2	20 58	19 54		n.a.
S 23	22 1	21 45	0 55	13 36	3 44	23 50	0 4	24 42	0 56	4 51	1 17	10 57	2 17	20 6	0 0	18 39	0 58	25 12	1 53	21 2	20 59	19 55		n.a.
S 24	21 52	20 48	0s11	13 29	3 52	23 53	0 6	24 42	0 57	4 47	1 17	10 54	2 17	20 6	0 0	18 38	0 58	25 12	1 53	21 2	20 59	19 56		n.a.
M25	21 42	18 51	1 18	13 25	4 0	23 56	0 9	24 42	0 57	4 43	1 17	10 52	2 17	20 6	0 0	18 38	0 58	25 12	1 53	21 2	21 0	19 58		n.a.
T 26	21 31	16 1	2 23	13 22	4 7	23 57	0 12	24 41	0 58	4 39	1 17	10 50	2 17	20 6	0 0	18 37	0 58	25 12	1 53	21 2	21 1	19 59		n.a.
W27	21 21	12 23	3 21	13 23	4 13	23 58	0 14	24 40	0 58	4 35	1 16	10 47	2 17	20 6	0 0	18 37	0 58	25 12	1 53	21 1	21 1	20 0		n.a.
T 28	21 10	8 8	4 11	13 26	4 17	23 59	0 17	24 39	0 58	4 31	1 16	10 45	2 17	20 5	0 0	18 36	0 58	25 12	1 53	21 1	21 2	20 1		n.a.
F 29	20 58	3 26	4 48	13 32	4 21	23 58	0 19	24 38	0 59	4 26	1 16	10 42	2 17	20 5	0 0	18 35	0 58	25 12	1 53	21 1	21 3	20 3		n.a.
S 30	20 47	1n31	5 11	13 41	4 23	23 57	0 22	24 37	0 59	4 22	1 16	10 40	2 17	20 5	0 0	18 35	0 58	25 12	1 54	21 1	21 3	20 4		n.a.
S 31	20n35	6n30	5s17	13n53	4s23	23n55	0n24	24n36	1n 0	4n18	1n16	10n38	2n16	20s 5	0s 0	18n34	0n58	25s12	1s54	21n 1	21n 4	20s 5		n.a.

Julian Day Number = 1465929.5, Delta T = 05h35m15s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°44'03, Lahiri = -13°37'03 Julian Calendar 1 July 700 BCE == Greg. Calendar 24 June 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

AUGUST 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 8 34	0♌18'47	13♉28	8°R44	9♋28	7♋26	22♍21	8♍32	28°R21	11♌16	18°R59	27♋ 9	26♋54	18♐40	n.a.	M 1
T 2	20 12 31	1°17'03	27°45	7♌50	10°42	8° 4	22°32	8°38	28♏20	11°19	18♐58	27° 9	26°51	18°46	n.a.	T 2
W 3	20 16 28	2°15'21	12♊18	6°53	11°55	8°42	22°42	8°44	28°19	11°21	18°57	27°10	26°48	18°53	n.a.	W 3
T 4	20 20 24	3°13'41	27° 2	5°54	13° 9	9°20	22°53	8°51	28°19	11°23	18°56	27°10	26°44	19° 0	n.a.	T 4
F 5	20 24 21	4°12'03	11♋50	4°54	14°23	9°58	23° 3	8°57	28°18	11°25	18°55	27°11	26°41	19° 6	n.a.	F 5
S 6	20 28 17	5°10'27	26°37	3°55	15°37	10°36	23°14	9° 3	28°18	11°27	18°54	27°R11	26°38	19°13	n.a.	S 6
S 7	20 32 14	6° 8'53	11♌15	2°58	16°51	11°14	23°25	9°10	28°17	11°30	18°54	27°11	26°35	19°20	n.a.	S 7
M 8	20 36 10	7° 7'21	25°37	2° 4	18° 5	11°52	23°36	9°16	28°17	11°32	18°53	27°10	26°32	19°27	n.a.	M 8
T 9	20 40 7	8° 5'51	9♍38	1°14	19°19	12°30	23°47	9°23	28°17	11°34	18°52	27° 9	26°28	19°33	n.a.	T 9
W10	20 44 3	9° 4'23	23°16	0°30	20°33	13° 8	23°58	9°29	28°16	11°36	18°51	27° 7	26°25	19°40	n.a.	W10
T 11	20 48 0	10° 2'56	6♎30	29♋54	21°47	13°45	24° 9	9°36	28°16	11°39	18°50	27° 6	26°22	19°47	n.a.	T 11
F 12	20 51 57	11° 1'32	19°20	29°25	23° 1	14°23	24°20	9°42	28°16	11°41	18°49	27° 4	26°19	19°53	n.a.	F 12
S 13	20 55 53	12° 0'09	1♏50	29° 4	24°16	15° 1	24°31	9°49	28°16	11°43	18°49	27° 3	26°16	20° 0	n.a.	S 13
S 14	20 59 50	12°58'48	14° 3	28°53	25°30	15°39	24°43	9°55	28°16	11°45	18°48	27°D 3	26°13	20° 7	n.a.	S 14
M15	21 3 46	13°57'29	26° 3	28°D51	26°44	16°17	24°54	10° 2	28°D16	11°47	18°47	27° 4	26° 9	20°13	n.a.	M15
T 16	21 7 43	14°56'11	7♐56	28°59	27°59	16°54	25° 5	10° 9	28°16	11°50	18°47	27° 5	26° 6	20°20	n.a.	T 16
W17	21 11 39	15°54'56	19°45	29°16	29°13	17°32	25°17	10°16	28°16	11°52	18°46	27° 6	26° 3	20°27	n.a.	W17
T 18	21 15 36	16°53'42	1♑37	29°43	0♌27	18°10	25°29	10°22	28°16	11°54	18°45	27° 8	26° 0	20°33	n.a.	T 18
F 19	21 19 32	17°52'31	13°33	0♌19	1°42	18°47	25°40	10°29	28°16	11°56	18°45	27° 9	25°57	20°40	n.a.	F 19
S 20	21 23 29	18°51'21	25°39	1° 4	2°56	19°25	25°52	10°36	28°16	11°59	18°44	27°R10	25°54	20°47	n.a.	S 20
S 21	21 27 26	19°50'14	7♒55	1°57	4°11	20° 3	26° 4	10°43	28°17	12° 1	18°44	27° 9	25°50	20°53	n.a.	S 21
M22	21 31 22	20°49'08	20°25	2°58	5°25	20°40	26°16	10°50	28°17	12° 3	18°43	27° 8	25°47	21° 0	n.a.	M22
T 23	21 35 19	21°48'05	3♓ 8	4° 6	6°40	21°18	26°28	10°57	28°17	12° 5	18°43	27° 5	25°44	21° 7	n.a.	T 23
W24	21 39 15	22°47'03	16° 6	5°20	7°55	21°56	26°40	11° 4	28°18	12° 7	18°42	27° 1	25°41	21°13	n.a.	W24
T 25	21 43 12	23°46'04	29°18	6°39	9° 9	22°33	26°52	11°11	28°18	12°10	18°42	26°57	25°38	21°20	n.a.	T 25
F 26	21 47 8	24°45'08	12♈43	8° 4	10°24	23°11	27° 4	11°18	28°19	12°12	18°41	26°53	25°34	21°27	n.a.	F 26
S 27	21 51 5	25°44'13	26°20	9°33	11°39	23°48	27°16	11°25	28°19	12°14	18°41	26°49	25°31	21°33	n.a.	S 27
S 28	21 55 1	26°43'21	10♉ 9	11° 5	12°54	24°26	27°28	11°32	28°20	12°16	18°41	26°47	25°28	21°40	n.a.	S 28
M29	21 58 58	27°42'32	24° 7	12°41	14° 8	25° 3	27°40	11°39	28°21	12°18	18°40	26°D46	25°25	21°47	n.a.	M29
T 30	22 2 54	28°41'45	8♊14	14°19	15°23	25°41	27°53	11°46	28°21	12°21	18°40	26°46	25°22	21°53	n.a.	T 30
W31	22 6 51	29♌41'01	22♊29	16♌ 0	16♌38	26♋18	28♍ 5	11♍53	28♏22	12♌23	18♐40	26♋47	25♋19	22♐ 0	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	20n22	11n16	5s 5	14n 8	4s21	23n53	0n27	24n34	1n 0	4n14	1n15	10n35	2n16	20s 5	0s 0	18n34	0n58	25s12	1s54	21n 1	21n 4	20s 7			n.a.
T 2	20 9	15 30	4 33	14 25	4 17	23 50	0 29	24 32	1 1	4 9	1 15	10 33	2 16	20 5	0 0	18 33	0 58	25 12	1 54	21 1	21 5	20 8			n.a.
W 3	19 56	18 53	3 44	14 45	4 12	23 46	0 32	24 30	1 1	4 5	1 15	10 30	2 16	20 4	0 0	18 32	0 58	25 12	1 54	21 1	21 6	20 9			n.a.
T 4	19 43	21 5	2 40	15 7	4 4	23 41	0 34	24 28	1 1	4 1	1 15	10 28	2 16	20 4	0 0	18 32	0 58	25 12	1 54	21 1	21 6	20 10			n.a.
F 5	19 29	21 51	1 24	15 31	3 55	23 36	0 36	24 25	1 2	3 56	1 15	10 25	2 16	20 4	0 0	18 31	0 58	25 12	1 54	21 1	21 7	20 11			n.a.
S 6	19 15	21 5	0 3	15 56	3 43	23 29	0 39	24 23	1 2	3 52	1 15	10 23	2 16	20 4	0 0	18 31	0 58	25 12	1 54	21 1	21 8	20 13			n.a.
S 7	19 0	18 53	1n17	16 22	3 30	23 23	0 41	24 20	1 3	3 47	1 14	10 20	2 16	20 4	0 0	18 30	0 58	25 12	1 54	21 1	21 8	20 14			n.a.
M 8	18 45	15 32	2 31	16 49	3 15	23 15	0 43	24 17	1 3	3 43	1 14	10 18	2 16	20 4	0 0	18 29	0 58	25 12	1 54	21 1	21 9	20 15			n.a.
T 9	18 30	11 22	3 34	17 15	2 59	23 7	0 45	24 14	1 3	3 38	1 14	10 15	2 16	20 4	0 0	18 29	0 58	25 12	1 54	21 2	21 9	20 16			n.a.
W10	18 14	6 43	4 23	17 42	2 42	22 58	0 47	24 11	1 4	3 33	1 14	10 13	2 16	20 4	0 0	18 28	0 58	25 12	1 54	21 2	21 10	20 18			n.a.
T 11	17 59	1 55	4 56	18 7	2 24	22 48	0 50	24 7	1 4	3 29	1 14	10 10	2 15	20 4	0 0	18 27	0 58	25 12	1 54	21 2	21 11	20 19			n.a.
F 12	17 43	2s51	5 14	18 32	2 5	22 38	0 52	24 4	1 5	3 24	1 14	10 7	2 15	20 4	0 0	18 27	0 58	25 12	1 54	21 2	21 11	20 20			n.a.
S 13	17 26	7 21	5 15	18 54	1 46	22 27	0 54	24 0	1 5	3 20	1 13	10 5	2 15	20 4	0 0	18 26	0 58	25 12	1 54	21 3	21 12	20 21			n.a.
S 14	17 9	11 28	5 3	19 15	1 27	22 15	0 55	23 56	1 6	3 15	1 13	10 2	2 15	20 4	0 0	18 26	0 58	25 12	1 54	21 3	21 12	20 23			n.a.
M15	16 52	15 3	4 37	19 34	1 8	22 3	0 57	23 52	1 6	3 10	1 13	10 0	2 15	20 4	0 0	18 25	0 58	25 12	1 54	21 3	21 13	20 24			n.a.
T 16	16 35	18 0	4 0	19 51	0 49	21 50	0 59	23 47	1 6	3 5	1 13	9 57	2 15	20 4	0 0	18 24	0 58	25 12	1 54	21 2	21 14	20 25			n.a.
W17	16 17	20 11	3 12	20 5	0 32	21 36	1 1	23 43	1 7	3 1	1 13	9 54	2 15	20 4	0 0	18 24	0 58	25 12	1 54	21 2	21 14	20 26			n.a.
T 18	16 0	21 30	2 16	20 16	0 14	21 21	1 3	23 38	1 7	2 56	1 13	9 52	2 15	20 4	0 0	18 23	0 58	25 12	1 54	21 2	21 15	20 27			n.a.
F 19	15 41	21 51	1 14	20 24	0n 2	21 6	1 4	23 33	1 8	2 51	1 12	9 49	2 15	20 4	0 0	18 22	0 58	25 12	1 54	21 1	21 15	20 28			n.a.
S 20	15 23	21 11	0 8	20 29	0 17	20 51	1 6	23 28	1 8	2 46	1 12	9 46	2 15	20 4	0 0	18 22	0 58	25 12	1 55	21 1	21 16	20 30			n.a.
S 21	15 4	19 30	0s59	20 31	0 31	20 35	1 8	23 23	1 8	2 41	1 12	9 44	2 15	20 4	0 0	18 21	0 58	25 12	1 55	21 1	21 17	20 31			n.a.
M22	14 45	16 51	2 5	20 29	0 44	20 18	1 9	23 18	1 9	2 36	1 12	9 41	2 15	20 4	0 1	18 21	0 58	25 12	1 55	21 2	21 17	20 32			n.a.
T 23	14 26	13 22	3 5	20 25	0 56	20 0	1 10	23 12	1 9	2 31	1 12	9 38	2 15	20 4	0 1	18 20	0 58	25 12	1 55	21 2	21 18	20 33			n.a.
W24	14 7	9 11	3 57	20 17	1 7	19 42	1 12	23 6	1 10	2 26	1 12	9 35	2 15	20 4	0 1	18 19	0 58	25 12	1 55	21 3	21 18	20 34			n.a.
T 25	13 47	4 31	4 38	20 6	1 16	19 24	1 13	23 1	1 10	2 21	1 12	9 33	2 15	20 4	0 1	18 19	0 58	25 12	1 55	21 4	21 19	20 36			n.a.
F 26	13 27	0n26	5 4	19 52	1 25	19 4	1 14	22 55	1 10	2 16	1 11	9 30	2 15	20 4	0 1	18 18	0 58	25 12	1 55	21 5	21 20	20 37			n.a.
S 27	13 7	5 27	5 13	19 35	1 32	18 45	1 16	22 48	1 11	2 11	1 11	9 27	2 15	20 5	0 1	18 18	0 58	25 12	1 55	21 5	21 20	20 38			n.a.
S 28	12 47	10 15	5 5	19 16	1 38	18 24	1 17	22 42	1 11	2 6	1 11	9 25	2 15	20 5	0 1	18 17	0 58	25 12	1 55	21 6	21 21	20 39			n.a.
M29	12 26	14 34	4 38	18 53	1 43	18 4	1 18	22 36	1 11	2 1	1 11	9 22	2 15	20 5	0 1	18 16	0 58	25 12	1 55	21 6	21 21	20 40			n.a.
T 30	12 6	18 8	3 55	18 28	1 47	17 42	1 19	22 29	1 12	1 56	1 11	9 19	2 15	20 5	0 1	18 16	0 58	25 12	1 55	21 6	21 22	20 41			n.a.
W31	11n45	20n37	2s57	18n 1	1n50	17n20	1n20	22n22	1n12	1n51	1n11	9n16	2n15	20s 5	0s 1	18n15	0n58	25s12	1s55	21n 6	21n23	20s42			n.a.

Julian Day Number = 1465960.5, Delta T = 05h35m13s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'59, Lahiri = -13°36'58 Julian Calendar 1 Aug. 700 BCE == Greg. Calendar 25 July 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

SEPTEMBER 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 10 48	0♍40'19	6♋49	17♌42	17♌53	26♋56	28♍17	12♍ 0	28♏23	12♌25	18°R40	26♋49	25♋15	22♐ 7	n.a.	T 1
F 2	22 14 44	1°39'40	21°11	19°26	19° 8	27°33	28°30	12° 7	28°24	12°27	18♐39	26°R50	25°12	22°13	n.a.	F 2
S 3	22 18 41	2°39'02	5♌32	21°10	20°23	28°11	28°42	12°14	28°25	12°29	18°39	26°50	25° 9	22°20	n.a.	S 3
S 4	22 22 37	3°38'28	19°47	22°55	21°38	28°48	28°55	12°21	28°26	12°31	18°39	26°48	25° 6	22°27	n.a.	S 4
M 5	22 26 34	4°37'55	3♍53	24°41	22°53	29°26	29° 7	12°28	28°27	12°33	18°39	26°44	25° 3	22°33	n.a.	M 5
T 6	22 30 30	5°37'25	17°43	26°26	24° 8	0♌ 3	29°20	12°36	28°28	12°35	18°39	26°38	24°59	22°40	n.a.	T 6
W 7	22 34 27	6°36'56	1♎15	28°12	25°23	0°40	29°33	12°43	28°29	12°38	18°39	26°32	24°56	22°47	n.a.	W 7
T 8	22 38 23	7°36'30	14°26	29°58	26°38	1°18	29°46	12°50	28°30	12°40	18°39	26°25	24°53	22°53	n.a.	T 8
F 9	22 42 20	8°36'06	27°16	1♍43	27°54	1°55	29°58	12°57	28°31	12°42	18°D39	26°18	24°50	23° 0	n.a.	F 9
S 10	22 46 16	9°35'43	9♏46	3°28	29° 9	2°33	0♎11	13° 4	28°33	12°44	18°39	26°12	24°47	23° 7	n.a.	S 10
S 11	22 50 13	10°35'23	22° 0	5°13	0♍24	3°10	0°24	13°11	28°34	12°46	18°39	26° 9	24°44	23°13	n.a.	S 11
M12	22 54 10	11°35'04	4♐ 1	6°57	1°39	3°47	0°37	13°19	28°35	12°48	18°39	26° 7	24°40	23°20	n.a.	M12
T 13	22 58 6	12°34'47	15°53	8°41	2°54	4°24	0°50	13°26	28°37	12°50	18°39	26°D 6	24°37	23°27	n.a.	T 13
W14	23 2 3	13°34'33	27°42	10°24	4°10	5° 2	1° 3	13°33	28°38	12°52	18°39	26° 7	24°34	23°33	n.a.	W14
T 15	23 5 59	14°34'20	9♑34	12° 7	5°25	5°39	1°16	13°40	28°40	12°54	18°39	26° 9	24°31	23°40	n.a.	T 15
F 16	23 9 56	15°34'09	21°33	13°49	6°40	6°16	1°29	13°47	28°41	12°56	18°40	26°R10	24°28	23°47	n.a.	F 16
S 17	23 13 52	16°33'59	3♒43	15°31	7°55	6°53	1°42	13°55	28°43	12°58	18°40	26° 9	24°25	23°53	n.a.	S 17
S 18	23 17 49	17°33'52	16° 9	17°12	9°11	7°30	1°55	14° 2	28°45	13° 0	18°40	26° 7	24°21	24° 0	n.a.	S 18
M19	23 21 45	18°33'46	28°53	18°52	10°26	8° 8	2° 8	14° 9	28°46	13° 1	18°41	26° 3	24°18	24° 7	n.a.	M19
T 20	23 25 42	19°33'43	11♓55	20°32	11°41	8°45	2°21	14°16	28°48	13° 3	18°41	25°56	24°15	24°13	n.a.	T 20
W21	23 29 39	20°33'41	25°17	22°11	12°57	9°22	2°34	14°23	28°50	13° 5	18°41	25°48	24°12	24°20	n.a.	W21
T 22	23 33 35	21°33'42	8♈55	23°50	14°12	9°59	2°47	14°30	28°52	13° 7	18°42	25°38	24° 9	24°27	n.a.	T 22
F 23	23 37 32	22°33'44	22°47	25°28	15°28	10°36	3° 0	14°38	28°54	13° 9	18°42	25°28	24° 5	24°33	n.a.	F 23
S 24	23 41 28	23°33'49	6♉49	27° 5	16°43	11°13	3°13	14°45	28°56	13°11	18°42	25°20	24° 2	24°40	n.a.	S 24
S 25	23 45 25	24°33'56	20°56	28°42	17°58	11°50	3°27	14°52	28°58	13°12	18°43	25°13	23°59	24°47	n.a.	S 25
M26	23 49 21	25°34'05	5♊ 5	0♎19	19°14	12°27	3°40	14°59	29° 0	13°14	18°43	25° 9	23°56	24°53	n.a.	M26
T 27	23 53 18	26°34'17	19°13	1°55	20°29	13° 4	3°53	15° 6	29° 2	13°16	18°44	25° 7	23°53	25° 0	n.a.	T 27
W28	23 57 14	27°34'30	3♋20	3°31	21°45	13°41	4° 6	15°13	29° 4	13°18	18°44	25°D 7	23°50	25° 7	n.a.	W28
T 29	0 1 11	28°34'46	17°24	5° 6	23° 0	14°18	4°19	15°20	29° 6	13°19	18°45	25° 8	23°46	25°13	n.a.	T 29
F 30	0 5 8	29♍35'05	1♌23	6♎40	24♍16	14♌55	4♎33	15♍27	29♏ 8	13♌21	18♐46	25°R 8	23♋43	25♐20	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n23	21n49	1s47	17n31	1n52	16n58	1n21	22n15	1n13	1n46	1n11	9n14	2n15	20s 5	0s 1	18n15	0n58	25s12	1s55	21n 5	21n23	20s44		n.a.
F 2	11 2	21 35	0 31	17 0	1 54	16 35	1 22	22 8	1 13	1 41	1 11	9 11	2 15	20 6	0 1	18 14	0 58	25 12	1 55	21 5	21 24	20 45		n.a.
S 3	10 40	19 55	0n47	16 27	1 54	16 12	1 22	22 1	1 13	1 36	1 11	9 8	2 14	20 6	0 1	18 13	0 58	25 12	1 55	21 5	21 24	20 46		n.a.
S 4	10 19	17 1	2 2	15 52	1 54	15 48	1 23	21 54	1 14	1 31	1 10	9 5	2 14	20 6	0 1	18 13	0 58	25 12	1 55	21 6	21 25	20 47		n.a.
M 5	9 57	13 8	3 8	15 16	1 54	15 24	1 24	21 46	1 14	1 26	1 10	9 2	2 14	20 6	0 1	18 12	0 58	25 12	1 55	21 6	21 26	20 48		n.a.
T 6	9 35	8 37	4 2	14 38	1 52	14 59	1 24	21 38	1 15	1 20	1 10	9 0	2 14	20 7	0 1	18 12	0 58	25 12	1 55	21 7	21 26	20 49		n.a.
W 7	9 13	3 46	4 40	13 59	1 50	14 34	1 25	21 31	1 15	1 15	1 10	8 57	2 14	20 7	0 1	18 11	0 58	25 12	1 55	21 9	21 27	20 50		n.a.
T 8	8 50	1s 7	5 3	13 19	1 48	14 9	1 25	21 23	1 15	1 10	1 10	8 54	2 14	20 7	0 1	18 11	0 58	25 12	1 55	21 10	21 27	20 51		n.a.
F 9	8 28	5 50	5 9	12 38	1 45	13 43	1 26	21 15	1 16	1 5	1 10	8 51	2 14	20 7	0 1	18 10	0 58	25 12	1 55	21 11	21 28	20 53		n.a.
S 10	8 5	10 12	5 1	11 57	1 41	13 16	1 26	21 6	1 16	0 59	1 10	8 48	2 15	20 8	0 1	18 9	0 58	25 12	1 55	21 12	21 28	20 54		n.a.
S 11	7 42	14 2	4 39	11 14	1 38	12 50	1 26	20 58	1 17	0 54	1 10	8 46	2 15	20 8	0 1	18 9	0 58	25 12	1 55	21 13	21 29	20 55		n.a.
M12	7 19	17 15	4 5	10 32	1 34	12 23	1 26	20 49	1 17	0 49	1 10	8 43	2 15	20 8	0 1	18 8	0 58	25 12	1 55	21 14	21 30	20 56		n.a.
T 13	6 56	19 42	3 20	9 48	1 29	11 55	1 26	20 41	1 17	0 44	1 10	8 40	2 15	20 9	0 1	18 8	0 58	25 12	1 55	21 14	21 30	20 57		n.a.
W14	6 33	21 18	2 28	9 4	1 24	11 28	1 26	20 32	1 18	0 38	1 9	8 37	2 15	20 9	0 1	18 7	0 58	25 12	1 55	21 13	21 31	20 58		n.a.
T 15	6 9	21 57	1 28	8 20	1 19	11 0	1 26	20 23	1 18	0 33	1 9	8 35	2 15	20 9	0 1	18 7	0 58	25 12	1 55	21 13	21 31	20 59		n.a.
F 16	5 46	21 37	0 25	7 35	1 14	10 31	1 26	20 14	1 18	0 28	1 9	8 32	2 15	20 10	0 1	18 6	0 58	25 12	1 55	21 13	21 32	21 0		n.a.
S 17	5 22	20 15	0s41	6 51	1 9	10 3	1 26	20 5	1 19	0 22	1 9	8 29	2 15	20 10	0 1	18 6	0 58	25 12	1 55	21 13	21 32	21 1		n.a.
S 18	4 59	17 54	1 46	6 6	1 3	9 34	1 26	19 56	1 19	0 17	1 9	8 26	2 15	20 10	0 1	18 5	0 58	25 12	1 56	21 13	21 33	21 2		n.a.
M19	4 35	14 37	2 47	5 20	0 57	9 5	1 26	19 46	1 20	0 12	1 9	8 23	2 15	20 11	0 1	18 5	0 58	25 12	1 56	21 14	21 34	21 3		n.a.
T 20	4 11	10 34	3 40	4 35	0 51	8 35	1 25	19 37	1 20	0 6	1 9	8 21	2 15	20 11	0 1	18 4	0 58	25 12	1 56	21 16	21 34	21 4		n.a.
W21	3 47	5 55	4 23	3 50	0 45	8 6	1 25	19 27	1 20	0 1	1 9	8 18	2 15	20 12	0 1	18 3	0 58	25 13	1 56	21 17	21 35	21 5		n.a.
T 22	3 24	0 53	4 52	3 5	0 39	7 36	1 24	19 17	1 21	0s 4	1 9	8 15	2 15	20 12	0 1	18 3	0 58	25 13	1 56	21 19	21 35	21 6		n.a.
F 23	3 0	4n17	5 4	2 20	0 33	7 6	1 24	19 7	1 21	0 10	1 9	8 12	2 15	20 13	0 1	18 2	0 59	25 13	1 56	21 21	21 36	21 8		n.a.
S 24	2 35	9 17	4 59	1 34	0 26	6 35	1 23	18 57	1 21	0 15	1 9	8 10	2 15	20 13	0 1	18 2	0 59	25 13	1 56	21 22	21 36	21 9		n.a.
S 25	2 11	13 49	4 35	0 49	0 20	6 5	1 22	18 47	1 22	0 20	1 9	8 7	2 15	20 13	0 1	18 1	0 59	25 13	1 56	21 24	21 37	21 10		n.a.
M26	1 47	17 36	3 54	0 4	0 13	5 34	1 22	18 37	1 22	0 26	1 9	8 4	2 15	20 14	0 1	18 1	0 59	25 13	1 56	21 24	21 38	21 11		n.a.
T 27	1 23	20 21	2 59	0s40	0 7	5 3	1 21	18 27	1 22	0 31	1 9	8 1	2 15	20 14	0 1	18 1	0 59	25 13	1 56	21 25	21 38	21 12		n.a.
W28	0 59	21 51	1 54	1 25	0 0	4 32	1 20	18 16	1 23	0 37	1 8	7 59	2 15	20 15	0 1	18 0	0 59	25 13	1 56	21 25	21 39	21 13		n.a.
T 29	0 34	21 57	0 41	2 9	0s 6	4 1	1 19	18 6	1 23	0 42	1 8	7 56	2 15	20 15	0 1	18 0	0 59	25 13	1 56	21 25	21 39	21 14		n.a.
F 30	0n10	20n40	0n33	2s53	0s13	3n30	1n18	17n55	1n24	0s47	1n 8	7n53	2n15	20s16	0s 1	17n59	0n59	25s13	1s56	21n25	21n40	21s15		n.a.

Julian Day Number = 1465991.5, Delta T = 05h35m11s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'55, Lahiri = -13°36'54 Julian Calendar 1 Sept. 700 BCE == Greg. Calendar 25 Aug. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

OCTOBER 700 BCE (-699) JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s14	18n 9	1n45	3s37	0s20	2n59	1n17	17n44	1n24	0s53	1n 8	7n51	2n15	20s16	0s 1	17n59	0n59	25s13	1s56	21n25	21n40	21s16		n.a.
S 2	0 39	14 36	2 50	4 20	0 26	2 27	1 16	17 34	1 24	0 58	1 8	7 48	2 16	20 17	0 1	17 58	0 59	25 13	1 56	21 26	21 41	21 17		n.a.
M 3	1 3	10 18	3 45	5 4	0 33	1 56	1 15	17 23	1 25	1 3	1 8	7 45	2 16	20 17	0 1	17 58	0 59	25 13	1 56	21 27	21 41	21 18		n.a.
T 4	1 27	5 34	4 26	5 46	0 39	1 24	1 14	17 12	1 25	1 9	1 8	7 42	2 16	20 18	0 1	17 57	0 59	25 14	1 56	21 29	21 42	21 19		n.a.
W 5	1 52	0 38	4 51	6 29	0 46	0 53	1 12	17 0	1 25	1 14	1 8	7 40	2 16	20 18	0 1	17 57	0 59	25 14	1 56	21 31	21 43	21 20		n.a.
T 6	2 16	4s13	5 1	7 11	0 52	0 21	1 11	16 49	1 26	1 20	1 8	7 37	2 16	20 19	0 1	17 57	0 59	25 14	1 56	21 33	21 43	21 21		n.a.
F 7	2 40	8 48	4 56	7 53	0 58	0s11	1 10	16 38	1 26	1 25	1 8	7 35	2 16	20 20	0 1	17 56	0 59	25 14	1 56	21 35	21 44	21 22		n.a.
S 8	3 4	12 55	4 37	8 34	1 5	0 42	1 8	16 26	1 26	1 30	1 8	7 32	2 16	20 20	0 1	17 56	0 59	25 14	1 56	21 37	21 44	21 23		n.a.
S 9	3 29	16 25	4 5	9 15	1 11	1 14	1 7	16 15	1 27	1 36	1 8	7 29	2 16	20 21	0 1	17 55	0 59	25 14	1 56	21 39	21 45	21 24		n.a.
M10	3 53	19 11	3 22	9 55	1 17	1 46	1 5	16 3	1 27	1 41	1 8	7 27	2 16	20 21	0 1	17 55	0 59	25 14	1 56	21 40	21 45	21 25		n.a.
T 11	4 17	21 6	2 32	10 34	1 23	2 17	1 4	15 52	1 27	1 46	1 8	7 24	2 16	20 22	0 1	17 55	0 59	25 14	1 56	21 41	21 46	21 26		n.a.
W12	4 41	22 5	1 35	11 14	1 28	2 49	1 2	15 40	1 28	1 52	1 8	7 22	2 17	20 22	0 1	17 54	0 59	25 14	1 56	21 41	21 46	21 27		n.a.
T 13	5 5	22 5	0 33	11 52	1 34	3 21	1 0	15 28	1 28	1 57	1 8	7 19	2 17	20 23	0 1	17 54	0 59	25 15	1 56	21 41	21 47	21 27		n.a.
F 14	5 29	21 5	0s30	12 30	1 39	3 52	0 59	15 16	1 29	2 2	1 8	7 16	2 17	20 24	0 1	17 54	0 59	25 15	1 56	21 41	21 47	21 28		n.a.
S 15	5 53	19 5	1 33	13 7	1 45	4 24	0 57	15 4	1 29	2 8	1 8	7 14	2 17	20 24	0 1	17 53	0 59	25 15	1 56	21 41	21 48	21 29		n.a.
S 16	6 17	16 8	2 33	13 43	1 50	4 55	0 55	14 52	1 29	2 13	1 8	7 11	2 17	20 25	0 1	17 53	0 59	25 15	1 56	21 42	21 48	21 30		n.a.
M17	6 40	12 21	3 27	14 19	1 54	5 26	0 53	14 40	1 30	2 18	1 8	7 9	2 17	20 25	0 1	17 53	0 59	25 15	1 56	21 43	21 49	21 31		n.a.
T 18	7 4	7 51	4 12	14 54	1 59	5 57	0 51	14 28	1 30	2 24	1 8	7 6	2 17	20 26	0 1	17 52	0 59	25 15	1 57	21 44	21 50	21 32		n.a.
W19	7 27	2 50	4 43	15 28	2 3	6 28	0 49	14 15	1 30	2 29	1 8	7 4	2 17	20 27	0 1	17 52	0 59	25 15	1 57	21 46	21 50	21 33		n.a.
T 20	7 51	2n27	4 59	16 1	2 7	6 59	0 47	14 3	1 31	2 34	1 8	7 2	2 18	20 27	0 1	17 52	1 0	25 15	1 57	21 48	21 51	21 34		n.a.
F 21	8 14	7 43	4 56	16 33	2 11	7 30	0 46	13 51	1 31	2 39	1 8	6 59	2 18	20 28	0 1	17 51	1 0	25 16	1 57	21 50	21 51	21 35		n.a.
S 22	8 37	12 38	4 35	17 4	2 14	8 0	0 43	13 38	1 31	2 45	1 8	6 57	2 18	20 29	0 1	17 51	1 0	25 16	1 57	21 52	21 52	21 36		n.a.
S 23	9 0	16 50	3 55	17 34	2 18	8 31	0 41	13 26	1 32	2 50	1 8	6 54	2 18	20 29	0 1	17 51	1 0	25 16	1 57	21 54	21 52	21 37		n.a.
M24	9 23	20 0	3 0	18 3	2 20	9 1	0 39	13 13	1 32	2 55	1 8	6 52	2 18	20 30	0 1	17 51	1 0	25 16	1 57	21 55	21 53	21 38		n.a.
T 25	9 46	21 52	1 54	18 31	2 22	9 31	0 37	13 0	1 32	3 0	1 8	6 50	2 18	20 31	0 1	17 50	1 0	25 16	1 57	21 55	21 53	21 39		n.a.
W26	10 8	22 19	0 42	18 57	2 24	10 0	0 35	12 48	1 33	3 6	1 8	6 47	2 18	20 31	0 1	17 50	1 0	25 16	1 57	21 55	21 54	21 40		n.a.
T 27	10 30	21 19	0n32	19 22	2 25	10 30	0 33	12 35	1 33	3 11	1 8	6 45	2 19	20 32	0 1	17 50	1 0	25 16	1 57	21 55	21 54	21 40		n.a.
F 28	10 53	19 4	1 43	19 46	2 26	10 59	0 31	12 22	1 33	3 16	1 8	6 43	2 19	20 33	0 1	17 50	1 0	25 17	1 57	21 55	21 55	21 41		n.a.
S 29	11 15	15 45	2 47	20 7	2 26	11 28	0 28	12 9	1 34	3 21	1 8	6 40	2 19	20 33	0 1	17 49	1 0	25 17	1 57	21 56	21 55	21 42		n.a.
S 30	11 37	11 39	3 41	20 27	2 26	11 57	0 26	11 56	1 34	3 26	1 8	6 38	2 19	20 34	0 1	17 49	1 0	25 17	1 57	21 57	21 56	21 43		n.a.
M31	11s58	7n 3	4n22	20s46	2s25	12s25	0n24	11n43	1n34	3s31	1n 8	6n36	2n19	20s35	0s 1	17n49	1n 0	25s17	1s57	21n58	21n56	21s44		n.a.

Julian Day Number = 1466021.5, Delta T = 05h35m10s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'51, Lahiri = -13°36'50 Julian Calendar 1 Oct. 700 BCE == Greg. Calendar 24 Sept. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

NOVEMBER 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 11 17	1♏58'45	5♎30	22♏49	4♏34	4♍24	11♎35	18♍57	0♐38	14♑ 1	19♐20	21°R45	22♋ 2	28♐53	n.a.	T 1
W 2	2 15 14	2°59'52	18°24	23°55	5°49	5° 0	11°48	19° 3	0°41	14° 2	19°21	21♋32	21°58	29° 0	n.a.	W 2
T 3	2 19 10	4° 1'00	1♏ 5	24°57	7° 5	5°36	12° 1	19° 9	0°45	14° 2	19°23	21°18	21°55	29° 6	n.a.	T 3
F 4	2 23 7	5° 2'09	13°34	25°55	8°21	6°11	12°14	19°15	0°48	14° 3	19°24	21° 5	21°52	29°13	n.a.	F 4
S 5	2 27 3	6° 3'18	25°51	26°47	9°36	6°47	12°27	19°20	0°51	14° 4	19°26	20°52	21°49	29°20	n.a.	S 5
S 6	2 31 0	7° 4'29	7♐56	27°35	10°52	7°23	12°39	19°26	0°55	14° 4	19°27	20°42	21°46	29°26	n.a.	S 6
M 7	2 34 57	8° 5'40	19°52	28°15	12° 7	7°59	12°52	19°32	0°58	14° 5	19°29	20°35	21°42	29°33	n.a.	M 7
T 8	2 38 53	9° 6'51	1♑41	28°48	13°23	8°35	13° 5	19°37	1° 1	14° 5	19°30	20°31	21°39	29°40	n.a.	T 8
W 9	2 42 50	10° 8'04	13°27	29°14	14°38	9°11	13°17	19°42	1° 5	14° 6	19°32	20°29	21°36	29°46	n.a.	W 9
T 10	2 46 46	11° 9'16	25°15	29°30	15°54	9°46	13°30	19°48	1° 8	14° 6	19°33	20°D29	21°33	29°53	n.a.	T 10
F 11	2 50 43	12°10'29	7♒10	29°R36	17° 9	10°22	13°43	19°53	1°12	14° 7	19°35	20°R29	21°30	29°59	n.a.	F 11
S 12	2 54 39	13°11'42	19°18	29°32	18°25	10°58	13°55	19°58	1°15	14° 7	19°37	20°29	21°27	0♑ 6	n.a.	S 12
S 13	2 58 36	14°12'55	1♓44	29°16	19°40	11°33	14° 7	20° 4	1°19	14° 8	19°38	20°28	21°23	0°13	n.a.	S 13
M14	3 2 32	15°14'09	14°33	28°49	20°56	12° 9	14°20	20° 9	1°22	14° 8	19°40	20°24	21°20	0°20	n.a.	M14
T 15	3 6 29	16°15'23	27°48	28°10	22°11	12°44	14°32	20°14	1°26	14° 8	19°42	20°18	21°17	0°26	n.a.	T 15
W16	3 10 26	17°16'37	11♈33	27°20	23°27	13°19	14°44	20°19	1°29	14° 8	19°43	20° 9	21°14	0°33	n.a.	W16
T 17	3 14 22	18°17'51	25°44	26°20	24°42	13°55	14°57	20°23	1°33	14° 9	19°45	19°59	21°11	0°40	n.a.	T 17
F 18	3 18 19	19°19'05	10♉19	25°10	25°58	14°30	15° 9	20°28	1°36	14° 9	19°47	19°49	21° 7	0°46	n.a.	F 18
S 19	3 22 15	20°20'20	25°11	23°54	27°13	15° 5	15°21	20°33	1°40	14° 9	19°49	19°39	21° 4	0°53	n.a.	S 19
S 20	3 26 12	21°21'35	10♊10	22°34	28°28	15°41	15°33	20°38	1°43	14° 9	19°50	19°32	21° 1	0°59	n.a.	S 20
M21	3 30 8	22°22'50	25° 8	21°11	29°44	16°16	15°45	20°42	1°47	14° 9	19°52	19°27	20°58	1° 6	n.a.	M21
T 22	3 34 5	23°24'06	9♋56	19°50	0♐59	16°51	15°57	20°47	1°50	14° 9	19°54	19°25	20°55	1°13	n.a.	T 22
W23	3 38 2	24°25'22	24°28	18°33	2°15	17°26	16° 9	20°51	1°54	14°R 9	19°56	19°D24	20°52	1°19	n.a.	W23
T 24	3 41 58	25°26'38	8♌42	17°21	3°30	18° 1	16°20	20°56	1°58	14° 9	19°58	19°25	20°48	1°26	n.a.	T 24
F 25	3 45 55	26°27'55	22°35	16°17	4°45	18°36	16°32	21° 0	2° 1	14° 9	19°59	19°R26	20°45	1°33	n.a.	F 25
S 26	3 49 51	27°29'12	6♍ 9	15°22	6° 1	19°11	16°44	21° 4	2° 5	14° 9	20° 1	19°26	20°42	1°39	n.a.	S 26
S 27	3 53 48	28°30'30	19°26	14°38	7°16	19°46	16°55	21° 8	2° 8	14° 9	20° 3	19°24	20°39	1°46	n.a.	S 27
M28	3 57 44	29°31'47	2♎26	14° 3	8°31	20°21	17° 7	21°12	2°12	14° 9	20° 5	19°19	20°36	1°53	n.a.	M28
T 29	4 1 41	0♐33'05	15°13	13°39	9°47	20°55	17°18	21°16	2°16	14° 9	20° 7	19°12	20°33	1°59	n.a.	T 29
W30	4 5 37	1♐34'22	27♎47	13♏26	11♐ 2	21♍30	17♎30	21♍20	2♐19	14♑ 9	20♐ 9	19♋ 4	20♋29	2♑ 6	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s20	2n11	4n49	21s 2	2s23	12s53	0n22	11n30	1n35	3s36	1n 8	6n34	2n19	20s35	0s 1	17n49	1n 0	25s17	1s57	22n 0	21n57	21s45		n.a.
W 2	12 41	2s42	5 0	21 16	2 20	13 21	0 19	11 17	1 35	3 42	1 8	6 32	2 20	20 36	0 1	17 49	1 0	25 17	1 57	22 2	21 57	21 46		n.a.
T 3	13 2	7 24	4 56	21 28	2 16	13 48	0 17	11 4	1 35	3 47	1 8	6 29	2 20	20 37	0 1	17 48	1 0	25 18	1 57	22 4	21 58	21 47		n.a.
F 4	13 23	11 43	4 38	21 38	2 12	14 15	0 15	10 51	1 36	3 52	1 8	6 27	2 20	20 38	0 1	17 48	1 0	25 18	1 57	22 6	21 58	21 47		n.a.
S 5	13 44	15 29	4 7	21 45	2 6	14 42	0 12	10 37	1 36	3 57	1 8	6 25	2 20	20 38	0 1	17 48	1 0	25 18	1 57	22 8	21 59	21 48		n.a.
S 6	14 4	18 34	3 25	21 50	1 59	15 8	0 10	10 24	1 36	4 2	1 8	6 23	2 20	20 39	0 1	17 48	1 0	25 18	1 57	22 9	21 59	21 49		n.a.
M 7	14 24	20 48	2 35	21 51	1 51	15 34	0 8	10 11	1 37	4 7	1 8	6 21	2 21	20 40	0 1	17 48	1 0	25 18	1 57	22 11	22 0	21 50		n.a.
T 8	14 44	22 8	1 38	21 50	1 42	16 0	0 5	9 58	1 37	4 12	1 8	6 19	2 21	20 40	0 1	17 48	1 0	25 18	1 57	22 11	22 1	21 51		n.a.
W 9	15 4	22 28	0 37	21 45	1 31	16 25	0 3	9 44	1 37	4 17	1 8	6 17	2 21	20 41	0 1	17 48	1 0	25 19	1 57	22 11	22 1	21 52		n.a.
T 10	15 23	21 48	0s25	21 37	1 19	16 49	0 1	9 31	1 38	4 21	1 8	6 15	2 21	20 42	0 1	17 48	1 0	25 19	1 58	22 12	22 2	21 52		n.a.
F 11	15 42	20 9	1 28	21 25	1 5	17 13	0s 2	9 18	1 38	4 26	1 8	6 13	2 21	20 43	0 1	17 47	1 0	25 19	1 58	22 11	22 2	21 53		n.a.
S 12	16 1	17 34	2 27	21 9	0 50	17 37	0 4	9 4	1 38	4 31	1 8	6 11	2 21	20 43	0 1	17 47	1 1	25 19	1 58	22 11	22 3	21 54		n.a.
S 13	16 20	14 8	3 21	20 50	0 34	18 0	0 7	8 51	1 38	4 36	1 8	6 9	2 22	20 44	0 1	17 47	1 1	25 19	1 58	22 12	22 3	21 55		n.a.
M14	16 38	9 57	4 7	20 26	0 16	18 23	0 9	8 37	1 39	4 41	1 8	6 8	2 22	20 45	0 1	17 47	1 1	25 20	1 58	22 12	22 4	21 56		n.a.
T 15	16 56	5 10	4 41	19 59	0n 3	18 45	0 11	8 24	1 39	4 46	1 8	6 6	2 22	20 46	0 1	17 47	1 1	25 20	1 58	22 13	22 4	21 57		n.a.
W16	17 14	0n 1	5 1	19 29	0 23	19 7	0 14	8 10	1 39	4 50	1 8	6 4	2 22	20 46	0 1	17 47	1 1	25 20	1 58	22 15	22 5	21 57		n.a.
T 17	17 31	5 23	5 3	18 55	0 43	19 28	0 16	7 57	1 40	4 55	1 8	6 2	2 23	20 47	0 1	17 47	1 1	25 20	1 58	22 16	22 5	21 58		n.a.
F 18	17 48	10 37	4 45	18 18	1 3	19 49	0 18	7 43	1 40	5 0	1 8	6 1	2 23	20 48	0 1	17 47	1 1	25 20	1 58	22 18	22 6	21 59		n.a.
S 19	18 5	15 19	4 8	17 40	1 23	20 9	0 21	7 30	1 40	5 4	1 9	5 59	2 23	20 48	0 1	17 47	1 1	25 20	1 58	22 19	22 6	22 0		n.a.
S 20	18 21	19 5	3 14	17 2	1 42	20 29	0 23	7 16	1 41	5 9	1 9	5 57	2 23	20 49	0 1	17 47	1 1	25 21	1 58	22 20	22 7	22 1		n.a.
M21	18 37	21 35	2 6	16 23	2 0	20 48	0 25	7 2	1 41	5 14	1 9	5 56	2 23	20 50	0 1	17 47	1 1	25 21	1 58	22 21	22 7	22 1		n.a.
T 22	18 53	22 34	0 51	15 46	2 16	21 6	0 28	6 49	1 41	5 18	1 9	5 54	2 24	20 51	0 1	17 47	1 1	25 21	1 58	22 21	22 8	22 2		n.a.
W23	19 9	21 59	0n27	15 11	2 30	21 24	0 30	6 35	1 42	5 23	1 9	5 52	2 24	20 51	0 1	17 47	1 1	25 21	1 58	22 21	22 8	22 3		n.a.
T 24	19 24	19 59	1 42	14 40	2 42	21 41	0 32	6 22	1 42	5 27	1 9	5 51	2 24	20 52	0 1	17 47	1 1	25 21	1 58	22 21	22 9	22 4		n.a.
F 25	19 38	16 50	2 49	14 13	2 51	21 57	0 35	6 8	1 42	5 32	1 9	5 49	2 24	20 53	0 1	17 47	1 1	25 22	1 58	22 21	22 9	22 4		n.a.
S 26	19 53	12 51	3 44	13 50	2 58	22 13	0 37	5 54	1 42	5 36	1 9	5 48	2 25	20 54	0 1	17 47	1 1	25 22	1 58	22 21	22 10	22 5		n.a.
S 27	20 7	8 19	4 27	13 33	3 3	22 28	0 39	5 41	1 43	5 41	1 9	5 46	2 25	20 54	0 1	17 47	1 1	25 22	1 58	22 21	22 10	22 6		n.a.
M28	20 20	3 30	4 54	13 20	3 6	22 43	0 41	5 27	1 43	5 45	1 9	5 45	2 25	20 55	0 1	17 48	1 1	25 22	1 59	22 22	22 10	22 7		n.a.
T 29	20 33	1s22	5 7	13 12	3 7	22 57	0 43	5 13	1 43	5 49	1 9	5 44	2 25	20 56	0 1	17 48	1 1	25 23	1 59	22 23	22 11	22 7		n.a.
W30	20s46	6s 7	5n 4	13s 8	3n 6	23s10	0s45	5n 0	1n44	5s54	1n 9	5n42	2n26	20s57	0s 1	17n48	1n 1	25s23	1s59	22n24	22n11	22s 8		n.a.

Julian Day Number = 1466052.5, Delta T = 05h35m08s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'46, Lahiri = -13°36'46 Julian Calendar 1 Nov. 700 BCE == Greg. Calendar 25 Oct. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 700 BCE
geocentric

DECEMBER 700 BCE (-699) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 9 34	2♐35'40	10♏10	13°D21	12♐18	22♍ 5	17♎41	21♍24	2♐23	14°R 8	20♐11	18°R55	20♋26	2♑13	n.a.	T 1
F 2	4 13 31	3°36'57	22°24	13♏26	13°33	22°39	17°52	21°28	2°26	14♌ 8	20°13	18♋45	20°23	2°19	n.a.	F 2
S 3	4 17 27	4°38'15	4♐29	13°39	14°48	23°14	18° 3	21°31	2°30	14° 8	20°14	18°37	20°20	2°26	n.a.	S 3
S 4	4 21 24	5°39'32	16°26	14° 0	16° 3	23°48	18°14	21°35	2°34	14° 7	20°16	18°31	20°17	2°33	n.a.	S 4
M 5	4 25 20	6°40'49	28°17	14°27	17°19	24°23	18°25	21°38	2°37	14° 7	20°18	18°26	20°13	2°39	n.a.	M 5
T 6	4 29 17	7°42'05	10♑ 4	15° 1	18°34	24°57	18°36	21°41	2°41	14° 7	20°20	18°24	20°10	2°46	n.a.	T 6
W 7	4 33 13	8°43'21	21°50	15°41	19°49	25°31	18°47	21°45	2°44	14° 6	20°22	18°D24	20° 7	2°53	n.a.	W 7
T 8	4 37 10	9°44'36	3♒39	16°25	21° 5	26° 5	18°58	21°48	2°48	14° 6	20°24	18°25	20° 4	2°59	n.a.	T 8
F 9	4 41 6	10°45'50	15°33	17°14	22°20	26°39	19° 8	21°51	2°52	14° 5	20°26	18°26	20° 1	3° 6	n.a.	F 9
S 10	4 45 3	11°47'03	27°40	18° 7	23°35	27°13	19°19	21°54	2°55	14° 5	20°28	18°28	19°58	3°13	n.a.	S 10
S 11	4 49 0	12°48'16	10♓ 2	19° 4	24°50	27°47	19°29	21°57	2°59	14° 4	20°30	18°R29	19°54	3°19	n.a.	S 11
M12	4 52 56	13°49'27	22°45	20° 4	26° 5	28°21	19°39	21°59	3° 2	14° 3	20°32	18°29	19°51	3°26	n.a.	M12
T 13	4 56 53	14°50'38	5♈54	21° 7	27°21	28°55	19°50	22° 2	3° 6	14° 3	20°34	18°27	19°48	3°33	n.a.	T 13
W14	5 0 49	15°51'48	19°30	22°12	28°36	29°28	20° 0	22° 5	3° 9	14° 2	20°36	18°23	19°45	3°39	n.a.	W14
T 15	5 4 46	16°52'56	3♉36	23°20	29°51	0♎ 2	20°10	22° 7	3°13	14° 1	20°38	18°19	19°42	3°46	n.a.	T 15
F 16	5 8 42	17°54'04	18° 9	24°30	1♑ 6	0°36	20°20	22°10	3°17	14° 1	20°40	18°14	19°39	3°52	n.a.	F 16
S 17	5 12 39	18°55'11	3♊ 5	25°42	2°21	1° 9	20°29	22°12	3°20	14° 0	20°42	18°10	19°35	3°59	n.a.	S 17
S 18	5 16 36	19°56'17	18°14	26°56	3°36	1°42	20°39	22°14	3°24	13°59	20°44	18° 6	19°32	4° 6	n.a.	S 18
M19	5 20 32	20°57'22	3♋29	28°11	4°51	2°16	20°49	22°16	3°27	13°58	20°46	18° 4	19°29	4°12	n.a.	M19
T 20	5 24 29	21°58'26	18°37	29°28	6° 6	2°49	20°58	22°18	3°31	13°57	20°48	18°D 4	19°26	4°19	n.a.	T 20
W21	5 28 25	22°59'29	3♌31	0♐46	7°21	3°22	21° 7	22°20	3°34	13°57	20°50	18° 4	19°23	4°26	n.a.	W21
T 22	5 32 22	24° 0'31	18° 4	2° 6	8°36	3°55	21°17	22°22	3°37	13°56	20°52	18° 6	19°19	4°32	n.a.	T 22
F 23	5 36 18	25° 1'33	2♍13	3°26	9°52	4°28	21°26	22°24	3°41	13°55	20°54	18° 7	19°16	4°39	n.a.	F 23
S 24	5 40 15	26° 2'34	15°57	4°48	11° 7	5° 1	21°35	22°25	3°44	13°54	20°56	18° 8	19°13	4°46	n.a.	S 24
S 25	5 44 11	27° 3'34	29°16	6°11	12°21	5°33	21°44	22°27	3°48	13°53	20°57	18°R 8	19°10	4°52	n.a.	S 25
M26	5 48 8	28° 4'33	12♎13	7°35	13°36	6° 6	21°53	22°28	3°51	13°52	20°59	18° 8	19° 7	4°59	n.a.	M26
T 27	5 52 5	29° 5'31	24°52	9° 0	14°51	6°38	22° 1	22°29	3°54	13°51	21° 1	18° 6	19° 4	5° 6	n.a.	T 27
W28	5 56 1	0♑ 6'29	7♏15	10°26	16° 6	7°11	22°10	22°31	3°58	13°50	21° 3	18° 4	19° 0	5°12	n.a.	W28
T 29	5 59 58	1° 7'25	19°26	11°53	17°21	7°43	22°18	22°32	4° 1	13°48	21° 5	18° 1	18°57	5°19	n.a.	T 29
F 30	6 3 54	2° 8'20	1♐27	13°20	18°36	8°15	22°26	22°33	4° 4	13°47	21° 7	17°58	18°54	5°26	n.a.	F 30
S 31	6 7 51	3♑ 9'14	13♐22	14♐49	19♑51	8♎47	22♎35	22♍34	4♐ 8	13♌46	21♐ 9	17♋56	18♋51	5♑32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20s58	10s32	4n47	13s 9	3n 4	23s22	0s48	4n46	1n44	5s58	1n 9	5n41	2n26	20s57	0s 1	17n48	1n 1	25s23	1s59	22n25	22n12	22s 9			n.a.
F 2	21 10	14 30	4 17	13 14	3 0	23 34	0 50	4 33	1 44	6 2	1 9	5 40	2 26	20 58	0 1	17 48	1 1	25 23	1 59	22 27	22 12	22 10			n.a.
S 3	21 22	17 49	3 35	13 22	2 56	23 45	0 52	4 19	1 44	6 7	1 10	5 39	2 26	20 59	0 1	17 48	1 1	25 23	1 59	22 28	22 13	22 10			n.a.
S 4	21 33	20 21	2 45	13 33	2 50	23 56	0 54	4 6	1 45	6 11	1 10	5 37	2 27	20 59	0 1	17 48	1 2	25 24	1 59	22 29	22 13	22 11			n.a.
M 5	21 44	21 59	1 47	13 47	2 44	24 5	0 56	3 52	1 45	6 15	1 10	5 36	2 27	21 0	0 1	17 48	1 2	25 24	1 59	22 29	22 14	22 12			n.a.
T 6	21 54	22 38	0 45	14 4	2 37	24 14	0 57	3 38	1 45	6 19	1 10	5 35	2 27	21 1	0 1	17 49	1 2	25 24	1 59	22 30	22 14	22 12			n.a.
W 7	22 4	22 17	0s19	14 22	2 30	24 22	0 59	3 25	1 45	6 23	1 10	5 34	2 27	21 2	0 1	17 49	1 2	25 24	1 59	22 30	22 15	22 13			n.a.
T 8	22 14	20 57	1 22	14 42	2 23	24 29	1 1	3 11	1 46	6 27	1 10	5 33	2 28	21 2	0 1	17 49	1 2	25 24	1 59	22 30	22 15	22 14			n.a.
F 9	22 23	18 40	2 23	15 4	2 15	24 36	1 3	2 58	1 46	6 31	1 10	5 32	2 28	21 3	0 1	17 49	1 2	25 25	1 59	22 29	22 16	22 14			n.a.
S 10	22 31	15 33	3 18	15 27	2 6	24 42	1 5	2 44	1 46	6 35	1 10	5 31	2 28	21 4	0 1	17 49	1 2	25 25	1 59	22 29	22 16	22 15			n.a.
S 11	22 39	11 41	4 5	15 51	1 58	24 47	1 6	2 31	1 47	6 39	1 10	5 30	2 28	21 4	0 1	17 50	1 2	25 25	1 59	22 29	22 17	22 16			n.a.
M12	22 47	7 13	4 42	16 15	1 50	24 51	1 8	2 18	1 47	6 43	1 10	5 29	2 29	21 5	0 1	17 50	1 2	25 25	2 0	22 29	22 17	22 17			n.a.
T 13	22 54	2 18	5 6	16 40	1 41	24 55	1 10	2 4	1 47	6 46	1 11	5 29	2 29	21 6	0 1	17 50	1 2	25 26	2 0	22 29	22 18	22 17			n.a.
W14	23 1	2n55	5 13	17 6	1 32	24 58	1 11	1 51	1 47	6 50	1 11	5 28	2 29	21 7	0 1	17 50	1 2	25 26	2 0	22 30	22 18	22 18			n.a.
T 15	23 7	8 10	5 2	17 31	1 24	25 0	1 13	1 38	1 47	6 54	1 11	5 27	2 30	21 7	0 2	17 50	1 2	25 26	2 0	22 30	22 19	22 19			n.a.
F 16	23 13	13 8	4 32	17 57	1 15	25 1	1 14	1 24	1 48	6 58	1 11	5 26	2 30	21 8	0 2	17 51	1 2	25 26	2 0	22 31	22 19	22 19			n.a.
S 17	23 19	17 26	3 42	18 23	1 6	25 1	1 16	1 11	1 48	7 1	1 11	5 26	2 30	21 9	0 2	17 51	1 2	25 26	2 0	22 32	22 20	22 20			n.a.
S 18	23 23	20 39	2 37	18 49	0 58	25 1	1 17	0 58	1 48	7 5	1 11	5 25	2 30	21 9	0 2	17 51	1 2	25 27	2 0	22 32	22 20	22 20			n.a.
M19	23 28	22 25	1 19	19 14	0 49	25 0	1 18	0 45	1 48	7 8	1 11	5 25	2 31	21 10	0 2	17 52	1 2	25 27	2 0	22 32	22 20	22 21			n.a.
T 20	23 32	22 31	0n 3	19 40	0 41	24 58	1 20	0 31	1 49	7 12	1 11	5 24	2 31	21 11	0 2	17 52	1 2	25 27	2 0	22 32	22 21	22 22			n.a.
W21	23 35	21 0	1 24	20 5	0 32	24 55	1 21	0 18	1 49	7 15	1 11	5 23	2 31	21 11	0 2	17 52	1 2	25 27	2 0	22 32	22 21	22 22			n.a.
T 22	23 38	18 8	2 38	20 29	0 24	24 52	1 22	0 5	1 49	7 19	1 12	5 23	2 31	21 12	0 2	17 52	1 2	25 28	2 0	22 32	22 22	22 23			n.a.
F 23	23 41	14 15	3 40	20 53	0 16	24 47	1 23	0s 8	1 49	7 22	1 12	5 23	2 32	21 13	0 2	17 53	1 2	25 28	2 0	22 32	22 22	22 24			n.a.
S 24	23 43	9 43	4 27	21 16	0 8	24 42	1 24	0 21	1 50	7 25	1 12	5 22	2 32	21 13	0 2	17 53	1 2	25 28	2 1	22 32	22 23	22 24			n.a.
S 25	23 45	4 51	4 59	21 39	0s 0	24 36	1 25	0 34	1 50	7 28	1 12	5 22	2 32	21 14	0 2	17 53	1 2	25 28	2 1	22 32	22 23	22 25			n.a.
M26	23 46	0s 5	5 14	22 1	0 8	24 30	1 26	0 47	1 50	7 32	1 12	5 22	2 33	21 15	0 2	17 54	1 2	25 29	2 1	22 32	22 24	22 25			n.a.
T 27	23 46	4 54	5 14	22 22	0 15	24 23	1 27	0 59	1 50	7 35	1 12	5 21	2 33	21 15	0 2	17 54	1 2	25 29	2 1	22 32	22 24	22 26			n.a.
W28	23 47	9 26	4 58	22 42	0 23	24 15	1 28	1 12	1 50	7 38	1 12	5 21	2 33	21 16	0 2	17 54	1 3	25 29	2 1	22 32	22 25	22 27			n.a.
T 29	23 46	13 30	4 30	23 1	0 30	24 6	1 28	1 25	1 50	7 41	1 12	5 21	2 33	21 17	0 2	17 55	1 3	25 29	2 1	22 33	22 25	22 27			n.a.
F 30	23 46	17 0	3 50	23 20	0 37	23 56	1 29	1 38	1 51	7 44	1 13	5 21	2 34	21 17	0 2	17 55	1 3	25 29	2 1	22 33	22 25	22 28			n.a.
S 31	23s44	19s45	3n 0	23s37	0s44	23s46	1s30	1s50	1n51	7s47	1n13	5n21	2n34	21s18	0s 2	17n56	1n 3	25s30	2s 1	22n33	22n26	22s28			n.a.

Julian Day Number = 1466082.5, Delta T = 05h35m07s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'42, Lahiri = -13°36'42 Julian Calendar 1 Dec. 700 BCE == Greg. Calendar 24 Nov. 700 BCE

The year -699 astronomical counting style corresponds to year 700 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

JANUARY 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 11 47	4♉10'07	25♐12	16♐18	21♉ 6	9♎19	22♎43	22♍34	4♐11	13°R45	21♐11	17°R54	18♋48	5♉39	n.a.	S 1
M 2	6 15 44	5°10'59	7♉ 0	17°48	22°21	9°51	22°50	22°35	4°14	13♌44	21°13	17♋53	18°45	5°46	n.a.	M 2
T 3	6 19 40	6°11'49	18°47	19°19	23°36	10°23	22°58	22°36	4°17	13°43	21°15	17°D53	18°41	5°52	n.a.	T 3
W 4	6 23 37	7°12'37	0♒36	20°51	24°50	10°54	23° 6	22°36	4°21	13°41	21°17	17°53	18°38	5°59	n.a.	W 4
T 5	6 27 34	8°13'24	12°30	22°23	26° 5	11°26	23°13	22°36	4°24	13°40	21°19	17°54	18°35	6° 5	n.a.	T 5
F 6	6 31 30	9°14'10	24°30	23°57	27°20	11°57	23°21	22°37	4°27	13°39	21°21	17°55	18°32	6°12	n.a.	F 6
S 7	6 35 27	10°14'53	6♓41	25°31	28°35	12°28	23°28	22°37	4°30	13°38	21°23	17°56	18°29	6°19	n.a.	S 7
S 8	6 39 23	11°15'35	19° 5	27° 6	29°49	12°59	23°35	22°R37	4°33	13°36	21°24	17°57	18°25	6°25	n.a.	S 8
M 9	6 43 20	12°16'15	1♈47	28°41	1♒ 4	13°30	23°42	22°37	4°36	13°35	21°26	17°57	18°22	6°32	n.a.	M 9
T 10	6 47 16	13°16'53	14°50	0♉18	2°19	14° 1	23°49	22°37	4°39	13°33	21°28	17°R57	18°19	6°39	n.a.	T 10
W11	6 51 13	14°17'29	28°16	1°55	3°33	14°32	23°55	22°36	4°42	13°32	21°30	17°57	18°16	6°45	n.a.	W11
T 12	6 55 9	15°18'03	12♉ 9	3°34	4°48	15° 2	24° 2	22°36	4°45	13°31	21°32	17°57	18°13	6°52	n.a.	T 12
F 13	6 59 6	16°18'36	26°27	5°13	6° 2	15°32	24° 8	22°35	4°48	13°29	21°34	17°56	18°10	6°59	n.a.	F 13
S 14	7 3 3	17°19'06	11♊ 9	6°53	7°17	16° 3	24°14	22°35	4°51	13°28	21°36	17°56	18° 6	7° 5	n.a.	S 14
S 15	7 6 59	18°19'35	26° 9	8°34	8°31	16°33	24°20	22°34	4°54	13°26	21°37	17°D56	18° 3	7°12	n.a.	S 15
M16	7 10 56	19°20'01	11♋20	10°16	9°46	17° 2	24°26	22°33	4°57	13°25	21°39	17°R56	18° 0	7°19	n.a.	M16
T 17	7 14 52	20°20'26	26°33	11°59	11° 0	17°32	24°32	22°33	4°59	13°23	21°41	17°56	17°57	7°25	n.a.	T 17
W18	7 18 49	21°20'49	11♌37	13°42	12°15	18° 2	24°37	22°32	5° 2	13°22	21°43	17°56	17°54	7°32	n.a.	W18
T 19	7 22 45	22°21'11	26°24	15°27	13°29	18°31	24°43	22°30	5° 5	13°20	21°44	17°56	17°51	7°39	n.a.	T 19
F 20	7 26 42	23°21'30	10♍48	17°13	14°43	19° 0	24°48	22°29	5° 8	13°19	21°46	17°55	17°47	7°45	n.a.	F 20
S 21	7 30 39	24°21'48	24°46	19° 0	15°58	19°29	24°53	22°28	5°10	13°17	21°48	17°55	17°44	7°52	n.a.	S 21
S 22	7 34 35	25°22'04	8♎15	20°47	17°12	19°58	24°58	22°27	5°13	13°16	21°50	17°54	17°41	7°59	n.a.	S 22
M23	7 38 32	26°22'19	21°19	22°36	18°26	20°27	25° 3	22°25	5°15	13°14	21°51	17°D54	17°38	8° 5	n.a.	M23
T 24	7 42 28	27°22'32	3♏59	24°25	19°40	20°55	25° 7	22°24	5°18	13°13	21°53	17°54	17°35	8°12	n.a.	T 24
W25	7 46 25	28°22'43	16°20	26°16	20°55	21°24	25°12	22°22	5°21	13°11	21°55	17°54	17°31	8°18	n.a.	W25
T 26	7 50 21	29°22'53	28°26	28° 8	22° 9	21°52	25°16	22°20	5°23	13° 9	21°56	17°55	17°28	8°25	n.a.	T 26
F 27	7 54 18	0♒23'01	10♐21	0♒ 0	23°23	22°20	25°20	22°18	5°25	13° 8	21°58	17°56	17°25	8°32	n.a.	F 27
S 28	7 58 14	1°23'08	22°10	1°54	24°37	22°47	25°24	22°16	5°28	13° 6	22° 0	17°58	17°22	8°38	n.a.	S 28
S 29	8 2 11	2°23'12	3♉57	3°48	25°51	23°15	25°27	22°14	5°30	13° 5	22° 1	17°59	17°19	8°45	n.a.	S 29
M30	8 6 7	3°23'15	15°44	5°43	27° 5	23°42	25°31	22°12	5°33	13° 3	22° 3	17°R59	17°16	8°52	n.a.	M30
T 31	8 10 4	4♒23'15	27♉34	7♒39	28♒19	24♎ 9	25♎34	22♍10	5♐35	13♌ 1	22♐ 4	17♋59	17♋12	8♉58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s43	21s39	2n 3	23s54	0s50	23s35	1s30	2s 3	1n51	7s50	1n13	5n21	2n34	21s19	0s 2	17n56	1n 3	25s30	2s 1	22n34	22n26	22s29		n.a.
M 2	23 41	22 35	1 0	24 9	0 56	23 23	1 31	2 15	1 51	7 53	1 13	5 21	2 35	21 19	0 2	17 56	1 3	25 30	2 1	22 34	22 27	22 30		n.a.
T 3	23 38	22 31	0s 5	24 23	1 3	23 11	1 31	2 28	1 51	7 55	1 13	5 21	2 35	21 20	0 2	17 57	1 3	25 30	2 2	22 34	22 27	22 30		n.a.
W 4	23 35	21 27	1 10	24 36	1 8	22 58	1 31	2 40	1 52	7 58	1 13	5 21	2 35	21 20	0 2	17 57	1 3	25 31	2 2	22 34	22 28	22 31		n.a.
T 5	23 31	19 25	2 13	24 47	1 14	22 44	1 32	2 52	1 52	8 1	1 13	5 21	2 35	21 21	0 2	17 57	1 3	25 31	2 2	22 34	22 28	22 31		n.a.
F 6	23 27	16 31	3 10	24 58	1 19	22 29	1 32	3 5	1 52	8 3	1 14	5 21	2 36	21 22	0 2	17 58	1 3	25 31	2 2	22 34	22 29	22 32		n.a.
S 7	23 23	12 53	3 59	25 6	1 24	22 14	1 32	3 17	1 52	8 6	1 14	5 21	2 36	21 22	0 2	17 58	1 3	25 31	2 2	22 33	22 29	22 32		n.a.
S 8	23 18	8 38	4 39	25 14	1 29	21 59	1 32	3 29	1 52	8 8	1 14	5 21	2 36	21 23	0 2	17 59	1 3	25 32	2 2	22 33	22 29	22 33		n.a.
M 9	23 12	3 57	5 6	25 20	1 34	21 42	1 32	3 41	1 52	8 11	1 14	5 22	2 37	21 23	0 2	17 59	1 3	25 32	2 2	22 33	22 30	22 33		n.a.
T 10	23 6	1n 3	5 18	25 25	1 38	21 25	1 32	3 53	1 52	8 13	1 14	5 22	2 37	21 24	0 2	18 0	1 3	25 32	2 2	22 33	22 30	22 34		n.a.
W11	23 0	6 8	5 13	25 28	1 42	21 7	1 32	4 5	1 52	8 16	1 14	5 22	2 37	21 24	0 2	18 0	1 3	25 32	2 2	22 33	22 31	22 35		n.a.
T 12	22 53	11 6	4 50	25 29	1 46	20 49	1 32	4 17	1 53	8 18	1 15	5 23	2 37	21 25	0 2	18 0	1 3	25 32	2 2	22 33	22 31	22 35		n.a.
F 13	22 46	15 36	4 9	25 29	1 49	20 30	1 31	4 28	1 53	8 20	1 15	5 23	2 38	21 26	0 2	18 1	1 3	25 33	2 3	22 33	22 32	22 36		n.a.
S 14	22 38	19 17	3 11	25 27	1 52	20 11	1 31	4 40	1 53	8 22	1 15	5 24	2 38	21 26	0 2	18 1	1 3	25 33	2 3	22 33	22 32	22 36		n.a.
S 15	22 30	21 45	1 58	25 24	1 54	19 51	1 31	4 52	1 53	8 24	1 15	5 24	2 38	21 27	0 2	18 2	1 3	25 33	2 3	22 33	22 32	22 37		n.a.
M16	22 22	22 41	0 37	25 19	1 57	19 30	1 30	5 3	1 53	8 26	1 15	5 25	2 39	21 27	0 2	18 2	1 3	25 33	2 3	22 33	22 33	22 37		n.a.
T 17	22 13	21 55	0n48	25 12	1 58	19 9	1 30	5 15	1 53	8 28	1 15	5 25	2 39	21 28	0 2	18 3	1 3	25 34	2 3	22 33	22 33	22 38		n.a.
W18	22 3	19 35	2 8	25 3	2 0	18 47	1 29	5 26	1 53	8 30	1 16	5 26	2 39	21 28	0 2	18 3	1 3	25 34	2 3	22 33	22 34	22 38		n.a.
T 19	21 54	15 59	3 18	24 52	2 1	18 25	1 28	5 37	1 53	8 32	1 16	5 27	2 39	21 29	0 2	18 4	1 3	25 34	2 3	22 33	22 34	22 39		n.a.
F 20	21 44	11 31	4 14	24 40	2 2	18 2	1 28	5 48	1 53	8 34	1 16	5 28	2 40	21 29	0 2	18 4	1 3	25 34	2 3	22 34	22 35	22 39		n.a.
S 21	21 33	6 34	4 52	24 25	2 2	17 39	1 27	5 59	1 53	8 35	1 16	5 28	2 40	21 30	0 2	18 5	1 3	25 34	2 4	22 34	22 35	22 40		n.a.
S 22	21 22	1 28	5 13	24 9	2 1	17 16	1 26	6 10	1 53	8 37	1 16	5 29	2 40	21 30	0 2	18 5	1 3	25 35	2 4	22 34	22 35	22 40		n.a.
M23	21 11	3s32	5 17	23 50	2 1	16 52	1 25	6 21	1 53	8 39	1 16	5 30	2 40	21 31	0 2	18 6	1 3	25 35	2 4	22 34	22 36	22 40		n.a.
T 24	20 59	8 14	5 5	23 30	1 59	16 27	1 24	6 32	1 53	8 40	1 17	5 31	2 41	21 31	0 2	18 6	1 3	25 35	2 4	22 34	22 36	22 41		n.a.
W25	20 47	12 30	4 40	23 7	1 58	16 2	1 23	6 43	1 53	8 42	1 17	5 32	2 41	21 32	0 2	18 6	1 3	25 35	2 4	22 34	22 37	22 41		n.a.
T 26	20 34	16 10	4 2	22 43	1 55	15 37	1 22	6 53	1 53	8 43	1 17	5 33	2 41	21 32	0 2	18 7	1 3	25 36	2 4	22 34	22 37	22 42		n.a.
F 27	20 21	19 7	3 14	22 16	1 53	15 11	1 20	7 4	1 53	8 44	1 17	5 34	2 41	21 33	0 2	18 7	1 3	25 36	2 4	22 33	22 38	22 42		n.a.
S 28	20 8	21 14	2 18	21 47	1 49	14 44	1 19	7 14	1 53	8 46	1 17	5 35	2 42	21 33	0 2	18 8	1 3	25 36	2 4	22 33	22 38	22 43		n.a.
S 29	19 54	22 26	1 17	21 17	1 45	14 18	1 18	7 25	1 53	8 47	1 17	5 36	2 42	21 33	0 2	18 8	1 3	25 36	2 4	22 33	22 38	22 43		n.a.
M30	19 40	22 38	0 12	20 44	1 41	13 51	1 16	7 35	1 53	8 48	1 18	5 37	2 42	21 34	0 2	18 9	1 3	25 37	2 5	22 33	22 39	22 44		n.a.
T 31	19s26	21s48	0s53	20s 9	1s36	13s24	1s15	7s45	1n53	8s49	1n18	5n38	2n42	21s34	0s 2	18n 9	1n 3	25s37	2s 5	22n33	22n39	22s44		n.a.

Julian Day Number = 1466113.5, Delta T = 05h35m05s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'38, Lahiri = -13°36'38 Julian Calendar 1 Jan. 699 BCE == Greg. Calendar 25 Dec. 700 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

FEBRUARY 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 14 1	5♒23'14	9♒30	9♒35	29♒33	24♎36	25♎37	22°R 8	5♐37	13°R 0	22♐ 6	17°R58	17♋ 9	9♉ 5	n.a.	W 1
T 2	8 17 57	6°23'10	21°33	11°32	0♓47	25° 3	25°40	22♍ 5	5°39	12♌58	22° 7	17♋56	17° 6	9°12	n.a.	T 2
F 3	8 21 54	7°23'04	3♓45	13°30	2° 1	25°29	25°43	22° 3	5°41	12°56	22° 9	17°53	17° 3	9°18	n.a.	F 3
S 4	8 25 50	8°22'56	16° 8	15°27	3°15	25°55	25°46	22° 0	5°44	12°55	22°10	17°49	17° 0	9°25	n.a.	S 4
S 5	8 29 47	9°22'46	28°44	17°25	4°28	26°21	25°48	21°57	5°46	12°53	22°12	17°46	16°57	9°32	n.a.	S 5
M 6	8 33 43	10°22'34	11♈33	19°22	5°42	26°46	25°51	21°55	5°48	12°51	22°13	17°43	16°53	9°38	n.a.	M 6
T 7	8 37 40	11°22'19	24°39	21°18	6°56	27°12	25°53	21°52	5°50	12°50	22°15	17°41	16°50	9°45	n.a.	T 7
W 8	8 41 36	12°22'02	8♉ 2	23°14	8° 9	27°37	25°55	21°49	5°52	12°48	22°16	17°D40	16°47	9°52	n.a.	W 8
T 9	8 45 33	13°21'42	21°45	25° 9	9°23	28° 1	25°56	21°46	5°54	12°46	22°17	17°40	16°44	9°58	n.a.	T 9
F 10	8 49 30	14°21'20	5♊48	27° 2	10°37	28°26	25°58	21°43	5°55	12°45	22°19	17°41	16°41	10° 5	n.a.	F 10
S 11	8 53 26	15°20'55	20°10	28°53	11°50	28°50	25°59	21°40	5°57	12°43	22°20	17°43	16°37	10°11	n.a.	S 11
S 12	8 57 23	16°20'29	4♋50	0♓41	13° 3	29°14	26° 0	21°37	5°59	12°41	22°21	17°44	16°34	10°18	n.a.	S 12
M13	9 1 19	17°20'00	19°41	2°27	14°17	29°38	26° 1	21°33	6° 1	12°40	22°23	17°R45	16°31	10°25	n.a.	M13
T 14	9 5 16	18°19'28	4♌39	4° 9	15°30	0♏ 1	26° 2	21°30	6° 2	12°38	22°24	17°44	16°28	10°31	n.a.	T 14
W15	9 9 12	19°18'54	19°35	5°48	16°43	0°24	26° 3	21°26	6° 4	12°36	22°25	17°41	16°25	10°38	n.a.	W15
T 16	9 13 9	20°18'18	4♍20	7°22	17°57	0°47	26° 3	21°23	6° 6	12°35	22°26	17°37	16°22	10°45	n.a.	T 16
F 17	9 17 5	21°17'40	18°48	8°51	19°10	1° 9	26° 3	21°19	6° 7	12°33	22°28	17°32	16°18	10°51	n.a.	F 17
S 18	9 21 2	22°17'00	2♎52	10°16	20°23	1°31	26°R 3	21°16	6° 9	12°32	22°29	17°27	16°15	10°58	n.a.	S 18
S 19	9 24 59	23°16'18	16°29	11°35	21°36	1°53	26° 3	21°12	6°10	12°30	22°30	17°22	16°12	11° 5	n.a.	S 19
M20	9 28 55	24°15'33	29°39	12°48	22°49	2°14	26° 3	21° 8	6°11	12°28	22°31	17°18	16° 9	11°11	n.a.	M20
T 21	9 32 52	25°14'48	12♏25	13°54	24° 2	2°35	26° 2	21° 5	6°13	12°27	22°32	17°15	16° 6	11°18	n.a.	T 21
W22	9 36 48	26°14'00	24°48	14°55	25°15	2°56	26° 2	21° 1	6°14	12°25	22°33	17°D14	16° 3	11°25	n.a.	W22
T 23	9 40 45	27°13'10	6♐55	15°49	26°28	3°16	26° 1	20°57	6°15	12°23	22°34	17°15	15°59	11°31	n.a.	T 23
F 24	9 44 41	28°12'18	18°50	16°35	27°41	3°36	26° 0	20°53	6°16	12°22	22°35	17°16	15°56	11°38	n.a.	F 24
S 25	9 48 38	29°11'25	0♑38	17°15	28°53	3°56	25°58	20°49	6°18	12°20	22°36	17°18	15°53	11°45	n.a.	S 25
S 26	9 52 34	0♓10'30	12°25	17°48	0♈ 6	4°15	25°57	20°45	6°19	12°19	22°37	17°R19	15°50	11°51	n.a.	S 26
M27	9 56 31	1° 9'32	24°13	18°13	1°19	4°33	25°55	20°41	6°20	12°17	22°38	17°19	15°47	11°58	n.a.	M27
T 28	10 0 27	2♓ 8'33	6♒ 8	18♓32	2♈31	4♏51	25♎53	20♍37	6♐21	12♌16	22♐39	17♋17	15♋43	12♉ 4	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s11	20s 0	1s56	19s33	1s30	12s56	1s13	7s55	1n53	8s50	1n18	5n39	2n43	21s35	0s 2	18n10	1n 3	25s37	2s 5	22n33	22n40	22s44		n.a.
T 2	18 56	17 17	2 55	18 54	1 23	12 28	1 12	8 5	1 53	8 51	1 18	5 40	2 43	21 35	0 2	18 10	1 3	25 37	2 5	22 34	22 40	22 45		n.a.
F 3	18 41	13 47	3 47	18 13	1 16	12 0	1 10	8 15	1 53	8 52	1 18	5 41	2 43	21 35	0 2	18 11	1 4	25 37	2 5	22 34	22 40	22 45		n.a.
S 4	18 26	9 39	4 28	17 31	1 9	11 31	1 8	8 24	1 52	8 53	1 18	5 43	2 43	21 36	0 2	18 11	1 4	25 38	2 5	22 34	22 41	22 46		n.a.
S 5	18 10	5 3	4 58	16 47	1 0	11 2	1 6	8 34	1 52	8 53	1 19	5 44	2 44	21 36	0 2	18 12	1 4	25 38	2 5	22 35	22 41	22 46		n.a.
M 6	17 53	0 10	5 13	16 2	0 51	10 33	1 4	8 44	1 52	8 54	1 19	5 45	2 44	21 37	0 2	18 12	1 4	25 38	2 6	22 35	22 42	22 46		n.a.
T 7	17 37	4n50	5 13	15 16	0 42	10 3	1 2	8 53	1 52	8 55	1 19	5 47	2 44	21 37	0 2	18 13	1 4	25 38	2 6	22 35	22 42	22 47		n.a.
W 8	17 20	9 44	4 55	14 28	0 32	9 34	1 0	9 2	1 52	8 55	1 19	5 48	2 44	21 37	0 2	18 13	1 4	25 38	2 6	22 36	22 42	22 47		n.a.
T 9	17 3	14 16	4 21	13 39	0 21	9 4	0 58	9 11	1 51	8 56	1 19	5 49	2 44	21 38	0 2	18 14	1 4	25 39	2 6	22 36	22 43	22 48		n.a.
F 10	16 45	18 7	3 31	12 50	0 10	8 34	0 56	9 20	1 51	8 56	1 19	5 51	2 45	21 38	0 2	18 14	1 4	25 39	2 6	22 35	22 43	22 48		n.a.
S 11	16 28	20 59	2 26	12 0	0n 2	8 3	0 54	9 29	1 51	8 56	1 20	5 52	2 45	21 38	0 2	18 15	1 4	25 39	2 6	22 35	22 44	22 48		n.a.
S 12	16 10	22 31	1 10	11 10	0 14	7 33	0 52	9 38	1 51	8 57	1 20	5 54	2 45	21 39	0 2	18 15	1 4	25 39	2 6	22 35	22 44	22 49		n.a.
M13	15 52	22 29	0n11	10 20	0 27	7 2	0 50	9 47	1 50	8 57	1 20	5 55	2 45	21 39	0 2	18 16	1 4	25 40	2 6	22 35	22 44	22 49		n.a.
T 14	15 33	20 51	1 31	9 31	0 40	6 31	0 47	9 55	1 50	8 57	1 20	5 57	2 45	21 39	0 2	18 16	1 4	25 40	2 7	22 35	22 45	22 49		n.a.
W15	15 14	17 46	2 46	8 42	0 53	6 0	0 45	10 4	1 50	8 57	1 20	5 58	2 46	21 40	0 2	18 17	1 4	25 40	2 7	22 35	22 45	22 50		n.a.
T 16	14 55	13 35	3 48	7 55	1 6	5 29	0 42	10 12	1 50	8 57	1 21	6 0	2 46	21 40	0 2	18 17	1 4	25 40	2 7	22 36	22 46	22 50		n.a.
F 17	14 36	8 41	4 34	7 9	1 19	4 58	0 40	10 20	1 49	8 57	1 21	6 1	2 46	21 40	0 2	18 18	1 4	25 40	2 7	22 37	22 46	22 50		n.a.
S 18	14 17	3 27	5 2	6 24	1 32	4 26	0 37	10 28	1 49	8 57	1 21	6 3	2 46	21 40	0 2	18 18	1 4	25 41	2 7	22 37	22 46	22 51		n.a.
S 19	13 57	1s47	5 12	5 42	1 45	3 55	0 35	10 36	1 48	8 57	1 21	6 5	2 46	21 41	0 2	18 19	1 4	25 41	2 7	22 38	22 47	22 51		n.a.
M20	13 37	6 45	5 5	5 2	1 58	3 23	0 32	10 44	1 48	8 56	1 21	6 6	2 47	21 41	0 2	18 19	1 4	25 41	2 7	22 39	22 47	22 51		n.a.
T 21	13 17	11 18	4 43	4 25	2 10	2 51	0 30	10 52	1 48	8 56	1 21	6 8	2 47	21 41	0 2	18 20	1 4	25 41	2 8	22 39	22 48	22 52		n.a.
W22	12 57	15 14	4 8	3 51	2 22	2 19	0 27	10 59	1 47	8 56	1 22	6 10	2 47	21 41	0 2	18 20	1 4	25 41	2 8	22 39	22 48	22 52		n.a.
T 23	12 37	18 27	3 22	3 19	2 33	1 48	0 24	11 7	1 47	8 55	1 22	6 11	2 47	21 42	0 2	18 21	1 4	25 42	2 8	22 39	22 48	22 52		n.a.
F 24	12 16	20 50	2 29	2 51	2 44	1 16	0 21	11 14	1 46	8 55	1 22	6 13	2 47	21 42	0 2	18 21	1 4	25 42	2 8	22 39	22 49	22 53		n.a.
S 25	11 55	22 17	1 30	2 27	2 54	0 44	0 19	11 21	1 46	8 54	1 22	6 15	2 47	21 42	0 2	18 21	1 4	25 42	2 8	22 39	22 49	22 53		n.a.
S 26	11 34	22 45	0 27	2 6	3 3	0 12	0 16	11 28	1 45	8 53	1 22	6 16	2 47	21 42	0 2	18 22	1 4	25 42	2 8	22 38	22 49	22 53		n.a.
M27	11 13	22 11	0s37	1 48	3 10	0n20	0 13	11 35	1 44	8 53	1 22	6 18	2 48	21 43	0 2	18 22	1 4	25 42	2 8	22 38	22 50	22 53		n.a.
T 28	10s52	20s37	1s40	1s35	3n17	0n52	0s10	11s42	1n44	8s52	1n22	6n20	2n48	21s43	0s 2	18n23	1n 4	25s43	2s 9	22n39	22n50	22s54		n.a.

Julian Day Number = 1466144.5, Delta T = 05h35m04s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'34, Lahiri = -13°36'33 Julian Calendar 1 Feb. 699 BCE == Greg. Calendar 25 Jan. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

MARCH 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 4 24	3♓ 7'31	18♒13	18♓43	3♈44	5♏ 9	25°R51	20°R32	6♐22	12°R14	22♐40	17°R13	15♋40	12♑11	n.a.	W 1
T 2	10 8 21	4° 6'28	0♓28	18°R47	4°56	5°27	25♎49	20♍28	6°23	12♌13	22°41	17♋ 7	15°37	12°18	n.a.	T 2
F 3	10 12 17	5° 5'22	12°56	18°44	6° 9	5°43	25°47	20°24	6°23	12°11	22°42	16°59	15°34	12°24	n.a.	F 3
S 4	10 16 14	6° 4'14	25°38	18°35	7°21	6° 0	25°44	20°20	6°24	12°10	22°43	16°50	15°31	12°31	n.a.	S 4
S 5	10 20 10	7° 3'04	8♈32	18°19	8°33	6°16	25°42	20°15	6°25	12° 8	22°43	16°41	15°28	12°38	n.a.	S 5
M 6	10 24 7	8° 1'52	21°39	17°58	9°46	6°31	25°39	20°11	6°26	12° 7	22°44	16°33	15°24	12°44	n.a.	M 6
T 7	10 28 3	9° 0'37	4♉58	17°31	10°58	6°46	25°36	20° 7	6°26	12° 5	22°45	16°26	15°21	12°51	n.a.	T 7
W 8	10 32 0	9°59'20	18°30	17° 0	12°10	7° 1	25°32	20° 2	6°27	12° 4	22°46	16°22	15°18	12°58	n.a.	W 8
T 9	10 35 56	10°58'01	2♊14	16°25	13°22	7°15	25°29	19°58	6°27	12° 2	22°46	16°20	15°15	13° 4	n.a.	T 9
F 10	10 39 53	11°56'39	16°10	15°46	14°34	7°28	25°25	19°53	6°28	12° 1	22°47	16°D20	15°12	13°11	n.a.	F 10
S 11	10 43 49	12°55'15	0♋18	15° 4	15°46	7°41	25°21	19°49	6°28	12° 0	22°48	16°20	15° 8	13°18	n.a.	S 11
S 12	10 47 46	13°53'49	14°37	14°21	16°57	7°53	25°17	19°44	6°29	11°58	22°48	16°R21	15° 5	13°24	n.a.	S 12
M13	10 51 43	14°52'20	29° 5	13°37	18° 9	8° 5	25°13	19°40	6°29	11°57	22°49	16°20	15° 2	13°31	n.a.	M13
T 14	10 55 39	15°50'50	13♌39	12°53	19°21	8°16	25° 9	19°35	6°29	11°56	22°49	16°18	14°59	13°37	n.a.	T 14
W15	10 59 36	16°49'16	28°12	12°10	20°32	8°27	25° 5	19°31	6°29	11°54	22°50	16°12	14°56	13°44	n.a.	W15
T 16	11 3 32	17°47'41	12♍40	11°28	21°44	8°37	25° 0	19°26	6°30	11°53	22°50	16° 5	14°53	13°51	n.a.	T 16
F 17	11 7 29	18°46'04	26°54	10°48	22°55	8°46	24°55	19°22	6°30	11°52	22°51	15°55	14°49	13°57	n.a.	F 17
S 18	11 11 25	19°44'24	10♎51	10°12	24° 7	8°55	24°50	19°17	6°30	11°50	22°51	15°45	14°46	14° 4	n.a.	S 18
S 19	11 15 22	20°42'43	24°26	9°38	25°18	9° 4	24°45	19°13	6°R30	11°49	22°51	15°35	14°43	14°11	n.a.	S 19
M20	11 19 18	21°41'00	7♏36	9° 9	26°29	9°11	24°40	19° 8	6°30	11°48	22°52	15°26	14°40	14°17	n.a.	M20
T 21	11 23 15	22°39'16	20°23	8°43	27°40	9°18	24°35	19° 4	6°30	11°47	22°52	15°20	14°37	14°24	n.a.	T 21
W22	11 27 12	23°37'30	2♐49	8°22	28°51	9°24	24°29	18°59	6°30	11°46	22°53	15°15	14°34	14°31	n.a.	W22
T 23	11 31 8	24°35'42	14°58	8° 6	0♑ 2	9°30	24°24	18°55	6°29	11°45	22°53	15°13	14°30	14°37	n.a.	T 23
F 24	11 35 5	25°33'52	26°54	7°55	1°13	9°35	24°18	18°50	6°29	11°43	22°53	15°D13	14°27	14°44	n.a.	F 24
S 25	11 39 1	26°32'02	8♑43	7°48	2°24	9°39	24°12	18°46	6°29	11°42	22°53	15°13	14°24	14°51	n.a.	S 25
S 26	11 42 58	27°30'09	20°31	7°D47	3°34	9°43	24° 6	18°41	6°29	11°41	22°53	15°R13	14°21	14°57	n.a.	S 26
M27	11 46 54	28°28'15	2♒22	7°50	4°45	9°46	24° 0	18°37	6°28	11°40	22°54	15°12	14°18	15° 4	n.a.	M27
T 28	11 50 51	29°26'19	14°22	7°58	5°55	9°48	23°54	18°32	6°28	11°39	22°54	15° 8	14°14	15°10	n.a.	T 28
W29	11 54 47	0♈24'22	26°34	8°11	7° 6	9°49	23°48	18°28	6°27	11°38	22°54	15° 2	14°11	15°17	n.a.	W29
T 30	11 58 44	1°22'23	9♓ 1	8°29	8°16	9°R50	23°41	18°24	6°27	11°37	22°54	14°54	14° 8	15°24	n.a.	T 30
F 31	12 2 40	2♈20'22	21♓45	8♓51	9♑26	9♏50	23♎35	18♍19	6♐26	11♌36	22♐54	14♋43	14♋ 5	15♑30	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	10s30	18s 6	2s39	1s25	3n23	1n24	0s 7	11s48	1n43	8s51	1n23	6n22	2n48	21s43	0s 2	18n23	1n 4	25s43	2s 9	22n39	22n51	22s54			n.a.
T 2	10 8	14 45	3 32	1 20	3 27	1 56	0 4	11 55	1 42	8 50	1 23	6 24	2 48	21 43	0 2	18 24	1 4	25 43	2 9	22 40	22 51	22 54			n.a.
F 3	9 47	10 42	4 15	1 18	3 30	2 28	0 1	12 1	1 42	8 49	1 23	6 25	2 48	21 43	0 2	18 24	1 4	25 43	2 9	22 41	22 51	22 54			n.a.
S 4	9 25	6 8	4 46	1 21	3 31	2 59	0n 2	12 7	1 41	8 48	1 23	6 27	2 48	21 43	0 2	18 25	1 4	25 43	2 9	22 42	22 52	22 55			n.a.
S 5	9 3	1 13	5 4	1 27	3 31	3 31	0 5	12 13	1 40	8 47	1 23	6 29	2 48	21 43	0 2	18 25	1 4	25 44	2 9	22 43	22 52	22 55			n.a.
M 6	8 41	3n50	5 6	1 37	3 29	4 3	0 8	12 19	1 39	8 46	1 23	6 31	2 48	21 44	0 2	18 25	1 4	25 44	2 9	22 44	22 52	22 55			n.a.
T 7	8 18	8 48	4 51	1 51	3 26	4 34	0 11	12 25	1 39	8 44	1 23	6 33	2 48	21 44	0 2	18 26	1 4	25 44	2 10	22 45	22 53	22 55			n.a.
W 8	7 56	13 25	4 20	2 7	3 21	5 6	0 14	12 31	1 38	8 43	1 24	6 35	2 48	21 44	0 2	18 26	1 4	25 44	2 10	22 46	22 53	22 56			n.a.
T 9	7 33	17 24	3 34	2 27	3 15	5 37	0 18	12 36	1 37	8 42	1 24	6 36	2 49	21 44	0 2	18 27	1 4	25 44	2 10	22 46	22 54	22 56			n.a.
F 10	7 11	20 29	2 35	2 50	3 7	6 8	0 21	12 41	1 36	8 40	1 24	6 38	2 49	21 44	0 2	18 27	1 4	25 45	2 10	22 46	22 54	22 56			n.a.
S 11	6 48	22 22	1 25	3 15	2 57	6 39	0 24	12 47	1 35	8 39	1 24	6 40	2 49	21 44	0 2	18 27	1 4	25 45	2 10	22 46	22 54	22 56			n.a.
S 12	6 25	22 49	0 9	3 42	2 46	7 10	0 27	12 52	1 34	8 37	1 24	6 42	2 49	21 44	0 2	18 28	1 4	25 45	2 10	22 46	22 55	22 57			n.a.
M13	6 2	21 44	1n 8	4 10	2 34	7 41	0 30	12 56	1 33	8 35	1 24	6 44	2 49	21 44	0 2	18 28	1 4	25 45	2 10	22 46	22 55	22 57			n.a.
T 14	5 39	19 12	2 21	4 39	2 21	8 11	0 33	13 1	1 32	8 34	1 24	6 46	2 49	21 44	0 2	18 28	1 4	25 45	2 11	22 46	22 55	22 57			n.a.
W15	5 16	15 27	3 24	5 9	2 7	8 42	0 37	13 6	1 30	8 32	1 24	6 47	2 49	21 44	0 2	18 29	1 4	25 45	2 11	22 47	22 56	22 57			n.a.
T 16	4 53	10 48	4 14	5 39	1 52	9 12	0 40	13 10	1 29	8 30	1 25	6 49	2 49	21 44	0 2	18 29	1 4	25 46	2 11	22 48	22 56	22 57			n.a.
F 17	4 30	5 38	4 47	6 8	1 36	9 42	0 43	13 14	1 28	8 28	1 25	6 51	2 49	21 44	0 2	18 30	1 4	25 46	2 11	22 49	22 56	22 57			n.a.
S 18	4 7	0 17	5 3	6 37	1 20	10 12	0 46	13 18	1 27	8 26	1 25	6 53	2 49	21 44	0 2	18 30	1 4	25 46	2 11	22 50	22 57	22 58			n.a.
S 19	3 44	4s57	5 0	7 5	1 4	10 41	0 49	13 22	1 25	8 24	1 25	6 55	2 49	21 45	0 2	18 30	1 4	25 46	2 11	22 51	22 57	22 58			n.a.
M20	3 21	9 48	4 42	7 31	0 47	11 10	0 53	13 26	1 24	8 22	1 25	6 57	2 49	21 45	0 3	18 31	1 4	25 46	2 12	22 52	22 58	22 58			n.a.
T 21	2 57	14 6	4 9	7 56	0 31	11 39	0 56	13 30	1 23	8 20	1 25	6 58	2 49	21 45	0 3	18 31	1 4	25 47	2 12	22 53	22 58	22 58			n.a.
W22	2 34	17 39	3 26	8 19	0 15	12 8	0 59	13 33	1 21	8 18	1 25	7 0	2 49	21 44	0 3	18 31	1 4	25 47	2 12	22 54	22 58	22 58			n.a.
T 23	2 11	20 22	2 34	8 40	0s 1	12 37	1 2	13 36	1 19	8 16	1 25	7 2	2 49	21 44	0 3	18 31	1 4	25 47	2 12	22 54	22 59	22 58			n.a.
F 24	1 47	22 8	1 36	8 58	0 16	13 5	1 5	13 39	1 18	8 14	1 25	7 4	2 49	21 44	0 3	18 32	1 3	25 47	2 12	22 54	22 59	22 59			n.a.
S 25	1 24	22 55	0 35	9 14	0 31	13 32	1 8	13 42	1 16	8 12	1 25	7 5	2 49	21 44	0 3	18 32	1 3	25 47	2 12	22 54	22 59	22 59			n.a.
S 26	1 0	22 39	0s28	9 28	0 45	14 0	1 11	13 45	1 15	8 9	1 25	7 7	2 49	21 44	0 3	18 32	1 3	25 47	2 12	22 54	23 0	22 59			n.a.
M27	0 37	21 22	1 30	9 40	0 59	14 27	1 15	13 48	1 13	8 7	1 25	7 9	2 49	21 44	0 3	18 33	1 3	25 48	2 13	22 54	23 0	22 59			n.a.
T 28	0 14	19 7	2 28	9 49	1 12	14 54	1 18	13 50	1 11	8 5	1 25	7 11	2 49	21 44	0 3	18 33	1 3	25 48	2 13	22 54	23 0	22 59			n.a.
W29	0n10	15 58	3 21	9 55	1 24	15 20	1 21	13 52	1 9	8 2	1 25	7 12	2 49	21 44	0 3	18 33	1 3	25 48	2 13	22 55	23 1	22 59			n.a.
T 30	0 33	12 4	4 5	9 59	1 36	15 47	1 24	13 54	1 7	8 0	1 25	7 14	2 49	21 44	0 3	18 33	1 3	25 48	2 13	22 56	23 1	22 59			n.a.
F 31	0n57	7s33	4s37	10s 1	1s47	16n12	1n27	13s56	1n 5	7s57	1n26	7n16	2n49	21s44	0s 3	18n34	1n 3	25s48	2s13	22n57	23n 1	22s59			n.a.

Julian Day Number = 1466172.5, Delta T = 05h35m02s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'30, Lahiri = -13°36'30 Julian Calendar 1 March 699 BCE == Greg. Calendar 22 Feb. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

APRIL 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 6 37	3♈18'20	4♈46	9♓17	10♉36	9°R49	23°R28	18°R15	6°R26	11°R35	22°R54	14°R31	14♋ 2	15♑37	n.a.	S 1
S 2	12 10 34	4°16'16	18° 3	9°48	11°46	9♏47	23♎21	18♍11	6♐25	11♑35	22♐54	14♋18	13°59	15°44	n.a.	S 2
M 3	12 14 30	5°14'10	1♉34	10°22	12°56	9°45	23°14	18° 6	6°24	11°34	22°54	14° 7	13°55	15°50	n.a.	M 3
T 4	12 18 27	6°12'03	15°15	11° 1	14° 6	9°42	23° 7	18° 2	6°23	11°33	22°54	13°57	13°52	15°57	n.a.	T 4
W 5	12 22 23	7° 9'53	29° 6	11°43	15°16	9°38	23° 0	17°58	6°23	11°32	22°54	13°51	13°49	16° 4	n.a.	W 5
T 6	12 26 20	8° 7'42	13♊ 2	12°29	16°25	9°33	22°53	17°54	6°22	11°31	22°54	13°47	13°46	16°10	n.a.	T 6
F 7	12 30 16	9° 5'30	27° 4	13°19	17°35	9°28	22°46	17°50	6°21	11°31	22°54	13°45	13°43	16°17	n.a.	F 7
S 8	12 34 13	10° 3'15	11♋ 9	14°11	18°44	9°21	22°39	17°46	6°20	11°30	22°53	13°45	13°39	16°24	n.a.	S 8
S 9	12 38 9	11° 0'58	25°18	15° 7	19°54	9°15	22°31	17°42	6°19	11°29	22°53	13°45	13°36	16°30	n.a.	S 9
M10	12 42 6	11°58'40	9♌28	16° 6	21° 3	9° 7	22°24	17°38	6°18	11°29	22°53	13°44	13°33	16°37	n.a.	M10
T 11	12 46 3	12°56'20	23°38	17° 9	22°12	8°59	22°17	17°34	6°17	11°28	22°53	13°40	13°30	16°44	n.a.	T 11
W12	12 49 59	13°53'58	7♍46	18°14	23°21	8°50	22° 9	17°30	6°16	11°27	22°52	13°34	13°27	16°50	n.a.	W12
T 13	12 53 56	14°51'34	21°48	19°22	24°30	8°40	22° 2	17°26	6°14	11°27	22°52	13°24	13°24	16°57	n.a.	T 13
F 14	12 57 52	15°49'09	5♎40	20°33	25°38	8°29	21°54	17°23	6°13	11°26	22°52	13°13	13°20	17° 3	n.a.	F 14
S 15	13 1 49	16°46'43	19°17	21°46	26°47	8°18	21°47	17°19	6°12	11°26	22°51	13° 1	13°17	17°10	n.a.	S 15
S 16	13 5 45	17°44'15	2♏37	23° 2	27°55	8° 6	21°39	17°15	6°11	11°25	22°51	12°49	13°14	17°17	n.a.	S 16
M17	13 9 42	18°41'46	15°38	24°21	29° 3	7°54	21°32	17°12	6° 9	11°25	22°51	12°38	13°11	17°23	n.a.	M17
T 18	13 13 38	19°39'16	28°20	25°42	0♊12	7°40	21°24	17° 8	6° 8	11°25	22°50	12°30	13° 8	17°30	n.a.	T 18
W19	13 17 35	20°36'45	10♐43	27° 6	1°20	7°27	21°16	17° 5	6° 6	11°24	22°50	12°24	13° 5	17°37	n.a.	W19
T 20	13 21 32	21°34'13	22°50	28°32	2°28	7°12	21° 9	17° 2	6° 5	11°24	22°49	12°21	13° 1	17°43	n.a.	T 20
F 21	13 25 28	22°31'40	4♑47	0♈ 1	3°35	6°57	21° 1	16°58	6° 4	11°24	22°49	12°19	12°58	17°50	n.a.	F 21
S 22	13 29 25	23°29'06	16°36	1°32	4°43	6°42	20°53	16°55	6° 2	11°23	22°48	12°D19	12°55	17°57	n.a.	S 22
S 23	13 33 21	24°26'31	28°25	3° 6	5°50	6°25	20°46	16°52	6° 0	11°23	22°48	12°R19	12°52	18° 3	n.a.	S 23
M24	13 37 18	25°23'55	10♒18	4°41	6°58	6° 9	20°38	16°49	5°59	11°23	22°47	12°19	12°49	18°10	n.a.	M24
T 25	13 41 14	26°21'18	22°21	6°20	8° 5	5°52	20°31	16°46	5°57	11°23	22°46	12°16	12°45	18°17	n.a.	T 25
W26	13 45 11	27°18'41	4♓38	8° 1	9°12	5°34	20°23	16°43	5°55	11°22	22°46	12°11	12°42	18°23	n.a.	W26
T 27	13 49 7	28°16'02	17°12	9°44	10°19	5°16	20°16	16°40	5°54	11°22	22°45	12° 3	12°39	18°30	n.a.	T 27
F 28	13 53 4	29°13'23	0♈ 8	11°29	11°25	4°58	20° 8	16°38	5°52	11°22	22°44	11°54	12°36	18°36	n.a.	F 28
S 29	13 57 1	0♉10'43	13°24	13°17	12°32	4°39	20° 1	16°35	5°50	11°22	22°44	11°43	12°33	18°43	n.a.	S 29
S 30	14 0 57	1♉ 8'02	27♈ 1	15♈ 7	13♊38	4♏21	19♎53	16♍32	5♐48	11°D22	22♐43	11♋32	12♋30	18♑50	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n20	2s36	4s57	10s 0	1s57	16n38	1n30	13s58	1n 3	7s55	1n26	7n17	2n49	21s44	0s 3	18n34	1n 3	25s48	2s13	22n59	23n 2	23s 0		n.a.
S 2	1 43	2n34	5 0	9 57	2 6	17 3	1 32	13 59	1 1	7 52	1 26	7 19	2 49	21 44	0 3	18 34	1 3	25 48	2 14	23 0	23 2	23 0		n.a.
M 3	2 7	7 42	4 47	9 51	2 14	17 27	1 35	14 1	0 59	7 50	1 26	7 21	2 49	21 44	0 3	18 34	1 3	25 49	2 14	23 1	23 2	23 0		n.a.
T 4	2 30	12 32	4 18	9 43	2 22	17 51	1 38	14 2	0 57	7 47	1 26	7 22	2 48	21 44	0 3	18 35	1 3	25 49	2 14	23 2	23 3	23 0		n.a.
W 5	2 53	16 47	3 33	9 33	2 29	18 15	1 41	14 3	0 54	7 45	1 26	7 24	2 48	21 43	0 3	18 35	1 3	25 49	2 14	23 3	23 3	23 0		n.a.
T 6	3 16	20 8	2 35	9 21	2 35	18 38	1 44	14 3	0 52	7 42	1 26	7 25	2 48	21 43	0 3	18 35	1 3	25 49	2 14	23 3	23 3	23 0		n.a.
F 7	3 39	22 18	1 27	9 7	2 40	19 1	1 46	14 4	0 50	7 39	1 26	7 27	2 48	21 43	0 3	18 35	1 3	25 49	2 14	23 3	23 4	23 0		n.a.
S 8	4 2	23 4	0 14	8 50	2 45	19 23	1 49	14 4	0 47	7 37	1 26	7 28	2 48	21 43	0 3	18 35	1 3	25 49	2 14	23 3	23 4	23 0		n.a.
S 9	4 25	22 22	1n 1	8 32	2 49	19 45	1 52	14 5	0 45	7 34	1 26	7 30	2 48	21 43	0 3	18 36	1 3	25 49	2 15	23 3	23 4	23 0		n.a.
M10	4 48	20 15	2 12	8 11	2 52	20 6	1 54	14 5	0 42	7 31	1 26	7 31	2 48	21 43	0 3	18 36	1 3	25 50	2 15	23 4	23 5	23 0		n.a.
T 11	5 11	16 53	3 14	7 49	2 54	20 27	1 57	14 4	0 39	7 28	1 26	7 33	2 48	21 42	0 3	18 36	1 3	25 50	2 15	23 4	23 5	23 0		n.a.
W12	5 34	12 33	4 5	7 25	2 56	20 48	1 59	14 4	0 37	7 26	1 25	7 34	2 48	21 42	0 3	18 36	1 3	25 50	2 15	23 5	23 5	23 0		n.a.
T 13	5 56	7 34	4 40	6 59	2 57	21 7	2 2	14 3	0 34	7 23	1 25	7 36	2 48	21 42	0 3	18 36	1 3	25 50	2 15	23 6	23 6	23 0		n.a.
F 14	6 19	2 16	4 58	6 31	2 58	21 27	2 4	14 3	0 31	7 20	1 25	7 37	2 47	21 42	0 3	18 36	1 3	25 50	2 15	23 7	23 6	23 0		n.a.
S 15	6 41	3s 3	4 59	6 1	2 57	21 45	2 6	14 2	0 28	7 17	1 25	7 38	2 47	21 42	0 3	18 36	1 3	25 50	2 16	23 8	23 6	23 0		n.a.
S 16	7 3	8 8	4 43	5 30	2 56	22 3	2 8	14 1	0 25	7 14	1 25	7 40	2 47	21 41	0 3	18 36	1 3	25 50	2 16	23 9	23 7	23 0		n.a.
M17	7 26	12 43	4 13	4 57	2 55	22 21	2 10	14 0	0 22	7 12	1 25	7 41	2 47	21 41	0 3	18 37	1 3	25 51	2 16	23 10	23 7	23 0		n.a.
T 18	7 48	16 39	3 31	4 22	2 52	22 38	2 12	13 58	0 19	7 9	1 25	7 42	2 47	21 41	0 3	18 37	1 3	25 51	2 16	23 11	23 7	23 0		n.a.
W19	8 10	19 45	2 39	3 45	2 50	22 55	2 14	13 57	0 16	7 6	1 25	7 43	2 47	21 41	0 3	18 37	1 3	25 51	2 16	23 11	23 8	23 0		n.a.
T 20	8 31	21 54	1 41	3 7	2 46	23 10	2 16	13 55	0 13	7 3	1 25	7 45	2 47	21 41	0 3	18 37	1 3	25 51	2 16	23 12	23 8	23 0		n.a.
F 21	8 53	23 2	0 40	2 28	2 42	23 26	2 18	13 53	0 9	7 0	1 25	7 46	2 46	21 40	0 3	18 37	1 3	25 51	2 16	23 12	23 8	23 0		n.a.
S 22	9 15	23 6	0s23	1 47	2 37	23 40	2 20	13 51	0 6	6 58	1 25	7 47	2 46	21 40	0 3	18 37	1 3	25 51	2 17	23 12	23 8	23 0		n.a.
S 23	9 36	22 9	1 24	1 4	2 32	23 54	2 22	13 49	0 3	6 55	1 25	7 48	2 46	21 40	0 3	18 37	1 3	25 51	2 17	23 12	23 9	23 0		n.a.
M24	9 58	20 12	2 23	0 21	2 26	24 8	2 23	13 46	0s 1	6 52	1 25	7 49	2 46	21 39	0 3	18 37	1 3	25 51	2 17	23 12	23 9	23 0		n.a.
T 25	10 19	17 20	3 16	0n25	2 20	24 21	2 25	13 44	0 4	6 49	1 24	7 50	2 46	21 39	0 3	18 37	1 3	25 51	2 17	23 12	23 9	23 0		n.a.
W26	10 40	13 40	4 0	1 11	2 13	24 33	2 26	13 41	0 8	6 46	1 24	7 51	2 46	21 39	0 3	18 37	1 3	25 52	2 17	23 13	23 10	23 0		n.a.
T 27	11 0	9 19	4 35	1 59	2 6	24 44	2 27	13 38	0 11	6 44	1 24	7 52	2 45	21 39	0 3	18 37	1 3	25 52	2 17	23 13	23 10	23 0		n.a.
F 28	11 21	4 28	4 56	2 48	1 58	24 55	2 29	13 35	0 15	6 41	1 24	7 53	2 45	21 38	0 3	18 37	1 3	25 52	2 17	23 14	23 10	23 0		n.a.
S 29	11 42	0n44	5 2	3 38	1 49	25 6	2 30	13 32	0 18	6 38	1 24	7 54	2 45	21 38	0 3	18 37	1 3	25 52	2 18	23 15	23 11	23 0		n.a.
S 30	12n 2	6n 2	4s51	4n30	1s41	25n15	2n31	13s29	0s22	6s36	1n24	7n55	2n45	21s38	0s 3	18n37	1n 3	25s52	2s18	23n16	23n11	23s 0		n.a.

Julian Day Number = 1466203.5, Delta T = 05h35m01s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'26, Lahiri = -13°36'25 Julian Calendar 1 Apr. 699 BCE == Greg. Calendar 25 March 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

MAY 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 4 54	2♉ 5'21	10♉55	16♈59	14♊44	4°R 2	19°R46	16°R30	5°R47	11♌22	22°R42	11°R21	12♋26	18♑56	n.a.	M 1
T 2	14 8 50	3° 2'38	25° 2	18°54	15°51	3♏42	19♎39	16♍27	5♐45	11°22	22♐41	11♋13	12°23	19° 3	n.a.	T 2
W 3	14 12 47	3°59'55	9♊17	20°51	16°56	3°23	19°31	16°25	5°43	11°22	22°40	11° 7	12°20	19°10	n.a.	W 3
T 4	14 16 43	4°57'11	23°35	22°50	18° 2	3° 3	19°24	16°23	5°41	11°22	22°40	11° 3	12°17	19°16	n.a.	T 4
F 5	14 20 40	5°54'25	7♋53	24°51	19° 8	2°44	19°17	16°21	5°39	11°23	22°39	11°D 2	12°14	19°23	n.a.	F 5
S 6	14 24 36	6°51'39	22° 8	26°54	20°13	2°24	19°10	16°19	5°37	11°23	22°38	11° 2	12°11	19°30	n.a.	S 6
S 7	14 28 33	7°48'51	6♌17	28°59	21°18	2° 5	19° 3	16°17	5°35	11°23	22°37	11°R 3	12° 7	19°36	n.a.	S 7
M 8	14 32 30	8°46'03	20°20	1♉ 5	22°23	1°46	18°56	16°15	5°33	11°23	22°36	11° 2	12° 4	19°43	n.a.	M 8
T 9	14 36 26	9°43'14	4♍15	3°13	23°27	1°26	18°50	16°13	5°31	11°23	22°35	11° 0	12° 1	19°50	n.a.	T 9
W10	14 40 23	10°40'23	18° 3	5°22	24°32	1° 7	18°43	16°11	5°29	11°24	22°34	10°55	11°58	19°56	n.a.	W10
T 11	14 44 19	11°37'32	1♎40	7°32	25°36	0°49	18°36	16° 9	5°26	11°24	22°33	10°48	11°55	20° 3	n.a.	T 11
F 12	14 48 16	12°34'40	15° 7	9°43	26°40	0°30	18°30	16° 8	5°24	11°24	22°32	10°40	11°51	20°10	n.a.	F 12
S 13	14 52 12	13°31'47	28°21	11°54	27°44	0°12	18°24	16° 6	5°22	11°25	22°31	10°30	11°48	20°16	n.a.	S 13
S 14	14 56 9	14°28'54	11♏20	14° 6	28°47	29♎54	18°17	16° 5	5°20	11°25	22°30	10°20	11°45	20°23	n.a.	S 14
M15	15 0 5	15°26'01	24° 5	16°17	29°50	29°37	18°11	16° 4	5°18	11°26	22°29	10°12	11°42	20°29	n.a.	M15
T 16	15 4 2	16°23'07	6♐34	18°28	0♋53	29°20	18° 5	16° 3	5°15	11°26	22°28	10° 5	11°39	20°36	n.a.	T 16
W17	15 7 59	17°20'13	18°49	20°39	1°56	29° 3	18° 0	16° 2	5°13	11°27	22°27	10° 1	11°36	20°43	n.a.	W17
T 18	15 11 55	18°17'19	0♑52	22°48	2°58	28°48	17°54	16° 1	5°11	11°27	22°26	9°59	11°32	20°49	n.a.	T 18
F 19	15 15 52	19°14'24	12°46	24°57	4° 0	28°32	17°48	16° 0	5° 9	11°28	22°25	9°D58	11°29	20°56	n.a.	F 19
S 20	15 19 48	20°11'30	24°35	27° 4	5° 2	28°17	17°43	15°59	5° 6	11°29	22°24	9°59	11°26	21° 3	n.a.	S 20
S 21	15 23 45	21° 8'35	6♒23	29°10	6° 4	28° 3	17°37	15°58	5° 4	11°29	22°22	10° 0	11°23	21° 9	n.a.	S 21
M22	15 27 41	22° 5'41	18°17	1♊15	7° 5	27°49	17°32	15°58	5° 2	11°30	22°21	10°R 1	11°20	21°16	n.a.	M22
T 23	15 31 38	23° 2'46	0♓20	3°17	8° 6	27°36	17°27	15°57	4°59	11°31	22°20	10° 1	11°16	21°23	n.a.	T 23
W24	15 35 35	23°59'52	12°37	5°18	9° 7	27°24	17°22	15°57	4°57	11°31	22°19	9°59	11°13	21°29	n.a.	W24
T 25	15 39 31	24°56'58	25°14	7°17	10° 7	27°12	17°18	15°56	4°55	11°32	22°18	9°56	11°10	21°36	n.a.	T 25
F 26	15 43 28	25°54'04	8♈14	9°14	11° 7	27° 2	17°13	15°56	4°52	11°33	22°16	9°50	11° 7	21°43	n.a.	F 26
S 27	15 47 24	26°51'10	21°38	11° 9	12° 7	26°52	17° 8	15°56	4°50	11°34	22°15	9°44	11° 4	21°49	n.a.	S 27
S 28	15 51 21	27°48'16	5♉27	13° 3	13° 6	26°42	17° 4	15°D56	4°47	11°35	22°14	9°37	11° 1	21°56	n.a.	S 28
M29	15 55 17	28°45'22	19°37	14°54	14° 5	26°34	17° 0	15°56	4°45	11°35	22°13	9°31	10°57	22° 3	n.a.	M29
T 30	15 59 14	29°42'29	4♊ 5	16°43	15° 3	26°26	16°56	15°56	4°43	11°36	22°11	9°26	10°54	22° 9	n.a.	T 30
W31	16 3 10	0♊39'36	18♊43	18♊30	16♋ 1	26♎19	16♎52	15♍57	4♐40	11♌37	22♐10	9♋23	10♋51	22♑16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	12n22	11n 9	4s23	5n22	1s31	25n24	2n32	13s26	0s25	6s33	1n24	7n55	2n45	21s37	0s 3	18n37	1n 3	25s52	2s18	23n17	23n11	23s 0			n.a.
T 2	12 42	15 45	3 39	6 15	1 22	25 32	2 32	13 23	0 29	6 30	1 23	7 56	2 44	21 37	0 3	18 37	1 3	25 52	2 18	23 18	23 12	23 0			n.a.
W 3	13 2	19 31	2 41	7 8	1 12	25 40	2 33	13 20	0 32	6 28	1 23	7 57	2 44	21 37	0 3	18 37	1 3	25 52	2 18	23 18	23 12	23 0			n.a.
T 4	13 21	22 6	1 32	8 3	1 2	25 47	2 34	13 16	0 36	6 25	1 23	7 58	2 44	21 36	0 3	18 37	1 3	25 52	2 18	23 19	23 12	23 0			n.a.
F 5	13 41	23 16	0 17	8 58	0 51	25 53	2 34	13 13	0 40	6 23	1 23	7 58	2 44	21 36	0 3	18 37	1 3	25 52	2 18	23 19	23 12	22 59			n.a.
S 6	14 0	22 54	0n59	9 53	0 41	25 59	2 35	13 9	0 43	6 20	1 23	7 59	2 44	21 36	0 3	18 37	1 3	25 53	2 19	23 19	23 13	22 59			n.a.
S 7	14 19	21 4	2 11	10 48	0 30	26 4	2 35	13 6	0 47	6 18	1 23	8 0	2 43	21 35	0 3	18 37	1 3	25 53	2 19	23 19	23 13	22 59			n.a.
M 8	14 37	17 58	3 14	11 43	0 19	26 8	2 35	13 2	0 50	6 15	1 22	8 0	2 43	21 35	0 3	18 37	1 3	25 53	2 19	23 19	23 13	22 59			n.a.
T 9	14 56	13 53	4 5	12 38	0 9	26 12	2 35	12 59	0 54	6 13	1 22	8 1	2 43	21 35	0 3	18 36	1 3	25 53	2 19	23 19	23 14	22 59			n.a.
W10	15 14	9 5	4 41	13 32	0n 2	26 15	2 35	12 56	0 58	6 10	1 22	8 1	2 43	21 34	0 3	18 36	1 3	25 53	2 19	23 19	23 14	22 59			n.a.
T 11	15 32	3 55	5 1	14 25	0 13	26 17	2 35	12 52	1 1	6 8	1 22	8 2	2 43	21 34	0 3	18 36	1 2	25 53	2 19	23 20	23 14	22 59			n.a.
F 12	15 50	1s22	5 4	15 18	0 23	26 19	2 35	12 49	1 5	6 6	1 22	8 2	2 42	21 34	0 3	18 36	1 2	25 53	2 19	23 21	23 14	22 59			n.a.
S 13	16 7	6 31	4 50	16 9	0 33	26 20	2 34	12 46	1 8	6 3	1 21	8 2	2 42	21 33	0 3	18 36	1 2	25 53	2 20	23 21	23 15	22 59			n.a.
S 14	16 25	11 18	4 22	16 59	0 43	26 20	2 34	12 43	1 11	6 1	1 21	8 3	2 42	21 33	0 3	18 36	1 2	25 53	2 20	23 22	23 15	22 58			n.a.
M15	16 42	15 30	3 41	17 47	0 53	26 20	2 33	12 39	1 15	5 59	1 21	8 3	2 42	21 32	0 3	18 36	1 2	25 53	2 20	23 23	23 15	22 58			n.a.
T 16	16 58	18 56	2 50	18 33	1 1	26 19	2 32	12 36	1 18	5 57	1 21	8 3	2 41	21 32	0 3	18 36	1 2	25 53	2 20	23 23	23 16	22 58			n.a.
W17	17 15	21 27	1 51	19 17	1 10	26 17	2 31	12 34	1 22	5 55	1 21	8 3	2 41	21 32	0 3	18 35	1 2	25 53	2 20	23 24	23 16	22 58			n.a.
T 18	17 31	22 58	0 49	19 59	1 18	26 15	2 30	12 31	1 25	5 53	1 20	8 4	2 41	21 31	0 3	18 35	1 2	25 53	2 20	23 24	23 16	22 58			n.a.
F 19	17 47	23 24	0s15	20 39	1 25	26 12	2 29	12 28	1 28	5 51	1 20	8 4	2 41	21 31	0 3	18 35	1 2	25 54	2 20	23 24	23 16	22 58			n.a.
S 20	18 3	22 47	1 18	21 16	1 32	26 8	2 27	12 26	1 31	5 49	1 20	8 4	2 41	21 30	0 3	18 35	1 2	25 54	2 20	23 24	23 17	22 57			n.a.
S 21	18 18	21 10	2 18	21 50	1 37	26 4	2 26	12 24	1 34	5 47	1 20	8 4	2 40	21 30	0 3	18 35	1 2	25 54	2 21	23 24	23 17	22 57			n.a.
M22	18 33	18 36	3 12	22 22	1 43	25 59	2 24	12 21	1 37	5 46	1 19	8 4	2 40	21 30	0 3	18 34	1 2	25 54	2 21	23 24	23 17	22 57			n.a.
T 23	18 48	15 13	3 59	22 52	1 47	25 54	2 22	12 19	1 40	5 44	1 19	8 4	2 40	21 29	0 3	18 34	1 2	25 54	2 21	23 24	23 18	22 57			n.a.
W24	19 2	11 8	4 35	23 19	1 51	25 48	2 20	12 18	1 43	5 42	1 19	8 4	2 40	21 29	0 3	18 34	1 2	25 54	2 21	23 24	23 18	22 57			n.a.
T 25	19 16	6 29	4 59	23 43	1 54	25 41	2 18	12 16	1 46	5 41	1 19	8 4	2 39	21 28	0 3	18 34	1 2	25 54	2 21	23 24	23 18	22 56			n.a.
F 26	19 30	1 25	5 9	24 4	1 57	25 34	2 16	12 15	1 49	5 39	1 18	8 4	2 39	21 28	0 3	18 33	1 2	25 54	2 21	23 24	23 18	22 56			n.a.
S 27	19 44	3n53	5 3	24 23	1 59	25 26	2 13	12 14	1 52	5 38	1 18	8 3	2 39	21 27	0 3	18 33	1 2	25 54	2 21	23 25	23 19	22 56			n.a.
S 28	19 57	9 9	4 39	24 40	2 0	25 18	2 11	12 13	1 54	5 36	1 18	8 3	2 39	21 27	0 3	18 33	1 2	25 54	2 21	23 25	23 19	22 56			n.a.
M29	20 10	14 5	3 57	24 54	2 0	25 9	2 8	12 12	1 57	5 35	1 18	8 3	2 38	21 27	0 3	18 33	1 2	25 54	2 22	23 26	23 19	22 55			n.a.
T 30	20 22	18 19	3 0	25 6	2 0	24 59	2 5	12 11	1 59	5 33	1 17	8 3	2 38	21 26	0 3	18 32	1 2	25 54	2 22	23 26	23 19	22 55			n.a.
W31	20n35	21n28	1s50	25n15	1n59	24n49	2n 2	12s11	2s 2	5s32	1n17	8n 2	2n38	21s26	0s 3	18n32	1n 2	25s54	2s22	23n26	23n20	22s55			n.a.

Julian Day Number = 1466233.5, Delta T = 05h34m59s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'22, Lahiri = -13°36'21 Julian Calendar 1 May 699 BCE == Greg. Calendar 24 Apr. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

JUNE 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 7 7	1♊36'43	3♋26	20♊15	16♋59	26°R13	16°R49	15♍57	4°R38	11♘38	22°R 9	9°D21	10♋48	22♑22	n.a.	T 1
F 2	16 11 4	2°33'50	18° 6	21°58	17°57	26♎ 8	16♎45	15°57	4♐35	11°39	22♐ 7	9♋21	10°45	22°29	n.a.	F 2
S 3	16 15 0	3°30'57	2♘39	23°39	18°53	26° 3	16°42	15°58	4°33	11°40	22° 6	9°23	10°42	22°36	n.a.	S 3
S 4	16 18 57	4°28'03	16°59	25°17	19°50	26° 0	16°39	15°59	4°30	11°42	22° 5	9°24	10°38	22°42	n.a.	S 4
M 5	16 22 53	5°25'10	1♍ 6	26°54	20°46	25°57	16°36	15°59	4°28	11°43	22° 3	9°R25	10°35	22°49	n.a.	M 5
T 6	16 26 50	6°22'17	14°57	28°29	21°41	25°55	16°33	16° 0	4°26	11°44	22° 2	9°25	10°32	22°56	n.a.	T 6
W 7	16 30 46	7°19'23	28°33	0♋ 1	22°36	25°54	16°30	16° 1	4°23	11°45	22° 1	9°23	10°29	23° 2	n.a.	W 7
T 8	16 34 43	8°16'30	11♎54	1°32	23°31	25°D54	16°28	16° 2	4°21	11°46	21°59	9°20	10°26	23° 9	n.a.	T 8
F 9	16 38 39	9°13'37	25° 0	3° 0	24°24	25°55	16°26	16° 3	4°18	11°47	21°58	9°16	10°22	23°16	n.a.	F 9
S 10	16 42 36	10°10'44	7♏52	4°26	25°18	25°56	16°24	16° 5	4°16	11°49	21°56	9°11	10°19	23°22	n.a.	S 10
S 11	16 46 33	11° 7'51	20°31	5°51	26°10	25°59	16°22	16° 6	4°14	11°50	21°55	9° 7	10°16	23°29	n.a.	S 11
M12	16 50 29	12° 4'59	2♐57	7°12	27° 3	26° 2	16°20	16° 7	4°11	11°51	21°54	9° 3	10°13	23°36	n.a.	M12
T 13	16 54 26	13° 2'08	15°12	8°32	27°54	26° 6	16°18	16° 9	4° 9	11°52	21°52	9° 0	10°10	23°42	n.a.	T 13
W14	16 58 22	13°59'17	27°17	9°49	28°45	26°11	16°17	16°11	4° 6	11°54	21°51	8°58	10° 7	23°49	n.a.	W14
T 15	17 2 19	14°56'26	9♑13	11° 4	29°35	26°16	16°16	16°12	4° 4	11°55	21°49	8°D58	10° 3	23°56	n.a.	T 15
F 16	17 6 15	15°53'37	21° 4	12°17	0♒25	26°23	16°15	16°14	4° 2	11°57	21°48	8°58	10° 0	24° 2	n.a.	F 16
S 17	17 10 12	16°50'48	2♓51	13°27	1°13	26°30	16°14	16°16	3°59	11°58	21°47	8°59	9°57	24° 9	n.a.	S 17
S 18	17 14 9	17°48'00	14°40	14°35	2° 1	26°38	16°13	16°18	3°57	11°59	21°45	9° 1	9°54	24°16	n.a.	S 18
M19	17 18 5	18°45'13	26°33	15°40	2°49	26°46	16°13	16°20	3°55	12° 1	21°44	9° 2	9°51	24°22	n.a.	M19
T 20	17 22 2	19°42'27	8♈36	16°42	3°35	26°56	16°13	16°22	3°52	12° 2	21°42	9° 3	9°48	24°29	n.a.	T 20
W21	17 25 58	20°39'42	20°53	17°41	4°21	27° 6	16°D13	16°25	3°50	12° 4	21°41	9°R 4	9°44	24°35	n.a.	W21
T 22	17 29 55	21°36'58	3♉28	18°38	5° 5	27°17	16°13	16°27	3°48	12° 5	21°39	9° 3	9°41	24°42	n.a.	T 22
F 23	17 33 51	22°34'16	16°26	19°31	5°49	27°29	16°13	16°29	3°45	12° 7	21°38	9° 2	9°38	24°49	n.a.	F 23
S 24	17 37 48	23°31'34	29°48	20°21	6°32	27°41	16°13	16°32	3°43	12° 9	21°37	9° 1	9°35	24°55	n.a.	S 24
S 25	17 41 44	24°28'54	13♉38	21° 8	7°14	27°54	16°14	16°35	3°41	12°10	21°35	8°59	9°32	25° 2	n.a.	S 25
M26	17 45 41	25°26'15	27°53	21°52	7°55	28° 8	16°15	16°37	3°39	12°12	21°34	8°57	9°28	25° 9	n.a.	M26
T 27	17 49 38	26°23'37	12♊30	22°32	8°35	28°22	16°16	16°40	3°37	12°14	21°32	8°56	9°25	25°15	n.a.	T 27
W28	17 53 34	27°21'00	27°23	23° 7	9°14	28°37	16°17	16°43	3°34	12°15	21°31	8°55	9°22	25°22	n.a.	W28
T 29	17 57 31	28°18'24	12♋25	23°39	9°52	28°53	16°18	16°46	3°32	12°17	21°29	8°D55	9°19	25°29	n.a.	T 29
F 30	18 1 27	29♊15'49	27♋27	24♋ 7	10♒28	29♎ 9	16♎20	16♍49	3♐30	12♘19	21♐28	8♋55	9♋16	25♑35	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n47	23n12	0s32	25n22	1n58	24n39	1n59	12s11	2s 4	5s31	1n17	8n 2	2n38	21s25	0s 3	18n32	1n 2	25s54	2s22	23n27	23n20	22s55		n.a.
F 2	20 58	23 19	0n48	25 27	1 55	24 28	1 55	12 11	2 7	5 30	1 16	8 2	2 37	21 25	0 3	18 31	1 2	25 54	2 22	23 27	23 20	22 54		n.a.
S 3	21 9	21 51	2 4	25 30	1 53	24 16	1 52	12 12	2 9	5 29	1 16	8 1	2 37	21 24	0 3	18 31	1 2	25 54	2 22	23 27	23 20	22 54		n.a.
S 4	21 20	19 0	3 11	25 31	1 49	24 4	1 48	12 13	2 11	5 28	1 16	8 1	2 37	21 24	0 3	18 31	1 2	25 54	2 22	23 26	23 21	22 54		n.a.
M 5	21 31	15 3	4 6	25 30	1 45	23 52	1 44	12 13	2 13	5 27	1 16	8 0	2 37	21 23	0 3	18 30	1 2	25 54	2 22	23 26	23 21	22 54		n.a.
T 6	21 41	10 22	4 45	25 27	1 41	23 39	1 40	12 15	2 15	5 26	1 15	7 59	2 36	21 23	0 3	18 30	1 2	25 54	2 22	23 26	23 21	22 53		n.a.
W 7	21 50	5 16	5 7	25 23	1 36	23 25	1 35	12 16	2 17	5 26	1 15	7 59	2 36	21 23	0 3	18 30	1 2	25 54	2 23	23 26	23 21	22 53		n.a.
T 8	22 0	0 1	5 12	25 17	1 31	23 12	1 31	12 18	2 19	5 25	1 15	7 58	2 36	21 22	0 3	18 29	1 2	25 54	2 23	23 27	23 22	22 53		n.a.
F 9	22 9	5s 9	5 1	25 9	1 25	22 57	1 26	12 20	2 21	5 24	1 14	7 58	2 36	21 22	0 3	18 29	1 2	25 54	2 23	23 27	23 22	22 53		n.a.
S 10	22 17	10 0	4 35	25 0	1 18	22 43	1 21	12 22	2 23	5 24	1 14	7 57	2 35	21 21	0 3	18 29	1 2	25 54	2 23	23 27	23 22	22 52		n.a.
S 11	22 26	14 21	3 55	24 50	1 11	22 28	1 16	12 25	2 25	5 23	1 14	7 56	2 35	21 21	0 3	18 28	1 2	25 54	2 23	23 28	23 23	22 52		n.a.
M12	22 34	18 1	3 5	24 38	1 4	22 12	1 11	12 27	2 26	5 23	1 14	7 55	2 35	21 20	0 3	18 28	1 2	25 54	2 23	23 28	23 23	22 52		n.a.
T 13	22 41	20 50	2 7	24 25	0 56	21 57	1 6	12 30	2 28	5 23	1 13	7 54	2 35	21 20	0 3	18 28	1 2	25 54	2 23	23 28	23 23	22 51		n.a.
W14	22 48	22 41	1 4	24 12	0 47	21 41	1 0	12 34	2 29	5 22	1 13	7 54	2 34	21 19	0 3	18 27	1 2	25 54	2 23	23 28	23 23	22 51		n.a.
T 15	22 55	23 29	0s 1	23 57	0 38	21 24	0 54	12 37	2 31	5 22	1 13	7 53	2 34	21 19	0 3	18 27	1 2	25 54	2 23	23 28	23 23	22 51		n.a.
F 16	23 1	23 12	1 6	23 41	0 29	21 8	0 48	12 41	2 32	5 22	1 12	7 52	2 34	21 19	0 3	18 26	1 2	25 54	2 23	23 28	23 24	22 50		n.a.
S 17	23 7	21 52	2 8	23 25	0 20	20 51	0 42	12 45	2 34	5 22	1 12	7 51	2 34	21 18	0 3	18 26	1 2	25 54	2 24	23 28	23 24	22 50		n.a.
S 18	23 13	19 36	3 5	23 8	0 10	20 34	0 35	12 49	2 35	5 22	1 12	7 50	2 33	21 18	0 3	18 25	1 2	25 54	2 24	23 28	23 24	22 50		n.a.
M19	23 18	16 29	3 54	22 50	0s 1	20 16	0 28	12 53	2 37	5 22	1 11	7 49	2 33	21 17	0 4	18 25	1 2	25 54	2 24	23 28	23 24	22 49		n.a.
T 20	23 22	12 40	4 33	22 32	0 12	19 58	0 21	12 58	2 38	5 22	1 11	7 48	2 33	21 17	0 4	18 25	1 2	25 54	2 24	23 28	23 25	22 49		n.a.
W21	23 27	8 15	5 1	22 13	0 23	19 41	0 14	13 3	2 39	5 22	1 11	7 46	2 33	21 16	0 4	18 24	1 2	25 54	2 24	23 28	23 25	22 49		n.a.
T 22	23 31	3 24	5 15	21 54	0 34	19 23	0 7	13 8	2 40	5 23	1 11	7 45	2 32	21 16	0 4	18 24	1 2	25 54	2 24	23 28	23 25	22 48		n.a.
F 23	23 34	1n44	5 14	21 35	0 46	19 4	0s 1	13 13	2 41	5 23	1 10	7 44	2 32	21 16	0 4	18 23	1 2	25 54	2 24	23 28	23 25	22 48		n.a.
S 24	23 37	6 57	4 56	21 16	0 58	18 46	0 9	13 19	2 42	5 24	1 10	7 43	2 32	21 15	0 4	18 23	1 2	25 54	2 24	23 28	23 26	22 47		n.a.
S 25	23 40	12 1	4 21	20 57	1 10	18 27	0 17	13 24	2 43	5 24	1 10	7 42	2 32	21 15	0 4	18 22	1 2	25 54	2 24	23 28	23 26	22 47		n.a.
M26	23 42	16 35	3 28	20 37	1 22	18 9	0 25	13 30	2 44	5 25	1 9	7 40	2 32	21 14	0 4	18 22	1 2	25 54	2 24	23 28	23 26	22 47		n.a.
T 27	23 44	20 17	2 21	20 19	1 35	17 50	0 33	13 36	2 45	5 25	1 9	7 39	2 31	21 14	0 4	18 21	1 2	25 54	2 24	23 28	23 26	22 46		n.a.
W28	23 45	22 42	1 4	20 0	1 47	17 31	0 42	13 43	2 46	5 26	1 9	7 38	2 31	21 13	0 4	18 21	1 2	25 54	2 25	23 28	23 27	22 46		n.a.
T 29	23 46	23 31	0n19	19 42	2 0	17 13	0 51	13 49	2 47	5 27	1 9	7 36	2 31	21 13	0 4	18 20	1 2	25 54	2 25	23 28	23 27	22 45		n.a.
F 30	23n47	22n37	1n41	19n24	2s13	16n54	1s 0	13s56	2s47	5s28	1n 8	7n35	2n31	21s13	0s 4	18n20	1n 2	25s54	2s25	23n28	23n27	22s45		n.a.

Julian Day Number = 1466264.5, Delta T = 05h34m58s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'18, Lahiri = -13°36'17 Julian Calendar 1 June 699 BCE == Greg. Calendar 25 May 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

JULY 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 5 24	0♋13'16	12♌20	24♋30	11♌ 4	29♎26	16♎22	16♍52	3°R28	12♌20	21°R27	8♋56	9♋13	25♉42	n.a.	S 1
S 2	18 9 20	1°10'43	26°58	24°49	11°38	29°44	16°24	16°56	3♐26	12°22	21♐25	8°57	9° 9	25°49	n.a.	S 2
M 3	18 13 17	2° 8'10	11♍17	25° 3	12°11	0♏ 2	16°26	16°59	3°24	12°24	21°24	8°57	9° 6	25°55	n.a.	M 3
T 4	18 17 13	3° 5'39	25°14	25°12	12°42	0°21	16°28	17° 2	3°22	12°26	21°22	8°57	9° 3	26° 2	n.a.	T 4
W 5	18 21 10	4° 3'09	8♎48	25°R16	13°12	0°41	16°31	17° 6	3°20	12°28	21°21	8°R57	9° 0	26° 9	n.a.	W 5
T 6	18 25 7	5° 0'39	22° 1	25°15	13°41	1° 1	16°33	17° 9	3°18	12°29	21°20	8°57	8°57	26°15	n.a.	T 6
F 7	18 29 3	5°58'11	4♏55	25° 8	14° 8	1°21	16°36	17°13	3°16	12°31	21°18	8°57	8°54	26°22	n.a.	F 7
S 8	18 33 0	6°55'44	17°31	24°56	14°33	1°43	16°39	17°17	3°14	12°33	21°17	8°57	8°50	26°29	n.a.	S 8
S 9	18 36 56	7°53'18	29°54	24°38	14°57	2° 4	16°42	17°21	3°12	12°35	21°16	8°56	8°47	26°35	n.a.	S 9
M10	18 40 53	8°50'53	12♐ 6	24°15	15°19	2°27	16°45	17°24	3°11	12°37	21°14	8°D56	8°44	26°42	n.a.	M10
T 11	18 44 49	9°48'29	24° 8	23°46	15°39	2°49	16°49	17°28	3° 9	12°39	21°13	8°56	8°41	26°49	n.a.	T 11
W12	18 48 46	10°46'07	6♑ 3	23°13	15°58	3°13	16°53	17°32	3° 7	12°41	21°12	8°R57	8°38	26°55	n.a.	W12
T 13	18 52 42	11°43'46	17°54	22°35	16°14	3°36	16°56	17°37	3° 5	12°43	21°10	8°56	8°34	27° 2	n.a.	T 13
F 14	18 56 39	12°41'27	29°42	21°52	16°29	4° 1	17° 0	17°41	3° 4	12°45	21° 9	8°56	8°31	27° 9	n.a.	F 14
S 15	19 0 36	13°39'09	11♒30	21° 6	16°41	4°25	17° 5	17°45	3° 2	12°47	21° 8	8°56	8°28	27°15	n.a.	S 15
S 16	19 4 32	14°36'53	23°21	20°17	16°52	4°50	17° 9	17°49	3° 0	12°49	21° 6	8°55	8°25	27°22	n.a.	S 16
M17	19 8 29	15°34'38	5♓17	19°26	17° 0	5°16	17°13	17°54	2°59	12°51	21° 5	8°54	8°22	27°28	n.a.	M17
T 18	19 12 25	16°32'25	17°22	18°33	17° 7	5°42	17°18	17°58	2°57	12°53	21° 4	8°53	8°19	27°35	n.a.	T 18
W19	19 16 22	17°30'14	29°39	17°40	17°11	6° 9	17°23	18° 3	2°56	12°55	21° 3	8°53	8°15	27°42	n.a.	W19
T 20	19 20 18	18°28'05	12♈13	16°48	17°R13	6°35	17°28	18° 8	2°54	12°57	21° 1	8°52	8°12	27°48	n.a.	T 20
F 21	19 24 15	19°25'58	25° 6	15°58	17°12	7° 3	17°33	18°12	2°53	12°59	21° 0	8°D52	8° 9	27°55	n.a.	F 21
S 22	19 28 11	20°23'53	8♉22	15°11	17° 9	7°31	17°38	18°17	2°52	13° 1	20°59	8°53	8° 6	28° 2	n.a.	S 22
S 23	19 32 8	21°21'50	22° 4	14°28	17° 4	7°59	17°44	18°22	2°50	13° 3	20°58	8°54	8° 3	28° 8	n.a.	S 23
M24	19 36 5	22°19'49	6♊12	13°50	16°57	8°27	17°49	18°27	2°49	13° 5	20°57	8°55	8° 0	28°15	n.a.	M24
T 25	19 40 1	23°17'50	20°45	13°17	16°47	8°56	17°55	18°32	2°48	13° 7	20°55	8°56	7°56	28°22	n.a.	T 25
W26	19 43 58	24°15'53	5♋39	12°51	16°35	9°25	18° 1	18°37	2°46	13°10	20°54	8°R56	7°53	28°28	n.a.	W26
T 27	19 47 54	25°13'57	20°46	12°33	16°20	9°55	18° 7	18°42	2°45	13°12	20°53	8°56	7°50	28°35	n.a.	T 27
F 28	19 51 51	26°12'04	5♌59	12°22	16° 4	10°25	18°13	18°47	2°44	13°14	20°52	8°55	7°47	28°42	n.a.	F 28
S 29	19 55 47	27°10'12	21° 7	12°D20	15°45	10°56	18°20	18°52	2°43	13°16	20°51	8°53	7°44	28°48	n.a.	S 29
S 30	19 59 44	28° 8'22	6♍ 1	12°25	15°23	11°26	18°26	18°58	2°42	13°18	20°50	8°50	7°40	28°55	n.a.	S 30
M31	20 3 40	29♋ 6'33	20♍35	12♋40	15♌ 0	11♏57	18♎33	19♍ 3	2♐41	13♌20	20♐49	8♋48	7♋37	29♉ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n47	20n 8	2n55	19n 8	2s26	16n35	1s10	14s 3	2s48	5s29	1n 8	7n33	2n30	21s12	0s 4	18n19	1n 1	25s54	2s25	23n28	23n27	22s45		n.a.	S 1
S 2	23 46	16 23	3 56	18 52	2 39	16 16	1 19	14 10	2 49	5 30	1 8	7 32	2 30	21 12	0 4	18 19	1 1	25 54	2 25	23 28	23 27	22 44		n.a.	S 2
M 3	23 46	11 46	4 41	18 37	2 52	15 58	1 29	14 17	2 49	5 31	1 7	7 30	2 30	21 12	0 4	18 18	1 1	25 54	2 25	23 28	23 28	22 44		n.a.	M 3
T 4	23 45	6 38	5 9	18 23	3 4	15 39	1 39	14 24	2 50	5 32	1 7	7 29	2 30	21 11	0 4	18 18	1 1	25 54	2 25	23 28	23 28	22 43		n.a.	T 4
W 5	23 43	1 19	5 18	18 10	3 16	15 20	1 50	14 32	2 51	5 33	1 7	7 27	2 29	21 11	0 4	18 17	1 1	25 54	2 25	23 28	23 28	22 43		n.a.	W 5
T 6	23 41	3s55	5 9	17 59	3 28	15 2	2 0	14 39	2 51	5 35	1 6	7 26	2 29	21 10	0 4	18 17	1 1	25 54	2 25	23 28	23 28	22 42		n.a.	T 6
F 7	23 39	8 51	4 46	17 49	3 39	14 44	2 11	14 47	2 52	5 36	1 6	7 24	2 29	21 10	0 4	18 16	1 1	25 54	2 25	23 28	23 29	22 42		n.a.	F 7
S 8	23 36	13 20	4 9	17 40	3 50	14 26	2 22	14 55	2 52	5 37	1 6	7 22	2 29	21 10	0 4	18 16	1 1	25 54	2 25	23 28	23 29	22 41		n.a.	S 8
S 9	23 32	17 9	3 20	17 34	4 0	14 8	2 34	15 3	2 53	5 39	1 6	7 21	2 29	21 9	0 4	18 15	1 1	25 54	2 25	23 28	23 29	22 41		n.a.	S 9
M10	23 29	20 11	2 24	17 29	4 9	13 51	2 45	15 12	2 53	5 40	1 5	7 19	2 28	21 9	0 4	18 14	1 1	25 54	2 25	23 28	23 29	22 40		n.a.	M10
T 11	23 25	22 17	1 21	17 26	4 17	13 33	2 57	15 20	2 53	5 42	1 5	7 17	2 28	21 9	0 4	18 14	1 1	25 54	2 26	23 28	23 29	22 40		n.a.	T 11
W12	23 20	23 22	0 16	17 25	4 24	13 16	3 9	15 28	2 54	5 44	1 5	7 15	2 28	21 8	0 4	18 13	1 1	25 54	2 26	23 28	23 30	22 39		n.a.	W12
T 13	23 15	23 23	0s50	17 26	4 29	13 0	3 21	15 37	2 54	5 45	1 4	7 13	2 28	21 8	0 4	18 13	1 1	25 54	2 26	23 28	23 30	22 39		n.a.	T 13
F 14	23 10	22 20	1 53	17 29	4 33	12 44	3 33	15 46	2 54	5 47	1 4	7 12	2 28	21 8	0 4	18 12	1 1	25 54	2 26	23 28	23 30	22 38		n.a.	F 14
S 15	23 4	20 19	2 51	17 34	4 35	12 28	3 46	15 54	2 55	5 49	1 4	7 10	2 27	21 7	0 4	18 12	1 1	25 54	2 26	23 28	23 30	22 38		n.a.	S 15
S 16	22 58	17 25	3 42	17 40	4 36	12 13	3 59	16 3	2 55	5 51	1 4	7 8	2 27	21 7	0 4	18 11	1 1	25 54	2 26	23 28	23 30	22 37		n.a.	S 16
M17	22 51	13 47	4 24	17 49	4 35	11 58	4 11	16 12	2 55	5 53	1 3	7 6	2 27	21 7	0 4	18 10	1 1	25 54	2 26	23 28	23 31	22 37		n.a.	M17
T 18	22 44	9 34	4 55	18 0	4 31	11 44	4 24	16 21	2 55	5 55	1 3	7 4	2 27	21 6	0 4	18 10	1 1	25 54	2 26	23 29	23 31	22 36		n.a.	T 18
W19	22 37	4 55	5 13	18 12	4 26	11 30	4 37	16 30	2 55	5 57	1 3	7 2	2 27	21 6	0 4	18 9	1 1	25 54	2 26	23 29	23 31	22 36		n.a.	W19
T 20	22 29	0n 3	5 17	18 25	4 19	11 17	4 50	16 40	2 55	5 59	1 2	7 0	2 26	21 6	0 4	18 9	1 1	25 54	2 26	23 29	23 31	22 35		n.a.	T 20
F 21	22 21	5 8	5 5	18 40	4 10	11 5	5 3	16 49	2 55	6 2	1 2	6 58	2 26	21 6	0 4	18 8	1 1	25 54	2 26	23 29	23 31	22 35		n.a.	F 21
S 22	22 12	10 8	4 36	18 56	4 0	10 53	5 17	16 58	2 55	6 4	1 2	6 56	2 26	21 5	0 4	18 7	1 1	25 54	2 26	23 29	23 32	22 34		n.a.	S 22
S 23	22 3	14 49	3 52	19 13	3 48	10 42	5 30	17 8	2 55	6 6	1 2	6 54	2 26	21 5	0 4	18 7	1 1	25 54	2 26	23 29	23 32	22 34		n.a.	S 23
M24	21 54	18 50	2 52	19 30	3 34	10 32	5 43	17 17	2 55	6 9	1 1	6 52	2 26	21 5	0 4	18 6	1 1	25 54	2 26	23 28	23 32	22 33		n.a.	M24
T 25	21 44	21 48	1 39	19 48	3 19	10 23	5 56	17 27	2 55	6 11	1 1	6 49	2 26	21 5	0 4	18 6	1 1	25 54	2 26	23 28	23 32	22 33		n.a.	T 25
W26	21 34	23 21	0 18	20 7	3 3	10 14	6 9	17 36	2 55	6 14	1 1	6 47	2 25	21 4	0 4	18 5	1 1	25 54	2 26	23 28	23 32	22 32		n.a.	W26
T 27	21 23	23 13	1n 5	20 25	2 46	10 6	6 21	17 46	2 55	6 16	1 1	6 45	2 25	21 4	0 4	18 4	1 1	25 54	2 26	23 28	23 33	22 31		n.a.	T 27
F 28	21 13	21 22	2 24	20 43	2 29	9 59	6 34	17 55	2 55	6 19	1 0	6 43	2 25	21 4	0 4	18 4	1 1	25 54	2 26	23 28	23 33	22 31		n.a.	F 28
S 29	21 1	18 1	3 33	21 1	2 11	9 53	6 46	18 5	2 55	6 22	1 0	6 41	2 25	21 4	0 4	18 3	1 1	25 54	2 27	23 29	23 33	22 30		n.a.	S 29
S 30	20 50	13 32	4 25	21 18	1 53	9 48	6 57	18 15	2 55	6 24	1 0	6 38	2 25	21 3	0 4	18 3	1 1	25 54	2 27	23 29	23 33	22 30		n.a.	S 30
M31	20n38	8n22	5n 0	21n35	1s36	9n44	7s 9	18s24	2s55	6s27	1n 0	6n36	2n24	21s 3	0s 4	18n 2	1n 1	25s54	2s27	23n29	23n33	22s29		n.a.	M31

Julian Day Number = 1466294.5, Delta T = 05h34m56s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'13, Lahiri = -13°36'13 Julian Calendar 1 July 699 BCE == Greg. Calendar 24 June 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

AUGUST 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 7 37	0♌ 4'46	4♎42	13♋ 3	14°R34	12♏29	18♎40	19♍ 8	2°R40	13♌22	20°R48	8°R46	7♋34	29♉ 8	n.a.	T 1
W 2	20 11 34	1° 3'01	18°22	13°34	14♌ 7	13° 1	18°47	19°14	2♐39	13°25	20♐47	8♋44	7°31	29°15	n.a.	W 2
T 3	20 15 30	2° 1'17	1♏36	14°14	13°38	13°33	18°54	19°19	2°38	13°27	20°46	8°D44	7°28	29°22	n.a.	T 3
F 4	20 19 27	2°59'35	14°26	15° 1	13° 7	14° 5	19° 1	19°25	2°37	13°29	20°45	8°44	7°25	29°28	n.a.	F 4
S 5	20 23 23	3°57'55	26°56	15°57	12°34	14°38	19° 8	19°31	2°37	13°31	20°44	8°45	7°21	29°35	n.a.	S 5
S 6	20 27 20	4°56'17	9♐ 9	16°59	12° 1	15°11	19°16	19°36	2°36	13°33	20°43	8°47	7°18	29°42	n.a.	S 6
M 7	20 31 16	5°54'40	21°11	18° 9	11°26	15°44	19°23	19°42	2°35	13°36	20°42	8°49	7°15	29°48	n.a.	M 7
T 8	20 35 13	6°53'05	3♑ 5	19°24	10°50	16°18	19°31	19°48	2°35	13°38	20°41	8°R50	7°12	29°55	n.a.	T 8
W 9	20 39 9	7°51'32	14°55	20°46	10°14	16°51	19°39	19°54	2°34	13°40	20°40	8°50	7° 9	0♒ 2	n.a.	W 9
T 10	20 43 6	8°50'00	26°43	22°12	9°37	17°26	19°47	20° 0	2°34	13°42	20°39	8°48	7° 6	0° 8	n.a.	T 10
F 11	20 47 3	9°48'31	8♒31	23°44	9° 0	18° 0	19°55	20° 6	2°33	13°45	20°38	8°45	7° 2	0°15	n.a.	F 11
S 12	20 50 59	10°47'04	20°24	25°19	8°23	18°34	20° 3	20°12	2°33	13°47	20°38	8°41	6°59	0°22	n.a.	S 12
S 13	20 54 56	11°45'39	2♓21	26°58	7°47	19° 9	20°12	20°18	2°32	13°49	20°37	8°35	6°56	0°28	n.a.	S 13
M14	20 58 52	12°44'16	14°24	28°40	7°11	19°44	20°20	20°24	2°32	13°51	20°36	8°29	6°53	0°35	n.a.	M14
T 15	21 2 49	13°42'55	26°37	0♌24	6°36	20°20	20°29	20°30	2°32	13°54	20°35	8°23	6°50	0°41	n.a.	T 15
W16	21 6 45	14°41'36	9♈ 0	2°10	6° 2	20°55	20°38	20°36	2°32	13°56	20°35	8°18	6°46	0°48	n.a.	W16
T 17	21 10 42	15°40'20	21°36	3°58	5°29	21°31	20°47	20°42	2°31	13°58	20°34	8°14	6°43	0°55	n.a.	T 17
F 18	21 14 38	16°39'06	4♉29	5°47	4°57	22° 7	20°56	20°49	2°31	14° 0	20°33	8°11	6°40	1° 1	n.a.	F 18
S 19	21 18 35	17°37'54	17°40	7°37	4°28	22°43	21° 5	20°55	2°31	14° 2	20°33	8°D11	6°37	1° 8	n.a.	S 19
S 20	21 22 31	18°36'45	1♊12	9°28	4° 0	23°20	21°14	21° 1	2°D31	14° 5	20°32	8°11	6°34	1°15	n.a.	S 20
M21	21 26 28	19°35'39	15° 7	11°18	3°33	23°57	21°23	21° 8	2°31	14° 7	20°31	8°12	6°31	1°21	n.a.	M21
T 22	21 30 25	20°34'35	29°26	13° 9	3° 9	24°34	21°33	21°14	2°31	14° 9	20°31	8°14	6°27	1°28	n.a.	T 22
W23	21 34 21	21°33'33	14♋ 7	15° 0	2°47	25°11	21°42	21°21	2°31	14°11	20°30	8°R14	6°24	1°35	n.a.	W23
T 24	21 38 18	22°32'34	29° 4	16°50	2°28	25°48	21°52	21°27	2°32	14°14	20°30	8°12	6°21	1°41	n.a.	T 24
F 25	21 42 14	23°31'37	14♌12	18°40	2°10	26°25	22° 2	21°34	2°32	14°16	20°29	8° 8	6°18	1°48	n.a.	F 25
S 26	21 46 11	24°30'42	29°21	20°30	1°55	27° 3	22°11	21°40	2°32	14°18	20°29	8° 3	6°15	1°55	n.a.	S 26
S 27	21 50 7	25°29'49	14♍21	22°19	1°42	27°41	22°21	21°47	2°32	14°20	20°29	7°56	6°12	2° 1	n.a.	S 27
M28	21 54 4	26°28'58	29° 2	24° 7	1°32	28°19	22°32	21°53	2°33	14°22	20°28	7°48	6° 8	2° 8	n.a.	M28
T 29	21 58 0	27°28'10	13♎19	25°54	1°24	28°57	22°42	22° 0	2°33	14°25	20°28	7°41	6° 5	2°15	n.a.	T 29
W30	22 1 57	28°27'23	27° 7	27°41	1°19	29°36	22°52	22° 7	2°34	14°27	20°27	7°35	6° 2	2°21	n.a.	W30
T 31	22 5 54	29♌26'38	10♏26	29♌27	1♌16	0♐15	23♎ 2	22♍14	2♐34	14♌29	20♐27	7♋31	5♋59	2♒28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n25	2n54	5n15	21n50	1s18	9n41	7s20	18s34	2s55	6s30	0n59	6n34	2n24	21s 3	0s 4	18n 1	1n 1	25s54	2s27	23n29	23n34	22s28			n.a.
W 2	20 13	2s31	5 11	22 5	1 0	9 39	7 30	18 44	2 54	6 33	0 59	6 32	2 24	21 3	0 4	18 1	1 1	25 54	2 27	23 29	23 34	22 28			n.a.
T 3	19 59	7 39	4 51	22 17	0 43	9 37	7 40	18 53	2 54	6 36	0 59	6 29	2 24	21 3	0 4	18 0	1 1	25 53	2 27	23 29	23 34	22 27			n.a.
F 4	19 46	12 19	4 16	22 28	0 27	9 37	7 49	19 3	2 54	6 39	0 59	6 27	2 24	21 3	0 4	17 59	1 1	25 53	2 27	23 29	23 34	22 27			n.a.
S 5	19 32	16 20	3 31	22 37	0 11	9 38	7 58	19 13	2 54	6 42	0 58	6 24	2 24	21 2	0 4	17 59	1 1	25 53	2 27	23 29	23 34	22 26			n.a.
S 6	19 18	19 34	2 36	22 44	0n 4	9 40	8 6	19 23	2 53	6 45	0 58	6 22	2 24	21 2	0 4	17 58	1 1	25 53	2 27	23 29	23 34	22 25			n.a.
M 7	19 4	21 54	1 36	22 49	0 18	9 42	8 13	19 32	2 53	6 48	0 58	6 20	2 23	21 2	0 4	17 57	1 1	25 53	2 27	23 29	23 35	22 25			n.a.
T 8	18 49	23 13	0 32	22 51	0 31	9 46	8 19	19 42	2 53	6 51	0 58	6 17	2 23	21 2	0 4	17 57	1 1	25 53	2 27	23 29	23 35	22 24			n.a.
W 9	18 34	23 29	0s33	22 51	0 43	9 50	8 24	19 52	2 52	6 55	0 57	6 15	2 23	21 2	0 4	17 56	1 1	25 53	2 27	23 29	23 35	22 23			n.a.
T 10	18 18	22 41	1 37	22 48	0 54	9 55	8 29	20 1	2 52	6 58	0 57	6 12	2 23	21 2	0 4	17 56	1 1	25 53	2 27	23 29	23 35	22 23			n.a.
F 11	18 3	20 53	2 36	22 42	1 4	10 1	8 32	20 11	2 52	7 1	0 57	6 10	2 23	21 2	0 4	17 55	1 1	25 53	2 27	23 29	23 35	22 22			n.a.
S 12	17 47	18 10	3 28	22 34	1 13	10 8	8 35	20 20	2 51	7 5	0 57	6 7	2 23	21 2	0 4	17 54	1 1	25 53	2 27	23 29	23 36	22 21			n.a.
S 13	17 30	14 41	4 12	22 23	1 21	10 16	8 36	20 30	2 51	7 8	0 56	6 5	2 23	21 2	0 4	17 54	1 1	25 53	2 27	23 30	23 36	22 21			n.a.
M14	17 14	10 35	4 44	22 9	1 28	10 24	8 37	20 39	2 50	7 11	0 56	6 2	2 22	21 2	0 4	17 53	1 1	25 53	2 27	23 30	23 36	22 20			n.a.
T 15	16 57	6 1	5 5	21 52	1 34	10 33	8 37	20 48	2 50	7 15	0 56	6 0	2 22	21 2	0 4	17 52	1 1	25 53	2 27	23 31	23 36	22 19			n.a.
W16	16 39	1 8	5 11	21 33	1 39	10 42	8 36	20 58	2 50	7 18	0 56	5 57	2 22	21 2	0 4	17 52	1 1	25 53	2 27	23 31	23 36	22 19			n.a.
T 17	16 22	3n52	5 3	21 12	1 43	10 52	8 34	21 7	2 49	7 22	0 56	5 54	2 22	21 1	0 4	17 51	1 1	25 53	2 27	23 31	23 36	22 18			n.a.
F 18	16 4	8 49	4 39	20 48	1 46	11 2	8 31	21 16	2 49	7 26	0 55	5 52	2 22	21 1	0 4	17 50	1 1	25 53	2 27	23 31	23 37	22 17			n.a.
S 19	15 46	13 30	4 0	20 22	1 48	11 12	8 27	21 25	2 48	7 29	0 55	5 49	2 22	21 1	0 4	17 50	1 1	25 53	2 27	23 31	23 37	22 17			n.a.
S 20	15 28	17 38	3 7	19 54	1 50	11 23	8 23	21 34	2 48	7 33	0 55	5 46	2 22	21 1	0 4	17 49	1 2	25 53	2 27	23 31	23 37	22 16			n.a.
M21	15 9	20 55	2 2	19 24	1 51	11 34	8 18	21 43	2 47	7 37	0 55	5 44	2 22	21 1	0 4	17 48	1 2	25 53	2 27	23 31	23 37	22 15			n.a.
T 22	14 50	22 59	0 48	18 52	1 51	11 45	8 12	21 52	2 47	7 41	0 54	5 41	2 22	21 2	0 4	17 48	1 2	25 53	2 27	23 31	23 37	22 14			n.a.
W23	14 31	23 33	0n32	18 19	1 50	11 56	8 5	22 1	2 46	7 44	0 54	5 38	2 22	21 2	0 4	17 47	1 2	25 53	2 27	23 31	23 37	22 14			n.a.
T 24	14 12	22 26	1 50	17 45	1 49	12 7	7 58	22 9	2 45	7 48	0 54	5 36	2 21	21 2	0 4	17 47	1 2	25 53	2 27	23 31	23 37	22 13			n.a.
F 25	13 52	19 42	3 2	17 9	1 47	12 19	7 51	22 18	2 45	7 52	0 54	5 33	2 21	21 2	0 4	17 46	1 2	25 53	2 27	23 31	23 38	22 12			n.a.
S 26	13 32	15 37	4 1	16 31	1 45	12 30	7 42	22 26	2 44	7 56	0 54	5 30	2 21	21 2	0 4	17 45	1 2	25 53	2 27	23 32	23 38	22 11			n.a.
S 27	13 12	10 34	4 42	15 53	1 43	12 41	7 34	22 35	2 44	8 0	0 53	5 28	2 21	21 2	0 4	17 45	1 2	25 53	2 27	23 32	23 38	22 11			n.a.
M28	12 52	5 2	5 4	15 14	1 39	12 52	7 25	22 43	2 43	8 4	0 53	5 25	2 21	21 2	0 4	17 44	1 2	25 53	2 27	23 33	23 38	22 10			n.a.
T 29	12 31	0s38	5 6	14 34	1 36	13 3	7 16	22 51	2 42	8 8	0 53	5 22	2 21	21 2	0 4	17 43	1 2	25 53	2 28	23 33	23 38	22 9			n.a.
W30	12 11	6 5	4 50	13 53	1 32	13 14	7 6	22 59	2 42	8 12	0 53	5 19	2 21	21 2	0 4	17 43	1 2	25 53	2 28	23 34	23 38	22 8			n.a.
T 31	11n50	11s 4	4n19	13n12	1n28	13n24	6s56	23s 7	2s41	8s16	0n53	5n17	2n21	21s 2	0s 4	17n42	1n 2	25s53	2s28	23n34	23n39	22s 8			n.a.

Julian Day Number = 1466325.5, Delta T = 05h34m54s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'09, Lahiri = -13°36'09 Julian Calendar 1 Aug. 699 BCE == Greg. Calendar 25 July 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

SEPTEMBER 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 9 50	0♍25'55	23♏18	1♍12	1°D15	0♐53	23♎13	22♍20	2♐35	14♑31	20°R27	7°R29	5♋56	2♒35	n.a.	F 1
S 2	22 13 47	1°25'14	5♐47	2°57	1♑17	1°32	23°23	22°27	2°36	14°33	20♐27	7°D29	5°52	2°41	n.a.	S 2
S 3	22 17 43	2°24'35	17°59	4°41	1°21	2°11	23°34	22°34	2°36	14°35	20°26	7♋30	5°49	2°48	n.a.	S 3
M 4	22 21 40	3°23'58	29°57	6°23	1°27	2°51	23°45	22°41	2°37	14°38	20°26	7°31	5°46	2°55	n.a.	M 4
T 5	22 25 36	4°23'22	11♑47	8° 6	1°35	3°30	23°56	22°48	2°38	14°40	20°26	7°R31	5°43	3° 1	n.a.	T 5
W 6	22 29 33	5°22'49	23°35	9°47	1°46	4°10	24° 7	22°55	2°39	14°42	20°26	7°29	5°40	3° 8	n.a.	W 6
T 7	22 33 29	6°22'18	5♒23	11°27	1°59	4°49	24°18	23° 2	2°40	14°44	20°26	7°26	5°37	3°15	n.a.	T 7
F 8	22 37 26	7°21'49	17°15	13° 7	2°14	5°29	24°29	23° 8	2°41	14°46	20°26	7°19	5°33	3°21	n.a.	F 8
S 9	22 41 23	8°21'21	29°14	14°46	2°31	6° 9	24°40	23°15	2°42	14°48	20°26	7°10	5°30	3°28	n.a.	S 9
S 10	22 45 19	9°20'56	11♓21	16°25	2°50	6°49	24°51	23°22	2°43	14°50	20°25	6°59	5°27	3°35	n.a.	S 10
M11	22 49 16	10°20'33	23°37	18° 2	3°11	7°29	25° 3	23°29	2°44	14°52	20°D25	6°48	5°24	3°41	n.a.	M11
T 12	22 53 12	11°20'12	6♈ 4	19°39	3°33	8°10	25°14	23°36	2°45	14°54	20°26	6°36	5°21	3°48	n.a.	T 12
W13	22 57 9	12°19'54	18°41	21°16	3°58	8°50	25°25	23°43	2°46	14°56	20°26	6°25	5°17	3°55	n.a.	W13
T 14	23 1 5	13°19'37	1♉29	22°51	4°24	9°31	25°37	23°50	2°47	14°58	20°26	6°16	5°14	4° 1	n.a.	T 14
F 15	23 5 2	14°19'23	14°29	24°26	4°52	10°12	25°49	23°58	2°49	15° 0	20°26	6°10	5°11	4° 8	n.a.	F 15
S 16	23 8 58	15°19'12	27°43	26° 1	5°21	10°52	26° 0	24° 5	2°50	15° 2	20°26	6° 6	5° 8	4°15	n.a.	S 16
S 17	23 12 55	16°19'03	11♊13	27°35	5°52	11°33	26°12	24°12	2°51	15° 4	20°26	6°D 5	5° 5	4°21	n.a.	S 17
M18	23 16 51	17°18'56	24°59	29° 8	6°25	12°14	26°24	24°19	2°53	15° 6	20°26	6° 5	5° 2	4°28	n.a.	M18
T 19	23 20 48	18°18'52	9♋ 2	0♎40	6°59	12°56	26°36	24°26	2°54	15° 8	20°27	6°R 5	4°58	4°35	n.a.	T 19
W20	23 24 45	19°18'50	23°24	2°12	7°34	13°37	26°48	24°33	2°56	15°10	20°27	6° 4	4°55	4°41	n.a.	W20
T 21	23 28 41	20°18'50	8♌ 1	3°44	8°11	14°18	27° 0	24°40	2°57	15°12	20°27	6° 1	4°52	4°48	n.a.	T 21
F 22	23 32 38	21°18'53	22°49	5°15	8°49	15° 0	27°12	24°47	2°59	15°14	20°27	5°55	4°49	4°55	n.a.	F 22
S 23	23 36 34	22°18'58	7♍42	6°45	9°29	15°41	27°24	24°54	3° 1	15°16	20°28	5°46	4°46	5° 1	n.a.	S 23
S 24	23 40 31	23°19'05	22°30	8°15	10° 9	16°23	27°37	25° 1	3° 3	15°18	20°28	5°35	4°43	5° 8	n.a.	S 24
M25	23 44 27	24°19'13	7♎ 5	9°45	10°51	17° 5	27°49	25° 9	3° 4	15°20	20°29	5°23	4°39	5°15	n.a.	M25
T 26	23 48 24	25°19'24	21°21	11°13	11°34	17°46	28° 1	25°16	3° 6	15°21	20°29	5°11	4°36	5°21	n.a.	T 26
W27	23 52 20	26°19'37	5♏11	12°41	12°17	18°28	28°14	25°23	3° 8	15°23	20°29	5° 1	4°33	5°28	n.a.	W27
T 28	23 56 17	27°19'51	18°33	14° 9	13° 2	19°10	28°26	25°30	3°10	15°25	20°30	4°54	4°30	5°35	n.a.	T 28
F 29	0 0 13	28°20'07	1♐29	15°36	13°48	19°53	28°39	25°37	3°12	15°27	20°30	4°49	4°27	5°41	n.a.	F 29
S 30	0 4 10	29♍20'25	14♐ 1	17♎ 2	14♑35	20♐35	28♎52	25♍44	3♐14	15♑28	20♐31	4♋47	4♋23	5♒48	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n29	15s24	3n35	12n30	1n23	13n34	6s46	23s14	2s40	8s20	0n52	5n14	2n21	21s 2	0s 4	17n41	1n 2	25s53	2s28	23n34	23n39	22s 7		n.a.
S 2	11 7	18 55	2 42	11 47	1 18	13 44	6 35	23 22	2 40	8 24	0 52	5 11	2 21	21 2	0 4	17 41	1 2	25 53	2 28	23 34	23 39	22 6		n.a.
S 3	10 46	21 31	1 43	11 4	1 13	13 53	6 25	23 29	2 39	8 28	0 52	5 8	2 21	21 3	0 4	17 40	1 2	25 53	2 28	23 34	23 39	22 5		n.a.
M 4	10 24	23 6	0 41	10 21	1 8	14 2	6 14	23 37	2 38	8 33	0 52	5 5	2 21	21 3	0 4	17 40	1 2	25 53	2 28	23 34	23 39	22 4		n.a.
T 5	10 2	23 38	0s23	9 37	1 3	14 11	6 3	23 44	2 38	8 37	0 52	5 3	2 20	21 3	0 4	17 39	1 2	25 53	2 28	23 34	23 39	22 4		n.a.
W 6	9 40	23 5	1 25	8 53	0 57	14 19	5 52	23 51	2 37	8 41	0 51	5 0	2 20	21 3	0 4	17 38	1 2	25 53	2 28	23 34	23 39	22 3		n.a.
T 7	9 18	21 30	2 23	8 9	0 51	14 27	5 41	23 57	2 36	8 45	0 51	4 57	2 20	21 3	0 4	17 38	1 2	25 53	2 28	23 34	23 40	22 2		n.a.
F 8	8 56	18 59	3 16	7 25	0 45	14 35	5 30	24 4	2 35	8 50	0 51	4 54	2 20	21 3	0 4	17 37	1 2	25 53	2 28	23 34	23 40	22 1		n.a.
S 9	8 33	15 38	4 0	6 40	0 39	14 42	5 19	24 11	2 35	8 54	0 51	4 51	2 20	21 4	0 4	17 37	1 2	25 53	2 28	23 35	23 40	22 0		n.a.
S 10	8 11	11 37	4 33	5 56	0 32	14 48	5 8	24 17	2 34	8 58	0 51	4 48	2 20	21 4	0 4	17 36	1 2	25 53	2 28	23 36	23 40	21 59		n.a.
M11	7 48	7 4	4 55	5 11	0 26	14 54	4 58	24 23	2 33	9 3	0 51	4 46	2 20	21 4	0 4	17 35	1 2	25 53	2 28	23 36	23 40	21 59		n.a.
T 12	7 25	2 11	5 3	4 27	0 19	14 59	4 47	24 29	2 32	9 7	0 50	4 43	2 20	21 4	0 4	17 35	1 2	25 53	2 28	23 37	23 40	21 58		n.a.
W13	7 2	2n52	4 56	3 42	0 13	15 4	4 36	24 35	2 31	9 11	0 50	4 40	2 20	21 5	0 4	17 34	1 2	25 53	2 28	23 37	23 40	21 57		n.a.
T 14	6 39	7 52	4 34	2 58	0 6	15 9	4 25	24 40	2 31	9 16	0 50	4 37	2 20	21 5	0 4	17 34	1 2	25 53	2 28	23 38	23 40	21 56		n.a.
F 15	6 15	12 37	3 58	2 14	0s 1	15 12	4 14	24 46	2 30	9 20	0 50	4 34	2 20	21 5	0 4	17 33	1 2	25 53	2 28	23 38	23 41	21 55		n.a.
S 16	5 52	16 52	3 9	1 30	0 7	15 16	4 4	24 51	2 29	9 25	0 50	4 31	2 20	21 5	0 4	17 32	1 2	25 53	2 28	23 38	23 41	21 54		n.a.
S 17	5 28	20 20	2 8	0 46	0 14	15 18	3 53	24 56	2 28	9 29	0 50	4 28	2 20	21 6	0 4	17 32	1 2	25 53	2 28	23 38	23 41	21 53		n.a.
M18	5 5	22 42	0 59	0 2	0 21	15 21	3 43	25 1	2 27	9 34	0 49	4 26	2 20	21 6	0 4	17 31	1 2	25 53	2 28	23 38	23 41	21 52		n.a.
T 19	4 41	23 44	0n16	0s42	0 28	15 22	3 32	25 5	2 26	9 38	0 49	4 23	2 20	21 6	0 4	17 31	1 2	25 53	2 28	23 38	23 41	21 52		n.a.
W20	4 17	23 12	1 31	1 25	0 35	15 23	3 22	25 10	2 25	9 43	0 49	4 20	2 20	21 7	0 4	17 30	1 2	25 53	2 28	23 38	23 41	21 51		n.a.
T 21	3 53	21 6	2 41	2 8	0 41	15 23	3 12	25 14	2 25	9 47	0 49	4 17	2 20	21 7	0 4	17 30	1 2	25 53	2 28	23 38	23 41	21 50		n.a.
F 22	3 29	17 34	3 41	2 51	0 48	15 23	3 2	25 18	2 24	9 52	0 49	4 14	2 20	21 7	0 4	17 29	1 2	25 53	2 28	23 39	23 41	21 49		n.a.
S 23	3 5	12 54	4 26	3 33	0 55	15 22	2 52	25 22	2 23	9 57	0 49	4 11	2 20	21 8	0 4	17 29	1 2	25 53	2 28	23 39	23 42	21 48		n.a.
S 24	2 41	7 30	4 53	4 15	1 1	15 21	2 43	25 25	2 22	10 1	0 48	4 8	2 20	21 8	0 4	17 28	1 2	25 53	2 28	23 40	23 42	21 47		n.a.
M25	2 17	1 44	5 1	4 57	1 8	15 18	2 33	25 29	2 21	10 6	0 48	4 6	2 20	21 8	0 4	17 28	1 2	25 53	2 28	23 40	23 42	21 46		n.a.
T 26	1 53	3s59	4 49	5 38	1 14	15 16	2 24	25 32	2 20	10 10	0 48	4 3	2 20	21 9	0 4	17 27	1 2	25 53	2 28	23 41	23 42	21 45		n.a.
W27	1 29	9 20	4 21	6 19	1 21	15 12	2 14	25 35	2 19	10 15	0 48	4 0	2 20	21 9	0 4	17 27	1 2	25 54	2 28	23 41	23 42	21 44		n.a.
T 28	1 5	14 5	3 39	6 59	1 27	15 8	2 5	25 38	2 18	10 20	0 48	3 57	2 20	21 9	0 4	17 26	1 2	25 54	2 28	23 41	23 42	21 43		n.a.
F 29	0 40	18 2	2 46	7 39	1 33	15 4	1 56	25 40	2 17	10 24	0 48	3 54	2 20	21 10	0 4	17 26	1 2	25 54	2 28	23 41	23 42	21 42		n.a.
S 30	0n16	21s 2	1n48	8s18	1s39	14n59	1s47	25s42	2s16	10s29	0n48	3n51	2n20	21s10	0s 4	17n25	1n 3	25s54	2s28	23n41	23n42	21s41		n.a.

Julian Day Number = 1466356.5, Delta T = 05h34m53s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'05, Lahiri = -13°36'05 Julian Calendar 1 Sept. 699 BCE == Greg. Calendar 25 Aug. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

OCTOBER 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 8 7	0♎20'44	26♐14	18♎28	15♌22	21♐17	29♎ 4	25♍51	3♐16	15♌30	20♐32	4°R46	4♋20	5♒55	n.a.	S 1
M 2	0 12 3	1°21'05	8♑13	19°53	16°11	21°59	29°17	25°58	3°18	15°32	20°32	4♋46	4°17	6° 1	n.a.	M 2
T 3	0 16 0	2°21'27	20° 4	21°17	17° 0	22°42	29°30	26° 6	3°20	15°34	20°33	4°45	4°14	6° 8	n.a.	T 3
W 4	0 19 56	3°21'52	1♒51	22°41	17°51	23°24	29°43	26°13	3°22	15°35	20°34	4°43	4°11	6°15	n.a.	W 4
T 5	0 23 53	4°22'17	13°41	24° 3	18°42	24° 7	29°55	26°20	3°25	15°37	20°34	4°39	4° 8	6°21	n.a.	T 5
F 6	0 27 49	5°22'44	25°37	25°25	19°33	24°49	0♏ 8	26°27	3°27	15°38	20°35	4°31	4° 4	6°28	n.a.	F 6
S 7	0 31 46	6°23'13	7♓43	26°45	20°26	25°32	0°21	26°34	3°29	15°40	20°36	4°21	4° 1	6°35	n.a.	S 7
S 8	0 35 42	7°23'44	20° 1	28° 5	21°19	26°15	0°34	26°41	3°32	15°42	20°36	4° 8	3°58	6°41	n.a.	S 8
M 9	0 39 39	8°24'15	2♈32	29°23	22°13	26°58	0°47	26°48	3°34	15°43	20°37	3°54	3°55	6°48	n.a.	M 9
T 10	0 43 36	9°24'49	15°16	0♏40	23° 8	27°41	1° 0	26°55	3°36	15°45	20°38	3°40	3°52	6°55	n.a.	T 10
W11	0 47 32	10°25'24	28°13	1°55	24° 3	28°23	1°13	27° 2	3°39	15°46	20°39	3°27	3°48	7° 1	n.a.	W11
T 12	0 51 29	11°26'01	11♉22	3° 8	24°59	29° 6	1°27	27° 9	3°41	15°47	20°40	3°17	3°45	7° 8	n.a.	T 12
F 13	0 55 25	12°26'40	24°41	4°20	25°55	29°49	1°40	27°16	3°44	15°49	20°41	3° 9	3°42	7°15	n.a.	F 13
S 14	0 59 22	13°27'21	8♊10	5°29	26°52	0♑32	1°53	27°23	3°46	15°50	20°42	3° 4	3°39	7°21	n.a.	S 14
S 15	1 3 18	14°28'03	21°49	6°35	27°50	1°16	2° 6	27°30	3°49	15°52	20°43	3° 2	3°36	7°28	n.a.	S 15
M16	1 7 15	15°28'48	5♋37	7°39	28°48	1°59	2°19	27°37	3°52	15°53	20°44	3°D 2	3°33	7°35	n.a.	M16
T 17	1 11 11	16°29'34	19°35	8°39	29°47	2°42	2°33	27°44	3°54	15°54	20°45	3°R 2	3°29	7°41	n.a.	T 17
W18	1 15 8	17°30'22	3♌43	9°36	0♍46	3°25	2°46	27°51	3°57	15°56	20°46	3° 1	3°26	7°48	n.a.	W18
T 19	1 19 5	18°31'12	17°59	10°28	1°46	4° 8	3° 0	27°57	4° 0	15°57	20°47	2°58	3°23	7°55	n.a.	T 19
F 20	1 23 1	19°32'03	2♍23	11°16	2°46	4°52	3°13	28° 4	4° 3	15°58	20°48	2°53	3°20	8° 1	n.a.	F 20
S 21	1 26 58	20°32'56	16°49	11°58	3°47	5°35	3°26	28°11	4° 5	15°59	20°49	2°44	3°17	8° 8	n.a.	S 21
S 22	1 30 54	21°33'50	1♎12	12°34	4°48	6°18	3°40	28°18	4° 8	16° 0	20°50	2°34	3°14	8°15	n.a.	S 22
M23	1 34 51	22°34'46	15°26	13° 4	5°49	7° 2	3°53	28°25	4°11	16° 2	20°51	2°22	3°10	8°21	n.a.	M23
T 24	1 38 47	23°35'43	29°25	13°25	6°51	7°45	4° 7	28°31	4°14	16° 3	20°53	2°10	3° 7	8°28	n.a.	T 24
W25	1 42 44	24°36'41	13♏ 5	13°39	7°53	8°29	4°20	28°38	4°17	16° 4	20°54	2° 0	3° 4	8°35	n.a.	W25
T 26	1 46 40	25°37'41	26°22	13°R43	8°56	9°12	4°34	28°45	4°20	16° 5	20°55	1°53	3° 1	8°41	n.a.	T 26
F 27	1 50 37	26°38'41	9♐16	13°37	9°59	9°56	4°47	28°51	4°23	16° 6	20°56	1°48	2°58	8°48	n.a.	F 27
S 28	1 54 34	27°39'43	21°49	13°21	11° 2	10°40	5° 1	28°58	4°26	16° 7	20°58	1°45	2°54	8°55	n.a.	S 28
S 29	1 58 30	28°40'45	4♑ 3	12°53	12° 6	11°23	5°15	29° 4	4°29	16° 8	20°59	1°D45	2°51	9° 1	n.a.	S 29
M30	2 2 27	29°41'49	16° 4	12°15	13°10	12° 7	5°28	29°11	4°32	16° 9	21° 0	1°45	2°48	9° 8	n.a.	M30
T 31	2 6 23	0♏42'53	27♑56	11♏25	14♍15	12♑51	5♏42	29♍17	4♐35	16♌10	21♐ 2	1°R46	2♋45	9♒15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	0s 8	22s58	0n45	8s57	1s45	14n53	1s39	25s44	2s15	10s34	0n47	3n48	2n20	21s11	0s 4	17n25	1n 3	25s54	2s28	23n42	23n42	21s40			n.a.
M 2	0 33	23 49	0s18	9 35	1 51	14 47	1 30	25 46	2 15	10 38	0 47	3 46	2 20	21 11	0 4	17 24	1 3	25 54	2 28	23 42	23 43	21 39			n.a.
T 3	0 57	23 35	1 20	10 12	1 56	14 40	1 22	25 48	2 14	10 43	0 47	3 43	2 20	21 11	0 4	17 24	1 3	25 54	2 28	23 42	23 43	21 38			n.a.
W 4	1 21	22 16	2 18	10 49	2 1	14 32	1 14	25 49	2 13	10 48	0 47	3 40	2 20	21 12	0 4	17 23	1 3	25 54	2 28	23 42	23 43	21 37			n.a.
T 5	1 46	19 59	3 10	11 25	2 6	14 24	1 6	25 50	2 12	10 52	0 47	3 37	2 20	21 12	0 4	17 23	1 3	25 54	2 28	23 42	23 43	21 36			n.a.
F 6	2 10	16 50	3 54	12 0	2 11	14 15	0 58	25 51	2 11	10 57	0 47	3 34	2 20	21 13	0 4	17 22	1 3	25 54	2 28	23 42	23 43	21 35			n.a.
S 7	2 34	12 56	4 29	12 34	2 16	14 6	0 50	25 52	2 10	11 2	0 47	3 31	2 20	21 13	0 4	17 22	1 3	25 54	2 28	23 42	23 43	21 34			n.a.
S 8	2 59	8 27	4 51	13 7	2 20	13 56	0 42	25 52	2 9	11 7	0 46	3 29	2 20	21 14	0 4	17 21	1 3	25 54	2 28	23 43	23 43	21 33			n.a.
M 9	3 23	3 33	5 0	13 39	2 24	13 45	0 35	25 52	2 8	11 11	0 46	3 26	2 20	21 14	0 4	17 21	1 3	25 54	2 28	23 43	23 43	21 32			n.a.
T 10	3 47	1n35	4 54	14 9	2 27	13 34	0 28	25 52	2 7	11 16	0 46	3 23	2 20	21 15	0 4	17 21	1 3	25 54	2 28	23 44	23 43	21 31			n.a.
W11	4 11	6 45	4 33	14 39	2 30	13 22	0 21	25 52	2 6	11 21	0 46	3 20	2 21	21 15	0 4	17 20	1 3	25 54	2 28	23 44	23 43	21 30			n.a.
T 12	4 35	11 42	3 57	15 7	2 33	13 10	0 14	25 51	2 5	11 25	0 46	3 18	2 21	21 16	0 4	17 20	1 3	25 55	2 28	23 44	23 44	21 29			n.a.
F 13	4 59	16 10	3 8	15 34	2 35	12 57	0 7	25 51	2 4	11 30	0 46	3 15	2 21	21 16	0 4	17 19	1 3	25 55	2 28	23 44	23 44	21 28			n.a.
S 14	5 23	19 53	2 7	15 59	2 37	12 44	0 0	25 50	2 3	11 35	0 46	3 12	2 21	21 16	0 4	17 19	1 3	25 55	2 28	23 45	23 44	21 27			n.a.
S 15	5 47	22 32	0 59	16 23	2 38	12 30	0n 6	25 48	2 2	11 40	0 46	3 9	2 21	21 17	0 4	17 19	1 3	25 55	2 28	23 45	23 44	21 26			n.a.
M16	6 11	23 53	0n14	16 45	2 38	12 15	0 13	25 47	2 1	11 44	0 45	3 7	2 21	21 18	0 4	17 18	1 3	25 55	2 28	23 45	23 44	21 25			n.a.
T 17	6 34	23 45	1 26	17 4	2 38	12 0	0 19	25 45	2 0	11 49	0 45	3 4	2 21	21 18	0 4	17 18	1 3	25 55	2 28	23 45	23 44	21 24			n.a.
W18	6 58	22 6	2 35	17 22	2 37	11 45	0 25	25 43	1 59	11 54	0 45	3 1	2 21	21 19	0 4	17 18	1 3	25 55	2 28	23 45	23 44	21 23			n.a.
T 19	7 21	19 3	3 34	17 37	2 35	11 29	0 31	25 40	1 58	11 59	0 45	2 59	2 21	21 19	0 4	17 17	1 3	25 55	2 28	23 45	23 44	21 22			n.a.
F 20	7 45	14 49	4 21	17 49	2 32	11 12	0 37	25 38	1 57	12 3	0 45	2 56	2 21	21 20	0 4	17 17	1 3	25 55	2 28	23 45	23 44	21 21			n.a.
S 21	8 8	9 43	4 50	17 59	2 28	10 55	0 42	25 35	1 56	12 8	0 45	2 53	2 21	21 20	0 4	17 17	1 3	25 55	2 28	23 45	23 44	21 20			n.a.
S 22	8 31	4 7	5 2	18 6	2 23	10 37	0 48	25 32	1 55	12 13	0 45	2 51	2 21	21 21	0 4	17 16	1 3	25 55	2 28	23 45	23 44	21 19			n.a.
M23	8 54	1s39	4 54	18 9	2 17	10 19	0 53	25 29	1 54	12 18	0 45	2 48	2 21	21 21	0 4	17 16	1 3	25 56	2 28	23 45	23 44	21 18			n.a.
T 24	9 17	7 14	4 29	18 8	2 9	10 1	0 58	25 25	1 53	12 22	0 45	2 45	2 22	21 22	0 4	17 16	1 3	25 56	2 28	23 46	23 45	21 17			n.a.
W25	9 40	12 21	3 49	18 4	2 0	9 42	1 3	25 22	1 52	12 27	0 45	2 43	2 22	21 22	0 4	17 15	1 4	25 56	2 28	23 46	23 45	21 16			n.a.
T 26	10 3	16 45	2 57	17 55	1 50	9 22	1 8	25 18	1 51	12 32	0 44	2 40	2 22	21 23	0 4	17 15	1 4	25 56	2 29	23 46	23 45	21 14			n.a.
F 27	10 25	20 14	1 57	17 42	1 38	9 3	1 12	25 13	1 50	12 36	0 44	2 38	2 22	21 23	0 4	17 15	1 4	25 56	2 29	23 46	23 45	21 13			n.a.
S 28	10 47	22 39	0 53	17 24	1 24	8 42	1 17	25 9	1 48	12 41	0 44	2 35	2 22	21 24	0 4	17 15	1 4	25 56	2 29	23 46	23 45	21 12			n.a.
S 29	11 9	23 55	0s12	17 1	1 9	8 22	1 21	25 4	1 47	12 46	0 44	2 33	2 22	21 25	0 4	17 14	1 4	25 56	2 29	23 46	23 45	21 11			n.a.
M30	11 31	24 3	1 16	16 33	0 52	8 1	1 25	24 59	1 46	12 50	0 44	2 30	2 22	21 25	0 4	17 14	1 4	25 56	2 29	23 46	23 45	21 10			n.a.
T 31	11s53	23s 5	2s15	16s 0	0s34	7n39	1n29	24s54	1s45	12s55	0n44	2n28	2n22	21s26	0s 4	17n14	1n 4	25s57	2s29	23n46	23n45	21s 9			n.a.

Julian Day Number = 1466386.5, Delta T = 05h34m51s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°43'01, Lahiri = -13°36'00 Julian Calendar 1 Oct. 699 BCE == Greg. Calendar 24 Sept. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

NOVEMBER 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 10 20	1♏43'58	9♒45	10°R26	15♍19	13♑34	5♏55	29♍24	4♐38	16♎10	21♐ 3	1°R46	2♋42	9♒21	n.a.	W 1
T 2	2 14 16	2°45'03	21°36	9♏17	16°24	14°18	6° 9	29°30	4°42	16°11	21° 4	1♋43	2°39	9°28	n.a.	T 2
F 3	2 18 13	3°46'09	3♓34	8° 1	17°30	15° 2	6°23	29°36	4°45	16°12	21° 6	1°39	2°35	9°35	n.a.	F 3
S 4	2 22 9	4°47'16	15°44	6°40	18°35	15°46	6°36	29°43	4°48	16°13	21° 7	1°32	2°32	9°41	n.a.	S 4
S 5	2 26 6	5°48'23	28° 9	5°18	19°41	16°29	6°50	29°49	4°51	16°13	21° 9	1°23	2°29	9°48	n.a.	S 5
M 6	2 30 3	6°49'31	10♈51	3°55	20°47	17°13	7° 3	29°55	4°54	16°14	21°10	1°13	2°26	9°55	n.a.	M 6
T 7	2 33 59	7°50'40	23°51	2°37	21°53	17°57	7°17	0♎ 1	4°58	16°15	21°12	1° 3	2°23	10° 1	n.a.	T 7
W 8	2 37 56	8°51'49	7♉ 8	1°24	23° 0	18°41	7°31	0° 7	5° 1	16°15	21°13	0°54	2°20	10° 8	n.a.	W 8
T 9	2 41 52	9°52'59	20°41	0°19	24° 7	19°25	7°44	0°13	5° 4	16°16	21°15	0°46	2°16	10°15	n.a.	T 9
F 10	2 45 49	10°54'10	4♊26	29♎23	25°14	20° 8	7°58	0°19	5° 8	16°17	21°16	0°41	2°13	10°21	n.a.	F 10
S 11	2 49 45	11°55'22	18°20	28°38	26°21	20°52	8°12	0°25	5°11	16°17	21°18	0°38	2°10	10°28	n.a.	S 11
S 12	2 53 42	12°56'34	2♋21	28° 4	27°29	21°36	8°25	0°31	5°14	16°18	21°20	0°D37	2° 7	10°35	n.a.	S 12
M13	2 57 38	13°57'47	16°26	27°42	28°37	22°20	8°39	0°37	5°18	16°18	21°21	0°38	2° 4	10°41	n.a.	M13
T 14	3 1 35	14°59'02	0♌33	27°30	29°45	23° 4	8°53	0°43	5°21	16°18	21°23	0°39	2° 0	10°48	n.a.	T 14
W15	3 5 32	16° 0'16	14°41	27°D28	0♎53	23°48	9° 6	0°48	5°25	16°19	21°24	0°R40	1°57	10°55	n.a.	W15
T 16	3 9 28	17° 1'32	28°48	27°36	2° 1	24°31	9°20	0°54	5°28	16°19	21°26	0°39	1°54	11° 2	n.a.	T 16
F 17	3 13 25	18° 2'48	12♍53	27°53	3°10	25°15	9°33	1° 0	5°32	16°20	21°28	0°37	1°51	11° 8	n.a.	F 17
S 18	3 17 21	19° 4'05	26°54	28°18	4°19	25°59	9°47	1° 5	5°35	16°20	21°29	0°32	1°48	11°15	n.a.	S 18
S 19	3 21 18	20° 5'22	10♎48	28°51	5°28	26°43	10° 1	1°11	5°39	16°20	21°31	0°26	1°45	11°22	n.a.	S 19
M20	3 25 14	21° 6'40	24°33	29°29	6°37	27°27	10°14	1°16	5°42	16°20	21°33	0°19	1°41	11°28	n.a.	M20
T 21	3 29 11	22° 7'58	8♏ 6	0♏14	7°46	28°11	10°28	1°22	5°46	16°20	21°35	0°13	1°38	11°35	n.a.	T 21
W22	3 33 8	23° 9'16	21°24	1° 4	8°56	28°55	10°41	1°27	5°49	16°21	21°36	0° 7	1°35	11°42	n.a.	W22
T 23	3 37 4	24°10'35	4♐25	1°58	10° 5	29°38	10°55	1°32	5°53	16°21	21°38	0° 2	1°32	11°48	n.a.	T 23
F 24	3 41 1	25°11'54	17° 9	2°56	11°15	0♒22	11° 8	1°37	5°56	16°21	21°40	29♊59	1°29	11°55	n.a.	F 24
S 25	3 44 57	26°13'13	29°36	3°58	12°25	1° 6	11°22	1°42	6° 0	16°21	21°42	29°D59	1°25	12° 2	n.a.	S 25
S 26	3 48 54	27°14'31	11♑48	5° 3	13°35	1°50	11°35	1°47	6° 3	16°R21	21°44	29°59	1°22	12° 8	n.a.	S 26
M27	3 52 50	28°15'50	23°49	6°10	14°45	2°34	11°48	1°52	6° 7	16°21	21°45	0♋ 1	1°19	12°15	n.a.	M27
T 28	3 56 47	29°17'08	5♒42	7°21	15°55	3°18	12° 2	1°57	6°10	16°21	21°47	0° 3	1°16	12°22	n.a.	T 28
W29	4 0 43	0♐18'26	17°31	8°33	17° 6	4° 1	12°15	2° 2	6°14	16°21	21°49	0° 4	1°13	12°28	n.a.	W29
T 30	4 4 40	1♐19'43	29♒22	9♏47	18♎16	4♒45	12♏28	2♎ 7	6♐18	16♎20	21♐51	0°R 5	1♋10	12♒35	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s15	21s 5	3s 9	15s23	0s15	7n17	1n33	24s48	1s44	13s 0	0n44	2n25	2n22	21s26	0s 4	17n14	1n 4	25s57	2s29	23n46	23n45	21s 8		n.a.
T 2	12 36	18 11	3 54	14 42	0n 6	6 55	1 37	24 43	1 43	13 4	0 44	2 23	2 23	21 27	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 7		n.a.
F 3	12 57	14 31	4 30	13 58	0 26	6 33	1 40	24 37	1 42	13 9	0 44	2 20	2 23	21 28	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 5		n.a.
S 4	13 18	10 12	4 54	13 12	0 47	6 10	1 44	24 30	1 41	13 14	0 44	2 18	2 23	21 28	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 4		n.a.
S 5	13 39	5 24	5 5	12 26	1 7	5 47	1 47	24 24	1 40	13 18	0 44	2 15	2 23	21 29	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 3		n.a.
M 6	13 59	0 15	5 1	11 40	1 26	5 23	1 50	24 17	1 39	13 23	0 43	2 13	2 23	21 29	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 2		n.a.
T 7	14 19	5n 1	4 42	10 56	1 43	4 59	1 53	24 11	1 38	13 27	0 43	2 11	2 23	21 30	0 4	17 13	1 4	25 57	2 29	23 46	23 45	21 1		n.a.
W 8	14 39	10 12	4 7	10 16	1 59	4 35	1 56	24 3	1 37	13 32	0 43	2 8	2 23	21 31	0 4	17 12	1 4	25 58	2 29	23 47	23 46	21 0		n.a.
T 9	14 59	15 0	3 18	9 41	2 12	4 11	1 59	23 56	1 36	13 37	0 43	2 6	2 24	21 31	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 58		n.a.
F 10	15 18	19 6	2 16	9 10	2 24	3 46	2 1	23 48	1 35	13 41	0 43	2 4	2 24	21 32	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 57		n.a.
S 11	15 38	22 10	1 6	8 46	2 33	3 21	2 4	23 41	1 34	13 46	0 43	2 2	2 24	21 32	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 56		n.a.
S 12	15 57	23 55	0n 9	8 27	2 40	2 56	2 6	23 33	1 33	13 50	0 43	1 59	2 24	21 33	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 55		n.a.
M13	16 15	24 9	1 24	8 14	2 45	2 31	2 8	23 24	1 32	13 55	0 43	1 57	2 24	21 34	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 54		n.a.
T 14	16 34	22 50	2 35	8 7	2 48	2 5	2 10	23 16	1 31	13 59	0 43	1 55	2 24	21 34	0 4	17 12	1 4	25 58	2 29	23 47	23 46	20 52		n.a.
W15	16 52	20 5	3 35	8 5	2 50	1 40	2 12	23 7	1 30	14 4	0 43	1 53	2 25	21 35	0 4	17 12	1 4	25 59	2 29	23 47	23 46	20 51		n.a.
T 16	17 9	16 10	4 23	8 8	2 50	1 14	2 14	22 58	1 29	14 8	0 43	1 51	2 25	21 36	0 5	17 12	1 5	25 59	2 29	23 47	23 46	20 50		n.a.
F 17	17 27	11 21	4 55	8 15	2 49	0 47	2 16	22 49	1 28	14 12	0 43	1 48	2 25	21 36	0 5	17 12	1 5	25 59	2 29	23 47	23 46	20 49		n.a.
S 18	17 44	5 58	5 9	8 26	2 46	0 21	2 17	22 40	1 27	14 17	0 43	1 46	2 25	21 37	0 5	17 12	1 5	25 59	2 29	23 47	23 46	20 47		n.a.
S 19	18 1	0 20	5 4	8 41	2 43	0s 5	2 18	22 30	1 25	14 21	0 42	1 44	2 25	21 37	0 5	17 11	1 5	25 59	2 29	23 47	23 46	20 46		n.a.
M20	18 17	5s16	4 43	8 58	2 39	0 32	2 20	22 21	1 24	14 26	0 42	1 42	2 25	21 38	0 5	17 11	1 5	25 59	2 29	23 47	23 46	20 45		n.a.
T 21	18 34	10 33	4 5	9 19	2 34	0 59	2 21	22 11	1 23	14 30	0 42	1 40	2 26	21 39	0 5	17 11	1 5	26 0	2 29	23 47	23 46	20 44		n.a.
W22	18 49	15 14	3 15	9 41	2 28	1 25	2 22	22 1	1 22	14 34	0 42	1 38	2 26	21 39	0 5	17 11	1 5	26 0	2 30	23 47	23 46	20 42		n.a.
T 23	19 5	19 7	2 15	10 6	2 22	1 52	2 22	21 50	1 21	14 39	0 42	1 36	2 26	21 40	0 5	17 11	1 5	26 0	2 30	23 47	23 46	20 41		n.a.
F 24	19 20	22 0	1 10	10 32	2 16	2 19	2 23	21 40	1 20	14 43	0 42	1 35	2 26	21 41	0 5	17 11	1 5	26 0	2 30	23 47	23 46	20 40		n.a.
S 25	19 35	23 45	0 2	11 0	2 9	2 46	2 24	21 29	1 19	14 47	0 42	1 33	2 26	21 41	0 5	17 12	1 5	26 0	2 30	23 47	23 46	20 39		n.a.
S 26	19 49	24 19	1s 4	11 28	2 2	3 13	2 24	21 18	1 18	14 51	0 42	1 31	2 27	21 42	0 5	17 12	1 5	26 0	2 30	23 47	23 46	20 37		n.a.
M27	20 3	23 44	2 7	11 58	1 55	3 40	2 25	21 7	1 17	14 56	0 42	1 29	2 27	21 43	0 5	17 12	1 5	26 1	2 30	23 47	23 46	20 36		n.a.
T 28	20 17	22 4	3 3	12 28	1 47	4 8	2 25	20 56	1 16	15 0	0 42	1 27	2 27	21 43	0 5	17 12	1 5	26 1	2 30	23 47	23 46	20 35		n.a.
W29	20 30	19 28	3 52	12 59	1 40	4 35	2 25	20 44	1 15	15 4	0 42	1 25	2 27	21 44	0 5	17 12	1 5	26 1	2 30	23 47	23 46	20 33		n.a.
T 30	20s43	16s 4	4s30	13s30	1n32	5s 2	2n25	20s33	1s14	15s 8	0n42	1n24	2n27	21s44	0s 5	17n12	1n 5	26s 1	2s30	23n47	23n46	20s32		n.a.

Julian Day Number = 1466417.5, Delta T = 05h34m50s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'57, Lahiri = -13°35'56 Julian Calendar 1 Nov. 699 BCE == Greg. Calendar 25 Oct. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 699 BCE
geocentric

DECEMBER 699 BCE (-698) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 8 37	2♐21'00	11♓20	11♏ 3	19♎27	5♒29	12♏42	2♎11	6♐21	16°R20	21♐53	0°R 5	1♋ 6	12♒42	n.a.	F 1
S 2	4 12 33	3°22'16	23°29	12°21	20°37	6°13	12°55	2°16	6°25	16♌20	21°55	0♋ 3	1° 3	12°48	n.a.	S 2
S 3	4 16 30	4°23'32	5♈54	13°40	21°48	6°57	13° 8	2°21	6°28	16°20	21°57	0° 0	1° 0	12°55	n.a.	S 3
M 4	4 20 26	5°24'47	18°39	15° 0	22°59	7°40	13°21	2°25	6°32	16°20	21°58	29♊57	0°57	13° 2	n.a.	M 4
T 5	4 24 23	6°26'02	1♉46	16°21	24°10	8°24	13°34	2°29	6°36	16°19	22° 0	29°53	0°54	13° 8	n.a.	T 5
W 6	4 28 19	7°27'16	15°15	17°44	25°21	9° 8	13°48	2°34	6°39	16°19	22° 2	29°49	0°51	13°15	n.a.	W 6
T 7	4 32 16	8°28'29	29° 6	19° 7	26°33	9°52	14° 1	2°38	6°43	16°19	22° 4	29°46	0°47	13°22	n.a.	T 7
F 8	4 36 12	9°29'43	13♊14	20°32	27°44	10°35	14°14	2°42	6°46	16°18	22° 6	29°44	0°44	13°28	n.a.	F 8
S 9	4 40 9	10°30'56	27°36	21°57	28°55	11°19	14°27	2°46	6°50	16°18	22° 8	29°D44	0°41	13°35	n.a.	S 9
S 10	4 44 6	11°32'08	12♋ 6	23°23	0♏ 7	12° 3	14°40	2°50	6°53	16°17	22°10	29°44	0°38	13°42	n.a.	S 10
M11	4 48 2	12°33'20	26°39	24°49	1°18	12°46	14°53	2°54	6°57	16°17	22°12	29°45	0°35	13°49	n.a.	M11
T 12	4 51 59	13°34'31	11♌ 9	26°17	2°30	13°30	15° 5	2°58	7° 1	16°16	22°14	29°46	0°31	13°55	n.a.	T 12
W13	4 55 55	14°35'42	25°32	27°45	3°42	14°14	15°18	3° 1	7° 4	16°16	22°16	29°47	0°28	14° 2	n.a.	W13
T 14	4 59 52	15°36'53	9♍44	29°13	4°54	14°57	15°31	3° 5	7° 8	16°15	22°18	29°R48	0°25	14° 9	n.a.	T 14
F 15	5 3 48	16°38'03	23°45	0♐43	6° 6	15°41	15°44	3° 9	7°11	16°14	22°20	29°48	0°22	14°15	n.a.	F 15
S 16	5 7 45	17°39'13	7♎32	2°12	7°18	16°24	15°56	3°12	7°15	16°14	22°22	29°47	0°19	14°22	n.a.	S 16
S 17	5 11 42	18°40'22	21° 6	3°43	8°30	17° 8	16° 9	3°15	7°18	16°13	22°23	29°46	0°16	14°29	n.a.	S 17
M18	5 15 38	19°41'31	4♏25	5°14	9°42	17°51	16°21	3°19	7°22	16°12	22°25	29°45	0°12	14°35	n.a.	M18
T 19	5 19 35	20°42'39	17°32	6°46	10°54	18°35	16°34	3°22	7°26	16°12	22°27	29°43	0° 9	14°42	n.a.	T 19
W20	5 23 31	21°43'46	0♐25	8°18	12° 6	19°18	16°46	3°25	7°29	16°11	22°29	29°42	0° 6	14°49	n.a.	W20
T 21	5 27 28	22°44'52	13° 4	9°51	13°18	20° 2	16°59	3°28	7°33	16°10	22°31	29°42	0° 3	14°55	n.a.	T 21
F 22	5 31 24	23°45'58	25°32	11°25	14°31	20°45	17°11	3°31	7°36	16° 9	22°33	29°D41	29♊59	15° 2	n.a.	F 22
S 23	5 35 21	24°47'02	7♑47	12°59	15°43	21°28	17°23	3°34	7°40	16° 8	22°35	29°41	29°57	15° 9	n.a.	S 23
S 24	5 39 17	25°48'06	19°53	14°34	16°56	22°12	17°35	3°36	7°43	16° 7	22°37	29°42	29°53	15°15	n.a.	S 24
M25	5 43 14	26°49'08	1♒50	16° 9	18° 8	22°55	17°48	3°39	7°46	16° 7	22°39	29°42	29°50	15°22	n.a.	M25
T 26	5 47 11	27°50'08	13°42	17°45	19°21	23°38	18° 0	3°42	7°50	16° 6	22°41	29°42	29°47	15°29	n.a.	T 26
W27	5 51 7	28°51'08	25°32	19°22	20°33	24°22	18°12	3°44	7°53	16° 5	22°43	29°42	29°44	15°35	n.a.	W27
T 28	5 55 4	29°52'06	7♓22	20°59	21°46	25° 5	18°23	3°46	7°57	16° 4	22°45	29°R43	29°41	15°42	n.a.	T 28
F 29	5 59 0	0♑53'02	19°19	22°37	22°58	25°48	18°35	3°49	8° 0	16° 3	22°47	29°42	29°37	15°49	n.a.	F 29
S 30	6 2 57	1°53'57	1♈25	24°16	24°11	26°31	18°47	3°51	8° 3	16° 1	22°49	29°D42	29°34	15°56	n.a.	S 30
S 31	6 6 53	2♑54'50	13♈47	25♐56	25♏24	27♒15	18♏59	3♎53	8♐ 7	16♌ 0	22♐51	29♊43	29♊31	16♒ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s56	11s59	4s58	14s 2	1n24	5s29	2n25	20s21	1s13	15s12	0n42	1n22	2n28	21s45	0s 5	17n12	1n 5	26s 1	2s30	23n47	23n46	20s31		n.a.
S 2	21 8	7 23	5 12	14 33	1 16	5 56	2 25	20 9	1 12	15 16	0 42	1 20	2 28	21 46	0 5	17 12	1 5	26 1	2 30	23 47	23 46	20 29		n.a.
S 3	21 19	2 24	5 12	15 5	1 8	6 23	2 24	19 57	1 11	15 21	0 42	1 19	2 28	21 46	0 5	17 12	1 5	26 2	2 30	23 47	23 47	20 28		n.a.
M 4	21 31	2n50	4 58	15 36	1 0	6 50	2 24	19 44	1 10	15 25	0 42	1 17	2 28	21 47	0 5	17 12	1 5	26 2	2 30	23 47	23 47	20 27		n.a.
T 5	21 41	8 5	4 27	16 8	0 53	7 17	2 23	19 32	1 9	15 29	0 42	1 16	2 28	21 48	0 5	17 12	1 5	26 2	2 30	23 47	23 47	20 25		n.a.
W 6	21 52	13 7	3 41	16 39	0 45	7 44	2 23	19 19	1 8	15 33	0 42	1 14	2 29	21 48	0 5	17 13	1 5	26 2	2 30	23 47	23 47	20 24		n.a.
T 7	22 2	17 37	2 41	17 10	0 37	8 11	2 22	19 6	1 7	15 37	0 41	1 13	2 29	21 49	0 5	17 13	1 6	26 2	2 30	23 47	23 47	20 23		n.a.
F 8	22 11	21 14	1 30	17 40	0 29	8 37	2 21	18 53	1 6	15 41	0 41	1 11	2 29	21 50	0 5	17 13	1 6	26 3	2 30	23 47	23 47	20 21		n.a.
S 9	22 20	23 34	0 12	18 10	0 21	9 4	2 20	18 40	1 5	15 44	0 41	1 10	2 29	21 50	0 5	17 13	1 6	26 3	2 31	23 47	23 47	20 20		n.a.
S 10	22 29	24 21	1n 8	18 39	0 14	9 30	2 19	18 27	1 4	15 48	0 41	1 8	2 30	21 51	0 5	17 13	1 6	26 3	2 31	23 47	23 47	20 19		n.a.
M11	22 37	23 28	2 23	19 8	0 6	9 56	2 18	18 13	1 3	15 52	0 41	1 7	2 30	21 51	0 5	17 13	1 6	26 3	2 31	23 47	23 47	20 17		n.a.
T 12	22 45	21 2	3 30	19 37	0s 1	10 22	2 17	18 0	1 2	15 56	0 41	1 6	2 30	21 52	0 5	17 14	1 6	26 3	2 31	23 47	23 47	20 16		n.a.
W13	22 52	17 17	4 22	20 4	0 8	10 48	2 16	17 46	1 1	16 0	0 41	1 4	2 30	21 53	0 5	17 14	1 6	26 4	2 31	23 47	23 47	20 15		n.a.
T 14	22 59	12 36	4 57	20 31	0 15	11 14	2 14	17 32	1 0	16 4	0 41	1 3	2 31	21 53	0 5	17 14	1 6	26 4	2 31	23 47	23 47	20 13		n.a.
F 15	23 6	7 19	5 15	20 57	0 22	11 39	2 13	17 18	0 59	16 7	0 41	1 2	2 31	21 54	0 5	17 14	1 6	26 4	2 31	23 47	23 47	20 12		n.a.
S 16	23 12	1 46	5 14	21 22	0 29	12 5	2 11	17 4	0 58	16 11	0 41	1 1	2 31	21 54	0 5	17 15	1 6	26 4	2 31	23 47	23 47	20 10		n.a.
S 17	23 17	3s47	4 55	21 47	0 36	12 30	2 9	16 50	0 57	16 15	0 41	1 0	2 31	21 55	0 5	17 15	1 6	26 4	2 31	23 47	23 47	20 9		n.a.
M18	23 22	9 5	4 21	22 10	0 42	12 54	2 8	16 35	0 56	16 19	0 41	0 59	2 32	21 56	0 5	17 15	1 6	26 4	2 31	23 47	23 47	20 8		n.a.
T 19	23 27	13 54	3 33	22 33	0 49	13 19	2 6	16 21	0 55	16 22	0 41	0 58	2 32	21 56	0 5	17 15	1 6	26 5	2 31	23 47	23 47	20 6		n.a.
W20	23 31	18 0	2 35	22 54	0 55	13 43	2 4	16 6	0 54	16 26	0 41	0 57	2 32	21 57	0 5	17 16	1 6	26 5	2 31	23 47	23 47	20 5		n.a.
T 21	23 35	21 11	1 31	23 14	1 1	14 7	2 2	15 51	0 53	16 29	0 41	0 56	2 32	21 57	0 5	17 16	1 6	26 5	2 31	23 47	23 47	20 3		n.a.
F 22	23 38	23 19	0 23	23 34	1 6	14 31	2 0	15 36	0 52	16 33	0 41	0 55	2 33	21 58	0 5	17 16	1 6	26 5	2 32	23 47	23 47	20 2		n.a.
S 23	23 40	24 18	0s45	23 52	1 12	14 54	1 58	15 21	0 51	16 37	0 41	0 54	2 33	21 59	0 5	17 17	1 6	26 5	2 32	23 47	23 47	20 1		n.a.
S 24	23 43	24 6	1 50	24 9	1 17	15 17	1 56	15 6	0 50	16 40	0 41	0 53	2 33	21 59	0 5	17 17	1 6	26 6	2 32	23 47	23 47	19 59		n.a.
M25	23 44	22 47	2 49	24 24	1 22	15 39	1 54	14 51	0 49	16 43	0 41	0 52	2 33	22 0	0 5	17 17	1 6	26 6	2 32	23 47	23 47	19 58		n.a.
T 26	23 46	20 28	3 41	24 39	1 27	16 2	1 51	14 35	0 48	16 47	0 41	0 51	2 34	22 0	0 5	17 17	1 6	26 6	2 32	23 47	23 47	19 56		n.a.
W27	23 46	17 18	4 23	24 52	1 31	16 23	1 49	14 20	0 47	16 50	0 41	0 51	2 34	22 1	0 5	17 18	1 6	26 6	2 32	23 47	23 47	19 55		n.a.
T 28	23 47	13 27	4 54	25 3	1 36	16 45	1 47	14 4	0 47	16 54	0 41	0 50	2 34	22 1	0 5	17 18	1 6	26 6	2 32	23 47	23 47	19 53		n.a.
F 29	23 47	9 4	5 12	25 14	1 40	17 6	1 44	13 49	0 46	16 57	0 41	0 49	2 34	22 2	0 5	17 19	1 6	26 7	2 32	23 47	23 47	19 52		n.a.
S 30	23 46	4 16	5 17	25 22	1 43	17 27	1 42	13 33	0 45	17 0	0 41	0 49	2 35	22 3	0 5	17 19	1 7	26 7	2 32	23 47	23 47	19 50		n.a.
S 31	23s45	0n47	5s 8	25s29	1s47	17s47	1n39	13s17	0s44	17s 3	0n41	0n48	2n35	22s 3	0s 5	17n19	1n 7	26s 7	2s32	23n47	23n47	19s49		n.a.

Julian Day Number = 1466447.5, Delta T = 05h34m48s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'53, Lahiri = -13°35'52 Julian Calendar 1 Dec. 699 BCE == Greg. Calendar 24 Nov. 699 BCE

The year -698 astronomical counting style corresponds to year 699 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

JANUARY 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 10 50	3♉55'42	26♈27	27♐36	26♏37	27♒58	19♏10	3♎55	8♐10	15°R59	22♐53	29♊43	29♊28	16♒ 9	n.a.	M 1
T 2	6 14 46	4°56'32	9♉30	29°17	27°49	28°41	19°22	3°57	8°13	15♌58	22°55	29°43	29°25	16°16	n.a.	T 2
W 3	6 18 43	5°57'20	22°59	0♉59	29° 2	29°24	19°33	3°58	8°17	15°57	22°57	29°44	29°22	16°22	n.a.	W 3
T 4	6 22 40	6°58'07	6♊54	2°41	0♐15	0♓ 7	19°45	4° 0	8°20	15°56	22°58	29°44	29°18	16°29	n.a.	T 4
F 5	6 26 36	7°58'52	21°14	4°24	1°28	0°50	19°56	4° 2	8°23	15°55	23° 0	29°45	29°15	16°36	n.a.	F 5
S 6	6 30 33	8°59'36	5♋53	6° 9	2°41	1°33	20° 7	4° 3	8°27	15°53	23° 2	29°R45	29°12	16°42	n.a.	S 6
S 7	6 34 29	10° 0'18	20°48	7°54	3°54	2°16	20°18	4° 4	8°30	15°52	23° 4	29°44	29° 9	16°49	n.a.	S 7
M 8	6 38 26	11° 0'59	5♌48	9°39	5° 7	2°59	20°29	4° 6	8°33	15°51	23° 6	29°43	29° 6	16°56	n.a.	M 8
T 9	6 42 22	12° 1'38	20°45	11°26	6°20	3°42	20°40	4° 7	8°36	15°50	23° 8	29°42	29° 3	17° 2	n.a.	T 9
W10	6 46 19	13° 2'16	5♍32	13°13	7°33	4°25	20°51	4° 8	8°39	15°48	23°10	29°40	28°59	17° 9	n.a.	W10
T 11	6 50 16	14° 2'52	20° 3	15° 1	8°46	5° 7	21° 2	4° 9	8°42	15°47	23°12	29°39	28°56	17°16	n.a.	T 11
F 12	6 54 12	15° 3'27	4♎13	16°50	9°59	5°50	21°12	4°10	8°45	15°46	23°13	29°38	28°53	17°23	n.a.	F 12
S 13	6 58 9	16° 4'01	18° 0	18°40	11°12	6°33	21°23	4°10	8°48	15°44	23°15	29°D38	28°50	17°29	n.a.	S 13
S 14	7 2 5	17° 4'33	1♏26	20°30	12°25	7°16	21°33	4°11	8°51	15°43	23°17	29°38	28°47	17°36	n.a.	S 14
M15	7 6 2	18° 5'04	14°32	22°21	13°38	7°58	21°44	4°11	8°54	15°41	23°19	29°39	28°43	17°43	n.a.	M15
T 16	7 9 58	19° 5'33	27°20	24°13	14°51	8°41	21°54	4°12	8°57	15°40	23°21	29°41	28°40	17°49	n.a.	T 16
W17	7 13 55	20° 6'01	9♐54	26° 5	16° 4	9°24	22° 4	4°12	9° 0	15°38	23°23	29°42	28°37	17°56	n.a.	W17
T 18	7 17 51	21° 6'27	22°15	27°57	17°18	10° 6	22°14	4°12	9° 3	15°37	23°24	29°43	28°34	18° 3	n.a.	T 18
F 19	7 21 48	22° 6'52	4♉26	29°50	18°31	10°49	22°24	4°13	9° 6	15°36	23°26	29°R43	28°31	18° 9	n.a.	F 19
S 20	7 25 45	23° 7'15	16°29	1♒43	19°44	11°31	22°34	4°R13	9° 9	15°34	23°28	29°42	28°28	18°16	n.a.	S 20
S 21	7 29 41	24° 7'35	28°26	3°35	20°57	12°14	22°44	4°12	9°12	15°33	23°30	29°40	28°24	18°23	n.a.	S 21
M22	7 33 38	25° 7'54	10♒19	5°27	22°11	12°56	22°53	4°12	9°15	15°31	23°31	29°36	28°21	18°29	n.a.	M22
T 23	7 37 34	26° 8'11	22° 9	7°19	23°24	13°39	23° 3	4°12	9°17	15°29	23°33	29°32	28°18	18°36	n.a.	T 23
W24	7 41 31	27° 8'26	3♓59	9°10	24°37	14°21	23°12	4°12	9°20	15°28	23°35	29°27	28°15	18°43	n.a.	W24
T 25	7 45 27	28° 8'39	15°52	10°59	25°50	15° 4	23°21	4°11	9°23	15°26	23°36	29°22	28°12	18°50	n.a.	T 25
F 26	7 49 24	29° 8'50	27°49	12°47	27° 4	15°46	23°30	4°11	9°25	15°25	23°38	29°17	28° 9	18°56	n.a.	F 26
S 27	7 53 20	0♒ 8'58	9♈55	14°32	28°17	16°28	23°40	4°10	9°28	15°23	23°40	29°14	28° 5	19° 3	n.a.	S 27
S 28	7 57 17	1° 9'04	22°13	16°15	29°30	17°10	23°48	4° 9	9°30	15°22	23°41	29°12	28° 2	19°10	n.a.	S 28
M29	8 1 14	2° 9'08	4♉48	17°55	0♉43	17°53	23°57	4° 8	9°33	15°20	23°43	29°D12	27°59	19°16	n.a.	M29
T 30	8 5 10	3° 9'10	17°43	19°31	1°57	18°35	24° 6	4° 7	9°35	15°18	23°45	29°13	27°56	19°23	n.a.	T 30
W31	8 9 7	4♒ 9'09	1♊ 4	21♒ 4	3♉10	19♓17	24♏14	4♎ 6	9♐38	15♌17	23♐46	29♊14	27♊53	19♒30	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23 s43	5n57	4 s44	25 s35	1 s50	18 s 7	1n37	13 s 1	0 s43	17 s 7	0n41	0n47	2n35	22 s 4	0 s 5	17n20	1n 7	26 s 7	2 s32	23n47	23n47	19 s47			n.a.
T 2	23 41	11 0	4 4	25 39	1 52	18 26	1 34	12 45	0 42	17 10	0 41	0 47	2 35	22 4	0 5	17 20	1 7	26 7	2 33	23 47	23 47	19 46			n.a.
W 3	23 39	15 43	3 10	25 41	1 55	18 45	1 31	12 29	0 41	17 13	0 41	0 46	2 36	22 5	0 5	17 20	1 7	26 8	2 33	23 47	23 47	19 44			n.a.
T 4	23 36	19 44	2 3	25 42	1 57	19 3	1 29	12 13	0 40	17 16	0 41	0 46	2 36	22 5	0 5	17 21	1 7	26 8	2 33	23 47	23 47	19 43			n.a.
F 5	23 32	22 42	0 47	25 41	1 58	19 21	1 26	11 56	0 39	17 19	0 41	0 46	2 36	22 6	0 5	17 21	1 7	26 8	2 33	23 47	23 47	19 41			n.a.
S 6	23 28	24 13	0n34	25 38	2 0	19 38	1 23	11 40	0 38	17 22	0 41	0 45	2 36	22 6	0 5	17 22	1 7	26 8	2 33	23 47	23 47	19 40			n.a.
S 7	23 24	24 1	1 54	25 33	2 0	19 55	1 20	11 24	0 37	17 25	0 41	0 45	2 37	22 7	0 5	17 22	1 7	26 9	2 33	23 47	23 47	19 38			n.a.
M 8	23 19	22 6	3 7	25 26	2 1	20 11	1 17	11 7	0 36	17 28	0 41	0 45	2 37	22 7	0 5	17 22	1 7	26 9	2 33	23 47	23 47	19 37			n.a.
T 9	23 14	18 40	4 7	25 17	2 1	20 27	1 14	10 51	0 36	17 31	0 41	0 45	2 37	22 8	0 5	17 23	1 7	26 9	2 33	23 47	23 47	19 35			n.a.
W10	23 8	14 5	4 49	25 6	2 0	20 42	1 12	10 34	0 35	17 34	0 41	0 44	2 38	22 8	0 5	17 23	1 7	26 9	2 33	23 47	23 47	19 34			n.a.
T 11	23 2	8 46	5 12	24 54	1 59	20 57	1 9	10 17	0 34	17 37	0 41	0 44	2 38	22 9	0 5	17 24	1 7	26 9	2 33	23 47	23 46	19 32			n.a.
F 12	22 55	3 7	5 15	24 39	1 58	21 11	1 6	10 0	0 33	17 40	0 41	0 44	2 38	22 9	0 5	17 24	1 7	26 10	2 34	23 47	23 46	19 31			n.a.
S 13	22 48	2 s32	5 0	24 22	1 56	21 24	1 3	9 44	0 32	17 43	0 41	0 44	2 38	22 10	0 5	17 25	1 7	26 10	2 34	23 47	23 46	19 29			n.a.
S 14	22 40	7 56	4 29	24 3	1 53	21 37	1 0	9 27	0 31	17 45	0 41	0 44	2 39	22 10	0 5	17 25	1 7	26 10	2 34	23 47	23 46	19 28			n.a.
M15	22 32	12 51	3 44	23 42	1 50	21 49	0 57	9 10	0 30	17 48	0 41	0 44	2 39	22 11	0 5	17 26	1 7	26 10	2 34	23 47	23 46	19 26			n.a.
T 16	22 24	17 6	2 49	23 19	1 46	22 1	0 54	8 53	0 29	17 51	0 41	0 44	2 39	22 11	0 5	17 26	1 7	26 10	2 34	23 47	23 46	19 24			n.a.
W17	22 15	20 29	1 47	22 54	1 42	22 12	0 51	8 36	0 29	17 53	0 41	0 44	2 39	22 12	0 5	17 26	1 7	26 11	2 34	23 47	23 46	19 23			n.a.
T 18	22 6	22 52	0 41	22 26	1 37	22 23	0 47	8 19	0 28	17 56	0 41	0 45	2 40	22 12	0 5	17 27	1 7	26 11	2 34	23 47	23 46	19 21			n.a.
F 19	21 56	24 8	0 s26	21 57	1 31	22 32	0 44	8 2	0 27	17 59	0 41	0 45	2 40	22 13	0 5	17 27	1 7	26 11	2 34	23 47	23 46	19 20			n.a.
S 20	21 46	24 15	1 31	21 26	1 25	22 41	0 41	7 44	0 26	18 1	0 41	0 45	2 40	22 13	0 5	17 28	1 7	26 11	2 35	23 47	23 46	19 18			n.a.
S 21	21 36	23 14	2 31	20 53	1 17	22 50	0 38	7 27	0 25	18 4	0 41	0 45	2 41	22 14	0 5	17 28	1 7	26 11	2 35	23 47	23 46	19 17			n.a.
M22	21 25	21 11	3 25	20 18	1 10	22 58	0 35	7 10	0 24	18 6	0 41	0 46	2 41	22 14	0 5	17 29	1 7	26 12	2 35	23 47	23 46	19 15			n.a.
T 23	21 13	18 14	4 9	19 41	1 1	23 5	0 32	6 53	0 23	18 9	0 41	0 46	2 41	22 15	0 5	17 29	1 7	26 12	2 35	23 47	23 46	19 13			n.a.
W24	21 2	14 34	4 43	19 3	0 52	23 11	0 29	6 35	0 23	18 11	0 41	0 46	2 41	22 15	0 5	17 30	1 7	26 12	2 35	23 47	23 46	19 12			n.a.
T 25	20 50	10 19	5 4	18 24	0 42	23 17	0 26	6 18	0 22	18 13	0 41	0 47	2 42	22 15	0 5	17 30	1 7	26 12	2 35	23 47	23 46	19 10			n.a.
F 26	20 37	5 39	5 13	17 43	0 32	23 22	0 23	6 1	0 21	18 16	0 41	0 47	2 42	22 16	0 5	17 31	1 7	26 13	2 35	23 47	23 46	19 9			n.a.
S 27	20 24	0 43	5 7	17 2	0 20	23 26	0 20	5 43	0 20	18 18	0 41	0 48	2 42	22 16	0 5	17 31	1 7	26 13	2 35	23 47	23 46	19 7			n.a.
S 28	20 11	4n19	4 48	16 20	0 9	23 30	0 17	5 26	0 19	18 20	0 41	0 48	2 42	22 17	0 5	17 32	1 7	26 13	2 36	23 47	23 46	19 5			n.a.
M29	19 58	9 19	4 15	15 37	0n 4	23 33	0 14	5 8	0 19	18 22	0 41	0 49	2 43	22 17	0 5	17 32	1 7	26 13	2 36	23 47	23 46	19 4			n.a.
T 30	19 44	14 2	3 27	14 54	0 17	23 35	0 11	4 51	0 18	18 24	0 41	0 50	2 43	22 17	0 5	17 33	1 7	26 13	2 36	23 47	23 46	19 2			n.a.
W31	19 s30	18n15	2 s28	14 s12	0n30	23 s37	0n 8	4 s34	0 s17	18 s27	0n41	0n50	2n43	22 s18	0 s 5	17n33	1n 7	26 s14	2 s36	23n47	23n46	19 s 0			n.a.

Julian Day Number = 1466478.5, Delta T = 05h34m47s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'48, Lahiri = -13°35'48 Julian Calendar 1 Jan. 698 BCE == Greg. Calendar 25 Dec. 699 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

FEBRUARY 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 13 3	5♒ 9'06	14♊51	22♒31	4♉23	19♓59	24♏23	4°R 5	9♐40	15°R15	23♐48	29♊16	27♊49	19♒36	n.a.	T 1
F 2	8 17 0	6° 9'01	29° 6	23°53	5°37	20°41	24°31	4♎ 4	9°43	15♌14	23°49	29°R16	27°46	19°43	n.a.	F 2
S 3	8 20 56	7° 8'54	13♋47	25°10	6°50	21°23	24°39	4° 2	9°45	15°12	23°51	29°16	27°43	19°50	n.a.	S 3
S 4	8 24 53	8° 8'44	28°49	26°20	8° 3	22° 5	24°47	4° 1	9°47	15°10	23°52	29°13	27°40	19°56	n.a.	S 4
M 5	8 28 49	9° 8'32	14♌ 4	27°23	9°17	22°47	24°55	3°59	9°50	15° 9	23°54	29° 9	27°37	20° 3	n.a.	M 5
T 6	8 32 46	10° 8'18	29°21	28°19	10°30	23°29	25° 3	3°57	9°52	15° 7	23°55	29° 3	27°34	20°10	n.a.	T 6
W 7	8 36 43	11° 8'02	14♍29	29° 7	11°43	24°11	25°10	3°56	9°54	15° 5	23°57	28°56	27°30	20°17	n.a.	W 7
T 8	8 40 39	12° 7'44	29°19	29°47	12°57	24°53	25°18	3°54	9°56	15° 4	23°58	28°50	27°27	20°23	n.a.	T 8
F 9	8 44 36	13° 7'24	13♎45	0♓19	14°10	25°35	25°25	3°52	9°58	15° 2	24° 0	28°45	27°24	20°30	n.a.	F 9
S 10	8 48 32	14° 7'02	27°43	0°43	15°24	26°16	25°32	3°50	10° 0	15° 0	24° 1	28°42	27°21	20°37	n.a.	S 10
S 11	8 52 29	15° 6'39	11♏12	0°59	16°37	26°58	25°39	3°48	10° 2	14°59	24° 2	28°D41	27°18	20°43	n.a.	S 11
M12	8 56 25	16° 6'13	24°16	1°R 6	17°50	27°40	25°46	3°46	10° 4	14°57	24° 4	28°41	27°15	20°50	n.a.	M12
T 13	9 0 22	17° 5'46	6♐58	1° 4	19° 4	28°21	25°53	3°43	10° 6	14°55	24° 5	28°42	27°11	20°57	n.a.	T 13
W14	9 4 18	18° 5'17	19°22	0°55	20°17	29° 3	26° 0	3°41	10° 8	14°54	24° 6	28°43	27° 8	21° 3	n.a.	W14
T 15	9 8 15	19° 4'46	1♑32	0°38	21°31	29°45	26° 6	3°38	10°10	14°52	24° 8	28°R44	27° 5	21°10	n.a.	T 15
F 16	9 12 11	20° 4'13	13°32	0°14	22°44	0♈26	26°12	3°36	10°12	14°50	24° 9	28°42	27° 2	21°17	n.a.	F 16
S 17	9 16 8	21° 3'38	25°26	29♒43	23°57	1° 8	26°19	3°33	10°13	14°49	24°10	28°39	26°59	21°24	n.a.	S 17
S 18	9 20 5	22° 3'01	7♒17	29° 6	25°11	1°49	26°25	3°30	10°15	14°47	24°11	28°33	26°55	21°30	n.a.	S 18
M19	9 24 1	23° 2'22	19° 7	28°25	26°24	2°31	26°30	3°28	10°17	14°45	24°12	28°24	26°52	21°37	n.a.	M19
T 20	9 27 58	24° 1'40	0♓58	27°39	27°38	3°12	26°36	3°25	10°18	14°44	24°14	28°14	26°49	21°44	n.a.	T 20
W21	9 31 54	25° 0'56	12°51	26°51	28°51	3°53	26°42	3°22	10°20	14°42	24°15	28° 3	26°46	21°50	n.a.	W21
T 22	9 35 51	26° 0'10	24°48	26° 0	0♒ 5	4°35	26°47	3°19	10°21	14°41	24°16	27°52	26°43	21°57	n.a.	T 22
F 23	9 39 47	26°59'22	6♈50	25° 9	1°18	5°16	26°52	3°16	10°23	14°39	24°17	27°41	26°40	22° 4	n.a.	F 23
S 24	9 43 44	27°58'32	19° 0	24°18	2°31	5°57	26°57	3°12	10°24	14°37	24°18	27°33	26°36	22°10	n.a.	S 24
S 25	9 47 40	28°57'39	1♉21	23°27	3°45	6°39	27° 2	3° 9	10°25	14°36	24°19	27°27	26°33	22°17	n.a.	S 25
M26	9 51 37	29°56'43	13°55	22°39	4°58	7°20	27° 7	3° 6	10°27	14°34	24°20	27°24	26°30	22°24	n.a.	M26
T 27	9 55 33	0♓55'45	26°47	21°54	6°12	8° 1	27°11	3° 2	10°28	14°32	24°21	27°D22	26°27	22°30	n.a.	T 27
W28	9 59 30	1♓54'45	9♊59	21♒12	7♒25	8♈42	27♏15	2♎59	10♐29	14♌31	24♐22	27♊22	26♊24	22♒37	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s15	21n37	1s18	13s31	0n44	23s38	0n 5	4s16	0s16	18s29	0n41	0n51	2n43	22s18	0s 5	17n34	1n 7	26s14	2s36	23n47	23n46	18s59		n.a.
F 2	19 0	23 46	0 1	12 50	0 58	23 38	0 2	3 59	0 15	18 31	0 41	0 52	2 44	22 19	0 5	17 34	1 7	26 14	2 36	23 47	23 46	18 57		n.a.
S 3	18 45	24 21	1n18	12 11	1 13	23 37	0s 1	3 41	0 15	18 33	0 41	0 52	2 44	22 19	0 5	17 35	1 8	26 14	2 36	23 47	23 46	18 55		n.a.
S 4	18 29	23 12	2 34	11 33	1 27	23 36	0 4	3 24	0 14	18 35	0 41	0 53	2 44	22 19	0 5	17 35	1 8	26 14	2 36	23 47	23 46	18 54		n.a.
M 5	18 13	20 20	3 39	10 58	1 42	23 34	0 7	3 6	0 13	18 37	0 41	0 54	2 44	22 20	0 5	17 36	1 8	26 15	2 37	23 47	23 45	18 52		n.a.
T 6	17 57	16 3	4 29	10 25	1 56	23 31	0 10	2 49	0 12	18 38	0 41	0 55	2 45	22 20	0 5	17 36	1 8	26 15	2 37	23 47	23 45	18 50		n.a.
W 7	17 41	10 47	5 0	9 55	2 10	23 28	0 13	2 31	0 11	18 40	0 41	0 56	2 45	22 20	0 5	17 37	1 8	26 15	2 37	23 47	23 45	18 49		n.a.
T 8	17 24	4 59	5 9	9 28	2 24	23 24	0 15	2 13	0 11	18 42	0 41	0 57	2 45	22 21	0 5	17 37	1 8	26 15	2 37	23 46	23 45	18 47		n.a.
F 9	17 7	0s55	4 59	9 4	2 37	23 19	0 18	1 56	0 10	18 44	0 41	0 58	2 45	22 21	0 5	17 38	1 8	26 15	2 37	23 46	23 45	18 45		n.a.
S 10	16 50	6 36	4 31	8 44	2 49	23 13	0 21	1 38	0 9	18 46	0 41	0 59	2 46	22 21	0 5	17 38	1 8	26 16	2 37	23 46	23 45	18 44		n.a.
S 11	16 32	11 47	3 48	8 28	3 1	23 7	0 24	1 21	0 8	18 47	0 41	1 0	2 46	22 22	0 5	17 39	1 8	26 16	2 37	23 46	23 45	18 42		n.a.
M12	16 14	16 17	2 55	8 16	3 11	23 0	0 26	1 4	0 8	18 49	0 41	1 1	2 46	22 22	0 5	17 39	1 8	26 16	2 38	23 46	23 45	18 40		n.a.
T 13	15 56	19 54	1 55	8 8	3 21	22 53	0 29	0 46	0 7	18 51	0 41	1 2	2 46	22 22	0 5	17 40	1 8	26 16	2 38	23 46	23 45	18 39		n.a.
W14	15 38	22 31	0 50	8 3	3 29	22 44	0 31	0 29	0 6	18 52	0 41	1 3	2 46	22 23	0 5	17 40	1 8	26 16	2 38	23 46	23 45	18 37		n.a.
T 15	15 19	24 1	0s15	8 3	3 35	22 36	0 34	0 11	0 5	18 54	0 41	1 5	2 47	22 23	0 5	17 41	1 8	26 17	2 38	23 46	23 45	18 35		n.a.
F 16	15 0	24 23	1 19	8 7	3 40	22 26	0 37	0n 6	0 5	18 55	0 41	1 6	2 47	22 23	0 5	17 41	1 8	26 17	2 38	23 46	23 45	18 33		n.a.
S 17	14 41	23 37	2 19	8 15	3 43	22 16	0 39	0 24	0 4	18 57	0 41	1 7	2 47	22 23	0 5	17 42	1 8	26 17	2 38	23 46	23 45	18 32		n.a.
S 18	14 21	21 48	3 12	8 26	3 45	22 5	0 41	0 41	0 3	18 58	0 41	1 8	2 47	22 24	0 6	17 42	1 8	26 17	2 38	23 46	23 45	18 30		n.a.
M19	14 2	19 2	3 56	8 41	3 45	21 53	0 44	0 58	0 2	18 59	0 41	1 10	2 48	22 24	0 6	17 43	1 8	26 17	2 39	23 46	23 45	18 28		n.a.
T 20	13 42	15 30	4 31	8 59	3 42	21 41	0 46	1 16	0 2	19 1	0 41	1 11	2 48	22 24	0 6	17 43	1 8	26 18	2 39	23 46	23 44	18 26		n.a.
W21	13 22	11 20	4 54	9 19	3 38	21 28	0 48	1 33	0 1	19 2	0 41	1 12	2 48	22 24	0 6	17 44	1 8	26 18	2 39	23 46	23 44	18 25		n.a.
T 22	13 2	6 44	5 4	9 42	3 33	21 15	0 51	1 50	0 0	19 3	0 41	1 14	2 48	22 25	0 6	17 44	1 8	26 18	2 39	23 46	23 44	18 23		n.a.
F 23	12 41	1 50	5 0	10 6	3 25	21 1	0 53	2 8	0n 0	19 4	0 41	1 15	2 48	22 25	0 6	17 45	1 8	26 18	2 39	23 46	23 44	18 21		n.a.
S 24	12 21	3n11	4 43	10 32	3 16	20 46	0 55	2 25	0 1	19 6	0 41	1 17	2 48	22 25	0 6	17 45	1 8	26 19	2 39	23 45	23 44	18 19		n.a.
S 25	12 0	8 10	4 13	10 59	3 5	20 31	0 57	2 42	0 2	19 7	0 41	1 18	2 49	22 25	0 6	17 46	1 8	26 19	2 40	23 45	23 44	18 18		n.a.
M26	11 39	12 54	3 30	11 25	2 54	20 15	0 59	2 59	0 2	19 8	0 41	1 20	2 49	22 25	0 6	17 46	1 8	26 19	2 40	23 45	23 44	18 16		n.a.
T 27	11 18	17 12	2 35	11 52	2 41	19 58	1 1	3 16	0 3	19 9	0 41	1 21	2 49	22 26	0 6	17 47	1 8	26 19	2 40	23 45	23 44	18 14		n.a.
W28	10s57	20n46	1s31	12s19	2n27	19s41	1s 3	3n33	0n 4	19s10	0n41	1n23	2n49	22s26	0s 6	17n47	1n 8	26s19	2s40	23n45	23n44	18s12		n.a.

Julian Day Number = 1466509.5, Delta T = 05h34m45s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'44, Lahiri = -13°35'44 Julian Calendar 1 Feb. 698 BCE == Greg. Calendar 25 Jan. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

MARCH 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 3 27	2♓53'43	23♊36	20°R35	8♒38	9♈23	27♏20	2°R56	10♐30	14°R29	24♐23	27°R23	26♊21	22♒44	n.a.	T 1
F 2	10 7 23	3°52'38	7♋39	20♒ 2	9°52	10° 4	27°24	2♎52	10°32	14♑28	24°24	27♊23	26°17	22°51	n.a.	F 2
S 3	10 11 20	4°51'30	22° 9	19°34	11° 5	10°45	27°27	2°48	10°33	14°26	24°25	27°20	26°14	22°57	n.a.	S 3
S 4	10 15 16	5°50'20	7♌ 2	19°11	12°19	11°26	27°31	2°45	10°34	14°25	24°26	27°16	26°11	23° 4	n.a.	S 4
M 5	10 19 13	6°49'08	22°12	18°54	13°32	12° 7	27°35	2°41	10°35	14°23	24°26	27° 8	26° 8	23°11	n.a.	M 5
T 6	10 23 9	7°47'54	7♍30	18°42	14°45	12°48	27°38	2°37	10°35	14°22	24°27	26°59	26° 5	23°17	n.a.	T 6
W 7	10 27 6	8°46'37	22°45	18°36	15°59	13°29	27°41	2°33	10°36	14°20	24°28	26°49	26° 1	23°24	n.a.	W 7
T 8	10 31 2	9°45'19	7♎45	18°D35	17°12	14°10	27°44	2°29	10°37	14°19	24°29	26°39	25°58	23°31	n.a.	T 8
F 9	10 34 59	10°43'58	22°22	18°39	18°26	14°50	27°47	2°25	10°38	14°17	24°30	26°30	25°55	23°37	n.a.	F 9
S 10	10 38 56	11°42'36	6♏30	18°48	19°39	15°31	27°49	2°21	10°39	14°16	24°30	26°23	25°52	23°44	n.a.	S 10
S 11	10 42 52	12°41'12	20° 8	19° 3	20°53	16°12	27°52	2°17	10°39	14°14	24°31	26°19	25°49	23°51	n.a.	S 11
M12	10 46 49	13°39'46	3♐17	19°22	22° 6	16°53	27°54	2°13	10°40	14°13	24°32	26°17	25°46	23°58	n.a.	M12
T 13	10 50 45	14°38'18	16° 1	19°46	23°19	17°33	27°56	2° 9	10°40	14°12	24°32	26°D17	25°42	24° 4	n.a.	T 13
W14	10 54 42	15°36'49	28°24	20°15	24°33	18°14	27°58	2° 5	10°41	14°10	24°33	26°R17	25°39	24°11	n.a.	W14
T 15	10 58 38	16°35'18	10♑31	20°47	25°46	18°54	28° 0	2° 1	10°41	14° 9	24°33	26°16	25°36	24°18	n.a.	T 15
F 16	11 2 35	17°33'45	22°28	21°24	27° 0	19°35	28° 1	1°56	10°42	14° 8	24°34	26°14	25°33	24°24	n.a.	F 16
S 17	11 6 31	18°32'10	4♒18	22° 4	28°13	20°15	28° 2	1°52	10°42	14° 6	24°34	26° 9	25°30	24°31	n.a.	S 17
S 18	11 10 28	19°30'34	16° 7	22°48	29°27	20°56	28° 3	1°48	10°42	14° 5	24°35	26° 1	25°26	24°38	n.a.	S 18
M19	11 14 24	20°28'55	27°57	23°36	0♓40	21°36	28° 4	1°43	10°43	14° 4	24°35	25°51	25°23	24°45	n.a.	M19
T 20	11 18 21	21°27'15	9♓50	24°27	1°53	22°17	28° 5	1°39	10°43	14° 2	24°36	25°38	25°20	24°51	n.a.	T 20
W21	11 22 18	22°25'33	21°49	25°21	3° 7	22°57	28° 6	1°35	10°43	14° 1	24°36	25°24	25°17	24°58	n.a.	W21
T 22	11 26 14	23°23'49	3♈54	26°19	4°20	23°38	28° 6	1°30	10°43	14° 0	24°36	25°10	25°14	25° 5	n.a.	T 22
F 23	11 30 11	24°22'03	16° 6	27°19	5°34	24°18	28°R 6	1°26	10°R43	13°59	24°37	24°57	25°11	25°11	n.a.	F 23
S 24	11 34 7	25°20'15	28°27	28°22	6°47	24°58	28° 6	1°21	10°43	13°58	24°37	24°46	25° 7	25°18	n.a.	S 24
S 25	11 38 4	26°18'25	10♉58	29°28	8° 1	25°38	28° 6	1°17	10°43	13°57	24°37	24°38	25° 4	25°25	n.a.	S 25
M26	11 42 0	27°16'33	23°40	0♓36	9°14	26°19	28° 6	1°12	10°43	13°55	24°38	24°33	25° 1	25°31	n.a.	M26
T 27	11 45 57	28°14'39	6♊36	1°47	10°27	26°59	28° 5	1° 8	10°43	13°54	24°38	24°30	24°58	25°38	n.a.	T 27
W28	11 49 53	29°12'43	19°49	3° 0	11°41	27°39	28° 4	1° 4	10°43	13°53	24°38	24°29	24°55	25°45	n.a.	W28
T 29	11 53 50	0♈10'45	3♋21	4°16	12°54	28°19	28° 3	0°59	10°42	13°52	24°38	24°29	24°52	25°52	n.a.	T 29
F 30	11 57 47	1° 8'45	17°15	5°34	14° 8	28°59	28° 2	0°55	10°42	13°51	24°38	24°29	24°48	25°58	n.a.	F 30
S 31	12 1 43	2♈ 6'42	1♌30	6♓54	15♓21	29♈39	28♏ 1	0♎50	10♐42	13♑50	24♐38	24♊26	24♊45	26♒ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	10s35	23n17	0s20	12s44	2n13	19s24	1s 5	3n50	0n 4	19s11	0n41	1n24	2n49	22s26	0s 6	17n48	1n 8	26s19	2s40	23n45	23n44	18s10			n.a.
F 2	10 14	24 28	0n54	13 9	1 58	19 6	1 6	4 7	0 5	19 12	0 41	1 26	2 50	22 26	0 6	17 48	1 8	26 20	2 40	23 45	23 44	18 9			n.a.
S 3	9 52	24 2	2 8	13 32	1 43	18 47	1 8	4 24	0 6	19 12	0 41	1 27	2 50	22 26	0 6	17 49	1 8	26 20	2 40	23 45	23 44	18 7			n.a.
S 4	9 30	21 54	3 14	13 54	1 27	18 28	1 10	4 41	0 7	19 13	0 41	1 29	2 50	22 27	0 6	17 49	1 8	26 20	2 41	23 45	23 43	18 5			n.a.
M 5	9 8	18 12	4 8	14 14	1 12	18 8	1 11	4 58	0 7	19 14	0 41	1 31	2 50	22 27	0 6	17 50	1 8	26 20	2 41	23 45	23 43	18 3			n.a.
T 6	8 46	13 16	4 45	14 33	0 56	17 48	1 13	5 15	0 8	19 15	0 41	1 32	2 50	22 27	0 6	17 50	1 8	26 20	2 41	23 45	23 43	18 1			n.a.
W 7	8 24	7 31	5 1	14 49	0 41	17 27	1 14	5 31	0 8	19 16	0 41	1 34	2 50	22 27	0 6	17 50	1 8	26 21	2 41	23 44	23 43	18 0			n.a.
T 8	8 1	1 25	4 56	15 3	0 26	17 6	1 16	5 48	0 9	19 16	0 41	1 36	2 50	22 27	0 6	17 51	1 8	26 21	2 41	23 44	23 43	17 58			n.a.
F 9	7 39	4s37	4 32	15 16	0 12	16 44	1 17	6 5	0 10	19 17	0 41	1 37	2 50	22 27	0 6	17 51	1 8	26 21	2 41	23 44	23 43	17 56			n.a.
S 10	7 16	10 14	3 52	15 26	0s 2	16 22	1 18	6 21	0 10	19 17	0 41	1 39	2 51	22 27	0 6	17 52	1 8	26 21	2 42	23 44	23 43	17 54			n.a.
S 11	6 54	15 9	2 59	15 35	0 16	16 0	1 20	6 38	0 11	19 18	0 41	1 41	2 51	22 27	0 6	17 52	1 8	26 21	2 42	23 44	23 43	17 52			n.a.
M12	6 31	19 10	1 59	15 41	0 29	15 37	1 21	6 54	0 12	19 18	0 41	1 43	2 51	22 28	0 6	17 53	1 8	26 22	2 42	23 44	23 43	17 50			n.a.
T 13	6 8	22 8	0 54	15 45	0 42	15 13	1 22	7 10	0 12	19 19	0 41	1 44	2 51	22 28	0 6	17 53	1 8	26 22	2 42	23 44	23 43	17 49			n.a.
W14	5 45	23 57	0s11	15 47	0 53	14 49	1 23	7 27	0 13	19 19	0 41	1 46	2 51	22 28	0 6	17 53	1 8	26 22	2 42	23 44	23 42	17 47			n.a.
T 15	5 22	24 36	1 15	15 47	1 5	14 25	1 24	7 43	0 14	19 20	0 41	1 48	2 51	22 28	0 6	17 54	1 8	26 22	2 42	23 44	23 42	17 45			n.a.
F 16	4 59	24 5	2 14	15 46	1 15	14 1	1 25	7 59	0 14	19 20	0 41	1 50	2 51	22 28	0 6	17 54	1 8	26 22	2 43	23 44	23 42	17 43			n.a.
S 17	4 36	22 28	3 7	15 42	1 25	13 36	1 26	8 15	0 15	19 20	0 41	1 52	2 51	22 28	0 6	17 54	1 8	26 23	2 43	23 43	23 42	17 41			n.a.
S 18	4 13	19 54	3 51	15 36	1 35	13 10	1 26	8 31	0 15	19 21	0 41	1 53	2 51	22 28	0 6	17 55	1 8	26 23	2 43	23 43	23 42	17 39			n.a.
M19	3 49	16 30	4 25	15 28	1 44	12 45	1 27	8 47	0 16	19 21	0 41	1 55	2 51	22 28	0 6	17 55	1 8	26 23	2 43	23 43	23 42	17 37			n.a.
T 20	3 26	12 26	4 48	15 19	1 52	12 19	1 28	9 3	0 17	19 21	0 41	1 57	2 51	22 28	0 6	17 56	1 8	26 23	2 43	23 42	23 42	17 35			n.a.
W21	3 3	7 51	4 59	15 7	1 59	11 52	1 28	9 19	0 17	19 21	0 41	1 59	2 52	22 28	0 6	17 56	1 8	26 23	2 43	23 42	23 42	17 34			n.a.
T 22	2 39	2 57	4 56	14 54	2 6	11 26	1 29	9 34	0 18	19 21	0 41	2 1	2 52	22 28	0 6	17 56	1 8	26 23	2 44	23 41	23 42	17 32			n.a.
F 23	2 16	2n 8	4 40	14 39	2 13	10 59	1 29	9 50	0 18	19 21	0 41	2 2	2 52	22 28	0 6	17 57	1 8	26 24	2 44	23 41	23 41	17 30			n.a.
S 24	1 53	7 11	4 10	14 22	2 18	10 32	1 29	10 6	0 19	19 21	0 41	2 4	2 52	22 28	0 6	17 57	1 8	26 24	2 44	23 40	23 41	17 28			n.a.
S 25	1 29	12 2	3 28	14 3	2 23	10 4	1 30	10 21	0 20	19 21	0 41	2 6	2 52	22 28	0 6	17 57	1 8	26 24	2 44	23 40	23 41	17 26			n.a.
M26	1 6	16 27	2 35	13 43	2 28	9 36	1 30	10 36	0 20	19 21	0 41	2 8	2 52	22 28	0 6	17 58	1 8	26 24	2 44	23 40	23 41	17 24			n.a.
T 27	0 42	20 12	1 33	13 20	2 31	9 8	1 30	10 52	0 21	19 21	0 41	2 10	2 52	22 28	0 6	17 58	1 7	26 24	2 44	23 40	23 41	17 22			n.a.
W28	0 19	22 58	0 25	12 56	2 34	8 40	1 30	11 7	0 21	19 21	0 41	2 12	2 52	22 28	0 6	17 58	1 7	26 25	2 45	23 40	23 41	17 20			n.a.
T 29	0n 4	24 31	0n47	12 31	2 37	8 11	1 30	11 22	0 22	19 21	0 41	2 13	2 52	22 28	0 6	17 58	1 7	26 25	2 45	23 40	23 41	17 18			n.a.
F 30	0 28	24 35	1 57	12 3	2 39	7 43	1 30	11 37	0 22	19 20	0 41	2 15	2 52	22 28	0 6	17 59	1 7	26 25	2 45	23 40	23 41	17 16			n.a.
S 31	0n51	23n 4	3n 2	11s34	2s40	7s14	1s30	11n52	0n23	19s20	0n41	2n17	2n52	22s28	0s 6	17n59	1n 7	26s25	2s45	23n40	23n40	17s14			n.a.

Julian Day Number = 1466537.5, Delta T = 05h34m44s
Ecliptic obliquity = 23°46'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'40, Lahiri = -13°35'40 Julian Calendar 1 March 698 BCE == Greg. Calendar 22 Feb. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

APRIL 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 5 40	3♈ 4'38	16♌ 6	8♓17	16♓34	0♉19	27°R59	0°R46	10°R41	13°R49	24♐39	24°R22	24♊42	26♒12	n.a.	S 1
M 2	12 9 36	4° 2'32	0♍59	9°41	17°48	0°59	27♏58	0♎41	10♐41	13♌48	24°39	24♊14	24°39	26°18	n.a.	M 2
T 3	12 13 33	5° 0'24	16° 2	11° 8	19° 1	1°39	27°56	0°37	10°40	13°47	24°R39	24° 5	24°36	26°25	n.a.	T 3
W 4	12 17 29	5°58'14	1♎ 4	12°37	20°15	2°19	27°54	0°32	10°40	13°46	24°39	23°54	24°32	26°32	n.a.	W 4
T 5	12 21 26	6°56'02	15°57	14° 8	21°28	2°59	27°51	0°28	10°39	13°46	24°39	23°43	24°29	26°39	n.a.	T 5
F 6	12 25 22	7°53'49	0♏32	15°41	22°41	3°39	27°49	0°23	10°39	13°45	24°39	23°34	24°26	26°45	n.a.	F 6
S 7	12 29 19	8°51'35	14°41	17°16	23°55	4°19	27°46	0°19	10°38	13°44	24°38	23°27	24°23	26°52	n.a.	S 7
S 8	12 33 15	9°49'19	28°23	18°54	25° 8	4°59	27°44	0°15	10°37	13°43	24°38	23°22	24°20	26°59	n.a.	S 8
M 9	12 37 12	10°47'02	11♐37	20°33	26°22	5°38	27°41	0°10	10°36	13°42	24°38	23°20	24°17	27° 5	n.a.	M 9
T 10	12 41 9	11°44'43	24°25	22°14	27°35	6°18	27°37	0° 6	10°36	13°42	24°38	23°D20	24°13	27°12	n.a.	T 10
W11	12 45 5	12°42'24	6♑51	23°57	28°49	6°58	27°34	0° 1	10°35	13°41	24°38	23°R20	24°10	27°19	n.a.	W11
T 12	12 49 2	13°40'03	19° 0	25°43	0♈ 2	7°38	27°31	29♍57	10°34	13°40	24°38	23°20	24° 7	27°25	n.a.	T 12
F 13	12 52 58	14°37'41	0♒58	27°30	1°15	8°17	27°27	29°53	10°33	13°40	24°37	23°19	24° 4	27°32	n.a.	F 13
S 14	12 56 55	15°35'18	12°50	29°19	2°29	8°57	27°23	29°49	10°32	13°39	24°37	23°15	24° 1	27°39	n.a.	S 14
S 15	13 0 51	16°32'54	24°40	1♈11	3°42	9°36	27°19	29°44	10°31	13°39	24°37	23° 9	23°57	27°46	n.a.	S 15
M16	13 4 48	17°30'28	6♓32	3° 4	4°56	10°16	27°15	29°40	10°30	13°38	24°36	23° 1	23°54	27°52	n.a.	M16
T 17	13 8 44	18°28'02	18°30	5° 0	6° 9	10°56	27°11	29°36	10°29	13°38	24°36	22°51	23°51	27°59	n.a.	T 17
W18	13 12 41	19°25'34	0♈35	6°57	7°23	11°35	27° 6	29°32	10°27	13°37	24°36	22°40	23°48	28° 6	n.a.	W18
T 19	13 16 38	20°23'05	12°50	8°57	8°36	12°15	27° 2	29°28	10°26	13°37	24°35	22°28	23°45	28°12	n.a.	T 19
F 20	13 20 34	21°20'35	25°16	10°58	9°49	12°54	26°57	29°24	10°25	13°36	24°35	22°17	23°42	28°19	n.a.	F 20
S 21	13 24 31	22°18'03	7♉52	13° 1	11° 3	13°34	26°52	29°20	10°24	13°36	24°34	22° 9	23°38	28°26	n.a.	S 21
S 22	13 28 27	23°15'31	20°39	15° 6	12°16	14°13	26°47	29°16	10°22	13°35	24°34	22° 2	23°35	28°33	n.a.	S 22
M23	13 32 24	24°12'57	3♊38	17°12	13°30	14°52	26°41	29°12	10°21	13°35	24°33	21°58	23°32	28°39	n.a.	M23
T 24	13 36 20	25°10'22	16°49	19°19	14°43	15°32	26°36	29° 8	10°19	13°35	24°33	21°D57	23°29	28°46	n.a.	T 24
W25	13 40 17	26° 7'46	0♋13	21°28	15°57	16°11	26°31	29° 5	10°18	13°35	24°32	21°57	23°26	28°53	n.a.	W25
T 26	13 44 13	27° 5'08	13°50	23°38	17°10	16°50	26°25	29° 1	10°16	13°34	24°32	21°58	23°23	28°59	n.a.	T 26
F 27	13 48 10	28° 2'29	27°43	25°49	18°24	17°30	26°19	28°57	10°15	13°34	24°31	21°R58	23°19	29° 6	n.a.	F 27
S 28	13 52 7	28°59'49	11♌50	28° 0	19°37	18° 9	26°13	28°54	10°13	13°34	24°30	21°58	23°16	29°13	n.a.	S 28
S 29	13 56 3	29°57'07	26°11	0♉12	20°51	18°48	26° 7	28°50	10°12	13°34	24°30	21°55	23°13	29°20	n.a.	S 29
M30	14 0 0	0♉54'24	10♍44	2♉24	22♈ 4	19♉28	26♏ 1	28♍47	10♐10	13♌34	24♐29	21♊50	23♊10	29♒26	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n14	20n 0	3n57	11s 4	2s41	6s45	1s30	12n 7	0n24	19s20	0n41	2n19	2n52	22s28	0s 6	17n59	1n 7	26s25	2s45	23n39	23n40	17s12		n.a.
M 2	1 38	15 35	4 37	10 32	2 41	6 16	1 29	12 21	0 24	19 19	0 41	2 21	2 52	22 28	0 6	18 0	1 7	26 25	2 45	23 39	23 40	17 10		n.a.
T 3	2 1	10 9	4 58	9 58	2 41	5 46	1 29	12 36	0 25	19 19	0 41	2 22	2 52	22 28	0 6	18 0	1 7	26 26	2 46	23 39	23 40	17 9		n.a.
W 4	2 24	4 7	4 58	9 22	2 40	5 17	1 29	12 51	0 25	19 18	0 41	2 24	2 52	22 28	0 6	18 0	1 7	26 26	2 46	23 38	23 40	17 7		n.a.
T 5	2 47	2s 5	4 39	8 45	2 38	4 47	1 28	13 5	0 26	19 18	0 41	2 26	2 52	22 28	0 6	18 0	1 7	26 26	2 46	23 38	23 40	17 5		n.a.
F 6	3 11	8 4	4 1	8 6	2 36	4 17	1 28	13 19	0 26	19 17	0 41	2 28	2 52	22 28	0 6	18 0	1 7	26 26	2 46	23 37	23 40	17 3		n.a.
S 7	3 34	13 28	3 9	7 26	2 33	3 47	1 27	13 33	0 27	19 17	0 41	2 29	2 52	22 28	0 6	18 1	1 7	26 26	2 46	23 37	23 40	17 1		n.a.
S 8	3 57	18 0	2 8	6 45	2 30	3 17	1 27	13 48	0 27	19 16	0 41	2 31	2 52	22 28	0 6	18 1	1 7	26 26	2 46	23 37	23 39	16 59		n.a.
M 9	4 20	21 29	1 2	6 1	2 26	2 47	1 26	14 2	0 28	19 16	0 41	2 33	2 52	22 27	0 6	18 1	1 7	26 27	2 47	23 37	23 39	16 57		n.a.
T 10	4 42	23 45	0s 6	5 17	2 21	2 16	1 25	14 15	0 28	19 15	0 41	2 35	2 51	22 27	0 6	18 1	1 7	26 27	2 47	23 37	23 39	16 55		n.a.
W11	5 5	24 47	1 11	4 31	2 16	1 46	1 24	14 29	0 29	19 14	0 41	2 36	2 51	22 27	0 6	18 1	1 7	26 27	2 47	23 37	23 39	16 53		n.a.
T 12	5 28	24 35	2 12	3 43	2 11	1 16	1 23	14 43	0 29	19 13	0 41	2 38	2 51	22 27	0 6	18 2	1 7	26 27	2 47	23 37	23 39	16 51		n.a.
F 13	5 51	23 15	3 6	2 54	2 5	0 45	1 23	14 56	0 30	19 13	0 41	2 40	2 51	22 27	0 6	18 2	1 7	26 27	2 47	23 36	23 39	16 49		n.a.
S 14	6 13	20 53	3 51	2 4	1 58	0 15	1 22	15 10	0 30	19 12	0 41	2 41	2 51	22 27	0 6	18 2	1 7	26 27	2 47	23 36	23 39	16 47		n.a.
S 15	6 36	17 40	4 27	1 13	1 51	0n16	1 20	15 23	0 31	19 11	0 41	2 43	2 51	22 27	0 6	18 2	1 7	26 27	2 48	23 36	23 38	16 45		n.a.
M16	6 58	13 43	4 50	0 20	1 43	0 46	1 19	15 36	0 31	19 10	0 41	2 44	2 51	22 27	0 6	18 2	1 7	26 28	2 48	23 36	23 38	16 43		n.a.
T 17	7 20	9 14	5 2	0n34	1 35	1 17	1 18	15 49	0 32	19 9	0 41	2 46	2 51	22 26	0 6	18 2	1 7	26 28	2 48	23 35	23 38	16 41		n.a.
W18	7 42	4 20	5 0	1 29	1 27	1 48	1 17	16 2	0 32	19 8	0 40	2 48	2 51	22 26	0 6	18 2	1 7	26 28	2 48	23 34	23 38	16 39		n.a.
T 19	8 4	0n47	4 44	2 24	1 18	2 18	1 16	16 15	0 33	19 7	0 40	2 49	2 51	22 26	0 6	18 3	1 7	26 28	2 48	23 34	23 38	16 37		n.a.
F 20	8 26	5 58	4 15	3 21	1 8	2 49	1 14	16 28	0 33	19 6	0 40	2 51	2 51	22 26	0 6	18 3	1 7	26 28	2 48	23 33	23 38	16 35		n.a.
S 21	8 48	10 59	3 33	4 19	0 59	3 19	1 13	16 40	0 34	19 5	0 40	2 52	2 50	22 26	0 6	18 3	1 7	26 28	2 49	23 33	23 37	16 32		n.a.
S 22	9 10	15 37	2 39	5 17	0 49	3 49	1 12	16 53	0 34	19 4	0 40	2 54	2 50	22 26	0 6	18 3	1 7	26 28	2 49	23 32	23 37	16 30		n.a.
M23	9 31	19 36	1 36	6 15	0 39	4 20	1 10	17 5	0 35	19 2	0 40	2 55	2 50	22 25	0 6	18 3	1 7	26 29	2 49	23 32	23 37	16 28		n.a.
T 24	9 53	22 40	0 27	7 14	0 28	4 50	1 9	17 17	0 35	19 1	0 40	2 56	2 50	22 25	0 6	18 3	1 7	26 29	2 49	23 32	23 37	16 26		n.a.
W25	10 14	24 31	0n44	8 13	0 18	5 20	1 7	17 29	0 36	19 0	0 40	2 58	2 50	22 25	0 6	18 3	1 7	26 29	2 49	23 32	23 37	16 24		n.a.
T 26	10 35	24 57	1 55	9 12	0 7	5 50	1 5	17 41	0 36	18 59	0 40	2 59	2 50	22 25	0 6	18 3	1 7	26 29	2 49	23 32	23 37	16 22		n.a.
F 27	10 56	23 51	3 0	10 10	0n 4	6 20	1 4	17 53	0 37	18 57	0 40	3 0	2 50	22 25	0 6	18 3	1 7	26 29	2 49	23 32	23 37	16 20		n.a.
S 28	11 16	21 14	3 55	11 8	0 14	6 50	1 2	18 4	0 37	18 56	0 40	3 2	2 49	22 24	0 6	18 3	1 7	26 29	2 50	23 32	23 36	16 18		n.a.
S 29	11 37	17 17	4 37	12 5	0 24	7 19	1 0	18 16	0 38	18 55	0 40	3 3	2 49	22 24	0 6	18 3	1 7	26 29	2 50	23 32	23 36	16 16		n.a.
M30	11n57	12n16	5n 1	13n 1	0n35	7n49	0s58	18n27	0n38	18s53	0n40	3n 4	2n49	22s24	0s 7	18n 3	1n 7	26s30	2s50	23n31	23n36	16s14		n.a.

Julian Day Number = 1466568.5, Delta T = 05h34m42s
Ecliptic obliquity = 23°46'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'36, Lahiri = -13°35'36 Julian Calendar 1 Apr. 698 BCE == Greg. Calendar 25 March 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

MAY 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 3 56	1♉51'40	25♍23	4♉35	23♈18	20♉ 7	25°R55	28°R43	10°R 8	13°R34	24°R28	21°R44	23♊ 7	29♒33	n.a.	T 1
W 2	14 7 53	2°48'54	10♎ 1	6°46	24°31	20°46	25♏48	28♍40	10♐ 6	13♌34	24♐28	21♊37	23° 3	29°40	n.a.	W 2
T 3	14 11 49	3°46'08	24°33	8°56	25°45	21°25	25°42	28°37	10° 5	13°D34	24°27	21°29	23° 0	29°46	n.a.	T 3
F 4	14 15 46	4°43'21	8♏50	11° 5	26°58	22° 4	25°35	28°34	10° 3	13°34	24°26	21°23	22°57	29°53	n.a.	F 4
S 5	14 19 42	5°40'34	22°49	13°14	28°12	22°43	25°29	28°30	10° 1	13°34	24°25	21°18	22°54	29°59	n.a.	S 5
S 6	14 23 39	6°37'45	6♐24	15°20	29°25	23°22	25°22	28°27	9°59	13°34	24°24	21°15	22°51	0♓ 7	n.a.	S 6
M 7	14 27 36	7°34'56	19°35	17°25	0♉39	24° 1	25°15	28°24	9°57	13°34	24°23	21°D14	22°48	0°13	n.a.	M 7
T 8	14 31 32	8°32'07	2♑24	19°28	1°52	24°40	25° 8	28°22	9°55	13°34	24°23	21°15	22°44	0°20	n.a.	T 8
W 9	14 35 29	9°29'17	14°52	21°30	3° 6	25°19	25° 1	28°19	9°53	13°34	24°22	21°16	22°41	0°27	n.a.	W 9
T 10	14 39 25	10°26'27	27° 4	23°29	4°19	25°58	24°54	28°16	9°52	13°34	24°21	21°17	22°38	0°33	n.a.	T 10
F 11	14 43 22	11°23'37	9♒ 4	25°26	5°33	26°37	24°46	28°13	9°50	13°35	24°20	21°R18	22°35	0°40	n.a.	F 11
S 12	14 47 18	12°20'46	20°58	27°21	6°46	27°16	24°39	28°11	9°47	13°35	24°19	21°18	22°32	0°47	n.a.	S 12
S 13	14 51 15	13°17'55	2♓50	29°14	8° 0	27°55	24°32	28° 8	9°45	13°35	24°18	21°16	22°29	0°54	n.a.	S 13
M14	14 55 12	14°15'04	14°45	1♊ 4	9°13	28°34	24°24	28° 6	9°43	13°36	24°17	21°12	22°25	1° 0	n.a.	M14
T 15	14 59 8	15°12'12	26°47	2°52	10°27	29°13	24°17	28° 3	9°41	13°36	24°16	21° 8	22°22	1° 7	n.a.	T 15
W16	15 3 5	16° 9'20	8♈59	4°38	11°40	29°52	24°10	28° 1	9°39	13°36	24°15	21° 2	22°19	1°14	n.a.	W16
T 17	15 7 1	17° 6'28	21°23	6°22	12°54	0♊31	24° 2	27°59	9°37	13°37	24°14	20°56	22°16	1°20	n.a.	T 17
F 18	15 10 58	18° 3'36	4♉ 1	8° 3	14° 8	1°10	23°54	27°57	9°35	13°37	24°13	20°51	22°13	1°27	n.a.	F 18
S 19	15 14 54	19° 0'43	16°54	9°42	15°21	1°49	23°47	27°55	9°33	13°38	24°12	20°46	22° 9	1°34	n.a.	S 19
S 20	15 18 51	19°57'51	0♊ 2	11°18	16°35	2°27	23°39	27°53	9°30	13°38	24°11	20°43	22° 6	1°41	n.a.	S 20
M21	15 22 47	20°54'58	13°23	12°52	17°49	3° 6	23°32	27°51	9°28	13°39	24° 9	20°42	22° 3	1°47	n.a.	M21
T 22	15 26 44	21°52'04	26°56	14°24	19° 2	3°45	23°24	27°49	9°26	13°40	24° 8	20°D42	22° 0	1°54	n.a.	T 22
W23	15 30 41	22°49'11	10♋41	15°53	20°16	4°24	23°16	27°48	9°24	13°40	24° 7	20°43	21°57	2° 1	n.a.	W23
T 24	15 34 37	23°46'17	24°35	17°20	21°29	5° 2	23° 9	27°46	9°21	13°41	24° 6	20°44	21°54	2° 7	n.a.	T 24
F 25	15 38 34	24°43'23	8♌38	18°44	22°43	5°41	23° 1	27°45	9°19	13°42	24° 5	20°45	21°50	2°14	n.a.	F 25
S 26	15 42 30	25°40'28	22°47	20° 6	23°57	6°20	22°53	27°43	9°17	13°42	24° 4	20°R46	21°47	2°21	n.a.	S 26
S 27	15 46 27	26°37'33	7♍ 1	21°25	25°10	6°59	22°46	27°42	9°14	13°43	24° 2	20°46	21°44	2°28	n.a.	S 27
M28	15 50 23	27°34'37	21°18	22°42	26°24	7°37	22°38	27°41	9°12	13°44	24° 1	20°44	21°41	2°34	n.a.	M28
T 29	15 54 20	28°31'41	5♎34	23°56	27°38	8°16	22°30	27°40	9°10	13°45	24° 0	20°42	21°38	2°41	n.a.	T 29
W30	15 58 16	29°28'45	19°46	25° 7	28°52	8°55	22°23	27°39	9° 7	13°46	23°59	20°39	21°35	2°48	n.a.	W30
T 31	16 2 13	0♊25'49	3♏50	26♊15	0♊ 5	9♊33	22♏15	27♍38	9♐ 5	13♌46	23♐57	20♊37	21♊31	2♓54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	12n17	6n32	5n 6	13n56	0n45	8n18	0s57	18n39	0n39	18s52	0n40	3n 6	2n49	22s24	0s 7	18n 3	1n 7	26s30	2s50	23n31	23n36	16s12			n.a.
W 2	12 37	0 26	4 51	14 49	0 54	8 47	0 55	18 50	0 39	18 51	0 40	3 7	2 49	22 23	0 7	18 3	1 7	26 30	2 50	23 31	23 36	16 10			n.a.
T 3	12 57	5s39	4 18	15 41	1 3	9 16	0 53	19 0	0 40	18 49	0 39	3 8	2 49	22 23	0 7	18 3	1 7	26 30	2 50	23 30	23 36	16 8			n.a.
F 4	13 17	11 22	3 28	16 30	1 12	9 45	0 51	19 11	0 40	18 48	0 39	3 9	2 48	22 23	0 7	18 3	1 7	26 30	2 51	23 30	23 35	16 6			n.a.
S 5	13 36	16 22	2 27	17 18	1 20	10 13	0 49	19 22	0 40	18 46	0 39	3 10	2 48	22 23	0 7	18 3	1 7	26 30	2 51	23 29	23 35	16 3			n.a.
S 6	13 55	20 23	1 19	18 4	1 28	10 42	0 47	19 32	0 41	18 44	0 39	3 11	2 48	22 22	0 7	18 3	1 7	26 30	2 51	23 29	23 35	16 1			n.a.
M 7	14 14	23 13	0 9	18 47	1 35	11 10	0 45	19 43	0 41	18 43	0 39	3 12	2 48	22 22	0 7	18 3	1 7	26 30	2 51	23 29	23 35	15 59			n.a.
T 8	14 33	24 46	1s 0	19 28	1 41	11 38	0 43	19 53	0 42	18 41	0 39	3 13	2 48	22 22	0 7	18 3	1 7	26 30	2 51	23 29	23 35	15 57			n.a.
W 9	14 51	25 0	2 5	20 7	1 47	12 5	0 41	20 3	0 42	18 40	0 39	3 14	2 48	22 22	0 7	18 3	1 7	26 31	2 51	23 29	23 34	15 55			n.a.
T 10	15 10	24 1	3 2	20 43	1 52	12 32	0 38	20 13	0 43	18 38	0 39	3 15	2 47	22 21	0 7	18 3	1 6	26 31	2 51	23 29	23 34	15 53			n.a.
F 11	15 28	21 56	3 50	21 16	1 56	12 59	0 36	20 22	0 43	18 36	0 39	3 16	2 47	22 21	0 7	18 3	1 6	26 31	2 52	23 29	23 34	15 51			n.a.
S 12	15 46	18 56	4 28	21 47	2 0	13 26	0 34	20 32	0 43	18 35	0 39	3 17	2 47	22 21	0 7	18 2	1 6	26 31	2 52	23 29	23 34	15 49			n.a.
S 13	16 3	15 10	4 55	22 16	2 3	13 52	0 32	20 41	0 44	18 33	0 38	3 18	2 47	22 20	0 7	18 2	1 6	26 31	2 52	23 29	23 34	15 46			n.a.
M14	16 20	10 49	5 9	22 42	2 5	14 18	0 30	20 51	0 44	18 31	0 38	3 18	2 47	22 20	0 7	18 2	1 6	26 31	2 52	23 29	23 34	15 44			n.a.
T 15	16 38	6 1	5 9	23 6	2 6	14 44	0 27	21 0	0 45	18 30	0 38	3 19	2 46	22 20	0 7	18 2	1 6	26 31	2 52	23 29	23 33	15 42			n.a.
W16	16 54	0 55	4 56	23 27	2 7	15 9	0 25	21 9	0 45	18 28	0 38	3 20	2 46	22 19	0 7	18 2	1 6	26 31	2 52	23 28	23 33	15 40			n.a.
T 17	17 11	4n19	4 28	23 46	2 7	15 34	0 23	21 17	0 45	18 26	0 38	3 21	2 46	22 19	0 7	18 2	1 6	26 31	2 52	23 28	23 33	15 38			n.a.
F 18	17 27	9 29	3 47	24 3	2 7	15 59	0 20	21 26	0 46	18 24	0 38	3 21	2 46	22 19	0 7	18 2	1 6	26 31	2 53	23 27	23 33	15 36			n.a.
S 19	17 43	14 21	2 54	24 17	2 5	16 23	0 18	21 34	0 46	18 23	0 38	3 22	2 45	22 18	0 7	18 1	1 6	26 32	2 53	23 27	23 33	15 33			n.a.
S 20	17 59	18 39	1 51	24 30	2 4	16 47	0 16	21 43	0 47	18 21	0 38	3 22	2 45	22 18	0 7	18 1	1 6	26 32	2 53	23 27	23 32	15 31			n.a.
M21	18 14	22 4	0 40	24 40	2 1	17 10	0 14	21 51	0 47	18 19	0 37	3 23	2 45	22 18	0 7	18 1	1 6	26 32	2 53	23 27	23 32	15 29			n.a.
T 22	18 29	24 19	0n34	24 48	1 58	17 33	0 11	21 59	0 47	18 17	0 37	3 23	2 45	22 17	0 7	18 1	1 6	26 32	2 53	23 27	23 32	15 27			n.a.
W23	18 44	25 8	1 47	24 54	1 54	17 55	0 9	22 6	0 48	18 15	0 37	3 24	2 44	22 17	0 7	18 1	1 6	26 32	2 53	23 27	23 32	15 25			n.a.
T 24	18 59	24 23	2 55	24 59	1 49	18 17	0 6	22 14	0 48	18 14	0 37	3 24	2 44	22 17	0 7	18 0	1 6	26 32	2 53	23 27	23 32	15 22			n.a.
F 25	19 13	22 6	3 53	25 1	1 44	18 39	0 4	22 21	0 49	18 12	0 37	3 25	2 44	22 16	0 7	18 0	1 6	26 32	2 54	23 27	23 31	15 20			n.a.
S 26	19 27	18 28	4 38	25 2	1 38	19 0	0 2	22 29	0 49	18 10	0 37	3 25	2 44	22 16	0 7	18 0	1 6	26 32	2 54	23 27	23 31	15 18			n.a.
S 27	19 41	13 46	5 5	25 1	1 32	19 20	0n 1	22 36	0 49	18 8	0 37	3 25	2 43	22 16	0 7	18 0	1 6	26 32	2 54	23 27	23 31	15 16			n.a.
M28	19 54	8 17	5 14	24 59	1 25	19 40	0 3	22 42	0 50	18 6	0 36	3 26	2 43	22 15	0 7	17 59	1 6	26 32	2 54	23 27	23 31	15 14			n.a.
T 29	20 7	2 23	5 4	24 56	1 17	20 0	0 5	22 49	0 50	18 4	0 36	3 26	2 43	22 15	0 7	17 59	1 6	26 32	2 54	23 27	23 31	15 11			n.a.
W30	20 20	3s36	4 35	24 50	1 9	20 19	0 8	22 56	0 50	18 3	0 36	3 26	2 43	22 15	0 7	17 59	1 6	26 32	2 54	23 27	23 30	15 9			n.a.
T 31	20n32	9s23	3n49	24n44	1n 1	20n37	0n10	23n 2	0n51	18s 1	0n36	3n26	2n42	22s14	0s 7	17n59	1n 6	26s32	2s54	23n27	23n30	15s 7			n.a.

Julian Day Number = 1466598.5, Delta T = 05h34m41s
Ecliptic obliquity = 23°46'47, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'32, Lahiri = -13°35'32 Julian Calendar 1 May 698 BCE == Greg. Calendar 24 Apr. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

JUNE 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 6 10	1♊22'53	17♏42	27♊21	1♊19	10♊12	22°R 8	27°R37	9°R 2	13♘47	23°R56	20°R34	21♊28	3♓ 1	n.a.	F 1
S 2	16 10 6	2°19'57	1♐19	28°24	2°33	10°50	22♏ 0	27♍36	9♐ 0	13°48	23♐55	20♊33	21°25	3° 8	n.a.	S 2
S 3	16 14 3	3°17'01	14°38	29°23	3°46	11°29	21°53	27°35	8°58	13°49	23°54	20°D32	21°22	3°15	n.a.	S 3
M 4	16 17 59	4°14'06	27°38	0♋20	5° 0	12° 7	21°45	27°35	8°55	13°50	23°52	20°32	21°19	3°21	n.a.	M 4
T 5	16 21 56	5°11'11	10♉21	1°13	6°14	12°46	21°38	27°34	8°53	13°51	23°51	20°32	21°15	3°28	n.a.	T 5
W 6	16 25 52	6° 8'16	22°46	2° 3	7°28	13°25	21°31	27°34	8°50	13°52	23°50	20°34	21°12	3°35	n.a.	W 6
T 7	16 29 49	7° 5'22	4♒58	2°49	8°41	14° 3	21°24	27°34	8°48	13°53	23°48	20°35	21° 9	3°41	n.a.	T 7
F 8	16 33 46	8° 2'29	16°59	3°32	9°55	14°42	21°17	27°34	8°46	13°55	23°47	20°36	21° 6	3°48	n.a.	F 8
S 9	16 37 42	8°59'36	28°54	4°11	11° 9	15°20	21°10	27°D34	8°43	13°56	23°45	20°37	21° 3	3°55	n.a.	S 9
S 10	16 41 39	9°56'44	10♓48	4°46	12°23	15°59	21° 3	27°34	8°41	13°57	23°44	20°R37	21° 0	4° 2	n.a.	S 10
M11	16 45 35	10°53'52	22°43	5°18	13°37	16°37	20°56	27°34	8°38	13°58	23°43	20°37	20°56	4° 8	n.a.	M11
T 12	16 49 32	11°51'01	4♈47	5°45	14°51	17°15	20°49	27°34	8°36	13°59	23°41	20°36	20°53	4°15	n.a.	T 12
W13	16 53 28	12°48'11	17° 1	6° 7	16° 4	17°54	20°43	27°34	8°34	14° 1	23°40	20°35	20°50	4°22	n.a.	W13
T 14	16 57 25	13°45'22	29°31	6°26	17°18	18°32	20°36	27°35	8°31	14° 2	23°39	20°34	20°47	4°28	n.a.	T 14
F 15	17 1 21	14°42'34	12♉18	6°39	18°32	19°11	20°30	27°35	8°29	14° 3	23°37	20°33	20°44	4°35	n.a.	F 15
S 16	17 5 18	15°39'46	25°24	6°48	19°46	19°49	20°23	27°36	8°26	14° 5	23°36	20°33	20°40	4°42	n.a.	S 16
S 17	17 9 15	16°36'59	8♊50	6°R52	21° 0	20°28	20°17	27°37	8°24	14° 6	23°34	20°32	20°37	4°49	n.a.	S 17
M18	17 13 11	17°34'14	22°33	6°51	22°14	21° 6	20°11	27°37	8°22	14° 7	23°33	20°D32	20°34	4°55	n.a.	M18
T 19	17 17 8	18°31'28	6♋33	6°45	23°28	21°44	20° 5	27°38	8°19	14° 9	23°32	20°32	20°31	5° 2	n.a.	T 19
W20	17 21 4	19°28'44	20°44	6°35	24°42	22°23	19°59	27°39	8°17	14°10	23°30	20°33	20°28	5° 9	n.a.	W20
T 21	17 25 1	20°26'00	5♌ 3	6°19	25°56	23° 1	19°54	27°40	8°14	14°12	23°29	20°R33	20°25	5°15	n.a.	T 21
F 22	17 28 57	21°23'16	19°26	5°58	27°10	23°40	19°48	27°42	8°12	14°13	23°27	20°33	20°21	5°22	n.a.	F 22
S 23	17 32 54	22°20'34	3♍48	5°33	28°24	24°18	19°43	27°43	8°10	14°15	23°26	20°33	20°18	5°29	n.a.	S 23
S 24	17 36 51	23°17'51	18° 6	5° 4	29°38	24°56	19°37	27°44	8° 7	14°16	23°24	20°D32	20°15	5°36	n.a.	S 24
M25	17 40 47	24°15'09	2♎16	4°30	0♋52	25°35	19°32	27°46	8° 5	14°18	23°23	20°32	20°12	5°42	n.a.	M25
T 26	17 44 44	25°12'28	16°17	3°53	2° 6	26°13	19°27	27°47	8° 3	14°19	23°22	20°33	20° 9	5°49	n.a.	T 26
W27	17 48 40	26° 9'48	0♏ 7	3°12	3°20	26°51	19°22	27°49	8° 1	14°21	23°20	20°33	20° 6	5°56	n.a.	W27
T 28	17 52 37	27° 7'08	13°45	2°30	4°34	27°30	19°18	27°51	7°58	14°22	23°19	20°34	20° 2	6° 3	n.a.	T 28
F 29	17 56 33	28° 4'29	27°11	1°45	5°48	28° 8	19°13	27°53	7°56	14°24	23°17	20°34	19°59	6° 9	n.a.	F 29
S 30	18 0 30	29♊ 1'52	10♐22	0♋59	7♋ 2	28♊46	19♏ 9	27♍55	7♐54	14♘26	23♐16	20♊35	19♊56	6♓16	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n44	14s37	2n51	24n36	0n51	20n55	0n12	23n 8	0n51	17s59	0n36	3n26	2n42	22s14	0s 7	17n58	1n 6	26s33	2s54	23n26	23n30	15s 5		n.a.
S 2	20 55	19 1	1 44	24 28	0 42	21 12	0 15	23 14	0 51	17 57	0 36	3 26	2 42	22 14	0 7	17 58	1 6	26 33	2 55	23 26	23 30	15 3		n.a.
S 3	21 7	22 20	0 33	24 18	0 31	21 29	0 17	23 20	0 52	17 56	0 35	3 26	2 42	22 13	0 7	17 58	1 6	26 33	2 55	23 26	23 30	15 0		n.a.
M 4	21 18	24 25	0s39	24 7	0 21	21 45	0 19	23 26	0 52	17 54	0 35	3 26	2 41	22 13	0 7	17 57	1 6	26 33	2 55	23 26	23 29	14 58		n.a.
T 5	21 28	25 9	1 47	23 56	0 9	22 1	0 22	23 31	0 53	17 52	0 35	3 26	2 41	22 13	0 7	17 57	1 6	26 33	2 55	23 26	23 29	14 56		n.a.
W 6	21 38	24 36	2 49	23 43	0s 2	22 16	0 24	23 36	0 53	17 50	0 35	3 26	2 41	22 12	0 7	17 57	1 6	26 33	2 55	23 26	23 29	14 54		n.a.
T 7	21 48	22 52	3 42	23 30	0 15	22 30	0 26	23 41	0 53	17 49	0 35	3 26	2 41	22 12	0 7	17 56	1 6	26 33	2 55	23 26	23 29	14 51		n.a.
F 8	21 58	20 9	4 24	23 17	0 27	22 43	0 29	23 46	0 54	17 47	0 35	3 26	2 40	22 11	0 7	17 56	1 6	26 33	2 55	23 26	23 29	14 49		n.a.
S 9	22 7	16 36	4 54	23 3	0 40	22 56	0 31	23 51	0 54	17 45	0 34	3 26	2 40	22 11	0 7	17 56	1 6	26 33	2 55	23 26	23 28	14 47		n.a.
S 10	22 15	12 25	5 12	22 48	0 53	23 9	0 33	23 56	0 54	17 44	0 34	3 25	2 40	22 11	0 7	17 55	1 6	26 33	2 55	23 27	23 28	14 45		n.a.
M11	22 24	7 45	5 16	22 33	1 7	23 20	0 35	24 0	0 55	17 42	0 34	3 25	2 40	22 10	0 7	17 55	1 6	26 33	2 56	23 26	23 28	14 42		n.a.
T 12	22 32	2 45	5 7	22 18	1 21	23 31	0 37	24 4	0 55	17 40	0 34	3 25	2 39	22 10	0 7	17 55	1 6	26 33	2 56	23 26	23 28	14 40		n.a.
W13	22 39	2n25	4 43	22 3	1 35	23 42	0 39	24 8	0 55	17 39	0 34	3 24	2 39	22 10	0 7	17 54	1 6	26 33	2 56	23 26	23 27	14 38		n.a.
T 14	22 47	7 37	4 6	21 48	1 49	23 51	0 42	24 12	0 56	17 37	0 33	3 24	2 39	22 9	0 7	17 54	1 6	26 33	2 56	23 26	23 27	14 35		n.a.
F 15	22 53	12 38	3 16	21 33	2 4	24 0	0 44	24 16	0 56	17 36	0 33	3 23	2 39	22 9	0 7	17 53	1 6	26 33	2 56	23 26	23 27	14 33		n.a.
S 16	23 0	17 12	2 15	21 18	2 18	24 8	0 46	24 19	0 56	17 34	0 33	3 23	2 38	22 8	0 7	17 53	1 6	26 33	2 56	23 26	23 27	14 31		n.a.
S 17	23 6	21 1	1 4	21 4	2 32	24 16	0 48	24 22	0 56	17 33	0 33	3 22	2 38	22 8	0 7	17 53	1 6	26 33	2 56	23 26	23 27	14 29		n.a.
M18	23 11	23 45	0n11	20 49	2 47	24 22	0 50	24 25	0 57	17 31	0 33	3 22	2 38	22 8	0 7	17 52	1 6	26 33	2 56	23 26	23 26	14 26		n.a.
T 19	23 17	25 4	1 28	20 36	3 1	24 28	0 52	24 28	0 57	17 30	0 32	3 21	2 38	22 7	0 7	17 52	1 6	26 33	2 56	23 26	23 26	14 24		n.a.
W20	23 21	24 47	2 40	20 23	3 14	24 34	0 53	24 31	0 57	17 28	0 32	3 21	2 37	22 7	0 7	17 51	1 6	26 33	2 56	23 26	23 26	14 22		n.a.
T 21	23 26	22 52	3 42	20 10	3 27	24 38	0 55	24 33	0 58	17 27	0 32	3 20	2 37	22 7	0 7	17 51	1 5	26 33	2 57	23 26	23 26	14 19		n.a.
F 22	23 30	19 29	4 31	19 59	3 40	24 42	0 57	24 35	0 58	17 26	0 32	3 19	2 37	22 6	0 7	17 50	1 5	26 33	2 57	23 26	23 25	14 17		n.a.
S 23	23 33	14 57	5 3	19 48	3 52	24 45	0 59	24 38	0 58	17 24	0 32	3 18	2 36	22 6	0 7	17 50	1 5	26 33	2 57	23 26	23 25	14 15		n.a.
S 24	23 36	9 37	5 17	19 39	4 2	24 47	1 1	24 39	0 59	17 23	0 31	3 18	2 36	22 5	0 7	17 49	1 5	26 33	2 57	23 26	23 25	14 12		n.a.
M25	23 39	3 49	5 10	19 30	4 12	24 49	1 2	24 41	0 59	17 22	0 31	3 17	2 36	22 5	0 7	17 49	1 5	26 33	2 57	23 26	23 25	14 10		n.a.
T 26	23 41	2s 6	4 46	19 23	4 21	24 50	1 4	24 43	0 59	17 21	0 31	3 16	2 36	22 5	0 7	17 48	1 5	26 33	2 57	23 26	23 24	14 8		n.a.
W27	23 43	7 52	4 4	19 17	4 28	24 50	1 6	24 44	0 59	17 20	0 31	3 15	2 35	22 4	0 7	17 48	1 5	26 33	2 57	23 26	23 24	14 5		n.a.
T 28	23 45	13 10	3 10	19 12	4 34	24 49	1 7	24 45	1 0	17 19	0 31	3 14	2 35	22 4	0 7	17 48	1 5	26 33	2 57	23 26	23 24	14 3		n.a.
F 29	23 46	17 46	2 6	19 8	4 38	24 48	1 9	24 46	1 0	17 17	0 30	3 13	2 35	22 4	0 7	17 47	1 5	26 33	2 57	23 26	23 24	14 1		n.a.
S 30	23n47	21s24	0n56	19n 6	4s40	24n45	1n10	24n47	1n 0	17s16	0n30	3n12	2n35	22s 3	0s 7	17n46	1n 5	26s33	2s57	23n26	23n23	13s58		n.a.

Julian Day Number = 1466629.5, Delta T = 05h34m39s
Ecliptic obliquity = 23°46'46, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'28, Lahiri = -13°35'27 Julian Calendar 1 June 698 BCE == Greg. Calendar 25 May 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

JULY 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 4 26	29♊59'15	23♐20	0°R13	8♋16	29♊24	19°R 5	27♍57	7°R52	14♘27	23°R15	20°R35	19♊53	6♓23	n.a.	S 1
M 2	18 8 23	0♋56'39	6♑ 4	29♊28	9°30	0♋ 3	19♏ 1	27°59	7♐50	14°29	23♐13	20♊34	19°50	6°29	n.a.	M 2
T 3	18 12 20	1°54'05	18°35	28°44	10°44	0°41	18°57	28° 1	7°47	14°31	23°12	20°34	19°46	6°36	n.a.	T 3
W 4	18 16 16	2°51'32	0♒54	28° 3	11°58	1°19	18°53	28° 3	7°45	14°33	23°10	20°32	19°43	6°43	n.a.	W 4
T 5	18 20 13	3°49'00	13° 1	27°24	13°12	1°58	18°49	28° 6	7°43	14°34	23° 9	20°30	19°40	6°50	n.a.	T 5
F 6	18 24 9	4°46'29	25° 1	26°50	14°26	2°36	18°46	28° 8	7°41	14°36	23° 8	20°28	19°37	6°56	n.a.	F 6
S 7	18 28 6	5°44'00	6♓55	26°20	15°40	3°14	18°43	28°11	7°39	14°38	23° 6	20°26	19°34	7° 3	n.a.	S 7
S 8	18 32 2	6°41'33	18°48	25°55	16°54	3°52	18°40	28°13	7°37	14°40	23° 5	20°25	19°31	7°10	n.a.	S 8
M 9	18 35 59	7°39'07	0♈43	25°36	18° 8	4°31	18°37	28°16	7°35	14°42	23° 3	20°24	19°27	7°16	n.a.	M 9
T 10	18 39 55	8°36'42	12°44	25°23	19°22	5° 9	18°34	28°19	7°33	14°44	23° 2	20°D24	19°24	7°23	n.a.	T 10
W11	18 43 52	9°34'20	24°58	25°D18	20°37	5°47	18°32	28°22	7°31	14°46	23° 1	20°25	19°21	7°30	n.a.	W11
T 12	18 47 49	10°31'59	7♉27	25°19	21°51	6°25	18°30	28°25	7°29	14°47	22°59	20°26	19°18	7°37	n.a.	T 12
F 13	18 51 45	11°29'39	20°16	25°27	23° 5	7° 4	18°27	28°28	7°27	14°49	22°58	20°27	19°15	7°43	n.a.	F 13
S 14	18 55 42	12°27'22	3♊28	25°42	24°19	7°42	18°26	28°31	7°26	14°51	22°57	20°29	19°12	7°50	n.a.	S 14
S 15	18 59 38	13°25'06	17° 4	26° 5	25°33	8°20	18°24	28°35	7°24	14°53	22°55	20°R29	19° 8	7°57	n.a.	S 15
M16	19 3 35	14°22'52	1♋ 4	26°35	26°47	8°58	18°22	28°38	7°22	14°55	22°54	20°29	19° 5	8° 4	n.a.	M16
T 17	19 7 31	15°20'39	15°25	27°13	28° 1	9°36	18°21	28°41	7°20	14°57	22°53	20°28	19° 2	8°10	n.a.	T 17
W18	19 11 28	16°18'28	0♌ 2	27°58	29°16	10°15	18°20	28°45	7°19	14°59	22°52	20°25	18°59	8°17	n.a.	W18
T 19	19 15 24	17°16'19	14°49	28°50	0♌30	10°53	18°19	28°48	7°17	15° 1	22°50	20°21	18°56	8°24	n.a.	T 19
F 20	19 19 21	18°14'11	29°37	29°48	1°44	11°31	18°18	28°52	7°15	15° 3	22°49	20°18	18°52	8°30	n.a.	F 20
S 21	19 23 18	19°12'04	14♍20	0♋54	2°58	12° 9	18°17	28°56	7°14	15° 5	22°48	20°14	18°49	8°37	n.a.	S 21
S 22	19 27 14	20° 9'59	28°50	2° 5	4°12	12°48	18°17	29° 0	7°12	15° 7	22°47	20°11	18°46	8°44	n.a.	S 22
M23	19 31 11	21° 7'55	13♎ 5	3°23	5°27	13°26	18°17	29° 4	7°11	15° 9	22°45	20°10	18°43	8°51	n.a.	M23
T 24	19 35 7	22° 5'52	27° 1	4°46	6°41	14° 4	18°D17	29° 8	7° 9	15°11	22°44	20°D10	18°40	8°57	n.a.	T 24
W25	19 39 4	23° 3'51	10♏39	6°14	7°55	14°42	18°17	29°12	7° 8	15°14	22°43	20°11	18°37	9° 4	n.a.	W25
T 26	19 43 0	24° 1'52	23°59	7°47	9° 9	15°20	18°17	29°16	7° 6	15°16	22°42	20°12	18°33	9°11	n.a.	T 26
F 27	19 46 57	24°59'54	7♐ 4	9°25	10°23	15°59	18°18	29°20	7° 5	15°18	22°41	20°14	18°30	9°17	n.a.	F 27
S 28	19 50 53	25°57'57	19°54	11° 6	11°38	16°37	18°18	29°24	7° 4	15°20	22°39	20°R14	18°27	9°24	n.a.	S 28
S 29	19 54 50	26°56'02	2♑31	12°50	12°52	17°15	18°19	29°29	7° 2	15°22	22°38	20°14	18°24	9°31	n.a.	S 29
M30	19 58 47	27°54'09	14°58	14°37	14° 6	17°53	18°20	29°33	7° 1	15°24	22°37	20°11	18°21	9°38	n.a.	M30
T 31	20 2 43	28♋52'18	27♑15	16♋27	15♘20	18♋32	18♏22	29♍38	7♐ 0	15♘26	22♐36	20♊ 7	18♊18	9♓44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n47	23s52	0s15	19n 6	4s41	24n42	1n12	24n47	1n 1	17s16	0n30	3n11	2n34	22s 3	0s 7	17n46	1n 5	26s33	2s57	23n26	23n23	13s56			n.a.
M 2	23 47	25 3	1 25	19 7	4 40	24 39	1 13	24 48	1 1	17 15	0 30	3 10	2 34	22 3	0 7	17 45	1 5	26 33	2 57	23 26	23 23	13 54			n.a.
T 3	23 46	24 55	2 29	19 10	4 37	24 34	1 14	24 48	1 1	17 14	0 30	3 9	2 34	22 2	0 7	17 45	1 5	26 33	2 58	23 26	23 23	13 51			n.a.
W 4	23 45	23 34	3 25	19 14	4 32	24 29	1 15	24 48	1 1	17 13	0 29	3 8	2 34	22 2	0 7	17 44	1 5	26 33	2 58	23 26	23 23	13 49			n.a.
T 5	23 43	21 8	4 11	19 20	4 26	24 23	1 17	24 48	1 2	17 12	0 29	3 6	2 33	22 2	0 7	17 44	1 5	26 33	2 58	23 26	23 22	13 46			n.a.
F 6	23 41	17 50	4 45	19 27	4 18	24 16	1 18	24 47	1 2	17 11	0 29	3 5	2 33	22 1	0 7	17 43	1 5	26 33	2 58	23 26	23 22	13 44			n.a.
S 7	23 39	13 50	5 7	19 36	4 8	24 9	1 19	24 47	1 2	17 11	0 29	3 4	2 33	22 1	0 7	17 43	1 5	26 33	2 58	23 26	23 22	13 42			n.a.
S 8	23 36	9 19	5 15	19 46	3 57	24 1	1 20	24 46	1 2	17 10	0 28	3 3	2 33	22 1	0 7	17 42	1 5	26 33	2 58	23 26	23 21	13 39			n.a.
M 9	23 33	4 27	5 10	19 57	3 45	23 52	1 21	24 45	1 3	17 10	0 28	3 1	2 32	22 0	0 7	17 42	1 5	26 33	2 58	23 26	23 21	13 37			n.a.
T 10	23 30	0n38	4 52	20 10	3 32	23 42	1 22	24 44	1 3	17 9	0 28	3 0	2 32	22 0	0 7	17 41	1 5	26 33	2 58	23 26	23 21	13 35			n.a.
W11	23 26	5 46	4 20	20 24	3 18	23 32	1 23	24 42	1 3	17 8	0 28	2 58	2 32	22 0	0 7	17 41	1 5	26 33	2 58	23 26	23 21	13 32			n.a.
T 12	23 21	10 48	3 35	20 39	3 3	23 21	1 23	24 41	1 4	17 8	0 28	2 57	2 32	21 59	0 7	17 40	1 5	26 33	2 58	23 26	23 20	13 30			n.a.
F 13	23 16	15 31	2 39	20 55	2 47	23 9	1 24	24 39	1 4	17 8	0 27	2 56	2 31	21 59	0 7	17 39	1 5	26 33	2 58	23 26	23 20	13 27			n.a.
S 14	23 11	19 38	1 32	21 11	2 31	22 57	1 25	24 37	1 4	17 7	0 27	2 54	2 31	21 59	0 7	17 39	1 5	26 33	2 58	23 26	23 20	13 25			n.a.
S 15	23 6	22 50	0 19	21 28	2 15	22 44	1 25	24 35	1 4	17 7	0 27	2 53	2 31	21 58	0 7	17 38	1 5	26 33	2 58	23 26	23 20	13 23			n.a.
M16	22 59	24 44	0n58	21 46	1 59	22 30	1 26	24 33	1 4	17 7	0 27	2 51	2 31	21 58	0 7	17 38	1 5	26 33	2 58	23 26	23 19	13 20			n.a.
T 17	22 53	25 4	2 13	22 3	1 42	22 16	1 26	24 30	1 5	17 7	0 27	2 49	2 30	21 58	0 7	17 37	1 5	26 33	2 58	23 26	23 19	13 18			n.a.
W18	22 46	23 41	3 20	22 20	1 26	22 1	1 27	24 27	1 5	17 7	0 26	2 48	2 30	21 58	0 7	17 36	1 5	26 33	2 59	23 26	23 19	13 15			n.a.
T 19	22 39	20 40	4 15	22 37	1 9	21 45	1 27	24 25	1 5	17 6	0 26	2 46	2 30	21 57	0 7	17 36	1 5	26 33	2 59	23 25	23 19	13 13			n.a.
F 20	22 31	16 19	4 53	22 53	0 54	21 28	1 27	24 22	1 5	17 6	0 26	2 44	2 30	21 57	0 7	17 35	1 5	26 33	2 59	23 25	23 18	13 10			n.a.
S 21	22 23	11 1	5 11	23 8	0 38	21 11	1 28	24 18	1 6	17 6	0 26	2 43	2 29	21 57	0 7	17 35	1 5	26 33	2 59	23 25	23 18	13 8			n.a.
S 22	22 14	5 11	5 9	23 23	0 23	20 54	1 28	24 15	1 6	17 7	0 25	2 41	2 29	21 56	0 7	17 34	1 5	26 33	2 59	23 25	23 18	13 6			n.a.
M23	22 6	0s49	4 48	23 35	0 9	20 36	1 28	24 11	1 6	17 7	0 25	2 39	2 29	21 56	0 7	17 33	1 5	26 33	2 59	23 25	23 18	13 3			n.a.
T 24	21 56	6 40	4 10	23 46	0n 5	20 17	1 28	24 7	1 6	17 7	0 25	2 37	2 29	21 56	0 7	17 33	1 5	26 33	2 59	23 25	23 17	13 1			n.a.
W25	21 47	12 5	3 19	23 56	0 18	19 58	1 28	24 3	1 7	17 7	0 25	2 35	2 29	21 56	0 7	17 32	1 5	26 33	2 59	23 25	23 17	12 58			n.a.
T 26	21 37	16 48	2 18	24 3	0 30	19 38	1 28	23 59	1 7	17 7	0 25	2 34	2 28	21 56	0 7	17 31	1 5	26 33	2 59	23 25	23 17	12 56			n.a.
F 27	21 26	20 38	1 11	24 8	0 41	19 17	1 27	23 55	1 7	17 8	0 24	2 32	2 28	21 55	0 7	17 31	1 5	26 33	2 59	23 25	23 16	12 53			n.a.
S 28	21 15	23 21	0 2	24 10	0 52	18 56	1 27	23 50	1 7	17 8	0 24	2 30	2 28	21 55	0 7	17 30	1 5	26 33	2 59	23 25	23 16	12 51			n.a.
S 29	21 4	24 52	1s 6	24 10	1 1	18 35	1 27	23 46	1 7	17 9	0 24	2 28	2 28	21 55	0 7	17 29	1 5	26 33	2 59	23 25	23 16	12 48			n.a.
M30	20 53	25 5	2 10	24 7	1 10	18 12	1 26	23 41	1 8	17 9	0 24	2 26	2 27	21 55	0 7	17 29	1 5	26 33	2 59	23 25	23 16	12 46			n.a.
T 31	20n41	24s 4	3s 7	24n 2	1n18	17n50	1n26	23n36	1n 8	17s10	0n24	2n24	2n27	21s54	0s 7	17n28	1n 5	26s33	2s59	23n24	23n15	12s43			n.a.

Julian Day Number = 1466659.5, Delta T = 05h34m37s
Ecliptic obliquity = 23°46'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'24, Lahiri = -13°35'23 Julian Calendar 1 July 698 BCE == Greg. Calendar 24 June 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

AUGUST 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 6 40	29♋50'29	9♒24	18♋18	16♌34	19♋10	18♏23	29♍42	6°R59	15♌28	22°R35	20°R 1	18♊14	9♓51	n.a.	W 1
T 2	20 10 36	0♌48'41	21°26	20°11	17°49	19°48	18°25	29°47	6♐58	15°31	22♐34	19♊53	18°11	9°58	n.a.	T 2
F 3	20 14 33	1°46'56	3♓22	22° 5	19° 3	20°26	18°27	29°52	6°57	15°33	22°33	19°46	18° 8	10° 5	n.a.	F 3
S 4	20 18 29	2°45'12	15°14	24° 0	20°17	21° 4	18°29	29°57	6°55	15°35	22°32	19°38	18° 5	10°11	n.a.	S 4
S 5	20 22 26	3°43'30	27° 6	25°56	21°31	21°43	18°31	0♎ 1	6°55	15°37	22°31	19°31	18° 2	10°18	n.a.	S 5
M 6	20 26 22	4°41'51	9♈ 0	27°51	22°45	22°21	18°33	0° 6	6°54	15°39	22°30	19°26	17°58	10°25	n.a.	M 6
T 7	20 30 19	5°40'14	20°59	29°47	24° 0	22°59	18°36	0°11	6°53	15°42	22°29	19°23	17°55	10°31	n.a.	T 7
W 8	20 34 16	6°38'39	3♉10	1♌42	25°14	23°37	18°38	0°16	6°52	15°44	22°28	19°D22	17°52	10°38	n.a.	W 8
T 9	20 38 12	7°37'07	15°35	3°37	26°28	24°15	18°41	0°21	6°51	15°46	22°27	19°22	17°49	10°45	n.a.	T 9
F 10	20 42 9	8°35'36	28°20	5°31	27°42	24°54	18°44	0°27	6°50	15°48	22°26	19°23	17°46	10°52	n.a.	F 10
S 11	20 46 5	9°34'09	11♊29	7°25	28°56	25°32	18°48	0°32	6°50	15°50	22°25	19°24	17°43	10°58	n.a.	S 11
S 12	20 50 2	10°32'43	25° 5	9°18	0♍11	26°10	18°51	0°37	6°49	15°53	22°25	19°R24	17°39	11° 5	n.a.	S 12
M13	20 53 58	11°31'20	9♋ 9	11°10	1°25	26°48	18°55	0°43	6°48	15°55	22°24	19°23	17°36	11°12	n.a.	M13
T 14	20 57 55	12°29'59	23°40	13° 1	2°39	27°27	18°59	0°48	6°48	15°57	22°23	19°19	17°33	11°19	n.a.	T 14
W15	21 1 51	13°28'40	8♌33	14°52	3°53	28° 5	19° 3	0°53	6°47	15°59	22°22	19°13	17°30	11°25	n.a.	W15
T 16	21 5 48	14°27'23	23°40	16°41	5° 7	28°43	19° 7	0°59	6°47	16° 2	22°21	19° 5	17°27	11°32	n.a.	T 16
F 17	21 9 45	15°26'08	8♍52	18°29	6°22	29°21	19°11	1° 5	6°46	16° 4	22°21	18°56	17°24	11°39	n.a.	F 17
S 18	21 13 41	16°24'56	23°56	20°17	7°36	29°59	19°16	1°10	6°46	16° 6	22°20	18°48	17°20	11°45	n.a.	S 18
S 19	21 17 38	17°23'45	8♎46	22° 3	8°50	0♌38	19°20	1°16	6°46	16° 8	22°19	18°41	17°17	11°52	n.a.	S 19
M20	21 21 34	18°22'35	23°13	23°49	10° 4	1°16	19°25	1°22	6°46	16°11	22°19	18°36	17°14	11°59	n.a.	M20
T 21	21 25 31	19°21'28	7♏15	25°33	11°18	1°54	19°30	1°28	6°45	16°13	22°18	18°34	17°11	12° 6	n.a.	T 21
W22	21 29 27	20°20'23	20°52	27°17	12°32	2°33	19°36	1°33	6°45	16°15	22°17	18°D33	17° 8	12°12	n.a.	W22
T 23	21 33 24	21°19'19	4♐ 5	28°59	13°47	3°11	19°41	1°39	6°45	16°17	22°17	18°33	17° 4	12°19	n.a.	T 23
F 24	21 37 20	22°18'18	16°57	0♍41	15° 1	3°49	19°46	1°45	6°D45	16°19	22°16	18°R34	17° 1	12°26	n.a.	F 24
S 25	21 41 17	23°17'18	29°34	2°22	16°15	4°28	19°52	1°51	6°45	16°22	22°16	18°33	16°58	12°32	n.a.	S 25
S 26	21 45 13	24°16'21	11♑57	4° 1	17°29	5° 6	19°58	1°57	6°45	16°24	22°15	18°31	16°55	12°39	n.a.	S 26
M27	21 49 10	25°15'25	24° 9	5°40	18°43	5°44	20° 4	2° 3	6°45	16°26	22°15	18°26	16°52	12°46	n.a.	M27
T 28	21 53 7	26°14'31	6♒15	7°18	19°57	6°22	20°10	2°10	6°45	16°28	22°14	18°18	16°49	12°53	n.a.	T 28
W29	21 57 3	27°13'39	18°15	8°55	21°11	7° 1	20°16	2°16	6°46	16°31	22°14	18° 7	16°45	12°59	n.a.	W29
T 30	22 1 0	28°12'50	0♓11	10°32	22°25	7°39	20°23	2°22	6°46	16°33	22°13	17°55	16°42	13° 6	n.a.	T 30
F 31	22 4 56	29♌12'02	12♓ 4	12♍ 7	23♍39	8♌17	20♏30	2♎28	6♐46	16♌35	22♐13	17♊41	16♊39	13♓13	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	20n28	21s55	3s55	23n54	1n25	17n27	1n25	23n31	1n 8	17s10	0n23	2n22	2n27	21s54	0s 7	17n28	1n 5	26s33	2s59	23n24	23n15	12s41			n.a.
T 2	20 16	18 50	4 31	23 44	1 30	17 3	1 25	23 25	1 8	17 11	0 23	2 20	2 27	21 54	0 7	17 27	1 5	26 33	2 59	23 23	23 15	12 38			n.a.
F 3	20 3	15 0	4 56	23 30	1 35	16 39	1 24	23 20	1 8	17 12	0 23	2 18	2 27	21 54	0 7	17 26	1 5	26 33	2 59	23 23	23 14	12 36			n.a.
S 4	19 49	10 36	5 7	23 15	1 40	16 15	1 23	23 14	1 9	17 12	0 23	2 15	2 26	21 54	0 7	17 26	1 5	26 33	2 59	23 22	23 14	12 33			n.a.
S 5	19 36	5 50	5 5	22 57	1 43	15 50	1 23	23 8	1 9	17 13	0 23	2 13	2 26	21 54	0 7	17 25	1 5	26 33	2 59	23 22	23 14	12 31			n.a.
M 6	19 22	0 50	4 51	22 36	1 45	15 25	1 22	23 2	1 9	17 14	0 22	2 11	2 26	21 53	0 7	17 24	1 5	26 33	2 59	23 21	23 14	12 28			n.a.
T 7	19 7	4n15	4 23	22 14	1 47	14 59	1 21	22 56	1 9	17 15	0 22	2 9	2 26	21 53	0 7	17 24	1 5	26 33	2 59	23 21	23 13	12 26			n.a.
W 8	18 53	9 15	3 43	21 49	1 48	14 33	1 20	22 49	1 9	17 16	0 22	2 7	2 26	21 53	0 7	17 23	1 5	26 33	2 59	23 21	23 13	12 23			n.a.
T 9	18 38	14 0	2 52	21 23	1 49	14 6	1 19	22 43	1 10	17 17	0 22	2 5	2 26	21 53	0 7	17 22	1 5	26 33	2 59	23 21	23 13	12 21			n.a.
F 10	18 22	18 16	1 51	20 54	1 48	13 39	1 18	22 36	1 10	17 18	0 22	2 2	2 25	21 53	0 7	17 22	1 5	26 33	2 59	23 21	23 12	12 18			n.a.
S 11	18 7	21 47	0 43	20 24	1 47	13 12	1 16	22 29	1 10	17 19	0 21	2 0	2 25	21 53	0 7	17 21	1 5	26 33	2 59	23 21	23 12	12 16			n.a.
S 12	17 51	24 12	0n30	19 53	1 46	12 44	1 15	22 22	1 10	17 20	0 21	1 58	2 25	21 53	0 7	17 20	1 5	26 33	2 59	23 21	23 12	12 13			n.a.
M13	17 34	25 11	1 44	19 20	1 44	12 16	1 14	22 15	1 10	17 21	0 21	1 55	2 25	21 53	0 7	17 20	1 5	26 33	2 59	23 21	23 12	12 11			n.a.
T 14	17 18	24 31	2 53	18 46	1 42	11 48	1 12	22 7	1 10	17 23	0 21	1 53	2 25	21 52	0 7	17 19	1 5	26 33	2 59	23 21	23 11	12 8			n.a.
W15	17 1	22 6	3 52	18 11	1 39	11 19	1 11	22 0	1 11	17 24	0 21	1 51	2 24	21 52	0 7	17 18	1 5	26 33	2 59	23 20	23 11	12 6			n.a.
T 16	16 44	18 9	4 36	17 34	1 35	10 50	1 9	21 52	1 11	17 25	0 20	1 48	2 24	21 52	0 7	17 18	1 5	26 33	2 59	23 19	23 11	12 3			n.a.
F 17	16 26	12 59	5 0	16 57	1 32	10 21	1 8	21 44	1 11	17 27	0 20	1 46	2 24	21 52	0 7	17 17	1 5	26 32	2 59	23 19	23 10	12 1			n.a.
S 18	16 8	7 4	5 3	16 19	1 28	9 52	1 6	21 36	1 11	17 28	0 20	1 43	2 24	21 52	0 7	17 16	1 5	26 32	3 0	23 18	23 10	11 58			n.a.
S 19	15 50	0 51	4 46	15 40	1 23	9 22	1 5	21 28	1 11	17 30	0 20	1 41	2 24	21 52	0 7	17 16	1 5	26 32	3 0	23 17	23 10	11 56			n.a.
M20	15 32	5s16	4 11	15 0	1 18	8 52	1 3	21 19	1 11	17 31	0 20	1 39	2 24	21 52	0 7	17 15	1 5	26 32	3 0	23 17	23 9	11 53			n.a.
T 21	15 14	10 57	3 22	14 20	1 13	8 22	1 1	21 11	1 12	17 33	0 19	1 36	2 23	21 52	0 7	17 14	1 5	26 32	3 0	23 17	23 9	11 51			n.a.
W22	14 55	15 56	2 22	13 39	1 8	7 51	0 59	21 2	1 12	17 34	0 19	1 34	2 23	21 52	0 7	17 14	1 5	26 32	3 0	23 17	23 9	11 48			n.a.
T 23	14 36	20 1	1 16	12 58	1 3	7 21	0 57	20 53	1 12	17 36	0 19	1 31	2 23	21 52	0 7	17 13	1 5	26 32	3 0	23 17	23 8	11 45			n.a.
F 24	14 16	22 59	0 9	12 16	0 57	6 50	0 55	20 44	1 12	17 38	0 19	1 28	2 23	21 52	0 7	17 12	1 5	26 32	3 0	23 17	23 8	11 43			n.a.
S 25	13 57	24 45	0s58	11 34	0 51	6 19	0 53	20 35	1 12	17 39	0 19	1 26	2 23	21 52	0 7	17 12	1 5	26 32	3 0	23 17	23 8	11 40			n.a.
S 26	13 37	25 15	2 1	10 52	0 45	5 48	0 51	20 26	1 12	17 41	0 19	1 23	2 23	21 52	0 7	17 11	1 5	26 32	3 0	23 16	23 8	11 38			n.a.
M27	13 17	24 29	2 57	10 10	0 39	5 16	0 49	20 16	1 12	17 43	0 18	1 21	2 23	21 52	0 7	17 10	1 5	26 32	3 0	23 16	23 7	11 35			n.a.
T 28	12 57	22 36	3 45	9 27	0 32	4 45	0 47	20 7	1 13	17 45	0 18	1 18	2 22	21 52	0 7	17 10	1 5	26 32	3 0	23 15	23 7	11 33			n.a.
W29	12 36	19 43	4 22	8 44	0 26	4 13	0 45	19 57	1 13	17 47	0 18	1 16	2 22	21 52	0 7	17 9	1 5	26 32	3 0	23 14	23 7	11 30			n.a.
T 30	12 16	16 1	4 47	8 1	0 19	3 42	0 42	19 47	1 13	17 49	0 18	1 13	2 22	21 52	0 7	17 8	1 5	26 32	3 0	23 13	23 6	11 27			n.a.
F 31	11n55	11s43	4s59	7n18	0n12	3n10	0n40	19n37	1n13	17s51	0n18	1n10	2n22	21s52	0s 7	17n 8	1n 5	26s32	3s 0	23n12	23n 6	11s25			n.a.

Julian Day Number = 1466690.5, Delta T = 05h34m36s
Ecliptic obliquity = 23°46'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'20, Lahiri = -13°35'19 Julian Calendar 1 Aug. 698 BCE == Greg. Calendar 25 July 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

SEPTEMBER 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 8 53	0♍11'17	23♓56	13♍42	24♍53	8♌56	20♏36	2♎35	6♐46	16♌37	22°R13	17°R28	16♊36	13♓20	n.a.	S 1
S 2	22 12 49	1°10'34	5♈49	15°15	26° 8	9°34	20°43	2°41	6°47	16°39	22♐12	17♊16	16°33	13°26	n.a.	S 2
M 3	22 16 46	2° 9'53	17°44	16°48	27°22	10°12	20°50	2°47	6°47	16°41	22°12	17° 6	16°30	13°33	n.a.	M 3
T 4	22 20 42	3° 9'15	29°44	18°21	28°36	10°51	20°58	2°54	6°48	16°44	22°12	16°59	16°26	13°40	n.a.	T 4
W 5	22 24 39	4° 8'39	11♉53	19°52	29°50	11°29	21° 5	3° 0	6°48	16°46	22°12	16°55	16°23	13°46	n.a.	W 5
T 6	22 28 35	5° 8'06	24°16	21°23	1♎ 4	12° 7	21°12	3° 7	6°49	16°48	22°11	16°53	16°20	13°53	n.a.	T 6
F 7	22 32 32	6° 7'35	6♊55	22°53	2°18	12°46	21°20	3°13	6°50	16°50	22°11	16°D52	16°17	14° 0	n.a.	F 7
S 8	22 36 29	7° 7'06	19°57	24°22	3°32	13°24	21°28	3°20	6°50	16°52	22°11	16°R52	16°14	14° 7	n.a.	S 8
S 9	22 40 25	8° 6'41	3♋26	25°50	4°46	14° 2	21°36	3°26	6°51	16°54	22°11	16°51	16°10	14°13	n.a.	S 9
M10	22 44 22	9° 6'17	17°23	27°18	6° 0	14°41	21°44	3°33	6°52	16°56	22°11	16°49	16° 7	14°20	n.a.	M10
T 11	22 48 18	10° 5'56	1♌50	28°45	7°13	15°19	21°52	3°40	6°53	16°59	22°11	16°44	16° 4	14°27	n.a.	T 11
W12	22 52 15	11° 5'37	16°42	0♎11	8°27	15°58	22° 0	3°46	6°54	17° 1	22°11	16°35	16° 1	14°34	n.a.	W12
T 13	22 56 11	12° 5'21	1♍54	1°36	9°41	16°36	22° 9	3°53	6°55	17° 3	22°D11	16°25	15°58	14°40	n.a.	T 13
F 14	23 0 8	13° 5'06	17°15	3° 0	10°55	17°14	22°17	4° 0	6°56	17° 5	22°11	16°14	15°55	14°47	n.a.	F 14
S 15	23 4 4	14° 4'54	2♎33	4°24	12° 9	17°53	22°26	4° 7	6°57	17° 7	22°11	16° 3	15°51	14°54	n.a.	S 15
S 16	23 8 1	15° 4'43	17°38	5°46	13°23	18°31	22°35	4°14	6°58	17° 9	22°11	15°53	15°48	15° 0	n.a.	S 16
M17	23 11 58	16° 4'35	2♏19	7° 8	14°37	19°10	22°44	4°20	6°59	17°11	22°11	15°46	15°45	15° 7	n.a.	M17
T 18	23 15 54	17° 4'28	16°33	8°28	15°51	19°48	22°53	4°27	7° 0	17°13	22°11	15°41	15°42	15°14	n.a.	T 18
W19	23 19 51	18° 4'24	0♐17	9°48	17° 5	20°26	23° 2	4°34	7° 2	17°15	22°11	15°39	15°39	15°21	n.a.	W19
T 20	23 23 47	19° 4'21	13°33	11° 6	18°18	21° 5	23°12	4°41	7° 3	17°17	22°12	15°39	15°35	15°27	n.a.	T 20
F 21	23 27 44	20° 4'20	26°25	12°23	19°32	21°43	23°21	4°48	7° 4	17°19	22°12	15°39	15°32	15°34	n.a.	F 21
S 22	23 31 40	21° 4'21	8♑57	13°38	20°46	22°22	23°31	4°55	7° 6	17°21	22°12	15°38	15°29	15°41	n.a.	S 22
S 23	23 35 37	22° 4'23	21°13	14°52	22° 0	23° 0	23°41	5° 2	7° 7	17°23	22°12	15°35	15°26	15°47	n.a.	S 23
M24	23 39 33	23° 4'27	3♒19	16° 5	23°14	23°39	23°50	5° 9	7° 9	17°25	22°13	15°29	15°23	15°54	n.a.	M24
T 25	23 43 30	24° 4'33	15°17	17°15	24°27	24°17	24° 0	5°16	7°10	17°26	22°13	15°21	15°20	16° 1	n.a.	T 25
W26	23 47 27	25° 4'41	27°11	18°24	25°41	24°56	24°10	5°23	7°12	17°28	22°13	15° 9	15°16	16° 8	n.a.	W26
T 27	23 51 23	26° 4'50	9♓ 4	19°30	26°55	25°34	24°21	5°30	7°14	17°30	22°14	14°56	15°13	16°14	n.a.	T 27
F 28	23 55 20	27° 5'02	20°56	20°34	28° 8	26°13	24°31	5°37	7°15	17°32	22°14	14°42	15°10	16°21	n.a.	F 28
S 29	23 59 16	28° 5'15	2♈51	21°35	29°22	26°51	24°41	5°44	7°17	17°34	22°15	14°27	15° 7	16°28	n.a.	S 29
S 30	0 3 13	29♍ 5'30	14♈48	22♎34	0♏36	27♌30	24♏52	5♎51	7♐19	17♌36	22♐15	14♊14	15♊ 4	16♓35	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n34	7s 0	4s59	6n35	0n 5	2n38	0n38	19n27	1n13	17s53	0n17	1n 8	2n22	21s52	0s 7	17n 7	1n 5	26s32	3s 0	23n11	23n 6	11s22		n.a.
S 2	11 13	2 1	4 45	5 52	0s 2	2 6	0 35	19 17	1 13	17 55	0 17	1 5	2 22	21 52	0 7	17 6	1 5	26 32	3 0	23 10	23 5	11 20		n.a.
M 3	10 51	3n 4	4 19	5 9	0 9	1 34	0 33	19 7	1 13	17 57	0 17	1 2	2 22	21 52	0 7	17 6	1 5	26 32	3 0	23 9	23 5	11 17		n.a.
T 4	10 29	8 5	3 42	4 26	0 16	1 2	0 30	18 56	1 14	17 59	0 17	1 0	2 22	21 53	0 7	17 5	1 5	26 32	3 0	23 8	23 5	11 14		n.a.
W 5	10 8	12 52	2 54	3 43	0 23	0 30	0 28	18 46	1 14	18 1	0 17	0 57	2 22	21 53	0 7	17 4	1 5	26 32	3 0	23 8	23 4	11 12		n.a.
T 6	9 46	17 13	1 57	3 0	0 30	0s 2	0 25	18 35	1 14	18 3	0 17	0 54	2 21	21 53	0 7	17 4	1 6	26 32	3 0	23 7	23 4	11 9		n.a.
F 7	9 24	20 55	0 52	2 18	0 37	0 35	0 23	18 24	1 14	18 5	0 16	0 51	2 21	21 53	0 7	17 3	1 6	26 32	3 0	23 7	23 4	11 7		n.a.
S 8	9 1	23 40	0n16	1 36	0 44	1 7	0 20	18 13	1 14	18 7	0 16	0 49	2 21	21 53	0 7	17 2	1 6	26 32	3 0	23 7	23 3	11 4		n.a.
S 9	8 39	25 10	1 26	0 54	0 51	1 39	0 17	18 2	1 14	18 10	0 16	0 46	2 21	21 53	0 7	17 2	1 6	26 32	3 0	23 7	23 3	11 1		n.a.
M10	8 16	25 10	2 34	0 12	0 58	2 11	0 15	17 51	1 14	18 12	0 16	0 43	2 21	21 53	0 7	17 1	1 6	26 32	3 0	23 7	23 3	10 59		n.a.
T 11	7 53	23 30	3 33	0s29	1 5	2 43	0 12	17 39	1 14	18 14	0 16	0 40	2 21	21 53	0 7	17 1	1 6	26 32	3 0	23 6	23 2	10 56		n.a.
W12	7 30	20 11	4 21	1 11	1 12	3 15	0 9	17 28	1 14	18 17	0 16	0 38	2 21	21 54	0 7	17 0	1 6	26 32	3 0	23 6	23 2	10 54		n.a.
T 13	7 7	15 27	4 51	1 51	1 19	3 48	0 7	17 16	1 14	18 19	0 15	0 35	2 21	21 54	0 7	16 59	1 6	26 32	3 0	23 5	23 2	10 51		n.a.
F 14	6 44	9 42	5 0	2 31	1 26	4 19	0 4	17 4	1 15	18 21	0 15	0 32	2 21	21 54	0 7	16 59	1 6	26 32	3 0	23 3	23 1	10 48		n.a.
S 15	6 21	3 21	4 48	3 11	1 33	4 51	0 1	16 52	1 15	18 24	0 15	0 29	2 21	21 54	0 7	16 58	1 6	26 32	3 0	23 2	23 1	10 46		n.a.
S 16	5 58	3s 5	4 16	3 50	1 39	5 23	0s 2	16 40	1 15	18 26	0 15	0 26	2 21	21 54	0 7	16 58	1 6	26 32	3 0	23 1	23 1	10 43		n.a.
M17	5 34	9 13	3 27	4 29	1 46	5 55	0 5	16 28	1 15	18 29	0 15	0 24	2 20	21 55	0 7	16 57	1 6	26 32	3 0	23 0	23 0	10 40		n.a.
T 18	5 10	14 40	2 27	5 7	1 52	6 26	0 8	16 16	1 15	18 31	0 15	0 21	2 20	21 55	0 7	16 56	1 6	26 32	3 0	23 0	23 0	10 38		n.a.
W19	4 47	19 12	1 20	5 45	1 59	6 58	0 11	16 4	1 15	18 34	0 15	0 18	2 20	21 55	0 7	16 56	1 6	26 32	3 0	23 0	23 0	10 35		n.a.
T 20	4 23	22 34	0 11	6 21	2 5	7 29	0 13	15 51	1 15	18 36	0 14	0 15	2 20	21 55	0 7	16 55	1 6	26 32	3 0	23 0	22 59	10 32		n.a.
F 21	3 59	24 40	0s57	6 57	2 10	8 0	0 16	15 39	1 15	18 39	0 14	0 12	2 20	21 55	0 7	16 55	1 6	26 32	3 0	23 0	22 59	10 30		n.a.
S 22	3 35	25 28	2 0	7 32	2 16	8 31	0 19	15 26	1 15	18 41	0 14	0 10	2 20	21 56	0 7	16 54	1 6	26 32	3 0	23 0	22 59	10 27		n.a.
S 23	3 11	24 58	2 56	8 6	2 21	9 2	0 22	15 14	1 15	18 44	0 14	0 7	2 20	21 56	0 8	16 53	1 6	26 32	3 0	22 59	22 58	10 24		n.a.
M24	2 47	23 18	3 43	8 39	2 26	9 32	0 25	15 1	1 15	18 47	0 14	0 4	2 20	21 56	0 8	16 53	1 6	26 32	3 0	22 59	22 58	10 22		n.a.
T 25	2 23	20 37	4 20	9 11	2 31	10 3	0 28	14 48	1 15	18 49	0 14	0 1	2 20	21 56	0 8	16 52	1 6	26 32	3 0	22 58	22 58	10 19		n.a.
W26	1 59	17 5	4 45	9 42	2 36	10 33	0 31	14 35	1 16	18 52	0 13	0s 2	2 20	21 57	0 8	16 52	1 6	26 32	3 0	22 56	22 57	10 16		n.a.
T 27	1 35	12 53	4 58	10 11	2 40	11 3	0 34	14 22	1 16	18 55	0 13	0 5	2 20	21 57	0 8	16 51	1 6	26 32	3 0	22 55	22 57	10 14		n.a.
F 28	1 11	8 11	4 58	10 39	2 43	11 32	0 37	14 9	1 16	18 57	0 13	0 8	2 20	21 57	0 8	16 51	1 6	26 32	3 0	22 53	22 56	10 11		n.a.
S 29	0 46	3 12	4 45	11 6	2 46	12 1	0 40	13 55	1 16	19 0	0 13	0 10	2 20	21 58	0 8	16 50	1 6	26 32	3 0	22 52	22 56	10 8		n.a.
S 30	0n22	1n56	4s19	11s30	2s49	12s30	0s43	13n42	1n16	19s 3	0n13	0s13	2n20	21s58	0s 8	16n50	1n 6	26s32	3s 0	22n50	22n56	10s 6		n.a.

Julian Day Number = 1466721.5, Delta T = 05h34m34s
Ecliptic obliquity = 23°46'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'15, Lahiri = -13°35'15 Julian Calendar 1 Sept. 698 BCE == Greg. Calendar 25 Aug. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

OCTOBER 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 7 9	0♎ 5'47	26♈49	23♎28	1♏49	28♌ 8	25♏ 2	5♎58	7♐21	17♌37	22♐16	14°R 4	15♊ 1	16♓41	n.a.	M 1
T 2	0 11 6	1° 6'06	8♉55	24°20	3° 3	28°47	25°13	6° 5	7°23	17°39	22°16	13♊56	14°57	16°48	n.a.	T 2
W 3	0 15 2	2° 6'28	21°10	25° 7	4°16	29°25	25°24	6°12	7°25	17°41	22°17	13°51	14°54	16°55	n.a.	W 3
T 4	0 18 59	3° 6'51	3♊36	25°49	5°30	0♍ 4	25°34	6°19	7°27	17°42	22°17	13°49	14°51	17° 1	n.a.	T 4
F 5	0 22 55	4° 7'16	16°17	26°26	6°43	0°42	25°45	6°26	7°29	17°44	22°18	13°D48	14°48	17° 8	n.a.	F 5
S 6	0 26 52	5° 7'44	29°16	26°57	7°57	1°21	25°56	6°33	7°31	17°46	22°19	13°R49	14°45	17°15	n.a.	S 6
S 7	0 30 49	6° 8'14	12♋37	27°21	9°10	1°59	26° 8	6°40	7°33	17°47	22°19	13°48	14°41	17°22	n.a.	S 7
M 8	0 34 45	7° 8'45	26°23	27°39	10°24	2°38	26°19	6°47	7°35	17°49	22°20	13°47	14°38	17°28	n.a.	M 8
T 9	0 38 42	8° 9'19	10♌36	27°49	11°37	3°17	26°30	6°55	7°37	17°51	22°21	13°43	14°35	17°35	n.a.	T 9
W10	0 42 38	9° 9'54	25°13	27°R50	12°51	3°55	26°42	7° 2	7°39	17°52	22°22	13°37	14°32	17°42	n.a.	W10
T 11	0 46 35	10°10'32	10♍12	27°41	14° 4	4°34	26°53	7° 9	7°42	17°54	22°22	13°28	14°29	17°49	n.a.	T 11
F 12	0 50 31	11°11'11	25°23	27°23	15°17	5°12	27° 5	7°16	7°44	17°55	22°23	13°18	14°26	17°55	n.a.	F 12
S 13	0 54 28	12°11'52	10♎37	26°55	16°31	5°51	27°16	7°23	7°46	17°57	22°24	13° 9	14°22	18° 2	n.a.	S 13
S 14	0 58 24	13°12'34	25°43	26°17	17°44	6°30	27°28	7°30	7°49	17°58	22°25	13° 0	14°19	18° 9	n.a.	S 14
M15	1 2 21	14°13'18	10♏30	25°28	18°57	7° 8	27°40	7°37	7°51	18° 0	22°26	12°54	14°16	18°15	n.a.	M15
T 16	1 6 18	15°14'04	24°52	24°29	20°11	7°47	27°52	7°44	7°54	18° 1	22°27	12°50	14°13	18°22	n.a.	T 16
W17	1 10 14	16°14'51	8♐45	23°22	21°24	8°25	28° 4	7°51	7°56	18° 2	22°28	12°D48	14°10	18°29	n.a.	W17
T 18	1 14 11	17°15'39	22°10	22° 8	22°37	9° 4	28°16	7°58	7°59	18° 4	22°29	12°49	14° 7	18°36	n.a.	T 18
F 19	1 18 7	18°16'28	5♑ 7	20°49	23°50	9°43	28°28	8° 5	8° 1	18° 5	22°30	12°50	14° 3	18°42	n.a.	F 19
S 20	1 22 4	19°17'18	17°43	19°28	25° 3	10°21	28°40	8°12	8° 4	18° 6	22°31	12°R50	14° 0	18°49	n.a.	S 20
S 21	1 26 0	20°18'10	0♒ 0	18° 6	26°16	11° 0	28°53	8°19	8° 7	18° 8	22°32	12°50	13°57	18°56	n.a.	S 21
M22	1 29 57	21°19'02	12° 5	16°48	27°30	11°39	29° 5	8°26	8° 9	18° 9	22°33	12°47	13°54	19° 2	n.a.	M22
T 23	1 33 53	22°19'56	24° 1	15°35	28°43	12°17	29°18	8°33	8°12	18°10	22°34	12°42	13°51	19° 9	n.a.	T 23
W24	1 37 50	23°20'50	5♓53	14°29	29°55	12°56	29°30	8°40	8°15	18°11	22°35	12°36	13°47	19°16	n.a.	W24
T 25	1 41 47	24°21'46	17°44	13°33	1♐ 8	13°35	29°43	8°47	8°17	18°12	22°36	12°27	13°44	19°23	n.a.	T 25
F 26	1 45 43	25°22'43	29°38	12°48	2°21	14°13	29°55	8°54	8°20	18°14	22°38	12°18	13°41	19°29	n.a.	F 26
S 27	1 49 40	26°23'40	11♈37	12°14	3°34	14°52	0♐ 8	9° 1	8°23	18°15	22°39	12° 8	13°38	19°36	n.a.	S 27
S 28	1 53 36	27°24'39	23°41	11°52	4°47	15°31	0°21	9° 8	8°26	18°16	22°40	12° 0	13°35	19°43	n.a.	S 28
M29	1 57 33	28°25'39	5♉52	11°D41	6° 0	16° 9	0°34	9°14	8°29	18°17	22°41	11°53	13°32	19°50	n.a.	M29
T 30	2 1 29	29°26'40	18°12	11°42	7°12	16°48	0°46	9°21	8°32	18°18	22°43	11°48	13°28	19°56	n.a.	T 30
W31	2 5 26	0♏27'42	0♊41	11♎52	8♐25	17♍27	0♐59	9♎28	8♐35	18♌19	22♐44	11♊45	13♊25	20♓ 3	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	0s 2	7n 2	3s41	11s53	2s51	12s59	0s46	13n28	1n16	19s 5	0n13	0s16	2n20	21s58	0s 8	16n49	1n 6	26s32	3s 0	22n49	22n55	10s 3			n.a.
T 2	0 27	11 56	2 54	12 13	2 52	13 28	0 49	13 15	1 16	19 8	0 13	0 19	2 20	21 59	0 8	16 49	1 6	26 32	3 0	22 48	22 55	10 0			n.a.
W 3	0 51	16 26	1 57	12 31	2 53	13 56	0 51	13 1	1 16	19 11	0 12	0 22	2 20	21 59	0 8	16 48	1 6	26 32	3 0	22 47	22 55	9 58			n.a.
T 4	1 15	20 18	0 54	12 47	2 53	14 24	0 54	12 47	1 16	19 14	0 12	0 25	2 20	21 59	0 8	16 48	1 6	26 32	3 0	22 47	22 54	9 55			n.a.
F 5	1 40	23 17	0n13	13 0	2 51	14 51	0 57	12 34	1 16	19 16	0 12	0 27	2 20	22 0	0 8	16 47	1 6	26 32	3 0	22 47	22 54	9 52			n.a.
S 6	2 4	25 8	1 21	13 9	2 49	15 18	1 0	12 20	1 16	19 19	0 12	0 30	2 20	22 0	0 8	16 47	1 6	26 32	3 0	22 47	22 54	9 49			n.a.
S 7	2 28	25 36	2 27	13 15	2 46	15 45	1 3	12 6	1 16	19 22	0 12	0 33	2 20	22 0	0 8	16 46	1 6	26 33	3 0	22 47	22 53	9 47			n.a.
M 8	2 53	24 33	3 26	13 18	2 42	16 11	1 6	11 52	1 16	19 25	0 12	0 36	2 20	22 1	0 8	16 46	1 6	26 33	3 0	22 47	22 53	9 44			n.a.
T 9	3 17	21 54	4 15	13 16	2 36	16 37	1 8	11 38	1 16	19 28	0 12	0 39	2 20	22 1	0 8	16 45	1 7	26 33	3 0	22 46	22 52	9 41			n.a.
W10	3 41	17 48	4 48	13 10	2 29	17 2	1 11	11 23	1 16	19 30	0 11	0 42	2 20	22 1	0 8	16 45	1 7	26 33	3 0	22 45	22 52	9 39			n.a.
T 11	4 5	12 30	5 3	12 58	2 20	17 28	1 14	11 9	1 16	19 33	0 11	0 45	2 20	22 2	0 8	16 44	1 7	26 33	3 0	22 44	22 52	9 36			n.a.
F 12	4 29	6 23	4 57	12 42	2 10	17 52	1 16	10 55	1 16	19 36	0 11	0 47	2 20	22 2	0 8	16 44	1 7	26 33	3 0	22 43	22 51	9 33			n.a.
S 13	4 53	0s 8	4 30	12 21	1 58	18 16	1 19	10 40	1 16	19 39	0 11	0 50	2 20	22 2	0 8	16 44	1 7	26 33	3 0	22 42	22 51	9 30			n.a.
S 14	5 17	6 36	3 44	11 54	1 44	18 40	1 22	10 26	1 16	19 42	0 11	0 53	2 20	22 3	0 8	16 43	1 7	26 33	3 0	22 41	22 51	9 28			n.a.
M15	5 41	12 36	2 44	11 21	1 28	19 3	1 24	10 11	1 16	19 45	0 11	0 56	2 20	22 3	0 8	16 43	1 7	26 33	3 0	22 40	22 50	9 25			n.a.
T 16	6 5	17 44	1 34	10 43	1 11	19 26	1 27	9 57	1 16	19 48	0 11	0 59	2 20	22 4	0 8	16 42	1 7	26 33	3 0	22 40	22 50	9 22			n.a.
W17	6 29	21 43	0 22	10 1	0 53	19 48	1 29	9 42	1 16	19 50	0 11	1 1	2 20	22 4	0 8	16 42	1 7	26 33	3 0	22 39	22 49	9 20			n.a.
T 18	6 52	24 23	0s50	9 15	0 33	20 10	1 32	9 27	1 16	19 53	0 10	1 4	2 20	22 5	0 8	16 42	1 7	26 33	3 0	22 39	22 49	9 17			n.a.
F 19	7 16	25 37	1 57	8 26	0 13	20 31	1 34	9 13	1 16	19 56	0 10	1 7	2 20	22 5	0 8	16 41	1 7	26 33	3 0	22 40	22 49	9 14			n.a.
S 20	7 39	25 30	2 56	7 36	0n 8	20 52	1 37	8 58	1 16	19 59	0 10	1 10	2 20	22 5	0 8	16 41	1 7	26 33	3 0	22 40	22 48	9 11			n.a.
S 21	8 3	24 6	3 46	6 45	0 29	21 12	1 39	8 43	1 16	20 2	0 10	1 12	2 20	22 6	0 8	16 40	1 7	26 33	3 0	22 40	22 48	9 9			n.a.
M22	8 26	21 38	4 24	5 57	0 49	21 31	1 41	8 28	1 16	20 5	0 10	1 15	2 20	22 6	0 8	16 40	1 7	26 33	3 0	22 39	22 48	9 6			n.a.
T 23	8 49	18 16	4 51	5 11	1 7	21 50	1 43	8 13	1 16	20 8	0 10	1 18	2 20	22 7	0 8	16 40	1 7	26 33	3 0	22 39	22 47	9 3			n.a.
W24	9 12	14 11	5 5	4 30	1 24	22 8	1 45	7 58	1 16	20 10	0 10	1 21	2 20	22 7	0 8	16 39	1 7	26 34	3 0	22 38	22 47	9 0			n.a.
T 25	9 34	9 35	5 5	3 54	1 40	22 26	1 47	7 43	1 16	20 13	0 10	1 23	2 20	22 8	0 8	16 39	1 7	26 34	3 0	22 37	22 46	8 57			n.a.
F 26	9 57	4 37	4 53	3 23	1 53	22 43	1 49	7 28	1 16	20 16	0 9	1 26	2 20	22 8	0 8	16 39	1 7	26 34	3 0	22 35	22 46	8 55			n.a.
S 27	10 20	0n34	4 28	3 0	2 5	22 59	1 51	7 12	1 16	20 19	0 9	1 29	2 20	22 9	0 8	16 39	1 7	26 34	3 0	22 34	22 46	8 52			n.a.
S 28	10 42	5 46	3 50	2 42	2 14	23 15	1 53	6 57	1 16	20 22	0 9	1 31	2 20	22 9	0 8	16 38	1 7	26 34	3 0	22 33	22 45	8 49			n.a.
M29	11 4	10 49	3 2	2 31	2 22	23 30	1 55	6 42	1 16	20 25	0 9	1 34	2 20	22 9	0 8	16 38	1 7	26 34	3 0	22 32	22 45	8 46			n.a.
T 30	11 26	15 31	2 4	2 26	2 27	23 45	1 57	6 27	1 16	20 27	0 9	1 37	2 20	22 10	0 8	16 38	1 7	26 34	3 0	22 31	22 44	8 44			n.a.
W31	11s48	19n37	1s 0	2s26	2n31	23s58	1s59	6n11	1n16	20s30	0n 9	1s39	2n20	22s10	0s 8	16n37	1n 7	26s34	3s 0	22n31	22n44	8s41			n.a.

Julian Day Number = 1466751.5, Delta T = 05h34m33s
Ecliptic obliquity = 23°46'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'11, Lahiri = -13°35'11 Julian Calendar 1 Oct. 698 BCE == Greg. Calendar 24 Sept. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

NOVEMBER 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 9 22	1♏28'46	13♊21	12♎12	9♐38	18♍ 5	1♐12	9♎35	8♐38	18♑20	22♐45	11°D44	13♊22	20♓10	n.a.	T 1
F 2	2 13 19	2°29'51	26°13	12°40	10°50	18°44	1°25	9°41	8°41	18°20	22°47	11♊45	13°19	20°16	n.a.	F 2
S 3	2 17 16	3°30'57	9♋20	13°16	12° 3	19°23	1°38	9°48	8°44	18°21	22°48	11°47	13°16	20°23	n.a.	S 3
S 4	2 21 12	4°32'04	22°43	13°59	13°15	20° 2	1°52	9°55	8°47	18°22	22°49	11°48	13°12	20°30	n.a.	S 4
M 5	2 25 9	5°33'12	6♌24	14°48	14°27	20°40	2° 5	10° 1	8°50	18°23	22°51	11°R49	13° 9	20°37	n.a.	M 5
T 6	2 29 5	6°34'21	20°25	15°43	15°40	21°19	2°18	10° 8	8°53	18°24	22°52	11°48	13° 6	20°43	n.a.	T 6
W 7	2 33 2	7°35'32	4♍45	16°42	16°52	21°58	2°31	10°15	8°57	18°24	22°54	11°45	13° 3	20°50	n.a.	W 7
T 8	2 36 58	8°36'43	19°20	17°45	18° 4	22°37	2°45	10°21	9° 0	18°25	22°55	11°42	13° 0	20°57	n.a.	T 8
F 9	2 40 55	9°37'55	4♎ 7	18°52	19°17	23°15	2°58	10°28	9° 3	18°26	22°57	11°37	12°57	21° 4	n.a.	F 9
S 10	2 44 51	10°39'08	18°59	20° 2	20°29	23°54	3°11	10°34	9° 6	18°26	22°58	11°32	12°53	21°10	n.a.	S 10
S 11	2 48 48	11°40'22	3♏46	21°14	21°41	24°33	3°25	10°41	9° 9	18°27	23° 0	11°28	12°50	21°17	n.a.	S 11
M12	2 52 45	12°41'37	18°22	22°29	22°53	25°12	3°38	10°47	9°13	18°28	23° 1	11°25	12°47	21°24	n.a.	M12
T 13	2 56 41	13°42'52	2♐39	23°46	24° 5	25°50	3°52	10°53	9°16	18°28	23° 3	11°23	12°44	21°30	n.a.	T 13
W14	3 0 38	14°44'08	16°33	25° 5	25°16	26°29	4° 6	11° 0	9°19	18°29	23° 4	11°D23	12°41	21°37	n.a.	W14
T 15	3 4 34	15°45'24	0♑ 2	26°26	26°28	27° 8	4°19	11° 6	9°23	18°29	23° 6	11°24	12°38	21°44	n.a.	T 15
F 16	3 8 31	16°46'41	13° 6	27°47	27°40	27°47	4°33	11°12	9°26	18°30	23° 8	11°25	12°34	21°51	n.a.	F 16
S 17	3 12 27	17°47'57	25°47	29°10	28°52	28°25	4°46	11°18	9°29	18°30	23° 9	11°27	12°31	21°57	n.a.	S 17
S 18	3 16 24	18°49'14	8♒ 9	0♏34	0♑ 3	29° 4	5° 0	11°24	9°33	18°30	23°11	11°28	12°28	22° 4	n.a.	S 18
M19	3 20 21	19°50'30	20°17	1°59	1°15	29°43	5°14	11°30	9°36	18°31	23°13	11°R29	12°25	22°11	n.a.	M19
T 20	3 24 17	20°51'47	2♓15	3°25	2°26	0♎22	5°28	11°36	9°40	18°31	23°14	11°28	12°22	22°17	n.a.	T 20
W21	3 28 14	21°53'03	14° 7	4°51	3°37	1° 1	5°41	11°42	9°43	18°31	23°16	11°27	12°18	22°24	n.a.	W21
T 22	3 32 10	22°54'20	25°59	6°18	4°48	1°39	5°55	11°48	9°47	18°31	23°18	11°24	12°15	22°31	n.a.	T 22
F 23	3 36 7	23°55'36	7♈55	7°46	5°59	2°18	6° 9	11°54	9°50	18°32	23°19	11°21	12°12	22°38	n.a.	F 23
S 24	3 40 3	24°56'52	19°57	9°14	7°10	2°57	6°23	12° 0	9°54	18°32	23°21	11°19	12° 9	22°44	n.a.	S 24
S 25	3 44 0	25°58'08	2♉ 8	10°43	8°21	3°36	6°37	12° 6	9°57	18°32	23°23	11°16	12° 6	22°51	n.a.	S 25
M26	3 47 56	26°59'25	14°31	12°12	9°32	4°14	6°51	12°12	10° 1	18°32	23°25	11°14	12° 3	22°58	n.a.	M26
T 27	3 51 53	28° 0'41	27° 7	13°42	10°43	4°53	7° 5	12°17	10° 4	18°32	23°26	11°13	11°59	23° 5	n.a.	T 27
W28	3 55 50	29° 1'57	9♊55	15°12	11°53	5°32	7°19	12°23	10° 8	18°R32	23°28	11°D13	11°56	23°11	n.a.	W28
T 29	3 59 46	0♐ 3'13	22°57	16°42	13° 4	6°11	7°32	12°28	10°11	18°32	23°30	11°13	11°53	23°18	n.a.	T 29
F 30	4 3 43	1♐ 4'29	6♋12	18♏13	14♑14	6♎50	7♐46	12♎34	10♐15	18♑32	23♐32	11♊14	11♊50	23♓25	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s 9	22n52	0n 9	2s32	2n34	24s11	2s 0	5n56	1n16	20s33	0n 9	1s42	2n20	22s11	0s 8	16n37	1n 8	26s34	3s 0	22n31	22n44	8s38		n.a.
F 2	12 31	25 1	1 18	2 42	2 35	24 24	2 2	5 40	1 16	20 36	0 9	1 45	2 21	22 11	0 8	16 37	1 8	26 34	3 0	22 31	22 43	8 35		n.a.
S 3	12 52	25 51	2 24	2 56	2 35	24 35	2 3	5 25	1 16	20 39	0 8	1 47	2 21	22 12	0 8	16 37	1 8	26 34	3 0	22 31	22 43	8 32		n.a.
S 4	13 13	25 12	3 24	3 14	2 34	24 46	2 5	5 10	1 15	20 42	0 8	1 50	2 21	22 12	0 8	16 37	1 8	26 34	3 0	22 31	22 42	8 30		n.a.
M 5	13 34	23 2	4 14	3 35	2 31	24 57	2 6	4 54	1 15	20 44	0 8	1 52	2 21	22 13	0 8	16 36	1 8	26 35	3 0	22 31	22 42	8 27		n.a.
T 6	13 54	19 28	4 50	3 59	2 29	25 6	2 7	4 38	1 15	20 47	0 8	1 55	2 21	22 13	0 8	16 36	1 8	26 35	3 0	22 31	22 42	8 24		n.a.
W 7	14 14	14 41	5 9	4 26	2 25	25 15	2 8	4 23	1 15	20 50	0 8	1 57	2 21	22 14	0 8	16 36	1 8	26 35	3 0	22 31	22 41	8 21		n.a.
T 8	14 34	9 0	5 9	4 54	2 20	25 23	2 9	4 7	1 15	20 53	0 8	2 0	2 21	22 14	0 8	16 36	1 8	26 35	3 0	22 30	22 41	8 18		n.a.
F 9	14 54	2 44	4 48	5 24	2 16	25 30	2 10	3 52	1 15	20 55	0 8	2 2	2 21	22 15	0 8	16 36	1 8	26 35	3 0	22 30	22 40	8 16		n.a.
S 10	15 14	3s43	4 8	5 56	2 10	25 37	2 11	3 36	1 15	20 58	0 8	2 5	2 21	22 15	0 8	16 35	1 8	26 35	3 0	22 29	22 40	8 13		n.a.
S 11	15 33	9 57	3 11	6 29	2 5	25 43	2 12	3 20	1 15	21 1	0 7	2 7	2 21	22 16	0 8	16 35	1 8	26 35	3 0	22 29	22 40	8 10		n.a.
M12	15 52	15 35	2 3	7 3	1 59	25 48	2 13	3 5	1 15	21 4	0 7	2 10	2 21	22 16	0 8	16 35	1 8	26 35	3 0	22 28	22 39	8 7		n.a.
T 13	16 11	20 12	0 48	7 37	1 52	25 52	2 14	2 49	1 15	21 6	0 7	2 12	2 22	22 17	0 8	16 35	1 8	26 35	3 0	22 28	22 39	8 4		n.a.
W14	16 29	23 34	0s28	8 12	1 46	25 56	2 14	2 33	1 15	21 9	0 7	2 15	2 22	22 17	0 8	16 35	1 8	26 36	3 0	22 28	22 38	8 2		n.a.
T 15	16 47	25 27	1 41	8 48	1 39	25 58	2 15	2 17	1 14	21 12	0 7	2 17	2 22	22 18	0 8	16 35	1 8	26 36	3 0	22 28	22 38	7 59		n.a.
F 16	17 5	25 52	2 46	9 24	1 32	26 0	2 15	2 2	1 14	21 14	0 7	2 19	2 22	22 18	0 8	16 35	1 8	26 36	3 0	22 28	22 38	7 56		n.a.
S 17	17 23	24 54	3 40	10 1	1 25	26 2	2 15	1 46	1 14	21 17	0 7	2 22	2 22	22 19	0 8	16 35	1 8	26 36	3 0	22 28	22 37	7 53		n.a.
S 18	17 40	22 43	4 23	10 37	1 18	26 2	2 15	1 30	1 14	21 20	0 7	2 24	2 22	22 20	0 8	16 35	1 8	26 36	3 0	22 29	22 37	7 50		n.a.
M19	17 57	19 34	4 54	11 14	1 11	26 2	2 15	1 14	1 14	21 22	0 7	2 26	2 22	22 20	0 8	16 35	1 8	26 36	3 0	22 29	22 36	7 47		n.a.
T 20	18 14	15 39	5 11	11 50	1 3	26 1	2 15	0 59	1 14	21 25	0 6	2 28	2 22	22 21	0 8	16 34	1 8	26 36	3 0	22 29	22 36	7 45		n.a.
W21	18 30	11 9	5 15	12 27	0 56	25 59	2 15	0 43	1 14	21 27	0 6	2 31	2 23	22 21	0 8	16 34	1 9	26 36	3 0	22 28	22 35	7 42		n.a.
T 22	18 46	6 16	5 5	13 3	0 49	25 56	2 15	0 27	1 13	21 30	0 6	2 33	2 23	22 22	0 8	16 34	1 9	26 37	3 0	22 28	22 35	7 39		n.a.
F 23	19 1	1 8	4 42	13 39	0 41	25 53	2 14	0 11	1 13	21 32	0 6	2 35	2 23	22 22	0 8	16 34	1 9	26 37	3 0	22 28	22 35	7 36		n.a.
S 24	19 16	4n 7	4 6	14 14	0 34	25 49	2 14	0s 4	1 13	21 35	0 6	2 37	2 23	22 23	0 8	16 34	1 9	26 37	3 0	22 27	22 34	7 33		n.a.
S 25	19 31	9 16	3 19	14 50	0 27	25 44	2 13	0 20	1 13	21 37	0 6	2 39	2 23	22 23	0 8	16 34	1 9	26 37	3 0	22 27	22 34	7 30		n.a.
M26	19 46	14 10	2 22	15 24	0 19	25 38	2 13	0 36	1 13	21 40	0 6	2 42	2 23	22 24	0 8	16 34	1 9	26 37	3 0	22 27	22 33	7 27		n.a.
T 27	20 0	18 32	1 17	15 59	0 12	25 32	2 12	0 52	1 13	21 42	0 6	2 44	2 23	22 24	0 8	16 34	1 9	26 37	3 1	22 27	22 33	7 25		n.a.
W28	20 14	22 8	0 7	16 33	0 5	25 25	2 11	1 7	1 12	21 45	0 6	2 46	2 24	22 25	0 8	16 35	1 9	26 37	3 1	22 26	22 32	7 22		n.a.
T 29	20 27	24 40	1n 5	17 6	0s 2	25 17	2 10	1 23	1 12	21 47	0 5	2 48	2 24	22 25	0 8	16 35	1 9	26 37	3 1	22 26	22 32	7 19		n.a.
F 30	20s40	25n52	2n14	17s38	0s 9	25s 9	2s 9	1s39	1n12	21s50	0n 5	2s50	2n24	22s26	0s 8	16n35	1n 9	26s38	3s 1	22n27	22n32	7s16		n.a.

Julian Day Number = 1466782.5, Delta T = 05h34m31s
Ecliptic obliquity = 23°46'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'07, Lahiri = -13°35'07 Julian Calendar 1 Nov. 698 BCE == Greg. Calendar 25 Oct. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 698 BCE
geocentric

DECEMBER 698 BCE (-697) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 7 39	2♐ 5'45	19♋39	19♏45	15♉24	7♎28	8♐ 0	12♎39	10♐18	18°R32	23♐34	11♊14	11♊47	23♓31	n.a.	S 1
S 2	4 11 36	3° 7'02	3♌18	21°16	16°34	8° 7	8°14	12°45	10°22	18♌32	23°36	11°15	11°44	23°38	n.a.	S 2
M 3	4 15 32	4° 8'18	17° 9	22°48	17°44	8°46	8°28	12°50	10°25	18°32	23°37	11°16	11°40	23°45	n.a.	M 3
T 4	4 19 29	5° 9'34	1♍ 9	24°21	18°54	9°25	8°42	12°55	10°29	18°32	23°39	11°R16	11°37	23°52	n.a.	T 4
W 5	4 23 25	6°10'50	15°19	25°54	20° 3	10° 4	8°56	13° 0	10°32	18°31	23°41	11°16	11°34	23°58	n.a.	W 5
T 6	4 27 22	7°12'06	29°36	27°27	21°13	10°42	9°10	13° 5	10°36	18°31	23°43	11°16	11°31	24° 5	n.a.	T 6
F 7	4 31 19	8°13'22	13♎57	29° 1	22°22	11°21	9°24	13°10	10°40	18°31	23°45	11°15	11°28	24°12	n.a.	F 7
S 8	4 35 15	9°14'37	28°18	0♐35	23°32	12° 0	9°39	13°15	10°43	18°30	23°47	11°15	11°24	24°18	n.a.	S 8
S 9	4 39 12	10°15'53	12♏36	2°10	24°41	12°39	9°53	13°20	10°47	18°30	23°49	11°15	11°21	24°25	n.a.	S 9
M10	4 43 8	11°17'08	26°46	3°45	25°49	13°18	10° 7	13°25	10°50	18°30	23°51	11°D15	11°18	24°32	n.a.	M10
T 11	4 47 5	12°18'23	10♐43	5°20	26°58	13°56	10°21	13°30	10°54	18°29	23°52	11°R15	11°15	24°39	n.a.	T 11
W12	4 51 1	13°19'37	24°23	6°56	28° 7	14°35	10°35	13°35	10°57	18°29	23°54	11°15	11°12	24°45	n.a.	W12
T 13	4 54 58	14°20'50	7♑45	8°33	29°15	15°14	10°49	13°39	11° 1	18°28	23°56	11°15	11° 9	24°52	n.a.	T 13
F 14	4 58 55	15°22'03	20°47	10° 9	0♒23	15°53	11° 3	13°44	11° 5	18°28	23°58	11°14	11° 5	24°59	n.a.	F 14
S 15	5 2 51	16°23'14	3♒30	11°47	1°31	16°31	11°17	13°48	11° 8	18°27	24° 0	11°14	11° 2	25° 6	n.a.	S 15
S 16	5 6 48	17°24'25	15°55	13°25	2°39	17°10	11°31	13°52	11°12	18°27	24° 2	11°13	10°59	25°12	n.a.	S 16
M17	5 10 44	18°25'35	28° 6	15° 4	3°47	17°49	11°45	13°57	11°15	18°26	24° 4	11°12	10°56	25°19	n.a.	M17
T 18	5 14 41	19°26'43	10♓ 6	16°43	4°54	18°28	11°59	14° 1	11°19	18°25	24° 6	11°12	10°53	25°26	n.a.	T 18
W19	5 18 37	20°27'51	21°59	18°22	6° 1	19° 6	12°13	14° 5	11°22	18°25	24° 8	11°D12	10°50	25°32	n.a.	W19
T 20	5 22 34	21°28'57	3♈51	20° 3	7° 8	19°45	12°27	14° 9	11°26	18°24	24°10	11°12	10°46	25°39	n.a.	T 20
F 21	5 26 30	22°30'01	15°47	21°44	8°15	20°24	12°41	14°13	11°30	18°23	24°12	11°13	10°43	25°46	n.a.	F 21
S 22	5 30 27	23°31'05	27°50	23°25	9°22	21° 2	12°54	14°17	11°33	18°22	24°14	11°14	10°40	25°53	n.a.	S 22
S 23	5 34 24	24°32'08	10♉ 5	25° 7	10°28	21°41	13° 8	14°21	11°37	18°22	24°16	11°15	10°37	25°59	n.a.	S 23
M24	5 38 20	25°33'09	22°35	26°50	11°34	22°20	13°22	14°25	11°40	18°21	24°18	11°16	10°34	26° 6	n.a.	M24
T 25	5 42 17	26°34'09	5♊23	28°33	12°40	22°59	13°36	14°28	11°44	18°20	24°19	11°R17	10°30	26°13	n.a.	T 25
W26	5 46 13	27°35'08	18°30	0♑17	13°45	23°37	13°50	14°32	11°47	18°19	24°21	11°17	10°27	26°19	n.a.	W26
T 27	5 50 10	28°36'05	1♋55	2° 2	14°50	24°16	14° 4	14°35	11°51	18°18	24°23	11°16	10°24	26°26	n.a.	T 27
F 28	5 54 6	29°37'02	15°37	3°47	15°55	24°55	14°18	14°39	11°54	18°17	24°25	11°14	10°21	26°33	n.a.	F 28
S 29	5 58 3	0♑37'57	29°33	5°33	17° 0	25°33	14°31	14°42	11°57	18°16	24°27	11°11	10°18	26°40	n.a.	S 29
S 30	6 2 0	1°38'51	13♌40	7°19	18° 4	26°12	14°45	14°45	12° 1	18°15	24°29	11° 9	10°15	26°46	n.a.	S 30
M31	6 5 56	2♑39'45	27♌53	9♑ 6	19♒ 8	26♎51	14♐59	14♎48	12♐ 4	18♌14	24♐31	11♊ 6	10♊11	26♓53	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s53	25n34	3n17	18s10	0s16	24s59	2s 8	1s55	1n12	21s52	0n 5	2s52	2n24	22s26	0s 8	16n35	1n 9	26s38	3s 1	22n27	22n31	7s13		n.a.
S 2	21 5	23 45	4 10	18 41	0 22	24 49	2 6	2 10	1 12	21 55	0 5	2 54	2 24	22 27	0 8	16 35	1 9	26 38	3 1	22 27	22 31	7 10		n.a.
M 3	21 16	20 30	4 49	19 12	0 29	24 39	2 5	2 26	1 11	21 57	0 5	2 56	2 24	22 27	0 8	16 35	1 9	26 38	3 1	22 27	22 30	7 7		n.a.
T 4	21 28	16 4	5 12	19 42	0 35	24 27	2 3	2 42	1 11	21 59	0 5	2 57	2 25	22 28	0 8	16 35	1 9	26 38	3 1	22 27	22 30	7 5		n.a.
W 5	21 39	10 43	5 16	20 11	0 42	24 16	2 1	2 57	1 11	22 2	0 5	2 59	2 25	22 29	0 8	16 35	1 9	26 38	3 1	22 27	22 29	7 2		n.a.
T 6	21 49	4 45	5 1	20 39	0 48	24 3	2 0	3 13	1 11	22 4	0 5	3 1	2 25	22 29	0 8	16 35	1 9	26 38	3 1	22 27	22 29	6 59		n.a.
F 7	21 59	1s29	4 27	21 6	0 54	23 50	1 58	3 28	1 10	22 6	0 5	3 3	2 25	22 30	0 8	16 35	1 9	26 39	3 1	22 27	22 29	6 56		n.a.
S 8	22 9	7 39	3 36	21 32	0 59	23 36	1 56	3 44	1 10	22 8	0 4	3 5	2 25	22 30	0 8	16 36	1 9	26 39	3 1	22 27	22 28	6 53		n.a.
S 9	22 18	13 25	2 32	21 57	1 5	23 21	1 53	4 0	1 10	22 11	0 4	3 7	2 25	22 31	0 8	16 36	1 9	26 39	3 1	22 27	22 28	6 50		n.a.
M10	22 27	18 25	1 20	22 21	1 11	23 6	1 51	4 15	1 10	22 13	0 4	3 8	2 26	22 31	0 8	16 36	1 9	26 39	3 1	22 27	22 27	6 47		n.a.
T 11	22 35	22 19	0 3	22 44	1 16	22 50	1 49	4 31	1 9	22 15	0 4	3 10	2 26	22 32	0 8	16 36	1 9	26 39	3 1	22 27	22 27	6 44		n.a.
W12	22 43	24 52	1s12	23 6	1 21	22 34	1 46	4 46	1 9	22 17	0 4	3 12	2 26	22 32	0 8	16 36	1 10	26 39	3 1	22 27	22 26	6 41		n.a.
T 13	22 51	25 54	2 22	23 27	1 26	22 17	1 43	5 1	1 9	22 19	0 4	3 13	2 26	22 33	0 8	16 36	1 10	26 40	3 1	22 27	22 26	6 39		n.a.
F 14	22 58	25 28	3 22	23 46	1 30	22 0	1 41	5 17	1 9	22 21	0 4	3 15	2 26	22 33	0 8	16 37	1 10	26 40	3 2	22 27	22 25	6 36		n.a.
S 15	23 4	23 42	4 11	24 5	1 34	21 41	1 38	5 32	1 8	22 23	0 4	3 16	2 27	22 34	0 8	16 37	1 10	26 40	3 2	22 27	22 25	6 33		n.a.
S 16	23 10	20 50	4 47	24 22	1 38	21 23	1 35	5 47	1 8	22 25	0 4	3 18	2 27	22 34	0 8	16 37	1 10	26 40	3 2	22 27	22 25	6 30		n.a.
M17	23 16	17 7	5 9	24 37	1 42	21 4	1 32	6 3	1 8	22 27	0 4	3 19	2 27	22 35	0 8	16 37	1 10	26 40	3 2	22 26	22 24	6 27		n.a.
T 18	23 21	12 46	5 17	24 51	1 46	20 44	1 28	6 18	1 7	22 29	0 3	3 21	2 27	22 35	0 8	16 38	1 10	26 40	3 2	22 26	22 24	6 24		n.a.
W19	23 26	7 58	5 11	25 4	1 49	20 24	1 25	6 33	1 7	22 31	0 3	3 22	2 27	22 36	0 8	16 38	1 10	26 41	3 2	22 26	22 23	6 21		n.a.
T 20	23 30	2 55	4 52	25 15	1 52	20 4	1 21	6 48	1 7	22 33	0 3	3 24	2 28	22 36	0 8	16 38	1 10	26 41	3 2	22 26	22 23	6 18		n.a.
F 21	23 34	2n17	4 21	25 25	1 54	19 43	1 18	7 3	1 6	22 35	0 3	3 25	2 28	22 37	0 8	16 38	1 10	26 41	3 2	22 26	22 22	6 15		n.a.
S 22	23 37	7 28	3 38	25 33	1 56	19 21	1 14	7 18	1 6	22 37	0 3	3 26	2 28	22 37	0 8	16 39	1 10	26 41	3 2	22 27	22 22	6 12		n.a.
S 23	23 40	12 27	2 44	25 39	1 58	18 59	1 10	7 33	1 6	22 39	0 3	3 28	2 28	22 38	0 8	16 39	1 10	26 41	3 2	22 27	22 21	6 9		n.a.
M24	23 42	17 3	1 42	25 44	2 0	18 37	1 6	7 48	1 5	22 41	0 3	3 29	2 28	22 38	0 8	16 39	1 10	26 41	3 2	22 27	22 21	6 7		n.a.
T 25	23 44	20 58	0 33	25 47	2 1	18 14	1 2	8 3	1 5	22 43	0 3	3 30	2 29	22 39	0 8	16 40	1 10	26 42	3 2	22 27	22 20	6 4		n.a.
W26	23 45	23 56	0n40	25 48	2 1	17 51	0 58	8 18	1 5	22 45	0 3	3 31	2 29	22 39	0 8	16 40	1 10	26 42	3 2	22 27	22 20	6 1		n.a.
T 27	23 46	25 37	1 51	25 47	2 1	17 28	0 53	8 33	1 4	22 46	0 2	3 33	2 29	22 40	0 8	16 40	1 10	26 42	3 3	22 27	22 20	5 58		n.a.
F 28	23 47	25 48	2 58	25 45	2 1	17 4	0 49	8 47	1 4	22 48	0 2	3 34	2 29	22 40	0 8	16 41	1 10	26 42	3 3	22 27	22 19	5 55		n.a.
S 29	23 47	24 22	3 55	25 40	2 0	16 40	0 44	9 2	1 3	22 50	0 2	3 35	2 30	22 41	0 8	16 41	1 10	26 42	3 3	22 26	22 19	5 52		n.a.
S 30	23 46	21 24	4 39	25 33	1 59	16 15	0 39	9 17	1 3	22 52	0 2	3 36	2 30	22 41	0 8	16 41	1 10	26 42	3 3	22 26	22 18	5 49		n.a.
M31	23s45	17n 9	5n 6	25s25	1s57	15s50	0s34	9s31	1n 3	22s53	0n 2	3s37	2n30	22s42	0s 8	16n42	1n10	26s43	3s 3	22n25	22n18	5s46		n.a.

Julian Day Number = 1466812.5, Delta T = 05h34m30s
Ecliptic obliquity = 23°46'47, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°42'03, Lahiri = -13°35'02 Julian Calendar 1 Dec. 698 BCE == Greg. Calendar 24 Nov. 698 BCE

The year -697 astronomical counting style corresponds to year 698 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

JANUARY 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 9 53	3♉40'36	12♍ 8	10♉53	20♒12	27♎29	15♐13	14♎51	12♐ 8	18°R13	24♐33	11°R 3	10♊ 8	27♓ 0	n.a.	T 1
W 2	6 13 49	4°41'27	26°23	12°40	21°15	28° 8	15°26	14°54	12°11	18♑12	24°35	11♊ 2	10° 5	27° 6	n.a.	W 2
T 3	6 17 46	5°42'17	10♎33	14°27	22°18	28°46	15°40	14°57	12°14	18°11	24°37	11°D 2	10° 2	27°13	n.a.	T 3
F 4	6 21 42	6°43'06	24°38	16°15	23°20	29°25	15°54	15° 0	12°18	18°10	24°39	11° 3	9°59	27°20	n.a.	F 4
S 5	6 25 39	7°43'53	8♏36	18° 3	24°23	0♏ 4	16° 7	15° 2	12°21	18° 9	24°41	11° 4	9°56	27°27	n.a.	S 5
S 6	6 29 35	8°44'39	22°26	19°50	25°25	0°42	16°21	15° 5	12°24	18° 8	24°43	11° 6	9°52	27°33	n.a.	S 6
M 7	6 33 32	9°45'25	6♐ 6	21°36	26°26	1°21	16°34	15° 7	12°28	18° 6	24°44	11°R 7	9°49	27°40	n.a.	M 7
T 8	6 37 29	10°46'08	19°35	23°22	27°27	1°59	16°48	15°10	12°31	18° 5	24°46	11° 7	9°46	27°47	n.a.	T 8
W 9	6 41 25	11°46'51	2♉53	25° 7	28°28	2°38	17° 1	15°12	12°34	18° 4	24°48	11° 5	9°43	27°54	n.a.	W 9
T 10	6 45 22	12°47'32	15°57	26°51	29°28	3°17	17°14	15°14	12°37	18° 3	24°50	11° 2	9°40	28° 0	n.a.	T 10
F 11	6 49 18	13°48'11	28°47	28°32	0♓28	3°55	17°28	15°16	12°41	18° 1	24°52	10°57	9°36	28° 7	n.a.	F 11
S 12	6 53 15	14°48'48	11♒23	0♒12	1°27	4°34	17°41	15°18	12°44	18° 0	24°54	10°51	9°33	28°14	n.a.	S 12
S 13	6 57 11	15°49'24	23°45	1°49	2°26	5°12	17°54	15°20	12°47	17°59	24°56	10°44	9°30	28°20	n.a.	S 13
M14	7 1 8	16°49'57	5♓55	3°22	3°24	5°50	18° 7	15°22	12°50	17°57	24°57	10°38	9°27	28°27	n.a.	M14
T 15	7 5 4	17°50'29	17°55	4°51	4°22	6°29	18°21	15°24	12°53	17°56	24°59	10°33	9°24	28°34	n.a.	T 15
W16	7 9 1	18°50'59	29°48	6°16	5°20	7° 7	18°34	15°25	12°56	17°55	25° 1	10°29	9°21	28°41	n.a.	W16
T 17	7 12 58	19°51'26	11♈39	7°36	6°16	7°46	18°47	15°27	12°59	17°53	25° 3	10°27	9°17	28°47	n.a.	T 17
F 18	7 16 54	20°51'52	23°33	8°50	7°12	8°24	19° 0	15°28	13° 2	17°52	25° 5	10°D27	9°14	28°54	n.a.	F 18
S 19	7 20 51	21°52'15	5♉34	9°58	8° 8	9° 2	19°13	15°29	13° 5	17°50	25° 6	10°27	9°11	29° 1	n.a.	S 19
S 20	7 24 47	22°52'37	17°48	10°58	9° 3	9°41	19°26	15°31	13° 8	17°49	25° 8	10°29	9° 8	29° 7	n.a.	S 20
M21	7 28 44	23°52'56	0♊19	11°51	9°57	10°19	19°38	15°32	13°11	17°47	25°10	10°30	9° 5	29°14	n.a.	M21
T 22	7 32 40	24°53'13	13°12	12°35	10°51	10°57	19°51	15°33	13°14	17°46	25°12	10°R31	9° 2	29°21	n.a.	T 22
W23	7 36 37	25°53'29	26°28	13°10	11°44	11°36	20° 4	15°34	13°17	17°44	25°13	10°29	8°58	29°28	n.a.	W23
T 24	7 40 33	26°53'42	10♋ 9	13°37	12°36	12°14	20°16	15°34	13°20	17°43	25°15	10°26	8°55	29°34	n.a.	T 24
F 25	7 44 30	27°53'53	24°14	13°53	13°28	12°52	20°29	15°35	13°23	17°41	25°17	10°21	8°52	29°41	n.a.	F 25
S 26	7 48 27	28°54'02	8♌37	14°R 0	14°18	13°30	20°42	15°36	13°25	17°40	25°19	10°14	8°49	29°48	n.a.	S 26
S 27	7 52 23	29°54'10	23°14	13°58	15° 8	14° 8	20°54	15°36	13°28	17°38	25°20	10° 6	8°46	29°54	n.a.	S 27
M28	7 56 20	0♒54'15	7♍56	13°46	15°57	14°47	21° 6	15°37	13°31	17°37	25°22	9°58	8°42	0♈ 1	n.a.	M28
T 29	8 0 16	1°54'18	22°36	13°25	16°45	15°25	21°19	15°37	13°34	17°35	25°24	9°51	8°39	0° 8	n.a.	T 29
W30	8 4 13	2°54'20	7♎ 8	12°56	17°33	16° 3	21°31	15°37	13°36	17°34	25°25	9°46	8°36	0°15	n.a.	W30
T 31	8 8 9	3♒54'20	21♎27	12♒19	18♓19	16♏41	21♐43	15°R37	13♐39	17♑32	25♐27	9♊43	8♊33	0♈21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s44	11n56	5n14	25s14	1s55	15s25	0s29	9s46	1n 2	22s55	0n 2	3s38	2n30	22s42	0s 8	16n42	1n10	26s43	3s 3	22n25	22n17	5s43		n.a.
W 2	23 42	6 5	5 3	25 1	1 52	15 0	0 24	10 0	1 2	22 56	0 2	3 39	2 30	22 43	0 8	16 42	1 10	26 43	3 3	22 25	22 17	5 40		n.a.
T 3	23 39	0s 3	4 34	24 46	1 48	14 34	0 19	10 14	1 1	22 58	0 2	3 40	2 31	22 43	0 8	16 43	1 10	26 43	3 3	22 25	22 16	5 37		n.a.
F 4	23 36	6 9	3 48	24 29	1 44	14 9	0 13	10 29	1 1	23 0	0 2	3 40	2 31	22 43	0 8	16 43	1 11	26 43	3 3	22 25	22 16	5 34		n.a.
S 5	23 33	11 54	2 49	24 10	1 39	13 42	0 8	10 43	1 0	23 1	0 1	3 41	2 31	22 44	0 8	16 43	1 11	26 43	3 3	22 25	22 15	5 31		n.a.
S 6	23 29	17 1	1 41	23 50	1 33	13 16	0 2	10 57	1 0	23 3	0 1	3 42	2 31	22 44	0 8	16 44	1 11	26 44	3 3	22 26	22 15	5 28		n.a.
M 7	23 25	21 11	0 27	23 27	1 27	12 50	0n 3	11 11	0 59	23 4	0 1	3 43	2 32	22 45	0 8	16 44	1 11	26 44	3 4	22 26	22 14	5 25		n.a.
T 8	23 20	24 8	0s46	23 2	1 20	12 23	0 9	11 25	0 59	23 6	0 1	3 43	2 32	22 45	0 8	16 45	1 11	26 44	3 4	22 26	22 14	5 22		n.a.
W 9	23 15	25 41	1 56	22 35	1 12	11 56	0 15	11 39	0 58	23 7	0 1	3 44	2 32	22 46	0 8	16 45	1 11	26 44	3 4	22 25	22 13	5 19		n.a.
T 10	23 9	25 46	2 59	22 7	1 3	11 29	0 21	11 53	0 58	23 9	0 1	3 45	2 32	22 46	0 8	16 46	1 11	26 44	3 4	22 25	22 13	5 16		n.a.
F 11	23 3	24 28	3 51	21 37	0 53	11 2	0 28	12 6	0 57	23 10	0 1	3 45	2 33	22 47	0 8	16 46	1 11	26 45	3 4	22 24	22 12	5 13		n.a.
S 12	22 57	21 56	4 31	21 6	0 43	10 35	0 34	12 20	0 57	23 11	0 1	3 46	2 33	22 47	0 8	16 46	1 11	26 45	3 4	22 23	22 12	5 11		n.a.
S 13	22 50	18 27	4 57	20 34	0 32	10 8	0 40	12 34	0 56	23 13	0 1	3 46	2 33	22 47	0 8	16 47	1 11	26 45	3 4	22 22	22 11	5 8		n.a.
M14	22 42	14 15	5 9	20 0	0 20	9 40	0 47	12 47	0 56	23 14	0 0	3 47	2 33	22 48	0 8	16 47	1 11	26 45	3 4	22 22	22 11	5 5		n.a.
T 15	22 34	9 33	5 8	19 27	0 8	9 13	0 54	13 0	0 55	23 15	0 0	3 47	2 34	22 48	0 8	16 48	1 11	26 45	3 4	22 21	22 10	5 2		n.a.
W16	22 26	4 33	4 53	18 53	0n 6	8 45	1 0	13 14	0 54	23 17	0 0	3 48	2 34	22 49	0 8	16 48	1 11	26 46	3 5	22 20	22 10	4 59		n.a.
T 17	22 17	0n36	4 26	18 19	0 20	8 18	1 7	13 27	0 54	23 18	0 0	3 48	2 34	22 49	0 8	16 49	1 11	26 46	3 5	22 20	22 10	4 56		n.a.
F 18	22 8	5 45	3 47	17 45	0 34	7 50	1 14	13 40	0 53	23 19	0 0	3 48	2 34	22 49	0 8	16 49	1 11	26 46	3 5	22 20	22 9	4 53		n.a.
S 19	21 59	10 46	2 58	17 13	0 49	7 23	1 21	13 53	0 53	23 20	0s 0	3 49	2 35	22 50	0 8	16 50	1 11	26 46	3 5	22 20	22 9	4 50		n.a.
S 20	21 49	15 28	2 0	16 41	1 5	6 55	1 29	14 6	0 52	23 21	0 0	3 49	2 35	22 50	0 8	16 50	1 11	26 46	3 5	22 20	22 8	4 47		n.a.
M21	21 38	19 37	0 55	16 11	1 21	6 28	1 36	14 19	0 51	23 22	0 0	3 49	2 35	22 51	0 8	16 51	1 11	26 46	3 5	22 20	22 8	4 44		n.a.
T 22	21 27	22 57	0n15	15 44	1 37	6 1	1 43	14 31	0 51	23 24	0 0	3 49	2 35	22 51	0 8	16 51	1 11	26 47	3 5	22 20	22 7	4 41		n.a.
W23	21 16	25 9	1 25	15 18	1 53	5 33	1 51	14 44	0 50	23 25	0 1	3 49	2 36	22 51	0 8	16 52	1 11	26 47	3 5	22 20	22 7	4 38		n.a.
T 24	21 5	25 56	2 33	14 56	2 8	5 6	1 59	14 56	0 49	23 26	0 1	3 49	2 36	22 52	0 8	16 52	1 11	26 47	3 6	22 20	22 6	4 35		n.a.
F 25	20 53	25 4	3 33	14 36	2 24	4 39	2 6	15 9	0 49	23 27	0 1	3 49	2 36	22 52	0 8	16 53	1 11	26 47	3 6	22 19	22 6	4 32		n.a.
S 26	20 40	22 34	4 21	14 20	2 39	4 12	2 14	15 21	0 48	23 28	0 1	3 49	2 36	22 52	0 8	16 53	1 11	26 47	3 6	22 18	22 5	4 29		n.a.
S 27	20 28	18 34	4 53	14 7	2 53	3 45	2 22	15 33	0 47	23 29	0 1	3 49	2 37	22 53	0 8	16 54	1 11	26 48	3 6	22 17	22 5	4 26		n.a.
M28	20 14	13 26	5 6	13 58	3 6	3 19	2 30	15 46	0 47	23 30	0 1	3 49	2 37	22 53	0 8	16 54	1 11	26 48	3 6	22 16	22 4	4 23		n.a.
T 29	20 1	7 32	4 59	13 53	3 17	2 52	2 38	15 58	0 46	23 31	0 1	3 49	2 37	22 54	0 8	16 55	1 11	26 48	3 6	22 15	22 4	4 20		n.a.
W30	19 47	1 18	4 32	13 51	3 28	2 26	2 47	16 9	0 45	23 32	0 1	3 49	2 37	22 54	0 8	16 55	1 11	26 48	3 6	22 14	22 3	4 17		n.a.
T 31	19s33	4s56	3n49	13s53	3n36	2s 0	2n55	16s21	0n44	23s32	0s 1	3s49	2n38	22s54	0s 9	16n56	1n11	26s48	3s 7	22n13	22n 3	4s14		n.a.

Julian Day Number = 1466843.5, Delta T = 05h34m28s
Ecliptic obliquity = 23°46'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'59, Lahiri = -13°34'58 Julian Calendar 1 Jan. 697 BCE == Greg. Calendar 25 Dec. 698 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

FEBRUARY 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 12 6	4♒54'18	5♏30	11°R35	19♓ 4	17♏19	21♐55	15°R37	13♐41	17°R30	25♐28	9°D42	8♊30	0♈28	n.a.	F 1
S 2	8 16 2	5°54'15	19°18	10♒46	19°49	17°57	22° 7	15♎37	13°44	17♌29	25°30	9♊43	8°27	0°35	n.a.	S 2
S 3	8 19 59	6°54'09	2♐50	9°52	20°32	18°35	22°19	15°37	13°46	17°27	25°31	9°R44	8°23	0°41	n.a.	S 3
M 4	8 23 56	7°54'02	16° 9	8°55	21°15	19°13	22°31	15°37	13°49	17°26	25°33	9°44	8°20	0°48	n.a.	M 4
T 5	8 27 52	8°53'54	29°15	7°56	21°56	19°51	22°43	15°36	13°51	17°24	25°34	9°42	8°17	0°55	n.a.	T 5
W 6	8 31 49	9°53'43	12♑ 9	6°57	22°36	20°29	22°55	15°36	13°54	17°22	25°36	9°38	8°14	1° 2	n.a.	W 6
T 7	8 35 45	10°53'30	24°53	5°58	23°15	21° 7	23° 6	15°35	13°56	17°21	25°37	9°30	8°11	1° 8	n.a.	T 7
F 8	8 39 42	11°53'15	7♒26	5° 2	23°52	21°45	23°18	15°34	13°58	17°19	25°39	9°21	8° 8	1°15	n.a.	F 8
S 9	8 43 38	12°52'58	19°49	4° 9	24°29	22°22	23°29	15°33	14° 1	17°17	25°40	9° 9	8° 4	1°22	n.a.	S 9
S 10	8 47 35	13°52'39	2♓ 2	3°20	25° 4	23° 0	23°41	15°33	14° 3	17°16	25°42	8°57	8° 1	1°28	n.a.	S 10
M11	8 51 31	14°52'18	14° 6	2°36	25°37	23°38	23°52	15°32	14° 5	17°14	25°43	8°44	7°58	1°35	n.a.	M11
T 12	8 55 28	15°51'54	26° 3	1°57	26°10	24°16	24° 3	15°30	14° 7	17°12	25°45	8°34	7°55	1°42	n.a.	T 12
W13	8 59 25	16°51'28	7♈55	1°24	26°40	24°53	24°14	15°29	14° 9	17°11	25°46	8°25	7°52	1°49	n.a.	W13
T 14	9 3 21	17°50'59	19°44	0°57	27° 9	25°31	24°25	15°28	14°11	17° 9	25°47	8°18	7°48	1°55	n.a.	T 14
F 15	9 7 18	18°50'28	1♉36	0°36	27°37	26° 8	24°36	15°26	14°13	17° 7	25°49	8°15	7°45	2° 2	n.a.	F 15
S 16	9 11 14	19°49'55	13°35	0°21	28° 2	26°46	24°47	15°25	14°15	17° 6	25°50	8°13	7°42	2° 9	n.a.	S 16
S 17	9 15 11	20°49'20	25°45	0°12	28°26	27°23	24°58	15°23	14°17	17° 4	25°51	8°D13	7°39	2°15	n.a.	S 17
M18	9 19 7	21°48'41	8♊13	0°D 9	28°48	28° 1	25° 8	15°22	14°19	17° 2	25°52	8°R13	7°36	2°22	n.a.	M18
T 19	9 23 4	22°48'01	21° 3	0°12	29° 9	28°38	25°19	15°20	14°21	17° 1	25°54	8°13	7°33	2°29	n.a.	T 19
W20	9 27 0	23°47'18	4♋20	0°21	29°27	29°15	25°29	15°18	14°23	16°59	25°55	8°10	7°29	2°36	n.a.	W20
T 21	9 30 57	24°46'33	18° 5	0°35	29°43	29°52	25°40	15°16	14°24	16°57	25°56	8° 5	7°26	2°42	n.a.	T 21
F 22	9 34 53	25°45'45	2♌19	0°54	29°57	0♐30	25°50	15°14	14°26	16°56	25°57	7°58	7°23	2°49	n.a.	F 22
S 23	9 38 50	26°44'55	16°58	1°18	0♈10	1° 7	26° 0	15°12	14°28	16°54	25°58	7°48	7°20	2°56	n.a.	S 23
S 24	9 42 47	27°44'03	1♍55	1°47	0°19	1°44	26°10	15°10	14°29	16°53	25°59	7°37	7°17	3° 2	n.a.	S 24
M25	9 46 43	28°43'08	17° 1	2°19	0°27	2°21	26°20	15° 7	14°31	16°51	26° 0	7°26	7°13	3° 9	n.a.	M25
T 26	9 50 40	29°42'12	2♎ 5	2°57	0°32	2°58	26°30	15° 5	14°32	16°49	26° 1	7°16	7°10	3°16	n.a.	T 26
W27	9 54 36	0♓41'13	16°59	3°38	0°35	3°35	26°39	15° 3	14°34	16°48	26° 3	7° 9	7° 7	3°22	n.a.	W27
T 28	9 58 33	1°40'13	1♏36	4°22	0°R36	4°12	26°49	15° 0	14°35	16°46	26° 4	7° 4	7° 4	3°29	n.a.	T 28
F 29	10 2 29	2♓39'10	15♏50	5♒10	0♈34	4♐49	26♐58	14♎57	14♐37	16♌45	26♐ 5	7♊ 1	7♊ 1	3♈36	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s19	10s50	2n53	13s59	3n43	1s35	3n 3	16s33	0n44	23s33	0s 2	3s49	2n38	22s55	0s 9	16n56	1n11	26s49	3s 7	22n13	22n 2	4s11		n.a.
S 2	19 4	16 5	1 47	14 7	3 48	1 9	3 12	16 44	0 43	23 34	0 2	3 48	2 38	22 55	0 9	16 57	1 11	26 49	3 7	22 13	22 2	4 8		n.a.
S 3	18 49	20 25	0 37	14 19	3 51	0 44	3 20	16 56	0 42	23 35	0 2	3 48	2 38	22 55	0 9	16 57	1 11	26 49	3 7	22 14	22 1	4 5		n.a.
M 4	18 33	23 37	0s34	14 33	3 52	0 20	3 29	17 7	0 41	23 36	0 2	3 48	2 39	22 55	0 9	16 58	1 11	26 49	3 7	22 14	22 1	4 2		n.a.
T 5	18 17	25 29	1 42	14 50	3 51	0n 5	3 37	17 18	0 40	23 37	0 2	3 47	2 39	22 56	0 9	16 58	1 11	26 49	3 7	22 13	22 0	3 59		n.a.
W 6	18 1	25 56	2 44	15 8	3 48	0 29	3 46	17 29	0 39	23 37	0 2	3 47	2 39	22 56	0 9	16 59	1 11	26 50	3 7	22 13	21 59	3 56		n.a.
T 7	17 45	25 0	3 36	15 27	3 42	0 52	3 55	17 40	0 39	23 38	0 2	3 46	2 39	22 56	0 9	16 59	1 11	26 50	3 7	22 12	21 59	3 53		n.a.
F 8	17 28	22 49	4 17	15 48	3 35	1 15	4 4	17 51	0 38	23 39	0 2	3 46	2 40	22 57	0 9	17 0	1 11	26 50	3 8	22 10	21 58	3 50		n.a.
S 9	17 11	19 35	4 45	16 9	3 27	1 38	4 13	18 2	0 37	23 40	0 3	3 45	2 40	22 57	0 9	17 0	1 12	26 50	3 8	22 8	21 58	3 47		n.a.
S 10	16 54	15 33	5 0	16 30	3 17	2 0	4 22	18 13	0 36	23 40	0 3	3 45	2 40	22 57	0 9	17 1	1 12	26 50	3 8	22 6	21 57	3 44		n.a.
M11	16 36	10 57	5 1	16 51	3 6	2 22	4 31	18 23	0 35	23 41	0 3	3 44	2 40	22 58	0 9	17 1	1 12	26 51	3 8	22 4	21 57	3 41		n.a.
T 12	16 18	5 59	4 48	17 11	2 54	2 43	4 40	18 33	0 34	23 42	0 3	3 44	2 40	22 58	0 9	17 2	1 12	26 51	3 8	22 3	21 56	3 38		n.a.
W13	16 0	0 51	4 24	17 31	2 41	3 4	4 49	18 44	0 33	23 42	0 3	3 43	2 41	22 58	0 9	17 3	1 12	26 51	3 8	22 1	21 56	3 35		n.a.
T 14	15 42	4n19	3 47	17 50	2 27	3 24	4 58	18 54	0 32	23 43	0 3	3 42	2 41	22 58	0 9	17 3	1 12	26 51	3 9	22 0	21 55	3 32		n.a.
F 15	15 23	9 22	3 1	18 9	2 13	3 43	5 7	19 4	0 31	23 43	0 3	3 41	2 41	22 59	0 9	17 4	1 12	26 51	3 9	22 0	21 55	3 28		n.a.
S 16	15 5	14 7	2 7	18 26	1 59	4 1	5 16	19 14	0 30	23 44	0 3	3 41	2 41	22 59	0 9	17 4	1 12	26 52	3 9	21 59	21 54	3 25		n.a.
S 17	14 45	18 25	1 6	18 42	1 45	4 19	5 25	19 23	0 29	23 44	0 3	3 40	2 42	22 59	0 9	17 5	1 12	26 52	3 9	21 59	21 54	3 22		n.a.
M18	14 26	21 59	0 0	18 56	1 30	4 36	5 34	19 33	0 28	23 45	0 4	3 39	2 42	22 59	0 9	17 5	1 12	26 52	3 9	21 59	21 53	3 19		n.a.
T 19	14 7	24 36	1n 8	19 9	1 16	4 53	5 42	19 42	0 27	23 45	0 4	3 38	2 42	23 0	0 9	17 6	1 12	26 52	3 9	21 59	21 53	3 16		n.a.
W20	13 47	25 56	2 14	19 21	1 2	5 8	5 51	19 52	0 26	23 46	0 4	3 37	2 42	23 0	0 9	17 6	1 12	26 52	3 9	21 59	21 52	3 13		n.a.
T 21	13 27	25 45	3 14	19 32	0 48	5 22	6 0	20 1	0 25	23 46	0 4	3 36	2 42	23 0	0 9	17 7	1 12	26 53	3 10	21 58	21 52	3 10		n.a.
F 22	13 7	23 54	4 5	19 41	0 35	5 36	6 8	20 10	0 23	23 47	0 4	3 35	2 43	23 0	0 9	17 7	1 12	26 53	3 10	21 57	21 51	3 7		n.a.
S 23	12 46	20 26	4 41	19 48	0 22	5 49	6 17	20 19	0 22	23 47	0 4	3 34	2 43	23 0	0 9	17 8	1 12	26 53	3 10	21 55	21 51	3 4		n.a.
S 24	12 26	15 35	4 59	19 54	0 9	6 0	6 25	20 27	0 21	23 48	0 4	3 33	2 43	23 1	0 9	17 8	1 12	26 53	3 10	21 53	21 50	3 1		n.a.
M25	12 5	9 44	4 56	19 59	0s 4	6 11	6 33	20 36	0 20	23 48	0 5	3 32	2 43	23 1	0 9	17 9	1 12	26 53	3 10	21 52	21 50	2 58		n.a.
T 26	11 44	3 19	4 33	20 2	0 15	6 20	6 41	20 45	0 19	23 49	0 5	3 31	2 43	23 1	0 9	17 9	1 12	26 54	3 10	21 50	21 49	2 55		n.a.
W27	11 23	3s13	3 51	20 3	0 27	6 28	6 49	20 53	0 18	23 49	0 5	3 30	2 44	23 1	0 9	17 10	1 12	26 54	3 11	21 49	21 48	2 52		n.a.
T 28	11 2	9 28	2 55	20 3	0 38	6 35	6 56	21 1	0 16	23 49	0 5	3 29	2 44	23 1	0 9	17 10	1 12	26 54	3 11	21 48	21 48	2 49		n.a.
F 29	10s40	15s 4	1n49	20s 2	0s48	6n41	7n 3	21s 9	0n15	23s50	0s 5	3s27	2n44	23s 2	0s 9	17n11	1n12	26s54	3s11	21n48	21n47	2s46		n.a.

Julian Day Number = 1466874.5, Delta T = 05h34m27s
Ecliptic obliquity = 23°46'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'55, Lahiri = -13°34'54 Julian Calendar 1 Feb. 697 BCE == Greg. Calendar 25 Jan. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

MARCH 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 6 26	3♓38'06	29♏41	6♒ 2	0°R30	5♐25	27♐ 8	14°R55	14♐38	16°R43	26♐ 5	7°R 1	6♊58	3♈43	n.a.	S 1
S 2	10 10 22	4°37'00	13♐10	6°56	0♈23	6° 2	27°17	14♎52	14°39	16♌41	26° 6	7♊ 1	6°54	3°49	n.a.	S 2
M 3	10 14 19	5°35'52	26°19	7°54	0°14	6°39	27°26	14°49	14°41	16°40	26° 7	7° 0	6°51	3°56	n.a.	M 3
T 4	10 18 16	6°34'43	9♑11	8°54	0° 2	7°15	27°35	14°46	14°42	16°38	26° 8	6°57	6°48	4° 3	n.a.	T 4
W 5	10 22 12	7°33'31	21°50	9°58	29♓48	7°52	27°44	14°43	14°43	16°37	26° 9	6°52	6°45	4° 9	n.a.	W 5
T 6	10 26 9	8°32'18	4♒17	11° 3	29°31	8°28	27°52	14°40	14°44	16°35	26°10	6°44	6°42	4°16	n.a.	T 6
F 7	10 30 5	9°31'02	16°35	12°11	29°13	9° 4	28° 1	14°37	14°45	16°34	26°11	6°33	6°39	4°23	n.a.	F 7
S 8	10 34 2	10°29'45	28°45	13°22	28°51	9°41	28° 9	14°34	14°46	16°32	26°11	6°19	6°35	4°30	n.a.	S 8
S 9	10 37 58	11°28'25	10♓48	14°35	28°28	10°17	28°18	14°30	14°47	16°31	26°12	6° 5	6°32	4°36	n.a.	S 9
M10	10 41 55	12°27'04	22°45	15°49	28° 2	10°53	28°26	14°27	14°48	16°29	26°13	5°51	6°29	4°43	n.a.	M10
T 11	10 45 51	13°25'40	4♈38	17° 7	27°34	11°29	28°34	14°23	14°49	16°28	26°14	5°38	6°26	4°50	n.a.	T 11
W12	10 49 48	14°24'14	16°28	18°26	27° 5	12° 5	28°42	14°20	14°49	16°26	26°14	5°28	6°23	4°56	n.a.	W12
T 13	10 53 44	15°22'46	28°17	19°47	26°33	12°40	28°50	14°16	14°50	16°25	26°15	5°20	6°19	5° 3	n.a.	T 13
F 14	10 57 41	16°21'16	10♉ 9	21°10	26° 0	13°16	28°57	14°13	14°51	16°24	26°16	5°15	6°16	5°10	n.a.	F 14
S 15	11 1 38	17°19'43	22° 8	22°35	25°26	13°52	29° 5	14° 9	14°51	16°22	26°16	5°13	6°13	5°17	n.a.	S 15
S 16	11 5 34	18°18'09	4♊17	24° 1	24°50	14°27	29°12	14° 5	14°52	16°21	26°17	5°D12	6°10	5°23	n.a.	S 16
M17	11 9 31	19°16'32	16°42	25°30	24°14	15° 3	29°19	14° 2	14°53	16°19	26°17	5°R12	6° 7	5°30	n.a.	M17
T 18	11 13 27	20°14'53	29°28	27° 1	23°36	15°38	29°26	13°58	14°53	16°18	26°18	5°12	6° 4	5°37	n.a.	T 18
W19	11 17 24	21°13'11	12♋39	28°33	22°58	16°13	29°33	13°54	14°53	16°17	26°18	5°10	6° 0	5°43	n.a.	W19
T 20	11 21 20	22°11'28	26°20	0♓ 7	22°20	16°48	29°40	13°50	14°54	16°16	26°19	5° 6	5°57	5°50	n.a.	T 20
F 21	11 25 17	23° 9'42	10♌30	1°43	21°42	17°23	29°47	13°46	14°54	16°14	26°19	5° 0	5°54	5°57	n.a.	F 21
S 22	11 29 13	24° 7'54	25° 9	3°20	21° 4	17°58	29°53	13°42	14°54	16°13	26°19	4°51	5°51	6° 3	n.a.	S 22
S 23	11 33 10	25° 6'04	10♍10	5° 0	20°27	18°33	29°59	13°38	14°55	16°12	26°20	4°42	5°48	6°10	n.a.	S 23
M24	11 37 7	26° 4'12	25°26	6°41	19°50	19° 8	0♑ 6	13°34	14°55	16°11	26°20	4°32	5°45	6°17	n.a.	M24
T 25	11 41 3	27° 2'18	10♎44	8°24	19°14	19°42	0°12	13°30	14°55	16° 9	26°20	4°23	5°41	6°24	n.a.	T 25
W26	11 45 0	28° 0'23	25°54	10° 8	18°40	20°17	0°17	13°25	14°55	16° 8	26°21	4°16	5°38	6°30	n.a.	W26
T 27	11 48 56	28°58'25	10♏46	11°55	18° 7	20°51	0°23	13°21	14°R55	16° 7	26°21	4°11	5°35	6°37	n.a.	T 27
F 28	11 52 53	29°56'27	25°14	13°43	17°35	21°25	0°29	13°17	14°55	16° 6	26°21	4° 9	5°32	6°44	n.a.	F 28
S 29	11 56 49	0♈54'26	9♐16	15°33	17° 5	21°59	0°34	13°13	14°55	16° 5	26°21	4°D 9	5°29	6°50	n.a.	S 29
S 30	12 0 46	1°52'25	22°51	17°25	16°37	22°33	0°39	13° 8	14°55	16° 4	26°22	4°10	5°25	6°57	n.a.	S 30
M31	12 4 42	2♈50'22	6♑ 2	19♓19	16♓11	23♐ 7	0♑44	13♎ 4	14♐55	16♌ 3	26♐22	4°R10	5♊22	7♈ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s19	19s44	0n39	19s58	0s58	6n45	7n10	21s17	0n14	23s50	0s 5	3s26	2n44	23s 2	0s 9	17n11	1n12	26s54	3s11	21n47	21n47	2s43		n.a.
S 2	9 57	23 14	0s32	19 54	1 8	6 48	7 16	21 25	0 12	23 50	0 5	3 25	2 44	23 2	0 9	17 12	1 12	26 55	3 11	21 47	21 46	2 40		n.a.
M 3	9 35	25 24	1 40	19 47	1 17	6 50	7 22	21 33	0 11	23 51	0 5	3 24	2 45	23 2	0 9	17 12	1 12	26 55	3 11	21 47	21 46	2 37		n.a.
T 4	9 13	26 8	2 41	19 39	1 25	6 50	7 27	21 40	0 10	23 51	0 6	3 22	2 45	23 2	0 9	17 13	1 12	26 55	3 12	21 47	21 45	2 34		n.a.
W 5	8 51	25 29	3 33	19 30	1 33	6 49	7 32	21 48	0 8	23 51	0 6	3 21	2 45	23 2	0 9	17 13	1 12	26 55	3 12	21 46	21 45	2 31		n.a.
T 6	8 29	23 34	4 14	19 19	1 40	6 46	7 37	21 55	0 7	23 52	0 6	3 20	2 45	23 3	0 9	17 14	1 12	26 55	3 12	21 44	21 44	2 27		n.a.
F 7	8 7	20 33	4 42	19 6	1 47	6 42	7 40	22 2	0 6	23 52	0 6	3 18	2 45	23 3	0 9	17 14	1 12	26 56	3 12	21 43	21 44	2 24		n.a.
S 8	7 44	16 42	4 57	18 51	1 54	6 36	7 44	22 9	0 4	23 52	0 6	3 17	2 45	23 3	0 9	17 14	1 12	26 56	3 12	21 40	21 43	2 21		n.a.
S 9	7 22	12 13	4 58	18 35	1 59	6 29	7 46	22 16	0 3	23 52	0 6	3 15	2 46	23 3	0 9	17 15	1 12	26 56	3 12	21 38	21 43	2 18		n.a.
M10	6 59	7 18	4 47	18 18	2 5	6 21	7 48	22 23	0 1	23 53	0 6	3 14	2 46	23 3	0 9	17 15	1 12	26 56	3 13	21 35	21 42	2 15		n.a.
T 11	6 36	2 9	4 23	17 59	2 9	6 10	7 49	22 29	0s 0	23 53	0 7	3 13	2 46	23 3	0 9	17 16	1 12	26 56	3 13	21 33	21 41	2 12		n.a.
W12	6 13	3n 4	3 47	17 38	2 14	5 59	7 49	22 36	0 2	23 53	0 7	3 11	2 46	23 3	0 9	17 16	1 12	26 56	3 13	21 31	21 41	2 9		n.a.
T 13	5 51	8 11	3 2	17 16	2 17	5 46	7 49	22 42	0 3	23 53	0 7	3 10	2 46	23 3	0 9	17 17	1 12	26 57	3 13	21 30	21 40	2 6		n.a.
F 14	5 28	13 2	2 8	16 52	2 20	5 31	7 47	22 48	0 5	23 54	0 7	3 8	2 46	23 3	0 9	17 17	1 12	26 57	3 13	21 29	21 40	2 3		n.a.
S 15	5 4	17 27	1 9	16 26	2 23	5 16	7 45	22 54	0 7	23 54	0 7	3 6	2 46	23 4	0 9	17 17	1 12	26 57	3 14	21 28	21 39	2 0		n.a.
S 16	4 41	21 13	0 5	15 59	2 25	4 59	7 42	23 0	0 8	23 54	0 7	3 5	2 46	23 4	0 9	17 18	1 12	26 57	3 14	21 28	21 39	1 57		n.a.
M17	4 18	24 7	1n 1	15 30	2 27	4 40	7 38	23 6	0 10	23 54	0 7	3 3	2 47	23 4	0 9	17 18	1 12	26 57	3 14	21 28	21 38	1 54		n.a.
T 18	3 55	25 52	2 5	15 0	2 28	4 21	7 34	23 11	0 12	23 54	0 8	3 2	2 47	23 4	0 9	17 19	1 12	26 58	3 14	21 28	21 38	1 51		n.a.
W19	3 32	26 14	3 5	14 27	2 28	4 1	7 28	23 17	0 13	23 55	0 8	3 0	2 47	23 4	0 9	17 19	1 12	26 58	3 14	21 28	21 37	1 47		n.a.
T 20	3 8	25 3	3 56	13 54	2 28	3 40	7 22	23 22	0 15	23 55	0 8	2 58	2 47	23 4	0 9	17 19	1 12	26 58	3 14	21 27	21 36	1 44		n.a.
F 21	2 45	22 16	4 35	13 19	2 28	3 18	7 14	23 27	0 17	23 55	0 8	2 57	2 47	23 4	0 9	17 20	1 12	26 58	3 15	21 26	21 36	1 41		n.a.
S 22	2 22	17 59	4 58	12 42	2 27	2 55	7 6	23 32	0 19	23 55	0 8	2 55	2 47	23 4	0 9	17 20	1 11	26 58	3 15	21 25	21 35	1 38		n.a.
S 23	1 58	12 29	5 1	12 3	2 25	2 33	6 57	23 37	0 20	23 55	0 8	2 53	2 47	23 4	0 9	17 21	1 11	26 59	3 15	21 23	21 35	1 35		n.a.
M24	1 35	6 9	4 43	11 23	2 23	2 9	6 48	23 42	0 22	23 55	0 9	2 52	2 47	23 4	0 9	17 21	1 11	26 59	3 15	21 21	21 34	1 32		n.a.
T 25	1 12	0s34	4 4	10 42	2 20	1 46	6 38	23 47	0 24	23 55	0 9	2 50	2 47	23 4	0 9	17 21	1 11	26 59	3 15	21 19	21 34	1 29		n.a.
W26	0 48	7 13	3 9	9 58	2 17	1 22	6 27	23 51	0 26	23 56	0 9	2 48	2 47	23 4	0 9	17 22	1 11	26 59	3 16	21 18	21 33	1 26		n.a.
T 27	0 25	13 21	2 1	9 14	2 13	0 59	6 15	23 55	0 28	23 56	0 9	2 47	2 47	23 4	0 9	17 22	1 11	26 59	3 16	21 17	21 32	1 23		n.a.
F 28	0 1	18 35	0 47	8 28	2 8	0 36	6 4	24 0	0 30	23 56	0 9	2 45	2 47	23 4	0 9	17 22	1 11	27 0	3 16	21 17	21 32	1 20		n.a.
S 29	0n22	22 36	0s27	7 40	2 3	0 13	5 51	24 4	0 32	23 56	0 9	2 43	2 48	23 4	0 9	17 22	1 11	27 0	3 16	21 17	21 31	1 17		n.a.
S 30	0 45	25 13	1 38	6 51	1 58	0s10	5 39	24 8	0 34	23 56	0 9	2 42	2 48	23 4	0 9	17 23	1 11	27 0	3 16	21 17	21 31	1 13		n.a.
M31	1n 9	26s20	2s41	6s 0	1s52	0s32	5n26	24s12	0s36	23s56	0s10	2s40	2n48	23s 4	0s 9	17n23	1n11	27s 0	3s16	21n17	21n30	1s10		n.a.

Julian Day Number = 1466903.5, Delta T = 05h34m25s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'51, Lahiri = -13°34'50 Julian Calendar 1 March 697 BCE == Greg. Calendar 23 Feb. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

APRIL 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 8 39	3♈48'17	18♉52	21♓14	15°R48	23♐40	0♉49	13°R 0	14°R54	16°R 2	26♐22	4°R 9	5♊19	7♈10	n.a.	T 1
W 2	12 12 35	4°46'12	1♒24	23°11	15♓26	24°14	0°54	12♎55	14♐54	16♎ 1	26°22	4♊ 6	5°16	7°17	n.a.	W 2
T 3	12 16 32	5°44'04	13°42	25°10	15° 7	24°47	0°58	12°51	14°54	16° 0	26°22	4° 0	5°13	7°24	n.a.	T 3
F 4	12 20 29	6°41'55	25°51	27°11	14°50	25°20	1° 3	12°47	14°53	15°59	26°R22	3°52	5°10	7°31	n.a.	F 4
S 5	12 24 25	7°39'45	7♓51	29°13	14°36	25°53	1° 7	12°42	14°53	15°58	26°22	3°42	5° 6	7°37	n.a.	S 5
S 6	12 28 22	8°37'33	19°47	1♈17	14°24	26°26	1°11	12°38	14°53	15°57	26°22	3°32	5° 3	7°44	n.a.	S 6
M 7	12 32 18	9°35'20	1♈39	3°22	14°15	26°58	1°15	12°33	14°52	15°56	26°22	3°22	5° 0	7°51	n.a.	M 7
T 8	12 36 15	10°33'05	13°29	5°29	14° 8	27°31	1°18	12°29	14°51	15°56	26°22	3°12	4°57	7°57	n.a.	T 8
W 9	12 40 11	11°30'49	25°20	7°36	14° 3	28° 3	1°22	12°24	14°51	15°55	26°22	3° 4	4°54	8° 4	n.a.	W 9
T 10	12 44 8	12°28'31	7♉12	9°45	14°D 1	28°35	1°25	12°20	14°50	15°54	26°21	2°59	4°50	8°11	n.a.	T 10
F 11	12 48 4	13°26'12	19° 8	11°55	14° 1	29° 7	1°28	12°16	14°49	15°53	26°21	2°56	4°47	8°17	n.a.	F 11
S 12	12 52 1	14°23'51	1♊11	14° 6	14° 3	29°39	1°31	12°11	14°49	15°53	26°21	2°D55	4°44	8°24	n.a.	S 12
S 13	12 55 58	15°21'29	13°25	16°17	14° 8	0♉10	1°34	12° 7	14°48	15°52	26°21	2°55	4°41	8°31	n.a.	S 13
M14	12 59 54	16°19'05	25°52	18°28	14°15	0°41	1°36	12° 2	14°47	15°51	26°21	2°56	4°38	8°38	n.a.	M14
T 15	13 3 51	17°16'39	8♋38	20°39	14°24	1°12	1°39	11°58	14°46	15°51	26°20	2°57	4°35	8°44	n.a.	T 15
W16	13 7 47	18°14'12	21°47	22°49	14°35	1°43	1°41	11°53	14°45	15°50	26°20	2°R58	4°31	8°51	n.a.	W16
T 17	13 11 44	19°11'43	5♌21	24°59	14°48	2°14	1°43	11°49	14°44	15°50	26°20	2°56	4°28	8°58	n.a.	T 17
F 18	13 15 40	20° 9'13	19°22	27° 8	15° 3	2°44	1°45	11°45	14°43	15°49	26°19	2°54	4°25	9° 4	n.a.	F 18
S 19	13 19 37	21° 6'41	3♍50	29°16	15°20	3°14	1°47	11°40	14°42	15°49	26°19	2°49	4°22	9°11	n.a.	S 19
S 20	13 23 33	22° 4'07	18°41	1♎22	15°39	3°44	1°48	11°36	14°41	15°48	26°19	2°43	4°19	9°18	n.a.	S 20
M21	13 27 30	23° 1'32	3♎48	3°27	16° 0	4°13	1°49	11°32	14°40	15°48	26°18	2°38	4°16	9°24	n.a.	M21
T 22	13 31 27	23°58'56	19° 3	5°30	16°23	4°43	1°50	11°27	14°39	15°47	26°18	2°32	4°12	9°31	n.a.	T 22
W23	13 35 23	24°56'19	4♏14	7°31	16°47	5°12	1°51	11°23	14°37	15°47	26°17	2°29	4° 9	9°38	n.a.	W23
T 24	13 39 20	25°53'41	19°12	9°29	17°13	5°41	1°52	11°19	14°36	15°47	26°17	2°26	4° 6	9°45	n.a.	T 24
F 25	13 43 16	26°51'02	3♐49	11°26	17°40	6° 9	1°53	11°15	14°35	15°46	26°16	2°D26	4° 3	9°51	n.a.	F 25
S 26	13 47 13	27°48'22	18° 1	13°19	18° 9	6°38	1°53	11°10	14°33	15°46	26°15	2°26	4° 0	9°58	n.a.	S 26
S 27	13 51 9	28°45'41	1♑45	15°11	18°40	7° 6	1°R53	11° 6	14°32	15°46	26°15	2°28	3°56	10° 5	n.a.	S 27
M28	13 55 6	29°43'00	15° 2	17° 0	19°12	7°33	1°53	11° 2	14°31	15°46	26°14	2°29	3°53	10°11	n.a.	M28
T 29	13 59 2	0♒40'18	27°56	18°46	19°45	8° 1	1°53	10°58	14°29	15°45	26°14	2°R30	3°50	10°18	n.a.	T 29
W30	14 2 59	1♒37'35	10♒29	20♒29	20♓20	8♑28	1♑52	10♎54	14♐28	15♎45	26♐13	2♊30	3♊47	10♈25	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n32	25s59	3s35	5s 8	1s45	0s53	5n12	24s16	0s38	23s56	0s10	2s38	2n48	23s 4	0s10	17n23	1n11	27s 0	3s17	21n17	21n30	1s 7		n.a.
W 2	1 55	24 18	4 17	4 15	1 38	1 14	4 59	24 19	0 40	23 57	0 10	2 36	2 48	23 4	0 10	17 24	1 11	27 0	3 17	21 16	21 29	1 4		n.a.
T 3	2 19	21 30	4 46	3 20	1 31	1 34	4 45	24 23	0 42	23 57	0 10	2 35	2 48	23 4	0 10	17 24	1 11	27 1	3 17	21 15	21 28	1 1		n.a.
F 4	2 42	17 48	5 2	2 24	1 23	1 53	4 32	24 26	0 45	23 57	0 10	2 33	2 48	23 4	0 10	17 24	1 11	27 1	3 17	21 13	21 28	0 58		n.a.
S 5	3 5	13 25	5 4	1 27	1 14	2 11	4 18	24 30	0 47	23 57	0 10	2 31	2 48	23 4	0 10	17 24	1 11	27 1	3 17	21 12	21 27	0 55		n.a.
S 6	3 28	8 34	4 53	0 29	1 6	2 28	4 4	24 33	0 49	23 57	0 11	2 29	2 48	23 4	0 10	17 25	1 11	27 1	3 17	21 10	21 27	0 52		n.a.
M 7	3 51	3 26	4 29	0n30	0 56	2 45	3 51	24 36	0 51	23 57	0 11	2 28	2 48	23 4	0 10	17 25	1 11	27 1	3 18	21 8	21 26	0 49		n.a.
T 8	4 14	1n49	3 53	1 30	0 47	3 0	3 37	24 39	0 54	23 57	0 11	2 26	2 48	23 4	0 10	17 25	1 11	27 2	3 18	21 6	21 26	0 46		n.a.
W 9	4 37	7 1	3 8	2 30	0 37	3 14	3 24	24 42	0 56	23 58	0 11	2 24	2 48	23 4	0 10	17 25	1 11	27 2	3 18	21 4	21 25	0 42		n.a.
T 10	5 0	12 0	2 14	3 31	0 27	3 27	3 10	24 45	0 58	23 58	0 11	2 22	2 48	23 4	0 10	17 26	1 11	27 2	3 18	21 3	21 24	0 39		n.a.
F 11	5 23	16 35	1 14	4 32	0 16	3 39	2 57	24 47	1 1	23 58	0 12	2 21	2 48	23 4	0 10	17 26	1 11	27 2	3 18	21 3	21 24	0 36		n.a.
S 12	5 45	20 32	0 9	5 33	0 6	3 50	2 44	24 50	1 3	23 58	0 12	2 19	2 48	23 4	0 10	17 26	1 11	27 2	3 19	21 2	21 23	0 33		n.a.
S 13	6 8	23 40	0n56	6 34	0n 5	4 0	2 32	24 53	1 6	23 58	0 12	2 17	2 48	23 4	0 10	17 26	1 11	27 2	3 19	21 2	21 23	0 30		n.a.
M14	6 30	25 44	2 1	7 34	0 15	4 9	2 19	24 55	1 8	23 58	0 12	2 15	2 48	23 4	0 10	17 26	1 11	27 3	3 19	21 3	21 22	0 27		n.a.
T 15	6 53	26 30	3 1	8 34	0 26	4 17	2 7	24 57	1 11	23 58	0 12	2 14	2 48	23 3	0 10	17 26	1 11	27 3	3 19	21 3	21 21	0 24		n.a.
W16	7 15	25 50	3 53	9 33	0 36	4 24	1 55	25 0	1 13	23 59	0 12	2 12	2 48	23 3	0 10	17 27	1 11	27 3	3 19	21 3	21 21	0 21		n.a.
T 17	7 37	23 38	4 35	10 31	0 46	4 29	1 43	25 2	1 16	23 59	0 13	2 10	2 48	23 3	0 10	17 27	1 11	27 3	3 19	21 3	21 20	0 18		n.a.
F 18	7 59	19 59	5 1	11 28	0 56	4 34	1 31	25 4	1 19	23 59	0 13	2 9	2 47	23 3	0 10	17 27	1 11	27 3	3 20	21 2	21 20	0 14		n.a.
S 19	8 21	15 2	5 9	12 24	1 6	4 38	1 20	25 6	1 22	23 59	0 13	2 7	2 47	23 3	0 10	17 27	1 11	27 3	3 20	21 1	21 19	0 11		n.a.
S 20	8 43	9 5	4 58	13 17	1 15	4 41	1 9	25 8	1 24	23 59	0 13	2 5	2 47	23 3	0 10	17 27	1 11	27 4	3 20	21 0	21 18	0 8		n.a.
M21	9 4	2 31	4 25	14 9	1 24	4 42	0 58	25 10	1 27	23 59	0 13	2 4	2 47	23 3	0 10	17 27	1 11	27 4	3 20	20 59	21 18	0 5		n.a.
T 22	9 26	4s16	3 34	14 59	1 32	4 43	0 48	25 12	1 30	24 0	0 13	2 2	2 47	23 3	0 10	17 27	1 11	27 4	3 20	20 58	21 17	0 2		n.a.
W23	9 47	10 48	2 27	15 46	1 39	4 43	0 38	25 13	1 33	24 0	0 14	2 0	2 47	23 3	0 10	17 27	1 11	27 4	3 20	20 57	21 17	0n 1		n.a.
T 24	10 9	16 38	1 11	16 32	1 46	4 42	0 28	25 15	1 36	24 0	0 14	1 59	2 47	23 2	0 10	17 28	1 11	27 4	3 21	20 57	21 16	0 4		n.a.
F 25	10 30	21 20	0s 8	17 15	1 52	4 39	0 18	25 17	1 39	24 0	0 14	1 57	2 47	23 2	0 10	17 28	1 11	27 4	3 21	20 57	21 15	0 7		n.a.
S 26	10 51	24 38	1 24	17 56	1 58	4 37	0 9	25 18	1 42	24 0	0 14	1 56	2 47	23 2	0 10	17 28	1 11	27 4	3 21	20 57	21 15	0 11		n.a.
S 27	11 11	26 19	2 33	18 34	2 3	4 33	0 0	25 20	1 45	24 0	0 14	1 54	2 47	23 2	0 10	17 28	1 11	27 5	3 21	20 57	21 14	0 14		n.a.
M28	11 32	26 25	3 32	19 11	2 7	4 28	0s 9	25 21	1 48	24 1	0 15	1 53	2 47	23 2	0 10	17 28	1 11	27 5	3 21	20 57	21 14	0 17		n.a.
T 29	11 52	25 4	4 18	19 44	2 10	4 23	0 17	25 23	1 51	24 1	0 15	1 51	2 46	23 2	0 10	17 28	1 11	27 5	3 21	20 57	21 13	0 20		n.a.
W30	12n12	22s30	4s50	20n16	2n13	4s16	0s25	25s24	1s54	24s 1	0s15	1s50	2n46	23s 2	0s10	17n28	1n11	27s 5	3s22	20n57	21n12	0n23		n.a.

Julian Day Number = 1466934.5, Delta T = 05h34m24s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'46, Lahiri = -13°34'46 Julian Calendar 1 Apr. 697 BCE == Greg. Calendar 25 March 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

MAY 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 6 56	2♉34'52	22♒46	22♉10	20♓55	8♏54	1°R52	10°R50	14°R26	15°R45	26°R12	2°R28	3♊44	10♈31	n.a.	T 1
F 2	14 10 52	3°32'08	4♓51	23°48	21°32	9°21	1♏51	10♎46	14♐24	15♑45	26♐12	2♊25	3°41	10°38	n.a.	F 2
S 3	14 14 49	4°29'23	16°47	25°23	22°11	9°47	1°50	10°42	14°23	15°45	26°11	2°21	3°37	10°45	n.a.	S 3
S 4	14 18 45	5°26'38	28°39	26°56	22°50	10°13	1°49	10°38	14°21	15°D45	26°10	2°17	3°34	10°52	n.a.	S 4
M 5	14 22 42	6°23'52	10♈29	28°25	23°30	10°38	1°47	10°35	14°19	15°45	26° 9	2°12	3°31	10°58	n.a.	M 5
T 6	14 26 38	7°21'06	22°20	29°52	24°12	11° 3	1°46	10°31	14°18	15°45	26° 8	2° 8	3°28	11° 5	n.a.	T 6
W 7	14 30 35	8°18'19	4♉14	1♊16	24°54	11°27	1°44	10°27	14°16	15°45	26° 8	2° 5	3°25	11°12	n.a.	W 7
T 8	14 34 31	9°15'31	16°12	2°37	25°37	11°51	1°42	10°24	14°14	15°45	26° 7	2° 3	3°22	11°18	n.a.	T 8
F 9	14 38 28	10°12'43	28°18	3°55	26°22	12°15	1°40	10°20	14°12	15°45	26° 6	2°D 2	3°18	11°25	n.a.	F 9
S 10	14 42 25	11° 9'54	10♊32	5°10	27° 7	12°38	1°38	10°16	14°10	15°45	26° 5	2° 2	3°15	11°32	n.a.	S 10
S 11	14 46 21	12° 7'04	22°57	6°22	27°53	13° 1	1°35	10°13	14° 8	15°46	26° 4	2° 3	3°12	11°38	n.a.	S 11
M12	14 50 18	13° 4'14	5♋35	7°31	28°39	13°24	1°33	10°10	14° 7	15°46	26° 3	2° 5	3° 9	11°45	n.a.	M12
T 13	14 54 14	14° 1'23	18°29	8°37	29°27	13°46	1°30	10° 6	14° 5	15°46	26° 2	2° 6	3° 6	11°52	n.a.	T 13
W14	14 58 11	14°58'32	1♌41	9°40	0♈15	14° 7	1°27	10° 3	14° 3	15°46	26° 1	2° 7	3° 2	11°58	n.a.	W14
T 15	15 2 7	15°55'39	15°14	10°39	1° 4	14°28	1°23	10° 0	14° 1	15°47	26° 0	2°R 7	2°59	12° 5	n.a.	T 15
F 16	15 6 4	16°52'46	29° 8	11°35	1°54	14°49	1°20	9°57	13°59	15°47	25°59	2° 7	2°56	12°12	n.a.	F 16
S 17	15 10 0	17°49'52	13♍23	12°27	2°44	15° 9	1°17	9°54	13°56	15°48	25°58	2° 6	2°53	12°19	n.a.	S 17
S 18	15 13 57	18°46'58	27°57	13°16	3°35	15°29	1°13	9°51	13°54	15°48	25°57	2° 5	2°50	12°25	n.a.	S 18
M19	15 17 54	19°44'03	12♎45	14° 1	4°27	15°48	1° 9	9°48	13°52	15°48	25°56	2° 3	2°47	12°32	n.a.	M19
T 20	15 21 50	20°41'08	27°41	14°42	5°19	16° 6	1° 5	9°45	13°50	15°49	25°55	2° 2	2°43	12°39	n.a.	T 20
W21	15 25 47	21°38'12	12♏38	15°19	6°12	16°24	1° 1	9°42	13°48	15°49	25°54	2° 1	2°40	12°45	n.a.	W21
T 22	15 29 43	22°35'16	27°27	15°52	7° 5	16°42	0°56	9°40	13°46	15°50	25°53	2°D 1	2°37	12°52	n.a.	T 22
F 23	15 33 40	23°32'20	12♐ 0	16°21	7°59	16°59	0°52	9°37	13°44	15°51	25°52	2° 1	2°34	12°59	n.a.	F 23
S 24	15 37 36	24°29'24	26°13	16°46	8°53	17°15	0°47	9°34	13°41	15°51	25°51	2° 1	2°31	13° 5	n.a.	S 24
S 25	15 41 33	25°26'28	10♑ 1	17° 6	9°48	17°31	0°42	9°32	13°39	15°52	25°49	2° 2	2°27	13°12	n.a.	S 25
M26	15 45 30	26°23'32	23°24	17°22	10°44	17°47	0°37	9°30	13°37	15°53	25°48	2° 2	2°24	13°19	n.a.	M26
T 27	15 49 26	27°20'37	6♒22	17°33	11°40	18° 1	0°32	9°27	13°35	15°53	25°47	2° 3	2°21	13°25	n.a.	T 27
W28	15 53 23	28°17'42	18°59	17°40	12°36	18°15	0°26	9°25	13°32	15°54	25°46	2° 3	2°18	13°32	n.a.	W28
T 29	15 57 19	29°14'47	1♓18	17°R42	13°33	18°29	0°21	9°23	13°30	15°55	25°45	2°R 3	2°15	13°39	n.a.	T 29
F 30	16 1 16	0♊11'52	13°24	17°39	14°30	18°41	0°15	9°21	13°28	15°56	25°43	2° 3	2°12	13°46	n.a.	F 30
S 31	16 5 12	1♊ 8'58	25♓20	17♊32	15♈28	18♏53	0♏10	9♎19	13♐25	15♑56	25♐42	2♊ 3	2♊ 8	13♈52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12n32	18s58	5s 8	20n45	2n15	4s 9	0s33	25s26	1s57	24s 1	0s15	1s48	2n46	23s 1	0s10	17n28	1n11	27s 5	3s22	20n57	21n12	0n26		n.a.
F 2	12 52	14 42	5 12	21 11	2 16	4 2	0 41	25 27	2 1	24 1	0 15	1 47	2 46	23 1	0 10	17 28	1 11	27 5	3 22	20 56	21 11	0 29		n.a.
S 3	13 12	9 55	5 3	21 36	2 17	3 53	0 48	25 28	2 4	24 2	0 16	1 45	2 46	23 1	0 10	17 28	1 11	27 6	3 22	20 56	21 11	0 33		n.a.
S 4	13 31	4 49	4 40	21 58	2 17	3 44	0 55	25 30	2 7	24 2	0 16	1 44	2 46	23 1	0 10	17 28	1 10	27 6	3 22	20 55	21 10	0 36		n.a.
M 5	13 51	0n27	4 6	22 18	2 16	3 34	1 2	25 31	2 11	24 2	0 16	1 43	2 46	23 1	0 10	17 28	1 10	27 6	3 22	20 54	21 9	0 39		n.a.
T 6	14 10	5 43	3 21	22 35	2 14	3 23	1 9	25 32	2 14	24 2	0 16	1 41	2 46	23 0	0 10	17 28	1 10	27 6	3 23	20 53	21 9	0 42		n.a.
W 7	14 28	10 48	2 27	22 51	2 11	3 12	1 15	25 34	2 18	24 2	0 16	1 40	2 45	23 0	0 10	17 28	1 10	27 6	3 23	20 52	21 8	0 45		n.a.
T 8	14 47	15 33	1 26	23 4	2 8	3 0	1 21	25 35	2 21	24 3	0 17	1 39	2 45	23 0	0 10	17 28	1 10	27 6	3 23	20 52	21 8	0 48		n.a.
F 9	15 5	19 44	0 21	23 16	2 4	2 48	1 27	25 36	2 25	24 3	0 17	1 37	2 45	23 0	0 10	17 28	1 10	27 6	3 23	20 52	21 7	0 51		n.a.
S 10	15 23	23 7	0n47	23 26	2 0	2 35	1 33	25 38	2 28	24 3	0 17	1 36	2 45	23 0	0 10	17 27	1 10	27 6	3 23	20 52	21 6	0 55		n.a.
S 11	15 41	25 28	1 53	23 33	1 54	2 21	1 38	25 39	2 32	24 3	0 17	1 35	2 45	22 59	0 10	17 27	1 10	27 7	3 23	20 52	21 6	0 58		n.a.
M12	15 59	26 34	2 55	23 39	1 48	2 7	1 44	25 41	2 36	24 4	0 17	1 34	2 45	22 59	0 10	17 27	1 10	27 7	3 24	20 52	21 5	1 1		n.a.
T 13	16 16	26 16	3 49	23 43	1 41	1 53	1 48	25 42	2 39	24 4	0 17	1 33	2 44	22 59	0 10	17 27	1 10	27 7	3 24	20 53	21 4	1 4		n.a.
W14	16 34	24 29	4 33	23 45	1 34	1 38	1 53	25 43	2 43	24 4	0 18	1 31	2 44	22 59	0 10	17 27	1 10	27 7	3 24	20 53	21 4	1 7		n.a.
T 15	16 50	21 18	5 3	23 46	1 25	1 22	1 58	25 45	2 47	24 4	0 18	1 30	2 44	22 59	0 10	17 27	1 10	27 7	3 24	20 53	21 3	1 10		n.a.
F 16	17 7	16 51	5 16	23 45	1 16	1 6	2 2	25 46	2 51	24 4	0 18	1 29	2 44	22 58	0 10	17 27	1 10	27 7	3 24	20 53	21 3	1 13		n.a.
S 17	17 23	11 23	5 10	23 43	1 7	0 49	2 6	25 48	2 55	24 5	0 18	1 28	2 44	22 58	0 10	17 27	1 10	27 7	3 24	20 53	21 2	1 17		n.a.
S 18	17 39	5 10	4 45	23 39	0 56	0 33	2 10	25 50	2 59	24 5	0 18	1 27	2 43	22 58	0 10	17 26	1 10	27 7	3 24	20 52	21 1	1 20		n.a.
M19	17 55	1s26	4 0	23 34	0 45	0 15	2 14	25 51	3 3	24 5	0 19	1 26	2 43	22 58	0 10	17 26	1 10	27 8	3 25	20 52	21 1	1 23		n.a.
T 20	18 11	8 1	2 59	23 27	0 34	0n 3	2 17	25 53	3 7	24 5	0 19	1 25	2 43	22 57	0 10	17 26	1 10	27 8	3 25	20 52	21 0	1 26		n.a.
W21	18 26	14 11	1 45	23 19	0 22	0 21	2 21	25 55	3 11	24 6	0 19	1 25	2 43	22 57	0 10	17 26	1 10	27 8	3 25	20 52	20 59	1 29		n.a.
T 22	18 41	19 28	0 25	23 10	0 9	0 39	2 24	25 57	3 15	24 6	0 19	1 24	2 43	22 57	0 10	17 26	1 10	27 8	3 25	20 52	20 59	1 32		n.a.
F 23	18 55	23 28	0s55	23 0	0s 4	0 58	2 27	25 59	3 19	24 6	0 19	1 23	2 42	22 57	0 10	17 26	1 10	27 8	3 25	20 52	20 58	1 35		n.a.
S 24	19 10	25 54	2 10	22 48	0 18	1 17	2 30	26 1	3 24	24 6	0 20	1 22	2 42	22 56	0 10	17 25	1 10	27 8	3 25	20 52	20 58	1 39		n.a.
S 25	19 24	26 39	3 15	22 36	0 33	1 37	2 32	26 3	3 28	24 7	0 20	1 21	2 42	22 56	0 10	17 25	1 10	27 8	3 25	20 52	20 57	1 42		n.a.
M26	19 37	25 47	4 8	22 23	0 47	1 56	2 35	26 5	3 32	24 7	0 20	1 21	2 42	22 56	0 10	17 25	1 10	27 8	3 26	20 52	20 56	1 45		n.a.
T 27	19 51	23 33	4 46	22 9	1 2	2 16	2 37	26 7	3 37	24 7	0 20	1 20	2 41	22 56	0 10	17 25	1 10	27 8	3 26	20 52	20 56	1 48		n.a.
W28	20 4	20 13	5 9	21 54	1 18	2 37	2 39	26 10	3 41	24 7	0 20	1 19	2 41	22 55	0 10	17 24	1 10	27 8	3 26	20 52	20 55	1 51		n.a.
T 29	20 16	16 5	5 17	21 39	1 33	2 57	2 41	26 12	3 45	24 7	0 21	1 19	2 41	22 55	0 10	17 24	1 10	27 9	3 26	20 52	20 54	1 54		n.a.
F 30	20 29	11 23	5 11	21 23	1 49	3 18	2 43	26 15	3 50	24 8	0 21	1 18	2 41	22 55	0 10	17 24	1 10	27 9	3 26	20 52	20 54	1 58		n.a.
S 31	20n41	6s20	4s51	21n 7	2s 5	3n39	2s44	26s18	3s54	24s 8	0s21	1s17	2n40	22s54	0s10	17n24	1n10	27s 9	3s26	20n52	20n53	2n 1		n.a.

Julian Day Number = 1466964.5, Delta T = 05h34m22s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'42, Lahiri = -13°34'42 Julian Calendar 1 May 697 BCE == Greg. Calendar 24 Apr. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

JUNE 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 9 9	2♊ 6'04	7♈11	17°R21	16♈26	19♉ 5	0°R 4	9°R17	13°R23	15♌57	25°R41	2°D 3	2♊ 5	13♈59	n.a.	S 1
M 2	16 13 5	3° 3'10	19° 1	17♊ 4	17°25	19°15	29♐58	9♎16	13♐21	15°58	25♐40	2♊ 3	2° 2	14° 6	n.a.	M 2
T 3	16 17 2	4° 0'17	0♋54	16°44	18°23	19°25	29°51	9°14	13°18	15°59	25°38	2° 3	1°59	14°12	n.a.	T 3
W 4	16 20 59	4°57'24	12°53	16°20	19°23	19°35	29°45	9°12	13°16	16° 0	25°37	2° 3	1°56	14°19	n.a.	W 4
T 5	16 24 55	5°54'32	25° 1	15°52	20°22	19°43	29°39	9°11	13°14	16° 1	25°36	2° 3	1°53	14°26	n.a.	T 5
F 6	16 28 52	6°51'40	7♊19	15°21	21°22	19°51	29°32	9° 9	13°11	16° 2	25°34	2°R 3	1°49	14°32	n.a.	F 6
S 7	16 32 48	7°48'49	19°49	14°47	22°22	19°58	29°26	9° 8	13° 9	16° 3	25°33	2° 3	1°46	14°39	n.a.	S 7
S 8	16 36 45	8°45'58	2♋32	14°10	23°23	20° 4	29°19	9° 7	13° 6	16° 4	25°32	2° 3	1°43	14°46	n.a.	S 8
M 9	16 40 41	9°43'07	15°29	13°32	24°24	20°10	29°12	9° 6	13° 4	16° 5	25°30	2° 2	1°40	14°52	n.a.	M 9
T 10	16 44 38	10°40'17	28°41	12°53	25°25	20°15	29° 5	9° 5	13° 2	16° 6	25°29	2° 1	1°37	14°59	n.a.	T 10
W11	16 48 35	11°37'26	12♌ 6	12°13	26°27	20°19	28°58	9° 4	12°59	16° 8	25°28	2° 0	1°33	15° 6	n.a.	W11
T 12	16 52 31	12°34'36	25°46	11°34	27°28	20°22	28°51	9° 3	12°57	16° 9	25°26	1°59	1°30	15°13	n.a.	T 12
F 13	16 56 28	13°31'47	9♍40	10°55	28°30	20°24	28°44	9° 2	12°54	16°10	25°25	1°D59	1°27	15°19	n.a.	F 13
S 14	17 0 24	14°28'57	23°47	10°18	29°33	20°26	28°37	9° 2	12°52	16°11	25°24	1°59	1°24	15°26	n.a.	S 14
S 15	17 4 21	15°26'08	8♎ 5	9°44	0♋35	20°27	28°29	9° 1	12°49	16°12	25°22	1°59	1°21	15°33	n.a.	S 15
M16	17 8 17	16°23'19	22°33	9°12	1°38	20°R27	28°22	9° 1	12°47	16°14	25°21	2° 0	1°18	15°39	n.a.	M16
T 17	17 12 14	17°20'31	7♏ 5	8°44	2°41	20°26	28°14	9° 0	12°45	16°15	25°19	2° 1	1°14	15°46	n.a.	T 17
W18	17 16 10	18°17'43	21°37	8°20	3°44	20°25	28° 7	9° 0	12°42	16°16	25°18	2° 2	1°11	15°53	n.a.	W18
T 19	17 20 7	19°14'56	6♐ 4	8° 0	4°48	20°23	27°59	9° 0	12°40	16°18	25°17	2°R 2	1° 8	15°59	n.a.	T 19
F 20	17 24 4	20°12'09	20°21	7°45	5°52	20°20	27°52	9°D 0	12°37	16°19	25°15	2° 2	1° 5	16° 6	n.a.	F 20
S 21	17 28 0	21° 9'24	4♑23	7°36	6°56	20°16	27°44	9° 0	12°35	16°21	25°14	2° 0	1° 2	16°13	n.a.	S 21
S 22	17 31 57	22° 6'39	18° 5	7°D32	8° 0	20°11	27°36	9° 0	12°33	16°22	25°12	1°58	0°59	16°19	n.a.	S 22
M23	17 35 53	23° 3'55	1♒26	7°34	9° 5	20° 6	27°29	9° 0	12°30	16°24	25°11	1°55	0°55	16°26	n.a.	M23
T 24	17 39 50	24° 1'13	14°25	7°42	10° 9	20° 0	27°21	9° 0	12°28	16°25	25°10	1°52	0°52	16°33	n.a.	T 24
W25	17 43 46	24°58'31	27° 4	7°56	11°14	19°53	27°13	9° 1	12°26	16°27	25° 8	1°49	0°49	16°39	n.a.	W25
T 26	17 47 43	25°55'51	9♓25	8°16	12°19	19°46	27° 5	9° 1	12°23	16°28	25° 7	1°47	0°46	16°46	n.a.	T 26
F 27	17 51 39	26°53'12	21°31	8°43	13°25	19°38	26°58	9° 2	12°21	16°30	25° 5	1°D46	0°43	16°53	n.a.	F 27
S 28	17 55 36	27°50'34	3♈28	9°16	14°30	19°29	26°50	9° 3	12°19	16°31	25° 4	1°46	0°39	16°59	n.a.	S 28
S 29	17 59 33	28°47'58	15°19	9°55	15°36	19°19	26°42	9° 3	12°16	16°33	25° 3	1°47	0°36	17° 6	n.a.	S 29
M30	18 3 29	29♊45'22	27♈10	10♊40	16♋42	19♉ 9	26♐34	9♎ 4	12♐14	16♌35	25♐ 1	1♊48	0♊33	17♈13	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n53	1s 5	4s20	20n50	2s21	4n 0	2s46	26s20	3s59	24s 8	0s21	1s17	2n40	22s54	0s10	17n23	1n10	27s 9	3s26	20n52	20n52	2n 4		n.a.
M 2	21 4	4n13	3 37	20 33	2 36	4 22	2 47	26 23	4 3	24 8	0 21	1 16	2 40	22 54	0 10	17 23	1 10	27 9	3 27	20 52	20 52	2 7		n.a.
T 3	21 15	9 23	2 44	20 16	2 51	4 43	2 48	26 26	4 8	24 8	0 22	1 16	2 40	22 54	0 10	17 23	1 10	27 9	3 27	20 52	20 51	2 10		n.a.
W 4	21 26	14 16	1 44	19 59	3 6	5 5	2 49	26 30	4 13	24 9	0 22	1 16	2 40	22 53	0 10	17 22	1 10	27 9	3 27	20 52	20 51	2 13		n.a.
T 5	21 36	18 40	0 39	19 43	3 20	5 27	2 50	26 33	4 17	24 9	0 22	1 15	2 39	22 53	0 10	17 22	1 10	27 9	3 27	20 52	20 50	2 16		n.a.
F 6	21 46	22 19	0n29	19 26	3 33	5 49	2 51	26 36	4 22	24 9	0 22	1 15	2 39	22 53	0 10	17 22	1 10	27 9	3 27	20 52	20 49	2 20		n.a.
S 7	21 55	25 0	1 37	19 10	3 45	6 11	2 51	26 40	4 26	24 9	0 22	1 15	2 39	22 52	0 10	17 21	1 10	27 9	3 27	20 52	20 49	2 23		n.a.
S 8	22 5	26 26	2 41	18 55	3 56	6 33	2 52	26 43	4 31	24 9	0 23	1 14	2 39	22 52	0 10	17 21	1 10	27 9	3 27	20 52	20 48	2 26		n.a.
M 9	22 13	26 29	3 38	18 41	4 6	6 56	2 52	26 47	4 36	24 9	0 23	1 14	2 38	22 52	0 11	17 21	1 9	27 9	3 27	20 52	20 47	2 29		n.a.
T 10	22 22	25 2	4 25	18 27	4 15	7 18	2 52	26 51	4 40	24 10	0 23	1 14	2 38	22 52	0 11	17 20	1 9	27 9	3 27	20 52	20 47	2 32		n.a.
W11	22 30	22 10	4 58	18 15	4 22	7 41	2 52	26 55	4 45	24 10	0 23	1 14	2 38	22 51	0 11	17 20	1 9	27 10	3 28	20 51	20 46	2 35		n.a.
T 12	22 38	18 2	5 15	18 4	4 28	8 3	2 52	26 59	4 50	24 10	0 23	1 14	2 37	22 51	0 11	17 19	1 9	27 10	3 28	20 51	20 45	2 39		n.a.
F 13	22 45	12 53	5 14	17 55	4 32	8 26	2 52	27 3	4 54	24 10	0 23	1 14	2 37	22 51	0 11	17 19	1 9	27 10	3 28	20 51	20 45	2 42		n.a.
S 14	22 52	6 59	4 54	17 47	4 34	8 48	2 51	27 8	4 59	24 10	0 24	1 14	2 37	22 50	0 11	17 19	1 9	27 10	3 28	20 51	20 44	2 45		n.a.
S 15	22 58	0 39	4 16	17 41	4 35	9 11	2 51	27 12	5 4	24 10	0 24	1 14	2 37	22 50	0 11	17 18	1 9	27 10	3 28	20 51	20 43	2 48		n.a.
M16	23 4	5s47	3 21	17 37	4 34	9 33	2 50	27 17	5 8	24 10	0 24	1 14	2 36	22 50	0 11	17 18	1 9	27 10	3 28	20 51	20 43	2 51		n.a.
T 17	23 10	11 58	2 14	17 35	4 32	9 56	2 49	27 21	5 13	24 10	0 24	1 14	2 36	22 49	0 11	17 17	1 9	27 10	3 28	20 52	20 42	2 54		n.a.
W18	23 15	17 30	0 57	17 36	4 28	10 18	2 49	27 26	5 18	24 10	0 24	1 14	2 36	22 49	0 11	17 17	1 9	27 10	3 28	20 52	20 41	2 58		n.a.
T 19	23 20	22 0	0s22	17 38	4 23	10 41	2 48	27 31	5 22	24 10	0 25	1 14	2 36	22 49	0 11	17 17	1 9	27 10	3 28	20 52	20 41	3 1		n.a.
F 20	23 25	25 5	1 39	17 42	4 16	11 3	2 47	27 36	5 26	24 10	0 25	1 14	2 35	22 48	0 11	17 16	1 9	27 10	3 29	20 52	20 40	3 4		n.a.
S 21	23 29	26 31	2 49	17 48	4 8	11 25	2 45	27 41	5 31	24 11	0 25	1 15	2 35	22 48	0 11	17 16	1 9	27 10	3 29	20 51	20 39	3 7		n.a.
S 22	23 32	26 17	3 47	17 57	3 59	11 47	2 44	27 46	5 35	24 11	0 25	1 15	2 35	22 48	0 11	17 15	1 9	27 10	3 29	20 51	20 39	3 10		n.a.
M23	23 36	24 32	4 31	18 7	3 49	12 9	2 43	27 51	5 40	24 11	0 25	1 15	2 35	22 48	0 11	17 15	1 9	27 10	3 29	20 50	20 38	3 13		n.a.
T 24	23 39	21 31	5 0	18 20	3 38	12 31	2 41	27 56	5 44	24 11	0 25	1 16	2 34	22 47	0 11	17 14	1 9	27 10	3 29	20 50	20 37	3 17		n.a.
W25	23 41	17 33	5 13	18 34	3 25	12 53	2 40	28 1	5 48	24 11	0 26	1 16	2 34	22 47	0 11	17 14	1 9	27 10	3 29	20 49	20 37	3 20		n.a.
T 26	23 43	12 57	5 12	18 50	3 13	13 15	2 38	28 6	5 52	24 11	0 26	1 17	2 34	22 47	0 11	17 13	1 9	27 10	3 29	20 49	20 36	3 23		n.a.
F 27	23 45	7 56	4 56	19 7	2 59	13 36	2 36	28 11	5 56	24 11	0 26	1 17	2 33	22 46	0 11	17 13	1 9	27 10	3 29	20 48	20 35	3 26		n.a.
S 28	23 46	2 41	4 28	19 26	2 45	13 58	2 35	28 16	6 0	24 11	0 26	1 18	2 33	22 46	0 11	17 12	1 9	27 10	3 29	20 48	20 35	3 29		n.a.
S 29	23 46	2n37	3 48	19 46	2 31	14 19	2 33	28 22	6 4	24 10	0 26	1 18	2 33	22 46	0 11	17 12	1 9	27 10	3 29	20 49	20 34	3 32		n.a.
M30	23n47	7n50	2s59	20n 7	2s17	14n40	2s31	28s27	6s 7	24s10	0s26	1s19	2n33	22s45	0s11	17n11	1n 9	27s10	3s29	20n49	20n33	3n36		n.a.

Julian Day Number = 1466995.5, Delta T = 05h34m20s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'38, Lahiri = -13°34'38 Julian Calendar 1 June 697 BCE == Greg. Calendar 25 May 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

JULY 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 7 26	0♋42'49	9♉ 6	11♊32	17♉48	18°R58	26°R26	9♎ 5	12°R12	16♑36	25°R 0	1♊50	0♊30	17♈20	n.a.	T 1
W 2	18 11 22	1°40'16	21°10	12°29	18°54	18♏46	26♐19	9° 6	12♐10	16°38	24♐58	1°51	0°27	17°26	n.a.	W 2
T 3	18 15 19	2°37'45	3♊26	13°33	20° 0	18°34	26°11	9° 7	12° 7	16°40	24°57	1°R52	0°24	17°33	n.a.	T 3
F 4	18 19 15	3°35'16	15°57	14°42	21° 7	18°22	26° 3	9° 9	12° 5	16°41	24°55	1°51	0°20	17°40	n.a.	F 4
S 5	18 23 12	4°32'48	28°44	15°56	22°14	18° 8	25°56	9°10	12° 3	16°43	24°54	1°48	0°17	17°46	n.a.	S 5
S 6	18 27 9	5°30'21	11♋49	17°16	23°21	17°55	25°48	9°11	12° 1	16°45	24°53	1°45	0°14	17°53	n.a.	S 6
M 7	18 31 5	6°27'55	25°10	18°41	24°28	17°41	25°41	9°13	11°59	16°47	24°51	1°40	0°11	18° 0	n.a.	M 7
T 8	18 35 2	7°25'31	8♌46	20°11	25°35	17°26	25°33	9°15	11°57	16°48	24°50	1°34	0° 8	18° 6	n.a.	T 8
W 9	18 38 58	8°23'07	22°34	21°45	26°42	17°11	25°26	9°16	11°55	16°50	24°49	1°28	0° 5	18°13	n.a.	W 9
T 10	18 42 55	9°20'45	6♍31	23°24	27°50	16°56	25°18	9°18	11°53	16°52	24°47	1°24	0° 1	18°20	n.a.	T 10
F 11	18 46 51	10°18'24	20°36	25° 7	28°58	16°41	25°11	9°20	11°50	16°54	24°46	1°21	29♉58	18°26	n.a.	F 11
S 12	18 50 48	11°16'04	4♎44	26°53	0♊ 6	16°25	25° 4	9°22	11°48	16°56	24°45	1°19	29°55	18°33	n.a.	S 12
S 13	18 54 44	12°13'45	18°55	28°42	1°13	16°10	24°57	9°24	11°46	16°58	24°43	1°D19	29°52	18°40	n.a.	S 13
M14	18 58 41	13°11'28	3♏ 6	0♋33	2°22	15°54	24°50	9°26	11°45	17° 0	24°42	1°20	29°49	18°46	n.a.	M14
T 15	19 2 38	14° 9'12	17°16	2°28	3°30	15°38	24°43	9°29	11°43	17° 2	24°41	1°21	29°45	18°53	n.a.	T 15
W16	19 6 34	15° 6'57	1♐22	4°24	4°38	15°22	24°36	9°31	11°41	17° 4	24°39	1°R22	29°42	19° 0	n.a.	W16
T 17	19 10 31	16° 4'43	15°23	6°21	5°47	15° 6	24°29	9°34	11°39	17° 5	24°38	1°21	29°39	19° 6	n.a.	T 17
F 18	19 14 27	17° 2'31	29°16	8°20	6°55	14°50	24°22	9°36	11°37	17° 7	24°37	1°18	29°36	19°13	n.a.	F 18
S 19	19 18 24	18° 0'20	12♑57	10°19	8° 4	14°34	24°16	9°39	11°35	17° 9	24°35	1°13	29°33	19°20	n.a.	S 19
S 20	19 22 20	18°58'11	26°24	12°19	9°13	14°19	24°10	9°42	11°34	17°11	24°34	1° 6	29°30	19°26	n.a.	S 20
M21	19 26 17	19°56'04	9♒34	14°19	10°22	14° 3	24° 3	9°44	11°32	17°13	24°33	0°58	29°26	19°33	n.a.	M21
T 22	19 30 13	20°53'58	22°27	16°19	11°31	13°48	23°57	9°47	11°30	17°16	24°32	0°50	29°23	19°40	n.a.	T 22
W23	19 34 10	21°51'54	5♓ 2	18°18	12°41	13°33	23°51	9°50	11°28	17°18	24°30	0°41	29°20	19°47	n.a.	W23
T 24	19 38 7	22°49'52	17°21	20°17	13°50	13°18	23°45	9°53	11°27	17°20	24°29	0°34	29°17	19°53	n.a.	T 24
F 25	19 42 3	23°47'52	29°27	22°16	15° 0	13° 4	23°39	9°57	11°25	17°22	24°28	0°29	29°14	20° 0	n.a.	F 25
S 26	19 46 0	24°45'54	11♈23	24°14	16° 9	12°50	23°34	10° 0	11°24	17°24	24°27	0°26	29°11	20° 7	n.a.	S 26
S 27	19 49 56	25°43'58	23°13	26°10	17°19	12°37	23°28	10° 3	11°22	17°26	24°26	0°D25	29° 7	20°13	n.a.	S 27
M28	19 53 53	26°42'04	5♉ 4	28° 6	18°29	12°24	23°23	10° 6	11°21	17°28	24°24	0°25	29° 4	20°20	n.a.	M28
T 29	19 57 49	27°40'12	16°59	0♌ 1	19°39	12°11	23°18	10°10	11°19	17°30	24°23	0°26	29° 1	20°27	n.a.	T 29
W30	20 1 46	28°38'22	29° 5	1°55	20°49	11°59	23°13	10°14	11°18	17°32	24°22	0°R27	28°58	20°33	n.a.	W30
T 31	20 5 42	29♋36'35	11♊26	3♌48	22♊ 0	11♑48	23♐ 8	10♎17	11♐17	17♑34	24♐21	0♊26	28♉55	20♈40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n47	12n49	2s 2	20n29	2s 2	15n 0	2s29	28s32	6s11	24s10	0s26	1s19	2n32	22s45	0s11	17n11	1n 9	27s10	3s29	20n49	20n33	3n39			n.a.
W 2	23 46	17 22	0 58	20 51	1 47	15 21	2 26	28 37	6 14	24 10	0 27	1 20	2 32	22 45	0 11	17 10	1 9	27 10	3 30	20 50	20 32	3 42			n.a.
T 3	23 45	21 17	0n 9	21 14	1 32	15 41	2 24	28 42	6 17	24 10	0 27	1 21	2 32	22 45	0 11	17 10	1 9	27 10	3 30	20 50	20 31	3 45			n.a.
F 4	23 44	24 17	1 16	21 37	1 17	16 1	2 22	28 47	6 20	24 10	0 27	1 21	2 32	22 44	0 11	17 9	1 9	27 10	3 30	20 50	20 31	3 48			n.a.
S 5	23 42	26 8	2 22	22 0	1 2	16 20	2 20	28 52	6 23	24 10	0 27	1 22	2 31	22 44	0 11	17 9	1 9	27 10	3 30	20 49	20 30	3 51			n.a.
S 6	23 40	26 35	3 21	22 22	0 48	16 40	2 17	28 56	6 26	24 10	0 27	1 23	2 31	22 44	0 11	17 8	1 9	27 10	3 30	20 48	20 29	3 55			n.a.
M 7	23 37	25 30	4 10	22 44	0 34	16 59	2 15	29 1	6 29	24 10	0 27	1 24	2 31	22 43	0 11	17 7	1 9	27 10	3 30	20 47	20 29	3 58			n.a.
T 8	23 34	22 55	4 46	23 5	0 20	17 18	2 12	29 5	6 31	24 10	0 27	1 25	2 30	22 43	0 11	17 7	1 9	27 10	3 30	20 46	20 28	4 1			n.a.
W 9	23 31	19 0	5 7	23 25	0 7	17 36	2 9	29 10	6 34	24 10	0 28	1 26	2 30	22 43	0 11	17 6	1 9	27 10	3 30	20 45	20 27	4 4			n.a.
T 10	23 27	14 1	5 9	23 43	0n 6	17 54	2 7	29 14	6 36	24 9	0 28	1 27	2 30	22 43	0 11	17 6	1 9	27 10	3 30	20 44	20 27	4 7			n.a.
F 11	23 22	8 15	4 53	24 0	0 18	18 12	2 4	29 18	6 38	24 9	0 28	1 28	2 30	22 42	0 11	17 5	1 9	27 10	3 30	20 43	20 26	4 10			n.a.
S 12	23 18	2 3	4 19	24 14	0 30	18 29	2 1	29 21	6 39	24 9	0 28	1 29	2 29	22 42	0 11	17 5	1 9	27 10	3 30	20 43	20 25	4 14			n.a.
S 13	23 13	4s17	3 30	24 27	0 41	18 46	1 58	29 25	6 41	24 9	0 28	1 30	2 29	22 42	0 11	17 4	1 9	27 10	3 30	20 43	20 25	4 17			n.a.
M14	23 7	10 25	2 27	24 37	0 51	19 3	1 55	29 28	6 42	24 9	0 28	1 31	2 29	22 42	0 11	17 3	1 9	27 10	3 30	20 43	20 24	4 20			n.a.
T 15	23 1	16 1	1 16	24 45	1 0	19 19	1 52	29 31	6 43	24 9	0 28	1 32	2 29	22 41	0 11	17 3	1 9	27 10	3 30	20 43	20 23	4 23			n.a.
W16	22 55	20 44	0s 0	24 50	1 8	19 35	1 49	29 34	6 44	24 9	0 29	1 33	2 28	22 41	0 11	17 2	1 9	27 10	3 30	20 44	20 23	4 26			n.a.
T 17	22 48	24 13	1 15	24 53	1 16	19 50	1 46	29 37	6 45	24 8	0 29	1 35	2 28	22 41	0 11	17 2	1 9	27 10	3 30	20 43	20 22	4 29			n.a.
F 18	22 41	26 12	2 25	24 53	1 22	20 5	1 43	29 40	6 46	24 8	0 29	1 36	2 28	22 41	0 11	17 1	1 9	27 10	3 31	20 43	20 21	4 33			n.a.
S 19	22 33	26 33	3 25	24 50	1 28	20 19	1 40	29 42	6 46	24 8	0 29	1 37	2 28	22 40	0 11	17 0	1 9	27 10	3 31	20 42	20 20	4 36			n.a.
S 20	22 25	25 18	4 13	24 45	1 33	20 33	1 37	29 44	6 46	24 8	0 29	1 38	2 27	22 40	0 11	17 0	1 9	27 10	3 31	20 40	20 20	4 39			n.a.
M21	22 17	22 41	4 46	24 37	1 38	20 46	1 34	29 45	6 46	24 8	0 29	1 40	2 27	22 40	0 11	16 59	1 9	27 10	3 31	20 39	20 19	4 42			n.a.
T 22	22 8	19 0	5 3	24 26	1 41	20 59	1 31	29 47	6 46	24 8	0 29	1 41	2 27	22 40	0 11	16 58	1 9	27 10	3 31	20 37	20 18	4 45			n.a.
W23	21 59	14 31	5 6	24 13	1 44	21 12	1 27	29 48	6 46	24 7	0 29	1 43	2 27	22 39	0 11	16 58	1 9	27 10	3 31	20 35	20 18	4 48			n.a.
T 24	21 49	9 33	4 54	23 58	1 46	21 24	1 24	29 49	6 45	24 7	0 29	1 44	2 26	22 39	0 11	16 57	1 9	27 10	3 31	20 34	20 17	4 52			n.a.
F 25	21 39	4 19	4 29	23 40	1 47	21 35	1 21	29 50	6 44	24 7	0 29	1 46	2 26	22 39	0 11	16 56	1 9	27 10	3 31	20 33	20 16	4 55			n.a.
S 26	21 29	1n 0	3 52	23 20	1 48	21 46	1 18	29 50	6 43	24 7	0 30	1 47	2 26	22 39	0 11	16 56	1 9	27 10	3 31	20 32	20 16	4 58			n.a.
S 27	21 18	6 16	3 6	22 58	1 47	21 56	1 14	29 51	6 42	24 7	0 30	1 49	2 26	22 39	0 11	16 55	1 9	27 10	3 31	20 32	20 15	5 1			n.a.
M28	21 7	11 20	2 12	22 35	1 47	22 6	1 11	29 51	6 41	24 6	0 30	1 50	2 25	22 38	0 11	16 54	1 9	27 10	3 31	20 32	20 14	5 4			n.a.
T 29	20 55	16 0	1 12	22 9	1 46	22 15	1 7	29 50	6 39	24 6	0 30	1 52	2 25	22 38	0 11	16 54	1 9	27 10	3 31	20 32	20 13	5 7			n.a.
W30	20 44	20 7	0 7	21 42	1 44	22 24	1 4	29 50	6 38	24 6	0 30	1 53	2 25	22 38	0 11	16 53	1 9	27 10	3 31	20 32	20 13	5 11			n.a.
T 31	20n31	23n26	0n59	21n13	1n42	22n32	1s 1	29s49	6s36	24s 6	0s30	1s55	2n25	22s38	0s11	16n53	1n 9	27s10	3s31	20n32	20n12	5n14			n.a.

Julian Day Number = 1467025.5, Delta T = 05h34m19s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'34, Lahiri = -13°34'34 Julian Calendar 1 July 697 BCE == Greg. Calendar 24 June 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

AUGUST 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 9 39	0♌34'49	24♊ 6	5♌39	23♊10	11°R37	23°R 3	10♎21	11°R15	17♌37	24°R20	0°R24	28♉51	20♈47	n.a.	F 1
S 2	20 13 36	1°33'06	7♋ 7	7°29	24°21	11♑27	22♐58	10°25	11♐14	17°39	24♐19	0♊19	28°48	20°53	n.a.	S 2
S 3	20 17 32	2°31'25	20°31	9°19	25°31	11°18	22°54	10°29	11°13	17°41	24°18	0°11	28°45	21° 0	n.a.	S 3
M 4	20 21 29	3°29'45	4♌16	11° 7	26°42	11° 9	22°50	10°33	11°12	17°43	24°17	0° 2	28°42	21° 7	n.a.	M 4
T 5	20 25 25	4°28'08	18°18	12°53	27°53	11° 1	22°46	10°37	11°10	17°45	24°16	29♉52	28°39	21°13	n.a.	T 5
W 6	20 29 22	5°26'32	2♍34	14°39	29° 4	10°54	22°42	10°41	11° 9	17°47	24°15	29°42	28°36	21°20	n.a.	W 6
T 7	20 33 18	6°24'58	16°56	16°24	0♋15	10°47	22°38	10°45	11° 8	17°50	24°14	29°33	28°32	21°27	n.a.	T 7
F 8	20 37 15	7°23'26	1♎21	18° 7	1°26	10°41	22°34	10°49	11° 7	17°52	24°13	29°26	28°29	21°33	n.a.	F 8
S 9	20 41 11	8°21'56	15°42	19°49	2°37	10°36	22°31	10°54	11° 6	17°54	24°12	29°22	28°26	21°40	n.a.	S 9
S 10	20 45 8	9°20'27	29°56	21°30	3°48	10°32	22°28	10°58	11° 5	17°56	24°11	29°20	28°23	21°47	n.a.	S 10
M11	20 49 4	10°19'01	14♏ 2	23°10	5° 0	10°28	22°25	11° 3	11° 5	17°58	24°10	29°D19	28°20	21°53	n.a.	M11
T 12	20 53 1	11°17'36	27°59	24°49	6°11	10°26	22°22	11° 7	11° 4	18° 1	24° 9	29°R20	28°17	22° 0	n.a.	T 12
W13	20 56 58	12°16'12	11♐46	26°27	7°23	10°24	22°19	11°12	11° 3	18° 3	24° 9	29°19	28°13	22° 7	n.a.	W13
T 14	21 0 54	13°14'51	25°23	28° 4	8°35	10°23	22°17	11°16	11° 2	18° 5	24° 8	29°17	28°10	22°13	n.a.	T 14
F 15	21 4 51	14°13'31	8♑51	29°40	9°46	10°D23	22°15	11°21	11° 2	18° 7	24° 7	29°12	28° 7	22°20	n.a.	F 15
S 16	21 8 47	15°12'14	22° 8	1♍15	10°58	10°23	22°13	11°26	11° 1	18°10	24° 6	29° 4	28° 4	22°27	n.a.	S 16
S 17	21 12 44	16°10'58	5♒14	2°49	12°10	10°24	22°11	11°31	11° 0	18°12	24° 5	28°53	28° 1	22°33	n.a.	S 17
M18	21 16 40	17° 9'44	18° 7	4°22	13°22	10°27	22° 9	11°36	11° 0	18°14	24° 5	28°41	27°57	22°40	n.a.	M18
T 19	21 20 37	18° 8'33	0♓47	5°54	14°34	10°30	22° 8	11°41	10°59	18°16	24° 4	28°28	27°54	22°47	n.a.	T 19
W20	21 24 33	19° 7'23	13°13	7°24	15°47	10°33	22° 6	11°46	10°59	18°18	24° 3	28°15	27°51	22°53	n.a.	W20
T 21	21 28 30	20° 6'16	25°26	8°54	16°59	10°38	22° 5	11°51	10°59	18°21	24° 3	28° 4	27°48	23° 0	n.a.	T 21
F 22	21 32 27	21° 5'11	7♈28	10°23	18°11	10°43	22° 5	11°56	10°58	18°23	24° 2	27°55	27°45	23° 7	n.a.	F 22
S 23	21 36 23	22° 4'08	19°21	11°51	19°24	10°49	22° 4	12° 2	10°58	18°25	24° 1	27°48	27°42	23°13	n.a.	S 23
S 24	21 40 20	23° 3'08	1♉10	13°18	20°36	10°56	22° 3	12° 7	10°58	18°27	24° 1	27°45	27°38	23°20	n.a.	S 24
M25	21 44 16	24° 2'10	12°59	14°44	21°49	11° 3	22° 3	12°12	10°58	18°30	24° 0	27°43	27°35	23°27	n.a.	M25
T 26	21 48 13	25° 1'15	24°52	16° 8	23° 2	11°11	22°D 3	12°18	10°57	18°32	24° 0	27°43	27°32	23°33	n.a.	T 26
W27	21 52 9	26° 0'22	6♊57	17°32	24°15	11°20	22° 3	12°23	10°57	18°34	23°59	27°43	27°29	23°40	n.a.	W27
T 28	21 56 6	26°59'31	19°17	18°55	25°27	11°30	22° 3	12°29	10°D57	18°36	23°59	27°42	27°26	23°47	n.a.	T 28
F 29	22 0 2	27°58'43	1♋59	20°16	26°40	11°40	22° 4	12°35	10°57	18°38	23°58	27°39	27°23	23°53	n.a.	F 29
S 30	22 3 59	28°57'58	15° 6	21°37	27°53	11°51	22° 4	12°40	10°57	18°41	23°58	27°33	27°19	24° 0	n.a.	S 30
S 31	22 7 56	29♌57'15	28♋39	22♍56	29♋ 7	12♑ 3	22♐ 5	12♎46	10♐58	18♌43	23♐57	27♉25	27♉16	24♈ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n19	25n42	2n 3	20n43	1n39	22n39	0s57	29s48	6s34	24s 6	0s30	1s57	2n24	22s38	0s11	16n52	1n 9	27s10	3s31	20n31	20n11	5n17		n.a.
S 2	20 6	26 38	3 3	20 12	1 36	22 46	0 54	29 47	6 32	24 6	0 30	1 58	2 24	22 37	0 11	16 51	1 9	27 10	3 31	20 30	20 11	5 20		n.a.
S 3	19 53	26 2	3 54	19 40	1 32	22 52	0 50	29 45	6 29	24 5	0 30	2 0	2 24	22 37	0 11	16 50	1 9	27 10	3 31	20 29	20 10	5 23		n.a.
M 4	19 39	23 53	4 33	19 6	1 28	22 57	0 47	29 44	6 27	24 5	0 30	2 2	2 24	22 37	0 11	16 50	1 9	27 10	3 31	20 27	20 9	5 26		n.a.
T 5	19 25	20 15	4 57	18 31	1 24	23 2	0 44	29 42	6 24	24 5	0 30	2 4	2 23	22 37	0 11	16 49	1 9	27 10	3 31	20 25	20 9	5 30		n.a.
W 6	19 11	15 24	5 2	17 56	1 19	23 6	0 40	29 40	6 22	24 5	0 31	2 6	2 23	22 37	0 11	16 48	1 9	27 10	3 31	20 22	20 8	5 33		n.a.
T 7	18 56	9 39	4 49	17 20	1 14	23 10	0 37	29 38	6 19	24 5	0 31	2 8	2 23	22 37	0 11	16 48	1 9	27 10	3 31	20 20	20 7	5 36		n.a.
F 8	18 41	3 23	4 18	16 43	1 9	23 13	0 33	29 35	6 16	24 5	0 31	2 9	2 23	22 36	0 11	16 47	1 9	27 10	3 31	20 19	20 6	5 39		n.a.
S 9	18 26	3s 3	3 30	16 5	1 4	23 15	0 30	29 33	6 13	24 5	0 31	2 11	2 23	22 36	0 11	16 46	1 9	27 10	3 31	20 18	20 6	5 42		n.a.
S 10	18 10	9 17	2 29	15 27	0 58	23 17	0 27	29 30	6 10	24 4	0 31	2 13	2 22	22 36	0 11	16 46	1 9	27 10	3 31	20 18	20 5	5 45		n.a.
M11	17 54	15 0	1 20	14 48	0 52	23 18	0 23	29 27	6 7	24 4	0 31	2 15	2 22	22 36	0 11	16 45	1 9	27 10	3 31	20 18	20 4	5 49		n.a.
T 12	17 38	19 52	0 7	14 9	0 46	23 18	0 20	29 24	6 4	24 4	0 31	2 17	2 22	22 36	0 11	16 44	1 9	27 10	3 31	20 18	20 4	5 52		n.a.
W13	17 22	23 36	1s 5	13 29	0 39	23 18	0 17	29 21	6 0	24 4	0 31	2 19	2 22	22 36	0 11	16 44	1 9	27 10	3 31	20 17	20 3	5 55		n.a.
T 14	17 5	25 55	2 13	12 49	0 33	23 17	0 13	29 18	5 57	24 4	0 31	2 21	2 21	22 36	0 11	16 43	1 9	27 10	3 31	20 17	20 2	5 58		n.a.
F 15	16 48	26 41	3 13	12 9	0 26	23 15	0 10	29 14	5 53	24 4	0 31	2 23	2 21	22 36	0 11	16 42	1 9	27 10	3 31	20 16	20 1	6 1		n.a.
S 16	16 30	25 54	4 1	11 29	0 19	23 12	0 7	29 11	5 50	24 4	0 31	2 26	2 21	22 36	0 11	16 42	1 9	27 10	3 31	20 14	20 1	6 4		n.a.
S 17	16 13	23 41	4 36	10 48	0 12	23 9	0 4	29 7	5 46	24 4	0 31	2 28	2 21	22 35	0 11	16 41	1 9	27 10	3 31	20 12	20 0	6 8		n.a.
M18	15 55	20 17	4 55	10 7	0 5	23 5	0 0	29 3	5 43	24 4	0 31	2 30	2 21	22 35	0 11	16 40	1 9	27 10	3 31	20 9	19 59	6 11		n.a.
T 19	15 37	16 1	5 0	9 26	0s 3	23 1	0n 3	29 0	5 39	24 4	0 31	2 32	2 20	22 35	0 11	16 40	1 9	27 10	3 31	20 6	19 58	6 14		n.a.
W20	15 18	11 8	4 50	8 46	0 10	22 56	0 6	28 56	5 35	24 4	0 31	2 34	2 20	22 35	0 11	16 39	1 9	27 10	3 31	20 3	19 58	6 17		n.a.
T 21	14 59	5 55	4 27	8 5	0 17	22 50	0 9	28 51	5 32	24 4	0 31	2 36	2 20	22 35	0 11	16 38	1 9	27 10	3 31	20 1	19 57	6 20		n.a.
F 22	14 40	0 33	3 53	7 24	0 25	22 44	0 12	28 47	5 28	24 4	0 31	2 39	2 20	22 35	0 11	16 37	1 9	27 10	3 31	19 59	19 56	6 23		n.a.
S 23	14 21	4n47	3 8	6 43	0 32	22 36	0 15	28 43	5 24	24 4	0 32	2 41	2 20	22 35	0 11	16 37	1 9	27 10	3 31	19 57	19 56	6 27		n.a.
S 24	14 2	9 56	2 16	6 2	0 40	22 28	0 18	28 39	5 20	24 4	0 32	2 43	2 20	22 35	0 11	16 36	1 9	27 10	3 31	19 56	19 55	6 30		n.a.
M25	13 42	14 44	1 17	5 22	0 48	22 20	0 21	28 34	5 17	24 4	0 32	2 45	2 19	22 35	0 11	16 35	1 9	27 9	3 31	19 56	19 54	6 33		n.a.
T 26	13 22	19 1	0 15	4 42	0 55	22 11	0 24	28 30	5 13	24 4	0 32	2 48	2 19	22 35	0 11	16 35	1 9	27 9	3 31	19 56	19 53	6 36		n.a.
W27	13 2	22 35	0n49	4 2	1 3	22 1	0 27	28 25	5 9	24 4	0 32	2 50	2 19	22 35	0 11	16 34	1 9	27 9	3 31	19 56	19 53	6 39		n.a.
T 28	12 41	25 12	1 52	3 22	1 10	21 50	0 30	28 20	5 5	24 4	0 32	2 52	2 19	22 35	0 11	16 33	1 9	27 9	3 31	19 56	19 52	6 42		n.a.
F 29	12 21	26 37	2 51	2 43	1 18	21 39	0 33	28 16	5 1	24 4	0 32	2 55	2 19	22 35	0 11	16 33	1 9	27 9	3 31	19 55	19 51	6 46		n.a.
S 30	12 0	26 36	3 43	2 4	1 25	21 27	0 35	28 11	4 57	24 4	0 32	2 57	2 18	22 35	0 11	16 32	1 9	27 9	3 31	19 54	19 50	6 49		n.a.
S 31	11n39	25n 1	4n24	1n26	1s33	21n15	0n38	28s 6	4s53	24s 4	0s32	3s 0	2n18	22s35	0s11	16n31	1n 9	27s 9	3s31	19n52	19n50	6n52		n.a.

Julian Day Number = 1467056.5, Delta T = 05h34m17s
Ecliptic obliquity = 23°46'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'30, Lahiri = -13°34'29 Julian Calendar 1 Aug. 697 BCE == Greg. Calendar 25 July 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

SEPTEMBER 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 11 52	0♍56'34	12♌39	24♍14	0♌20	12♏15	22♐ 6	12♎52	10♐58	18♌45	23°R57	27°R14	27♉13	24♈13	n.a.	M 1
T 2	22 15 49	1°55'55	27° 2	25°30	1°33	12°28	22° 8	12°58	10°58	18°47	23♐57	27♉ 2	27°10	24°20	n.a.	T 2
W 3	22 19 45	2°55'18	11♍41	26°45	2°46	12°42	22° 9	13° 4	10°58	18°49	23°56	26°50	27° 7	24°27	n.a.	W 3
T 4	22 23 42	3°54'44	26°30	27°59	4° 0	12°57	22°11	13°10	10°59	18°52	23°56	26°40	27° 3	24°33	n.a.	T 4
F 5	22 27 38	4°54'11	11♎20	29°11	5°13	13°12	22°13	13°16	10°59	18°54	23°56	26°32	27° 0	24°40	n.a.	F 5
S 6	22 31 35	5°53'41	26° 2	0♎21	6°27	13°27	22°15	13°22	10°59	18°56	23°56	26°26	26°57	24°47	n.a.	S 6
S 7	22 35 31	6°53'12	10♏31	1°29	7°40	13°44	22°17	13°28	11° 0	18°58	23°55	26°24	26°54	24°53	n.a.	S 7
M 8	22 39 28	7°52'46	24°45	2°35	8°54	14° 0	22°19	13°34	11° 0	19° 0	23°55	26°D23	26°51	25° 0	n.a.	M 8
T 9	22 43 24	8°52'21	8♐41	3°39	10° 8	14°18	22°22	13°40	11° 1	19° 2	23°55	26°R23	26°48	25° 7	n.a.	T 9
W10	22 47 21	9°51'58	22°20	4°41	11°22	14°36	22°25	13°46	11° 2	19° 5	23°55	26°23	26°44	25°13	n.a.	W10
T 11	22 51 18	10°51'37	5♑43	5°40	12°35	14°54	22°28	13°52	11° 2	19° 7	23°55	26°20	26°41	25°20	n.a.	T 11
F 12	22 55 14	11°51'18	18°53	6°36	13°49	15°14	22°31	13°59	11° 3	19° 9	23°55	26°16	26°38	25°27	n.a.	F 12
S 13	22 59 11	12°51'01	1♒50	7°29	15° 3	15°33	22°35	14° 5	11° 4	19°11	23°55	26° 8	26°35	25°33	n.a.	S 13
S 14	23 3 7	13°50'45	14°35	8°18	16°17	15°53	22°38	14°11	11° 5	19°13	23°D55	25°58	26°32	25°40	n.a.	S 14
M15	23 7 4	14°50'32	27° 9	9° 4	17°31	16°14	22°42	14°18	11° 6	19°15	23°55	25°45	26°28	25°47	n.a.	M15
T 16	23 11 0	15°50'20	9♓33	9°45	18°45	16°35	22°46	14°24	11° 7	19°17	23°55	25°32	26°25	25°53	n.a.	T 16
W17	23 14 57	16°50'11	21°47	10°21	20° 0	16°57	22°50	14°31	11° 8	19°19	23°55	25°20	26°22	26° 0	n.a.	W17
T 18	23 18 53	17°50'03	3♈52	10°53	21°14	17°19	22°54	14°37	11° 9	19°21	23°55	25° 9	26°19	26° 7	n.a.	T 18
F 19	23 22 50	18°49'58	15°48	11°18	22°28	17°42	22°59	14°44	11°10	19°23	23°55	25° 0	26°16	26°13	n.a.	F 19
S 20	23 26 46	19°49'55	27°38	11°38	23°43	18° 4	23° 3	14°50	11°11	19°25	23°55	24°53	26°13	26°20	n.a.	S 20
S 21	23 30 43	20°49'54	9♉25	11°50	24°57	18°28	23° 8	14°57	11°12	19°27	23°56	24°50	26° 9	26°27	n.a.	S 21
M22	23 34 40	21°49'56	21°12	11°R55	26°11	18°52	23°13	15° 4	11°13	19°29	23°56	24°D48	26° 6	26°33	n.a.	M22
T 23	23 38 36	22°49'59	3♊ 5	11°52	27°26	19°16	23°18	15°10	11°15	19°31	23°56	24°48	26° 3	26°40	n.a.	T 23
W24	23 42 33	23°50'05	15° 7	11°41	28°40	19°41	23°24	15°17	11°16	19°33	23°56	24°49	26° 0	26°47	n.a.	W24
T 25	23 46 29	24°50'13	27°24	11°20	29°55	20° 6	23°29	15°24	11°17	19°35	23°57	24°R49	25°57	26°53	n.a.	T 25
F 26	23 50 26	25°50'24	10♋ 2	10°50	1♍10	20°31	23°35	15°31	11°19	19°37	23°57	24°48	25°54	27° 0	n.a.	F 26
S 27	23 54 22	26°50'37	23° 5	10°11	2°24	20°57	23°41	15°37	11°20	19°39	23°57	24°45	25°50	27° 7	n.a.	S 27
S 28	23 58 19	27°50'51	6♌36	9°22	3°39	21°23	23°47	15°44	11°22	19°40	23°58	24°40	25°47	27°13	n.a.	S 28
M29	0 2 15	28°51'08	20°37	8°25	4°54	21°50	23°53	15°51	11°23	19°42	23°58	24°32	25°44	27°20	n.a.	M29
T 30	0 6 12	29♍51'27	5♍ 6	7♎20	6♍ 9	22♏16	24♐ 0	15♎58	11♐25	19♌44	23♐59	24♉24	25♉41	27♈27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n18	21n54	4n51	0n48	1s40	21n 2	0n41	28s 1	4s50	24s 4	0s32	3s 2	2n18	22s35	0s11	16n31	1n 9	27s 9	3s31	19n49	19n49	6n55		n.a.
T 2	10 56	17 22	5 0	0 10	1 48	20 48	0 43	27 56	4 46	24 4	0 32	3 5	2 18	22 35	0 11	16 30	1 9	27 9	3 31	19 46	19 48	6 58		n.a.
W 3	10 35	11 44	4 50	0s27	1 55	20 34	0 46	27 50	4 42	24 5	0 32	3 7	2 18	22 35	0 11	16 29	1 9	27 9	3 31	19 44	19 48	7 1		n.a.
T 4	10 13	5 23	4 21	1 3	2 2	20 19	0 48	27 45	4 38	24 5	0 32	3 9	2 18	22 35	0 11	16 29	1 9	27 9	3 31	19 41	19 47	7 5		n.a.
F 5	9 51	1s16	3 34	1 38	2 9	20 3	0 51	27 40	4 34	24 5	0 32	3 12	2 18	22 35	0 11	16 28	1 9	27 9	3 31	19 39	19 46	7 8		n.a.
S 6	9 29	7 49	2 33	2 12	2 16	19 47	0 53	27 35	4 31	24 5	0 32	3 14	2 17	22 35	0 11	16 27	1 9	27 9	3 31	19 38	19 45	7 11		n.a.
S 7	9 6	13 53	1 23	2 46	2 22	19 30	0 55	27 29	4 27	24 5	0 32	3 17	2 17	22 35	0 11	16 27	1 9	27 9	3 31	19 37	19 45	7 14		n.a.
M 8	8 44	19 5	0 9	3 18	2 28	19 13	0 58	27 23	4 23	24 5	0 32	3 20	2 17	22 35	0 11	16 26	1 9	27 9	3 31	19 37	19 44	7 17		n.a.
T 9	8 21	23 8	1s 5	3 50	2 34	18 55	1 0	27 18	4 19	24 6	0 32	3 22	2 17	22 36	0 11	16 25	1 9	27 9	3 31	19 37	19 43	7 20		n.a.
W10	7 59	25 46	2 13	4 20	2 40	18 37	1 2	27 12	4 16	24 6	0 32	3 25	2 17	22 36	0 11	16 25	1 9	27 9	3 31	19 37	19 42	7 23		n.a.
T 11	7 36	26 51	3 12	4 48	2 46	18 18	1 4	27 6	4 12	24 6	0 32	3 27	2 17	22 36	0 11	16 24	1 9	27 9	3 31	19 37	19 42	7 27		n.a.
F 12	7 13	26 24	4 0	5 16	2 51	17 58	1 6	27 0	4 8	24 6	0 32	3 30	2 17	22 36	0 11	16 23	1 9	27 9	3 31	19 36	19 41	7 30		n.a.
S 13	6 50	24 30	4 35	5 41	2 55	17 38	1 8	26 55	4 5	24 6	0 32	3 32	2 16	22 36	0 11	16 23	1 9	27 9	3 31	19 34	19 40	7 33		n.a.
S 14	6 26	21 23	4 56	6 5	2 59	17 17	1 10	26 49	4 1	24 7	0 32	3 35	2 16	22 36	0 11	16 22	1 9	27 9	3 31	19 31	19 39	7 36		n.a.
M15	6 3	17 20	5 1	6 26	3 3	16 56	1 12	26 42	3 58	24 7	0 32	3 38	2 16	22 36	0 11	16 21	1 9	27 9	3 31	19 28	19 39	7 39		n.a.
T 16	5 40	12 36	4 53	6 45	3 6	16 35	1 13	26 36	3 54	24 7	0 32	3 40	2 16	22 36	0 11	16 21	1 9	27 9	3 31	19 25	19 38	7 42		n.a.
W17	5 16	7 26	4 30	7 2	3 8	16 13	1 15	26 30	3 50	24 7	0 32	3 43	2 16	22 37	0 11	16 20	1 9	27 9	3 31	19 22	19 37	7 45		n.a.
T 18	4 52	2 3	3 56	7 16	3 10	15 50	1 17	26 23	3 47	24 8	0 32	3 46	2 16	22 37	0 11	16 20	1 9	27 9	3 31	19 19	19 36	7 49		n.a.
F 19	4 29	3n21	3 12	7 27	3 11	15 27	1 18	26 17	3 44	24 8	0 32	3 48	2 16	22 37	0 11	16 19	1 9	27 9	3 31	19 17	19 36	7 52		n.a.
S 20	4 5	8 37	2 20	7 34	3 10	15 4	1 20	26 10	3 40	24 8	0 32	3 51	2 16	22 37	0 11	16 18	1 9	27 9	3 31	19 16	19 35	7 55		n.a.
S 21	3 41	13 33	1 21	7 38	3 9	14 40	1 21	26 4	3 37	24 8	0 32	3 54	2 15	22 37	0 11	16 18	1 10	27 9	3 31	19 15	19 34	7 58		n.a.
M22	3 17	18 0	0 19	7 38	3 6	14 15	1 23	25 57	3 33	24 9	0 32	3 56	2 15	22 37	0 11	16 17	1 10	27 9	3 31	19 14	19 33	8 1		n.a.
T 23	2 53	21 48	0n44	7 33	3 2	13 51	1 24	25 50	3 30	24 9	0 32	3 59	2 15	22 37	0 11	16 17	1 10	27 9	3 31	19 14	19 33	8 4		n.a.
W24	2 29	24 42	1 47	7 23	2 57	13 26	1 25	25 43	3 27	24 9	0 33	4 2	2 15	22 38	0 11	16 16	1 10	27 9	3 31	19 15	19 32	8 7		n.a.
T 25	2 5	26 31	2 45	7 9	2 50	13 0	1 26	25 36	3 23	24 10	0 33	4 4	2 15	22 38	0 11	16 15	1 10	27 9	3 31	19 15	19 31	8 11		n.a.
F 26	1 41	27 1	3 38	6 49	2 41	12 34	1 27	25 29	3 20	24 10	0 33	4 7	2 15	22 38	0 11	16 15	1 10	27 9	3 31	19 14	19 30	8 14		n.a.
S 27	1 16	26 3	4 21	6 23	2 31	12 8	1 28	25 22	3 17	24 10	0 33	4 10	2 15	22 38	0 11	16 14	1 10	27 9	3 31	19 14	19 29	8 17		n.a.
S 28	0 52	23 34	4 51	5 53	2 18	11 41	1 29	25 14	3 14	24 10	0 33	4 13	2 15	22 39	0 11	16 14	1 10	27 9	3 31	19 12	19 29	8 20		n.a.
M29	0 28	19 38	5 5	5 17	2 4	11 14	1 30	25 7	3 11	24 11	0 33	4 15	2 15	22 39	0 11	16 13	1 10	27 9	3 31	19 10	19 28	8 23		n.a.
T 30	0n 3	14n25	5n 1	4s36	1s48	10n47	1n31	24s59	3s 7	24s11	0s33	4s18	2n15	22s39	0s11	16n13	1n10	27s 9	3s31	19n 8	19n27	8n26		n.a.

Julian Day Number = 1467087.5, Delta T = 05h34m16s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'26, Lahiri = -13°34'25 Julian Calendar 1 Sept. 697 BCE == Greg. Calendar 25 Aug. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

OCTOBER 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 10 9	0♎51'48	19♍57	6°R 8	7♍23	22♉44	24♐ 6	16♎ 5	11♐27	19♑46	23♐59	24°R15	25♉38	27♈33	n.a.	W 1
T 2	0 14 5	1°52'11	5♎ 3	4♎52	8°38	23°11	24°13	16°12	11°28	19°48	24° 0	24♉ 7	25°34	27°40	n.a.	T 2
F 3	0 18 2	2°52'36	20°13	3°33	9°53	23°39	24°20	16°19	11°30	19°49	24° 0	24° 1	25°31	27°47	n.a.	F 3
S 4	0 21 58	3°53'02	5♏17	2°14	11° 8	24° 7	24°27	16°25	11°32	19°51	24° 1	23°57	25°28	27°53	n.a.	S 4
S 5	0 25 55	4°53'31	20° 7	0°58	12°23	24°36	24°34	16°32	11°34	19°53	24° 1	23°D56	25°25	28° 0	n.a.	S 5
M 6	0 29 51	5°54'00	4♐37	29♍47	13°38	25° 5	24°41	16°39	11°36	19°55	24° 2	23°56	25°22	28° 7	n.a.	M 6
T 7	0 33 48	6°54'31	18°44	28°42	14°53	25°34	24°49	16°46	11°38	19°56	24° 3	23°57	25°19	28°13	n.a.	T 7
W 8	0 37 44	7°55'04	2♑28	27°47	16° 8	26° 3	24°56	16°53	11°40	19°58	24° 3	23°R58	25°15	28°20	n.a.	W 8
T 9	0 41 41	8°55'38	15°50	27° 2	17°23	26°33	25° 4	17° 0	11°42	19°59	24° 4	23°58	25°12	28°27	n.a.	T 9
F 10	0 45 38	9°56'14	28°52	26°28	18°39	27° 3	25°12	17° 7	11°44	20° 1	24° 5	23°56	25° 9	28°33	n.a.	F 10
S 11	0 49 34	10°56'50	11♒37	26° 6	19°54	27°33	25°20	17°14	11°46	20° 3	24° 6	23°52	25° 6	28°40	n.a.	S 11
S 12	0 53 31	11°57'28	24° 9	25°D56	21° 9	28° 4	25°28	17°21	11°48	20° 4	24° 6	23°46	25° 3	28°47	n.a.	S 12
M13	0 57 27	12°58'08	6♓28	25°57	22°24	28°34	25°37	17°28	11°50	20° 6	24° 7	23°39	25° 0	28°53	n.a.	M13
T 14	1 1 24	13°58'48	18°38	26° 9	23°39	29° 5	25°45	17°35	11°53	20° 7	24° 8	23°32	24°56	29° 0	n.a.	T 14
W15	1 5 20	14°59'31	0♈40	26°31	24°54	29°37	25°54	17°43	11°55	20° 9	24° 9	23°24	24°53	29° 7	n.a.	W15
T 16	1 9 17	16° 0'14	12°36	27° 2	26°10	0♒ 8	26° 3	17°50	11°57	20°10	24°10	23°17	24°50	29°13	n.a.	T 16
F 17	1 13 13	17° 0'59	24°27	27°41	27°25	0°40	26°12	17°57	12° 0	20°12	24°11	23°12	24°47	29°20	n.a.	F 17
S 18	1 17 10	18° 1'46	6♉15	28°28	28°40	1°11	26°21	18° 4	12° 2	20°13	24°12	23° 9	24°44	29°27	n.a.	S 18
S 19	1 21 7	19° 2'34	18° 3	29°21	29°56	1°43	26°30	18°11	12° 4	20°14	24°13	23°D 7	24°40	29°33	n.a.	S 19
M20	1 25 3	20° 3'24	29°52	0♎19	1♎11	2°16	26°39	18°18	12° 7	20°16	24°14	23° 7	24°37	29°40	n.a.	M20
T 21	1 29 0	21° 4'15	11♊47	1°23	2°26	2°48	26°48	18°25	12° 9	20°17	24°15	23° 9	24°34	29°47	n.a.	T 21
W22	1 32 56	22° 5'08	23°51	2°31	3°42	3°21	26°58	18°32	12°12	20°18	24°16	23°10	24°31	29°53	n.a.	W22
T 23	1 36 53	23° 6'02	6♋ 8	3°42	4°57	3°54	27° 8	18°39	12°15	20°19	24°17	23°12	24°28	29°59	n.a.	T 23
F 24	1 40 49	24° 6'58	18°43	4°57	6°13	4°27	27°17	18°46	12°17	20°21	24°18	23°R13	24°25	0♉ 7	n.a.	F 24
S 25	1 44 46	25° 7'55	1♌40	6°15	7°28	5° 0	27°27	18°53	12°20	20°22	24°19	23°13	24°21	0°13	n.a.	S 25
S 26	1 48 42	26° 8'54	15° 2	7°35	8°43	5°33	27°37	19° 0	12°23	20°23	24°20	23°12	24°18	0°20	n.a.	S 26
M27	1 52 39	27° 9'55	28°53	8°56	9°59	6° 7	27°48	19° 7	12°25	20°24	24°21	23° 9	24°15	0°27	n.a.	M27
T 28	1 56 36	28°10'56	13♍12	10°20	11°14	6°40	27°58	19°14	12°28	20°25	24°23	23° 6	24°12	0°33	n.a.	T 28
W29	2 0 32	29°11'59	27°56	11°45	12°30	7°14	28° 8	19°21	12°31	20°26	24°24	23° 2	24° 9	0°40	n.a.	W29
T 30	2 4 29	0♏13'03	12♎59	13°11	13°45	7°48	28°19	19°28	12°34	20°27	24°25	22°59	24° 5	0°47	n.a.	T 30
F 31	2 8 25	1♏14'08	28♎13	14♎38	15♎ 1	8♒22	28♐29	19♎35	12♐37	20♑28	24♐26	22♉57	24♉ 2	0♉53	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	0s21	8n15	4n36	3s51	1s30	10n19	1n31	24s52	3s 4	24s11	0s33	4s21	2n15	22s39	0s11	16n12	1n10	27s 9	3s31	19n 6	19n26	8n29			n.a.
T 2	0 45	1 30	3 52	3 3	1 11	9 52	1 32	24 44	3 1	24 12	0 33	4 23	2 15	22 39	0 11	16 11	1 10	27 9	3 31	19 4	19 26	8 33			n.a.
F 3	1 10	5s22	2 51	2 13	0 51	9 23	1 32	24 36	2 58	24 12	0 33	4 26	2 14	22 40	0 11	16 11	1 10	27 9	3 31	19 3	19 25	8 36			n.a.
S 4	1 34	11 55	1 39	1 22	0 31	8 55	1 33	24 28	2 55	24 12	0 33	4 29	2 14	22 40	0 11	16 10	1 10	27 9	3 31	19 2	19 24	8 39			n.a.
S 5	1 58	17 42	0 21	0 32	0 10	8 26	1 33	24 20	2 52	24 13	0 33	4 32	2 14	22 40	0 11	16 10	1 10	27 9	3 31	19 1	19 23	8 42			n.a.
M 6	2 23	22 18	0s57	0n15	0n11	7 57	1 33	24 12	2 49	24 13	0 33	4 34	2 14	22 40	0 11	16 9	1 10	27 9	3 31	19 1	19 23	8 45			n.a.
T 7	2 47	25 27	2 10	0 59	0 30	7 28	1 34	24 3	2 47	24 13	0 33	4 37	2 14	22 41	0 11	16 9	1 10	27 9	3 31	19 2	19 22	8 48			n.a.
W 8	3 11	26 58	3 13	1 38	0 49	6 59	1 34	23 55	2 44	24 14	0 33	4 40	2 14	22 41	0 11	16 8	1 10	27 9	3 30	19 2	19 21	8 51			n.a.
T 9	3 35	26 52	4 4	2 12	1 6	6 29	1 34	23 46	2 41	24 14	0 33	4 43	2 14	22 41	0 11	16 8	1 10	27 9	3 30	19 2	19 20	8 54			n.a.
F 10	3 59	25 15	4 40	2 39	1 21	5 59	1 34	23 38	2 38	24 14	0 33	4 45	2 14	22 42	0 11	16 7	1 10	27 9	3 30	19 1	19 19	8 58			n.a.
S 11	4 24	22 22	5 2	3 1	1 34	5 29	1 34	23 29	2 35	24 15	0 33	4 48	2 14	22 42	0 11	16 7	1 10	27 9	3 30	19 0	19 19	9 1			n.a.
S 12	4 48	18 31	5 9	3 15	1 46	4 59	1 34	23 20	2 32	24 15	0 33	4 51	2 14	22 42	0 11	16 7	1 10	27 9	3 30	18 59	19 18	9 4			n.a.
M13	5 12	13 55	5 2	3 24	1 56	4 29	1 33	23 11	2 30	24 15	0 33	4 54	2 14	22 42	0 11	16 6	1 10	27 9	3 30	18 57	19 17	9 7			n.a.
T 14	5 35	8 51	4 40	3 27	2 4	3 59	1 33	23 2	2 27	24 16	0 33	4 56	2 14	22 43	0 11	16 6	1 10	27 9	3 30	18 55	19 16	9 10			n.a.
W15	5 59	3 30	4 7	3 24	2 11	3 28	1 33	22 52	2 24	24 16	0 33	4 59	2 14	22 43	0 11	16 5	1 10	27 9	3 30	18 53	19 16	9 13			n.a.
T 16	6 23	1n56	3 23	3 16	2 15	2 57	1 32	22 43	2 22	24 16	0 33	5 2	2 14	22 43	0 11	16 5	1 10	27 9	3 30	18 52	19 15	9 16			n.a.
F 17	6 47	7 17	2 30	3 3	2 19	2 27	1 32	22 34	2 19	24 17	0 33	5 5	2 14	22 44	0 11	16 4	1 10	27 9	3 30	18 50	19 14	9 19			n.a.
S 18	7 10	12 22	1 31	2 46	2 21	1 56	1 31	22 24	2 17	24 17	0 33	5 7	2 14	22 44	0 11	16 4	1 11	27 9	3 30	18 49	19 13	9 23			n.a.
S 19	7 34	17 0	0 28	2 26	2 22	1 25	1 31	22 14	2 14	24 17	0 33	5 10	2 14	22 44	0 11	16 4	1 11	27 9	3 30	18 49	19 12	9 26			n.a.
M20	7 57	21 1	0n37	2 2	2 22	0 54	1 30	22 4	2 12	24 17	0 33	5 13	2 14	22 45	0 11	16 3	1 11	27 9	3 30	18 49	19 12	9 29			n.a.
T 21	8 20	24 11	1 41	1 36	2 21	0 23	1 29	21 54	2 9	24 18	0 33	5 16	2 14	22 45	0 11	16 3	1 11	27 9	3 30	18 49	19 11	9 32			n.a.
W22	8 43	26 19	2 41	1 7	2 19	0s 8	1 29	21 44	2 7	24 18	0 33	5 18	2 14	22 45	0 11	16 2	1 11	27 9	3 30	18 50	19 10	9 35			n.a.
T 23	9 6	27 12	3 34	0 36	2 17	0 39	1 28	21 34	2 4	24 18	0 33	5 21	2 14	22 46	0 11	16 2	1 11	27 9	3 30	18 50	19 9	9 38			n.a.
F 24	9 29	26 44	4 19	0 3	2 14	1 11	1 27	21 24	2 2	24 18	0 33	5 24	2 14	22 46	0 11	16 2	1 11	27 9	3 30	18 51	19 9	9 41			n.a.
S 25	9 52	24 49	4 53	0s32	2 10	1 42	1 26	21 13	1 59	24 19	0 33	5 26	2 14	22 46	0 11	16 1	1 11	27 10	3 30	18 51	19 8	9 44			n.a.
S 26	10 14	21 30	5 11	1 8	2 5	2 13	1 25	21 2	1 57	24 19	0 33	5 29	2 14	22 47	0 11	16 1	1 11	27 10	3 30	18 50	19 7	9 47			n.a.
M27	10 37	16 54	5 13	1 45	2 1	2 44	1 24	20 52	1 55	24 19	0 33	5 32	2 14	22 47	0 11	16 1	1 11	27 10	3 30	18 50	19 6	9 51			n.a.
T 28	10 59	11 14	4 55	2 23	1 56	3 15	1 22	20 41	1 52	24 19	0 33	5 34	2 14	22 48	0 11	16 0	1 11	27 10	3 30	18 49	19 5	9 54			n.a.
W29	11 21	4 46	4 18	3 1	1 50	3 46	1 21	20 30	1 50	24 19	0 33	5 37	2 14	22 48	0 11	16 0	1 11	27 10	3 30	18 48	19 5	9 57			n.a.
T 30	11 43	2s 6	3 23	3 41	1 44	4 17	1 20	20 19	1 48	24 20	0 33	5 40	2 14	22 48	0 11	16 0	1 11	27 10	3 30	18 47	19 4	10 0			n.a.
F 31	12s 4	8s56	2n12	4s20	1n39	4s48	1n18	20s 8	1s46	24s20	0s33	5s42	2n14	22s49	0s11	16n 0	1n11	27s10	3s30	18n46	19n 3	10n 3			n.a.

Julian Day Number = 1467117.5, Delta T = 05h34m14s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'21, Lahiri = -13°34'21 Julian Calendar 1 Oct. 697 BCE == Greg. Calendar 24 Sept. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

NOVEMBER 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 12 22	2♏15'15	13♏28	16♎ 6	16♎16	8♒57	28♐40	19♎42	12♐39	20♑29	24♐28	22°R55	23♉59	1♉ 0	n.a.	S 1
S 2	2 16 18	3°16'22	28°33	17°35	17°32	9°31	28°51	19°49	12°42	20°30	24°29	22°D55	23°56	1° 7	n.a.	S 2
M 3	2 20 15	4°17'30	13♐21	19° 4	18°47	10° 6	29° 2	19°56	12°45	20°31	24°30	22♉56	23°53	1°13	n.a.	M 3
T 4	2 24 11	5°18'39	27°44	20°34	20° 3	10°41	29°13	20° 3	12°48	20°32	24°32	22°57	23°50	1°20	n.a.	T 4
W 5	2 28 8	6°19'48	11♑42	22° 4	21°19	11°16	29°24	20° 9	12°51	20°33	24°33	22°59	23°46	1°27	n.a.	W 5
T 6	2 32 5	7°20'58	25°12	23°35	22°34	11°51	29°35	20°16	12°54	20°34	24°34	23° 0	23°43	1°33	n.a.	T 6
F 7	2 36 1	8°22'09	8♒18	25° 6	23°50	12°26	29°46	20°23	12°57	20°35	24°36	23°R 0	23°40	1°40	n.a.	F 7
S 8	2 39 58	9°23'19	21° 2	26°37	25° 5	13° 1	29°58	20°30	13° 1	20°35	24°37	23° 0	23°37	1°46	n.a.	S 8
S 9	2 43 54	10°24'31	3♓28	28° 9	26°21	13°36	0♑ 9	20°37	13° 4	20°36	24°39	22°59	23°34	1°53	n.a.	S 9
M10	2 47 51	11°25'42	15°39	29°41	27°36	14°12	0°21	20°44	13° 7	20°37	24°40	22°57	23°31	2° 0	n.a.	M10
T 11	2 51 47	12°26'54	27°40	1♏13	28°52	14°48	0°33	20°50	13°10	20°37	24°42	22°56	23°27	2° 6	n.a.	T 11
W12	2 55 44	13°28'06	9♈34	2°45	0♏ 7	15°23	0°45	20°57	13°13	20°38	24°43	22°54	23°24	2°13	n.a.	W12
T 13	2 59 40	14°29'19	21°24	4°17	1°23	15°59	0°56	21° 4	13°16	20°39	24°45	22°53	23°21	2°20	n.a.	T 13
F 14	3 3 37	15°30'32	3♉12	5°50	2°38	16°35	1° 8	21°10	13°20	20°39	24°46	22°52	23°18	2°26	n.a.	F 14
S 15	3 7 34	16°31'45	15° 1	7°23	3°54	17°11	1°20	21°17	13°23	20°40	24°48	22°51	23°15	2°33	n.a.	S 15
S 16	3 11 30	17°32'59	26°53	8°56	5° 9	17°47	1°33	21°23	13°26	20°40	24°50	22°D51	23°11	2°40	n.a.	S 16
M17	3 15 27	18°34'13	8♊50	10°29	6°25	18°23	1°45	21°30	13°30	20°41	24°51	22°52	23° 8	2°46	n.a.	M17
T 18	3 19 23	19°35'28	20°53	12° 2	7°41	19° 0	1°57	21°37	13°33	20°41	24°53	22°52	23° 5	2°53	n.a.	T 18
W19	3 23 20	20°36'43	3♋ 6	13°36	8°56	19°36	2° 9	21°43	13°36	20°41	24°54	22°52	23° 2	3° 0	n.a.	W19
T 20	3 27 16	21°37'59	15°31	15° 9	10°12	20°12	2°22	21°49	13°40	20°42	24°56	22°52	22°59	3° 6	n.a.	T 20
F 21	3 31 13	22°39'15	28°10	16°43	11°27	20°49	2°34	21°56	13°43	20°42	24°58	22°R53	22°56	3°13	n.a.	F 21
S 22	3 35 10	23°40'32	11♌ 7	18°17	12°43	21°26	2°47	22° 2	13°46	20°42	24°59	22°53	22°52	3°20	n.a.	S 22
S 23	3 39 6	24°41'49	24°24	19°52	13°58	22° 2	3° 0	22° 9	13°50	20°43	25° 1	22°D52	22°49	3°26	n.a.	S 23
M24	3 43 3	25°43'06	8♍ 3	21°27	15°14	22°39	3°12	22°15	13°53	20°43	25° 3	22°53	22°46	3°33	n.a.	M24
T 25	3 46 59	26°44'24	22° 6	23° 2	16°29	23°16	3°25	22°21	13°57	20°43	25° 5	22°53	22°43	3°40	n.a.	T 25
W26	3 50 56	27°45'41	6♎31	24°37	17°45	23°53	3°38	22°27	14° 0	20°43	25° 6	22°53	22°40	3°46	n.a.	W26
T 27	3 54 52	28°47'00	21°15	26°12	19° 0	24°30	3°51	22°33	14° 3	20°43	25° 8	22°54	22°37	3°53	n.a.	T 27
F 28	3 58 49	29°48'18	6♏14	27°48	20°16	25° 7	4° 4	22°40	14° 7	20°43	25°10	22°54	22°33	4° 0	n.a.	F 28
S 29	4 2 45	0♐49'36	21°20	29°24	21°31	25°44	4°17	22°46	14°10	20°R43	25°12	22°R54	22°30	4° 6	n.a.	S 29
S 30	4 6 42	1♐50'55	6♐23	1♐ 1	22♏47	26♒21	4♑30	22♎52	14♐14	20♑43	25♐13	22♉54	22♉27	4♉13	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s26	15s17	0n52	5s 0	1n32	5s18	1n17	19s56	1s44	24s20	0s33	5s45	2n14	22s49	0s11	15n59	1n11	27s10	3s30	18n46	19n 2	10n 6		n.a.
S 2	12 47	20 38	0s31	5 40	1 26	5 49	1 16	19 45	1 41	24 20	0 33	5 48	2 14	22 49	0 11	15 59	1 11	27 10	3 30	18 46	19 1	10 9		n.a.
M 3	13 8	24 33	1 51	6 21	1 19	6 19	1 14	19 33	1 39	24 20	0 33	5 50	2 14	22 50	0 11	15 59	1 11	27 10	3 30	18 46	19 1	10 12		n.a.
T 4	13 29	26 47	3 1	7 1	1 13	6 50	1 12	19 22	1 37	24 20	0 34	5 53	2 14	22 50	0 11	15 59	1 11	27 10	3 30	18 46	19 0	10 15		n.a.
W 5	13 49	27 13	3 58	7 42	1 6	7 20	1 11	19 10	1 35	24 20	0 34	5 55	2 14	22 51	0 11	15 58	1 11	27 10	3 30	18 47	18 59	10 18		n.a.
T 6	14 10	25 59	4 40	8 22	0 59	7 50	1 9	18 58	1 33	24 20	0 34	5 58	2 14	22 51	0 11	15 58	1 11	27 10	3 30	18 47	18 58	10 22		n.a.
F 7	14 30	23 22	5 6	9 2	0 52	8 20	1 7	18 46	1 31	24 20	0 34	6 1	2 14	22 51	0 11	15 58	1 11	27 10	3 30	18 47	18 57	10 25		n.a.
S 8	14 50	19 41	5 17	9 42	0 46	8 50	1 6	18 34	1 29	24 20	0 34	6 3	2 14	22 52	0 11	15 58	1 12	27 10	3 30	18 47	18 57	10 28		n.a.
S 9	15 9	15 12	5 12	10 22	0 39	9 19	1 4	18 22	1 27	24 21	0 34	6 6	2 14	22 52	0 11	15 57	1 12	27 10	3 30	18 47	18 56	10 31		n.a.
M10	15 28	10 13	4 52	11 1	0 32	9 48	1 2	18 9	1 25	24 21	0 34	6 8	2 14	22 53	0 11	15 57	1 12	27 10	3 30	18 46	18 55	10 34		n.a.
T 11	15 48	4 55	4 21	11 41	0 25	10 17	1 0	17 57	1 23	24 21	0 34	6 11	2 14	22 53	0 11	15 57	1 12	27 11	3 30	18 46	18 54	10 37		n.a.
W12	16 6	0n31	3 38	12 19	0 18	10 46	0 58	17 44	1 21	24 21	0 34	6 13	2 14	22 53	0 11	15 57	1 12	27 11	3 30	18 46	18 53	10 40		n.a.
T 13	16 25	5 54	2 46	12 58	0 11	11 15	0 56	17 32	1 19	24 20	0 34	6 16	2 14	22 54	0 11	15 57	1 12	27 11	3 30	18 45	18 53	10 43		n.a.
F 14	16 43	11 5	1 47	13 35	0 4	11 43	0 54	17 19	1 17	24 20	0 34	6 18	2 14	22 54	0 11	15 57	1 12	27 11	3 30	18 45	18 52	10 46		n.a.
S 15	17 1	15 53	0 43	14 13	0s 3	12 11	0 52	17 6	1 15	24 20	0 34	6 21	2 14	22 55	0 11	15 57	1 12	27 11	3 30	18 45	18 51	10 49		n.a.
S 16	17 19	20 6	0n22	14 49	0 9	12 38	0 50	16 53	1 14	24 20	0 34	6 23	2 15	22 55	0 11	15 57	1 12	27 11	3 30	18 45	18 50	10 52		n.a.
M17	17 36	23 32	1 28	15 26	0 16	13 6	0 48	16 40	1 12	24 20	0 34	6 25	2 15	22 55	0 11	15 56	1 12	27 11	3 30	18 45	18 49	10 55		n.a.
T 18	17 53	25 57	2 30	16 1	0 22	13 33	0 46	16 27	1 10	24 20	0 34	6 28	2 15	22 56	0 11	15 56	1 12	27 11	3 31	18 45	18 48	10 59		n.a.
W19	18 9	27 10	3 26	16 36	0 29	13 59	0 44	16 14	1 8	24 20	0 34	6 30	2 15	22 56	0 11	15 56	1 12	27 11	3 31	18 45	18 48	11 2		n.a.
T 20	18 26	27 3	4 13	17 10	0 35	14 26	0 42	16 0	1 7	24 20	0 34	6 32	2 15	22 57	0 11	15 56	1 12	27 11	3 31	18 45	18 47	11 5		n.a.
F 21	18 42	25 32	4 49	17 44	0 41	14 52	0 39	15 47	1 5	24 19	0 34	6 35	2 15	22 57	0 11	15 56	1 12	27 11	3 31	18 45	18 46	11 8		n.a.
S 22	18 57	22 40	5 11	18 17	0 47	15 17	0 37	15 33	1 3	24 19	0 34	6 37	2 15	22 58	0 11	15 56	1 12	27 12	3 31	18 45	18 45	11 11		n.a.
S 23	19 13	18 33	5 18	18 49	0 53	15 42	0 35	15 20	1 1	24 19	0 34	6 39	2 15	22 58	0 11	15 56	1 12	27 12	3 31	18 45	18 44	11 14		n.a.
M24	19 28	13 24	5 7	19 20	0 59	16 7	0 33	15 6	1 0	24 19	0 34	6 42	2 15	22 58	0 11	15 56	1 12	27 12	3 31	18 45	18 44	11 17		n.a.
T 25	19 42	7 25	4 38	19 50	1 5	16 31	0 30	14 52	0 58	24 18	0 34	6 44	2 15	22 59	0 11	15 56	1 12	27 12	3 31	18 45	18 43	11 20		n.a.
W26	19 57	0 54	3 50	20 19	1 10	16 55	0 28	14 38	0 56	24 18	0 34	6 46	2 15	22 59	0 11	15 56	1 12	27 12	3 31	18 45	18 42	11 23		n.a.
T 27	20 10	5s50	2 47	20 48	1 15	17 19	0 26	14 24	0 55	24 18	0 34	6 48	2 15	23 0	0 11	15 56	1 12	27 12	3 31	18 46	18 41	11 26		n.a.
F 28	20 24	12 21	1 31	21 15	1 20	17 42	0 23	14 10	0 53	24 18	0 34	6 51	2 16	23 0	0 11	15 56	1 13	27 12	3 31	18 46	18 40	11 29		n.a.
S 29	20 37	18 12	0 9	21 42	1 25	18 4	0 21	13 56	0 52	24 17	0 35	6 53	2 16	23 1	0 11	15 56	1 13	27 12	3 31	18 46	18 39	11 32		n.a.
S 30	20s50	22s54	1s14	22s 7	1s30	18s26	0n18	13s42	0s50	24s17	0s35	6s55	2n16	23s 1	0s11	15n56	1n13	27s12	3s31	18n46	18n39	11n35		n.a.

Julian Day Number = 1467148.5, Delta T = 05h34m13s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'17, Lahiri = -13°34'17 Julian Calendar 1 Nov. 697 BCE == Greg. Calendar 25 Oct. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 697 BCE
geocentric

DECEMBER 697 BCE (-696) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 10 39	2♐52'13	21♐14	2♐38	24♏ 2	26♒58	4♑43	22♎58	14♐17	20°R43	25♐15	22°R54	22♉24	4♉20	n.a.	M 1
T 2	4 14 35	3°53'31	5♑47	4°15	25°18	27°36	4°56	23° 4	14°21	20♌43	25°17	22♉52	22°21	4°26	n.a.	T 2
W 3	4 18 32	4°54'48	19°56	5°53	26°33	28°13	5°10	23° 9	14°25	20°43	25°19	22°51	22°17	4°33	n.a.	W 3
T 4	4 22 28	5°56'05	3♒38	7°31	27°49	28°50	5°23	23°15	14°28	20°43	25°21	22°49	22°14	4°40	n.a.	T 4
F 5	4 26 25	6°57'21	16°53	9° 9	29° 4	29°28	5°37	23°21	14°32	20°43	25°23	22°48	22°11	4°46	n.a.	F 5
S 6	4 30 21	7°58'36	29°42	10°48	0♐20	0♓ 5	5°50	23°27	14°35	20°43	25°24	22°47	22° 8	4°53	n.a.	S 6
S 7	4 34 18	8°59'51	12♓10	12°28	1°35	0°43	6° 3	23°32	14°39	20°42	25°26	22°D47	22° 5	4°59	n.a.	S 7
M 8	4 38 15	10° 1'05	24°21	14° 7	2°51	1°21	6°17	23°38	14°42	20°42	25°28	22°47	22° 2	5° 6	n.a.	M 8
T 9	4 42 11	11° 2'18	6♈20	15°48	4° 6	1°58	6°31	23°43	14°46	20°42	25°30	22°49	21°58	5°13	n.a.	T 9
W10	4 46 8	12° 3'30	18°10	17°28	5°21	2°36	6°44	23°49	14°49	20°41	25°32	22°50	21°55	5°19	n.a.	W10
T 11	4 50 4	13° 4'42	29°57	19° 9	6°37	3°14	6°58	23°54	14°53	20°41	25°34	22°52	21°52	5°26	n.a.	T 11
F 12	4 54 1	14° 5'53	11♉45	20°50	7°52	3°52	7°12	24° 0	14°56	20°41	25°36	22°53	21°49	5°33	n.a.	F 12
S 13	4 57 57	15° 7'03	23°37	22°32	9° 8	4°29	7°25	24° 5	15° 0	20°40	25°38	22°R54	21°46	5°39	n.a.	S 13
S 14	5 1 54	16° 8'12	5♊36	24°14	10°23	5° 7	7°39	24°10	15° 4	20°40	25°39	22°53	21°43	5°46	n.a.	S 14
M15	5 5 50	17° 9'20	17°43	25°56	11°38	5°45	7°53	24°15	15° 7	20°39	25°41	22°51	21°39	5°53	n.a.	M15
T 16	5 9 47	18°10'28	0♋ 1	27°38	12°54	6°23	8° 7	24°20	15°11	20°39	25°43	22°48	21°36	5°59	n.a.	T 16
W17	5 13 44	19°11'35	12°30	29°21	14° 9	7° 1	8°21	24°25	15°14	20°38	25°45	22°44	21°33	6° 6	n.a.	W17
T 18	5 17 40	20°12'41	25°12	1♑ 3	15°24	7°39	8°35	24°30	15°18	20°37	25°47	22°39	21°30	6°13	n.a.	T 18
F 19	5 21 37	21°13'46	8♌ 7	2°45	16°40	8°17	8°49	24°35	15°21	20°37	25°49	22°34	21°27	6°19	n.a.	F 19
S 20	5 25 33	22°14'51	21°15	4°27	17°55	8°55	9° 3	24°40	15°25	20°36	25°51	22°30	21°23	6°26	n.a.	S 20
S 21	5 29 30	23°15'55	4♍37	6° 9	19°10	9°33	9°17	24°45	15°29	20°35	25°53	22°27	21°20	6°33	n.a.	S 21
M22	5 33 26	24°16'58	18°14	7°50	20°26	10°11	9°31	24°50	15°32	20°35	25°55	22°D26	21°17	6°39	n.a.	M22
T 23	5 37 23	25°18'00	2♎ 6	9°29	21°41	10°50	9°45	24°54	15°36	20°34	25°57	22°26	21°14	6°46	n.a.	T 23
W24	5 41 19	26°19'02	16°14	11° 8	22°56	11°28	9°59	24°59	15°39	20°33	25°59	22°27	21°11	6°53	n.a.	W24
T 25	5 45 16	27°20'03	0♏36	12°45	24°11	12° 6	10°13	25° 3	15°43	20°32	26° 1	22°28	21° 8	6°59	n.a.	T 25
F 26	5 49 13	28°21'03	15° 9	14°20	25°27	12°44	10°27	25° 8	15°46	20°31	26° 3	22°R30	21° 4	7° 6	n.a.	F 26
S 27	5 53 9	29°22'02	29°50	15°52	26°42	13°22	10°42	25°12	15°50	20°31	26° 4	22°30	21° 1	7°12	n.a.	S 27
S 28	5 57 6	0♑23'00	14♐33	17°22	27°57	14° 1	10°56	25°16	15°53	20°30	26° 6	22°28	20°58	7°19	n.a.	S 28
M29	6 1 2	1°23'57	29°11	18°48	29°12	14°39	11°10	25°20	15°57	20°29	26° 8	22°24	20°55	7°26	n.a.	M29
T 30	6 4 59	2°24'52	13♑37	20°10	0♑28	15°17	11°24	25°24	16° 0	20°28	26°10	22°18	20°52	7°32	n.a.	T 30
W31	6 8 55	3♑25'47	27♑44	21♑27	1♑43	15♓56	11♑38	25♎28	16♐ 4	20♌27	26♐12	22♉12	20♉49	7♉39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	21s 2	26s 0	2s31	22s31	1s34	18s47	0n16	13s27	0s49	24s16	0s35	6s57	2n16	23s 1	0s11	15n56	1n13	27s12	3s31	18n46	18n38	11n38			n.a.
T 2	21 14	27 15	3 36	22 55	1 38	19 8	0 14	13 13	0 47	24 16	0 35	6 59	2 16	23 2	0 11	15 56	1 13	27 13	3 31	18 45	18 37	11 41			n.a.
W 3	21 25	26 40	4 26	23 16	1 42	19 29	0 11	12 58	0 45	24 15	0 35	7 1	2 16	23 2	0 11	15 56	1 13	27 13	3 31	18 45	18 36	11 44			n.a.
T 4	21 36	24 28	4 59	23 37	1 46	19 49	0 9	12 44	0 44	24 15	0 35	7 3	2 16	23 3	0 11	15 56	1 13	27 13	3 31	18 44	18 35	11 47			n.a.
F 5	21 47	21 0	5 15	23 56	1 49	20 8	0 7	12 29	0 43	24 14	0 35	7 5	2 16	23 3	0 11	15 57	1 13	27 13	3 31	18 44	18 35	11 51			n.a.
S 6	21 57	16 38	5 15	24 14	1 52	20 27	0 4	12 14	0 41	24 14	0 35	7 7	2 16	23 3	0 11	15 57	1 13	27 13	3 31	18 44	18 34	11 54			n.a.
S 7	22 7	11 41	4 59	24 31	1 55	20 45	0 2	11 59	0 40	24 13	0 35	7 9	2 17	23 4	0 11	15 57	1 13	27 13	3 31	18 44	18 33	11 57			n.a.
M 8	22 16	6 24	4 30	24 46	1 57	21 2	0s 1	11 45	0 38	24 13	0 35	7 11	2 17	23 4	0 11	15 57	1 13	27 13	3 31	18 44	18 32	12 0			n.a.
T 9	22 25	0 58	3 50	24 59	1 59	21 19	0 3	11 30	0 37	24 12	0 35	7 13	2 17	23 5	0 11	15 57	1 13	27 13	3 31	18 44	18 31	12 3			n.a.
W10	22 34	4n27	3 0	25 11	2 1	21 35	0 5	11 15	0 35	24 11	0 35	7 15	2 17	23 5	0 11	15 57	1 13	27 13	3 31	18 45	18 30	12 6			n.a.
T 11	22 42	9 42	2 3	25 22	2 2	21 51	0 8	11 0	0 34	24 11	0 35	7 17	2 17	23 6	0 11	15 57	1 13	27 14	3 31	18 45	18 30	12 9			n.a.
F 12	22 49	14 37	1 1	25 30	2 3	22 6	0 10	10 44	0 33	24 10	0 35	7 19	2 17	23 6	0 11	15 58	1 13	27 14	3 32	18 45	18 29	12 12			n.a.
S 13	22 56	19 1	0n 4	25 37	2 4	22 20	0 13	10 29	0 31	24 9	0 35	7 21	2 17	23 6	0 11	15 58	1 13	27 14	3 32	18 46	18 28	12 15			n.a.
S 14	23 3	22 41	1 10	25 42	2 3	22 34	0 15	10 14	0 30	24 9	0 35	7 23	2 18	23 7	0 11	15 58	1 13	27 14	3 32	18 45	18 27	12 18			n.a.
M15	23 9	25 24	2 13	25 46	2 3	22 47	0 17	9 59	0 29	24 8	0 35	7 24	2 18	23 7	0 11	15 58	1 13	27 14	3 32	18 45	18 26	12 21			n.a.
T 16	23 15	26 57	3 10	25 47	2 2	23 0	0 20	9 43	0 27	24 7	0 36	7 26	2 18	23 8	0 11	15 58	1 13	27 14	3 32	18 44	18 25	12 24			n.a.
W17	23 20	27 10	4 0	25 47	2 0	23 11	0 22	9 28	0 26	24 6	0 36	7 28	2 18	23 8	0 11	15 59	1 13	27 14	3 32	18 43	18 25	12 27			n.a.
T 18	23 25	25 57	4 38	25 44	1 58	23 22	0 24	9 12	0 25	24 5	0 36	7 29	2 18	23 8	0 11	15 59	1 14	27 15	3 32	18 42	18 24	12 30			n.a.
F 19	23 29	23 22	5 3	25 40	1 55	23 32	0 26	8 57	0 24	24 5	0 36	7 31	2 18	23 9	0 11	15 59	1 14	27 15	3 32	18 41	18 23	12 33			n.a.
S 20	23 33	19 33	5 13	25 34	1 51	23 42	0 29	8 41	0 22	24 4	0 36	7 33	2 18	23 9	0 11	15 59	1 14	27 15	3 32	18 39	18 22	12 36			n.a.
S 21	23 36	14 41	5 6	25 25	1 47	23 51	0 31	8 25	0 21	24 3	0 36	7 34	2 19	23 10	0 11	16 0	1 14	27 15	3 32	18 39	18 21	12 39			n.a.
M22	23 39	9 2	4 42	25 15	1 42	23 59	0 33	8 10	0 20	24 2	0 36	7 36	2 19	23 10	0 11	16 0	1 14	27 15	3 32	18 38	18 20	12 42			n.a.
T 23	23 42	2 50	4 1	25 2	1 36	24 6	0 35	7 54	0 19	24 1	0 36	7 37	2 19	23 10	0 11	16 0	1 14	27 15	3 32	18 38	18 19	12 45			n.a.
W24	23 44	3s38	3 5	24 48	1 30	24 13	0 37	7 38	0 18	24 0	0 36	7 39	2 19	23 11	0 11	16 1	1 14	27 15	3 32	18 39	18 19	12 48			n.a.
T 25	23 45	10 1	1 57	24 32	1 23	24 18	0 39	7 22	0 16	23 59	0 36	7 40	2 19	23 11	0 11	16 1	1 14	27 15	3 32	18 39	18 18	12 51			n.a.
F 26	23 46	15 59	0 40	24 14	1 14	24 24	0 42	7 6	0 15	23 58	0 36	7 42	2 19	23 12	0 11	16 1	1 14	27 16	3 33	18 39	18 17	12 54			n.a.
S 27	23 47	21 3	0s40	23 54	1 5	24 28	0 44	6 51	0 14	23 57	0 36	7 43	2 20	23 12	0 11	16 1	1 14	27 16	3 33	18 39	18 16	12 57			n.a.
S 28	23 47	24 49	1 57	23 33	0 55	24 31	0 46	6 35	0 13	23 56	0 36	7 45	2 20	23 12	0 11	16 2	1 14	27 16	3 33	18 39	18 15	13 0			n.a.
M29	23 46	26 53	3 6	23 11	0 45	24 34	0 48	6 19	0 12	23 55	0 36	7 46	2 20	23 13	0 11	16 2	1 14	27 16	3 33	18 38	18 14	13 3			n.a.
T 30	23 45	27 5	4 2	22 47	0 33	24 36	0 50	6 3	0 11	23 53	0 37	7 47	2 20	23 13	0 11	16 3	1 14	27 16	3 33	18 36	18 14	13 6			n.a.
W31	23s44	25s31	4s42	22s22	0s20	24s38	0s51	5s46	0s10	23s52	0s37	7s49	2n20	23s14	0s11	16n 3	1n14	27s16	3s33	18n35	18n13	13n 9			n.a.

Julian Day Number = 1467178.5, Delta T = 05h34m11s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'13, Lahiri = -13°34'13 Julian Calendar 1 Dec. 697 BCE == Greg. Calendar 24 Nov. 697 BCE

The year -696 astronomical counting style corresponds to year 697 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

JANUARY 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 12 52	4♉26'39	11♒29	22♉38	2♉58	16♓34	11♉53	25♎32	16♐ 7	20°R26	26♐14	22°R 4	20♋45	7♋46	n.a.	T 1
F 2	6 16 49	5°27'31	24°48	23°43	4°13	17°12	12° 7	25°36	16°10	20♎25	26°16	21♋58	20°42	7°52	n.a.	F 2
S 3	6 20 45	6°28'20	7♓43	24°41	5°28	17°51	12°21	25°40	16°14	20°24	26°18	21°52	20°39	7°59	n.a.	S 3
S 4	6 24 42	7°29'08	20°16	25°31	6°44	18°29	12°36	25°43	16°17	20°23	26°20	21°48	20°36	8° 6	n.a.	S 4
M 5	6 28 38	8°29'54	2♈29	26°13	7°59	19° 8	12°50	25°47	16°21	20°22	26°22	21°47	20°33	8°12	n.a.	M 5
T 6	6 32 35	9°30'38	14°29	26°45	9°14	19°46	13° 4	25°50	16°24	20°20	26°24	21°D46	20°29	8°19	n.a.	T 6
W 7	6 36 31	10°31'21	26°19	27° 7	10°29	20°24	13°19	25°54	16°27	20°19	26°25	21°48	20°26	8°26	n.a.	W 7
T 8	6 40 28	11°32'01	8♉ 7	27°19	11°44	21° 3	13°33	25°57	16°31	20°18	26°27	21°49	20°23	8°32	n.a.	T 8
F 9	6 44 24	12°32'40	19°56	27°R21	12°59	21°41	13°47	26° 0	16°34	20°17	26°29	21°R50	20°20	8°39	n.a.	F 9
S 10	6 48 21	13°33'17	1♊51	27°11	14°14	22°20	14° 2	26° 4	16°37	20°16	26°31	21°49	20°17	8°46	n.a.	S 10
S 11	6 52 18	14°33'53	13°56	26°52	15°29	22°58	14°16	26° 7	16°40	20°14	26°33	21°46	20°14	8°52	n.a.	S 11
M12	6 56 14	15°34'26	26°14	26°22	16°44	23°37	14°30	26°10	16°44	20°13	26°35	21°41	20°10	8°59	n.a.	M12
T 13	7 0 11	16°34'58	8♋48	25°43	17°59	24°15	14°45	26°12	16°47	20°12	26°37	21°34	20° 7	9° 6	n.a.	T 13
W14	7 4 7	17°35'28	21°37	24°55	19°14	24°54	14°59	26°15	16°50	20°10	26°38	21°25	20° 4	9°12	n.a.	W14
T 15	7 8 4	18°35'56	4♌41	24° 1	20°29	25°32	15°13	26°18	16°53	20° 9	26°40	21°14	20° 1	9°19	n.a.	T 15
F 16	7 12 0	19°36'23	17°59	23° 1	21°44	26°11	15°28	26°20	16°56	20° 8	26°42	21° 4	19°58	9°25	n.a.	F 16
S 17	7 15 57	20°36'48	1♍29	21°57	22°59	26°49	15°42	26°23	17° 0	20° 6	26°44	20°55	19°55	9°32	n.a.	S 17
S 18	7 19 53	21°37'11	15° 9	20°51	24°14	27°28	15°56	26°25	17° 3	20° 5	26°46	20°47	19°51	9°39	n.a.	S 18
M19	7 23 50	22°37'33	28°58	19°45	25°29	28° 6	16°11	26°28	17° 6	20° 4	26°47	20°42	19°48	9°45	n.a.	M19
T 20	7 27 47	23°37'53	12♎53	18°40	26°44	28°45	16°25	26°30	17° 9	20° 2	26°49	20°40	19°45	9°52	n.a.	T 20
W21	7 31 43	24°38'11	26°55	17°37	27°59	29°23	16°39	26°32	17°12	20° 1	26°51	20°D39	19°42	9°59	n.a.	W21
T 22	7 35 40	25°38'28	11♏ 3	16°38	29°14	0♈ 2	16°53	26°34	17°15	19°59	26°53	20°40	19°39	10° 5	n.a.	T 22
F 23	7 39 36	26°38'44	25°15	15°44	0♒29	0°40	17° 8	26°36	17°18	19°58	26°54	20°R40	19°35	10°12	n.a.	F 23
S 24	7 43 33	27°38'58	9♐30	14°56	1°43	1°19	17°22	26°38	17°21	19°56	26°56	20°39	19°32	10°19	n.a.	S 24
S 25	7 47 29	28°39'10	23°45	14°14	2°58	1°57	17°36	26°39	17°24	19°55	26°58	20°35	19°29	10°25	n.a.	S 25
M26	7 51 26	29°39'20	7♉57	13°40	4°13	2°36	17°50	26°41	17°26	19°53	26°59	20°28	19°26	10°32	n.a.	M26
T 27	7 55 22	0♒39'29	22° 1	13°12	5°28	3°15	18° 4	26°43	17°29	19°52	27° 1	20°19	19°23	10°39	n.a.	T 27
W28	7 59 19	1°39'35	5♒52	12°51	6°43	3°53	18°19	26°44	17°32	19°50	27° 3	20° 7	19°20	10°45	n.a.	W28
T 29	8 3 16	2°39'40	19°25	12°37	7°58	4°32	18°33	26°45	17°35	19°49	27° 4	19°55	19°16	10°52	n.a.	T 29
F 30	8 7 12	3°39'42	2♓39	12°30	9°12	5°10	18°47	26°47	17°38	19°47	27° 6	19°43	19°13	10°59	n.a.	F 30
S 31	8 11 9	4♒39'42	15♓31	12°D29	10♒27	5♈49	19♉ 1	26♎48	17♐40	19♎45	27♐ 8	19♋33	19♋10	11♋ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s42	22 s27	5 s 4	21 s57	0 s 6	24 s38	0 s53	5 s30	0 s 9	23 s51	0 s37	7 s50	2 n21	23 s14	0 s11	16 n 3	1 n14	27 s17	3 s33	18 n33	18 n12	13 n12		n.a.
F 2	23 40	18 17	5 9	21 32	0 n 8	24 38	0 55	5 14	0 8	23 50	0 37	7 51	2 21	23 14	0 11	16 4	1 14	27 17	3 33	18 31	18 11	13 15		n.a.
S 3	23 37	13 23	4 58	21 7	0 23	24 37	0 57	4 58	0 6	23 49	0 37	7 52	2 21	23 15	0 11	16 4	1 14	27 17	3 33	18 30	18 10	13 18		n.a.
S 4	23 34	8 4	4 32	20 42	0 39	24 35	0 59	4 42	0 5	23 47	0 37	7 54	2 21	23 15	0 11	16 4	1 14	27 17	3 33	18 29	18 9	13 21		n.a.
M 5	23 30	2 35	3 55	20 18	0 56	24 32	1 0	4 26	0 4	23 46	0 37	7 55	2 21	23 15	0 11	16 5	1 14	27 17	3 33	18 28	18 8	13 24		n.a.
T 6	23 26	2 n54	3 8	19 55	1 13	24 29	1 2	4 10	0 3	23 45	0 37	7 56	2 21	23 16	0 11	16 5	1 14	27 17	3 34	18 28	18 8	13 27		n.a.
W 7	23 21	8 14	2 13	19 34	1 30	24 25	1 4	3 53	0 2	23 43	0 37	7 57	2 22	23 16	0 11	16 6	1 14	27 17	3 34	18 28	18 7	13 30		n.a.
T 8	23 16	13 15	1 13	19 14	1 47	24 20	1 5	3 37	0 1	23 42	0 37	7 58	2 22	23 16	0 11	16 6	1 14	27 18	3 34	18 29	18 6	13 33		n.a.
F 9	23 11	17 48	0 10	18 57	2 5	24 14	1 7	3 21	0 0	23 41	0 37	7 59	2 22	23 17	0 11	16 6	1 14	27 18	3 34	18 29	18 5	13 36		n.a.
S 10	23 5	21 42	0 n54	18 42	2 21	24 8	1 8	3 5	0 n 1	23 39	0 38	8 0	2 22	23 17	0 11	16 7	1 15	27 18	3 34	18 29	18 4	13 39		n.a.
S 11	22 58	24 43	1 56	18 30	2 38	24 1	1 9	2 48	0 2	23 38	0 38	8 1	2 22	23 17	0 11	16 7	1 15	27 18	3 34	18 28	18 3	13 42		n.a.
M12	22 51	26 38	2 54	18 21	2 53	23 53	1 11	2 32	0 2	23 36	0 38	8 2	2 23	23 18	0 11	16 8	1 15	27 18	3 34	18 27	18 2	13 45		n.a.
T 13	22 44	27 13	3 45	18 15	3 7	23 45	1 12	2 16	0 3	23 35	0 38	8 3	2 23	23 18	0 11	16 8	1 15	27 18	3 34	18 25	18 2	13 48		n.a.
W14	22 36	26 22	4 25	18 11	3 19	23 35	1 13	1 59	0 4	23 33	0 38	8 3	2 23	23 18	0 11	16 9	1 15	27 19	3 34	18 22	18 1	13 51		n.a.
T 15	22 28	24 5	4 52	18 10	3 30	23 25	1 15	1 43	0 5	23 32	0 38	8 4	2 23	23 19	0 11	16 9	1 15	27 19	3 35	18 20	18 0	13 54		n.a.
F 16	22 19	20 28	5 4	18 12	3 39	23 15	1 16	1 27	0 6	23 30	0 38	8 5	2 23	23 19	0 11	16 10	1 15	27 19	3 35	18 17	17 59	13 57		n.a.
S 17	22 10	15 45	4 59	18 15	3 45	23 3	1 17	1 10	0 7	23 28	0 38	8 6	2 24	23 19	0 11	16 10	1 15	27 19	3 35	18 14	17 58	14 0		n.a.
S 18	22 1	10 11	4 38	18 21	3 49	22 51	1 18	0 54	0 8	23 27	0 38	8 6	2 24	23 20	0 11	16 11	1 15	27 19	3 35	18 12	17 57	14 3		n.a.
M19	21 51	4 4	4 0	18 29	3 51	22 38	1 19	0 38	0 9	23 25	0 38	8 7	2 24	23 20	0 12	16 11	1 15	27 19	3 35	18 11	17 56	14 6		n.a.
T 20	21 41	2 s18	3 7	18 39	3 51	22 25	1 20	0 21	0 10	23 24	0 39	8 8	2 24	23 20	0 12	16 12	1 15	27 20	3 35	18 10	17 55	14 8		n.a.
W21	21 30	8 36	2 3	18 49	3 49	22 11	1 21	0 5	0 11	23 22	0 39	8 8	2 25	23 21	0 12	16 12	1 15	27 20	3 35	18 10	17 55	14 11		n.a.
T 22	21 19	14 33	0 51	19 1	3 44	21 56	1 21	0 n11	0 11	23 20	0 39	8 9	2 25	23 21	0 12	16 13	1 15	27 20	3 35	18 10	17 54	14 14		n.a.
F 23	21 8	19 45	0 s24	19 14	3 38	21 40	1 22	0 27	0 12	23 18	0 39	8 9	2 25	23 21	0 12	16 13	1 15	27 20	3 36	18 10	17 53	14 17		n.a.
S 24	20 56	23 49	1 39	19 27	3 30	21 24	1 23	0 44	0 13	23 17	0 39	8 10	2 25	23 22	0 12	16 14	1 15	27 20	3 36	18 10	17 52	14 20		n.a.
S 25	20 43	26 24	2 46	19 40	3 21	21 7	1 23	1 0	0 14	23 15	0 39	8 10	2 25	23 22	0 12	16 14	1 15	27 20	3 36	18 9	17 51	14 23		n.a.
M26	20 31	27 15	3 43	19 54	3 11	20 50	1 24	1 16	0 15	23 13	0 39	8 10	2 26	23 22	0 12	16 15	1 15	27 21	3 36	18 7	17 50	14 26		n.a.
T 27	20 18	26 20	4 26	20 8	3 0	20 32	1 24	1 33	0 15	23 11	0 39	8 11	2 26	23 23	0 12	16 15	1 15	27 21	3 36	18 5	17 49	14 29		n.a.
W28	20 4	23 47	4 52	20 22	2 48	20 14	1 25	1 49	0 16	23 10	0 39	8 11	2 26	23 23	0 12	16 16	1 15	27 21	3 36	18 2	17 48	14 32		n.a.
T 29	19 51	19 58	5 2	20 35	2 36	19 55	1 25	2 5	0 17	23 8	0 40	8 11	2 26	23 23	0 12	16 16	1 15	27 21	3 36	17 58	17 48	14 35		n.a.
F 30	19 37	15 14	4 54	20 48	2 23	19 35	1 26	2 21	0 18	23 6	0 40	8 12	2 26	23 23	0 12	16 17	1 15	27 21	3 36	17 55	17 47	14 38		n.a.
S 31	19 s22	9 s57	4 s32	21 s 1	2 n10	19 s15	1 s26	2 n37	0 n19	23 s 4	0 s40	8 s12	2 n27	23 s24	0 s12	16 n17	1 n15	27 s22	3 s37	17 n52	17 n46	14 n41		n.a.

Julian Day Number = 1467209.5, Delta T = 05h34m10s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'09, Lahiri = -13°34'08 Julian Calendar 1 Jan. 696 BCE == Greg. Calendar 25 Dec. 697 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

FEBRUARY 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 15 5	5♒39'40	28♓ 3	12♉35	11♒42	6♈27	19♉15	26♎49	17♐43	19°R44	27♐ 9	19°R25	19♉ 7	11♉12	n.a.	S 1
M 2	8 19 2	6°39'36	10♈18	12°46	12°56	7° 6	19°29	26°50	17°46	19♏42	27°11	19♉19	19° 4	11°19	n.a.	M 2
T 3	8 22 58	7°39'29	22°18	13° 3	14°11	7°44	19°43	26°51	17°48	19°41	27°12	19°17	19° 1	11°25	n.a.	T 3
W 4	8 26 55	8°39'20	4♉10	13°26	15°26	8°23	19°57	26°51	17°51	19°39	27°14	19°16	18°57	11°32	n.a.	W 4
T 5	8 30 51	9°39'09	15°58	13°53	16°40	9° 1	20°11	26°52	17°53	19°37	27°15	19°16	18°54	11°38	n.a.	T 5
F 6	8 34 48	10°38'55	27°47	14°25	17°55	9°40	20°25	26°53	17°56	19°36	27°17	19°15	18°51	11°45	n.a.	F 6
S 7	8 38 45	11°38'39	9♊44	15° 1	19°10	10°18	20°39	26°53	17°58	19°34	27°18	19°14	18°48	11°52	n.a.	S 7
S 8	8 42 41	12°38'20	21°54	15°42	20°24	10°57	20°53	26°53	18° 1	19°32	27°20	19°10	18°45	11°58	n.a.	S 8
M 9	8 46 38	13°38'00	4♋19	16°26	21°39	11°35	21° 6	26°54	18° 3	19°31	27°21	19° 4	18°41	12° 5	n.a.	M 9
T 10	8 50 34	14°37'37	17° 4	17°14	22°53	12°14	21°20	26°54	18° 5	19°29	27°23	18°55	18°38	12°12	n.a.	T 10
W11	8 54 31	15°37'11	0♌ 9	18° 5	24° 8	12°52	21°34	26°R54	18° 8	19°28	27°24	18°44	18°35	12°18	n.a.	W11
T 12	8 58 27	16°36'44	13°34	18°59	25°22	13°31	21°48	26°54	18°10	19°26	27°26	18°31	18°32	12°25	n.a.	T 12
F 13	9 2 24	17°36'14	27°17	19°56	26°37	14° 9	22° 1	26°54	18°12	19°24	27°27	18°18	18°29	12°32	n.a.	F 13
S 14	9 6 20	18°35'42	11♍14	20°56	27°51	14°48	22°15	26°53	18°14	19°23	27°28	18° 7	18°26	12°38	n.a.	S 14
S 15	9 10 17	19°35'08	25°20	21°59	29° 6	15°26	22°28	26°53	18°17	19°21	27°30	17°58	18°22	12°45	n.a.	S 15
M16	9 14 14	20°34'32	9♎31	23° 4	0♓20	16° 5	22°42	26°52	18°19	19°19	27°31	17°51	18°19	12°52	n.a.	M16
T 17	9 18 10	21°33'54	23°43	24°11	1°34	16°43	22°55	26°52	18°21	19°18	27°32	17°47	18°16	12°58	n.a.	T 17
W18	9 22 7	22°33'14	7♏54	25°21	2°49	17°22	23° 9	26°51	18°23	19°16	27°33	17°46	18°13	13° 5	n.a.	W18
T 19	9 26 3	23°32'32	22° 1	26°33	4° 3	18° 0	23°22	26°51	18°25	19°14	27°35	17°46	18°10	13°11	n.a.	T 19
F 20	9 30 0	24°31'49	6♐ 5	27°46	5°17	18°39	23°35	26°50	18°27	19°13	27°36	17°46	18° 6	13°18	n.a.	F 20
S 21	9 33 56	25°31'04	20° 3	29° 2	6°32	19°17	23°49	26°49	18°29	19°11	27°37	17°44	18° 3	13°25	n.a.	S 21
S 22	9 37 53	26°30'17	3♑56	0♒20	7°46	19°55	24° 2	26°48	18°30	19° 9	27°38	17°40	18° 0	13°31	n.a.	S 22
M23	9 41 49	27°29'28	17°42	1°40	9° 0	20°34	24°15	26°47	18°32	19° 8	27°39	17°33	17°57	13°38	n.a.	M23
T 24	9 45 46	28°28'37	1♒19	3° 1	10°14	21°12	24°28	26°45	18°34	19° 6	27°40	17°23	17°54	13°45	n.a.	T 24
W25	9 49 42	29°27'44	14°45	4°24	11°29	21°51	24°41	26°44	18°36	19° 4	27°42	17°11	17°51	13°51	n.a.	W25
T 26	9 53 39	0♓26'48	27°58	5°49	12°43	22°29	24°54	26°43	18°37	19° 3	27°43	16°59	17°47	13°58	n.a.	T 26
F 27	9 57 36	1°25'51	10♓55	7°15	13°57	23° 7	25° 7	26°41	18°39	19° 1	27°44	16°46	17°44	14° 5	n.a.	F 27
S 28	10 1 32	2♓24'51	23♓36	8♒43	15♓11	23♈46	25♉20	26♎40	18♐41	19♏ 0	27♐45	16♉35	17♉41	14♉11	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s 7	4s23	3s56	21s14	1n57	18s54	1s26	2n54	0n19	23s 2	0s40	8s12	2n27	23s24	0s12	16n18	1n15	27s22	3s37	17n50	17n45	14n44			n.a.
M 2	18 52	1n13	3 11	21 26	1 44	18 33	1 26	3 10	0 20	23 0	0 40	8 12	2 27	23 24	0 12	16 18	1 15	27 22	3 37	17 48	17 44	14 47			n.a.
T 3	18 37	6 41	2 18	21 37	1 31	18 11	1 26	3 26	0 21	22 58	0 40	8 12	2 27	23 24	0 12	16 19	1 15	27 22	3 37	17 48	17 43	14 49			n.a.
W 4	18 21	11 51	1 19	21 48	1 18	17 48	1 26	3 42	0 22	22 56	0 40	8 12	2 28	23 25	0 12	16 19	1 15	27 22	3 37	17 47	17 42	14 52			n.a.
T 5	18 5	16 34	0 18	21 57	1 6	17 26	1 26	3 58	0 22	22 54	0 40	8 12	2 28	23 25	0 12	16 20	1 15	27 22	3 37	17 47	17 41	14 55			n.a.
F 6	17 49	20 41	0n45	22 6	0 53	17 2	1 26	4 14	0 23	22 52	0 41	8 12	2 28	23 25	0 12	16 20	1 15	27 23	3 38	17 47	17 41	14 58			n.a.
S 7	17 32	23 59	1 46	22 14	0 41	16 39	1 26	4 30	0 24	22 50	0 41	8 12	2 28	23 25	0 12	16 21	1 15	27 23	3 38	17 47	17 40	15 1			n.a.
S 8	17 15	26 15	2 44	22 22	0 29	16 14	1 25	4 46	0 24	22 48	0 41	8 12	2 28	23 26	0 12	16 21	1 15	27 23	3 38	17 46	17 39	15 4			n.a.
M 9	16 58	27 17	3 34	22 28	0 18	15 50	1 25	5 2	0 25	22 46	0 41	8 12	2 29	23 26	0 12	16 22	1 15	27 23	3 38	17 44	17 38	15 7			n.a.
T 10	16 41	26 54	4 16	22 33	0 6	15 25	1 25	5 18	0 26	22 44	0 41	8 12	2 29	23 26	0 12	16 23	1 15	27 23	3 38	17 42	17 37	15 10			n.a.
W11	16 23	25 2	4 45	22 37	0s 4	14 59	1 24	5 34	0 26	22 42	0 41	8 12	2 29	23 26	0 12	16 23	1 15	27 24	3 38	17 39	17 36	15 13			n.a.
T 12	16 5	21 45	4 59	22 40	0 15	14 33	1 24	5 49	0 27	22 40	0 41	8 12	2 29	23 27	0 12	16 24	1 15	27 24	3 38	17 35	17 35	15 16			n.a.
F 13	15 47	17 13	4 57	22 41	0 25	14 7	1 23	6 5	0 28	22 38	0 41	8 11	2 30	23 27	0 12	16 24	1 15	27 24	3 39	17 31	17 34	15 18			n.a.
S 14	15 28	11 42	4 36	22 42	0 35	13 41	1 22	6 21	0 28	22 36	0 42	8 11	2 30	23 27	0 12	16 25	1 15	27 24	3 39	17 28	17 33	15 21			n.a.
S 15	15 9	5 32	3 59	22 41	0 44	13 14	1 22	6 36	0 29	22 34	0 42	8 11	2 30	23 27	0 12	16 25	1 15	27 24	3 39	17 26	17 33	15 24			n.a.
M16	14 50	0s58	3 7	22 39	0 53	12 46	1 21	6 52	0 30	22 32	0 42	8 10	2 30	23 27	0 12	16 26	1 15	27 24	3 39	17 24	17 32	15 27			n.a.
T 17	14 31	7 26	2 3	22 35	1 1	12 19	1 20	7 8	0 30	22 30	0 42	8 10	2 30	23 28	0 12	16 26	1 15	27 25	3 39	17 23	17 31	15 30			n.a.
W18	14 12	13 31	0 52	22 31	1 10	11 51	1 19	7 23	0 31	22 27	0 42	8 10	2 31	23 28	0 12	16 27	1 15	27 25	3 39	17 22	17 30	15 33			n.a.
T 19	13 52	18 54	0s23	22 24	1 17	11 22	1 18	7 39	0 32	22 25	0 42	8 9	2 31	23 28	0 12	16 27	1 15	27 25	3 40	17 22	17 29	15 36			n.a.
F 20	13 32	23 11	1 35	22 17	1 24	10 54	1 17	7 54	0 32	22 23	0 43	8 9	2 31	23 28	0 12	16 28	1 15	27 25	3 40	17 22	17 28	15 39			n.a.
S 21	13 12	26 5	2 42	22 8	1 31	10 25	1 16	8 9	0 33	22 21	0 43	8 8	2 31	23 28	0 12	16 29	1 15	27 25	3 40	17 22	17 27	15 41			n.a.
S 22	12 51	27 21	3 38	21 57	1 38	9 56	1 15	8 25	0 33	22 19	0 43	8 7	2 31	23 29	0 12	16 29	1 15	27 26	3 40	17 21	17 26	15 44			n.a.
M23	12 31	26 55	4 21	21 45	1 44	9 27	1 14	8 40	0 34	22 17	0 43	8 7	2 32	23 29	0 12	16 30	1 15	27 26	3 40	17 19	17 25	15 47			n.a.
T 24	12 10	24 51	4 49	21 32	1 49	8 57	1 13	8 55	0 34	22 14	0 43	8 6	2 32	23 29	0 12	16 30	1 15	27 26	3 40	17 16	17 24	15 50			n.a.
W25	11 49	21 25	5 0	21 17	1 54	8 27	1 11	9 10	0 35	22 12	0 43	8 6	2 32	23 29	0 12	16 31	1 15	27 26	3 41	17 12	17 24	15 53			n.a.
T 26	11 28	16 57	4 55	21 0	1 59	7 57	1 10	9 25	0 36	22 10	0 43	8 5	2 32	23 29	0 12	16 31	1 15	27 26	3 41	17 9	17 23	15 56			n.a.
F 27	11 7	11 48	4 35	20 42	2 3	7 27	1 8	9 40	0 36	22 8	0 44	8 4	2 32	23 29	0 12	16 32	1 15	27 27	3 41	17 5	17 22	15 59			n.a.
S 28	10s46	6s15	4s 1	20s22	2s 6	6s57	1s 7	9n55	0n37	22s 5	0s44	8s 3	2n33	23s30	0s12	16n32	1n15	27s27	3s41	17n 2	17n21	16n 1			n.a.

Julian Day Number = 1467240.5, Delta T = 05h34m08s
Ecliptic obliquity = 23°46'50, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'05, Lahiri = -13°34'04 Julian Calendar 1 Feb. 696 BCE == Greg. Calendar 25 Jan. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

MARCH 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 5 29	3♓23'49	6♈ 1	10♒13	16♓25	24♈24	25♉33	26°R38	18♐42	18°R58	27♐46	16°R27	17♉38	14♉18	n.a.	S 1
M 2	10 9 25	4°22'45	18°11	11°44	17°39	25° 2	25°46	26♎36	18°44	18♏56	27°47	16♉20	17°35	14°25	n.a.	M 2
T 3	10 13 22	5°21'38	0♉10	13°17	18°53	25°41	25°58	26°34	18°45	18°55	27°48	16°17	17°32	14°31	n.a.	T 3
W 4	10 17 18	6°20'29	12° 1	14°51	20° 7	26°19	26°11	26°32	18°46	18°53	27°49	16°D16	17°28	14°38	n.a.	W 4
T 5	10 21 15	7°19'18	23°48	16°27	21°21	26°57	26°23	26°30	18°48	18°52	27°49	16°16	17°25	14°45	n.a.	T 5
F 6	10 25 11	8°18'04	5♊38	18° 4	22°35	27°36	26°36	26°28	18°49	18°50	27°50	16°R16	17°22	14°51	n.a.	F 6
S 7	10 29 8	9°16'49	17°35	19°43	23°49	28°14	26°48	26°26	18°50	18°49	27°51	16°16	17°19	14°58	n.a.	S 7
S 8	10 33 5	10°15'30	29°45	21°23	25° 3	28°52	27° 1	26°23	18°52	18°47	27°52	16°14	17°16	15° 4	n.a.	S 8
M 9	10 37 1	11°14'10	12♋12	23° 5	26°17	29°31	27°13	26°21	18°53	18°46	27°53	16°10	17°12	15°11	n.a.	M 9
T 10	10 40 58	12°12'47	25° 2	24°49	27°31	0♉ 9	27°25	26°19	18°54	18°44	27°54	16° 4	17° 9	15°18	n.a.	T 10
W11	10 44 54	13°11'22	8♌15	26°34	28°45	0°47	27°37	26°16	18°55	18°43	27°54	15°55	17° 6	15°24	n.a.	W11
T 12	10 48 51	14° 9'54	21°53	28°21	29°59	1°25	27°49	26°13	18°56	18°41	27°55	15°45	17° 3	15°31	n.a.	T 12
F 13	10 52 47	15° 8'25	5♍53	0♓ 9	1♈12	2° 4	28° 1	26°11	18°57	18°40	27°56	15°35	17° 0	15°38	n.a.	F 13
S 14	10 56 44	16° 6'53	20°12	1°59	2°26	2°42	28°13	26° 8	18°58	18°38	27°56	15°26	16°57	15°44	n.a.	S 14
S 15	11 0 40	17° 5'19	4♎44	3°50	3°40	3°20	28°25	26° 5	18°59	18°37	27°57	15°19	16°53	15°51	n.a.	S 15
M16	11 4 37	18° 3'43	19°21	5°43	4°54	3°58	28°36	26° 2	18°59	18°35	27°58	15°14	16°50	15°58	n.a.	M16
T 17	11 8 33	19° 2'06	3♏57	7°38	6° 7	4°37	28°48	25°59	19° 0	18°34	27°58	15°12	16°47	16° 4	n.a.	T 17
W18	11 12 30	20° 0'27	18°27	9°34	7°21	5°15	28°59	25°56	19° 1	18°33	27°59	15°D11	16°44	16°11	n.a.	W18
T 19	11 16 27	20°58'46	2♐48	11°31	8°35	5°53	29°11	25°53	19° 1	18°31	27°59	15°12	16°41	16°18	n.a.	T 19
F 20	11 20 23	21°57'03	16°56	13°31	9°48	6°31	29°22	25°50	19° 2	18°30	28° 0	15°R13	16°38	16°24	n.a.	F 20
S 21	11 24 20	22°55'19	0♑50	15°32	11° 2	7° 9	29°33	25°46	19° 3	18°29	28° 0	15°12	16°34	16°31	n.a.	S 21
S 22	11 28 16	23°53'34	14°32	17°34	12°15	7°47	29°45	25°43	19° 3	18°27	28° 1	15°10	16°31	16°37	n.a.	S 22
M23	11 32 13	24°51'47	28° 1	19°37	13°29	8°26	29°56	25°40	19° 4	18°26	28° 1	15° 6	16°28	16°44	n.a.	M23
T 24	11 36 9	25°49'58	11♒16	21°42	14°42	9° 4	0♒ 7	25°36	19° 4	18°25	28° 1	15° 0	16°25	16°51	n.a.	T 24
W25	11 40 6	26°48'07	24°19	23°48	15°56	9°42	0°17	25°32	19° 4	18°24	28° 2	14°53	16°22	16°57	n.a.	W25
T 26	11 44 2	27°46'15	7♓ 9	25°55	17° 9	10°20	0°28	25°29	19° 5	18°22	28° 2	14°44	16°18	17° 4	n.a.	T 26
F 27	11 47 59	28°44'21	19°47	28° 3	18°22	10°58	0°39	25°25	19° 5	18°21	28° 2	14°36	16°15	17°11	n.a.	F 27
S 28	11 51 56	29°42'25	2♈11	0♈12	19°36	11°36	0°49	25°21	19° 5	18°20	28° 3	14°29	16°12	17°17	n.a.	S 28
S 29	11 55 52	0♈40'27	14°24	2°21	20°49	12°14	1° 0	25°18	19° 5	18°19	28° 3	14°23	16° 9	17°24	n.a.	S 29
M30	11 59 49	1°38'28	26°27	4°31	22° 2	12°52	1°10	25°14	19° 5	18°18	28° 3	14°19	16° 6	17°31	n.a.	M30
T 31	12 3 45	2♈36'27	8♉21	6♈40	23♈16	13♉31	1♒20	25♎10	19°R 5	18♏17	28♐ 3	14♉18	16♉ 3	17♉37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	10s24	0s35	3s16	20s 1	2s10	6s26	1s 5	10n10	0n37	22s 3	0s44	8s 3	2n33	23s30	0s12	16n33	1n15	27s27	3s41	16n59	17n20	16n 4			n.a.
M 2	10 3	5n 2	2 23	19 38	2 12	5 55	1 4	10 25	0 38	22 1	0 44	8 2	2 33	23 30	0 12	16 33	1 15	27 27	3 41	16 58	17 19	16 7			n.a.
T 3	9 41	10 22	1 25	19 13	2 15	5 24	1 2	10 39	0 38	21 59	0 44	8 1	2 33	23 30	0 12	16 34	1 15	27 27	3 42	16 57	17 18	16 10			n.a.
W 4	9 19	15 18	0 23	18 47	2 16	4 53	1 0	10 54	0 39	21 57	0 44	8 0	2 33	23 30	0 12	16 34	1 15	27 28	3 42	16 56	17 17	16 13			n.a.
T 5	8 57	19 38	0n40	18 19	2 18	4 22	0 59	11 9	0 39	21 54	0 45	7 59	2 33	23 30	0 12	16 35	1 15	27 28	3 42	16 56	17 16	16 16			n.a.
F 6	8 34	23 13	1 41	17 49	2 18	3 51	0 57	11 23	0 40	21 52	0 45	7 58	2 34	23 30	0 12	16 35	1 15	27 28	3 42	16 56	17 15	16 18			n.a.
S 7	8 12	25 50	2 39	17 18	2 19	3 20	0 55	11 38	0 40	21 50	0 45	7 57	2 34	23 31	0 12	16 36	1 15	27 28	3 42	16 56	17 15	16 21			n.a.
S 8	7 50	27 17	3 30	16 45	2 18	2 48	0 53	11 52	0 41	21 48	0 45	7 56	2 34	23 31	0 12	16 36	1 15	27 28	3 43	16 56	17 14	16 24			n.a.
M 9	7 27	27 24	4 13	16 11	2 18	2 17	0 51	12 6	0 41	21 45	0 45	7 55	2 34	23 31	0 12	16 37	1 15	27 29	3 43	16 55	17 13	16 27			n.a.
T 10	7 5	26 5	4 44	15 34	2 16	1 45	0 49	12 20	0 42	21 43	0 45	7 54	2 34	23 31	0 12	16 37	1 15	27 29	3 43	16 53	17 12	16 30			n.a.
W11	6 42	23 18	5 1	14 57	2 15	1 13	0 47	12 34	0 42	21 41	0 46	7 53	2 34	23 31	0 12	16 38	1 15	27 29	3 43	16 50	17 11	16 32			n.a.
T 12	6 19	19 10	5 2	14 17	2 12	0 42	0 45	12 48	0 43	21 39	0 46	7 52	2 35	23 31	0 12	16 38	1 15	27 29	3 43	16 47	17 10	16 35			n.a.
F 13	5 56	13 53	4 45	13 36	2 10	0 10	0 43	13 2	0 43	21 36	0 46	7 51	2 35	23 31	0 12	16 38	1 15	27 29	3 43	16 44	17 9	16 38			n.a.
S 14	5 33	7 46	4 10	12 53	2 6	0n22	0 41	13 16	0 44	21 34	0 46	7 50	2 35	23 31	0 12	16 39	1 15	27 30	3 44	16 42	17 8	16 41			n.a.
S 15	5 10	1 8	3 19	12 8	2 2	0 53	0 39	13 30	0 44	21 32	0 46	7 49	2 35	23 31	0 12	16 39	1 15	27 30	3 44	16 40	17 7	16 44			n.a.
M16	4 47	5s37	2 14	11 22	1 58	1 25	0 36	13 43	0 45	21 30	0 47	7 47	2 35	23 31	0 12	16 40	1 15	27 30	3 44	16 38	17 6	16 46			n.a.
T 17	4 24	12 5	1 0	10 34	1 53	1 57	0 34	13 57	0 45	21 27	0 47	7 46	2 35	23 32	0 12	16 40	1 15	27 30	3 44	16 37	17 5	16 49			n.a.
W18	4 1	17 51	0s18	9 45	1 47	2 28	0 32	14 10	0 46	21 25	0 47	7 45	2 35	23 32	0 13	16 41	1 15	27 30	3 44	16 37	17 4	16 52			n.a.
T 19	3 37	22 32	1 33	8 54	1 41	3 0	0 30	14 24	0 46	21 23	0 47	7 44	2 36	23 32	0 13	16 41	1 15	27 31	3 45	16 38	17 4	16 55			n.a.
F 20	3 14	25 49	2 42	8 2	1 35	3 31	0 27	14 37	0 47	21 21	0 47	7 42	2 36	23 32	0 13	16 41	1 15	27 31	3 45	16 38	17 3	16 58			n.a.
S 21	2 51	27 27	3 40	7 8	1 28	4 3	0 25	14 50	0 47	21 19	0 48	7 41	2 36	23 32	0 13	16 42	1 15	27 31	3 45	16 38	17 2	17 0			n.a.
S 22	2 28	27 22	4 25	6 13	1 20	4 34	0 22	15 3	0 47	21 16	0 48	7 40	2 36	23 32	0 13	16 42	1 15	27 31	3 45	16 37	17 1	17 3			n.a.
M23	2 4	25 39	4 54	5 16	1 12	5 5	0 20	15 16	0 48	21 14	0 48	7 38	2 36	23 32	0 13	16 43	1 15	27 31	3 45	16 36	17 0	17 6			n.a.
T 24	1 41	22 33	5 7	4 18	1 4	5 36	0 17	15 29	0 48	21 12	0 48	7 37	2 36	23 32	0 13	16 43	1 15	27 32	3 46	16 34	16 59	17 9			n.a.
W25	1 17	18 21	5 3	3 20	0 55	6 7	0 15	15 42	0 49	21 10	0 48	7 35	2 36	23 32	0 13	16 43	1 15	27 32	3 46	16 32	16 58	17 11			n.a.
T 26	0 54	13 24	4 44	2 20	0 45	6 38	0 12	15 54	0 49	21 8	0 49	7 34	2 36	23 32	0 13	16 44	1 15	27 32	3 46	16 29	16 57	17 14			n.a.
F 27	0 31	7 57	4 12	1 19	0 35	7 9	0 10	16 7	0 49	21 6	0 49	7 33	2 36	23 32	0 13	16 44	1 15	27 32	3 46	16 27	16 56	17 17			n.a.
S 28	0 7	2 17	3 28	0 18	0 25	7 40	0 7	16 19	0 50	21 3	0 49	7 31	2 37	23 32	0 13	16 44	1 15	27 32	3 46	16 25	16 55	17 20			n.a.
S 29	0n16	3n23	2 35	0n43	0 15	8 10	0 5	16 31	0 50	21 1	0 49	7 30	2 37	23 32	0 13	16 45	1 15	27 32	3 47	16 23	16 54	17 22			n.a.
M30	0 40	8 52	1 35	1 45	0 5	8 40	0 2	16 44	0 51	20 59	0 50	7 28	2 37	23 32	0 13	16 45	1 15	27 33	3 47	16 22	16 53	17 25			n.a.
T 31	1n 3	13n59	0s32	2n47	0n 6	9n10	0n 0	16n56	0n51	20s57	0s50	7s27	2n37	23s32	0s13	16n45	1n15	27s33	3s47	16n21	16n52	17n28			n.a.

Julian Day Number = 1467268.5, Delta T = 05h34m07s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°41'01, Lahiri = -13°34'00 Julian Calendar 1 March 696 BCE == Greg. Calendar 22 Feb. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

APRIL 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 7 42	3♈34'24	20♉ 9	8♈50	24♈29	14♉ 9	1♒31	25°R 6	19°R 5	18°R16	28♐ 3	14°D18	15♉59	17♉44	n.a.	W 1
T 2	12 11 38	4°32'19	1♊56	10°58	25°42	14°47	1°41	25♎ 2	19♐ 5	18♑15	28° 4	14♉19	15°56	17°51	n.a.	T 2
F 3	12 15 35	5°30'12	13°45	13° 6	26°55	15°25	1°51	24°58	19° 5	18°14	28° 4	14°20	15°53	17°57	n.a.	F 3
S 4	12 19 31	6°28'03	25°42	15°13	28° 8	16° 3	2° 0	24°54	19° 5	18°13	28° 4	14°22	15°50	18° 4	n.a.	S 4
S 5	12 23 28	7°25'53	7♋51	17°18	29°22	16°41	2°10	24°50	19° 5	18°12	28° 4	14°R22	15°47	18°11	n.a.	S 5
M 6	12 27 24	8°23'41	20°17	19°22	0♉35	17°19	2°20	24°46	19° 5	18°11	28°R 4	14°21	15°43	18°17	n.a.	M 6
T 7	12 31 21	9°21'26	3♌ 5	21°23	1°48	17°57	2°29	24°42	19° 4	18°10	28° 4	14°19	15°40	18°24	n.a.	T 7
W 8	12 35 18	10°19'10	16°18	23°23	3° 1	18°35	2°38	24°38	19° 4	18° 9	28° 4	14°16	15°37	18°30	n.a.	W 8
T 9	12 39 14	11°16'53	29°58	25°20	4°14	19°13	2°48	24°33	19° 4	18° 8	28° 4	14°11	15°34	18°37	n.a.	T 9
F 10	12 43 11	12°14'33	14♍ 5	27°14	5°27	19°51	2°57	24°29	19° 3	18° 7	28° 4	14° 6	15°31	18°44	n.a.	F 10
S 11	12 47 7	13°12'12	28°34	29° 6	6°39	20°29	3° 6	24°25	19° 3	18° 6	28° 4	14° 2	15°28	18°50	n.a.	S 11
S 12	12 51 4	14° 9'49	13♎22	0♉55	7°52	21° 7	3°14	24°20	19° 2	18° 6	28° 3	13°58	15°24	18°57	n.a.	S 12
M13	12 55 0	15° 7'25	28°19	2°41	9° 5	21°45	3°23	24°16	19° 1	18° 5	28° 3	13°56	15°21	19° 4	n.a.	M13
T 14	12 58 57	16° 4'59	13♏18	4°24	10°18	22°23	3°32	24°12	19° 1	18° 4	28° 3	13°D56	15°18	19°10	n.a.	T 14
W15	13 2 53	17° 2'33	28°10	6° 3	11°31	23° 1	3°40	24° 7	19° 0	18° 3	28° 3	13°56	15°15	19°17	n.a.	W15
T 16	13 6 50	18° 0'05	12♐50	7°40	12°43	23°39	3°49	24° 3	18°59	18° 3	28° 3	13°57	15°12	19°24	n.a.	T 16
F 17	13 10 47	18°57'36	27°12	9°13	13°56	24°17	3°57	23°59	18°59	18° 2	28° 2	13°59	15° 9	19°30	n.a.	F 17
S 18	13 14 43	19°55'07	11♑14	10°43	15° 9	24°55	4° 5	23°54	18°58	18° 2	28° 2	14° 0	15° 5	19°37	n.a.	S 18
S 19	13 18 40	20°52'36	24°56	12°10	16°21	25°33	4°13	23°50	18°57	18° 1	28° 2	14°R 0	15° 2	19°44	n.a.	S 19
M20	13 22 36	21°50'05	8♒18	13°33	17°34	26°10	4°21	23°45	18°56	18° 0	28° 1	13°59	14°59	19°50	n.a.	M20
T 21	13 26 33	22°47'32	21°21	14°53	18°47	26°48	4°28	23°41	18°55	18° 0	28° 1	13°57	14°56	19°57	n.a.	T 21
W22	13 30 29	23°44'59	4♓ 8	16° 9	19°59	27°26	4°36	23°37	18°54	17°59	28° 0	13°55	14°53	20° 3	n.a.	W22
T 23	13 34 26	24°42'24	16°41	17°22	21°12	28° 4	4°43	23°32	18°53	17°59	28° 0	13°52	14°49	20°10	n.a.	T 23
F 24	13 38 22	25°39'49	29° 1	18°31	22°24	28°42	4°50	23°28	18°52	17°59	28° 0	13°49	14°46	20°17	n.a.	F 24
S 25	13 42 19	26°37'12	11♈10	19°37	23°36	29°20	4°57	23°23	18°51	17°58	27°59	13°47	14°43	20°23	n.a.	S 25
S 26	13 46 16	27°34'35	23°11	20°39	24°49	29°58	5° 4	23°19	18°50	17°58	27°59	13°45	14°40	20°30	n.a.	S 26
M27	13 50 12	28°31'57	5♉ 5	21°37	26° 1	0♊36	5°11	23°15	18°48	17°57	27°58	13°44	14°37	20°37	n.a.	M27
T 28	13 54 9	29°29'18	16°55	22°31	27°13	1°14	5°18	23°10	18°47	17°57	27°57	13°D44	14°34	20°43	n.a.	T 28
W29	13 58 5	0♉26'37	28°41	23°22	28°26	1°52	5°24	23° 6	18°46	17°57	27°57	13°44	14°30	20°50	n.a.	W29
T 30	14 2 2	1♉23'56	10♊29	24♉ 8	29♉38	2♊30	5♒30	23♎ 1	18♐44	17♑57	27♐56	13♉45	14♉27	20♉57	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n26	18n33	0n32	3n48	0n17	9n40	0n 3	17n 8	0n51	20s55	0s50	7s25	2n37	23s32	0s13	16n46	1n15	27s33	3s47	16n21	16n52	17n31		n.a.
T 2	1 50	22 23	1 35	4 49	0 28	10 10	0 6	17 19	0 52	20 53	0 50	7 24	2 37	23 32	0 13	16 46	1 15	27 33	3 47	16 22	16 51	17 33		n.a.
F 3	2 13	25 19	2 34	5 50	0 38	10 39	0 8	17 31	0 52	20 51	0 50	7 22	2 37	23 32	0 13	16 46	1 15	27 33	3 47	16 22	16 50	17 36		n.a.
S 4	2 36	27 9	3 27	6 49	0 49	11 8	0 11	17 43	0 52	20 49	0 51	7 21	2 37	23 32	0 13	16 47	1 15	27 34	3 48	16 23	16 49	17 39		n.a.
S 5	2 59	27 43	4 11	7 48	0 59	11 37	0 14	17 54	0 53	20 47	0 51	7 19	2 37	23 32	0 13	16 47	1 15	27 34	3 48	16 23	16 48	17 42		n.a.
M 6	3 22	26 55	4 45	8 45	1 9	12 6	0 16	18 5	0 53	20 45	0 51	7 17	2 37	23 32	0 13	16 47	1 15	27 34	3 48	16 22	16 47	17 44		n.a.
T 7	3 46	24 42	5 6	9 40	1 19	12 34	0 19	18 17	0 54	20 43	0 51	7 16	2 37	23 32	0 13	16 47	1 15	27 34	3 48	16 22	16 46	17 47		n.a.
W 8	4 9	21 7	5 12	10 34	1 28	13 2	0 22	18 28	0 54	20 41	0 52	7 14	2 37	23 32	0 13	16 48	1 15	27 34	3 48	16 21	16 45	17 50		n.a.
T 9	4 31	16 19	5 1	11 26	1 37	13 29	0 24	18 39	0 54	20 39	0 52	7 13	2 37	23 32	0 13	16 48	1 15	27 35	3 49	16 19	16 44	17 53		n.a.
F 10	4 54	10 30	4 31	12 16	1 45	13 57	0 27	18 50	0 55	20 37	0 52	7 11	2 37	23 32	0 13	16 48	1 15	27 35	3 49	16 18	16 43	17 55		n.a.
S 11	5 17	3 59	3 43	13 4	1 53	14 24	0 30	19 0	0 55	20 35	0 52	7 9	2 37	23 32	0 13	16 48	1 15	27 35	3 49	16 17	16 42	17 58		n.a.
S 12	5 40	2s54	2 40	13 49	1 59	14 50	0 32	19 11	0 55	20 34	0 53	7 8	2 37	23 32	0 13	16 49	1 15	27 35	3 49	16 16	16 41	18 1		n.a.
M13	6 2	9 43	1 25	14 32	2 6	15 17	0 35	19 21	0 56	20 32	0 53	7 6	2 37	23 32	0 13	16 49	1 15	27 35	3 49	16 15	16 40	18 3		n.a.
T 14	6 25	16 0	0 3	15 13	2 11	15 43	0 38	19 32	0 56	20 30	0 53	7 5	2 37	23 32	0 13	16 49	1 15	27 36	3 50	16 15	16 39	18 6		n.a.
W15	6 47	21 18	1s18	15 52	2 16	16 8	0 40	19 42	0 56	20 28	0 53	7 3	2 37	23 32	0 13	16 49	1 15	27 36	3 50	16 15	16 38	18 9		n.a.
T 16	7 10	25 11	2 32	16 28	2 20	16 33	0 43	19 52	0 56	20 27	0 54	7 1	2 37	23 32	0 13	16 49	1 15	27 36	3 50	16 15	16 37	18 11		n.a.
F 17	7 32	27 21	3 36	17 2	2 24	16 58	0 45	20 2	0 57	20 25	0 54	7 0	2 37	23 32	0 13	16 50	1 15	27 36	3 50	16 16	16 37	18 14		n.a.
S 18	7 54	27 42	4 25	17 34	2 26	17 22	0 48	20 11	0 57	20 23	0 54	6 58	2 37	23 32	0 13	16 50	1 15	27 36	3 50	16 16	16 36	18 17		n.a.
S 19	8 16	26 20	4 58	18 3	2 28	17 46	0 51	20 21	0 57	20 21	0 54	6 57	2 37	23 32	0 13	16 50	1 15	27 36	3 51	16 16	16 35	18 19		n.a.
M20	8 38	23 29	5 13	18 30	2 29	18 10	0 53	20 30	0 58	20 20	0 55	6 55	2 37	23 32	0 13	16 50	1 15	27 37	3 51	16 16	16 34	18 22		n.a.
T 21	8 59	19 30	5 12	18 54	2 29	18 33	0 56	20 40	0 58	20 18	0 55	6 53	2 37	23 32	0 13	16 50	1 15	27 37	3 51	16 15	16 33	18 25		n.a.
W22	9 21	14 42	4 56	19 16	2 28	18 55	0 58	20 49	0 58	20 17	0 55	6 52	2 37	23 32	0 13	16 50	1 15	27 37	3 51	16 14	16 32	18 27		n.a.
T 23	9 42	9 23	4 25	19 36	2 27	19 17	1 0	20 58	0 59	20 15	0 55	6 50	2 37	23 32	0 13	16 50	1 15	27 37	3 51	16 14	16 31	18 30		n.a.
F 24	10 3	3 47	3 43	19 54	2 25	19 39	1 3	21 7	0 59	20 14	0 56	6 48	2 37	23 32	0 13	16 51	1 15	27 37	3 51	16 13	16 30	18 33		n.a.
S 25	10 25	1n52	2 50	20 9	2 21	20 0	1 5	21 15	0 59	20 12	0 56	6 47	2 37	23 32	0 13	16 51	1 15	27 38	3 52	16 12	16 29	18 35		n.a.
S 26	10 46	7 25	1 51	20 22	2 17	20 20	1 8	21 24	0 59	20 11	0 56	6 45	2 37	23 31	0 13	16 51	1 15	27 38	3 52	16 11	16 28	18 38		n.a.
M27	11 6	12 39	0 48	20 33	2 12	20 40	1 10	21 32	1 0	20 9	0 56	6 44	2 37	23 31	0 13	16 51	1 14	27 38	3 52	16 11	16 27	18 41		n.a.
T 28	11 27	17 24	0n18	20 42	2 7	20 59	1 12	21 40	1 0	20 8	0 57	6 42	2 37	23 31	0 13	16 51	1 14	27 38	3 52	16 11	16 26	18 43		n.a.
W29	11 47	21 29	1 22	20 49	2 0	21 18	1 15	21 49	1 0	20 7	0 57	6 41	2 37	23 31	0 13	16 51	1 14	27 38	3 52	16 11	16 25	18 46		n.a.
T 30	12n 8	24n42	2n23	20n53	1n52	21n36	1n17	21n57	1n 0	20s 5	0s57	6s39	2n37	23s31	0s13	16n51	1n14	27s38	3s53	16n12	16n24	18n49		n.a.

Julian Day Number = 1467299.5, Delta T = 05h34m05s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'57, Lahiri = -13°33'56 Julian Calendar 1 Apr. 696 BCE == Greg. Calendar 25 March 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

MAY 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 5 58	2♉21'14	22♊20	24♉51	0♊50	3♊ 7	5♒36	22°R57	18°R43	17°R57	27°R56	13♉46	14♉24	21♉ 3	n.a.	F 1
S 2	14 9 55	3°18'30	4♋18	25°29	2° 2	3°45	5°42	22♎53	18♐42	17♑56	27♐55	13°47	14°21	21°10	n.a.	S 2
S 3	14 13 51	4°15'46	16°28	26° 3	3°14	4°23	5°48	22°48	18°40	17°56	27°54	13°48	14°18	21°17	n.a.	S 3
M 4	14 17 48	5°13'00	28°53	26°32	4°26	5° 1	5°54	22°44	18°39	17°56	27°54	13°48	14°15	21°23	n.a.	M 4
T 5	14 21 45	6°10'14	11♌38	26°58	5°38	5°39	5°59	22°40	18°37	17°56	27°53	13°R48	14°11	21°30	n.a.	T 5
W 6	14 25 41	7° 7'26	24°47	27°18	6°50	6°17	6° 5	22°36	18°36	17°56	27°52	13°48	14° 8	21°37	n.a.	W 6
T 7	14 29 38	8° 4'38	8♍21	27°35	8° 2	6°55	6°10	22°32	18°34	17°D56	27°51	13°48	14° 5	21°43	n.a.	T 7
F 8	14 33 34	9° 1'48	22°22	27°46	9°14	7°33	6°15	22°27	18°32	17°56	27°51	13°47	14° 2	21°50	n.a.	F 8
S 9	14 37 31	9°58'58	6♎49	27°53	10°26	8°10	6°20	22°23	18°31	17°56	27°50	13°47	13°59	21°56	n.a.	S 9
S 10	14 41 27	10°56'06	21°38	27°R56	11°38	8°48	6°24	22°19	18°29	17°56	27°49	13°46	13°55	22° 3	n.a.	S 10
M11	14 45 24	11°53'15	6♏42	27°54	12°50	9°26	6°29	22°15	18°27	17°56	27°48	13°D46	13°52	22°10	n.a.	M11
T 12	14 49 20	12°50'22	21°53	27°47	14° 1	10° 4	6°33	22°11	18°25	17°56	27°47	13°46	13°49	22°16	n.a.	T 12
W13	14 53 17	13°47'29	7♐ 2	27°37	15°13	10°42	6°37	22° 7	18°24	17°57	27°46	13°R46	13°46	22°23	n.a.	W13
T 14	14 57 14	14°44'36	21°58	27°22	16°24	11°20	6°41	22° 3	18°22	17°57	27°45	13°46	13°43	22°30	n.a.	T 14
F 15	15 1 10	15°41'43	6♑37	27° 3	17°36	11°57	6°45	21°59	18°20	17°57	27°44	13°46	13°40	22°36	n.a.	F 15
S 16	15 5 7	16°38'50	20°52	26°41	18°47	12°35	6°49	21°56	18°18	17°57	27°43	13°46	13°36	22°43	n.a.	S 16
S 17	15 9 3	17°35'56	4♒41	26°15	19°59	13°13	6°52	21°52	18°16	17°58	27°42	13°46	13°33	22°50	n.a.	S 17
M18	15 13 0	18°33'03	18° 5	25°47	21°10	13°51	6°55	21°48	18°14	17°58	27°41	13°D46	13°30	22°56	n.a.	M18
T 19	15 16 56	19°30'09	1♓ 5	25°16	22°22	14°29	6°59	21°44	18°12	17°58	27°40	13°46	13°27	23° 3	n.a.	T 19
W20	15 20 53	20°27'15	13°45	24°43	23°33	15° 7	7° 1	21°41	18°10	17°59	27°39	13°46	13°24	23°10	n.a.	W20
T 21	15 24 50	21°24'22	26° 8	24° 9	24°44	15°44	7° 4	21°37	18° 8	17°59	27°38	13°47	13°21	23°16	n.a.	T 21
F 22	15 28 46	22°21'28	8♈17	23°34	25°55	16°22	7° 7	21°34	18° 6	18° 0	27°37	13°48	13°17	23°23	n.a.	F 22
S 23	15 32 43	23°18'34	20°16	22°59	27° 7	17° 0	7° 9	21°30	18° 4	18° 0	27°36	13°48	13°14	23°30	n.a.	S 23
S 24	15 36 39	24°15'41	2♉ 8	22°24	28°18	17°38	7°11	21°27	18° 2	18° 1	27°35	13°49	13°11	23°36	n.a.	S 24
M25	15 40 36	25°12'47	13°56	21°50	29°29	18°16	7°13	21°24	18° 0	18° 1	27°34	13°R49	13° 8	23°43	n.a.	M25
T 26	15 44 32	26° 9'53	25°43	21°18	0♋40	18°54	7°15	21°20	17°57	18° 2	27°33	13°49	13° 5	23°49	n.a.	T 26
W27	15 48 29	27° 7'00	7♊31	20°47	1°51	19°32	7°16	21°17	17°55	18° 3	27°32	13°48	13° 1	23°56	n.a.	W27
T 28	15 52 25	28° 4'06	19°22	20°20	3° 2	20° 9	7°18	21°14	17°53	18° 3	27°30	13°46	12°58	24° 3	n.a.	T 28
F 29	15 56 22	29° 1'13	1♋19	19°56	4°12	20°47	7°19	21°11	17°51	18° 4	27°29	13°44	12°55	24° 9	n.a.	F 29
S 30	16 0 19	29°58'19	13°23	19°35	5°23	21°25	7°20	21° 8	17°49	18° 5	27°28	13°42	12°52	24°16	n.a.	S 30
S 31	16 4 15	0♊55'25	25♋39	19♉18	6♋34	22♊ 3	7♒21	21♎ 5	17♐46	18♑ 6	27♐27	13♉40	12♉49	24♉23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n28	26n51	3n18	20n56	1n44	21n54	1n19	22n 4	1n 1	20s 4	0s58	6s37	2n37	23s31	0s13	16n51	1n14	27s39	3s53	16n12	16n23	18n51		n.a.
S 2	12 48	27 48	4 5	20 56	1 35	22 11	1 21	22 12	1 1	20 3	0 58	6 36	2 37	23 31	0 13	16 51	1 14	27 39	3 53	16 12	16 22	18 54		n.a.
S 3	13 7	27 25	4 42	20 55	1 25	22 28	1 23	22 19	1 1	20 2	0 58	6 34	2 37	23 31	0 13	16 51	1 14	27 39	3 53	16 12	16 21	18 56		n.a.
M 4	13 27	25 40	5 7	20 51	1 14	22 44	1 25	22 27	1 1	20 0	0 58	6 33	2 37	23 31	0 13	16 51	1 14	27 39	3 53	16 13	16 20	18 59		n.a.
T 5	13 46	22 36	5 17	20 46	1 2	22 59	1 27	22 34	1 2	19 59	0 59	6 31	2 36	23 31	0 13	16 51	1 14	27 39	3 53	16 13	16 19	19 2		n.a.
W 6	14 5	18 20	5 12	20 39	0 50	23 13	1 29	22 41	1 2	19 58	0 59	6 30	2 36	23 30	0 13	16 51	1 14	27 39	3 54	16 12	16 18	19 4		n.a.
T 7	14 24	13 0	4 49	20 30	0 37	23 27	1 31	22 48	1 2	19 57	0 59	6 28	2 36	23 30	0 13	16 51	1 14	27 40	3 54	16 12	16 18	19 7		n.a.
F 8	14 43	6 52	4 8	20 19	0 23	23 41	1 33	22 54	1 2	19 56	1 0	6 27	2 36	23 30	0 13	16 51	1 14	27 40	3 54	16 12	16 17	19 10		n.a.
S 9	15 1	0 11	3 11	20 6	0 8	23 53	1 35	23 1	1 2	19 55	1 0	6 25	2 36	23 30	0 13	16 51	1 14	27 40	3 54	16 12	16 16	19 12		n.a.
S 10	15 19	6s42	2 0	19 52	0s 7	24 5	1 36	23 7	1 3	19 54	1 0	6 24	2 36	23 30	0 14	16 51	1 14	27 40	3 54	16 12	16 15	19 15		n.a.
M11	15 37	13 20	0 39	19 37	0 22	24 17	1 38	23 13	1 3	19 54	1 0	6 23	2 36	23 30	0 14	16 51	1 14	27 40	3 54	16 12	16 14	19 17		n.a.
T 12	15 55	19 13	0s45	19 19	0 39	24 27	1 39	23 19	1 3	19 53	1 1	6 21	2 36	23 30	0 14	16 51	1 14	27 40	3 55	16 12	16 13	19 20		n.a.
W13	16 12	23 51	2 6	19 1	0 55	24 37	1 41	23 25	1 3	19 52	1 1	6 20	2 36	23 29	0 14	16 51	1 14	27 40	3 55	16 12	16 12	19 22		n.a.
T 14	16 29	26 48	3 17	18 42	1 11	24 46	1 42	23 30	1 4	19 51	1 1	6 19	2 35	23 29	0 14	16 50	1 14	27 41	3 55	16 12	16 11	19 25		n.a.
F 15	16 46	27 50	4 13	18 21	1 28	24 55	1 44	23 36	1 4	19 51	1 2	6 17	2 35	23 29	0 14	16 50	1 14	27 41	3 55	16 12	16 10	19 28		n.a.
S 16	17 3	26 57	4 53	18 0	1 45	25 3	1 45	23 41	1 4	19 50	1 2	6 16	2 35	23 29	0 14	16 50	1 14	27 41	3 55	16 12	16 9	19 30		n.a.
S 17	17 19	24 26	5 14	17 38	2 1	25 10	1 46	23 46	1 4	19 49	1 2	6 15	2 35	23 29	0 14	16 50	1 14	27 41	3 55	16 12	16 8	19 33		n.a.
M18	17 36	20 38	5 17	17 15	2 17	25 16	1 48	23 51	1 4	19 49	1 3	6 13	2 35	23 29	0 14	16 50	1 14	27 41	3 56	16 12	16 7	19 35		n.a.
T 19	17 51	15 57	5 3	16 53	2 33	25 22	1 49	23 56	1 4	19 48	1 3	6 12	2 35	23 29	0 14	16 50	1 14	27 41	3 56	16 12	16 6	19 38		n.a.
W20	18 7	10 42	4 35	16 30	2 48	25 27	1 50	24 0	1 5	19 48	1 3	6 11	2 34	23 28	0 14	16 50	1 14	27 41	3 56	16 12	16 5	19 40		n.a.
T 21	18 22	5 9	3 55	16 8	3 2	25 31	1 51	24 5	1 5	19 47	1 3	6 10	2 34	23 28	0 14	16 50	1 14	27 42	3 56	16 12	16 4	19 43		n.a.
F 22	18 37	0n30	3 5	15 46	3 16	25 35	1 52	24 9	1 5	19 47	1 4	6 9	2 34	23 28	0 14	16 49	1 14	27 42	3 56	16 12	16 3	19 45		n.a.
S 23	18 52	6 4	2 7	15 26	3 28	25 37	1 53	24 13	1 5	19 47	1 4	6 8	2 34	23 28	0 14	16 49	1 14	27 42	3 56	16 12	16 2	19 48		n.a.
S 24	19 6	11 23	1 4	15 6	3 39	25 39	1 53	24 17	1 5	19 47	1 4	6 6	2 34	23 28	0 14	16 49	1 14	27 42	3 56	16 13	16 1	19 51		n.a.
M25	19 20	16 16	0n 1	14 48	3 49	25 41	1 54	24 21	1 6	19 46	1 5	6 5	2 34	23 27	0 14	16 49	1 14	27 42	3 57	16 13	16 0	19 53		n.a.
T 26	19 34	20 31	1 6	14 31	3 58	25 41	1 55	24 24	1 6	19 46	1 5	6 4	2 33	23 27	0 14	16 49	1 14	27 42	3 57	16 13	15 59	19 56		n.a.
W27	19 48	23 58	2 8	14 16	4 5	25 41	1 55	24 27	1 6	19 46	1 5	6 3	2 33	23 27	0 14	16 48	1 14	27 42	3 57	16 12	15 58	19 58		n.a.
T 28	20 1	26 25	3 4	14 4	4 11	25 40	1 55	24 30	1 6	19 46	1 6	6 2	2 33	23 27	0 14	16 48	1 14	27 42	3 57	16 12	15 57	20 1		n.a.
F 29	20 14	27 40	3 54	13 53	4 15	25 39	1 56	24 33	1 6	19 46	1 6	6 1	2 33	23 27	0 14	16 48	1 14	27 43	3 57	16 11	15 56	20 3		n.a.
S 30	20 26	27 37	4 33	13 45	4 18	25 36	1 56	24 36	1 6	19 46	1 6	6 0	2 33	23 27	0 14	16 48	1 13	27 43	3 57	16 11	15 55	20 6		n.a.
S 31	20n38	26n14	5n 0	13n39	4s19	25n33	1n56	24n39	1n 6	19s46	1s 7	6s 0	2n32	23s26	0s14	16n47	1n13	27s43	3s57	16n10	15n54	20n 8		n.a.

Julian Day Number = 1467329.5, Delta T = 05h34m04s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'53, Lahiri = -13°33'52 Julian Calendar 1 May 696 BCE == Greg. Calendar 24 Apr. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

JUNE 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 8 12	1♊52'31	8♌ 7	19°R 5	7♋45	22♊41	7♒21	21°R 2	17°R44	18♌ 6	27°R26	13°R38	12♉46	24♉29	n.a.	M 1
T 2	16 12 8	2°49'37	20°52	18♉57	8°55	23°19	7°22	21♎ 0	17♐42	18° 7	27♐24	13♉36	12°42	24°36	n.a.	T 2
W 3	16 16 5	3°46'43	3♍57	18°D54	10° 6	23°57	7°22	20°57	17°39	18° 8	27°23	13°D36	12°39	24°43	n.a.	W 3
T 4	16 20 1	4°43'49	17°24	18°56	11°16	24°34	7°R22	20°54	17°37	18° 9	27°22	13°36	12°36	24°49	n.a.	T 4
F 5	16 23 58	5°40'55	1♎15	19° 2	12°27	25°12	7°22	20°52	17°35	18°10	27°20	13°37	12°33	24°56	n.a.	F 5
S 6	16 27 55	6°38'01	15°31	19°14	13°37	25°50	7°22	20°49	17°32	18°11	27°19	13°39	12°30	25° 3	n.a.	S 6
S 7	16 31 51	7°35'07	0♏ 9	19°31	14°47	26°28	7°21	20°47	17°30	18°12	27°18	13°40	12°26	25° 9	n.a.	S 7
M 8	16 35 48	8°32'13	15° 5	19°54	15°57	27° 6	7°20	20°45	17°28	18°13	27°17	13°R40	12°23	25°16	n.a.	M 8
T 9	16 39 44	9°29'20	0♐13	20°22	17° 7	27°44	7°19	20°43	17°25	18°14	27°15	13°40	12°20	25°23	n.a.	T 9
W10	16 43 41	10°26'27	15°24	20°55	18°17	28°22	7°18	20°41	17°23	18°15	27°14	13°38	12°17	25°29	n.a.	W10
T 11	16 47 37	11°23'34	0♑28	21°33	19°27	29° 0	7°17	20°39	17°21	18°16	27°13	13°35	12°14	25°36	n.a.	T 11
F 12	16 51 34	12°20'43	15°16	22°16	20°37	29°38	7°15	20°37	17°18	18°17	27°11	13°31	12°11	25°43	n.a.	F 12
S 13	16 55 30	13°17'52	29°41	23° 5	21°47	0♋15	7°14	20°35	17°16	18°18	27°10	13°27	12° 7	25°49	n.a.	S 13
S 14	16 59 27	14°15'01	13♒39	23°59	22°57	0°53	7°12	20°33	17°13	18°19	27° 9	13°23	12° 4	25°56	n.a.	S 14
M15	17 3 24	15°12'12	27° 9	24°58	24° 6	1°31	7°10	20°31	17°11	18°20	27° 7	13°21	12° 1	26° 2	n.a.	M15
T 16	17 7 20	16° 9'23	10♓12	26° 2	25°16	2° 9	7° 8	20°30	17° 9	18°22	27° 6	13°19	11°58	26° 9	n.a.	T 16
W17	17 11 17	17° 6'35	22°51	27°10	26°25	2°47	7° 5	20°28	17° 6	18°23	27° 4	13°D19	11°55	26°16	n.a.	W17
T 18	17 15 13	18° 3'49	5♈10	28°24	27°35	3°25	7° 2	20°27	17° 4	18°24	27° 3	13°20	11°52	26°22	n.a.	T 18
F 19	17 19 10	19° 1'03	17°15	29°42	28°44	4° 3	7° 0	20°26	17° 1	18°26	27° 2	13°22	11°48	26°29	n.a.	F 19
S 20	17 23 6	19°58'18	29° 9	1♊ 5	29°53	4°41	6°57	20°24	16°59	18°27	27° 0	13°23	11°45	26°36	n.a.	S 20
S 21	17 27 3	20°55'34	10♉57	2°32	1♌ 2	5°19	6°53	20°23	16°56	18°28	26°59	13°R24	11°42	26°42	n.a.	S 21
M22	17 31 0	21°52'52	22°44	4° 4	2°11	5°57	6°50	20°22	16°54	18°30	26°57	13°24	11°39	26°49	n.a.	M22
T 23	17 34 56	22°50'10	4♊31	5°40	3°20	6°35	6°46	20°21	16°52	18°31	26°56	13°22	11°36	26°56	n.a.	T 23
W24	17 38 53	23°47'30	16°24	7°20	4°29	7°13	6°43	20°20	16°49	18°32	26°55	13°18	11°32	27° 2	n.a.	W24
T 25	17 42 49	24°44'50	28°22	9° 3	5°38	7°51	6°39	20°20	16°47	18°34	26°53	13°12	11°29	27° 9	n.a.	T 25
F 26	17 46 46	25°42'11	10♋29	10°50	6°47	8°29	6°35	20°19	16°45	18°35	26°52	13° 5	11°26	27°16	n.a.	F 26
S 27	17 50 42	26°39'34	22°45	12°40	7°55	9° 7	6°30	20°19	16°42	18°37	26°50	12°57	11°23	27°22	n.a.	S 27
S 28	17 54 39	27°36'57	5♌12	14°33	9° 4	9°45	6°26	20°18	16°40	18°38	26°49	12°49	11°20	27°29	n.a.	S 28
M29	17 58 35	28°34'21	17°51	16°29	10°12	10°23	6°21	20°18	16°37	18°40	26°48	12°42	11°17	27°36	n.a.	M29
T 30	18 2 32	29♊31'46	0♍43	18♊27	11♌20	11♋ 1	6♒16	20♎17	16♐35	18♌42	26♐46	12♉37	11♉13	27♉42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n50	23n33	5n14	13n35	4s19	25n29	1n56	24n41	1n 7	19s46	1s 7	5s59	2n32	23s26	0s14	16n47	1n13	27s43	3s58	16n 9	15n53	20n11		n.a.
T 2	21 1	19 40	5 13	13 34	4 18	25 25	1 56	24 43	1 7	19 46	1 7	5 58	2 32	23 26	0 14	16 47	1 13	27 43	3 58	16 9	15 52	20 13		n.a.
W 3	21 12	14 47	4 56	13 36	4 15	25 19	1 56	24 45	1 7	19 47	1 8	5 57	2 32	23 26	0 14	16 46	1 13	27 43	3 58	16 9	15 51	20 16		n.a.
T 4	21 23	9 4	4 23	13 40	4 12	25 13	1 56	24 47	1 7	19 47	1 8	5 56	2 32	23 26	0 14	16 46	1 13	27 43	3 58	16 9	15 50	20 18		n.a.
F 5	21 34	2 45	3 33	13 47	4 7	25 7	1 56	24 49	1 7	19 47	1 8	5 55	2 31	23 25	0 14	16 46	1 13	27 43	3 58	16 9	15 49	20 21		n.a.
S 6	21 44	3s54	2 29	13 56	4 0	24 59	1 55	24 50	1 7	19 48	1 8	5 55	2 31	23 25	0 14	16 45	1 13	27 43	3 58	16 10	15 48	20 23		n.a.
S 7	21 53	10 32	1 14	14 7	3 53	24 51	1 55	24 51	1 7	19 48	1 9	5 54	2 31	23 25	0 14	16 45	1 13	27 44	3 58	16 10	15 47	20 26		n.a.
M 8	22 2	16 43	0s 8	14 21	3 45	24 42	1 54	24 52	1 8	19 49	1 9	5 53	2 31	23 25	0 14	16 45	1 13	27 44	3 59	16 10	15 46	20 28		n.a.
T 9	22 11	21 57	1 30	14 37	3 36	24 33	1 54	24 53	1 8	19 49	1 9	5 53	2 30	23 24	0 14	16 44	1 13	27 44	3 59	16 10	15 45	20 31		n.a.
W10	22 20	25 43	2 46	14 55	3 27	24 23	1 53	24 54	1 8	19 50	1 10	5 52	2 30	23 24	0 14	16 44	1 13	27 44	3 59	16 9	15 44	20 33		n.a.
T 11	22 28	27 36	3 49	15 15	3 17	24 12	1 52	24 54	1 8	19 50	1 10	5 52	2 30	23 24	0 14	16 44	1 13	27 44	3 59	16 8	15 43	20 35		n.a.
F 12	22 36	27 28	4 36	15 37	3 6	24 0	1 51	24 55	1 8	19 51	1 10	5 51	2 30	23 24	0 14	16 43	1 13	27 44	3 59	16 7	15 43	20 38		n.a.
S 13	22 43	25 27	5 4	16 0	2 54	23 48	1 50	24 55	1 8	19 52	1 11	5 51	2 29	23 24	0 14	16 43	1 13	27 44	3 59	16 6	15 42	20 40		n.a.
S 14	22 50	21 57	5 13	16 25	2 42	23 35	1 49	24 55	1 8	19 53	1 11	5 50	2 29	23 23	0 14	16 43	1 13	27 44	3 59	16 5	15 41	20 43		n.a.
M15	22 57	17 23	5 4	16 52	2 30	23 22	1 48	24 55	1 8	19 54	1 11	5 50	2 29	23 23	0 14	16 42	1 13	27 44	3 59	16 4	15 40	20 45		n.a.
T 16	23 3	12 9	4 40	17 19	2 17	23 8	1 46	24 54	1 8	19 54	1 12	5 50	2 29	23 23	0 14	16 42	1 13	27 44	3 59	16 4	15 39	20 48		n.a.
W17	23 9	6 34	4 2	17 48	2 4	22 53	1 45	24 54	1 9	19 55	1 12	5 49	2 28	23 23	0 14	16 41	1 13	27 44	4 0	16 4	15 38	20 50		n.a.
T 18	23 14	0 53	3 14	18 18	1 50	22 38	1 43	24 53	1 9	19 56	1 12	5 49	2 28	23 22	0 14	16 41	1 13	27 44	4 0	16 4	15 37	20 52		n.a.
F 19	23 19	4n45	2 18	18 48	1 37	22 22	1 42	24 52	1 9	19 57	1 13	5 49	2 28	23 22	0 14	16 40	1 13	27 44	4 0	16 4	15 36	20 55		n.a.
S 20	23 24	10 8	1 17	19 19	1 23	22 6	1 40	24 51	1 9	19 58	1 13	5 48	2 28	23 22	0 14	16 40	1 13	27 45	4 0	16 5	15 35	20 57		n.a.
S 21	23 28	15 7	0 13	19 49	1 10	21 49	1 38	24 49	1 9	20 0	1 13	5 48	2 27	23 22	0 14	16 40	1 13	27 45	4 0	16 5	15 34	21 0		n.a.
M22	23 32	19 32	0n51	20 20	0 56	21 31	1 36	24 48	1 9	20 1	1 13	5 48	2 27	23 22	0 14	16 39	1 13	27 45	4 0	16 5	15 33	21 2		n.a.
T 23	23 35	23 11	1 52	20 51	0 43	21 13	1 34	24 46	1 9	20 2	1 14	5 48	2 27	23 21	0 14	16 39	1 13	27 45	4 0	16 4	15 32	21 5		n.a.
W24	23 38	25 53	2 50	21 21	0 30	20 54	1 32	24 44	1 9	20 3	1 14	5 48	2 27	23 21	0 14	16 38	1 13	27 45	4 0	16 3	15 31	21 7		n.a.
T 25	23 40	27 26	3 40	21 50	0 17	20 35	1 30	24 42	1 9	20 4	1 14	5 48	2 26	23 21	0 14	16 38	1 13	27 45	4 0	16 1	15 30	21 9		n.a.
F 26	23 43	27 41	4 20	22 19	0 5	20 15	1 28	24 39	1 9	20 6	1 15	5 48	2 26	23 21	0 14	16 37	1 13	27 45	4 0	15 59	15 29	21 12		n.a.
S 27	23 44	26 35	4 50	22 46	0n 7	19 55	1 25	24 37	1 9	20 7	1 15	5 48	2 26	23 20	0 14	16 37	1 13	27 45	4 0	15 57	15 28	21 14		n.a.
S 28	23 46	24 10	5 6	23 11	0 19	19 34	1 23	24 34	1 9	20 9	1 15	5 48	2 26	23 20	0 14	16 36	1 13	27 45	4 1	15 54	15 27	21 16		n.a.
M29	23 46	20 33	5 7	23 35	0 30	19 13	1 20	24 31	1 9	20 10	1 15	5 48	2 25	23 20	0 14	16 36	1 13	27 45	4 1	15 52	15 26	21 19		n.a.
T 30	23n47	15n56	4n53	23n56	0n40	18n52	1n17	24n28	1n 9	20s12	1s16	5s48	2n25	23s20	0s14	16n35	1n13	27s45	4s 1	15n51	15n25	21n21		n.a.

Julian Day Number = 1467360.5, Delta T = 05h34m02s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'48, Lahiri = -13°33'48 Julian Calendar 1 June 696 BCE == Greg. Calendar 25 May 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

JULY 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 6 29	0♋29'12	13♍51	20♊27	12♌28	11♋39	6°R12	20°R17	16°R33	18♌43	26°R45	12°R34	11♉10	27♉49	n.a.	W 1
T 2	18 10 25	1°26'38	27°16	22°28	13°36	12°17	6♒ 6	20°D17	16♐30	18°45	26♐43	12°D32	11° 7	27°56	n.a.	T 2
F 3	18 14 22	2°24'06	10♎59	24°30	14°44	12°55	6° 1	20♎17	16°28	18°46	26°42	12♉33	11° 4	28° 2	n.a.	F 3
S 4	18 18 18	3°21'34	25° 1	26°33	15°52	13°34	5°56	20°17	16°26	18°48	26°41	12°34	11° 1	28° 9	n.a.	S 4
S 5	18 22 15	4°19'03	9♏23	28°37	16°59	14°12	5°50	20°18	16°24	18°50	26°39	12°R34	10°58	28°16	n.a.	S 5
M 6	18 26 11	5°16'34	24° 2	0♋41	18° 7	14°50	5°44	20°18	16°21	18°52	26°38	12°34	10°54	28°22	n.a.	M 6
T 7	18 30 8	6°14'05	8♐54	2°44	19°14	15°28	5°39	20°18	16°19	18°53	26°36	12°31	10°51	28°29	n.a.	T 7
W 8	18 34 4	7°11'38	23°52	4°48	20°21	16° 6	5°33	20°19	16°17	18°55	26°35	12°27	10°48	28°35	n.a.	W 8
T 9	18 38 1	8° 9'12	8♑47	6°51	21°28	16°44	5°27	20°19	16°15	18°57	26°34	12°20	10°45	28°42	n.a.	T 9
F 10	18 41 58	9° 6'47	23°32	8°53	22°35	17°22	5°20	20°20	16°13	18°59	26°32	12°11	10°42	28°49	n.a.	F 10
S 11	18 45 54	10° 4'24	7♒58	10°54	23°42	18° 1	5°14	20°21	16°11	19° 0	26°31	12° 3	10°39	28°55	n.a.	S 11
S 12	18 49 51	11° 2'02	21°59	12°55	24°49	18°39	5° 7	20°22	16° 8	19° 2	26°30	11°54	10°35	29° 2	n.a.	S 12
M13	18 53 47	11°59'42	5♓33	14°54	25°55	19°17	5° 1	20°23	16° 6	19° 4	26°28	11°47	10°32	29° 9	n.a.	M13
T 14	18 57 44	12°57'24	18°39	16°52	27° 2	19°55	4°54	20°24	16° 4	19° 6	26°27	11°42	10°29	29°15	n.a.	T 14
W15	19 1 40	13°55'07	1♈20	18°49	28° 8	20°33	4°47	20°25	16° 2	19° 8	26°26	11°40	10°26	29°22	n.a.	W15
T 16	19 5 37	14°52'52	13°41	20°45	29°14	21°12	4°40	20°26	16° 0	19°10	26°24	11°D39	10°23	29°29	n.a.	T 16
F 17	19 9 33	15°50'39	25°45	22°40	0♍20	21°50	4°33	20°27	15°58	19°12	26°23	11°39	10°19	29°35	n.a.	F 17
S 18	19 13 30	16°48'28	7♉38	24°33	1°25	22°28	4°26	20°29	15°56	19°14	26°22	11°R40	10°16	29°42	n.a.	S 18
S 19	19 17 27	17°46'19	19°26	26°24	2°31	23° 6	4°19	20°30	15°54	19°16	26°20	11°39	10°13	29°49	n.a.	S 19
M20	19 21 23	18°44'11	1♊13	28°15	3°36	23°45	4°11	20°32	15°52	19°18	26°19	11°38	10°10	29°55	n.a.	M20
T 21	19 25 20	19°42'06	13° 4	0♌ 4	4°41	24°23	4° 4	20°34	15°51	19°20	26°18	11°33	10° 7	0♊ 2	n.a.	T 21
W22	19 29 16	20°40'02	25° 3	1°51	5°46	25° 1	3°57	20°36	15°49	19°22	26°17	11°26	10° 4	0° 9	n.a.	W22
T 23	19 33 13	21°38'00	7♋11	3°38	6°51	25°40	3°49	20°38	15°47	19°24	26°15	11°17	10° 0	0°15	n.a.	T 23
F 24	19 37 9	22°36'00	19°30	5°23	7°55	26°18	3°41	20°40	15°45	19°26	26°14	11° 6	9°57	0°22	n.a.	F 24
S 25	19 41 6	23°34'02	2♌ 3	7° 7	9° 0	26°57	3°34	20°42	15°43	19°28	26°13	10°53	9°54	0°29	n.a.	S 25
S 26	19 45 3	24°32'05	14°47	8°49	10° 4	27°35	3°26	20°44	15°42	19°30	26°12	10°41	9°51	0°35	n.a.	S 26
M27	19 48 59	25°30'10	27°44	10°30	11° 8	28°13	3°18	20°46	15°40	19°32	26°11	10°30	9°48	0°42	n.a.	M27
T 28	19 52 56	26°28'17	10♍52	12°10	12°11	28°52	3°10	20°49	15°38	19°34	26° 9	10°21	9°44	0°49	n.a.	T 28
W29	19 56 52	27°26'25	24°12	13°49	13°15	29°30	3° 2	20°51	15°37	19°36	26° 8	10°14	9°41	0°55	n.a.	W29
T 30	20 0 49	28°24'35	7♎44	15°26	14°18	0♌ 9	2°55	20°54	15°35	19°38	26° 7	10°11	9°38	1° 2	n.a.	T 30
F 31	20 4 45	29♋22'46	21♎27	17♌ 3	15♍21	0♌47	2♒47	20♎56	15♐34	19♌40	26♐ 6	10♉ 9	9♉35	1♊ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n47	10n29	4n24	24n15	0n50	18n29	1n14	24n25	1n10	20s13	1s16	5s48	2n25	23s19	0s14	16n35	1n13	27s45	4s 1	15n50	15n24	21n24		n.a.
T 2	23 46	4 27	3 40	24 32	0 59	18 7	1 11	24 21	1 10	20 15	1 16	5 49	2 25	23 19	0 14	16 34	1 13	27 45	4 1	15 49	15 23	21 26		n.a.
F 3	23 46	1s56	2 42	24 47	1 7	17 44	1 8	24 18	1 10	20 16	1 17	5 49	2 24	23 19	0 14	16 34	1 13	27 45	4 1	15 49	15 22	21 28		n.a.
S 4	23 44	8 23	1 33	24 59	1 14	17 21	1 5	24 14	1 10	20 18	1 17	5 49	2 24	23 19	0 14	16 33	1 13	27 45	4 1	15 50	15 21	21 31		n.a.
S 5	23 43	14 33	0 17	25 8	1 21	16 57	1 2	24 10	1 10	20 20	1 17	5 49	2 24	23 19	0 14	16 32	1 13	27 45	4 1	15 50	15 20	21 33		n.a.
M 6	23 40	20 2	1s 1	25 14	1 27	16 33	0 59	24 6	1 10	20 21	1 17	5 50	2 23	23 18	0 14	16 32	1 13	27 45	4 1	15 50	15 19	21 35		n.a.
T 7	23 38	24 21	2 17	25 17	1 32	16 8	0 55	24 2	1 10	20 23	1 18	5 50	2 23	23 18	0 14	16 31	1 13	27 45	4 1	15 49	15 18	21 38		n.a.
W 8	23 35	27 1	3 23	25 18	1 37	15 43	0 52	23 57	1 10	20 25	1 18	5 51	2 23	23 18	0 14	16 31	1 13	27 45	4 1	15 47	15 17	21 40		n.a.
T 9	23 32	27 43	4 15	25 16	1 40	15 18	0 48	23 52	1 10	20 26	1 18	5 51	2 23	23 18	0 14	16 30	1 13	27 45	4 1	15 45	15 16	21 42		n.a.
F 10	23 28	26 27	4 49	25 12	1 43	14 53	0 44	23 47	1 10	20 28	1 18	5 52	2 22	23 17	0 14	16 30	1 13	27 45	4 1	15 43	15 15	21 45		n.a.
S 11	23 24	23 26	5 4	25 5	1 45	14 27	0 40	23 42	1 10	20 30	1 19	5 52	2 22	23 17	0 14	16 29	1 12	27 45	4 1	15 40	15 14	21 47		n.a.
S 12	23 19	19 6	5 0	24 55	1 47	14 1	0 37	23 37	1 10	20 32	1 19	5 53	2 22	23 17	0 14	16 28	1 12	27 45	4 2	15 37	15 13	21 49		n.a.
M13	23 14	13 56	4 40	24 43	1 48	13 34	0 33	23 32	1 10	20 34	1 19	5 53	2 22	23 17	0 14	16 28	1 12	27 45	4 2	15 35	15 12	21 52		n.a.
T 14	23 8	8 17	4 4	24 29	1 48	13 7	0 28	23 26	1 10	20 36	1 19	5 54	2 21	23 17	0 14	16 27	1 12	27 45	4 2	15 34	15 11	21 54		n.a.
W15	23 2	2 29	3 18	24 13	1 47	12 40	0 24	23 20	1 10	20 38	1 20	5 55	2 21	23 16	0 14	16 27	1 12	27 46	4 2	15 33	15 10	21 56		n.a.
T 16	22 56	3n16	2 24	23 54	1 46	12 13	0 20	23 14	1 10	20 39	1 20	5 55	2 21	23 16	0 14	16 26	1 12	27 46	4 2	15 33	15 9	21 58		n.a.
F 17	22 49	8 47	1 24	23 34	1 45	11 45	0 16	23 8	1 10	20 41	1 20	5 56	2 21	23 16	0 14	16 25	1 12	27 46	4 2	15 33	15 8	22 1		n.a.
S 18	22 42	13 55	0 22	23 12	1 43	11 18	0 11	23 2	1 10	20 43	1 20	5 57	2 20	23 16	0 14	16 25	1 12	27 46	4 2	15 33	15 7	22 3		n.a.
S 19	22 35	18 30	0n41	22 49	1 40	10 50	0 7	22 55	1 10	20 45	1 20	5 58	2 20	23 15	0 14	16 24	1 12	27 46	4 2	15 33	15 6	22 5		n.a.
M20	22 27	22 22	1 42	22 24	1 37	10 21	0 2	22 49	1 10	20 47	1 21	5 59	2 20	23 15	0 14	16 23	1 12	27 46	4 2	15 32	15 5	22 7		n.a.
T 21	22 19	25 19	2 39	21 57	1 34	9 53	0s 3	22 42	1 10	20 49	1 21	6 0	2 19	23 15	0 14	16 23	1 12	27 46	4 2	15 31	15 3	22 10		n.a.
W22	22 10	27 10	3 29	21 29	1 30	9 24	0 8	22 35	1 10	20 51	1 21	6 1	2 19	23 15	0 14	16 22	1 12	27 46	4 2	15 29	15 2	22 12		n.a.
T 23	22 1	27 45	4 10	21 0	1 26	8 56	0 13	22 28	1 10	20 53	1 21	6 2	2 19	23 15	0 14	16 22	1 12	27 46	4 2	15 26	15 1	22 14		n.a.
F 24	21 51	26 58	4 41	20 30	1 21	8 27	0 18	22 20	1 10	20 55	1 21	6 3	2 19	23 15	0 14	16 21	1 12	27 46	4 2	15 22	15 0	22 16		n.a.
S 25	21 41	24 49	4 58	19 59	1 16	7 58	0 23	22 13	1 10	20 57	1 21	6 4	2 18	23 14	0 14	16 20	1 12	27 46	4 2	15 18	14 59	22 19		n.a.
S 26	21 31	21 24	5 0	19 27	1 11	7 29	0 28	22 5	1 10	20 59	1 22	6 5	2 18	23 14	0 14	16 20	1 12	27 46	4 2	15 14	14 58	22 21		n.a.
M27	21 21	16 55	4 48	18 54	1 5	6 59	0 33	21 57	1 10	21 1	1 22	6 6	2 18	23 14	0 14	16 19	1 12	27 45	4 2	15 11	14 57	22 23		n.a.
T 28	21 10	11 35	4 20	18 20	0 59	6 30	0 38	21 49	1 10	21 3	1 22	6 7	2 18	23 14	0 14	16 18	1 12	27 45	4 2	15 8	14 56	22 25		n.a.
W29	20 58	5 39	3 38	17 46	0 53	6 0	0 44	21 41	1 10	21 5	1 22	6 8	2 17	23 14	0 14	16 18	1 12	27 45	4 2	15 6	14 55	22 28		n.a.
T 30	20 46	0s37	2 43	17 11	0 47	5 31	0 49	21 33	1 10	21 7	1 22	6 9	2 17	23 13	0 14	16 17	1 12	27 45	4 2	15 5	14 54	22 30		n.a.
F 31	20n34	6s59	1n37	16n35	0n40	5n 1	0s55	21n24	1n10	21s 9	1s22	6s10	2n17	23s13	0s14	16n16	1n12	27s45	4s 2	15n 4	14n53	22n32		n.a.

Julian Day Number = 1467390.5, Delta T = 05h34m00s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'44, Lahiri = -13°33'44 Julian Calendar 1 July 696 BCE == Greg. Calendar 24 June 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

AUGUST 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 8 42	0♌20'59	5♏23	18♌37	16♍24	1♌26	2°R39	20♎59	15°R32	19♌42	26°R 5	10°R 9	9♉32	1♊15	n.a.	S 1
S 2	20 12 38	1°19'13	19°32	20°11	17°26	2° 4	2♒31	21° 2	15♐31	19°44	26♐ 4	10♉ 9	9°29	1°22	n.a.	S 2
M 3	20 16 35	2°17'30	3♐52	21°44	18°28	2°43	2°23	21° 5	15°29	19°47	26° 3	10° 8	9°25	1°29	n.a.	M 3
T 4	20 20 31	3°15'48	18°22	23°15	19°30	3°22	2°15	21° 8	15°28	19°49	26° 2	10° 4	9°22	1°35	n.a.	T 4
W 5	20 24 28	4°14'07	2♑57	24°45	20°32	4° 0	2° 7	21°11	15°27	19°51	26° 1	9°57	9°19	1°42	n.a.	W 5
T 6	20 28 25	5°12'29	17°31	26°14	21°33	4°39	1°59	21°14	15°25	19°53	25°59	9°48	9°16	1°48	n.a.	T 6
F 7	20 32 21	6°10'52	1♒59	27°42	22°34	5°17	1°51	21°17	15°24	19°55	25°58	9°37	9°13	1°55	n.a.	F 7
S 8	20 36 18	7° 9'17	16°12	29° 8	23°35	5°56	1°43	21°21	15°23	19°57	25°58	9°25	9°10	2° 2	n.a.	S 8
S 9	20 40 14	8° 7'44	0♓ 5	0♏33	24°35	6°35	1°35	21°24	15°22	20° 0	25°57	9°14	9° 6	2° 8	n.a.	S 9
M10	20 44 11	9° 6'14	13°34	1°57	25°35	7°13	1°28	21°27	15°21	20° 2	25°56	9° 4	9° 3	2°15	n.a.	M10
T 11	20 48 7	10° 4'45	26°40	3°20	26°34	7°52	1°20	21°31	15°20	20° 4	25°55	8°56	9° 0	2°22	n.a.	T 11
W12	20 52 4	11° 3'19	9♈21	4°41	27°34	8°31	1°12	21°35	15°18	20° 6	25°54	8°51	8°57	2°28	n.a.	W12
T 13	20 56 0	12° 1'55	21°42	6° 1	28°32	9° 9	1° 4	21°38	15°18	20° 8	25°53	8°49	8°54	2°35	n.a.	T 13
F 14	20 59 57	13° 0'33	3♉48	7°19	29°31	9°48	0°57	21°42	15°17	20°11	25°52	8°48	8°50	2°42	n.a.	F 14
S 15	21 3 54	13°59'14	15°42	8°36	0♎29	10°27	0°49	21°46	15°16	20°13	25°51	8°48	8°47	2°48	n.a.	S 15
S 16	21 7 50	14°57'57	27°31	9°51	1°27	11° 6	0°42	21°50	15°15	20°15	25°50	8°48	8°44	2°55	n.a.	S 16
M17	21 11 47	15°56'42	9♊20	11° 5	2°24	11°45	0°34	21°54	15°14	20°17	25°50	8°46	8°41	3° 2	n.a.	M17
T 18	21 15 43	16°55'30	21°14	12°17	3°21	12°23	0°27	21°58	15°13	20°20	25°49	8°42	8°38	3° 8	n.a.	T 18
W19	21 19 40	17°54'20	3♋17	13°28	4°17	13° 2	0°20	22° 2	15°13	20°22	25°48	8°35	8°35	3°15	n.a.	W19
T 20	21 23 36	18°53'13	15°34	14°36	5°13	13°41	0°13	22° 7	15°12	20°24	25°47	8°25	8°31	3°22	n.a.	T 20
F 21	21 27 33	19°52'07	28° 6	15°42	6° 8	14°20	0° 6	22°11	15°11	20°26	25°47	8°14	8°28	3°28	n.a.	F 21
S 22	21 31 29	20°51'04	10♌54	16°47	7° 3	14°59	29♑59	22°16	15°11	20°28	25°46	8° 1	8°25	3°35	n.a.	S 22
S 23	21 35 26	21°50'03	23°59	17°49	7°57	15°38	29°52	22°20	15°10	20°31	25°45	7°48	8°22	3°42	n.a.	S 23
M24	21 39 23	22°49'04	7♍18	18°48	8°51	16°17	29°45	22°25	15°10	20°33	25°45	7°37	8°19	3°48	n.a.	M24
T 25	21 43 19	23°48'08	20°49	19°45	9°44	16°56	29°38	22°29	15° 9	20°35	25°44	7°27	8°16	3°55	n.a.	T 25
W26	21 47 16	24°47'13	4♎31	20°39	10°37	17°35	29°32	22°34	15° 9	20°37	25°43	7°21	8°12	4° 2	n.a.	W26
T 27	21 51 12	25°46'20	18°20	21°30	11°29	18°14	29°26	22°39	15° 9	20°40	25°43	7°17	8° 9	4° 8	n.a.	T 27
F 28	21 55 9	26°45'29	2♏16	22°17	12°20	18°53	29°19	22°44	15° 8	20°42	25°42	7°D16	8° 6	4°15	n.a.	F 28
S 29	21 59 5	27°44'40	16°17	23° 1	13°11	19°32	29°13	22°48	15° 8	20°44	25°42	7°16	8° 3	4°22	n.a.	S 29
S 30	22 3 2	28°43'53	0♐22	23°40	14° 1	20°11	29° 7	22°53	15° 8	20°46	25°41	7°R16	8° 0	4°28	n.a.	S 30
M31	22 6 58	29♌43'08	14♐31	24♍15	14♎50	20♌51	29♑ 2	22♎59	15♐ 8	20♌49	25♐41	7♉15	7♉56	4♊35	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n22	13s 6	0n25	15n59	0n33	4n31	1s 0	21n16	1n10	21s11	1s22	6s12	2n17	23s13	0s14	16n16	1n12	27s45	4s 2	15n 4	14n52	22n34		n.a.
S 2	20 9	18 39	0s49	15 23	0 26	4 1	1 6	21 7	1 10	21 13	1 23	6 13	2 16	23 13	0 14	16 15	1 12	27 45	4 2	15 4	14 51	22 36		n.a.
M 3	19 56	23 13	2 2	14 46	0 19	3 32	1 12	20 58	1 10	21 15	1 23	6 14	2 16	23 13	0 14	16 14	1 12	27 45	4 2	15 4	14 50	22 39		n.a.
T 4	19 42	26 22	3 7	14 9	0 12	3 2	1 17	20 49	1 10	21 17	1 23	6 16	2 16	23 13	0 14	16 13	1 12	27 45	4 2	15 3	14 49	22 41		n.a.
W 5	19 28	27 45	4 1	13 31	0 4	2 32	1 23	20 39	1 10	21 19	1 23	6 17	2 16	23 12	0 14	16 13	1 12	27 45	4 2	15 1	14 48	22 43		n.a.
T 6	19 14	27 13	4 38	12 54	0s 4	2 2	1 29	20 30	1 10	21 21	1 23	6 19	2 15	23 12	0 14	16 12	1 12	27 45	4 2	14 58	14 47	22 45		n.a.
F 7	19 0	24 50	4 58	12 16	0 12	1 32	1 35	20 20	1 10	21 23	1 23	6 20	2 15	23 12	0 14	16 11	1 12	27 45	4 2	14 54	14 46	22 47		n.a.
S 8	18 45	20 56	4 58	11 38	0 19	1 2	1 41	20 11	1 10	21 25	1 23	6 22	2 15	23 12	0 14	16 11	1 12	27 45	4 2	14 50	14 45	22 50		n.a.
S 9	18 30	15 58	4 41	11 0	0 27	0 33	1 47	20 1	1 9	21 26	1 23	6 23	2 15	23 12	0 14	16 10	1 12	27 45	4 2	14 46	14 44	22 52		n.a.
M10	18 14	10 21	4 8	10 23	0 36	0 3	1 53	19 51	1 9	21 28	1 23	6 25	2 14	23 12	0 14	16 9	1 12	27 45	4 2	14 43	14 43	22 54		n.a.
T 11	17 58	4 27	3 23	9 45	0 44	0s27	2 0	19 41	1 9	21 30	1 23	6 26	2 14	23 12	0 14	16 9	1 12	27 45	4 2	14 41	14 42	22 56		n.a.
W12	17 42	1n29	2 29	9 8	0 52	0 56	2 6	19 30	1 9	21 32	1 23	6 28	2 14	23 12	0 14	16 8	1 12	27 45	4 2	14 39	14 41	22 58		n.a.
T 13	17 26	7 12	1 29	8 30	1 0	1 26	2 12	19 20	1 9	21 34	1 23	6 29	2 14	23 11	0 14	16 7	1 12	27 45	4 2	14 38	14 40	23 0		n.a.
F 14	17 9	12 33	0 27	7 53	1 9	1 55	2 18	19 9	1 9	21 35	1 23	6 31	2 13	23 11	0 14	16 6	1 12	27 45	4 2	14 38	14 39	23 2		n.a.
S 15	16 52	17 21	0n36	7 16	1 17	2 24	2 25	18 59	1 9	21 37	1 24	6 33	2 13	23 11	0 14	16 6	1 12	27 45	4 2	14 38	14 38	23 5		n.a.
S 16	16 35	21 28	1 37	6 40	1 25	2 53	2 31	18 48	1 9	21 39	1 24	6 34	2 13	23 11	0 14	16 5	1 12	27 45	4 2	14 38	14 37	23 7		n.a.
M17	16 17	24 42	2 34	6 4	1 34	3 22	2 38	18 37	1 9	21 40	1 24	6 36	2 13	23 11	0 14	16 4	1 12	27 45	4 2	14 37	14 36	23 9		n.a.
T 18	15 59	26 53	3 24	5 29	1 42	3 51	2 44	18 26	1 9	21 42	1 24	6 38	2 13	23 11	0 14	16 4	1 12	27 45	4 2	14 36	14 35	23 11		n.a.
W19	15 41	27 51	4 6	4 54	1 50	4 20	2 51	18 14	1 9	21 44	1 24	6 40	2 12	23 11	0 14	16 3	1 12	27 45	4 2	14 34	14 34	23 13		n.a.
T 20	15 23	27 27	4 38	4 20	1 58	4 48	2 57	18 3	1 9	21 45	1 24	6 41	2 12	23 11	0 14	16 2	1 12	27 45	4 2	14 31	14 33	23 15		n.a.
F 21	15 4	25 40	4 56	3 47	2 6	5 16	3 4	17 51	1 9	21 47	1 24	6 43	2 12	23 11	0 14	16 1	1 12	27 45	4 2	14 27	14 32	23 17		n.a.
S 22	14 45	22 33	5 0	3 14	2 14	5 45	3 10	17 40	1 8	21 48	1 24	6 45	2 12	23 11	0 14	16 1	1 12	27 45	4 2	14 23	14 31	23 19		n.a.
S 23	14 26	18 15	4 49	2 43	2 22	6 12	3 17	17 28	1 8	21 50	1 24	6 47	2 11	23 11	0 14	16 0	1 12	27 45	4 2	14 19	14 30	23 21		n.a.
M24	14 6	13 0	4 22	2 12	2 29	6 40	3 24	17 16	1 8	21 51	1 24	6 49	2 11	23 11	0 14	15 59	1 12	27 45	4 2	14 15	14 29	23 23		n.a.
T 25	13 47	7 3	3 40	1 43	2 37	7 7	3 30	17 4	1 8	21 53	1 24	6 51	2 11	23 11	0 14	15 59	1 12	27 45	4 2	14 12	14 28	23 26		n.a.
W26	13 27	0 41	2 44	1 15	2 44	7 34	3 37	16 52	1 8	21 54	1 23	6 53	2 11	23 11	0 14	15 58	1 12	27 45	4 2	14 10	14 27	23 28		n.a.
T 27	13 7	5s46	1 39	0 48	2 51	8 1	3 43	16 39	1 8	21 55	1 23	6 55	2 11	23 10	0 14	15 57	1 12	27 45	4 2	14 8	14 25	23 30		n.a.
F 28	12 46	12 1	0 27	0 24	2 57	8 28	3 50	16 27	1 8	21 57	1 23	6 57	2 10	23 10	0 14	15 56	1 12	27 45	4 2	14 8	14 24	23 32		n.a.
S 29	12 26	17 42	0s48	0 0	3 4	8 54	3 57	16 14	1 8	21 58	1 23	6 59	2 10	23 10	0 14	15 56	1 12	27 45	4 2	14 8	14 23	23 34		n.a.
S 30	12 5	22 28	2 0	0s21	3 9	9 20	4 3	16 2	1 8	21 59	1 23	7 1	2 10	23 10	0 14	15 55	1 12	27 45	4 2	14 8	14 22	23 36		n.a.
M31	11n44	25s55	3s 4	0s40	3s15	9s45	4s10	15n49	1n 7	22s 0	1s23	7s 3	2n10	23s10	0s14	15n54	1n12	27s44	4s 2	14n 8	14n21	23n38		n.a.

Julian Day Number = 1467421.5, Delta T = 05h33m59s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'40, Lahiri = -13°33'40 Julian Calendar 1 Aug. 696 BCE == Greg. Calendar 25 July 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

SEPTEMBER 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 10 55	0♍42'25	28♐42	24♍46	15♎38	21♌30	28°R56	23♎ 4	15°R 8	20♌51	25°R41	7°R12	7♉53	4♊42	n.a.	T 1
W 2	22 14 51	1°41'43	12♑53	25°11	16°26	22° 9	28♑50	23° 9	15°D 8	20°53	25♐40	7♉ 7	7°50	4°48	n.a.	W 2
T 3	22 18 48	2°41'04	27° 1	25°31	17°13	22°48	28°45	23°14	15♐ 8	20°55	25°40	6°59	7°47	4°55	n.a.	T 3
F 4	22 22 45	3°40'26	11♒ 1	25°44	17°59	23°27	28°40	23°19	15° 8	20°57	25°39	6°49	7°44	5° 2	n.a.	F 4
S 5	22 26 41	4°39'51	24°51	25°R51	18°44	24° 7	28°35	23°25	15° 8	21° 0	25°39	6°39	7°41	5° 8	n.a.	S 5
S 6	22 30 38	5°39'17	8♓25	25°51	19°28	24°46	28°30	23°30	15° 8	21° 2	25°39	6°28	7°37	5°15	n.a.	S 6
M 7	22 34 34	6°38'46	21°41	25°43	20°11	25°25	28°25	23°36	15° 9	21° 4	25°39	6°20	7°34	5°22	n.a.	M 7
T 8	22 38 31	7°38'17	4♈37	25°27	20°53	26° 5	28°21	23°41	15° 9	21° 6	25°38	6°13	7°31	5°28	n.a.	T 8
W 9	22 42 27	8°37'50	17°13	25° 3	21°34	26°44	28°16	23°47	15° 9	21° 8	25°38	6° 9	7°28	5°35	n.a.	W 9
T 10	22 46 24	9°37'26	29°32	24°31	22°14	27°23	28°12	23°52	15°10	21°10	25°38	6° 7	7°25	5°42	n.a.	T 10
F 11	22 50 20	10°37'03	11♉37	23°50	22°53	28° 3	28° 8	23°58	15°10	21°12	25°38	6°D 7	7°22	5°48	n.a.	F 11
S 12	22 54 17	11°36'44	23°31	23° 1	23°31	28°42	28° 4	24° 4	15°11	21°15	25°38	6° 8	7°18	5°55	n.a.	S 12
S 13	22 58 14	12°36'26	5♊21	22° 5	24° 7	29°22	28° 1	24°10	15°11	21°17	25°38	6° 9	7°15	6° 2	n.a.	S 13
M14	23 2 10	13°36'11	17°10	21° 1	24°43	0♍ 1	27°57	24°15	15°12	21°19	25°37	6°R 9	7°12	6° 8	n.a.	M14
T 15	23 6 7	14°35'59	29° 5	19°53	25°17	0°41	27°54	24°21	15°13	21°21	25°37	6° 7	7° 9	6°15	n.a.	T 15
W16	23 10 3	15°35'49	11♋11	18°40	25°49	1°20	27°51	24°27	15°13	21°23	25°D37	6° 4	7° 6	6°22	n.a.	W16
T 17	23 14 0	16°35'41	23°31	17°25	26°20	2° 0	27°48	24°33	15°14	21°25	25°37	5°59	7° 2	6°28	n.a.	T 17
F 18	23 17 56	17°35'35	6♌ 9	16°10	26°50	2°39	27°45	24°39	15°15	21°27	25°38	5°52	6°59	6°35	n.a.	F 18
S 19	23 21 53	18°35'32	19° 8	14°58	27°18	3°19	27°43	24°45	15°16	21°29	25°38	5°43	6°56	6°42	n.a.	S 19
S 20	23 25 49	19°35'31	2♍28	13°50	27°45	3°59	27°41	24°51	15°17	21°31	25°38	5°35	6°53	6°48	n.a.	S 20
M21	23 29 46	20°35'31	16° 7	12°49	28° 9	4°38	27°39	24°58	15°18	21°33	25°38	5°27	6°50	6°55	n.a.	M21
T 22	23 33 42	21°35'34	0♎ 3	11°56	28°33	5°18	27°37	25° 4	15°19	21°35	25°38	5°21	6°47	7° 2	n.a.	T 22
W23	23 37 39	22°35'39	14°11	11°12	28°54	5°58	27°35	25°10	15°20	21°37	25°38	5°17	6°43	7° 8	n.a.	W23
T 24	23 41 36	23°35'46	28°27	10°40	29°13	6°38	27°34	25°16	15°21	21°39	25°38	5°D16	6°40	7°15	n.a.	T 24
F 25	23 45 32	24°35'54	12♏47	10°19	29°31	7°17	27°32	25°23	15°22	21°41	25°39	5°16	6°37	7°22	n.a.	F 25
S 26	23 49 29	25°36'05	27° 5	10°D10	29°47	7°57	27°31	25°29	15°23	21°43	25°39	5°17	6°34	7°28	n.a.	S 26
S 27	23 53 25	26°36'17	11♐21	10°12	0♏ 0	8°37	27°30	25°36	15°24	21°45	25°39	5°18	6°31	7°35	n.a.	S 27
M28	23 57 22	27°36'31	25°30	10°24	0°12	9°17	27°30	25°42	15°26	21°47	25°40	5°R19	6°27	7°42	n.a.	M28
T 29	0 1 18	28°36'46	9♑33	10°48	0°21	9°57	27°29	25°48	15°27	21°49	25°40	5°18	6°24	7°48	n.a.	T 29
W30	0 5 15	29♍37'03	23♑28	11♍20	0♏28	10♍37	27♑29	25♎55	15♐29	21♌51	25♐40	5♉16	6♉21	7♊55	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n23	27s44	3s58	0s56	3s19	10s10	4s16	15n36	1n 7	22s 1	1s23	7s 5	2n10	23s10	0s14	15n54	1n13	27s44	4s 2	14n 7	14n20	23n40		n.a.
W 2	11 1	27 44	4 37	1 10	3 23	10 35	4 23	15 23	1 7	22 2	1 23	7 7	2 9	23 10	0 14	15 53	1 13	27 44	4 2	14 5	14 19	23 42		n.a.
T 3	10 40	25 56	4 59	1 21	3 27	10 59	4 29	15 10	1 7	22 3	1 23	7 9	2 9	23 10	0 14	15 52	1 13	27 44	4 2	14 2	14 18	23 44		n.a.
F 4	10 18	22 33	5 2	1 28	3 29	11 23	4 36	14 57	1 7	22 4	1 23	7 11	2 9	23 10	0 14	15 52	1 13	27 44	4 2	13 59	14 17	23 46		n.a.
S 5	9 56	17 56	4 48	1 32	3 30	11 47	4 42	14 43	1 7	22 5	1 23	7 14	2 9	23 10	0 14	15 51	1 13	27 44	4 2	13 56	14 16	23 48		n.a.
S 6	9 34	12 30	4 18	1 32	3 31	12 10	4 49	14 30	1 7	22 6	1 23	7 16	2 9	23 10	0 14	15 50	1 13	27 44	4 2	13 52	14 15	23 50		n.a.
M 7	9 12	6 37	3 34	1 29	3 30	12 32	4 55	14 16	1 7	22 7	1 23	7 18	2 9	23 10	0 14	15 49	1 13	27 44	4 2	13 49	14 14	23 52		n.a.
T 8	8 49	0 35	2 40	1 20	3 28	12 54	5 1	14 3	1 6	22 8	1 23	7 20	2 8	23 10	0 14	15 49	1 13	27 44	4 2	13 47	14 13	23 54		n.a.
W 9	8 27	5n20	1 40	1 7	3 24	13 16	5 7	13 49	1 6	22 9	1 22	7 23	2 8	23 11	0 14	15 48	1 13	27 44	4 2	13 46	14 12	23 56		n.a.
T 10	8 4	10 55	0 35	0 49	3 18	13 37	5 14	13 35	1 6	22 10	1 22	7 25	2 8	23 11	0 14	15 47	1 13	27 44	4 2	13 45	14 11	23 58		n.a.
F 11	7 41	16 0	0n30	0 26	3 11	13 57	5 20	13 21	1 6	22 10	1 22	7 27	2 8	23 11	0 14	15 47	1 13	27 44	4 2	13 45	14 10	24 0		n.a.
S 12	7 18	20 24	1 32	0n 2	3 2	14 17	5 26	13 7	1 6	22 11	1 22	7 29	2 8	23 11	0 14	15 46	1 13	27 44	4 2	13 45	14 9	24 2		n.a.
S 13	6 55	23 58	2 31	0 35	2 51	14 36	5 31	12 53	1 6	22 12	1 22	7 32	2 7	23 11	0 14	15 45	1 13	27 44	4 2	13 46	14 8	24 4		n.a.
M14	6 32	26 31	3 23	1 12	2 38	14 55	5 37	12 39	1 5	22 12	1 22	7 34	2 7	23 11	0 14	15 45	1 13	27 44	4 2	13 46	14 7	24 6		n.a.
T 15	6 9	27 53	4 6	1 53	2 23	15 13	5 43	12 24	1 5	22 13	1 22	7 36	2 7	23 11	0 14	15 44	1 13	27 44	4 2	13 45	14 6	24 8		n.a.
W16	5 45	27 56	4 39	2 37	2 6	15 30	5 48	12 10	1 5	22 13	1 22	7 39	2 7	23 11	0 14	15 43	1 13	27 44	4 2	13 44	14 5	24 10		n.a.
T 17	5 22	26 38	5 0	3 23	1 48	15 46	5 53	11 55	1 5	22 14	1 22	7 41	2 7	23 11	0 14	15 43	1 13	27 44	4 2	13 42	14 3	24 12		n.a.
F 18	4 58	23 57	5 8	4 11	1 28	16 2	5 58	11 41	1 5	22 14	1 21	7 43	2 7	23 11	0 14	15 42	1 13	27 44	4 2	13 40	14 2	24 13		n.a.
S 19	4 34	20 1	4 59	4 58	1 8	16 17	6 3	11 26	1 5	22 14	1 21	7 46	2 7	23 11	0 14	15 41	1 13	27 44	4 1	13 37	14 1	24 15		n.a.
S 20	4 11	15 0	4 35	5 43	0 48	16 31	6 8	11 11	1 4	22 15	1 21	7 48	2 6	23 11	0 14	15 41	1 13	27 44	4 1	13 34	14 0	24 17		n.a.
M21	3 47	9 8	3 54	6 26	0 27	16 45	6 13	10 56	1 4	22 15	1 21	7 51	2 6	23 11	0 14	15 40	1 13	27 44	4 1	13 32	13 59	24 19		n.a.
T 22	3 23	2 42	2 59	7 5	0 7	16 57	6 17	10 41	1 4	22 15	1 21	7 53	2 6	23 12	0 14	15 40	1 13	27 44	4 1	13 30	13 58	24 21		n.a.
W23	2 59	3s58	1 52	7 39	0n12	17 9	6 21	10 26	1 4	22 15	1 21	7 55	2 6	23 12	0 14	15 39	1 13	27 44	4 1	13 28	13 57	24 23		n.a.
T 24	2 35	10 30	0 37	8 8	0 30	17 20	6 25	10 11	1 4	22 16	1 21	7 58	2 6	23 12	0 14	15 38	1 13	27 44	4 1	13 28	13 56	24 25		n.a.
F 25	2 11	16 32	0s41	8 32	0 47	17 29	6 28	9 56	1 3	22 16	1 20	8 0	2 6	23 12	0 14	15 38	1 13	27 44	4 1	13 28	13 55	24 27		n.a.
S 26	1 46	21 40	1 56	8 50	1 3	17 38	6 32	9 41	1 3	22 16	1 20	8 3	2 6	23 12	0 14	15 37	1 13	27 44	4 1	13 28	13 54	24 29		n.a.
S 27	1 22	25 29	3 4	9 2	1 16	17 46	6 34	9 25	1 3	22 16	1 20	8 5	2 5	23 12	0 14	15 37	1 13	27 44	4 1	13 29	13 53	24 31		n.a.
M28	0 58	27 42	4 0	9 8	1 28	17 52	6 37	9 10	1 3	22 16	1 20	8 8	2 5	23 12	0 14	15 36	1 13	27 44	4 1	13 29	13 52	24 32		n.a.
T 29	0 34	28 6	4 41	9 8	1 39	17 58	6 39	8 55	1 2	22 16	1 20	8 10	2 5	23 12	0 14	15 35	1 13	27 44	4 1	13 29	13 51	24 34		n.a.
W30	0n 9	26s43	5s 5	9n 4	1n47	18s 2	6s41	8n39	1n 2	22s16	1s20	8s13	2n 5	23s13	0s14	15n35	1n13	27s44	4s 1	13n28	13n50	24n36		n.a.

Julian Day Number = 1467452.5, Delta T = 05h33m57s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'36, Lahiri = -13°33'35 Julian Calendar 1 Sept. 696 BCE == Greg. Calendar 25 Aug. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

OCTOBER 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 9 11	0♎37'21	7♒13	12♍ 2	0♏33	11♍17	27°D29	26♎ 2	15♐30	21♑53	25♐41	5°R12	6♉18	8♊ 2	n.a.	T 1
F 2	0 13 8	1°37'41	20°47	12°51	0°35	11°57	27♏29	26° 8	15°32	21°54	25°41	5♉ 7	6°15	8° 8	n.a.	F 2
S 3	0 17 5	2°38'03	4♓ 9	13°47	0°R35	12°37	27°29	26°15	15°33	21°56	25°42	5° 2	6°12	8°15	n.a.	S 3
S 4	0 21 1	3°38'26	17°18	14°50	0°33	13°17	27°30	26°21	15°35	21°58	25°42	4°57	6° 8	8°22	n.a.	S 4
M 5	0 24 58	4°38'51	0♈13	15°57	0°28	13°57	27°31	26°28	15°36	22° 0	25°43	4°52	6° 5	8°28	n.a.	M 5
T 6	0 28 54	5°39'18	12°53	17° 9	0°20	14°37	27°32	26°35	15°38	22° 1	25°43	4°49	6° 2	8°35	n.a.	T 6
W 7	0 32 51	6°39'46	25°18	18°25	0°11	15°17	27°33	26°42	15°40	22° 3	25°44	4°47	5°59	8°42	n.a.	W 7
T 8	0 36 47	7°40'16	7♉31	19°45	29♎59	15°57	27°34	26°48	15°42	22° 5	25°45	4°D46	5°56	8°48	n.a.	T 8
F 9	0 40 44	8°40'49	19°32	21° 7	29°44	16°37	27°36	26°55	15°43	22° 7	25°45	4°47	5°53	8°55	n.a.	F 9
S 10	0 44 40	9°41'23	1♊25	22°32	29°27	17°17	27°38	27° 2	15°45	22° 8	25°46	4°49	5°49	9° 2	n.a.	S 10
S 11	0 48 37	10°41'59	13°14	23°59	29° 8	17°58	27°40	27° 9	15°47	22°10	25°47	4°51	5°46	9° 8	n.a.	S 11
M12	0 52 34	11°42'36	25° 4	25°27	28°46	18°38	27°42	27°16	15°49	22°11	25°47	4°52	5°43	9°15	n.a.	M12
T 13	0 56 30	12°43'16	6♋58	26°57	28°22	19°18	27°44	27°22	15°51	22°13	25°48	4°53	5°40	9°22	n.a.	T 13
W14	1 0 27	13°43'58	19° 1	28°28	27°57	19°58	27°47	27°29	15°53	22°15	25°49	4°R53	5°37	9°28	n.a.	W14
T 15	1 4 23	14°44'41	1♌20	29°59	27°29	20°39	27°50	27°36	15°55	22°16	25°50	4°52	5°33	9°35	n.a.	T 15
F 16	1 8 20	15°45'26	13°57	1♎32	26°59	21°19	27°53	27°43	15°57	22°18	25°51	4°50	5°30	9°42	n.a.	F 16
S 17	1 12 16	16°46'13	26°57	3° 5	26°28	22° 0	27°56	27°50	16° 0	22°19	25°51	4°48	5°27	9°48	n.a.	S 17
S 18	1 16 13	17°47'01	10♍21	4°38	25°56	22°40	27°59	27°57	16° 2	22°21	25°52	4°45	5°24	9°55	n.a.	S 18
M19	1 20 9	18°47'51	24°10	6°12	25°22	23°20	28° 3	28° 4	16° 4	22°22	25°53	4°43	5°21	10° 2	n.a.	M19
T 20	1 24 6	19°48'43	8♎22	7°46	24°48	24° 1	28° 6	28°11	16° 6	22°23	25°54	4°41	5°18	10° 8	n.a.	T 20
W21	1 28 2	20°49'36	22°52	9°21	24°12	24°41	28°10	28°18	16° 9	22°25	25°55	4°40	5°14	10°15	n.a.	W21
T 22	1 31 59	21°50'30	7♏34	10°55	23°36	25°22	28°15	28°25	16°11	22°26	25°56	4°D40	5°11	10°22	n.a.	T 22
F 23	1 35 56	22°51'26	22°21	12°29	23° 0	26° 3	28°19	28°32	16°14	22°27	25°57	4°41	5° 8	10°28	n.a.	F 23
S 24	1 39 52	23°52'22	7♐ 7	14° 4	22°24	26°43	28°23	28°39	16°16	22°29	25°58	4°41	5° 5	10°35	n.a.	S 24
S 25	1 43 49	24°53'20	21°44	15°38	21°48	27°24	28°28	28°46	16°19	22°30	25°59	4°42	5° 2	10°42	n.a.	S 25
M26	1 47 45	25°54'19	6♑ 9	17°13	21°12	28° 5	28°33	28°53	16°21	22°31	26° 0	4°43	4°59	10°48	n.a.	M26
T 27	1 51 42	26°55'19	20°17	18°47	20°37	28°45	28°38	29° 0	16°24	22°32	26° 2	4°43	4°55	10°55	n.a.	T 27
W28	1 55 38	27°56'19	4♒ 8	20°22	20° 3	29°26	28°43	29° 7	16°26	22°34	26° 3	4°R43	4°52	11° 2	n.a.	W28
T 29	1 59 35	28°57'20	17°41	21°56	19°30	0♎ 7	28°49	29°14	16°29	22°35	26° 4	4°43	4°49	11° 8	n.a.	T 29
F 30	2 3 32	29°58'22	0♓57	23°30	18°59	0°47	28°54	29°21	16°32	22°36	26° 5	4°43	4°46	11°15	n.a.	F 30
S 31	2 7 28	0♏59'25	13♓58	25♎ 5	18♎29	1♎28	29♑ 0	29♎28	16♐34	22♑37	26♐ 6	4♉42	4♉43	11♊22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	0s15	23s44	5s11	8n55	1n55	18s 5	6s42	8n23	1n 2	22s15	1s19	8s15	2n 5	23s13	0s14	15n34	1n13	27s44	4s 1	13n27	13n49	24n38			n.a.
F 2	0 39	19 30	5 0	8 41	2 1	18 7	6 43	8 8	1 2	22 15	1 19	8 18	2 5	23 13	0 14	15 34	1 13	27 43	4 1	13 25	13 48	24 40			n.a.
S 3	1 4	14 20	4 32	8 23	2 5	18 7	6 44	7 52	1 2	22 15	1 19	8 20	2 5	23 13	0 14	15 33	1 13	27 43	4 1	13 23	13 47	24 42			n.a.
S 4	1 28	8 37	3 51	8 2	2 8	18 6	6 44	7 36	1 1	22 15	1 19	8 23	2 5	23 13	0 14	15 32	1 13	27 43	4 1	13 21	13 45	24 44			n.a.
M 5	1 52	2 38	2 58	7 37	2 10	18 4	6 43	7 20	1 1	22 14	1 19	8 25	2 5	23 13	0 14	15 32	1 13	27 43	4 1	13 20	13 44	24 45			n.a.
T 6	2 17	3n22	1 57	7 9	2 12	18 0	6 42	7 5	1 1	22 14	1 19	8 28	2 4	23 14	0 14	15 31	1 13	27 43	4 1	13 19	13 43	24 47			n.a.
W 7	2 41	9 7	0 52	6 39	2 12	17 55	6 40	6 49	1 1	22 14	1 18	8 30	2 4	23 14	0 14	15 31	1 14	27 43	4 1	13 18	13 42	24 49			n.a.
T 8	3 5	14 27	0n15	6 7	2 11	17 48	6 37	6 33	1 0	22 13	1 18	8 33	2 4	23 14	0 14	15 30	1 14	27 43	4 1	13 18	13 41	24 51			n.a.
F 9	3 29	19 9	1 20	5 33	2 10	17 40	6 34	6 17	1 0	22 13	1 18	8 36	2 4	23 14	0 14	15 30	1 14	27 43	4 1	13 18	13 40	24 53			n.a.
S 10	3 53	23 3	2 21	4 57	2 7	17 30	6 30	6 0	1 0	22 12	1 18	8 38	2 4	23 14	0 14	15 29	1 14	27 43	4 1	13 19	13 39	24 54			n.a.
S 11	4 18	25 57	3 16	4 20	2 5	17 19	6 26	5 44	1 0	22 12	1 18	8 41	2 4	23 15	0 14	15 29	1 14	27 43	4 1	13 19	13 38	24 56			n.a.
M12	4 42	27 44	4 3	3 41	2 1	17 6	6 21	5 28	0 59	22 11	1 18	8 43	2 4	23 15	0 14	15 28	1 14	27 43	4 1	13 20	13 37	24 58			n.a.
T 13	5 6	28 14	4 39	3 1	1 58	16 51	6 15	5 12	0 59	22 10	1 17	8 46	2 4	23 15	0 14	15 28	1 14	27 43	4 1	13 20	13 36	25 0			n.a.
W14	5 30	27 25	5 4	2 21	1 53	16 36	6 8	4 55	0 59	22 10	1 17	8 48	2 4	23 15	0 14	15 27	1 14	27 43	4 1	13 20	13 35	25 1			n.a.
T 15	5 53	25 16	5 15	1 40	1 49	16 18	6 0	4 39	0 58	22 9	1 17	8 51	2 4	23 15	0 14	15 27	1 14	27 43	4 1	13 20	13 34	25 3			n.a.
F 16	6 17	21 50	5 12	0 58	1 44	16 0	5 52	4 23	0 58	22 8	1 17	8 53	2 4	23 16	0 14	15 26	1 14	27 43	4 1	13 19	13 33	25 5			n.a.
S 17	6 41	17 16	4 53	0 16	1 39	15 40	5 43	4 6	0 58	22 7	1 17	8 56	2 4	23 16	0 14	15 26	1 14	27 43	4 1	13 18	13 32	25 7			n.a.
S 18	7 4	11 45	4 17	0s27	1 33	15 19	5 33	3 50	0 58	22 7	1 17	8 59	2 3	23 16	0 14	15 26	1 14	27 43	4 1	13 17	13 30	25 9			n.a.
M19	7 28	5 29	3 26	1 10	1 27	14 56	5 23	3 33	0 57	22 6	1 16	9 1	2 3	23 16	0 14	15 25	1 14	27 43	4 1	13 17	13 29	25 10			n.a.
T 20	7 51	1s13	2 21	1 53	1 21	14 33	5 12	3 17	0 57	22 5	1 16	9 4	2 3	23 17	0 14	15 25	1 14	27 43	4 1	13 16	13 28	25 12			n.a.
W21	8 15	8 1	1 5	2 36	1 15	14 9	5 0	3 0	0 57	22 4	1 16	9 6	2 3	23 17	0 14	15 24	1 14	27 43	4 0	13 16	13 27	25 14			n.a.
T 22	8 38	14 29	0s16	3 19	1 9	13 44	4 47	2 44	0 56	22 3	1 16	9 9	2 3	23 17	0 14	15 24	1 14	27 43	4 0	13 16	13 26	25 15			n.a.
F 23	9 1	20 10	1 37	4 2	1 3	13 18	4 34	2 27	0 56	22 2	1 16	9 11	2 3	23 17	0 14	15 24	1 14	27 43	4 0	13 16	13 25	25 17			n.a.
S 24	9 24	24 36	2 50	4 46	0 56	12 51	4 21	2 10	0 56	22 1	1 15	9 14	2 3	23 18	0 14	15 23	1 14	27 43	4 0	13 16	13 24	25 19			n.a.
S 25	9 46	27 23	3 52	5 29	0 50	12 25	4 7	1 54	0 55	21 59	1 15	9 17	2 3	23 18	0 14	15 23	1 14	27 43	4 0	13 16	13 23	25 21			n.a.
M26	10 9	28 17	4 39	6 11	0 43	11 58	3 52	1 37	0 55	21 58	1 15	9 19	2 3	23 18	0 14	15 22	1 14	27 43	4 0	13 17	13 22	25 22			n.a.
T 27	10 31	27 17	5 7	6 54	0 37	11 31	3 37	1 20	0 55	21 57	1 15	9 22	2 3	23 18	0 14	15 22	1 14	27 43	4 0	13 17	13 21	25 24			n.a.
W28	10 53	24 38	5 17	7 36	0 30	11 4	3 22	1 4	0 54	21 56	1 15	9 24	2 3	23 19	0 14	15 22	1 14	27 43	4 0	13 17	13 20	25 26			n.a.
T 29	11 15	20 39	5 9	8 18	0 23	10 37	3 7	0 47	0 54	21 54	1 15	9 27	2 3	23 19	0 14	15 21	1 14	27 44	4 0	13 17	13 19	25 27			n.a.
F 30	11 37	15 43	4 45	9 0	0 17	10 10	2 51	0 30	0 54	21 53	1 14	9 29	2 3	23 19	0 14	15 21	1 15	27 44	4 0	13 16	13 18	25 29			n.a.
S 31	11s59	10s10	4s 6	9s41	0n10	9s44	2s36	0n13	0n53	21s52	1s14	9s32	2n 3	23s19	0s14	15n21	1n15	27s44	4s 0	13n16	13n16	25n31			n.a.

Julian Day Number = 1467482.5, Delta T = 05h33m56s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'32, Lahiri = -13°33'31 Julian Calendar 1 Oct. 696 BCE == Greg. Calendar 24 Sept. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

NOVEMBER 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 11 25	2♏ 0'28	26♓44	26♎39	18°R 0	2♎ 9	29♑ 6	29♎35	16♐37	22♑38	26♐ 8	4°R42	4♉39	11♊28	n.a.	S 1
M 2	2 15 21	3° 1'32	9♈17	28°13	17♎34	2°50	29°12	29°42	16°40	22°39	26° 9	4♉41	4°36	11°35	n.a.	M 2
T 3	2 19 18	4° 2'37	21°38	29°47	17°10	3°31	29°19	29°49	16°43	22°40	26°10	4°41	4°33	11°42	n.a.	T 3
W 4	2 23 14	5° 3'43	3♉50	1♏22	16°48	4°12	29°25	29°56	16°46	22°41	26°11	4°41	4°30	11°48	n.a.	W 4
T 5	2 27 11	6° 4'50	15°53	2°56	16°28	4°53	29°32	0♏ 3	16°48	22°42	26°13	4°41	4°27	11°55	n.a.	T 5
F 6	2 31 7	7° 5'57	27°49	4°30	16°11	5°34	29°38	0°10	16°51	22°43	26°14	4°41	4°24	12° 2	n.a.	F 6
S 7	2 35 4	8° 7'06	9♊40	6° 4	15°56	6°15	29°45	0°17	16°54	22°44	26°15	4°41	4°20	12° 8	n.a.	S 7
S 8	2 39 1	9° 8'15	21°29	7°39	15°43	6°56	29°52	0°24	16°57	22°44	26°17	4°40	4°17	12°15	n.a.	S 8
M 9	2 42 57	10° 9'26	3♋18	9°13	15°33	7°37	29°59	0°31	17° 0	22°45	26°18	4°39	4°14	12°22	n.a.	M 9
T 10	2 46 54	11°10'37	15°12	10°48	15°26	8°18	0♒ 7	0°38	17° 3	22°46	26°20	4°39	4°11	12°28	n.a.	T 10
W11	2 50 50	12°11'49	27°15	12°22	15°21	8°59	0°15	0°45	17° 6	22°47	26°21	4°38	4° 8	12°35	n.a.	W11
T 12	2 54 47	13°13'02	9♌30	13°57	15°D18	9°40	0°22	0°52	17° 9	22°47	26°23	4°D38	4° 4	12°42	n.a.	T 12
F 13	2 58 43	14°14'16	22° 1	15°32	15°18	10°21	0°30	0°59	17°12	22°48	26°24	4°38	4° 1	12°48	n.a.	F 13
S 14	3 2 40	15°15'30	4♍54	17° 7	15°21	11° 2	0°38	1° 6	17°16	22°49	26°26	4°38	3°58	12°55	n.a.	S 14
S 15	3 6 36	16°16'45	18°12	18°42	15°26	11°44	0°47	1°13	17°19	22°49	26°27	4°39	3°55	13° 2	n.a.	S 15
M16	3 10 33	17°18'01	1♎57	20°17	15°33	12°25	0°55	1°20	17°22	22°50	26°29	4°40	3°52	13° 8	n.a.	M16
T 17	3 14 30	18°19'17	16° 9	21°53	15°43	13° 6	1° 3	1°26	17°25	22°50	26°30	4°41	3°49	13°15	n.a.	T 17
W18	3 18 26	19°20'34	0♏45	23°28	15°54	13°48	1°12	1°33	17°28	22°51	26°32	4°R42	3°45	13°22	n.a.	W18
T 19	3 22 23	20°21'52	15°41	25° 4	16° 8	14°29	1°21	1°40	17°32	22°51	26°33	4°42	3°42	13°28	n.a.	T 19
F 20	3 26 19	21°23'10	0♐48	26°41	16°24	15°10	1°30	1°47	17°35	22°52	26°35	4°41	3°39	13°35	n.a.	F 20
S 21	3 30 16	22°24'28	15°58	28°17	16°42	15°52	1°39	1°54	17°38	22°52	26°37	4°39	3°36	13°42	n.a.	S 21
S 22	3 34 12	23°25'46	1♑ 1	29°53	17° 2	16°33	1°48	2° 0	17°41	22°53	26°38	4°36	3°33	13°49	n.a.	S 22
M23	3 38 9	24°27'04	15°47	1♐30	17°24	17°15	1°57	2° 7	17°45	22°53	26°40	4°34	3°30	13°55	n.a.	M23
T 24	3 42 6	25°28'22	0♒12	3° 7	17°48	17°56	2° 7	2°14	17°48	22°53	26°42	4°31	3°26	14° 2	n.a.	T 24
W25	3 46 2	26°29'40	14°12	4°44	18°14	18°38	2°16	2°20	17°51	22°53	26°43	4°30	3°23	14° 9	n.a.	W25
T 26	3 49 59	27°30'57	27°47	6°22	18°41	19°19	2°26	2°27	17°55	22°54	26°45	4°D29	3°20	14°15	n.a.	T 26
F 27	3 53 55	28°32'14	10♓57	7°59	19°10	20° 1	2°36	2°34	17°58	22°54	26°47	4°30	3°17	14°22	n.a.	F 27
S 28	3 57 52	29°33'30	23°47	9°37	19°41	20°43	2°46	2°40	18° 2	22°54	26°49	4°31	3°14	14°29	n.a.	S 28
S 29	4 1 48	0♐34'47	6♈19	11°14	20°13	21°24	2°56	2°47	18° 5	22°54	26°50	4°33	3°10	14°35	n.a.	S 29
M30	4 5 45	1♐36'02	18♈36	12♐52	20♎47	22♎ 6	3♒ 6	2♏53	18♐ 9	22♑54	26♐52	4♉35	3♉ 7	14♊42	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s20	4s18	3s16	10s22	0n 3	9s19	2s20	0s 4	0n53	21s50	1s14	9s34	2n 3	23s20	0s14	15n20	1n15	27s44	4s 0	13n16	13n15	25n32		n.a.
M 2	12 42	1n38	2 17	11 3	0s 3	8 54	2 5	0 20	0 53	21 49	1 14	9 37	2 3	23 20	0 14	15 20	1 15	27 44	4 0	13 16	13 14	25 34		n.a.
T 3	13 3	7 27	1 12	11 43	0 10	8 31	1 49	0 37	0 52	21 47	1 14	9 39	2 3	23 20	0 14	15 20	1 15	27 44	4 0	13 16	13 13	25 35		n.a.
W 4	13 24	12 54	0 5	12 22	0 16	8 8	1 34	0 54	0 52	21 46	1 14	9 42	2 3	23 21	0 14	15 20	1 15	27 44	4 0	13 16	13 12	25 37		n.a.
T 5	13 44	17 49	1n 2	13 1	0 23	7 46	1 18	1 11	0 52	21 44	1 14	9 44	2 3	23 21	0 14	15 19	1 15	27 44	4 0	13 16	13 11	25 39		n.a.
F 6	14 5	21 59	2 5	13 40	0 29	7 26	1 4	1 27	0 51	21 43	1 13	9 47	2 3	23 21	0 14	15 19	1 15	27 44	4 0	13 16	13 10	25 40		n.a.
S 7	14 25	25 13	3 2	14 17	0 35	7 6	0 49	1 44	0 51	21 41	1 13	9 49	2 3	23 21	0 14	15 19	1 15	27 44	4 0	13 16	13 9	25 42		n.a.
S 8	14 45	27 21	3 52	14 55	0 42	6 48	0 34	2 1	0 50	21 39	1 13	9 52	2 3	23 22	0 14	15 19	1 15	27 44	4 0	13 16	13 8	25 44		n.a.
M 9	15 4	28 15	4 31	15 31	0 48	6 31	0 20	2 18	0 50	21 38	1 13	9 54	2 3	23 22	0 14	15 18	1 15	27 44	4 0	13 15	13 7	25 45		n.a.
T 10	15 24	27 51	4 59	16 7	0 54	6 16	0 7	2 35	0 50	21 36	1 13	9 57	2 3	23 22	0 14	15 18	1 15	27 44	4 0	13 15	13 6	25 47		n.a.
W11	15 43	26 9	5 15	16 43	0 59	6 2	0n 7	2 51	0 49	21 34	1 13	9 59	2 3	23 23	0 14	15 18	1 15	27 44	4 0	13 15	13 5	25 48		n.a.
T 12	16 2	23 12	5 16	17 17	1 5	5 49	0 19	3 8	0 49	21 32	1 12	10 2	2 3	23 23	0 14	15 18	1 15	27 44	4 0	13 15	13 3	25 50		n.a.
F 13	16 20	19 8	5 3	17 51	1 11	5 37	0 32	3 25	0 48	21 30	1 12	10 4	2 3	23 23	0 14	15 18	1 15	27 44	4 0	13 15	13 2	25 51		n.a.
S 14	16 39	14 5	4 34	18 24	1 16	5 27	0 44	3 42	0 48	21 28	1 12	10 6	2 3	23 24	0 14	15 17	1 15	27 44	4 0	13 15	13 1	25 53		n.a.
S 15	16 57	8 15	3 50	18 56	1 21	5 18	0 56	3 58	0 48	21 26	1 12	10 9	2 3	23 24	0 14	15 17	1 15	27 44	4 0	13 15	13 0	25 55		n.a.
M16	17 14	1 50	2 52	19 27	1 26	5 11	1 7	4 15	0 47	21 24	1 12	10 11	2 3	23 24	0 14	15 17	1 15	27 44	4 0	13 16	12 59	25 56		n.a.
T 17	17 32	4s53	1 41	19 57	1 31	5 5	1 17	4 32	0 47	21 22	1 12	10 14	2 3	23 25	0 14	15 17	1 15	27 44	4 0	13 16	12 58	25 58		n.a.
W18	17 49	11 33	0 22	20 27	1 35	5 0	1 28	4 49	0 46	21 20	1 12	10 16	2 3	23 25	0 14	15 17	1 16	27 44	4 0	13 16	12 57	25 59		n.a.
T 19	18 6	17 44	1s 0	20 55	1 40	4 56	1 38	5 5	0 46	21 18	1 11	10 18	2 3	23 25	0 14	15 17	1 16	27 44	4 0	13 16	12 56	26 1		n.a.
F 20	18 22	22 53	2 19	21 22	1 44	4 54	1 47	5 22	0 45	21 16	1 11	10 21	2 3	23 25	0 14	15 17	1 16	27 44	4 0	13 16	12 55	26 2		n.a.
S 21	18 38	26 29	3 29	21 48	1 48	4 52	1 56	5 38	0 45	21 14	1 11	10 23	2 3	23 26	0 14	15 17	1 16	27 44	4 0	13 15	12 54	26 4		n.a.
S 22	18 54	28 10	4 23	22 13	1 51	4 52	2 5	5 55	0 44	21 12	1 11	10 25	2 3	23 26	0 14	15 17	1 16	27 44	4 0	13 14	12 53	26 5		n.a.
M23	19 9	27 46	4 59	22 37	1 54	4 53	2 13	6 11	0 44	21 9	1 11	10 28	2 3	23 26	0 14	15 17	1 16	27 45	4 0	13 13	12 51	26 7		n.a.
T 24	19 24	25 30	5 14	23 0	1 57	4 55	2 21	6 28	0 43	21 7	1 11	10 30	2 3	23 27	0 14	15 16	1 16	27 45	4 0	13 13	12 50	26 8		n.a.
W25	19 39	21 45	5 11	23 21	2 0	4 58	2 28	6 44	0 43	21 5	1 11	10 32	2 3	23 27	0 14	15 16	1 16	27 45	4 0	13 12	12 49	26 10		n.a.
T 26	19 53	16 56	4 50	23 41	2 2	5 2	2 35	7 1	0 42	21 2	1 11	10 34	2 3	23 27	0 14	15 16	1 16	27 45	4 0	13 12	12 48	26 11		n.a.
F 27	20 7	11 28	4 14	24 0	2 4	5 7	2 42	7 17	0 42	21 0	1 10	10 37	2 3	23 28	0 14	15 16	1 16	27 45	4 0	13 12	12 47	26 13		n.a.
S 28	20 21	5 39	3 26	24 17	2 6	5 13	2 48	7 34	0 41	20 58	1 10	10 39	2 3	23 28	0 14	15 16	1 16	27 45	4 0	13 13	12 46	26 14		n.a.
S 29	20 34	0n16	2 29	24 32	2 7	5 20	2 54	7 50	0 41	20 55	1 10	10 41	2 3	23 28	0 14	15 16	1 16	27 45	4 0	13 13	12 45	26 16		n.a.
M30	20s47	6n 3	1s27	24s46	2s 7	5s28	2n59	8s 6	0n40	20s53	1s10	10s43	2n 3	23s29	0s14	15n16	1n16	27s45	4s 0	13n14	12n44	26n17		n.a.

Julian Day Number = 1467513.5, Delta T = 05h33m54s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'28, Lahiri = -13°33'27 Julian Calendar 1 Nov. 696 BCE == Greg. Calendar 25 Oct. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 696 BCE
geocentric

DECEMBER 696 BCE (-695) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 9 41	2♐37'18	0♉43	14♐29	21♎22	22♎47	3♒16	3♏ 0	18♐12	22♑54	26♐54	4°R36	3♉ 4	14♊49	n.a.	T 1
W 2	4 13 38	3°38'33	12°42	16° 7	21°58	23°29	3°27	3° 6	18°15	22°R54	26°56	4♉35	3° 1	14°55	n.a.	W 2
T 3	4 17 35	4°39'48	24°37	17°44	22°36	24°11	3°37	3°12	18°19	22°54	26°57	4°33	2°58	15° 2	n.a.	T 3
F 4	4 21 31	5°41'02	6♊28	19°21	23°15	24°53	3°48	3°19	18°22	22°54	26°59	4°30	2°55	15° 9	n.a.	F 4
S 5	4 25 28	6°42'17	18°18	20°57	23°56	25°35	3°59	3°25	18°26	22°54	27° 1	4°25	2°51	15°15	n.a.	S 5
S 6	4 29 24	7°43'31	0♋ 8	22°32	24°37	26°16	4°10	3°31	18°29	22°54	27° 3	4°19	2°48	15°22	n.a.	S 6
M 7	4 33 21	8°44'44	12° 1	24° 7	25°20	26°58	4°21	3°37	18°33	22°54	27° 5	4°12	2°45	15°29	n.a.	M 7
T 8	4 37 17	9°45'57	23°59	25°40	26° 4	27°40	4°32	3°43	18°36	22°54	27° 6	4° 6	2°42	15°35	n.a.	T 8
W 9	4 41 14	10°47'10	6♌ 4	27°12	26°48	28°22	4°43	3°50	18°40	22°53	27° 8	4° 0	2°39	15°42	n.a.	W 9
T 10	4 45 11	11°48'23	18°19	28°42	27°34	29° 4	4°54	3°56	18°43	22°53	27°10	3°56	2°36	15°49	n.a.	T 10
F 11	4 49 7	12°49'35	0♍48	0♎ 9	28°21	29°46	5° 6	4° 2	18°47	22°53	27°12	3°53	2°32	15°55	n.a.	F 11
S 12	4 53 4	13°50'47	13°35	1°34	29° 9	0♏28	5°17	4° 8	18°51	22°52	27°14	3°D52	2°29	16° 2	n.a.	S 12
S 13	4 57 0	14°51'59	26°43	2°56	29°57	1°10	5°29	4°14	18°54	22°52	27°16	3°53	2°26	16° 9	n.a.	S 13
M14	5 0 57	15°53'10	10♎15	4°14	0♏47	1°52	5°40	4°19	18°58	22°52	27°18	3°54	2°23	16°16	n.a.	M14
T 15	5 4 53	16°54'20	24°15	5°28	1°37	2°34	5°52	4°25	19° 1	22°51	27°19	3°55	2°20	16°22	n.a.	T 15
W16	5 8 50	17°55'30	8♏41	6°36	2°28	3°16	6° 4	4°31	19° 5	22°51	27°21	3°R56	2°16	16°29	n.a.	W16
T 17	5 12 46	18°56'40	23°32	7°38	3°20	3°58	6°16	4°37	19° 8	22°50	27°23	3°54	2°13	16°36	n.a.	T 17
F 18	5 16 43	19°57'49	8♐41	8°34	4°12	4°41	6°28	4°42	19°12	22°50	27°25	3°50	2°10	16°42	n.a.	F 18
S 19	5 20 40	20°58'57	23°59	9°21	5° 5	5°23	6°40	4°48	19°15	22°49	27°27	3°44	2° 7	16°49	n.a.	S 19
S 20	5 24 36	22° 0'05	9♑16	10° 1	5°59	6° 5	6°52	4°53	19°19	22°49	27°29	3°37	2° 4	16°56	n.a.	S 20
M21	5 28 33	23° 1'11	24°19	10°31	6°54	6°47	7° 4	4°59	19°22	22°48	27°31	3°29	2° 1	17° 2	n.a.	M21
T 22	5 32 29	24° 2'16	9♒ 1	10°50	7°49	7°30	7°17	5° 4	19°26	22°47	27°33	3°21	1°57	17° 9	n.a.	T 22
W23	5 36 26	25° 3'20	23°16	11°R 0	8°44	8°12	7°29	5°10	19°30	22°47	27°35	3°15	1°54	17°16	n.a.	W23
T 24	5 40 22	26° 4'22	7♓ 0	10°57	9°41	8°54	7°42	5°15	19°33	22°46	27°37	3°11	1°51	17°22	n.a.	T 24
F 25	5 44 19	27° 5'23	20°16	10°44	10°37	9°37	7°54	5°20	19°37	22°45	27°39	3° 9	1°48	17°29	n.a.	F 25
S 26	5 48 16	28° 6'22	3♈ 5	10°19	11°35	10°19	8° 7	5°25	19°40	22°44	27°40	3°D 9	1°45	17°36	n.a.	S 26
S 27	5 52 12	29° 7'20	15°33	9°43	12°32	11° 1	8°20	5°30	19°44	22°44	27°42	3°10	1°42	17°42	n.a.	S 27
M28	5 56 9	0♑ 8'17	27°45	8°58	13°31	11°44	8°33	5°35	19°47	22°43	27°44	3°R11	1°38	17°49	n.a.	M28
T 29	6 0 5	1° 9'12	9♉45	8° 3	14°29	12°26	8°45	5°40	19°51	22°42	27°46	3°11	1°35	17°56	n.a.	T 29
W30	6 4 2	2°10'06	21°37	7° 1	15°29	13° 9	8°58	5°45	19°54	22°41	27°48	3° 9	1°32	18° 3	n.a.	W30
T 31	6 7 58	3♑10'58	3♊26	5♑53	16♏28	13♏51	9♒11	5♏50	19♐58	22♑40	27♐50	3♉ 4	1♉29	18♊ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20s59	11n33	0s21	24s58	2s 7	5s36	3n 5	8s22	0n40	20s50	1s10	10s45	2n 3	23s29	0s14	15n16	1n16	27s45	4s 1	13n14	12n43	26n19			n.a.
W 2	21 11	16 35	0n44	25 9	2 7	5 45	3 9	8 38	0 39	20 47	1 10	10 48	2 3	23 29	0 14	15 17	1 16	27 45	4 1	13 14	12 42	26 20			n.a.
T 3	21 22	20 56	1 48	25 18	2 6	5 55	3 14	8 54	0 39	20 45	1 10	10 50	2 3	23 30	0 14	15 17	1 16	27 45	4 1	13 13	12 40	26 21			n.a.
F 4	21 34	24 25	2 46	25 25	2 5	6 6	3 18	9 10	0 38	20 42	1 10	10 52	2 3	23 30	0 14	15 17	1 16	27 45	4 1	13 12	12 39	26 23			n.a.
S 5	21 44	26 51	3 36	25 30	2 2	6 17	3 22	9 26	0 38	20 40	1 9	10 54	2 4	23 30	0 14	15 17	1 16	27 45	4 1	13 10	12 38	26 24			n.a.
S 6	21 55	28 5	4 18	25 33	2 0	6 29	3 26	9 42	0 37	20 37	1 9	10 56	2 4	23 30	0 14	15 17	1 16	27 45	4 1	13 8	12 37	26 26			n.a.
M 7	22 4	28 0	4 48	25 35	1 56	6 42	3 29	9 58	0 37	20 34	1 9	10 58	2 4	23 31	0 14	15 17	1 17	27 46	4 1	13 6	12 36	26 27			n.a.
T 8	22 14	26 38	5 6	25 34	1 52	6 55	3 32	10 14	0 36	20 31	1 9	11 0	2 4	23 31	0 14	15 17	1 17	27 46	4 1	13 4	12 35	26 28			n.a.
W 9	22 23	24 2	5 10	25 32	1 47	7 9	3 35	10 29	0 36	20 28	1 9	11 2	2 4	23 31	0 14	15 17	1 17	27 46	4 1	13 2	12 34	26 30			n.a.
T 10	22 31	20 19	5 1	25 28	1 41	7 23	3 37	10 45	0 35	20 26	1 9	11 4	2 4	23 32	0 14	15 17	1 17	27 46	4 1	13 0	12 33	26 31			n.a.
F 11	22 40	15 39	4 37	25 21	1 34	7 38	3 39	11 1	0 35	20 23	1 9	11 6	2 4	23 32	0 14	15 17	1 17	27 46	4 1	12 59	12 32	26 33			n.a.
S 12	22 47	10 13	3 59	25 13	1 27	7 53	3 41	11 16	0 34	20 20	1 9	11 8	2 4	23 32	0 14	15 18	1 17	27 46	4 1	12 59	12 30	26 34			n.a.
S 13	22 54	4 12	3 8	25 3	1 18	8 8	3 43	11 32	0 33	20 17	1 9	11 10	2 4	23 33	0 14	15 18	1 17	27 46	4 1	12 59	12 29	26 35			n.a.
M14	23 1	2s12	2 5	24 51	1 9	8 24	3 44	11 47	0 33	20 14	1 9	11 12	2 4	23 33	0 14	15 18	1 17	27 46	4 1	13 0	12 28	26 37			n.a.
T 15	23 8	8 43	0 52	24 38	0 58	8 41	3 46	12 2	0 32	20 11	1 8	11 14	2 4	23 33	0 14	15 18	1 17	27 46	4 1	13 0	12 27	26 38			n.a.
W16	23 13	15 0	0s26	24 23	0 46	8 57	3 47	12 17	0 32	20 8	1 8	11 15	2 4	23 34	0 14	15 18	1 17	27 46	4 1	13 0	12 26	26 39			n.a.
T 17	23 19	20 36	1 44	24 7	0 34	9 14	3 48	12 32	0 31	20 4	1 8	11 17	2 5	23 34	0 14	15 19	1 17	27 47	4 1	13 0	12 25	26 41			n.a.
F 18	23 24	24 58	2 57	23 50	0 20	9 32	3 48	12 47	0 30	20 1	1 8	11 19	2 5	23 34	0 14	15 19	1 17	27 47	4 1	12 59	12 24	26 42			n.a.
S 19	23 28	27 35	3 57	23 32	0 5	9 49	3 49	13 2	0 30	19 58	1 8	11 21	2 5	23 34	0 14	15 19	1 17	27 47	4 1	12 57	12 23	26 43			n.a.
S 20	23 32	28 7	4 40	23 13	0n11	10 7	3 49	13 17	0 29	19 55	1 8	11 23	2 5	23 35	0 14	15 19	1 17	27 47	4 1	12 54	12 22	26 45			n.a.
M21	23 36	26 32	5 3	22 54	0 27	10 25	3 49	13 32	0 28	19 52	1 8	11 24	2 5	23 35	0 14	15 19	1 17	27 47	4 2	12 51	12 21	26 46			n.a.
T 22	23 39	23 10	5 6	22 35	0 45	10 43	3 49	13 46	0 28	19 48	1 8	11 26	2 5	23 35	0 14	15 20	1 17	27 47	4 2	12 49	12 19	26 47			n.a.
W23	23 41	18 29	4 49	22 16	1 3	11 1	3 48	14 1	0 27	19 45	1 8	11 28	2 5	23 36	0 14	15 20	1 17	27 47	4 2	12 47	12 18	26 49			n.a.
T 24	23 43	13 0	4 16	21 58	1 21	11 19	3 48	14 15	0 26	19 42	1 8	11 30	2 5	23 36	0 14	15 20	1 17	27 47	4 2	12 45	12 17	26 50			n.a.
F 25	23 45	7 7	3 30	21 41	1 40	11 38	3 47	14 29	0 26	19 38	1 8	11 31	2 5	23 36	0 14	15 21	1 17	27 47	4 2	12 44	12 16	26 51			n.a.
S 26	23 46	1 7	2 34	21 24	1 58	11 56	3 46	14 44	0 25	19 35	1 8	11 33	2 5	23 37	0 14	15 21	1 17	27 47	4 2	12 44	12 15	26 52			n.a.
S 27	23 47	4n47	1 33	21 9	2 16	12 15	3 45	14 58	0 24	19 32	1 8	11 34	2 6	23 37	0 14	15 21	1 18	27 48	4 2	12 45	12 14	26 54			n.a.
M28	23 47	10 22	0 29	20 55	2 33	12 34	3 44	15 12	0 24	19 28	1 7	11 36	2 6	23 37	0 14	15 22	1 18	27 48	4 2	12 45	12 13	26 55			n.a.
T 29	23 47	15 30	0n35	20 43	2 49	12 52	3 42	15 25	0 23	19 25	1 7	11 38	2 6	23 37	0 14	15 22	1 18	27 48	4 2	12 45	12 12	26 56			n.a.
W30	23 46	19 59	1 37	20 32	3 4	13 11	3 41	15 39	0 22	19 21	1 7	11 39	2 6	23 38	0 14	15 22	1 18	27 48	4 2	12 44	12 10	26 57			n.a.
T 31	23s45	23n40	2n34	20s23	3n16	13s30	3n39	15s53	0n22	19s18	1s 7	11s41	2n 6	23s38	0s14	15n23	1n18	27s48	4s 2	12n43	12n 9	26n59			n.a.

Julian Day Number = 1467543.5, Delta T = 05h33m53s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'23, Lahiri = -13°33'23 Julian Calendar 1 Dec. 696 BCE == Greg. Calendar 24 Nov. 696 BCE

The year -695 astronomical counting style corresponds to year 696 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

JANUARY 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 11 55	4♉11'49	15♊15	4°R42	17♏28	14♏34	9♒24	5♏55	20♐ 1	22°R39	27♐52	2°R57	1♉26	18♊16	n.a.	F 1
S 2	6 15 51	5°12'38	27° 6	3♉29	18°29	15°16	9°38	6° 0	20° 5	22♑38	27°54	2♉47	1°22	18°23	n.a.	S 2
S 3	6 19 48	6°13'26	9♋ 0	2°17	19°30	15°59	9°51	6° 4	20° 8	22°37	27°56	2°36	1°19	18°29	n.a.	S 3
M 4	6 23 45	7°14'12	21° 0	1° 7	20°31	16°41	10° 4	6° 9	20°12	22°36	27°58	2°23	1°16	18°36	n.a.	M 4
T 5	6 27 41	8°14'58	3♌ 7	0° 1	21°32	17°24	10°17	6°13	20°15	22°35	27°59	2°10	1°13	18°43	n.a.	T 5
W 6	6 31 38	9°15'41	15°21	29♐ 1	22°34	18° 7	10°31	6°18	20°18	22°34	28° 1	1°59	1°10	18°49	n.a.	W 6
T 7	6 35 34	10°16'24	27°44	28° 7	23°37	18°49	10°44	6°22	20°22	22°33	28° 3	1°49	1° 7	18°56	n.a.	T 7
F 8	6 39 31	11°17'05	10♍19	27°21	24°39	19°32	10°58	6°26	20°25	22°32	28° 5	1°42	1° 3	19° 3	n.a.	F 8
S 9	6 43 27	12°17'44	23° 7	26°42	25°42	20°15	11°11	6°30	20°29	22°31	28° 7	1°38	1° 0	19° 9	n.a.	S 9
S 10	6 47 24	13°18'22	6♎11	26°12	26°45	20°58	11°25	6°34	20°32	22°30	28° 9	1°37	0°57	19°16	n.a.	S 10
M11	6 51 20	14°18'59	19°36	25°49	27°49	21°40	11°38	6°38	20°35	22°28	28°11	1°D36	0°54	19°23	n.a.	M11
T 12	6 55 17	15°19'35	3♏22	25°34	28°53	22°23	11°52	6°42	20°39	22°27	28°13	1°R37	0°51	19°29	n.a.	T 12
W13	6 59 14	16°20'09	17°32	25°27	29°57	23° 6	12° 6	6°46	20°42	22°26	28°14	1°36	0°48	19°36	n.a.	W13
T 14	7 3 10	17°20'42	2♐ 6	25°D26	1♐ 1	23°49	12°19	6°50	20°45	22°25	28°16	1°33	0°44	19°43	n.a.	T 14
F 15	7 7 7	18°21'14	16°59	25°33	2° 5	24°32	12°33	6°54	20°48	22°23	28°18	1°27	0°41	19°50	n.a.	F 15
S 16	7 11 3	19°21'44	2♉ 5	25°46	3°10	25°15	12°47	6°57	20°52	22°22	28°20	1°19	0°38	19°56	n.a.	S 16
S 17	7 15 0	20°22'12	17°15	26° 5	4°15	25°57	13° 1	7° 1	20°55	22°21	28°22	1° 8	0°35	20° 3	n.a.	S 17
M18	7 18 56	21°22'39	2♒18	26°30	5°21	26°40	13°15	7° 4	20°58	22°19	28°23	0°56	0°32	20°10	n.a.	M18
T 19	7 22 53	22°23'03	17° 5	26°59	6°26	27°23	13°29	7° 7	21° 1	22°18	28°25	0°45	0°28	20°16	n.a.	T 19
W20	7 26 49	23°23'26	1♓26	27°34	7°32	28° 6	13°43	7°11	21° 4	22°17	28°27	0°35	0°25	20°23	n.a.	W20
T 21	7 30 46	24°23'46	15°19	28°13	8°38	28°49	13°57	7°14	21° 7	22°15	28°29	0°28	0°22	20°30	n.a.	T 21
F 22	7 34 43	25°24'04	28°43	28°56	9°44	29°32	14°11	7°17	21°11	22°14	28°31	0°23	0°19	20°36	n.a.	F 22
S 23	7 38 39	26°24'20	11♈38	29°42	10°50	0♗15	14°25	7°20	21°14	22°12	28°32	0°21	0°16	20°43	n.a.	S 23
S 24	7 42 36	27°24'34	24°10	0♉32	11°56	0°58	14°39	7°23	21°17	22°11	28°34	0°21	0°13	20°50	n.a.	S 24
M25	7 46 32	28°24'46	6♉22	1°26	13° 3	1°41	14°53	7°26	21°20	22° 9	28°36	0°21	0° 9	20°56	n.a.	M25
T 26	7 50 29	29°24'56	18°22	2°22	14° 9	2°24	15° 8	7°28	21°23	22° 8	28°37	0°20	0° 6	21° 3	n.a.	T 26
W27	7 54 25	0♒25'03	0♊13	3°22	15°16	3° 8	15°22	7°31	21°26	22° 6	28°39	0°17	0° 3	21°10	n.a.	W27
T 28	7 58 22	1°25'08	12° 1	4°23	16°23	3°51	15°36	7°33	21°29	22° 5	28°41	0°12	29♈59	21°17	n.a.	T 28
F 29	8 2 18	2°25'11	23°51	5°28	17°31	4°34	15°50	7°36	21°31	22° 3	28°42	0° 4	29°57	21°23	n.a.	F 29
S 30	8 6 15	3°25'12	5♋45	6°34	18°38	5°17	16° 4	7°38	21°34	22° 2	28°44	29♈53	29°54	21°30	n.a.	S 30
S 31	8 10 12	4♒25'11	17♋45	7♉43	19♐45	6♐ 0	16♒19	7♏40	21♐37	22♑ 0	28♐46	29♈40	29♈50	21♊37	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s43	26n20	3n25	20s15	3n26	13s49	3n38	16s 6	0n21	19s14	1s 7	11s42	2n 6	23s38	0s14	15n23	1n18	27s48	4s 2	12n40	12n 8	27n 0		n.a.
S 2	23 41	27 51	4 6	20 10	3 34	14 7	3 36	16 20	0 20	19 10	1 7	11 43	2 6	23 39	0 14	15 23	1 18	27 48	4 3	12 37	12 7	27 1		n.a.
S 3	23 38	28 5	4 37	20 6	3 40	14 26	3 34	16 33	0 19	19 7	1 7	11 45	2 6	23 39	0 14	15 24	1 18	27 48	4 3	12 33	12 6	27 2		n.a.
M 4	23 35	26 59	4 56	20 3	3 43	14 44	3 32	16 46	0 19	19 3	1 7	11 46	2 7	23 39	0 14	15 24	1 18	27 49	4 3	12 28	12 5	27 3		n.a.
T 5	23 31	24 38	5 2	20 3	3 44	15 2	3 29	16 59	0 18	18 59	1 7	11 48	2 7	23 39	0 14	15 24	1 18	27 49	4 3	12 24	12 4	27 5		n.a.
W 6	23 27	21 8	4 54	20 4	3 43	15 21	3 27	17 12	0 17	18 56	1 7	11 49	2 7	23 40	0 14	15 25	1 18	27 49	4 3	12 20	12 3	27 6		n.a.
T 7	23 23	16 40	4 32	20 6	3 40	15 39	3 24	17 24	0 16	18 52	1 7	11 50	2 7	23 40	0 14	15 25	1 18	27 49	4 3	12 16	12 2	27 7		n.a.
F 8	23 18	11 27	3 57	20 11	3 35	15 57	3 22	17 37	0 16	18 48	1 7	11 51	2 7	23 40	0 14	15 26	1 18	27 49	4 3	12 14	12 0	27 8		n.a.
S 9	23 12	5 40	3 9	20 16	3 28	16 14	3 19	17 49	0 15	18 44	1 7	11 53	2 7	23 40	0 14	15 26	1 18	27 49	4 3	12 13	11 59	27 9		n.a.
S 10	23 6	0s30	2 11	20 23	3 20	16 32	3 16	18 1	0 14	18 40	1 7	11 54	2 7	23 41	0 14	15 26	1 18	27 49	4 3	12 12	11 58	27 10		n.a.
M11	23 0	6 48	1 3	20 31	3 12	16 49	3 13	18 14	0 13	18 36	1 7	11 55	2 8	23 41	0 14	15 27	1 18	27 49	4 3	12 12	11 57	27 12		n.a.
T 12	22 53	12 58	0s 9	20 41	3 2	17 6	3 10	18 26	0 13	18 33	1 7	11 56	2 8	23 41	0 14	15 27	1 18	27 50	4 4	12 12	11 56	27 13		n.a.
W13	22 46	18 38	1 23	20 51	2 51	17 23	3 7	18 37	0 12	18 29	1 7	11 57	2 8	23 41	0 14	15 28	1 18	27 50	4 4	12 12	11 55	27 14		n.a.
T 14	22 38	23 23	2 34	21 2	2 41	17 39	3 4	18 49	0 11	18 25	1 7	11 58	2 8	23 42	0 14	15 28	1 18	27 50	4 4	12 11	11 54	27 15		n.a.
F 15	22 30	26 42	3 35	21 13	2 29	17 55	3 1	19 0	0 10	18 21	1 7	12 0	2 8	23 42	0 15	15 29	1 18	27 50	4 4	12 9	11 53	27 16		n.a.
S 16	22 22	28 9	4 23	21 25	2 18	18 11	2 58	19 12	0 9	18 17	1 7	12 1	2 8	23 42	0 15	15 29	1 18	27 50	4 4	12 6	11 51	27 17		n.a.
S 17	22 13	27 28	4 52	21 37	2 6	18 27	2 54	19 23	0 8	18 13	1 7	12 2	2 9	23 42	0 15	15 30	1 18	27 50	4 4	12 2	11 50	27 18		n.a.
M18	22 3	24 48	5 0	21 50	1 54	18 42	2 51	19 34	0 8	18 9	1 7	12 3	2 9	23 43	0 15	15 30	1 18	27 50	4 4	11 58	11 49	27 19		n.a.
T 19	21 54	20 31	4 49	22 2	1 43	18 57	2 47	19 45	0 7	18 4	1 7	12 4	2 9	23 43	0 15	15 31	1 18	27 51	4 4	11 54	11 48	27 20		n.a.
W20	21 43	15 8	4 19	22 14	1 31	19 11	2 44	19 55	0 6	18 0	1 7	12 4	2 9	23 43	0 15	15 31	1 19	27 51	4 4	11 50	11 47	27 22		n.a.
T 21	21 33	9 9	3 34	22 27	1 20	19 25	2 40	20 6	0 5	17 56	1 7	12 5	2 9	23 43	0 15	15 32	1 19	27 51	4 5	11 48	11 46	27 23		n.a.
F 22	21 22	2 57	2 39	22 38	1 8	19 39	2 36	20 16	0 4	17 52	1 7	12 6	2 9	23 44	0 15	15 32	1 19	27 51	4 5	11 46	11 45	27 24		n.a.
S 23	21 10	3n11	1 37	22 50	0 57	19 52	2 33	20 26	0 3	17 48	1 7	12 7	2 10	23 44	0 15	15 33	1 19	27 51	4 5	11 45	11 44	27 25		n.a.
S 24	20 59	9 0	0 33	23 1	0 46	20 5	2 29	20 36	0 2	17 44	1 7	12 8	2 10	23 44	0 15	15 33	1 19	27 51	4 5	11 45	11 42	27 26		n.a.
M25	20 46	14 20	0n32	23 11	0 35	20 17	2 25	20 46	0 2	17 40	1 7	12 9	2 10	23 44	0 15	15 34	1 19	27 52	4 5	11 45	11 41	27 27		n.a.
T 26	20 34	19 2	1 34	23 21	0 25	20 29	2 21	20 56	0 1	17 35	1 7	12 9	2 10	23 44	0 15	15 34	1 19	27 52	4 5	11 45	11 40	27 28		n.a.
W27	20 21	22 56	2 31	23 30	0 14	20 41	2 17	21 5	0s 0	17 31	1 7	12 10	2 10	23 45	0 15	15 35	1 19	27 52	4 5	11 44	11 39	27 29		n.a.
T 28	20 8	25 52	3 21	23 38	0 5	20 52	2 13	21 14	0 1	17 27	1 7	12 11	2 10	23 45	0 15	15 35	1 19	27 52	4 6	11 42	11 38	27 30		n.a.
F 29	19 54	27 40	4 3	23 45	0s 5	21 2	2 9	21 23	0 2	17 22	1 7	12 11	2 11	23 45	0 15	15 36	1 19	27 52	4 6	11 39	11 37	27 31		n.a.
S 30	19 40	28 13	4 34	23 51	0 15	21 12	2 5	21 32	0 3	17 18	1 7	12 12	2 11	23 45	0 15	15 36	1 19	27 52	4 6	11 36	11 36	27 32		n.a.
S 31	19s26	27n25	4n53	23s57	0s24	21s22	2n 1	21s41	0s 4	17s14	1s 7	12s12	2n11	23s45	0s15	15n37	1n19	27s52	4s 6	11n31	11n34	27n33		n.a.

Julian Day Number = 1467574.5, Delta T = 05h33m51s
Ecliptic obliquity = 23°46'51, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'19, Lahiri = -13°33'19 Julian Calendar 1 Jan. 695 BCE == Greg. Calendar 25 Dec. 696 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

FEBRUARY 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 14 8	5♒25'07	29♋54	8♉54	20♐53	6♐43	16♒33	7♏43	21♐40	21°R59	28♐47	29°R26	29♈47	21♊43	n.a.	M 1
T 2	8 18 5	6°25'02	12♌13	10° 7	22° 1	7°26	16°47	7°45	21°43	21♌57	28°49	29♈12	29°44	21°50	n.a.	T 2
W 3	8 22 1	7°24'54	24°42	11°22	23° 9	8°10	17° 2	7°47	21°45	21°56	28°50	28°59	29°41	21°57	n.a.	W 3
T 4	8 25 58	8°24'44	7♍20	12°38	24°17	8°53	17°16	7°49	21°48	21°54	28°52	28°48	29°38	22° 3	n.a.	T 4
F 5	8 29 54	9°24'33	20°10	13°56	25°25	9°36	17°30	7°50	21°51	21°52	28°54	28°40	29°34	22°10	n.a.	F 5
S 6	8 33 51	10°24'19	3♎10	15°16	26°33	10°19	17°45	7°52	21°54	21°51	28°55	28°36	29°31	22°17	n.a.	S 6
S 7	8 37 47	11°24'04	16°23	16°37	27°42	11° 3	17°59	7°54	21°56	21°49	28°57	28°33	29°28	22°24	n.a.	S 7
M 8	8 41 44	12°23'46	29°50	18° 0	28°50	11°46	18°14	7°55	21°59	21°47	28°58	28°D33	29°25	22°30	n.a.	M 8
T 9	8 45 41	13°23'27	13♏33	19°24	29°59	12°29	18°28	7°56	22° 1	21°46	29° 0	28°R33	29°22	22°37	n.a.	T 9
W10	8 49 37	14°23'06	27°33	20°50	1♑ 8	13°13	18°42	7°58	22° 4	21°44	29° 1	28°32	29°19	22°44	n.a.	W10
T 11	8 53 34	15°22'44	11♐50	22°17	2°17	13°56	18°57	7°59	22° 6	21°43	29° 2	28°30	29°15	22°50	n.a.	T 11
F 12	8 57 30	16°22'19	26°22	23°46	3°25	14°39	19°11	8° 0	22° 9	21°41	29° 4	28°25	29°12	22°57	n.a.	F 12
S 13	9 1 27	17°21'53	11♑ 5	25°16	4°35	15°23	19°26	8° 1	22°11	21°39	29° 5	28°18	29° 9	23° 4	n.a.	S 13
S 14	9 5 23	18°21'25	25°52	26°47	5°44	16° 6	19°40	8° 2	22°13	21°38	29° 7	28° 8	29° 6	23°10	n.a.	S 14
M15	9 9 20	19°20'54	10♒36	28°20	6°53	16°50	19°55	8° 3	22°16	21°36	29° 8	27°57	29° 3	23°17	n.a.	M15
T 16	9 13 16	20°20'22	25° 9	29°54	8° 2	17°33	20° 9	8° 3	22°18	21°34	29° 9	27°47	29° 0	23°24	n.a.	T 16
W17	9 17 13	21°19'47	9♓23	1♒29	9°12	18°16	20°24	8° 4	22°20	21°33	29°11	27°38	28°56	23°30	n.a.	W17
T 18	9 21 10	22°19'10	23°13	3° 6	10°21	19° 0	20°38	8° 4	22°22	21°31	29°12	27°31	28°53	23°37	n.a.	T 18
F 19	9 25 6	23°18'30	6♈37	4°44	11°31	19°43	20°52	8° 5	22°25	21°29	29°13	27°26	28°50	23°44	n.a.	F 19
S 20	9 29 3	24°17'48	19°35	6°23	12°40	20°27	21° 7	8° 5	22°27	21°28	29°14	27°24	28°47	23°51	n.a.	S 20
S 21	9 32 59	25°17'04	2♉11	8° 4	13°50	21°10	21°21	8° 5	22°29	21°26	29°16	27°D24	28°44	23°57	n.a.	S 21
M22	9 36 56	26°16'18	14°27	9°46	15° 0	21°53	21°36	8°R 5	22°31	21°24	29°17	27°25	28°40	24° 4	n.a.	M22
T 23	9 40 52	27°15'29	26°30	11°29	16° 9	22°37	21°50	8° 5	22°33	21°23	29°18	27°R25	28°37	24°11	n.a.	T 23
W24	9 44 49	28°14'37	8♊23	13°14	17°19	23°20	22° 4	8° 5	22°35	21°21	29°19	27°25	28°34	24°17	n.a.	W24
T 25	9 48 45	29°13'43	20°14	15° 0	18°29	24° 4	22°19	8° 5	22°37	21°19	29°20	27°22	28°31	24°24	n.a.	T 25
F 26	9 52 42	0♓12'47	2♋ 5	16°47	19°39	24°47	22°33	8° 5	22°39	21°18	29°21	27°17	28°28	24°31	n.a.	F 26
S 27	9 56 38	1°11'48	14° 2	18°36	20°49	25°31	22°48	8° 4	22°40	21°16	29°22	27°10	28°25	24°37	n.a.	S 27
S 28	10 0 35	2♓10'47	26♋ 8	20♒27	21♑59	26♐14	23♒ 2	8♏ 4	22♐42	21♌15	29♐24	27♈ 2	28♈21	24♊44	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s11	25n20	4n59	24s 1	0s32	21s31	1n57	21s49	0s 5	17s 9	1s 7	12s13	2n11	23s46	0s15	15n37	1n19	27s53	4s 6	11n26	11n33	27n34		n.a.
T 2	18 56	22 2	4 52	24 4	0 41	21 39	1 53	21 58	0 6	17 5	1 7	12 13	2 11	23 46	0 15	15 38	1 19	27 53	4 6	11 21	11 32	27 35		n.a.
W 3	18 41	17 43	4 30	24 6	0 49	21 47	1 49	22 6	0 7	17 1	1 7	12 14	2 11	23 46	0 15	15 38	1 19	27 53	4 6	11 16	11 31	27 36		n.a.
T 4	18 25	12 34	3 55	24 7	0 57	21 55	1 45	22 13	0 8	16 56	1 7	12 14	2 12	23 46	0 15	15 39	1 19	27 53	4 7	11 12	11 30	27 37		n.a.
F 5	18 9	6 49	3 8	24 6	1 4	22 1	1 41	22 21	0 9	16 52	1 7	12 15	2 12	23 46	0 15	15 40	1 19	27 53	4 7	11 9	11 29	27 38		n.a.
S 6	17 53	0 42	2 10	24 4	1 11	22 8	1 37	22 29	0 10	16 47	1 7	12 15	2 12	23 47	0 15	15 40	1 19	27 53	4 7	11 8	11 28	27 39		n.a.
S 7	17 36	5s33	1 4	24 1	1 18	22 13	1 32	22 36	0 11	16 43	1 7	12 16	2 12	23 47	0 15	15 41	1 19	27 54	4 7	11 7	11 27	27 40		n.a.
M 8	17 20	11 41	0s 7	23 56	1 24	22 18	1 28	22 43	0 12	16 38	1 7	12 16	2 12	23 47	0 15	15 41	1 19	27 54	4 7	11 7	11 25	27 41		n.a.
T 9	17 2	17 23	1 19	23 50	1 30	22 23	1 24	22 50	0 13	16 34	1 7	12 16	2 12	23 47	0 15	15 42	1 19	27 54	4 7	11 7	11 24	27 42		n.a.
W10	16 45	22 17	2 27	23 43	1 36	22 27	1 20	22 56	0 14	16 29	1 7	12 16	2 13	23 47	0 15	15 42	1 19	27 54	4 8	11 6	11 23	27 42		n.a.
T 11	16 27	25 58	3 28	23 34	1 41	22 30	1 16	23 3	0 15	16 25	1 7	12 17	2 13	23 47	0 15	15 43	1 19	27 54	4 8	11 6	11 22	27 43		n.a.
F 12	16 9	28 0	4 16	23 24	1 46	22 33	1 12	23 9	0 16	16 20	1 7	12 17	2 13	23 48	0 15	15 43	1 19	27 55	4 8	11 4	11 21	27 44		n.a.
S 13	15 51	28 6	4 48	23 12	1 50	22 35	1 7	23 15	0 17	16 16	1 7	12 17	2 13	23 48	0 15	15 44	1 19	27 55	4 8	11 1	11 20	27 45		n.a.
S 14	15 33	26 12	5 2	22 58	1 54	22 36	1 3	23 20	0 18	16 11	1 7	12 17	2 13	23 48	0 15	15 45	1 19	27 55	4 8	10 58	11 19	27 46		n.a.
M15	15 14	22 32	4 55	22 43	1 58	22 37	0 59	23 26	0 19	16 6	1 7	12 17	2 14	23 48	0 15	15 45	1 19	27 55	4 8	10 54	11 17	27 47		n.a.
T 16	14 55	17 32	4 29	22 26	2 1	22 37	0 55	23 31	0 20	16 2	1 7	12 17	2 14	23 48	0 15	15 46	1 19	27 55	4 9	10 50	11 16	27 48		n.a.
W17	14 36	11 39	3 46	22 8	2 4	22 37	0 51	23 36	0 21	15 57	1 7	12 17	2 14	23 48	0 15	15 46	1 19	27 55	4 9	10 47	11 15	27 49		n.a.
T 18	14 16	5 21	2 51	21 47	2 6	22 35	0 47	23 41	0 22	15 53	1 7	12 17	2 14	23 49	0 15	15 47	1 19	27 56	4 9	10 44	11 14	27 49		n.a.
F 19	13 57	1n 0	1 48	21 26	2 8	22 34	0 43	23 46	0 23	15 48	1 7	12 17	2 14	23 49	0 15	15 47	1 19	27 56	4 9	10 42	11 13	27 50		n.a.
S 20	13 37	7 8	0 42	21 2	2 10	22 31	0 39	23 50	0 24	15 43	1 7	12 17	2 14	23 49	0 15	15 48	1 19	27 56	4 9	10 42	11 12	27 51		n.a.
S 21	13 17	12 48	0n26	20 37	2 11	22 28	0 35	23 54	0 25	15 39	1 7	12 17	2 15	23 49	0 15	15 48	1 19	27 56	4 9	10 42	11 11	27 52		n.a.
M22	12 56	17 50	1 30	20 10	2 11	22 25	0 31	23 58	0 27	15 34	1 7	12 17	2 15	23 49	0 15	15 49	1 19	27 56	4 10	10 42	11 9	27 53		n.a.
T 23	12 36	22 4	2 29	19 41	2 11	22 20	0 27	24 2	0 28	15 29	1 7	12 17	2 15	23 49	0 15	15 50	1 19	27 57	4 10	10 42	11 8	27 54		n.a.
W24	12 15	25 19	3 21	19 11	2 11	22 16	0 23	24 5	0 29	15 25	1 7	12 16	2 15	23 49	0 15	15 50	1 19	27 57	4 10	10 42	11 7	27 54		n.a.
T 25	11 54	27 28	4 4	18 38	2 10	22 10	0 19	24 9	0 30	15 20	1 7	12 16	2 15	23 49	0 15	15 51	1 19	27 57	4 10	10 41	11 6	27 55		n.a.
F 26	11 33	28 22	4 36	18 4	2 9	22 4	0 15	24 12	0 31	15 15	1 7	12 16	2 15	23 50	0 15	15 51	1 19	27 57	4 10	10 39	11 5	27 56		n.a.
S 27	11 12	27 57	4 57	17 28	2 7	21 57	0 12	24 14	0 32	15 11	1 8	12 16	2 16	23 50	0 15	15 52	1 19	27 57	4 10	10 37	11 4	27 57		n.a.
S 28	10s51	26n13	5n 5	16s51	2s 4	21s50	0n 8	24s17	0s33	15s 6	1s 8	12s15	2n16	23s50	0s15	15n52	1n19	27s57	4s11	10n34	11n 3	27n58		n.a.

Julian Day Number = 1467605.5, Delta T = 05h33m50s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'15, Lahiri = -13°33'15 Julian Calendar 1 Feb. 695 BCE == Greg. Calendar 25 Jan. 695 BCE

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

MARCH 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 4 32	3♓ 9'44	8♌26	22♒18	23♉10	26♐58	23♒16	8°R 3	22♐44	21°R13	29♐25	26°R52	28♈18	24♊51	n.a.	M 1
T 2	10 8 28	4° 8'38	20°57	24°11	24°20	27°41	23°31	8♏ 3	22°45	21♌11	29°26	26♈42	28°15	24°58	n.a.	T 2
W 3	10 12 25	5° 7'31	3♍42	26° 6	25°30	28°25	23°45	8° 2	22°47	21°10	29°27	26°33	28°12	25° 4	n.a.	W 3
T 4	10 16 21	6° 6'21	16°39	28° 2	26°41	29° 8	23°59	8° 1	22°49	21° 8	29°28	26°25	28° 9	25°11	n.a.	T 4
F 5	10 20 18	7° 5'08	29°50	29°59	27°51	29°52	24°13	8° 0	22°50	21° 6	29°28	26°20	28° 6	25°18	n.a.	F 5
S 6	10 24 14	8° 3'54	13♎12	1♓58	29° 2	0♉35	24°28	7°59	22°52	21° 5	29°29	26°17	28° 2	25°24	n.a.	S 6
S 7	10 28 11	9° 2'38	26°45	3°58	0♒12	1°19	24°42	7°58	22°53	21° 3	29°30	26°D16	27°59	25°31	n.a.	S 7
M 8	10 32 7	10° 1'20	10♏28	5°59	1°23	2° 2	24°56	7°57	22°55	21° 2	29°31	26°17	27°56	25°38	n.a.	M 8
T 9	10 36 4	11° 0'01	24°20	8° 2	2°33	2°45	25°10	7°55	22°56	21° 0	29°32	26°18	27°53	25°44	n.a.	T 9
W10	10 40 0	11°58'39	8♐22	10° 5	3°44	3°29	25°24	7°54	22°57	20°59	29°33	26°R19	27°50	25°51	n.a.	W10
T 11	10 43 57	12°57'16	22°32	12°10	4°55	4°12	25°38	7°52	22°59	20°57	29°34	26°19	27°46	25°58	n.a.	T 11
F 12	10 47 54	13°55'51	6♑48	14°15	6° 5	4°56	25°52	7°51	23° 0	20°56	29°34	26°17	27°43	26° 5	n.a.	F 12
S 13	10 51 50	14°54'25	21° 9	16°22	7°16	5°39	26° 6	7°49	23° 1	20°54	29°35	26°13	27°40	26°11	n.a.	S 13
S 14	10 55 47	15°52'56	5♒30	18°28	8°27	6°23	26°20	7°47	23° 2	20°53	29°36	26° 8	27°37	26°18	n.a.	S 14
M15	10 59 43	16°51'26	19°46	20°35	9°38	7° 6	26°34	7°45	23° 3	20°51	29°36	26° 2	27°34	26°25	n.a.	M15
T 16	11 3 40	17°49'54	3♓53	22°42	10°49	7°50	26°48	7°43	23° 4	20°50	29°37	25°55	27°31	26°31	n.a.	T 16
W17	11 7 36	18°48'20	17°45	24°49	12° 0	8°33	27° 2	7°41	23° 5	20°48	29°38	25°50	27°27	26°38	n.a.	W17
T 18	11 11 33	19°46'43	1♈19	26°56	13°11	9°17	27°16	7°39	23° 6	20°47	29°38	25°46	27°24	26°45	n.a.	T 18
F 19	11 15 29	20°45'05	14°33	29° 2	14°22	10° 0	27°30	7°37	23° 7	20°46	29°39	25°44	27°21	26°52	n.a.	F 19
S 20	11 19 26	21°43'25	27°26	1♈ 6	15°33	10°43	27°44	7°34	23° 8	20°44	29°39	25°D43	27°18	26°58	n.a.	S 20
S 21	11 23 23	22°41'43	10♉ 0	3° 9	16°44	11°27	27°58	7°32	23° 8	20°43	29°40	25°44	27°15	27° 5	n.a.	S 21
M22	11 27 19	23°39'58	22°17	5°11	17°56	12°10	28°11	7°30	23° 9	20°42	29°40	25°46	27°11	27°12	n.a.	M22
T 23	11 31 16	24°38'12	4♊21	7°10	19° 7	12°53	28°25	7°27	23°10	20°40	29°41	25°48	27° 8	27°18	n.a.	T 23
W24	11 35 12	25°36'23	16°17	9° 7	20°18	13°37	28°39	7°24	23°10	20°39	29°41	25°49	27° 5	27°25	n.a.	W24
T 25	11 39 9	26°34'32	28° 9	11° 2	21°29	14°20	28°52	7°22	23°11	20°38	29°42	25°R49	27° 2	27°32	n.a.	T 25
F 26	11 43 5	27°32'40	10♋ 2	12°54	22°41	15° 3	29° 6	7°19	23°12	20°36	29°42	25°48	26°59	27°38	n.a.	F 26
S 27	11 47 2	28°30'45	22° 1	14°42	23°52	15°46	29°19	7°16	23°12	20°35	29°42	25°46	26°56	27°45	n.a.	S 27
S 28	11 50 58	29°28'48	4♌11	16°27	25° 3	16°30	29°33	7°13	23°12	20°34	29°43	25°43	26°52	27°52	n.a.	S 28
M29	11 54 55	0♈26'49	16°34	18° 9	26°15	17°13	29°46	7°10	23°13	20°33	29°43	25°40	26°49	27°59	n.a.	M29
T 30	11 58 52	1°24'48	29°13	19°47	27°26	17°56	29°59	7° 7	23°13	20°32	29°43	25°36	26°46	28° 5	n.a.	T 30
W31	12 2 48	2♈22'45	12♍10	21♈22	28♒37	18♉39	0♓13	7♏ 4	23♐13	20♌30	29♐44	25♈32	26♈43	28♊12	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	10s29	23n13	4n59	16s11	2s 1	21s42	0n 4	24s19	0s35	15s 1	1s 8	12s15	2n16	23s50	0s15	15n53	1n19	27s58	4s11	10n30	11n 1	27n58			n.a.
T 2	10 8	19 6	4 39	15 30	1 58	21 33	0 0	24 21	0 36	14 56	1 8	12 15	2 16	23 50	0 15	15 53	1 19	27 58	4 11	10 26	11 0	27 59			n.a.
W 3	9 46	14 4	4 4	14 47	1 54	21 24	0s 3	24 23	0 37	14 52	1 8	12 14	2 16	23 50	0 15	15 54	1 19	27 58	4 11	10 23	10 59	28 0			n.a.
T 4	9 24	8 21	3 16	14 2	1 49	21 14	0 7	24 25	0 38	14 47	1 8	12 14	2 16	23 50	0 15	15 54	1 19	27 58	4 11	10 20	10 58	28 1			n.a.
F 5	9 2	2 10	2 17	13 16	1 44	21 3	0 10	24 26	0 39	14 42	1 8	12 13	2 17	23 50	0 15	15 55	1 19	27 58	4 12	10 18	10 57	28 1			n.a.
S 6	8 40	4s13	1 10	12 27	1 39	20 52	0 14	24 27	0 40	14 37	1 8	12 13	2 17	23 51	0 15	15 55	1 19	27 59	4 12	10 17	10 56	28 2			n.a.
S 7	8 18	10 30	0s 3	11 38	1 32	20 41	0 17	24 28	0 42	14 33	1 8	12 12	2 17	23 51	0 15	15 56	1 19	27 59	4 12	10 17	10 54	28 3			n.a.
M 8	7 55	16 22	1 16	10 46	1 26	20 28	0 21	24 29	0 43	14 28	1 8	12 12	2 17	23 51	0 15	15 56	1 19	27 59	4 12	10 17	10 53	28 3			n.a.
T 9	7 33	21 28	2 26	9 53	1 18	20 15	0 24	24 29	0 44	14 23	1 8	12 11	2 17	23 51	0 15	15 57	1 19	27 59	4 12	10 18	10 52	28 4			n.a.
W10	7 10	25 26	3 27	8 59	1 10	20 2	0 27	24 29	0 45	14 18	1 8	12 11	2 17	23 51	0 15	15 57	1 19	27 59	4 13	10 18	10 51	28 5			n.a.
T 11	6 47	27 51	4 17	8 3	1 2	19 48	0 30	24 29	0 46	14 14	1 8	12 10	2 18	23 51	0 16	15 58	1 19	28 0	4 13	10 18	10 50	28 6			n.a.
F 12	6 25	28 27	4 52	7 6	0 53	19 33	0 34	24 29	0 48	14 9	1 9	12 9	2 18	23 51	0 16	15 58	1 19	28 0	4 13	10 17	10 49	28 6			n.a.
S 13	6 2	27 9	5 8	6 8	0 44	19 18	0 37	24 28	0 49	14 4	1 9	12 9	2 18	23 51	0 16	15 59	1 19	28 0	4 13	10 16	10 48	28 7			n.a.
S 14	5 39	24 5	5 5	5 9	0 34	19 3	0 40	24 28	0 50	13 59	1 9	12 8	2 18	23 51	0 16	15 59	1 19	28 0	4 13	10 14	10 46	28 8			n.a.
M15	5 16	19 34	4 43	4 9	0 24	18 47	0 43	24 27	0 51	13 55	1 9	12 7	2 18	23 51	0 16	16 0	1 19	28 0	4 14	10 11	10 45	28 8			n.a.
T 16	4 53	14 1	4 4	3 9	0 14	18 30	0 46	24 25	0 53	13 50	1 9	12 6	2 18	23 51	0 16	16 0	1 19	28 1	4 14	10 9	10 44	28 9			n.a.
W17	4 29	7 50	3 12	2 8	0 3	18 13	0 48	24 24	0 54	13 45	1 9	12 5	2 18	23 51	0 16	16 1	1 19	28 1	4 14	10 7	10 43	28 9			n.a.
T 18	4 6	1 26	2 9	1 7	0n 8	17 55	0 51	24 22	0 55	13 40	1 9	12 5	2 19	23 52	0 16	16 1	1 19	28 1	4 14	10 6	10 42	28 10			n.a.
F 19	3 43	4n53	1 1	0 6	0 19	17 37	0 54	24 20	0 57	13 36	1 9	12 4	2 19	23 52	0 16	16 2	1 19	28 1	4 14	10 5	10 41	28 11			n.a.
S 20	3 20	10 51	0n 9	0n54	0 30	17 18	0 56	24 18	0 58	13 31	1 9	12 3	2 19	23 52	0 16	16 2	1 19	28 1	4 15	10 5	10 39	28 11			n.a.
S 21	2 56	16 14	1 17	1 54	0 41	16 59	0 59	24 16	0 59	13 26	1 10	12 2	2 19	23 52	0 16	16 2	1 19	28 2	4 15	10 5	10 38	28 12			n.a.
M22	2 33	20 51	2 20	2 53	0 52	16 39	1 1	24 13	1 0	13 22	1 10	12 1	2 19	23 52	0 16	16 3	1 19	28 2	4 15	10 6	10 37	28 13			n.a.
T 23	2 10	24 31	3 16	3 51	1 3	16 19	1 4	24 10	1 2	13 17	1 10	12 0	2 19	23 52	0 16	16 3	1 19	28 2	4 15	10 6	10 36	28 13			n.a.
W24	1 46	27 4	4 2	4 47	1 13	15 58	1 6	24 7	1 3	13 12	1 10	11 59	2 19	23 52	0 16	16 4	1 19	28 2	4 15	10 7	10 35	28 14			n.a.
T 25	1 23	28 24	4 38	5 42	1 24	15 37	1 9	24 4	1 4	13 7	1 10	11 58	2 20	23 52	0 16	16 4	1 19	28 2	4 16	10 7	10 34	28 14			n.a.
F 26	0 59	28 24	5 1	6 36	1 34	15 16	1 11	24 0	1 6	13 3	1 10	11 57	2 20	23 52	0 16	16 4	1 19	28 3	4 16	10 7	10 32	28 15			n.a.
S 27	0 36	27 5	5 13	7 27	1 43	14 54	1 13	23 57	1 7	12 58	1 10	11 56	2 20	23 52	0 16	16 5	1 19	28 3	4 16	10 6	10 31	28 15			n.a.
S 28	0 13	24 30	5 10	8 17	1 52	14 32	1 15	23 53	1 8	12 53	1 10	11 55	2 20	23 52	0 16	16 5	1 19	28 3	4 16	10 5	10 30	28 16			n.a.
M29	0n11	20 44	4 53	9 4	2 1	14 9	1 17	23 48	1 10	12 49	1 10	11 54	2 20	23 52	0 16	16 6	1 19	28 3	4 16	10 3	10 29	28 16			n.a.
T 30	0 34	15 59	4 21	9 50	2 9	13 46	1 19	23 44	1 11	12 44	1 11	11 53	2 20	23 52	0 16	16 6	1 19	28 3	4 17	10 2	10 28	28 17			n.a.
W31	0n58	10n25	3n36	10n32	2n16	13s23	1s21	23s39	1s12	12s40	1s11	11s52	2n20	23s52	0s16	16n 6	1n19	28s 4	4s17	10n 1	10n27	28n18			n.a.

Julian Day Number = 1467633.5, Delta T = 05h33m48s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'11, Lahiri = -13°33'11 Julian Calendar 1 March 695 BCE == Greg. Calendar 22 Feb. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

APRIL 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 6 45	3♈20'40	25♍25	22♈53	29♒49	19♑22	0♓26	7°R 1	23♐14	20°R29	29♐44	25°R29	26♈40	28♊19	n.a.	T 1
F 2	12 10 41	4°18'34	8♎57	24°20	1♓ 0	20° 5	0°39	6♏57	23°14	20♎28	29°44	25♈27	26°37	28°25	n.a.	F 2
S 3	12 14 38	5°16'26	22°44	25°42	2°12	20°48	0°52	6°54	23°14	20°27	29°44	25°D27	26°33	28°32	n.a.	S 3
S 4	12 18 34	6°14'16	6♏43	27° 1	3°24	21°31	1° 5	6°50	23°14	20°26	29°44	25°27	26°30	28°39	n.a.	S 4
M 5	12 22 31	7°12'05	20°51	28°16	4°35	22°14	1°18	6°47	23°R14	20°25	29°44	25°28	26°27	28°46	n.a.	M 5
T 6	12 26 27	8° 9'53	5♐ 4	29°26	5°47	22°57	1°31	6°43	23°14	20°24	29°44	25°29	26°24	28°52	n.a.	T 6
W 7	12 30 24	9° 7'39	19°20	0♉32	6°58	23°40	1°44	6°40	23°14	20°23	29°44	25°30	26°21	28°59	n.a.	W 7
T 8	12 34 20	10° 5'24	3♑35	1°34	8°10	24°23	1°57	6°36	23°14	20°22	29°R45	25°R31	26°17	29° 6	n.a.	T 8
F 9	12 38 17	11° 3'08	17°48	2°31	9°22	25° 6	2°10	6°32	23°14	20°21	29°45	25°31	26°14	29°12	n.a.	F 9
S 10	12 42 14	12° 0'51	1♒55	3°24	10°34	25°49	2°22	6°29	23°13	20°20	29°44	25°30	26°11	29°19	n.a.	S 10
S 11	12 46 10	12°58'32	15°55	4°13	11°45	26°32	2°35	6°25	23°13	20°19	29°44	25°29	26° 8	29°26	n.a.	S 11
M12	12 50 7	13°56'12	29°45	4°57	12°57	27°15	2°47	6°21	23°13	20°19	29°44	25°28	26° 5	29°32	n.a.	M12
T 13	12 54 3	14°53'51	13♓24	5°36	14° 9	27°57	3° 0	6°17	23°12	20°18	29°44	25°26	26° 2	29°39	n.a.	T 13
W14	12 58 0	15°51'29	26°49	6°10	15°21	28°40	3°12	6°13	23°12	20°17	29°44	25°25	25°58	29°46	n.a.	W14
T 15	13 1 56	16°49'05	10♈ 0	6°40	16°33	29°23	3°25	6° 9	23°12	20°16	29°44	25°24	25°55	29°53	n.a.	T 15
F 16	13 5 53	17°46'40	22°56	7° 5	17°45	0♒ 5	3°37	6° 5	23°11	20°15	29°44	25°D24	25°52	29°59	n.a.	F 16
S 17	13 9 49	18°44'14	5♉36	7°25	18°56	0°48	3°49	6° 1	23°10	20°15	29°43	25°24	25°49	0♋ 6	n.a.	S 17
S 18	13 13 46	19°41'46	18° 2	7°41	20° 8	1°30	4° 1	5°57	23°10	20°14	29°43	25°25	25°46	0°13	n.a.	S 18
M19	13 17 43	20°39'17	0♊14	7°51	21°20	2°13	4°13	5°53	23° 9	20°13	29°43	25°25	25°43	0°19	n.a.	M19
T 20	13 21 39	21°36'47	12°17	7°57	22°32	2°55	4°25	5°49	23° 8	20°13	29°43	25°26	25°39	0°26	n.a.	T 20
W21	13 25 36	22°34'15	24°13	7°R58	23°44	3°37	4°37	5°44	23° 8	20°12	29°42	25°26	25°36	0°33	n.a.	W21
T 22	13 29 32	23°31'42	6♋ 5	7°54	24°56	4°19	4°49	5°40	23° 7	20°12	29°42	25°26	25°33	0°40	n.a.	T 22
F 23	13 33 29	24°29'07	17°58	7°47	26° 8	5° 2	5° 1	5°36	23° 6	20°11	29°42	25°26	25°30	0°46	n.a.	F 23
S 24	13 37 25	25°26'31	29°57	7°34	27°21	5°44	5°12	5°32	23° 5	20°11	29°41	25°26	25°27	0°53	n.a.	S 24
S 25	13 41 22	26°23'54	12♌ 6	7°18	28°33	6°26	5°24	5°27	23° 4	20°10	29°41	25°26	25°23	1° 0	n.a.	S 25
M26	13 45 18	27°21'15	24°30	6°58	29°45	7° 8	5°35	5°23	23° 3	20°10	29°40	25°26	25°20	1° 6	n.a.	M26
T 27	13 49 15	28°18'35	7♍11	6°35	0♈57	7°50	5°47	5°19	23° 2	20° 9	29°40	25°27	25°17	1°13	n.a.	T 27
W28	13 53 12	29°15'54	20°14	6° 8	2° 9	8°31	5°58	5°14	23° 1	20° 9	29°39	25°27	25°14	1°20	n.a.	W28
T 29	13 57 8	0♉13'12	3♎39	5°40	3°21	9°13	6° 9	5°10	23° 0	20° 9	29°39	25°27	25°11	1°27	n.a.	T 29
F 30	14 1 5	1♉10'28	17♎27	5♉ 9	4♈33	9♒55	6♓20	5♏ 5	22♐59	20♌ 8	29♐38	25♈28	25♈ 8	1♋33	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n21	4n15	2n38	11n13	2n22	12s59	1s22	23s35	1s14	12s35	1s11	11s50	2n20	23s52	0s16	16n 7	1n19	28s 4	4s17	10n 0	10n25	28n18		n.a.
F 2	1 44	2s14	1 30	11 51	2 28	12 35	1 24	23 29	1 15	12 30	1 11	11 49	2 20	23 52	0 16	16 7	1 19	28 4	4 17	9 59	10 24	28 19		n.a.
S 3	2 7	8 44	0 15	12 26	2 33	12 10	1 26	23 24	1 16	12 26	1 11	11 48	2 20	23 52	0 16	16 7	1 19	28 4	4 17	9 59	10 23	28 19		n.a.
S 4	2 31	14 55	1s 2	12 59	2 37	11 45	1 27	23 19	1 18	12 21	1 11	11 47	2 21	23 52	0 16	16 8	1 19	28 4	4 18	9 59	10 22	28 20		n.a.
M 5	2 54	20 24	2 16	13 30	2 40	11 20	1 29	23 13	1 19	12 17	1 11	11 46	2 21	23 52	0 16	16 8	1 19	28 5	4 18	9 59	10 21	28 20		n.a.
T 6	3 17	24 45	3 21	13 57	2 42	10 55	1 30	23 7	1 21	12 12	1 12	11 44	2 21	23 52	0 16	16 8	1 19	28 5	4 18	10 0	10 20	28 21		n.a.
W 7	3 40	27 35	4 15	14 22	2 44	10 29	1 31	23 1	1 22	12 7	1 12	11 43	2 21	23 52	0 16	16 9	1 19	28 5	4 18	10 0	10 18	28 21		n.a.
T 8	4 3	28 37	4 53	14 45	2 44	10 3	1 32	22 55	1 23	12 3	1 12	11 42	2 21	23 52	0 16	16 9	1 19	28 5	4 18	10 0	10 17	28 21		n.a.
F 9	4 26	27 45	5 13	15 5	2 44	9 37	1 34	22 48	1 25	11 58	1 12	11 41	2 21	23 52	0 16	16 9	1 19	28 5	4 19	10 0	10 16	28 22		n.a.
S 10	4 49	25 6	5 14	15 22	2 43	9 10	1 35	22 42	1 26	11 54	1 12	11 39	2 21	23 52	0 16	16 9	1 19	28 6	4 19	10 0	10 15	28 22		n.a.
S 11	5 12	20 59	4 56	15 37	2 40	8 43	1 36	22 35	1 28	11 49	1 12	11 38	2 21	23 52	0 16	16 10	1 19	28 6	4 19	10 0	10 14	28 23		n.a.
M12	5 34	15 47	4 21	15 49	2 37	8 16	1 37	22 28	1 29	11 45	1 13	11 37	2 21	23 52	0 16	16 10	1 19	28 6	4 19	9 59	10 13	28 23		n.a.
T 13	5 57	9 52	3 32	15 58	2 33	7 49	1 37	22 20	1 30	11 41	1 13	11 35	2 21	23 52	0 16	16 10	1 19	28 6	4 19	9 58	10 11	28 24		n.a.
W14	6 20	3 36	2 32	16 5	2 27	7 21	1 38	22 13	1 32	11 36	1 13	11 34	2 21	23 52	0 16	16 10	1 19	28 6	4 20	9 58	10 10	28 24		n.a.
T 15	6 42	2n44	1 24	16 9	2 21	6 54	1 39	22 5	1 33	11 32	1 13	11 33	2 21	23 52	0 16	16 11	1 19	28 7	4 20	9 58	10 9	28 24		n.a.
F 16	7 4	8 50	0 14	16 10	2 13	6 26	1 39	21 58	1 35	11 27	1 13	11 31	2 21	23 52	0 16	16 11	1 19	28 7	4 20	9 58	10 8	28 25		n.a.
S 17	7 27	14 27	0n56	16 9	2 5	5 58	1 40	21 50	1 36	11 23	1 13	11 30	2 21	23 52	0 16	16 11	1 18	28 7	4 20	9 58	10 7	28 25		n.a.
S 18	7 49	19 24	2 2	16 5	1 55	5 29	1 40	21 41	1 37	11 19	1 14	11 28	2 21	23 52	0 16	16 11	1 18	28 7	4 20	9 58	10 6	28 26		n.a.
M19	8 11	23 26	3 1	15 59	1 45	5 1	1 41	21 33	1 39	11 15	1 14	11 27	2 21	23 52	0 16	16 11	1 18	28 7	4 21	9 58	10 4	28 26		n.a.
T 20	8 33	26 25	3 51	15 50	1 34	4 32	1 41	21 25	1 40	11 10	1 14	11 26	2 21	23 52	0 16	16 11	1 18	28 8	4 21	9 58	10 3	28 26		n.a.
W21	8 54	28 10	4 31	15 38	1 21	4 4	1 41	21 16	1 42	11 6	1 14	11 24	2 21	23 52	0 16	16 12	1 18	28 8	4 21	9 58	10 2	28 27		n.a.
T 22	9 16	28 37	4 59	15 25	1 8	3 35	1 41	21 7	1 43	11 2	1 14	11 23	2 21	23 52	0 16	16 12	1 18	28 8	4 21	9 58	10 1	28 27		n.a.
F 23	9 37	27 45	5 14	15 9	0 54	3 6	1 41	20 58	1 45	10 58	1 15	11 21	2 21	23 52	0 16	16 12	1 18	28 8	4 21	9 58	10 0	28 27		n.a.
S 24	9 59	25 35	5 16	14 51	0 39	2 37	1 41	20 49	1 46	10 54	1 15	11 20	2 21	23 52	0 16	16 12	1 18	28 8	4 22	9 58	9 59	28 28		n.a.
S 25	10 20	22 15	5 4	14 31	0 23	2 8	1 41	20 40	1 47	10 49	1 15	11 19	2 21	23 52	0 16	16 12	1 18	28 9	4 22	9 58	9 57	28 28		n.a.
M26	10 41	17 53	4 37	14 9	0 7	1 38	1 41	20 30	1 49	10 45	1 15	11 17	2 21	23 52	0 17	16 12	1 18	28 9	4 22	9 59	9 56	28 28		n.a.
T 27	11 1	12 39	3 57	13 45	0s10	1 9	1 41	20 21	1 50	10 41	1 15	11 16	2 21	23 52	0 17	16 12	1 18	28 9	4 22	9 59	9 55	28 29		n.a.
W28	11 22	6 43	3 3	13 21	0 26	0 40	1 40	20 11	1 52	10 37	1 15	11 14	2 21	23 52	0 17	16 13	1 18	28 9	4 22	9 59	9 54	28 29		n.a.
T 29	11 43	0 20	1 58	12 55	0 44	0 10	1 40	20 1	1 53	10 33	1 16	11 13	2 21	23 52	0 17	16 13	1 18	28 9	4 23	9 59	9 53	28 29		n.a.
F 30	12n 3	6s16	0n44	12n28	1s 1	0n19	1s39	19s51	1s55	10s29	1s16	11s11	2n21	23s52	0s17	16n13	1n18	28s10	4s23	9n59	9n52	28n29		n.a.

Julian Day Number = 1467664.5, Delta T = 05h33m47s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'07, Lahiri = -13°33'07 Julian Calendar 1 Apr. 695 BCE == Greg. Calendar 25 March 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

MAY 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 5 1	2♉ 7'44	1♏34	4°R36	5♈46	10♒36	6♓31	5°R 1	22°R58	20°R 8	29°R37	25°R28	25♈ 4	1♋40	n.a.	S 1
S 2	14 8 58	3° 4'58	15°59	4♉ 3	6°58	11°18	6°42	4♏57	22♐56	20♎ 8	29♐37	25♈27	25° 1	1°47	n.a.	S 2
M 3	14 12 54	4° 2'12	0♐34	3°29	8°10	11°59	6°53	4°52	22°55	20° 8	29°36	25°27	24°58	1°53	n.a.	M 3
T 4	14 16 51	4°59'26	15°14	2°56	9°22	12°41	7° 3	4°48	22°54	20° 7	29°36	25°26	24°55	2° 0	n.a.	T 4
W 5	14 20 47	5°56'39	29°53	2°23	10°35	13°22	7°14	4°43	22°53	20° 7	29°35	25°24	24°52	2° 7	n.a.	W 5
T 6	14 24 44	6°53'51	14♑24	1°52	11°47	14° 3	7°25	4°39	22°51	20° 7	29°34	25°23	24°48	2°14	n.a.	T 6
F 7	14 28 41	7°51'03	28°43	1°23	12°59	14°44	7°35	4°35	22°50	20° 7	29°33	25°23	24°45	2°20	n.a.	F 7
S 8	14 32 37	8°48'15	12♒48	0°56	14°12	15°25	7°45	4°30	22°48	20° 7	29°33	25°D23	24°42	2°27	n.a.	S 8
S 9	14 36 34	9°45'26	26°36	0°31	15°24	16° 6	7°55	4°26	22°47	20°D 7	29°32	25°23	24°39	2°34	n.a.	S 9
M10	14 40 30	10°42'37	10♓ 9	0°10	16°37	16°47	8° 5	4°22	22°45	20° 7	29°31	25°24	24°36	2°40	n.a.	M10
T 11	14 44 27	11°39'47	23°25	29♈53	17°49	17°28	8°15	4°17	22°44	20° 7	29°30	25°25	24°33	2°47	n.a.	T 11
W12	14 48 23	12°36'57	6♈27	29°39	19° 2	18° 9	8°25	4°13	22°42	20° 7	29°29	25°27	24°29	2°54	n.a.	W12
T 13	14 52 20	13°34'07	19°15	29°30	20°14	18°49	8°35	4° 8	22°40	20° 7	29°29	25°R27	24°26	3° 1	n.a.	T 13
F 14	14 56 17	14°31'16	1♉51	29°25	21°27	19°30	8°45	4° 4	22°39	20° 7	29°28	25°27	24°23	3° 7	n.a.	F 14
S 15	15 0 13	15°28'25	14°15	29°D24	22°39	20°10	8°54	4° 0	22°37	20° 8	29°27	25°26	24°20	3°14	n.a.	S 15
S 16	15 4 10	16°25'34	26°29	29°28	23°52	20°50	9° 3	3°56	22°35	20° 8	29°26	25°24	24°17	3°21	n.a.	S 16
M17	15 8 6	17°22'42	8♊35	29°36	25° 4	21°30	9°13	3°51	22°33	20° 8	29°25	25°21	24°14	3°27	n.a.	M17
T 18	15 12 3	18°19'50	20°33	29°49	26°17	22°10	9°22	3°47	22°31	20° 8	29°24	25°18	24°10	3°34	n.a.	T 18
W19	15 15 59	19°16'57	2♋27	0♉ 7	27°30	22°50	9°31	3°43	22°30	20° 9	29°23	25°14	24° 7	3°41	n.a.	W19
T 20	15 19 56	20°14'04	14°18	0°30	28°42	23°29	9°40	3°39	22°28	20° 9	29°22	25°10	24° 4	3°48	n.a.	T 20
F 21	15 23 52	21°11'11	26°11	0°57	29°55	24° 9	9°49	3°35	22°26	20° 9	29°21	25° 7	24° 1	3°54	n.a.	F 21
S 22	15 27 49	22° 8'17	8♌ 8	1°28	1♉ 8	24°48	9°57	3°31	22°24	20°10	29°20	25° 5	23°58	4° 1	n.a.	S 22
S 23	15 31 46	23° 5'22	20°15	2° 5	2°20	25°28	10° 6	3°27	22°22	20°10	29°19	25°D 4	23°54	4° 8	n.a.	S 23
M24	15 35 42	24° 2'27	2♍36	2°45	3°33	26° 7	10°14	3°23	22°20	20°11	29°18	25° 5	23°51	4°14	n.a.	M24
T 25	15 39 39	24°59'32	15°15	3°30	4°46	26°46	10°22	3°19	22°18	20°11	29°17	25° 6	23°48	4°21	n.a.	T 25
W26	15 43 35	25°56'36	28°16	4°20	5°59	27°25	10°30	3°15	22°16	20°12	29°16	25° 7	23°45	4°28	n.a.	W26
T 27	15 47 32	26°53'40	11♎42	5°14	7°12	28° 3	10°38	3°11	22°14	20°12	29°15	25° 9	23°42	4°35	n.a.	T 27
F 28	15 51 28	27°50'44	25°35	6°12	8°24	28°42	10°46	3° 7	22°12	20°13	29°13	25°R 9	23°39	4°41	n.a.	F 28
S 29	15 55 25	28°47'48	9♏54	7°14	9°37	29°20	10°54	3° 3	22° 9	20°13	29°12	25° 8	23°35	4°48	n.a.	S 29
S 30	15 59 21	29°44'52	24°35	8°20	10°50	29°59	11° 1	3° 0	22° 7	20°14	29°11	25° 6	23°32	4°55	n.a.	S 30
M31	16 3 18	0♊41'55	9♐31	9♉31	12♉ 3	0♓37	11♓ 9	2♏56	22♐ 5	20♎15	29♐10	25♈ 2	23♈29	5♋ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n23	12s43	0s34	12n 1	1s18	0n49	1s39	19s41	1s56	10s25	1s16	11s10	2n21	23s52	0s17	16n13	1n18	28s10	4s23	9n59	9n50	28n30		n.a.
S 2	12 43	18 38	1 51	11 34	1 34	1 18	1 38	19 31	1 58	10 21	1 16	11 8	2 21	23 52	0 17	16 13	1 18	28 10	4 23	9 59	9 49	28 30		n.a.
M 3	13 3	23 32	3 2	11 7	1 51	1 48	1 38	19 21	1 59	10 18	1 17	11 7	2 21	23 52	0 17	16 13	1 18	28 10	4 23	9 59	9 48	28 30		n.a.
T 4	13 22	26 57	4 2	10 41	2 6	2 17	1 37	19 10	2 1	10 14	1 17	11 6	2 21	23 52	0 17	16 13	1 18	28 10	4 24	9 58	9 47	28 30		n.a.
W 5	13 42	28 32	4 45	10 16	2 21	2 47	1 36	19 0	2 2	10 10	1 17	11 4	2 21	23 52	0 17	16 13	1 18	28 11	4 24	9 58	9 46	28 31		n.a.
T 6	14 1	28 8	5 10	9 52	2 36	3 16	1 35	18 49	2 3	10 6	1 17	11 3	2 21	23 52	0 17	16 13	1 18	28 11	4 24	9 57	9 44	28 31		n.a.
F 7	14 20	25 51	5 16	9 29	2 49	3 45	1 34	18 38	2 5	10 2	1 17	11 1	2 21	23 52	0 17	16 13	1 18	28 11	4 24	9 57	9 43	28 31		n.a.
S 8	14 38	22 1	5 2	9 8	3 1	4 15	1 33	18 27	2 6	9 59	1 18	11 0	2 21	23 52	0 17	16 13	1 18	28 11	4 24	9 57	9 42	28 31		n.a.
S 9	14 57	17 3	4 31	8 50	3 12	4 44	1 32	18 16	2 8	9 55	1 18	10 58	2 21	23 52	0 17	16 13	1 18	28 11	4 24	9 57	9 41	28 31		n.a.
M10	15 15	11 20	3 45	8 33	3 22	5 13	1 31	18 5	2 9	9 51	1 18	10 57	2 21	23 52	0 17	16 13	1 18	28 11	4 25	9 58	9 40	28 32		n.a.
T 11	15 33	5 13	2 48	8 19	3 30	5 42	1 30	17 54	2 11	9 48	1 18	10 56	2 21	23 51	0 17	16 13	1 18	28 12	4 25	9 58	9 39	28 32		n.a.
W12	15 51	1n 1	1 43	8 7	3 38	6 11	1 29	17 42	2 12	9 44	1 19	10 54	2 21	23 51	0 17	16 13	1 18	28 12	4 25	9 59	9 37	28 32		n.a.
T 13	16 8	7 7	0 34	7 58	3 44	6 40	1 27	17 31	2 14	9 41	1 19	10 53	2 20	23 51	0 17	16 13	1 18	28 12	4 25	9 59	9 36	28 32		n.a.
F 14	16 25	12 50	0n35	7 52	3 49	7 9	1 26	17 19	2 15	9 37	1 19	10 51	2 20	23 51	0 17	16 13	1 18	28 12	4 25	9 59	9 35	28 32		n.a.
S 15	16 42	17 58	1 42	7 48	3 53	7 38	1 24	17 8	2 17	9 34	1 19	10 50	2 20	23 51	0 17	16 12	1 18	28 12	4 25	9 58	9 34	28 32		n.a.
S 16	16 59	22 17	2 43	7 47	3 55	8 6	1 23	16 56	2 18	9 31	1 20	10 49	2 20	23 51	0 17	16 12	1 18	28 12	4 26	9 58	9 33	28 33		n.a.
M17	17 16	25 35	3 35	7 49	3 56	8 35	1 21	16 44	2 20	9 27	1 20	10 47	2 20	23 51	0 17	16 12	1 18	28 13	4 26	9 57	9 31	28 33		n.a.
T 18	17 32	27 44	4 18	7 53	3 56	9 3	1 20	16 32	2 21	9 24	1 20	10 46	2 20	23 51	0 17	16 12	1 18	28 13	4 26	9 55	9 30	28 33		n.a.
W19	17 48	28 34	4 49	8 0	3 56	9 31	1 18	16 21	2 23	9 21	1 20	10 45	2 20	23 51	0 17	16 12	1 17	28 13	4 26	9 54	9 29	28 33		n.a.
T 20	18 3	28 6	5 8	8 10	3 54	9 59	1 17	16 9	2 24	9 18	1 21	10 43	2 20	23 51	0 17	16 12	1 17	28 13	4 26	9 53	9 28	28 33		n.a.
F 21	18 19	26 20	5 13	8 22	3 51	10 26	1 15	15 57	2 26	9 15	1 21	10 42	2 20	23 51	0 17	16 12	1 17	28 13	4 26	9 51	9 27	28 33		n.a.
S 22	18 34	23 24	5 5	8 37	3 47	10 54	1 13	15 45	2 27	9 12	1 21	10 41	2 19	23 51	0 17	16 12	1 17	28 13	4 27	9 51	9 26	28 33		n.a.
S 23	18 49	19 25	4 44	8 54	3 42	11 21	1 11	15 32	2 28	9 9	1 21	10 40	2 19	23 50	0 17	16 11	1 17	28 14	4 27	9 50	9 24	28 33		n.a.
M24	19 3	14 33	4 9	9 13	3 36	11 48	1 9	15 20	2 30	9 6	1 22	10 38	2 19	23 50	0 17	16 11	1 17	28 14	4 27	9 50	9 23	28 33		n.a.
T 25	19 17	8 58	3 21	9 35	3 30	12 14	1 7	15 8	2 31	9 3	1 22	10 37	2 19	23 50	0 17	16 11	1 17	28 14	4 27	9 51	9 22	28 34		n.a.
W26	19 31	2 51	2 22	9 58	3 23	12 40	1 6	14 56	2 33	9 0	1 22	10 36	2 19	23 50	0 17	16 11	1 17	28 14	4 27	9 51	9 21	28 34		n.a.
T 27	19 45	3s35	1 13	10 24	3 15	13 7	1 4	14 44	2 34	8 57	1 22	10 35	2 19	23 50	0 17	16 11	1 17	28 14	4 27	9 52	9 20	28 34		n.a.
F 28	19 58	10 4	0s 2	10 51	3 6	13 32	1 1	14 31	2 36	8 54	1 23	10 34	2 19	23 50	0 17	16 10	1 17	28 14	4 28	9 52	9 18	28 34		n.a.
S 29	20 11	16 15	1 20	11 20	2 57	13 58	0 59	14 19	2 37	8 52	1 23	10 32	2 18	23 50	0 17	16 10	1 17	28 14	4 28	9 52	9 17	28 34		n.a.
S 30	20 23	21 40	2 33	11 51	2 48	14 23	0 57	14 7	2 39	8 49	1 23	10 31	2 18	23 50	0 17	16 10	1 17	28 15	4 28	9 51	9 16	28 34		n.a.
M31	20n35	25s47	3s38	12n23	2s37	14n48	0s55	13s54	2s40	8s46	1s23	10s30	2n18	23s50	0s17	16n10	1n17	28s15	4s28	9n50	9n15	28n34		n.a.

Julian Day Number = 1467694.5, Delta T = 05h33m45s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°40'03, Lahiri = -13°33'02 Julian Calendar 1 May 695 BCE == Greg. Calendar 24 Apr. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

JUNE 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 7 15	1♊39'00	24♐36	10♉45	13♉16	1♓15	11♓16	2°R52	22°R 3	20♎15	29°R 9	24°R57	23♈26	5♋ 8	n.a.	T 1
W 2	16 11 11	2°36'04	9♑38	12° 4	14°29	1°52	11°23	2♏49	22♐ 1	20°16	29♐ 7	24♈52	23°23	5°15	n.a.	W 2
T 3	16 15 8	3°33'09	24°29	13°26	15°42	2°30	11°30	2°45	21°59	20°17	29° 6	24°47	23°20	5°22	n.a.	T 3
F 4	16 19 4	4°30'14	9♒ 2	14°52	16°55	3° 7	11°37	2°42	21°56	20°18	29° 5	24°43	23°16	5°28	n.a.	F 4
S 5	16 23 1	5°27'20	23°13	16°22	18° 8	3°45	11°43	2°39	21°54	20°19	29° 4	24°41	23°13	5°35	n.a.	S 5
S 6	16 26 57	6°24'26	7♓ 1	17°56	19°21	4°22	11°50	2°35	21°52	20°19	29° 3	24°D40	23°10	5°42	n.a.	S 6
M 7	16 30 54	7°21'33	20°26	19°34	20°34	4°58	11°56	2°32	21°49	20°20	29° 1	24°41	23° 7	5°48	n.a.	M 7
T 8	16 34 51	8°18'40	3♈30	21°15	21°47	5°35	12° 2	2°29	21°47	20°21	29° 0	24°42	23° 4	5°55	n.a.	T 8
W 9	16 38 47	9°15'48	16°16	22°59	23° 1	6°12	12° 9	2°26	21°45	20°22	28°59	24°44	23° 0	6° 2	n.a.	W 9
T 10	16 42 44	10°12'57	28°48	24°46	24°14	6°48	12°14	2°23	21°42	20°23	28°57	24°R44	22°57	6° 9	n.a.	T 10
F 11	16 46 40	11°10'07	11♉ 7	26°37	25°27	7°24	12°20	2°20	21°40	20°24	28°56	24°42	22°54	6°15	n.a.	F 11
S 12	16 50 37	12° 7'17	23°18	28°31	26°40	8° 0	12°26	2°17	21°38	20°25	28°55	24°39	22°51	6°22	n.a.	S 12
S 13	16 54 33	13° 4'28	5♊21	0♊27	27°54	8°35	12°31	2°14	21°35	20°26	28°53	24°33	22°48	6°29	n.a.	S 13
M14	16 58 30	14° 1'39	17°19	2°25	29° 7	9°11	12°36	2°11	21°33	20°27	28°52	24°25	22°45	6°35	n.a.	M14
T 15	17 2 26	14°58'51	29°13	4°26	0♊20	9°46	12°41	2° 9	21°31	20°29	28°51	24°16	22°41	6°42	n.a.	T 15
W16	17 6 23	15°56'04	11♋ 4	6°28	1°34	10°21	12°46	2° 6	21°28	20°30	28°49	24° 7	22°38	6°49	n.a.	W16
T 17	17 10 20	16°53'17	22°56	8°33	2°47	10°55	12°51	2° 4	21°26	20°31	28°48	23°57	22°35	6°56	n.a.	T 17
F 18	17 14 16	17°50'31	4♌49	10°38	4° 0	11°30	12°55	2° 1	21°23	20°32	28°47	23°49	22°32	7° 2	n.a.	F 18
S 19	17 18 13	18°47'45	16°47	12°44	5°14	12° 4	13° 0	1°59	21°21	20°33	28°45	23°42	22°29	7° 9	n.a.	S 19
S 20	17 22 9	19°45'00	28°53	14°51	6°27	12°38	13° 4	1°57	21°19	20°35	28°44	23°38	22°26	7°16	n.a.	S 20
M21	17 26 6	20°42'15	11♍11	16°58	7°41	13°11	13° 8	1°55	21°16	20°36	28°43	23°35	22°22	7°23	n.a.	M21
T 22	17 30 2	21°39'31	23°46	19° 5	8°54	13°44	13°12	1°52	21°14	20°37	28°41	23°D35	22°19	7°29	n.a.	T 22
W23	17 33 59	22°36'47	6♎42	21°11	10° 8	14°17	13°15	1°50	21°11	20°39	28°40	23°36	22°16	7°36	n.a.	W23
T 24	17 37 56	23°34'04	20° 3	23°17	11°22	14°50	13°19	1°49	21° 9	20°40	28°38	23°R36	22°13	7°43	n.a.	T 24
F 25	17 41 52	24°31'22	3♏52	25°23	12°35	15°23	13°22	1°47	21° 7	20°41	28°37	23°36	22°10	7°49	n.a.	F 25
S 26	17 45 49	25°28'40	18° 9	27°28	13°49	15°55	13°25	1°45	21° 4	20°43	28°36	23°34	22° 6	7°56	n.a.	S 26
S 27	17 49 45	26°25'59	2♐53	29°31	15° 2	16°27	13°28	1°43	21° 2	20°44	28°34	23°29	22° 3	8° 3	n.a.	S 27
M28	17 53 42	27°23'19	17°58	1♋34	16°16	16°58	13°31	1°42	20°59	20°46	28°33	23°22	22° 0	8°10	n.a.	M28
T 29	17 57 38	28°20'41	3♑14	3°35	17°30	17°30	13°33	1°40	20°57	20°47	28°31	23°14	21°57	8°16	n.a.	T 29
W30	18 1 35	29♊18'03	18♑32	5♋35	18♊44	18♓ 1	13♓35	1♏39	20♐55	20♎49	28♐30	23♈ 4	21♈54	8♋23	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n47	28s 8	4s28	12n56	2s27	15n12	0s53	13s42	2s42	8s44	1s24	10s29	2n18	23s49	0s17	16n 9	1n17	28s15	4s28	9n48	9n14	28n34		n.a.
W 2	20 59	28 24	4 59	13 31	2 16	15 36	0 51	13 29	2 43	8 41	1 24	10 28	2 18	23 49	0 17	16 9	1 17	28 15	4 28	9 46	9 12	28 34		n.a.
T 3	21 10	26 37	5 10	14 7	2 4	16 0	0 49	13 17	2 45	8 39	1 24	10 27	2 18	23 49	0 17	16 9	1 17	28 15	4 28	9 44	9 11	28 34		n.a.
F 4	21 21	23 5	5 1	14 44	1 53	16 23	0 46	13 5	2 46	8 36	1 25	10 26	2 17	23 49	0 17	16 9	1 17	28 15	4 29	9 43	9 10	28 34		n.a.
S 5	21 31	18 15	4 33	15 22	1 41	16 46	0 44	12 52	2 47	8 34	1 25	10 25	2 17	23 49	0 17	16 8	1 17	28 15	4 29	9 42	9 9	28 34		n.a.
S 6	21 41	12 36	3 50	16 0	1 29	17 9	0 42	12 40	2 49	8 32	1 25	10 24	2 17	23 49	0 17	16 8	1 17	28 15	4 29	9 41	9 8	28 34		n.a.
M 7	21 51	6 31	2 55	16 39	1 16	17 31	0 39	12 27	2 50	8 30	1 25	10 23	2 17	23 49	0 17	16 8	1 17	28 16	4 29	9 42	9 6	28 34		n.a.
T 8	22 0	0 18	1 52	17 18	1 4	17 53	0 37	12 15	2 52	8 28	1 26	10 22	2 17	23 49	0 17	16 7	1 17	28 16	4 29	9 42	9 5	28 34		n.a.
W 9	22 9	5n47	0 46	17 57	0 51	18 14	0 35	12 3	2 53	8 26	1 26	10 21	2 16	23 48	0 17	16 7	1 17	28 16	4 29	9 43	9 4	28 33		n.a.
T 10	22 18	11 32	0n22	18 36	0 39	18 35	0 32	11 50	2 55	8 24	1 26	10 20	2 16	23 48	0 17	16 7	1 17	28 16	4 29	9 43	9 3	28 33		n.a.
F 11	22 26	16 46	1 27	19 14	0 27	18 55	0 30	11 38	2 56	8 22	1 27	10 20	2 16	23 48	0 17	16 6	1 17	28 16	4 29	9 42	9 2	28 33		n.a.
S 12	22 34	21 15	2 28	19 52	0 15	19 15	0 28	11 26	2 57	8 20	1 27	10 19	2 16	23 48	0 17	16 6	1 17	28 16	4 30	9 41	9 1	28 33		n.a.
S 13	22 42	24 47	3 21	20 29	0 3	19 34	0 25	11 13	2 59	8 18	1 27	10 18	2 16	23 48	0 17	16 5	1 17	28 16	4 30	9 39	8 59	28 33		n.a.
M14	22 49	27 13	4 4	21 5	0n 8	19 53	0 23	11 1	3 0	8 16	1 28	10 17	2 15	23 48	0 17	16 5	1 17	28 16	4 30	9 36	8 58	28 33		n.a.
T 15	22 55	28 24	4 37	21 39	0 19	20 11	0 20	10 49	3 2	8 15	1 28	10 17	2 15	23 48	0 17	16 5	1 17	28 17	4 30	9 32	8 57	28 33		n.a.
W16	23 2	28 15	4 58	22 11	0 30	20 29	0 18	10 37	3 3	8 13	1 28	10 16	2 15	23 47	0 17	16 4	1 17	28 17	4 30	9 29	8 56	28 33		n.a.
T 17	23 7	26 49	5 5	22 42	0 40	20 46	0 15	10 25	3 5	8 11	1 29	10 15	2 15	23 47	0 17	16 4	1 17	28 17	4 30	9 25	8 55	28 33		n.a.
F 18	23 13	24 10	5 0	23 11	0 49	21 2	0 13	10 13	3 6	8 10	1 29	10 15	2 15	23 47	0 17	16 3	1 17	28 17	4 30	9 22	8 53	28 33		n.a.
S 19	23 18	20 29	4 41	23 37	0 58	21 19	0 10	10 1	3 7	8 9	1 29	10 14	2 14	23 47	0 17	16 3	1 17	28 17	4 30	9 20	8 52	28 32		n.a.
S 20	23 23	15 55	4 10	24 0	1 7	21 34	0 8	9 49	3 9	8 7	1 29	10 13	2 14	23 47	0 17	16 3	1 16	28 17	4 31	9 18	8 51	28 32		n.a.
M21	23 27	10 39	3 27	24 22	1 14	21 49	0 5	9 37	3 10	8 6	1 30	10 13	2 14	23 47	0 17	16 2	1 16	28 17	4 31	9 17	8 50	28 32		n.a.
T 22	23 31	4 50	2 32	24 40	1 21	22 3	0 3	9 25	3 12	8 5	1 30	10 12	2 14	23 47	0 17	16 2	1 16	28 17	4 31	9 17	8 49	28 32		n.a.
W23	23 34	1s20	1 29	24 56	1 27	22 17	0 1	9 14	3 13	8 4	1 30	10 12	2 13	23 46	0 17	16 1	1 16	28 17	4 31	9 17	8 47	28 32		n.a.
T 24	23 37	7 39	0 19	25 9	1 32	22 30	0n 2	9 2	3 14	8 3	1 31	10 11	2 13	23 46	0 17	16 1	1 16	28 17	4 31	9 17	8 46	28 32		n.a.
F 25	23 40	13 50	0s54	25 19	1 37	22 42	0 4	8 50	3 16	8 2	1 31	10 11	2 13	23 46	0 17	16 0	1 16	28 17	4 31	9 17	8 45	28 31		n.a.
S 26	23 42	19 31	2 7	25 26	1 41	22 54	0 7	8 39	3 17	8 1	1 31	10 11	2 13	23 46	0 17	16 0	1 16	28 17	4 31	9 17	8 44	28 31		n.a.
S 27	23 44	24 11	3 13	25 31	1 44	23 5	0 9	8 28	3 18	8 0	1 32	10 10	2 13	23 46	0 17	15 59	1 16	28 18	4 31	9 15	8 43	28 31		n.a.
M28	23 45	27 20	4 7	25 32	1 46	23 15	0 12	8 16	3 20	7 59	1 32	10 10	2 12	23 46	0 17	15 59	1 16	28 18	4 31	9 12	8 41	28 31		n.a.
T 29	23 46	28 29	4 45	25 32	1 48	23 25	0 14	8 5	3 21	7 58	1 32	10 10	2 12	23 45	0 17	15 58	1 16	28 18	4 31	9 9	8 40	28 31		n.a.
W30	23n47	27s27	5s 2	25n29	1n49	23n34	0n16	7s54	3s22	7s58	1s33	10s 9	2n12	23s45	0s17	15n58	1n16	28s18	4s31	9n 5	8n39	28n30		n.a.

Julian Day Number = 1467725.5, Delta T = 05h33m43s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'59, Lahiri = -13°32'58 Julian Calendar 1 June 695 BCE == Greg. Calendar 25 May 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

JULY 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 5 31	0♋15'27	3♒40	7♋33	19♊57	18♓31	13♓38	1°R38	20°R52	20♎50	28°R29	22°R55	21♈51	8♋30	n.a.	T 1
F 2	18 9 28	1°12'51	18°28	9°30	21°11	19° 1	13°40	1♏36	20♐50	20°52	28♐27	22♈48	21°47	8°36	n.a.	F 2
S 3	18 13 25	2°10'17	2♓51	11°26	22°25	19°31	13°41	1°35	20°48	20°53	28°26	22°42	21°44	8°43	n.a.	S 3
S 4	18 17 21	3° 7'45	16°45	13°20	23°39	20° 1	13°43	1°34	20°45	20°55	28°24	22°39	21°41	8°50	n.a.	S 4
M 5	18 21 18	4° 5'14	0♈11	15°12	24°53	20°30	13°44	1°33	20°43	20°57	28°23	22°D38	21°38	8°57	n.a.	M 5
T 6	18 25 14	5° 2'44	13°12	17° 3	26° 7	20°59	13°45	1°33	20°41	20°58	28°22	22°38	21°35	9° 3	n.a.	T 6
W 7	18 29 11	6° 0'17	25°52	18°53	27°21	21°28	13°46	1°32	20°38	21° 0	28°20	22°R38	21°32	9°10	n.a.	W 7
T 8	18 33 7	6°57'50	8♉15	20°41	28°35	21°56	13°47	1°31	20°36	21° 2	28°19	22°37	21°28	9°17	n.a.	T 8
F 9	18 37 4	7°55'26	20°25	22°27	29°49	22°23	13°48	1°31	20°34	21° 3	28°17	22°34	21°25	9°24	n.a.	F 9
S 10	18 41 0	8°53'03	2♊27	24°12	1♋ 3	22°51	13°48	1°30	20°32	21° 5	28°16	22°29	21°22	9°30	n.a.	S 10
S 11	18 44 57	9°50'41	14°22	25°56	2°17	23°17	13°R48	1°30	20°29	21° 7	28°15	22°20	21°19	9°37	n.a.	S 11
M12	18 48 54	10°48'21	26°15	27°38	3°31	23°44	13°48	1°30	20°27	21° 9	28°13	22° 9	21°16	9°44	n.a.	M12
T 13	18 52 50	11°46'03	8♋ 7	29°18	4°45	24°10	13°48	1°29	20°25	21°11	28°12	21°56	21°12	9°50	n.a.	T 13
W14	18 56 47	12°43'46	19°59	0♌57	5°59	24°35	13°48	1°D29	20°23	21°12	28°11	21°42	21° 9	9°57	n.a.	W14
T 15	19 0 43	13°41'30	1♌52	2°35	7°13	25° 0	13°47	1°29	20°21	21°14	28° 9	21°29	21° 6	10° 4	n.a.	T 15
F 16	19 4 40	14°39'16	13°50	4°11	8°28	25°25	13°46	1°29	20°18	21°16	28° 8	21°16	21° 3	10°11	n.a.	F 16
S 17	19 8 36	15°37'04	25°52	5°46	9°42	25°49	13°45	1°30	20°16	21°18	28° 7	21° 6	21° 0	10°17	n.a.	S 17
S 18	19 12 33	16°34'52	8♍ 2	7°19	10°56	26°12	13°44	1°30	20°14	21°20	28° 5	20°59	20°57	10°24	n.a.	S 18
M19	19 16 30	17°32'42	20°22	8°51	12°10	26°36	13°43	1°30	20°12	21°22	28° 4	20°54	20°53	10°31	n.a.	M19
T 20	19 20 26	18°30'34	2♎57	10°22	13°25	26°58	13°41	1°31	20°10	21°24	28° 3	20°52	20°50	10°37	n.a.	T 20
W21	19 24 23	19°28'26	15°49	11°51	14°39	27°20	13°39	1°32	20° 8	21°26	28° 1	20°52	20°47	10°44	n.a.	W21
T 22	19 28 19	20°26'21	29° 4	13°18	15°53	27°42	13°37	1°32	20° 6	21°28	28° 0	20°52	20°44	10°51	n.a.	T 22
F 23	19 32 16	21°24'16	12♏44	14°44	17° 8	28° 3	13°35	1°33	20° 4	21°30	27°59	20°51	20°41	10°58	n.a.	F 23
S 24	19 36 12	22°22'13	26°52	16° 9	18°22	28°23	13°33	1°34	20° 2	21°32	27°58	20°48	20°38	11° 4	n.a.	S 24
S 25	19 40 9	23°20'12	11♐26	17°32	19°37	28°43	13°30	1°35	20° 0	21°34	27°56	20°43	20°34	11°11	n.a.	S 25
M26	19 44 5	24°18'12	26°24	18°53	20°51	29° 2	13°27	1°36	19°59	21°36	27°55	20°35	20°31	11°18	n.a.	M26
T 27	19 48 2	25°16'14	11♑37	20°13	22° 5	29°21	13°24	1°37	19°57	21°38	27°54	20°25	20°28	11°25	n.a.	T 27
W28	19 51 59	26°14'17	26°56	21°31	23°20	29°39	13°21	1°38	19°55	21°40	27°53	20°14	20°25	11°31	n.a.	W28
T 29	19 55 55	27°12'23	12♒ 8	22°48	24°34	29°56	13°18	1°40	19°53	21°42	27°52	20° 4	20°22	11°38	n.a.	T 29
F 30	19 59 52	28°10'30	27° 4	24° 3	25°49	0♈13	13°14	1°41	19°51	21°44	27°50	19°55	20°18	11°45	n.a.	F 30
S 31	20 3 48	29♋ 8'39	11♓35	25♌16	27♋ 4	0♈29	13♓11	1♏43	19♐50	21♎46	27♐49	19♈48	20♈15	11♋51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23n47	24s25	4s57	25n23	1n49	23n42	0n19	7s43	3s24	7s57	1s33	10s 9	2n12	23s45	0s17	15n57	1n16	28s18	4s32	9n 2	8n38	28n30			n.a.
F 2	23 47	19 49	4 33	25 15	1 49	23 50	0 21	7 32	3 25	7 57	1 33	10 9	2 11	23 45	0 17	15 57	1 16	28 18	4 32	8 59	8 37	28 30			n.a.
S 3	23 46	14 12	3 52	25 5	1 48	23 57	0 23	7 22	3 26	7 56	1 34	10 9	2 11	23 45	0 17	15 56	1 16	28 18	4 32	8 57	8 35	28 30			n.a.
S 4	23 45	8 2	2 58	24 53	1 47	24 3	0 26	7 11	3 28	7 56	1 34	10 9	2 11	23 45	0 17	15 56	1 16	28 18	4 32	8 56	8 34	28 29			n.a.
M 5	23 43	1 42	1 56	24 39	1 45	24 9	0 28	7 1	3 29	7 56	1 34	10 9	2 11	23 44	0 17	15 55	1 16	28 18	4 32	8 56	8 33	28 29			n.a.
T 6	23 41	4n31	0 50	24 23	1 43	24 14	0 30	6 50	3 30	7 56	1 35	10 9	2 10	23 44	0 17	15 55	1 16	28 18	4 32	8 56	8 32	28 29			n.a.
W 7	23 39	10 24	0n17	24 5	1 40	24 18	0 32	6 40	3 32	7 56	1 35	10 9	2 10	23 44	0 18	15 54	1 16	28 18	4 32	8 56	8 31	28 28			n.a.
T 8	23 36	15 45	1 22	23 45	1 37	24 21	0 35	6 30	3 33	7 56	1 35	10 9	2 10	23 44	0 18	15 53	1 16	28 18	4 32	8 55	8 29	28 28			n.a.
F 9	23 32	20 22	2 21	23 24	1 33	24 24	0 37	6 20	3 34	7 56	1 36	10 9	2 10	23 44	0 18	15 53	1 16	28 18	4 32	8 54	8 28	28 28			n.a.
S 10	23 29	24 7	3 14	23 2	1 28	24 26	0 39	6 10	3 35	7 56	1 36	10 9	2 9	23 44	0 18	15 52	1 16	28 18	4 32	8 52	8 27	28 27			n.a.
S 11	23 25	26 47	3 57	22 38	1 24	24 27	0 41	6 1	3 37	7 56	1 36	10 9	2 9	23 44	0 18	15 52	1 16	28 18	4 32	8 49	8 26	28 27			n.a.
M12	23 20	28 14	4 30	22 13	1 19	24 27	0 43	5 51	3 38	7 56	1 37	10 9	2 9	23 43	0 18	15 51	1 16	28 18	4 32	8 45	8 24	28 27			n.a.
T 13	23 15	28 22	4 51	21 47	1 13	24 27	0 45	5 42	3 39	7 57	1 37	10 9	2 9	23 43	0 18	15 50	1 16	28 18	4 32	8 40	8 23	28 26			n.a.
W14	23 10	27 12	4 59	21 20	1 8	24 26	0 47	5 33	3 40	7 57	1 37	10 9	2 8	23 43	0 18	15 50	1 16	28 18	4 32	8 35	8 22	28 26			n.a.
T 15	23 4	24 48	4 55	20 52	1 2	24 24	0 49	5 24	3 42	7 58	1 38	10 10	2 8	23 43	0 18	15 49	1 16	28 18	4 32	8 29	8 21	28 26			n.a.
F 16	22 58	21 19	4 37	20 23	0 55	24 21	0 51	5 15	3 43	7 58	1 38	10 10	2 8	23 43	0 18	15 49	1 16	28 18	4 32	8 25	8 20	28 25			n.a.
S 17	22 51	16 56	4 7	19 53	0 49	24 18	0 53	5 6	3 44	7 59	1 38	10 10	2 8	23 43	0 18	15 48	1 16	28 18	4 32	8 21	8 18	28 25			n.a.
S 18	22 44	11 51	3 25	19 22	0 42	24 14	0 55	4 58	3 45	8 0	1 38	10 11	2 7	23 42	0 18	15 47	1 16	28 18	4 33	8 18	8 17	28 25			n.a.
M19	22 37	6 13	2 33	18 51	0 34	24 9	0 56	4 50	3 46	8 1	1 39	10 11	2 7	23 42	0 18	15 47	1 16	28 19	4 33	8 16	8 16	28 24			n.a.
T 20	22 29	0 14	1 33	18 20	0 27	24 3	0 58	4 42	3 48	8 2	1 39	10 11	2 7	23 42	0 18	15 46	1 16	28 19	4 33	8 16	8 15	28 24			n.a.
W21	22 21	5s54	0 27	17 47	0 19	23 57	1 0	4 34	3 49	8 3	1 39	10 12	2 7	23 42	0 18	15 45	1 16	28 19	4 33	8 15	8 14	28 23			n.a.
T 22	22 12	11 58	0s43	17 15	0 11	23 50	1 1	4 26	3 50	8 4	1 40	10 12	2 6	23 42	0 18	15 45	1 16	28 19	4 33	8 15	8 12	28 23			n.a.
F 23	22 3	17 40	1 53	16 42	0 3	23 42	1 3	4 19	3 51	8 5	1 40	10 13	2 6	23 42	0 18	15 44	1 16	28 19	4 33	8 15	8 11	28 22			n.a.
S 24	21 54	22 37	2 58	16 9	0s 5	23 34	1 5	4 11	3 52	8 6	1 40	10 13	2 6	23 42	0 18	15 43	1 16	28 19	4 33	8 14	8 10	28 22			n.a.
S 25	21 44	26 19	3 53	15 35	0 13	23 25	1 6	4 4	3 53	8 7	1 41	10 14	2 5	23 41	0 18	15 43	1 16	28 19	4 33	8 12	8 9	28 22			n.a.
M26	21 34	28 18	4 34	15 2	0 22	23 15	1 7	3 58	3 54	8 9	1 41	10 15	2 5	23 41	0 18	15 42	1 16	28 19	4 33	8 9	8 8	28 21			n.a.
T 27	21 23	28 11	4 57	14 28	0 31	23 4	1 9	3 51	3 55	8 10	1 41	10 15	2 5	23 41	0 18	15 41	1 16	28 19	4 33	8 5	8 6	28 21			n.a.
W28	21 12	25 56	4 58	13 54	0 40	22 53	1 10	3 45	3 56	8 12	1 42	10 16	2 5	23 41	0 18	15 41	1 16	28 19	4 33	8 1	8 5	28 20			n.a.
T 29	21 1	21 51	4 38	13 21	0 49	22 41	1 11	3 39	3 57	8 13	1 42	10 17	2 4	23 41	0 18	15 40	1 16	28 19	4 33	7 57	8 4	28 20			n.a.
F 30	20 49	16 25	4 0	12 47	0 58	22 28	1 13	3 33	3 58	8 15	1 42	10 17	2 4	23 41	0 18	15 39	1 16	28 19	4 33	7 54	8 3	28 19			n.a.
S 31	20n37	10s11	3s 7	12n14	1s 7	22n15	1n14	3s27	3s59	8s16	1s42	10s18	2n 4	23s41	0s18	15n39	1n16	28s19	4s33	7n51	8n 1	28n19			n.a.

Julian Day Number = 1467755.5, Delta T = 05h33m42s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'55, Lahiri = -13°32'54 Julian Calendar 1 July 695 BCE == Greg. Calendar 24 June 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

AUGUST 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 7 45	0♌ 6'50	25♓37	26♌27	28♋18	0♈45	13°R 7	1♏45	19°R48	21♌48	27°R48	19°R44	20♈12	11♋58	n.a.	S 1
M 2	20 11 41	1° 5'03	9♈10	27°36	29°33	1° 0	13♓ 3	1°46	19♐47	21°50	27♐47	19♈42	20° 9	12° 5	n.a.	M 2
T 3	20 15 38	2° 3'19	22°14	28°43	0♌47	1°14	12°58	1°48	19°45	21°52	27°46	19°D42	20° 6	12°12	n.a.	T 3
W 4	20 19 34	3° 1'36	4♉55	29°48	2° 2	1°28	12°54	1°50	19°43	21°54	27°45	19°R42	20° 3	12°18	n.a.	W 4
T 5	20 23 31	3°59'56	17°17	0♍50	3°17	1°40	12°49	1°52	19°42	21°57	27°44	19°41	19°59	12°25	n.a.	T 5
F 6	20 27 27	4°58'18	29°24	1°51	4°31	1°52	12°45	1°54	19°40	21°59	27°43	19°39	19°56	12°32	n.a.	F 6
S 7	20 31 24	5°56'43	11♊22	2°48	5°46	2° 4	12°40	1°56	19°39	22° 1	27°42	19°34	19°53	12°38	n.a.	S 7
S 8	20 35 21	6°55'09	23°15	3°43	7° 1	2°14	12°35	1°59	19°38	22° 3	27°41	19°26	19°50	12°45	n.a.	S 8
M 9	20 39 17	7°53'38	5♋ 6	4°35	8°16	2°24	12°29	2° 1	19°36	22° 5	27°40	19°16	19°47	12°52	n.a.	M 9
T 10	20 43 14	8°52'09	16°58	5°23	9°30	2°33	12°24	2° 4	19°35	22° 7	27°39	19° 4	19°44	12°59	n.a.	T 10
W11	20 47 10	9°50'42	28°53	6° 8	10°45	2°41	12°18	2° 6	19°34	22°10	27°38	18°51	19°40	13° 5	n.a.	W11
T 12	20 51 7	10°49'18	10♌52	6°50	12° 0	2°48	12°12	2° 9	19°32	22°12	27°37	18°38	19°37	13°12	n.a.	T 12
F 13	20 55 3	11°47'55	22°58	7°27	13°15	2°55	12° 7	2°12	19°31	22°14	27°36	18°27	19°34	13°19	n.a.	F 13
S 14	20 59 0	12°46'34	5♍10	8° 1	14°30	3° 1	12° 1	2°14	19°30	22°16	27°35	18°17	19°31	13°26	n.a.	S 14
S 15	21 2 56	13°45'15	17°30	8°30	15°44	3° 6	11°54	2°17	19°29	22°18	27°34	18°11	19°28	13°32	n.a.	S 15
M16	21 6 53	14°43'58	0♎ 0	8°53	16°59	3°10	11°48	2°20	19°28	22°21	27°33	18° 7	19°24	13°39	n.a.	M16
T 17	21 10 50	15°42'43	12°43	9°12	18°14	3°13	11°42	2°24	19°27	22°23	27°32	18°D 5	19°21	13°46	n.a.	T 17
W18	21 14 46	16°41'30	25°40	9°25	19°29	3°15	11°35	2°27	19°26	22°25	27°32	18° 5	19°18	13°52	n.a.	W18
T 19	21 18 43	17°40'18	8♏54	9°32	20°44	3°16	11°28	2°30	19°25	22°27	27°31	18° 6	19°15	13°59	n.a.	T 19
F 20	21 22 39	18°39'09	22°29	9°R32	21°59	3°R17	11°21	2°33	19°24	22°29	27°30	18°R 6	19°12	14° 6	n.a.	F 20
S 21	21 26 36	19°38'01	6♐27	9°26	23°14	3°17	11°14	2°37	19°23	22°32	27°29	18° 5	19° 9	14°13	n.a.	S 21
S 22	21 30 32	20°36'56	20°46	9°13	24°29	3°15	11° 7	2°40	19°23	22°34	27°29	18° 1	19° 5	14°19	n.a.	S 22
M23	21 34 29	21°35'52	5♑26	8°52	25°44	3°13	11° 0	2°44	19°22	22°36	27°28	17°56	19° 2	14°26	n.a.	M23
T 24	21 38 25	22°34'50	20°21	8°24	26°59	3°10	10°53	2°48	19°21	22°38	27°27	17°48	18°59	14°33	n.a.	T 24
W25	21 42 22	23°33'50	5♒23	7°49	28°14	3° 7	10°46	2°51	19°21	22°41	27°26	17°40	18°56	14°40	n.a.	W25
T 26	21 46 19	24°32'52	20°24	7° 6	29°29	3° 2	10°38	2°55	19°20	22°43	27°26	17°32	18°53	14°46	n.a.	T 26
F 27	21 50 15	25°31'56	5♓12	6°17	0♍44	2°56	10°31	2°59	19°20	22°45	27°25	17°25	18°50	14°53	n.a.	F 27
S 28	21 54 12	26°31'03	19°42	5°21	1°59	2°50	10°23	3° 3	19°19	22°47	27°25	17°19	18°46	15° 0	n.a.	S 28
S 29	21 58 8	27°30'11	3♈46	4°19	3°14	2°42	10°15	3° 7	19°19	22°50	27°24	17°17	18°43	15° 6	n.a.	S 29
M30	22 2 5	28°29'22	17°23	3°13	4°29	2°34	10° 8	3°11	19°18	22°52	27°24	17°D16	18°40	15°13	n.a.	M30
T 31	22 6 1	29♌28'35	0♉32	2♍ 5	5♍44	2♈25	10♓ 0	3♏16	19♐18	22♌54	27♐23	17♈16	18♈37	15♋20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	20n25	3s39	2s 4	11n41	1s16	22n 1	1n15	3s22	4s 0	8s18	1s43	10s19	2n 4	23s40	0s18	15n38	1n16	28s19	4s33	7n50	8n 0	28n18			n.a.
M 2	20 12	2n50	0 55	11 9	1 25	21 47	1 16	3 16	4 1	8 20	1 43	10 20	2 3	23 40	0 18	15 37	1 16	28 19	4 33	7 49	7 59	28 18			n.a.
T 3	19 59	8 59	0n13	10 37	1 35	21 31	1 17	3 11	4 2	8 22	1 43	10 21	2 3	23 40	0 18	15 37	1 16	28 19	4 33	7 49	7 58	28 17			n.a.
W 4	19 46	14 36	1 20	10 5	1 44	21 15	1 18	3 7	4 3	8 24	1 43	10 22	2 3	23 40	0 18	15 36	1 16	28 19	4 33	7 49	7 57	28 17			n.a.
T 5	19 32	19 29	2 20	9 34	1 53	20 59	1 19	3 2	4 3	8 26	1 44	10 23	2 3	23 40	0 18	15 35	1 16	28 19	4 33	7 49	7 55	28 16			n.a.
F 6	19 18	23 28	3 14	9 4	2 2	20 42	1 20	2 58	4 4	8 28	1 44	10 24	2 2	23 40	0 18	15 34	1 16	28 18	4 33	7 48	7 54	28 16			n.a.
S 7	19 3	26 23	3 58	8 35	2 12	20 24	1 20	2 54	4 5	8 30	1 44	10 25	2 2	23 40	0 18	15 34	1 16	28 18	4 33	7 46	7 53	28 15			n.a.
S 8	18 48	28 7	4 31	8 6	2 21	20 5	1 21	2 51	4 6	8 32	1 44	10 26	2 2	23 40	0 18	15 33	1 16	28 18	4 33	7 43	7 52	28 14			n.a.
M 9	18 33	28 33	4 52	7 39	2 30	19 46	1 22	2 47	4 6	8 35	1 45	10 27	2 2	23 40	0 18	15 32	1 16	28 18	4 33	7 39	7 51	28 14			n.a.
T 10	18 18	27 40	5 1	7 13	2 38	19 27	1 22	2 44	4 7	8 37	1 45	10 28	2 1	23 39	0 18	15 32	1 16	28 18	4 33	7 34	7 49	28 13			n.a.
W11	18 2	25 30	4 57	6 48	2 47	19 7	1 23	2 42	4 8	8 39	1 45	10 29	2 1	23 39	0 18	15 31	1 16	28 18	4 33	7 29	7 48	28 13			n.a.
T 12	17 46	22 13	4 39	6 25	2 56	18 46	1 23	2 39	4 8	8 42	1 45	10 30	2 1	23 39	0 18	15 30	1 16	28 18	4 33	7 24	7 47	28 12			n.a.
F 13	17 30	17 58	4 9	6 3	3 4	18 25	1 24	2 37	4 9	8 44	1 46	10 31	2 1	23 39	0 18	15 29	1 16	28 18	4 33	7 20	7 46	28 12			n.a.
S 14	17 13	12 57	3 27	5 44	3 11	18 3	1 24	2 35	4 9	8 47	1 46	10 32	2 1	23 39	0 18	15 29	1 16	28 18	4 33	7 16	7 44	28 11			n.a.
S 15	16 56	7 23	2 35	5 26	3 19	17 41	1 24	2 34	4 10	8 49	1 46	10 34	2 0	23 39	0 18	15 28	1 16	28 18	4 33	7 14	7 43	28 10			n.a.
M16	16 39	1 27	1 35	5 11	3 26	17 18	1 24	2 32	4 10	8 52	1 46	10 35	2 0	23 39	0 17	15 27	1 16	28 18	4 33	7 12	7 42	28 10			n.a.
T 17	16 21	4s39	0 29	4 58	3 32	16 55	1 24	2 31	4 10	8 55	1 46	10 36	2 0	23 39	0 17	15 26	1 16	28 18	4 33	7 11	7 41	28 9			n.a.
W18	16 3	10 41	0s40	4 48	3 38	16 31	1 25	2 31	4 11	8 58	1 47	10 38	2 0	23 39	0 17	15 26	1 16	28 18	4 33	7 11	7 40	28 8			n.a.
T 19	15 45	16 23	1 49	4 40	3 43	16 7	1 25	2 30	4 11	9 0	1 47	10 39	1 59	23 39	0 17	15 25	1 16	28 18	4 33	7 12	7 38	28 8			n.a.
F 20	15 27	21 26	2 53	4 37	3 47	15 43	1 24	2 30	4 11	9 3	1 47	10 40	1 59	23 39	0 17	15 24	1 16	28 18	4 33	7 12	7 37	28 7			n.a.
S 21	15 8	25 27	3 49	4 36	3 50	15 18	1 24	2 30	4 11	9 6	1 47	10 42	1 59	23 38	0 17	15 24	1 16	28 18	4 33	7 11	7 36	28 6			n.a.
S 22	14 49	27 58	4 32	4 39	3 52	14 52	1 24	2 31	4 11	9 9	1 47	10 43	1 59	23 38	0 17	15 23	1 16	28 18	4 33	7 10	7 35	28 6			n.a.
M23	14 30	28 38	4 58	4 47	3 52	14 26	1 24	2 32	4 11	9 12	1 47	10 45	1 58	23 38	0 17	15 22	1 16	28 18	4 33	7 8	7 33	28 5			n.a.
T 24	14 11	27 14	5 5	4 58	3 51	14 0	1 23	2 33	4 11	9 15	1 48	10 46	1 58	23 38	0 17	15 21	1 16	28 18	4 33	7 5	7 32	28 4			n.a.
W25	13 51	23 53	4 51	5 13	3 49	13 33	1 23	2 34	4 10	9 18	1 48	10 48	1 58	23 38	0 17	15 21	1 16	28 18	4 33	7 2	7 31	28 4			n.a.
T 26	13 32	18 57	4 17	5 33	3 45	13 6	1 23	2 36	4 10	9 21	1 48	10 49	1 58	23 38	0 17	15 20	1 16	28 18	4 33	6 59	7 30	28 3			n.a.
F 27	13 12	12 55	3 26	5 57	3 39	12 39	1 22	2 38	4 10	9 24	1 48	10 51	1 58	23 38	0 17	15 19	1 16	28 18	4 33	6 56	7 29	28 2			n.a.
S 28	12 51	6 19	2 23	6 26	3 30	12 11	1 22	2 40	4 9	9 27	1 48	10 52	1 57	23 38	0 17	15 18	1 16	28 18	4 33	6 54	7 27	28 1			n.a.
S 29	12 31	0n25	1 12	6 58	3 20	11 43	1 21	2 42	4 9	9 30	1 48	10 54	1 57	23 38	0 17	15 18	1 16	28 18	4 32	6 53	7 26	28 1			n.a.
M30	12 10	6 56	0n 1	7 33	3 8	11 15	1 20	2 45	4 8	9 33	1 48	10 55	1 57	23 38	0 17	15 17	1 16	28 18	4 32	6 52	7 25	28 0			n.a.
T 31	11n49	12n56	1n11	8n11	2s54	10n46	1n19	2s48	4s 7	9s36	1s48	10s57	1n57	23s38	0s17	15n16	1n16	28s18	4s32	6n53	7n24	27n59			n.a.

Julian Day Number = 1467786.5, Delta T = 05h33m40s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'50, Lahiri = -13°32'50 Julian Calendar 1 Aug. 695 BCE == Greg. Calendar 25 July 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

SEPTEMBER 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 9 58	0♍27'51	13♉18	0°R55	6♍59	2°R15	9°R52	3♏20	19°R18	22♎56	27°R23	17♈18	18♈34	15♋27	n.a.	W 1
T 2	22 13 54	1°27'10	25°43	29♎46	8°14	2♈ 4	9♓44	3°24	19♐17	22°58	27♐22	17°19	18°30	15°33	n.a.	T 2
F 3	22 17 51	2°26'30	7♊53	28°39	9°29	1°53	9°36	3°29	19°17	23° 1	27°22	17°R19	18°27	15°40	n.a.	F 3
S 4	22 21 47	3°25'54	19°51	27°37	10°44	1°40	9°28	3°33	19°17	23° 3	27°21	17°17	18°24	15°47	n.a.	S 4
S 5	22 25 44	4°25'19	1♋44	26°41	11°59	1°27	9°20	3°38	19°17	23° 5	27°21	17°14	18°21	15°54	n.a.	S 5
M 6	22 29 41	5°24'47	13°36	25°52	13°14	1°13	9°12	3°43	19°D17	23° 7	27°21	17° 8	18°18	16° 0	n.a.	M 6
T 7	22 33 37	6°24'18	25°29	25°13	14°29	0°58	9° 4	3°47	19°17	23° 9	27°20	17° 2	18°15	16° 7	n.a.	T 7
W 8	22 37 34	7°23'50	7♌28	24°44	15°44	0°43	8°56	3°52	19°17	23°12	27°20	16°54	18°11	16°14	n.a.	W 8
T 9	22 41 30	8°23'25	19°35	24°25	16°59	0°26	8°48	3°57	19°17	23°14	27°20	16°47	18° 8	16°20	n.a.	T 9
F 10	22 45 27	9°23'03	1♍51	24°D18	18°14	0°10	8°40	4° 2	19°17	23°16	27°20	16°40	18° 5	16°27	n.a.	F 10
S 11	22 49 23	10°22'42	14°17	24°21	19°30	29♓52	8°31	4° 7	19°18	23°18	27°19	16°35	18° 2	16°34	n.a.	S 11
S 12	22 53 20	11°22'23	26°53	24°35	20°45	29°34	8°23	4°12	19°18	23°20	27°19	16°31	17°59	16°41	n.a.	S 12
M13	22 57 16	12°22'07	9♎42	25° 0	22° 0	29°16	8°15	4°17	19°18	23°22	27°19	16°29	17°55	16°47	n.a.	M13
T 14	23 1 13	13°21'52	22°42	25°34	23°15	28°57	8° 7	4°22	19°19	23°25	27°19	16°D29	17°52	16°54	n.a.	T 14
W15	23 5 10	14°21'40	5♏54	26°17	24°30	28°37	7°59	4°28	19°19	23°27	27°19	16°30	17°49	17° 1	n.a.	W15
T 16	23 9 6	15°21'29	19°20	27° 8	25°45	28°17	7°51	4°33	19°19	23°29	27°19	16°32	17°46	17° 7	n.a.	T 16
F 17	23 13 3	16°21'20	3♐ 0	28° 7	27° 0	27°57	7°43	4°38	19°20	23°31	27°19	16°33	17°43	17°14	n.a.	F 17
S 18	23 16 59	17°21'13	16°55	29°12	28°15	27°37	7°35	4°44	19°21	23°33	27°D19	16°R34	17°40	17°21	n.a.	S 18
S 19	23 20 56	18°21'08	1♑ 4	0♍23	29°30	27°16	7°28	4°49	19°21	23°35	27°19	16°33	17°36	17°28	n.a.	S 19
M20	23 24 52	19°21'05	15°25	1°39	0♎46	26°55	7°20	4°55	19°22	23°37	27°19	16°31	17°33	17°34	n.a.	M20
T 21	23 28 49	20°21'03	29°56	2°59	2° 1	26°34	7°12	5° 0	19°23	23°39	27°19	16°29	17°30	17°41	n.a.	T 21
W22	23 32 45	21°21'03	14♒32	4°23	3°16	26°13	7° 4	5° 6	19°23	23°41	27°19	16°25	17°27	17°48	n.a.	W22
T 23	23 36 42	22°21'05	29° 6	5°50	4°31	25°51	6°57	5°12	19°24	23°43	27°19	16°21	17°24	17°55	n.a.	T 23
F 24	23 40 39	23°21'08	13♓32	7°19	5°46	25°30	6°49	5°17	19°25	23°45	27°19	16°18	17°21	18° 1	n.a.	F 24
S 25	23 44 35	24°21'14	27°45	8°51	7° 1	25° 9	6°42	5°23	19°26	23°47	27°19	16°16	17°17	18° 8	n.a.	S 25
S 26	23 48 32	25°21'21	11♈39	10°24	8°16	24°48	6°35	5°29	19°27	23°49	27°20	16°D15	17°14	18°15	n.a.	S 26
M27	23 52 28	26°21'31	25°12	11°59	9°31	24°27	6°28	5°35	19°28	23°51	27°20	16°16	17°11	18°21	n.a.	M27
T 28	23 56 25	27°21'43	8♉22	13°35	10°46	24° 6	6°21	5°41	19°29	23°53	27°20	16°17	17° 8	18°28	n.a.	T 28
W29	0 0 21	28°21'56	21°10	15°11	12° 1	23°46	6°14	5°47	19°30	23°55	27°21	16°18	17° 5	18°35	n.a.	W29
T 30	0 4 18	29♍22'12	3♊38	16♍49	13♎17	23♓26	6♓ 7	5♏53	19♐32	23♎57	27♐21	16♈19	17♈ 1	18♋42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	11n28	18n12	2n16	8n50	2s39	10n17	1n19	2s51	4s 7	9s39	1s49	10s59	1n56	23s38	0s17	15n16	1n16	28s18	4s32	6n53	7n22	27n58		n.a.
T 2	11 7	22 34	3 12	9 31	2 21	9 48	1 18	2 55	4 6	9 42	1 49	11 0	1 56	23 38	0 17	15 15	1 16	28 18	4 32	6 54	7 21	27 58		n.a.
F 3	10 45	25 52	3 59	10 12	2 3	9 18	1 17	2 59	4 5	9 45	1 49	11 2	1 56	23 38	0 17	15 14	1 16	28 18	4 32	6 54	7 20	27 57		n.a.
S 4	10 23	27 57	4 34	10 52	1 43	8 49	1 16	3 3	4 4	9 48	1 49	11 4	1 56	23 38	0 17	15 13	1 16	28 17	4 32	6 53	7 19	27 56		n.a.
S 5	10 2	28 44	4 58	11 30	1 23	8 19	1 15	3 7	4 2	9 51	1 49	11 6	1 56	23 38	0 17	15 13	1 16	28 17	4 32	6 52	7 18	27 55		n.a.
M 6	9 40	28 11	5 8	12 6	1 3	7 48	1 13	3 11	4 1	9 55	1 49	11 7	1 55	23 38	0 17	15 12	1 16	28 17	4 32	6 49	7 16	27 55		n.a.
T 7	9 17	26 21	5 6	12 38	0 43	7 18	1 12	3 16	4 0	9 58	1 49	11 9	1 55	23 38	0 17	15 11	1 16	28 17	4 32	6 47	7 15	27 54		n.a.
W 8	8 55	23 19	4 49	13 6	0 23	6 47	1 11	3 21	3 58	10 1	1 49	11 11	1 55	23 38	0 17	15 10	1 16	28 17	4 32	6 44	7 14	27 53		n.a.
T 9	8 32	19 16	4 20	13 30	0 4	6 17	1 10	3 26	3 57	10 4	1 49	11 13	1 55	23 38	0 17	15 10	1 16	28 17	4 32	6 41	7 13	27 52		n.a.
F 10	8 10	14 22	3 39	13 49	0n13	5 46	1 8	3 31	3 55	10 7	1 49	11 15	1 55	23 38	0 17	15 9	1 16	28 17	4 32	6 38	7 11	27 51		n.a.
S 11	7 47	8 49	2 46	14 4	0 30	5 14	1 7	3 36	3 53	10 10	1 49	11 17	1 54	23 38	0 17	15 8	1 16	28 17	4 32	6 36	7 10	27 50		n.a.
S 12	7 24	2 51	1 45	14 13	0 45	4 43	1 5	3 42	3 51	10 13	1 49	11 19	1 54	23 38	0 17	15 8	1 16	28 17	4 32	6 35	7 9	27 50		n.a.
M13	7 1	3s20	0 37	14 18	0 59	4 12	1 4	3 47	3 49	10 16	1 49	11 21	1 54	23 38	0 17	15 7	1 16	28 17	4 32	6 34	7 8	27 49		n.a.
T 14	6 38	9 28	0s34	14 18	1 12	3 40	1 2	3 53	3 47	10 19	1 49	11 22	1 54	23 38	0 17	15 6	1 16	28 17	4 32	6 34	7 7	27 48		n.a.
W15	6 14	15 19	1 44	14 13	1 22	3 8	1 1	3 59	3 44	10 22	1 49	11 24	1 54	23 38	0 17	15 6	1 16	28 17	4 32	6 35	7 5	27 47		n.a.
T 16	5 51	20 32	2 50	14 5	1 32	2 37	0 59	4 5	3 42	10 25	1 49	11 26	1 54	23 38	0 17	15 5	1 16	28 17	4 32	6 35	7 4	27 46		n.a.
F 17	5 28	24 46	3 47	13 51	1 40	2 5	0 57	4 10	3 40	10 28	1 49	11 28	1 53	23 38	0 17	15 4	1 16	28 17	4 32	6 36	7 3	27 45		n.a.
S 18	5 4	27 39	4 32	13 35	1 47	1 33	0 55	4 16	3 37	10 31	1 49	11 30	1 53	23 38	0 17	15 4	1 16	28 17	4 32	6 36	7 2	27 44		n.a.
S 19	4 40	28 49	5 2	13 14	1 52	1 1	0 54	4 22	3 34	10 34	1 49	11 32	1 53	23 38	0 17	15 3	1 16	28 17	4 32	6 36	7 0	27 43		n.a.
M20	4 16	28 4	5 13	12 51	1 57	0 29	0 52	4 28	3 32	10 37	1 48	11 34	1 53	23 38	0 17	15 2	1 16	28 17	4 32	6 35	6 59	27 42		n.a.
T 21	3 53	25 25	5 5	12 25	2 0	0s 3	0 50	4 34	3 29	10 40	1 48	11 36	1 53	23 38	0 17	15 2	1 16	28 17	4 31	6 34	6 58	27 41		n.a.
W22	3 29	21 6	4 37	11 56	2 2	0 35	0 48	4 40	3 26	10 42	1 48	11 39	1 52	23 38	0 17	15 1	1 16	28 17	4 31	6 33	6 57	27 41		n.a.
T 23	3 5	15 33	3 51	11 24	2 3	1 7	0 46	4 46	3 23	10 45	1 48	11 41	1 52	23 38	0 17	15 0	1 16	28 17	4 31	6 31	6 55	27 40		n.a.
F 24	2 41	9 10	2 50	10 51	2 4	1 39	0 44	4 51	3 19	10 48	1 48	11 43	1 52	23 38	0 17	15 0	1 16	28 16	4 31	6 30	6 54	27 39		n.a.
S 25	2 16	2 26	1 40	10 16	2 3	2 11	0 42	4 57	3 16	10 51	1 48	11 45	1 52	23 38	0 17	14 59	1 16	28 16	4 31	6 29	6 53	27 38		n.a.
S 26	1 52	4n17	0 25	9 39	2 2	2 43	0 40	5 2	3 13	10 53	1 48	11 47	1 52	23 39	0 17	14 58	1 16	28 16	4 31	6 29	6 52	27 37		n.a.
M27	1 28	10 39	0n49	9 1	2 0	3 15	0 38	5 8	3 10	10 56	1 48	11 49	1 52	23 39	0 17	14 58	1 17	28 16	4 31	6 29	6 51	27 36		n.a.
T 28	1 4	16 22	1 59	8 21	1 58	3 47	0 35	5 13	3 6	10 58	1 47	11 51	1 52	23 39	0 17	14 57	1 17	28 16	4 31	6 29	6 49	27 35		n.a.
W29	0 40	21 12	3 1	7 41	1 55	4 19	0 33	5 18	3 3	11 1	1 47	11 53	1 51	23 39	0 17	14 56	1 17	28 16	4 31	6 30	6 48	27 34		n.a.
T 30	0n15	24n59	3n52	6n59	1n52	4s50	0n31	5s23	2s59	11s 3	1s47	11s56	1n51	23s39	0s17	14n56	1n17	28s16	4s31	6n30	6n47	27n33		n.a.

Julian Day Number = 1467817.5, Delta T = 05h33m39s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'46, Lahiri = -13°32'46 Julian Calendar 1 Sept. 695 BCE == Greg. Calendar 25 Aug. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

OCTOBER 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 8 14	0♎22'31	15♊51	18♍26	14♎32	23°R 6	6°R 0	5♏59	19♐33	23♑59	27♐21	16♈21	16♈58	18♋48	n.a.	F 1
S 2	0 12 11	1°22'51	27°52	20° 4	15°47	22♓46	5♓53	6° 5	19°34	24° 1	27°22	16°R21	16°55	18°55	n.a.	S 2
S 3	0 16 7	2°23'13	9♋47	21°42	17° 2	22°27	5°47	6°12	19°35	24° 3	27°22	16°21	16°52	19° 2	n.a.	S 3
M 4	0 20 4	3°23'38	21°39	23°21	18°17	22° 9	5°41	6°18	19°37	24° 4	27°22	16°20	16°49	19° 9	n.a.	M 4
T 5	0 24 1	4°24'04	3♌34	24°59	19°32	21°50	5°34	6°24	19°38	24° 6	27°23	16°19	16°46	19°15	n.a.	T 5
W 6	0 27 57	5°24'33	15°35	26°37	20°47	21°33	5°28	6°30	19°40	24° 8	27°23	16°17	16°42	19°22	n.a.	W 6
T 7	0 31 54	6°25'03	27°47	28°15	22° 2	21°16	5°23	6°37	19°41	24°10	27°24	16°16	16°39	19°29	n.a.	T 7
F 8	0 35 50	7°25'36	10♍11	29°53	23°17	21° 0	5°17	6°43	19°43	24°12	27°25	16°15	16°36	19°35	n.a.	F 8
S 9	0 39 47	8°26'10	22°50	1♎31	24°32	20°44	5°11	6°50	19°44	24°13	27°25	16°14	16°33	19°42	n.a.	S 9
S 10	0 43 43	9°26'46	5♎45	3° 8	25°47	20°29	5° 6	6°56	19°46	24°15	27°26	16°13	16°30	19°49	n.a.	S 10
M11	0 47 40	10°27'23	18°56	4°45	27° 2	20°14	5° 0	7° 3	19°48	24°17	27°26	16°D13	16°27	19°56	n.a.	M11
T 12	0 51 36	11°28'02	2♏21	6°22	28°17	20° 1	4°55	7° 9	19°50	24°18	27°27	16°13	16°23	20° 2	n.a.	T 12
W13	0 55 33	12°28'43	15°59	7°59	29°32	19°48	4°50	7°16	19°51	24°20	27°28	16°13	16°20	20° 9	n.a.	W13
T 14	0 59 30	13°29'25	29°48	9°36	0♏48	19°36	4°46	7°22	19°53	24°22	27°29	16°14	16°17	20°16	n.a.	T 14
F 15	1 3 26	14°30'09	13♐47	11°12	2° 3	19°24	4°41	7°29	19°55	24°23	27°29	16°14	16°14	20°22	n.a.	F 15
S 16	1 7 23	15°30'54	27°52	12°48	3°18	19°14	4°37	7°36	19°57	24°25	27°30	16°14	16°11	20°29	n.a.	S 16
S 17	1 11 19	16°31'40	12♑ 1	14°23	4°33	19° 4	4°33	7°42	19°59	24°26	27°31	16°14	16° 7	20°36	n.a.	S 17
M18	1 15 16	17°32'27	26°13	15°59	5°48	18°55	4°29	7°49	20° 1	24°28	27°32	16°14	16° 4	20°43	n.a.	M18
T 19	1 19 12	18°33'15	10♒25	17°34	7° 3	18°47	4°25	7°56	20° 3	24°29	27°33	16°14	16° 1	20°49	n.a.	T 19
W20	1 23 9	19°34'04	24°35	19° 9	8°18	18°40	4°21	8° 3	20° 5	24°31	27°33	16°15	15°58	20°56	n.a.	W20
T 21	1 27 5	20°34'55	8♓40	20°44	9°33	18°33	4°18	8° 9	20° 8	24°32	27°34	16°15	15°55	21° 3	n.a.	T 21
F 22	1 31 2	21°35'46	22°36	22°19	10°48	18°28	4°14	8°16	20°10	24°34	27°35	16°15	15°52	21°10	n.a.	F 22
S 23	1 34 59	22°36'39	6♈22	23°53	12° 2	18°23	4°11	8°23	20°12	24°35	27°36	16°16	15°48	21°16	n.a.	S 23
S 24	1 38 55	23°37'32	19°55	25°28	13°17	18°19	4° 9	8°30	20°14	24°36	27°37	16°R16	15°45	21°23	n.a.	S 24
M25	1 42 52	24°38'28	3♉12	27° 2	14°32	18°16	4° 6	8°37	20°17	24°38	27°38	16°15	15°42	21°30	n.a.	M25
T 26	1 46 48	25°39'24	16°12	28°36	15°47	18°13	4° 4	8°44	20°19	24°39	27°39	16°15	15°39	21°36	n.a.	T 26
W27	1 50 45	26°40'22	28°56	0♏10	17° 2	18°12	4° 1	8°51	20°21	24°40	27°40	16°13	15°36	21°43	n.a.	W27
T 28	1 54 41	27°41'21	11♊23	1°44	18°17	18°D11	3°59	8°58	20°24	24°42	27°42	16°12	15°32	21°50	n.a.	T 28
F 29	1 58 38	28°42'21	23°37	3°18	19°32	18°11	3°57	9° 5	20°26	24°43	27°43	16°10	15°29	21°57	n.a.	F 29
S 30	2 2 34	29°43'23	5♋39	4°52	20°47	18°12	3°56	9°11	20°29	24°44	27°44	16° 8	15°26	22° 3	n.a.	S 30
S 31	2 6 31	0♏44'25	17♋34	6♏26	22♏ 2	18♓14	3♓54	9♏18	20♐31	24♑45	27♐45	16♈ 7	15♈23	22♋10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s 9	27n32	4n32	6n17	1n48	5s22	0n29	5s27	2s55	11s 6	1s47	11s58	1n51	23s39	0s17	14n55	1n17	28s16	4s31	6n31	6n46	27n32		n.a.
S 2	0 33	28 46	5 0	5 34	1 44	5 53	0 26	5 32	2 52	11 8	1 47	12 0	1 51	23 39	0 17	14 55	1 17	28 16	4 31	6 31	6 44	27 31		n.a.
S 3	0 58	28 38	5 14	4 51	1 39	6 25	0 24	5 36	2 48	11 10	1 47	12 2	1 51	23 39	0 17	14 54	1 17	28 16	4 31	6 31	6 43	27 30		n.a.
M 4	1 22	27 11	5 15	4 7	1 34	6 56	0 22	5 40	2 44	11 12	1 46	12 4	1 51	23 39	0 17	14 53	1 17	28 16	4 31	6 31	6 42	27 29		n.a.
T 5	1 46	24 31	5 2	3 23	1 29	7 27	0 19	5 44	2 41	11 15	1 46	12 7	1 51	23 39	0 17	14 53	1 17	28 16	4 31	6 30	6 41	27 28		n.a.
W 6	2 11	20 46	4 36	2 38	1 24	7 58	0 17	5 48	2 37	11 17	1 46	12 9	1 50	23 39	0 17	14 52	1 17	28 16	4 31	6 30	6 39	27 27		n.a.
T 7	2 35	16 7	3 57	1 54	1 18	8 29	0 14	5 51	2 33	11 19	1 46	12 11	1 50	23 40	0 17	14 52	1 17	28 16	4 31	6 29	6 38	27 26		n.a.
F 8	2 59	10 44	3 6	1 9	1 12	8 59	0 12	5 54	2 29	11 21	1 46	12 13	1 50	23 40	0 17	14 51	1 17	28 16	4 31	6 29	6 37	27 25		n.a.
S 9	3 23	4 48	2 6	0 24	1 6	9 30	0 10	5 57	2 25	11 22	1 45	12 15	1 50	23 40	0 17	14 51	1 17	28 16	4 31	6 28	6 36	27 23		n.a.
S 10	3 48	1s26	0 58	0s21	1 0	10 0	0 7	5 59	2 22	11 24	1 45	12 18	1 50	23 40	0 17	14 50	1 17	28 16	4 31	6 28	6 34	27 22		n.a.
M11	4 12	7 45	0s15	1 5	0 54	10 30	0 5	6 2	2 18	11 26	1 45	12 20	1 50	23 40	0 17	14 50	1 17	28 16	4 30	6 28	6 33	27 21		n.a.
T 12	4 36	13 50	1 28	1 50	0 48	10 59	0 2	6 3	2 14	11 28	1 45	12 22	1 50	23 40	0 17	14 49	1 17	28 16	4 30	6 28	6 32	27 20		n.a.
W13	5 0	19 22	2 38	2 35	0 42	11 29	0s 0	6 5	2 10	11 29	1 44	12 25	1 50	23 40	0 17	14 49	1 17	28 16	4 30	6 28	6 31	27 19		n.a.
T 14	5 24	23 57	3 39	3 19	0 35	11 58	0 3	6 6	2 6	11 31	1 44	12 27	1 49	23 40	0 17	14 48	1 17	28 16	4 30	6 28	6 30	27 18		n.a.
F 15	5 48	27 12	4 28	4 3	0 29	12 26	0 6	6 8	2 3	11 32	1 44	12 29	1 49	23 41	0 17	14 48	1 17	28 16	4 30	6 28	6 28	27 17		n.a.
S 16	6 12	28 47	5 1	4 47	0 22	12 55	0 8	6 8	1 59	11 34	1 44	12 31	1 49	23 41	0 17	14 47	1 17	28 16	4 30	6 28	6 27	27 16		n.a.
S 17	6 35	28 28	5 16	5 31	0 16	13 23	0 11	6 9	1 55	11 35	1 43	12 34	1 49	23 41	0 17	14 47	1 17	28 16	4 30	6 28	6 26	27 15		n.a.
M18	6 59	26 19	5 12	6 14	0 9	13 51	0 13	6 9	1 51	11 36	1 43	12 36	1 49	23 41	0 17	14 46	1 17	28 16	4 30	6 28	6 25	27 13		n.a.
T 19	7 22	22 30	4 49	6 57	0 2	14 18	0 16	6 9	1 48	11 37	1 43	12 38	1 49	23 41	0 17	14 46	1 17	28 16	4 30	6 28	6 23	27 12		n.a.
W20	7 46	17 25	4 9	7 40	0s 4	14 45	0 18	6 8	1 44	11 38	1 43	12 41	1 49	23 41	0 17	14 45	1 17	28 16	4 30	6 29	6 22	27 11		n.a.
T 21	8 9	11 25	3 14	8 22	0 11	15 12	0 21	6 8	1 40	11 40	1 42	12 43	1 49	23 42	0 17	14 45	1 17	28 16	4 30	6 29	6 21	27 10		n.a.
F 22	8 32	4 55	2 7	9 4	0 17	15 39	0 23	6 7	1 37	11 40	1 42	12 45	1 49	23 42	0 17	14 44	1 18	28 16	4 30	6 29	6 20	27 9		n.a.
S 23	8 55	1n44	0 55	9 46	0 24	16 5	0 26	6 5	1 33	11 41	1 42	12 47	1 49	23 42	0 17	14 44	1 18	28 15	4 30	6 29	6 18	27 8		n.a.
S 24	9 18	8 12	0n20	10 27	0 30	16 30	0 28	6 4	1 30	11 42	1 42	12 50	1 48	23 42	0 17	14 43	1 18	28 15	4 30	6 29	6 17	27 6		n.a.
M25	9 41	14 12	1 32	11 7	0 36	16 55	0 31	6 2	1 26	11 43	1 41	12 52	1 48	23 42	0 17	14 43	1 18	28 15	4 30	6 29	6 16	27 5		n.a.
T 26	10 3	19 27	2 38	11 47	0 42	17 20	0 33	5 59	1 23	11 43	1 41	12 54	1 48	23 42	0 17	14 43	1 18	28 15	4 30	6 29	6 15	27 4		n.a.
W27	10 26	23 42	3 35	12 27	0 49	17 44	0 36	5 57	1 20	11 44	1 41	12 57	1 48	23 43	0 17	14 42	1 18	28 15	4 30	6 28	6 13	27 3		n.a.
T 28	10 48	26 45	4 20	13 6	0 55	18 8	0 38	5 54	1 16	11 44	1 40	12 59	1 48	23 43	0 17	14 42	1 18	28 15	4 30	6 27	6 12	27 2		n.a.
F 29	11 10	28 29	4 52	13 44	1 0	18 31	0 41	5 51	1 13	11 45	1 40	13 1	1 48	23 43	0 17	14 41	1 18	28 15	4 30	6 27	6 11	27 0		n.a.
S 30	11 32	28 50	5 11	14 22	1 6	18 54	0 43	5 48	1 10	11 45	1 40	13 4	1 48	23 43	0 17	14 41	1 18	28 15	4 30	6 26	6 10	26 59		n.a.
S 31	11s54	27n49	5n16	14s59	1s12	19s16	0s46	5s45	1s 7	11s45	1s39	13s 6	1n48	23s43	0s17	14n41	1n18	28s15	4s30	6n26	6n 8	26n58		n.a.

Julian Day Number = 1467847.5, Delta T = 05h33m37s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'42, Lahiri = -13°32'42 Julian Calendar 1 Oct. 695 BCE == Greg. Calendar 24 Sept. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

NOVEMBER 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 10 28	1♏45'30	29♋27	8♏ 0	23♏17	18♓16	3°R53	9♏25	20♐34	24♑46	27♐46	16°D 7	15♈20	22♋17	n.a.	M 1
T 2	2 14 24	2°46'35	11♑21	9°34	24°31	18°19	3♓52	9°32	20°37	24°47	27°47	16♈ 7	15°17	22°24	n.a.	T 2
W 3	2 18 21	3°47'41	23°21	11° 8	25°46	18°23	3°51	9°39	20°39	24°48	27°49	16° 8	15°13	22°30	n.a.	W 3
T 4	2 22 17	4°48'49	5♍33	12°42	27° 1	18°28	3°51	9°46	20°42	24°49	27°50	16° 9	15°10	22°37	n.a.	T 4
F 5	2 26 14	5°49'58	18° 0	14°15	28°16	18°33	3°50	9°53	20°45	24°50	27°51	16°11	15° 7	22°44	n.a.	F 5
S 6	2 30 10	6°51'07	0♎46	15°49	29°31	18°39	3°D50	10° 0	20°47	24°51	27°52	16°12	15° 4	22°50	n.a.	S 6
S 7	2 34 7	7°52'18	13°54	17°23	0♐46	18°46	3°50	10° 8	20°50	24°52	27°54	16°R13	15° 1	22°57	n.a.	S 7
M 8	2 38 3	8°53'30	27°22	18°57	2° 0	18°53	3°50	10°15	20°53	24°53	27°55	16°12	14°58	23° 4	n.a.	M 8
T 9	2 42 0	9°54'42	11♏12	20°31	3°15	19° 1	3°51	10°22	20°56	24°54	27°56	16°11	14°54	23°11	n.a.	T 9
W10	2 45 57	10°55'55	25°19	22° 5	4°30	19°10	3°52	10°29	20°59	24°55	27°58	16° 8	14°51	23°17	n.a.	W10
T 11	2 49 53	11°57'09	9♐38	23°38	5°45	19°20	3°52	10°36	21° 2	24°56	27°59	16° 4	14°48	23°24	n.a.	T 11
F 12	2 53 50	12°58'23	24° 6	25°12	6°59	19°30	3°54	10°43	21° 5	24°57	28° 1	16° 0	14°45	23°31	n.a.	F 12
S 13	2 57 46	13°59'38	8♑34	26°45	8°14	19°41	3°55	10°50	21° 8	24°57	28° 2	15°56	14°42	23°37	n.a.	S 13
S 14	3 1 43	15° 0'53	22°59	28°19	9°29	19°52	3°56	10°57	21°11	24°58	28° 4	15°53	14°38	23°44	n.a.	S 14
M15	3 5 39	16° 2'08	7♒16	29°52	10°43	20° 4	3°58	11° 4	21°14	24°59	28° 5	15°52	14°35	23°51	n.a.	M15
T 16	3 9 36	17° 3'23	21°22	1♐24	11°58	20°17	4° 0	11°11	21°17	24°59	28° 7	15°D52	14°32	23°58	n.a.	T 16
W17	3 13 33	18° 4'38	5♓17	2°57	13°13	20°30	4° 2	11°18	21°20	25° 0	28° 8	15°53	14°29	24° 4	n.a.	W17
T 18	3 17 29	19° 5'53	18°59	4°28	14°27	20°44	4° 4	11°25	21°23	25° 1	28°10	15°54	14°26	24°11	n.a.	T 18
F 19	3 21 26	20° 7'08	2♈29	5°59	15°42	20°58	4° 7	11°32	21°26	25° 1	28°11	15°56	14°23	24°18	n.a.	F 19
S 20	3 25 22	21° 8'23	15°48	7°30	16°57	21°13	4°10	11°39	21°29	25° 2	28°13	15°R56	14°19	24°25	n.a.	S 20
S 21	3 29 19	22° 9'38	28°55	8°59	18°11	21°28	4°12	11°46	21°32	25° 2	28°14	15°55	14°16	24°31	n.a.	S 21
M22	3 33 15	23°10'53	11♉50	10°27	19°26	21°44	4°16	11°53	21°36	25° 2	28°16	15°53	14°13	24°38	n.a.	M22
T 23	3 37 12	24°12'09	24°33	11°53	20°40	22° 1	4°19	12° 0	21°39	25° 3	28°18	15°48	14°10	24°45	n.a.	T 23
W24	3 41 8	25°13'25	7♊ 5	13°18	21°55	22°17	4°22	12° 6	21°42	25° 3	28°19	15°42	14° 7	24°51	n.a.	W24
T 25	3 45 5	26°14'40	19°25	14°40	23° 9	22°35	4°26	12°13	21°45	25° 4	28°21	15°34	14° 4	24°58	n.a.	T 25
F 26	3 49 2	27°15'56	1♋35	16° 0	24°24	22°53	4°30	12°20	21°49	25° 4	28°23	15°26	14° 0	25° 5	n.a.	F 26
S 27	3 52 58	28°17'12	13°36	17°17	25°38	23°11	4°34	12°27	21°52	25° 4	28°24	15°18	13°57	25°12	n.a.	S 27
S 28	3 56 55	29°18'29	25°30	18°30	26°52	23°30	4°38	12°34	21°55	25° 4	28°26	15°11	13°54	25°18	n.a.	S 28
M29	4 0 51	0♐19'45	7♑21	19°40	28° 7	23°49	4°43	12°41	21°59	25° 5	28°28	15° 6	13°51	25°25	n.a.	M29
T 30	4 4 48	1♐21'01	19♑13	20♐44	29♐21	24♓ 8	4♓47	12♏48	22♐ 2	25♑ 5	28♐29	15♈ 3	13♈48	25♋32	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s15	25n34	5n 7	15s36	1s17	19s38	0s48	5s41	1s 4	11s46	1s39	13s 8	1n48	23s43	0s17	14n40	1n18	28s15	4s30	6n25	6n 7	26n57		n.a.
T 2	12 37	22 11	4 46	16 11	1 23	19 59	0 50	5 37	1 1	11 46	1 39	13 10	1 48	23 44	0 17	14 40	1 18	28 15	4 30	6 26	6 6	26 55		n.a.
W 3	12 58	17 53	4 12	16 46	1 28	20 20	0 53	5 32	0 58	11 46	1 39	13 13	1 48	23 44	0 17	14 40	1 18	28 15	4 30	6 26	6 5	26 54		n.a.
T 4	13 19	12 47	3 26	17 20	1 33	20 40	0 55	5 28	0 55	11 46	1 38	13 15	1 48	23 44	0 17	14 39	1 18	28 15	4 30	6 26	6 3	26 53		n.a.
F 5	13 39	7 5	2 29	17 54	1 38	20 59	0 57	5 23	0 52	11 45	1 38	13 17	1 48	23 44	0 17	14 39	1 18	28 15	4 30	6 27	6 2	26 52		n.a.
S 6	14 0	0 58	1 24	18 26	1 42	21 18	0 59	5 18	0 49	11 45	1 38	13 20	1 47	23 44	0 17	14 39	1 18	28 15	4 30	6 28	6 1	26 50		n.a.
S 7	14 20	5s22	0 13	18 58	1 46	21 36	1 2	5 13	0 46	11 45	1 37	13 22	1 47	23 45	0 17	14 39	1 18	28 15	4 30	6 28	6 0	26 49		n.a.
M 8	14 40	11 38	1s 1	19 28	1 51	21 54	1 4	5 7	0 44	11 45	1 37	13 24	1 47	23 45	0 17	14 38	1 18	28 15	4 30	6 28	5 58	26 48		n.a.
T 9	15 0	17 30	2 13	19 58	1 54	22 11	1 6	5 2	0 41	11 44	1 37	13 26	1 47	23 45	0 17	14 38	1 18	28 15	4 30	6 27	5 57	26 46		n.a.
W10	15 19	22 34	3 18	20 27	1 58	22 28	1 8	4 56	0 38	11 44	1 36	13 29	1 47	23 45	0 17	14 38	1 18	28 15	4 29	6 26	5 56	26 45		n.a.
T 11	15 38	26 22	4 12	20 54	2 1	22 43	1 10	4 50	0 36	11 43	1 36	13 31	1 47	23 45	0 17	14 38	1 19	28 15	4 29	6 25	5 55	26 44		n.a.
F 12	15 57	28 29	4 50	21 20	2 4	22 58	1 12	4 43	0 33	11 42	1 36	13 33	1 47	23 46	0 17	14 37	1 19	28 15	4 29	6 23	5 53	26 42		n.a.
S 13	16 16	28 39	5 10	21 45	2 7	23 13	1 14	4 37	0 31	11 41	1 35	13 35	1 47	23 46	0 17	14 37	1 19	28 15	4 29	6 21	5 52	26 41		n.a.
S 14	16 34	26 53	5 10	22 9	2 9	23 27	1 16	4 30	0 28	11 41	1 35	13 38	1 47	23 46	0 17	14 37	1 19	28 15	4 29	6 20	5 51	26 40		n.a.
M15	16 52	23 24	4 51	22 32	2 10	23 40	1 18	4 23	0 26	11 40	1 35	13 40	1 47	23 46	0 17	14 37	1 19	28 15	4 29	6 20	5 50	26 38		n.a.
T 16	17 10	18 36	4 15	22 53	2 12	23 52	1 20	4 16	0 23	11 39	1 34	13 42	1 47	23 46	0 17	14 37	1 19	28 15	4 29	6 20	5 49	26 37		n.a.
W17	17 28	12 52	3 24	23 13	2 13	24 4	1 22	4 8	0 21	11 38	1 34	13 44	1 47	23 47	0 17	14 37	1 19	28 15	4 29	6 20	5 47	26 36		n.a.
T 18	17 45	6 35	2 22	23 31	2 13	24 14	1 23	4 1	0 19	11 36	1 34	13 47	1 47	23 47	0 17	14 36	1 19	28 15	4 29	6 21	5 46	26 34		n.a.
F 19	18 2	0 6	1 13	23 48	2 13	24 25	1 25	3 53	0 17	11 35	1 33	13 49	1 47	23 47	0 17	14 36	1 19	28 16	4 29	6 21	5 45	26 33		n.a.
S 20	18 18	6n17	0 1	24 3	2 12	24 34	1 27	3 45	0 15	11 34	1 33	13 51	1 47	23 47	0 17	14 36	1 19	28 16	4 29	6 21	5 44	26 31		n.a.
S 21	18 34	12 20	1n10	24 16	2 11	24 43	1 28	3 37	0 12	11 33	1 33	13 53	1 47	23 47	0 17	14 36	1 19	28 16	4 29	6 21	5 42	26 30		n.a.
M22	18 50	17 45	2 16	24 27	2 9	24 51	1 30	3 29	0 10	11 31	1 33	13 55	1 47	23 48	0 17	14 36	1 19	28 16	4 29	6 20	5 41	26 29		n.a.
T 23	19 5	22 19	3 14	24 37	2 6	24 58	1 31	3 20	0 8	11 30	1 32	13 57	1 47	23 48	0 17	14 36	1 19	28 16	4 29	6 18	5 40	26 27		n.a.
W24	19 21	25 46	4 2	24 45	2 3	25 4	1 33	3 12	0 6	11 28	1 32	14 0	1 47	23 48	0 17	14 36	1 19	28 16	4 29	6 16	5 39	26 26		n.a.
T 25	19 35	27 57	4 37	24 51	1 58	25 10	1 34	3 3	0 4	11 26	1 32	14 2	1 47	23 48	0 17	14 36	1 19	28 16	4 29	6 13	5 37	26 24		n.a.
F 26	19 50	28 46	4 59	24 55	1 53	25 15	1 35	2 54	0 3	11 25	1 31	14 4	1 47	23 48	0 17	14 36	1 19	28 16	4 29	6 10	5 36	26 23		n.a.
S 27	20 4	28 11	5 8	24 57	1 47	25 19	1 37	2 45	0 1	11 23	1 31	14 6	1 47	23 49	0 17	14 36	1 19	28 16	4 29	6 6	5 35	26 21		n.a.
S 28	20 17	26 18	5 3	24 56	1 40	25 22	1 38	2 36	0n 1	11 21	1 31	14 8	1 47	23 49	0 17	14 36	1 19	28 16	4 29	6 4	5 34	26 20		n.a.
M29	20 31	23 17	4 46	24 54	1 32	25 25	1 39	2 27	0 3	11 19	1 30	14 10	1 47	23 49	0 17	14 36	1 20	28 16	4 30	6 2	5 32	26 19		n.a.
T 30	20s43	19n18	4n16	24s50	1s23	25s27	1s40	2s17	0n 5	11s17	1s30	14s12	1n47	23s49	0s17	14n36	1n20	28s16	4s30	6n 1	5n31	26n17		n.a.

Julian Day Number = 1467878.5, Delta T = 05h33m36s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'38, Lahiri = -13°32'37 Julian Calendar 1 Nov. 695 BCE == Greg. Calendar 25 Oct. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 695 BCE
geocentric

DECEMBER 695 BCE (-694) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 8 44	2♐22'18	1♍11	21♐43	0♉36	24♓28	4♓52	12♏54	22♐ 5	25♌ 5	28♐31	15°D 2	13♈44	25♋38	n.a.	W 1
T 2	4 12 41	3°23'34	13°19	22°35	1°50	24°49	4°57	13° 1	22° 9	25° 5	28°33	15♈ 3	13°41	25°45	n.a.	T 2
F 3	4 16 38	4°24'51	25°43	23°20	3° 4	25°10	5° 2	13° 8	22°12	25° 5	28°35	15° 4	13°38	25°52	n.a.	F 3
S 4	4 20 34	5°26'07	8♎27	23°58	4°18	25°31	5° 8	13°15	22°15	25°R 5	28°36	15°R 5	13°35	25°59	n.a.	S 4
S 5	4 24 31	6°27'23	21°36	24°26	5°33	25°52	5°13	13°21	22°19	25° 5	28°38	15° 5	13°32	26° 5	n.a.	S 5
M 6	4 28 27	7°28'40	5♏12	24°44	6°47	26°14	5°19	13°28	22°22	25° 5	28°40	15° 3	13°29	26°12	n.a.	M 6
T 7	4 32 24	8°29'56	19°15	24°R51	8° 1	26°36	5°25	13°35	22°26	25° 5	28°42	14°59	13°25	26°19	n.a.	T 7
W 8	4 36 20	9°31'11	3♐42	24°47	9°15	26°59	5°31	13°41	22°29	25° 5	28°43	14°52	13°22	26°26	n.a.	W 8
T 9	4 40 17	10°32'27	18°28	24°31	10°29	27°22	5°37	13°48	22°33	25° 5	28°45	14°44	13°19	26°32	n.a.	T 9
F 10	4 44 13	11°33'42	3♑23	24° 4	11°43	27°45	5°44	13°54	22°36	25° 5	28°47	14°34	13°16	26°39	n.a.	F 10
S 11	4 48 10	12°34'56	18°21	23°25	12°57	28° 9	5°50	14° 1	22°40	25° 4	28°49	14°25	13°13	26°46	n.a.	S 11
S 12	4 52 7	13°36'09	3♒10	22°35	14°11	28°33	5°57	14° 7	22°43	25° 4	28°51	14°17	13°10	26°52	n.a.	S 12
M13	4 56 3	14°37'21	17°44	21°36	15°25	28°57	6° 4	14°14	22°47	25° 4	28°53	14°12	13° 6	26°59	n.a.	M13
T 14	5 0 0	15°38'33	1♓59	20°29	16°39	29°22	6°11	14°20	22°50	25° 4	28°54	14° 9	13° 3	27° 6	n.a.	T 14
W15	5 3 56	16°39'43	15°54	19°16	17°53	29°47	6°18	14°26	22°54	25° 3	28°56	14°D 8	13° 0	27°13	n.a.	W15
T 16	5 7 53	17°40'52	29°28	17°59	19° 7	0♈12	6°26	14°32	22°57	25° 3	28°58	14° 9	12°57	27°19	n.a.	T 16
F 17	5 11 49	18°42'00	12♈44	16°42	20°21	0°37	6°33	14°39	23° 1	25° 2	29° 0	14°R 9	12°54	27°26	n.a.	F 17
S 18	5 15 46	19°43'07	25°44	15°25	21°34	1° 3	6°41	14°45	23° 4	25° 2	29° 2	14° 8	12°50	27°33	n.a.	S 18
S 19	5 19 42	20°44'13	8♉30	14°12	22°48	1°29	6°49	14°51	23° 8	25° 1	29° 4	14° 6	12°47	27°39	n.a.	S 19
M20	5 23 39	21°45'17	21° 5	13° 4	24° 2	1°55	6°57	14°57	23°11	25° 1	29° 6	14° 0	12°44	27°46	n.a.	M20
T 21	5 27 36	22°46'21	3♊31	12° 3	25°15	2°22	7° 5	15° 3	23°15	25° 0	29° 8	13°52	12°41	27°53	n.a.	T 21
W22	5 31 32	23°47'24	15°48	11° 9	26°29	2°48	7°13	15° 9	23°19	25° 0	29° 9	13°41	12°38	28° 0	n.a.	W22
T 23	5 35 29	24°48'25	27°58	10°25	27°43	3°15	7°22	15°15	23°22	24°59	29°11	13°27	12°35	28° 6	n.a.	T 23
F 24	5 39 25	25°49'26	10♋ 0	9°49	28°56	3°42	7°30	15°21	23°26	24°59	29°13	13°13	12°31	28°13	n.a.	F 24
S 25	5 43 22	26°50'26	21°57	9°22	0♒ 9	4°10	7°39	15°27	23°29	24°58	29°15	13° 0	12°28	28°20	n.a.	S 25
S 26	5 47 18	27°51'24	3♌50	9° 4	1°23	4°37	7°48	15°33	23°33	24°57	29°17	12°47	12°25	28°27	n.a.	S 26
M27	5 51 15	28°52'22	15°40	8°54	2°36	5° 5	7°57	15°39	23°36	24°56	29°19	12°38	12°22	28°33	n.a.	M27
T 28	5 55 12	29°53'18	27°31	8°D52	3°49	5°33	8° 6	15°44	23°40	24°56	29°21	12°30	12°19	28°40	n.a.	T 28
W29	5 59 8	0♑54'13	9♍27	8°58	5° 2	6° 1	8°15	15°50	23°43	24°55	29°23	12°26	12°16	28°47	n.a.	W29
T 30	6 3 5	1°55'08	21°32	9°11	6°16	6°30	8°25	15°56	23°47	24°54	29°25	12°24	12°12	28°53	n.a.	T 30
F 31	6 7 1	2♑56'01	3♎51	9♐31	7♒29	6♈58	8♓34	16♏ 1	23♐50	24♌53	29♐27	12°D24	12♈ 9	29♋ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20s56	14n32	3n34	24s44	1s13	25s28	1s41	2s 8	0n 6	11s15	1s30	14s14	1n47	23s50	0s17	14n36	1n20	28s16	4s30	6n 0	5n30	26n16		n.a.
T 2	21 8	9 9	2 43	24 35	1 1	25 28	1 42	1 58	0 8	11 13	1 29	14 16	1 47	23 50	0 17	14 36	1 20	28 16	4 30	6 1	5 29	26 14		n.a.
F 3	21 20	3 17	1 42	24 25	0 49	25 27	1 42	1 48	0 10	11 11	1 29	14 18	1 47	23 50	0 17	14 36	1 20	28 16	4 30	6 1	5 27	26 13		n.a.
S 4	21 31	2s51	0 36	24 13	0 35	25 26	1 43	1 38	0 11	11 8	1 29	14 20	1 47	23 50	0 17	14 36	1 20	28 16	4 30	6 1	5 26	26 11		n.a.
S 5	21 42	9 5	0s35	23 59	0 20	25 24	1 44	1 28	0 13	11 6	1 29	14 22	1 47	23 50	0 17	14 36	1 20	28 16	4 30	6 1	5 25	26 10		n.a.
M 6	21 52	15 6	1 46	23 44	0 3	25 21	1 44	1 18	0 14	11 4	1 28	14 24	1 47	23 51	0 17	14 36	1 20	28 16	4 30	6 1	5 24	26 8		n.a.
T 7	22 2	20 33	2 53	23 27	0n14	25 17	1 45	1 8	0 16	11 1	1 28	14 26	1 47	23 51	0 17	14 36	1 20	28 16	4 30	5 59	5 22	26 7		n.a.
W 8	22 12	24 57	3 50	23 9	0 32	25 12	1 45	0 57	0 17	10 59	1 28	14 28	1 47	23 51	0 17	14 36	1 20	28 16	4 30	5 56	5 21	26 5		n.a.
T 9	22 21	27 49	4 33	22 49	0 51	25 7	1 46	0 46	0 19	10 56	1 27	14 30	1 47	23 51	0 17	14 36	1 20	28 16	4 30	5 53	5 20	26 4		n.a.
F 10	22 29	28 43	4 59	22 28	1 10	25 1	1 46	0 36	0 20	10 53	1 27	14 32	1 47	23 51	0 17	14 36	1 20	28 16	4 30	5 49	5 19	26 2		n.a.
S 11	22 38	27 31	5 4	22 7	1 30	24 54	1 46	0 25	0 22	10 51	1 27	14 34	1 47	23 52	0 17	14 36	1 20	28 16	4 30	5 46	5 17	26 0		n.a.
S 12	22 45	24 24	4 48	21 45	1 49	24 47	1 47	0 14	0 23	10 48	1 27	14 36	1 47	23 52	0 17	14 36	1 20	28 16	4 30	5 43	5 16	25 59		n.a.
M13	22 53	19 46	4 14	21 23	2 8	24 38	1 47	0 3	0 24	10 45	1 26	14 38	1 47	23 52	0 17	14 37	1 20	28 17	4 30	5 41	5 15	25 57		n.a.
T 14	23 0	14 6	3 25	21 1	2 25	24 29	1 47	0n 8	0 26	10 42	1 26	14 40	1 47	23 52	0 17	14 37	1 20	28 17	4 30	5 39	5 14	25 56		n.a.
W15	23 6	7 51	2 25	20 40	2 41	24 19	1 46	0 19	0 27	10 39	1 26	14 42	1 47	23 52	0 17	14 37	1 20	28 17	4 30	5 39	5 12	25 54		n.a.
T 16	23 12	1 24	1 17	20 19	2 55	24 9	1 46	0 30	0 28	10 36	1 25	14 43	1 47	23 53	0 17	14 37	1 20	28 17	4 30	5 39	5 11	25 53		n.a.
F 17	23 18	4n59	0 8	20 0	3 7	23 58	1 46	0 42	0 29	10 33	1 25	14 45	1 47	23 53	0 17	14 37	1 20	28 17	4 30	5 39	5 10	25 51		n.a.
S 18	23 23	11 2	1n 1	19 42	3 17	23 46	1 46	0 53	0 30	10 30	1 25	14 47	1 47	23 53	0 17	14 37	1 21	28 17	4 30	5 39	5 9	25 49		n.a.
S 19	23 27	16 31	2 6	19 27	3 24	23 33	1 45	1 5	0 32	10 27	1 25	14 49	1 47	23 53	0 17	14 38	1 21	28 17	4 30	5 38	5 7	25 48		n.a.
M20	23 31	21 13	3 3	19 14	3 29	23 20	1 45	1 16	0 33	10 23	1 24	14 51	1 47	23 53	0 17	14 38	1 21	28 17	4 30	5 36	5 6	25 46		n.a.
T 21	23 35	24 55	3 50	19 4	3 31	23 6	1 44	1 28	0 34	10 20	1 24	14 52	1 47	23 54	0 17	14 38	1 21	28 17	4 30	5 33	5 5	25 44		n.a.
W22	23 38	27 25	4 26	18 57	3 32	22 51	1 44	1 40	0 35	10 17	1 24	14 54	1 48	23 54	0 17	14 38	1 21	28 17	4 30	5 28	5 3	25 43		n.a.
T 23	23 41	28 36	4 50	18 52	3 30	22 36	1 43	1 52	0 36	10 13	1 24	14 56	1 48	23 54	0 17	14 39	1 21	28 17	4 31	5 23	5 2	25 41		n.a.
F 24	23 43	28 23	5 0	18 50	3 26	22 20	1 42	2 4	0 37	10 10	1 23	14 57	1 48	23 54	0 17	14 39	1 21	28 17	4 31	5 18	5 1	25 40		n.a.
S 25	23 45	26 50	4 57	18 51	3 22	22 3	1 41	2 15	0 38	10 6	1 23	14 59	1 48	23 54	0 17	14 39	1 21	28 17	4 31	5 12	5 0	25 38		n.a.
S 26	23 46	24 7	4 41	18 54	3 15	21 46	1 40	2 28	0 39	10 3	1 23	15 1	1 48	23 54	0 17	14 39	1 21	28 17	4 31	5 7	4 58	25 36		n.a.
M27	23 47	20 23	4 13	19 0	3 8	21 28	1 39	2 40	0 40	9 59	1 23	15 2	1 48	23 55	0 17	14 40	1 21	28 18	4 31	5 3	4 57	25 35		n.a.
T 28	23 47	15 50	3 34	19 8	3 0	21 9	1 38	2 52	0 41	9 55	1 22	15 4	1 48	23 55	0 17	14 40	1 21	28 18	4 31	5 1	4 56	25 33		n.a.
W29	23 47	10 40	2 45	19 17	2 51	20 50	1 37	3 4	0 42	9 51	1 22	15 6	1 48	23 55	0 17	14 40	1 21	28 18	4 31	4 59	4 55	25 31		n.a.
T 30	23 46	5 3	1 48	19 28	2 42	20 31	1 35	3 16	0 43	9 48	1 22	15 7	1 48	23 55	0 17	14 41	1 21	28 18	4 31	4 58	4 53	25 30		n.a.
F 31	23s45	0s52	0n45	19s41	2n32	20s10	1s34	3n28	0n44	9s44	1s22	15s 9	1n48	23s55	0s17	14n41	1n21	28s18	4s31	4n58	4n52	25n28		n.a.

Julian Day Number = 1467908.5, Delta T = 05h33m34s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'34, Lahiri = -13°32'33 Julian Calendar 1 Dec. 695 BCE == Greg. Calendar 24 Nov. 695 BCE

The year -694 astronomical counting style corresponds to year 695 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

JANUARY 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 10 58	3♑56'53	16♎30	9♐56	8♒42	7♈27	8♓44	16♏ 7	23♐54	24°R52	29♐28	12°R24	12♈ 6	29♋ 7	n.a.	S 1
S 2	6 14 54	4°57'44	29°33	10°27	9°55	7°56	8°54	16°12	23°57	24♌51	29°30	12♈23	12° 3	29°14	n.a.	S 2
M 3	6 18 51	5°58'35	13♏ 4	11° 4	11° 7	8°25	9° 3	16°17	24° 1	24°51	29°32	12°20	12° 0	29°20	n.a.	M 3
T 4	6 22 47	6°59'24	27° 6	11°44	12°20	8°55	9°13	16°23	24° 4	24°50	29°34	12°15	11°56	29°27	n.a.	T 4
W 5	6 26 44	8° 0'12	11♐37	12°29	13°33	9°24	9°24	16°28	24° 8	24°49	29°36	12° 6	11°53	29°34	n.a.	W 5
T 6	6 30 41	9° 0'58	26°32	13°18	14°46	9°54	9°34	16°33	24°11	24°48	29°38	11°56	11°50	29°40	n.a.	T 6
F 7	6 34 37	10° 1'43	11♑44	14°10	15°58	10°24	9°44	16°38	24°15	24°47	29°40	11°44	11°47	29°47	n.a.	F 7
S 8	6 38 34	11° 2'27	27° 1	15° 6	17°11	10°54	9°55	16°43	24°18	24°45	29°42	11°32	11°44	29°54	n.a.	S 8
S 9	6 42 30	12° 3'09	12♒12	16° 4	18°23	11°24	10° 5	16°48	24°21	24°44	29°43	11°22	11°41	0♌ 1	n.a.	S 9
M10	6 46 27	13° 3'49	27° 7	17° 5	19°36	11°54	10°16	16°53	24°25	24°43	29°45	11°15	11°37	0° 7	n.a.	M10
T 11	6 50 23	14° 4'27	11♓40	18° 9	20°48	12°25	10°27	16°58	24°28	24°42	29°47	11°10	11°34	0°14	n.a.	T 11
W12	6 54 20	15° 5'03	25°46	19°15	22° 0	12°55	10°38	17° 3	24°32	24°41	29°49	11° 8	11°31	0°21	n.a.	W12
T 13	6 58 17	16° 5'38	9♈25	20°23	23°12	13°26	10°49	17° 8	24°35	24°40	29°51	11° 7	11°28	0°27	n.a.	T 13
F 14	7 2 13	17° 6'10	22°40	21°33	24°24	13°57	11° 0	17°12	24°38	24°39	29°53	11° 7	11°25	0°34	n.a.	F 14
S 15	7 6 10	18° 6'40	5♉34	22°46	25°36	14°28	11°11	17°17	24°42	24°37	29°55	11° 6	11°22	0°41	n.a.	S 15
S 16	7 10 6	19° 7'08	18°11	23°59	26°48	14°59	11°22	17°21	24°45	24°36	29°56	11° 3	11°18	0°48	n.a.	S 16
M17	7 14 3	20° 7'35	0♊34	25°15	28° 0	15°30	11°34	17°26	24°48	24°35	29°58	10°58	11°15	0°54	n.a.	M17
T 18	7 17 59	21° 7'59	12°47	26°32	29°12	16° 2	11°45	17°30	24°52	24°33	29°59	10°49	11°12	1° 1	n.a.	T 18
W19	7 21 56	22° 8'21	24°53	27°51	0♓23	16°33	11°57	17°34	24°55	24°32	0♑ 2	10°38	11° 9	1° 8	n.a.	W19
T 20	7 25 52	23° 8'42	6♋53	29°11	1°35	17° 5	12° 8	17°38	24°58	24°31	0° 4	10°24	11° 6	1°14	n.a.	T 20
F 21	7 29 49	24° 9'00	18°49	0♑32	2°46	17°36	12°20	17°43	25° 1	24°29	0° 5	10°10	11° 2	1°21	n.a.	F 21
S 22	7 33 46	25° 9'17	0♌42	1°55	3°57	18° 8	12°32	17°47	25° 4	24°28	0° 7	9°56	10°59	1°28	n.a.	S 22
S 23	7 37 42	26° 9'32	12°33	3°19	5° 8	18°40	12°44	17°51	25° 8	24°27	0° 9	9°43	10°56	1°35	n.a.	S 23
M24	7 41 39	27° 9'44	24°25	4°44	6°19	19°12	12°56	17°54	25°11	24°25	0°11	9°33	10°53	1°41	n.a.	M24
T 25	7 45 35	28° 9'55	6♍19	6°11	7°30	19°44	13° 8	17°58	25°14	24°24	0°12	9°25	10°50	1°48	n.a.	T 25
W26	7 49 32	29°10'05	18°18	7°38	8°41	20°17	13°20	18° 2	25°17	24°22	0°14	9°21	10°47	1°55	n.a.	W26
T 27	7 53 28	0♒10'12	0♎25	9° 7	9°52	20°49	13°32	18° 6	25°20	24°21	0°16	9°19	10°43	2° 1	n.a.	T 27
F 28	7 57 25	1°10'18	12°44	10°37	11° 2	21°21	13°44	18° 9	25°23	24°19	0°17	9°D18	10°40	2° 8	n.a.	F 28
S 29	8 1 21	2°10'22	25°20	12° 8	12°13	21°54	13°57	18°12	25°26	24°18	0°19	9°19	10°37	2°15	n.a.	S 29
S 30	8 5 18	3°10'24	8♏17	13°41	13°23	22°27	14° 9	18°16	25°29	24°16	0°21	9°R19	10°34	2°22	n.a.	S 30
M31	8 9 14	4♒10'24	21♏41	15♑14	14♓33	22♈59	14♓22	18♏19	25♐32	24♌15	0♑22	9♈17	10♈31	2♌28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s43	6s55	0s22	19s55	2n22	19s50	1s32	3n41	0n45	9s40	1s21	15s10	1n48	23s56	0s17	14n41	1n21	28s18	4s31	4n58	4n51	25n26		n.a.
S 2	23 41	12 52	1 29	20 9	2 12	19 28	1 31	3 53	0 46	9 36	1 21	15 12	1 48	23 56	0 17	14 42	1 21	28 18	4 31	4 58	4 50	25 24		n.a.
M 3	23 39	18 26	2 34	20 25	2 2	19 7	1 29	4 6	0 46	9 32	1 21	15 13	1 48	23 56	0 17	14 42	1 21	28 18	4 31	4 57	4 48	25 23		n.a.
T 4	23 36	23 14	3 32	20 41	1 51	18 44	1 27	4 18	0 47	9 28	1 21	15 15	1 48	23 56	0 17	14 42	1 21	28 18	4 31	4 54	4 47	25 21		n.a.
W 5	23 32	26 46	4 19	20 57	1 41	18 21	1 25	4 31	0 48	9 24	1 20	15 16	1 48	23 56	0 17	14 43	1 21	28 18	4 32	4 51	4 46	25 19		n.a.
T 6	23 28	28 33	4 49	21 13	1 31	17 58	1 24	4 43	0 49	9 20	1 20	15 17	1 49	23 56	0 17	14 43	1 21	28 18	4 32	4 47	4 45	25 18		n.a.
F 7	23 24	28 14	5 0	21 30	1 20	17 34	1 22	4 56	0 50	9 16	1 20	15 19	1 49	23 57	0 17	14 44	1 22	28 19	4 32	4 42	4 43	25 16		n.a.
S 8	23 19	25 47	4 49	21 46	1 10	17 10	1 19	5 8	0 50	9 11	1 20	15 20	1 49	23 57	0 17	14 44	1 22	28 19	4 32	4 38	4 42	25 14		n.a.
S 9	23 14	21 30	4 18	22 3	1 0	16 45	1 17	5 21	0 51	9 7	1 20	15 22	1 49	23 57	0 17	14 44	1 22	28 19	4 32	4 34	4 41	25 12		n.a.
M10	23 8	15 55	3 30	22 19	0 50	16 20	1 15	5 34	0 52	9 3	1 19	15 23	1 49	23 57	0 17	14 45	1 22	28 19	4 32	4 31	4 40	25 11		n.a.
T 11	23 2	9 34	2 29	22 35	0 40	15 55	1 13	5 46	0 53	8 59	1 19	15 24	1 49	23 57	0 17	14 45	1 22	28 19	4 32	4 29	4 38	25 9		n.a.
W12	22 55	2 56	1 20	22 50	0 31	15 29	1 10	5 59	0 53	8 54	1 19	15 25	1 49	23 57	0 17	14 46	1 22	28 19	4 32	4 28	4 37	25 7		n.a.
T 13	22 48	3n39	0 9	23 5	0 21	15 3	1 8	6 12	0 54	8 50	1 19	15 27	1 49	23 58	0 17	14 46	1 22	28 19	4 32	4 28	4 36	25 5		n.a.
F 14	22 40	9 53	1n 1	23 19	0 12	14 36	1 5	6 25	0 55	8 45	1 19	15 28	1 49	23 58	0 17	14 47	1 22	28 19	4 33	4 28	4 35	25 3		n.a.
S 15	22 32	15 32	2 5	23 32	0 3	14 9	1 3	6 38	0 55	8 41	1 18	15 29	1 49	23 58	0 17	14 47	1 22	28 19	4 33	4 27	4 33	25 2		n.a.
S 16	22 24	20 24	3 2	23 44	0s 6	13 42	1 0	6 50	0 56	8 36	1 18	15 30	1 50	23 58	0 17	14 48	1 22	28 20	4 33	4 26	4 32	25 0		n.a.
M17	22 15	24 18	3 49	23 56	0 14	13 14	0 57	7 3	0 57	8 32	1 18	15 31	1 50	23 58	0 17	14 48	1 22	28 20	4 33	4 24	4 31	24 58		n.a.
T 18	22 6	27 2	4 25	24 7	0 23	12 46	0 54	7 16	0 57	8 27	1 18	15 33	1 50	23 58	0 17	14 48	1 22	28 20	4 33	4 20	4 30	24 56		n.a.
W19	21 56	28 29	4 49	24 16	0 31	12 18	0 51	7 29	0 58	8 22	1 18	15 34	1 50	23 58	0 18	14 49	1 22	28 20	4 33	4 16	4 28	24 54		n.a.
T 20	21 46	28 35	4 59	24 25	0 38	11 49	0 48	7 42	0 58	8 18	1 17	15 35	1 50	23 59	0 18	14 49	1 22	28 20	4 33	4 11	4 27	24 52		n.a.
F 21	21 35	27 20	4 56	24 33	0 46	11 20	0 45	7 55	0 59	8 13	1 17	15 36	1 50	23 59	0 18	14 50	1 22	28 20	4 33	4 5	4 26	24 51		n.a.
S 22	21 24	24 51	4 41	24 39	0 53	10 51	0 42	8 8	0 59	8 8	1 17	15 37	1 50	23 59	0 18	14 50	1 22	28 20	4 33	3 59	4 24	24 49		n.a.
S 23	21 13	21 19	4 13	24 44	1 0	10 22	0 39	8 20	1 0	8 3	1 17	15 38	1 50	23 59	0 18	14 51	1 22	28 20	4 34	3 54	4 23	24 47		n.a.
M24	21 1	16 55	3 34	24 48	1 7	9 52	0 36	8 33	1 1	7 59	1 17	15 39	1 50	23 59	0 18	14 51	1 22	28 21	4 34	3 50	4 22	24 45		n.a.
T 25	20 49	11 53	2 45	24 51	1 13	9 22	0 32	8 46	1 1	7 54	1 17	15 40	1 50	23 59	0 18	14 52	1 22	28 21	4 34	3 47	4 21	24 43		n.a.
W26	20 37	6 22	1 49	24 52	1 19	8 53	0 29	8 59	1 2	7 49	1 16	15 41	1 51	23 59	0 18	14 52	1 22	28 21	4 34	3 45	4 19	24 41		n.a.
T 27	20 24	0 33	0 47	24 52	1 25	8 22	0 26	9 12	1 2	7 44	1 16	15 42	1 51	23 59	0 18	14 53	1 22	28 21	4 34	3 44	4 18	24 39		n.a.
F 28	20 11	5s23	0s18	24 51	1 30	7 52	0 22	9 25	1 3	7 39	1 16	15 42	1 51	24 0	0 18	14 54	1 22	28 21	4 34	3 44	4 17	24 38		n.a.
S 29	19 57	11 14	1 24	24 48	1 35	7 21	0 18	9 37	1 3	7 34	1 16	15 43	1 51	24 0	0 18	14 54	1 22	28 21	4 34	3 45	4 16	24 36		n.a.
S 30	19 44	16 48	2 28	24 43	1 40	6 51	0 15	9 50	1 4	7 29	1 16	15 44	1 51	24 0	0 18	14 55	1 22	28 21	4 35	3 45	4 14	24 34		n.a.
M31	19s29	21s45	3s25	24s37	1s44	6s20	0s11	10n 3	1n 4	7s24	1s16	15s45	1n51	24s 0	0s18	14n55	1n22	28s22	4s35	3n44	4n13	24n32		n.a.

Julian Day Number = 1467939.5, Delta T = 05h33m33s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'30, Lahiri = -13°32'29 Julian Calendar 1 Jan. 694 BCE == Greg. Calendar 25 Dec. 695 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

FEBRUARY 694 BCE (-693) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 13 11	5♒10'23	5♐32	16♑49	15♓44	23♈32	14♓34	18♏22	25♐35	24°R13	0♑24	9°R14	10♈28	2♌35	n.a.	T 1
W 2	8 17 8	6°10'20	19°53	18°24	16°54	24° 5	14°47	18°25	25°38	24♌12	0°26	9♈ 8	10°24	2°42	n.a.	W 2
T 3	8 21 4	7°10'16	4♑41	20° 1	18° 3	24°38	15° 0	18°28	25°41	24°10	0°27	9° 0	10°21	2°48	n.a.	T 3
F 4	8 25 1	8°10'09	19°48	21°39	19°13	25°11	15°13	18°31	25°44	24° 9	0°29	8°51	10°18	2°55	n.a.	F 4
S 5	8 28 57	9°10'01	5♒ 7	23°18	20°23	25°44	15°26	18°34	25°46	24° 7	0°30	8°41	10°15	3° 2	n.a.	S 5
S 6	8 32 54	10° 9'50	20°25	24°58	21°32	26°18	15°39	18°37	25°49	24° 6	0°32	8°33	10°12	3° 9	n.a.	S 6
M 7	8 36 50	11° 9'37	5♓31	26°40	22°41	26°51	15°52	18°40	25°52	24° 4	0°33	8°27	10° 8	3°15	n.a.	M 7
T 8	8 40 47	12° 9'22	20°17	28°23	23°50	27°24	16° 5	18°42	25°55	24° 2	0°35	8°23	10° 5	3°22	n.a.	T 8
W 9	8 44 43	13° 9'04	4♈36	0♒ 6	24°59	27°58	16°18	18°45	25°57	24° 1	0°36	8°D22	10° 2	3°29	n.a.	W 9
T 10	8 48 40	14° 8'44	18°27	1°51	26° 8	28°31	16°31	18°47	26° 0	23°59	0°38	8°22	9°59	3°35	n.a.	T 10
F 11	8 52 37	15° 8'22	1♉50	3°37	27°17	29° 5	16°44	18°49	26° 3	23°57	0°39	8°23	9°56	3°42	n.a.	F 11
S 12	8 56 33	16° 7'57	14°49	5°25	28°25	29°39	16°57	18°52	26° 5	23°56	0°41	8°R24	9°53	3°49	n.a.	S 12
S 13	9 0 30	17° 7'30	27°26	7°14	29°34	0♉12	17°11	18°54	26° 8	23°54	0°42	8°23	9°49	3°56	n.a.	S 13
M14	9 4 26	18° 7'01	9♊47	9° 3	0♈42	0°46	17°24	18°56	26°10	23°53	0°44	8°20	9°46	4° 2	n.a.	M14
T 15	9 8 23	19° 6'29	21°55	10°55	1°50	1°20	17°37	18°58	26°13	23°51	0°45	8°16	9°43	4° 9	n.a.	T 15
W16	9 12 19	20° 5'54	3♋54	12°47	2°57	1°54	17°51	18°59	26°15	23°49	0°46	8° 9	9°40	4°16	n.a.	W16
T 17	9 16 16	21° 5'18	15°49	14°41	4° 5	2°28	18° 4	19° 1	26°17	23°48	0°48	8° 1	9°37	4°22	n.a.	T 17
F 18	9 20 12	22° 4'39	27°40	16°36	5°12	3° 2	18°18	19° 3	26°20	23°46	0°49	7°52	9°34	4°29	n.a.	F 18
S 19	9 24 9	23° 3'57	9♌32	18°32	6°19	3°36	18°32	19° 4	26°22	23°44	0°50	7°43	9°30	4°36	n.a.	S 19
S 20	9 28 6	24° 3'14	21°25	20°29	7°26	4°10	18°45	19° 6	26°24	23°43	0°52	7°35	9°27	4°43	n.a.	S 20
M21	9 32 2	25° 2'28	3♍21	22°27	8°33	4°44	18°59	19° 7	26°27	23°41	0°53	7°29	9°24	4°49	n.a.	M21
T 22	9 35 59	26° 1'40	15°22	24°27	9°40	5°19	19°13	19° 8	26°29	23°39	0°54	7°24	9°21	4°56	n.a.	T 22
W23	9 39 55	27° 0'50	27°29	26°27	10°46	5°53	19°26	19°10	26°31	23°38	0°55	7°22	9°18	5° 3	n.a.	W23
T 24	9 43 52	27°59'58	9♎45	28°29	11°52	6°27	19°40	19°11	26°33	23°36	0°56	7°D21	9°14	5° 9	n.a.	T 24
F 25	9 47 48	28°59'04	22°13	0♓31	12°58	7° 2	19°54	19°12	26°35	23°34	0°58	7°22	9°11	5°16	n.a.	F 25
S 26	9 51 45	29°58'08	4♏55	2°34	14° 4	7°36	20° 8	19°12	26°37	23°33	0°59	7°24	9° 8	5°23	n.a.	S 26
S 27	9 55 41	0♓57'10	17°55	4°38	15° 9	8°11	20°22	19°13	26°39	23°31	1° 0	7°25	9° 5	5°30	n.a.	S 27
M28	9 59 38	1♓56'11	1♐16	6♓42	16♈14	8♉45	20♓36	19♏14	26♐41	23♌29	1♑ 1	7°R26	9♈ 2	5♌36	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s15	25s41	4s13	24s30	1s48	5s49	0s 7	10n16	1n 5	7s19	1s15	15s46	1n51	24s 0	0s18	14n56	1n22	28s22	4s35	3n43	4n12	24n30		n.a.
W 2	19 0	28 9	4 47	24 20	1 52	5 18	0 4	10 29	1 5	7 14	1 15	15 46	1 51	24 0	0 18	14 56	1 22	28 22	4 35	3 40	4 11	24 28		n.a.
T 3	18 45	28 44	5 3	24 9	1 55	4 47	0n 0	10 41	1 5	7 9	1 15	15 47	1 52	24 0	0 18	14 57	1 22	28 22	4 35	3 37	4 9	24 26		n.a.
F 4	18 29	27 13	4 58	23 57	1 58	4 16	0 4	10 54	1 6	7 3	1 15	15 48	1 52	24 0	0 18	14 57	1 22	28 22	4 35	3 33	4 8	24 24		n.a.
S 5	18 13	23 39	4 32	23 43	2 0	3 44	0 8	11 7	1 6	6 58	1 15	15 49	1 52	24 1	0 18	14 58	1 22	28 22	4 36	3 29	4 7	24 22		n.a.
S 6	17 57	18 28	3 47	23 27	2 2	3 13	0 12	11 19	1 7	6 53	1 15	15 49	1 52	24 1	0 18	14 58	1 23	28 22	4 36	3 26	4 6	24 20		n.a.
M 7	17 40	12 11	2 46	23 9	2 4	2 42	0 16	11 32	1 7	6 48	1 15	15 50	1 52	24 1	0 18	14 59	1 23	28 23	4 36	3 24	4 4	24 18		n.a.
T 8	17 24	5 22	1 35	22 49	2 5	2 10	0 20	11 45	1 7	6 42	1 14	15 50	1 52	24 1	0 18	15 0	1 23	28 23	4 36	3 22	4 3	24 16		n.a.
W 9	17 7	1n33	0 20	22 28	2 6	1 39	0 25	11 57	1 8	6 37	1 14	15 51	1 52	24 1	0 18	15 0	1 23	28 23	4 36	3 22	4 2	24 14		n.a.
T 10	16 49	8 10	0n54	22 5	2 6	1 7	0 29	12 10	1 8	6 32	1 14	15 51	1 52	24 1	0 18	15 1	1 23	28 23	4 36	3 22	4 0	24 12		n.a.
F 11	16 32	14 12	2 3	21 40	2 6	0 36	0 33	12 22	1 9	6 27	1 14	15 52	1 53	24 1	0 18	15 1	1 23	28 23	4 36	3 22	3 59	24 10		n.a.
S 12	16 14	19 25	3 3	21 13	2 6	0 4	0 37	12 35	1 9	6 21	1 14	15 52	1 53	24 1	0 18	15 2	1 23	28 23	4 37	3 22	3 58	24 8		n.a.
S 13	15 55	23 38	3 52	20 44	2 4	0n27	0 41	12 47	1 9	6 16	1 14	15 53	1 53	24 1	0 18	15 2	1 23	28 24	4 37	3 22	3 57	24 6		n.a.
M14	15 37	26 41	4 30	20 13	2 3	0 59	0 46	12 59	1 10	6 10	1 14	15 53	1 53	24 1	0 18	15 3	1 23	28 24	4 37	3 21	3 55	24 4		n.a.
T 15	15 18	28 26	4 55	19 41	2 1	1 30	0 50	13 12	1 10	6 5	1 13	15 54	1 53	24 2	0 18	15 4	1 23	28 24	4 37	3 19	3 54	24 2		n.a.
W16	14 59	28 49	5 6	19 6	1 58	2 1	0 55	13 24	1 10	6 0	1 13	15 54	1 53	24 2	0 18	15 4	1 23	28 24	4 37	3 17	3 53	24 0		n.a.
T 17	14 40	27 52	5 4	18 30	1 55	2 33	0 59	13 36	1 11	5 54	1 13	15 54	1 53	24 2	0 18	15 5	1 23	28 24	4 38	3 13	3 52	23 58		n.a.
F 18	14 21	25 38	4 49	17 51	1 51	3 4	1 3	13 48	1 11	5 49	1 13	15 55	1 54	24 2	0 18	15 5	1 23	28 24	4 38	3 10	3 50	23 56		n.a.
S 19	14 1	22 19	4 21	17 11	1 47	3 35	1 8	14 1	1 11	5 43	1 13	15 55	1 54	24 2	0 18	15 6	1 23	28 25	4 38	3 6	3 49	23 54		n.a.
S 20	13 42	18 4	3 42	16 29	1 42	4 6	1 12	14 13	1 11	5 38	1 13	15 55	1 54	24 2	0 18	15 6	1 23	28 25	4 38	3 3	3 48	23 52		n.a.
M21	13 22	13 7	2 53	15 45	1 37	4 37	1 17	14 25	1 12	5 32	1 13	15 56	1 54	24 2	0 18	15 7	1 23	28 25	4 38	3 0	3 47	23 50		n.a.
T 22	13 1	7 38	1 56	14 59	1 31	5 7	1 21	14 37	1 12	5 27	1 13	15 56	1 54	24 2	0 18	15 8	1 23	28 25	4 38	2 59	3 45	23 48		n.a.
W23	12 41	1 50	0 53	14 12	1 24	5 38	1 26	14 48	1 12	5 21	1 13	15 56	1 54	24 2	0 18	15 8	1 23	28 25	4 39	2 58	3 44	23 46		n.a.
T 24	12 20	4s 7	0s13	13 23	1 17	6 8	1 30	15 0	1 13	5 15	1 13	15 56	1 54	24 2	0 18	15 9	1 23	28 25	4 39	2 58	3 43	23 44		n.a.
F 25	12 0	10 0	1 20	12 32	1 10	6 38	1 35	15 12	1 13	5 10	1 12	15 56	1 54	24 2	0 18	15 9	1 23	28 26	4 39	2 58	3 41	23 42		n.a.
S 26	11 39	15 36	2 24	11 40	1 1	7 8	1 39	15 24	1 13	5 4	1 12	15 56	1 55	24 2	0 18	15 10	1 23	28 26	4 39	2 59	3 40	23 40		n.a.
S 27	11 17	20 39	3 23	10 46	0 53	7 38	1 44	15 35	1 13	4 59	1 12	15 56	1 55	24 3	0 18	15 10	1 23	28 26	4 39	2 59	3 39	23 38		n.a.
M28	10s56	24s49	4s12	9s51	0s43	8n 8	1n48	15n47	1n14	4s53	1s12	15s57	1n55	24s 3	0s18	15n11	1n23	28s26	4s40	2n59	3n38	23n36		n.a.

Julian Day Number = 1467970.5, Delta T = 05h33m31s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'25, Lahiri = -13°32'25 Julian Calendar 1 Feb. 694 BCE == Greg. Calendar 25 Jan. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

MARCH 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 3 34	2♓55'09	15♐ 0	8♓46	17♈19	9♉20	20♓50	19♏14	26♐43	23°R28	1♑ 2	7°R25	8♈59	5♌43	n.a.	T 1
W 2	10 7 31	3°54'06	29° 8	10°49	18°24	9°55	21° 3	19°15	26°45	23♌26	1° 3	7♈23	8°55	5°50	n.a.	W 2
T 3	10 11 28	4°53'01	13♑39	12°53	19°28	10°29	21°17	19°15	26°47	23°25	1° 4	7°20	8°52	5°56	n.a.	T 3
F 4	10 15 24	5°51'54	28°28	14°55	20°32	11° 4	21°32	19°15	26°49	23°23	1° 5	7°15	8°49	6° 3	n.a.	F 4
S 5	10 19 21	6°50'45	13♒30	16°57	21°36	11°39	21°46	19°16	26°50	23°21	1° 6	7°11	8°46	6°10	n.a.	S 5
S 6	10 23 17	7°49'34	28°36	18°57	22°39	12°14	22° 0	19°R16	26°52	23°20	1° 7	7° 7	8°43	6°17	n.a.	S 6
M 7	10 27 14	8°48'21	13♓36	20°55	23°43	12°49	22°14	19°16	26°54	23°18	1° 8	7° 4	8°39	6°23	n.a.	M 7
T 8	10 31 10	9°47'05	28°20	22°52	24°46	13°23	22°28	19°16	26°55	23°17	1° 9	7° 3	8°36	6°30	n.a.	T 8
W 9	10 35 7	10°45'48	12♈44	24°45	25°48	13°58	22°42	19°15	26°57	23°15	1°10	7°D 3	8°33	6°37	n.a.	W 9
T 10	10 39 3	11°44'28	26°42	26°36	26°51	14°33	22°56	19°15	26°58	23°13	1°11	7° 3	8°30	6°43	n.a.	T 10
F 11	10 43 0	12°43'06	10♉13	28°24	27°53	15° 8	23°10	19°15	27° 0	23°12	1°11	7° 5	8°27	6°50	n.a.	F 11
S 12	10 46 57	13°41'42	23°19	0♈ 9	28°54	15°44	23°24	19°14	27° 1	23°10	1°12	7° 6	8°24	6°57	n.a.	S 12
S 13	10 50 53	14°40'16	6♊ 2	1°49	29°56	16°19	23°39	19°13	27° 3	23° 9	1°13	7° 7	8°20	7° 3	n.a.	S 13
M14	10 54 50	15°38'47	18°25	3°26	0♉57	16°54	23°53	19°13	27° 4	23° 7	1°14	7°R 8	8°17	7°10	n.a.	M14
T 15	10 58 46	16°37'16	0♋34	4°58	1°57	17°29	24° 7	19°12	27° 5	23° 6	1°14	7° 7	8°14	7°17	n.a.	T 15
W16	11 2 43	17°35'42	12°33	6°26	2°57	18° 4	24°21	19°11	27° 6	23° 4	1°15	7° 5	8°11	7°24	n.a.	W16
T 17	11 6 39	18°34'07	24°26	7°49	3°57	18°40	24°36	19°10	27° 8	23° 3	1°16	7° 3	8° 8	7°30	n.a.	T 17
F 18	11 10 36	19°32'29	6♌17	9° 8	4°56	19°15	24°50	19° 9	27° 9	23° 1	1°17	7° 0	8° 5	7°37	n.a.	F 18
S 19	11 14 32	20°30'49	18° 9	10°22	5°55	19°50	25° 4	19° 8	27°10	23° 0	1°17	6°58	8° 1	7°44	n.a.	S 19
S 20	11 18 29	21°29'07	0♍ 6	11°30	6°54	20°26	25°18	19° 6	27°11	22°59	1°18	6°55	7°58	7°50	n.a.	S 20
M21	11 22 26	22°27'23	12° 8	12°34	7°52	21° 1	25°33	19° 5	27°12	22°57	1°18	6°53	7°55	7°57	n.a.	M21
T 22	11 26 22	23°25'37	24°19	13°32	8°50	21°36	25°47	19° 4	27°13	22°56	1°19	6°52	7°52	8° 4	n.a.	T 22
W23	11 30 19	24°23'49	6♎40	14°25	9°47	22°12	26° 1	19° 2	27°14	22°54	1°19	6°D52	7°49	8°11	n.a.	W23
T 24	11 34 15	25°21'59	19°12	15°13	10°43	22°47	26°15	19° 0	27°15	22°53	1°20	6°52	7°45	8°17	n.a.	T 24
F 25	11 38 12	26°20'07	1♏57	15°55	11°39	23°23	26°30	18°59	27°15	22°52	1°20	6°53	7°42	8°24	n.a.	F 25
S 26	11 42 8	27°18'14	14°55	16°32	12°35	23°58	26°44	18°57	27°16	22°50	1°21	6°54	7°39	8°31	n.a.	S 26
S 27	11 46 5	28°16'19	28° 8	17° 4	13°30	24°34	26°58	18°55	27°17	22°49	1°21	6°55	7°36	8°37	n.a.	S 27
M28	11 50 1	29°14'23	11♐36	17°30	14°24	25° 9	27°12	18°53	27°17	22°48	1°21	6°55	7°33	8°44	n.a.	M28
T 29	11 53 58	0♈12'25	25°22	17°50	15°18	25°45	27°27	18°51	27°18	22°47	1°22	6°R56	7°30	8°51	n.a.	T 29
W30	11 57 54	1°10'26	9♑23	18° 5	16°11	26°21	27°41	18°49	27°19	22°45	1°22	6°56	7°26	8°57	n.a.	W30
T 31	12 1 51	2♈ 8'25	23♑40	18♈15	17♉ 4	26♉56	27♓55	18♏46	27♐19	22♌44	1♑22	6♈55	7♈23	9♌ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	10s35	27s42	4s48	8s55	0s34	8n37	1n53	15n58	1n14	4s47	1s12	15s57	1n55	24s 3	0s18	15n11	1n23	28s26	4s40	2n59	3n36	23n34			n.a.
W 2	10 13	28 55	5 9	7 58	0 24	9 7	1 57	16 10	1 14	4 42	1 12	15 57	1 55	24 3	0 18	15 12	1 23	28 27	4 40	2 58	3 35	23 31			n.a.
T 3	9 51	28 12	5 10	7 1	0 13	9 36	2 2	16 21	1 14	4 36	1 12	15 57	1 55	24 3	0 18	15 13	1 23	28 27	4 40	2 57	3 34	23 29			n.a.
F 4	9 29	25 30	4 51	6 3	0 2	10 4	2 6	16 32	1 15	4 30	1 12	15 56	1 55	24 3	0 18	15 13	1 23	28 27	4 40	2 55	3 33	23 27			n.a.
S 5	9 7	21 1	4 12	5 5	0n 9	10 33	2 11	16 44	1 15	4 25	1 12	15 56	1 56	24 3	0 18	15 14	1 23	28 27	4 41	2 53	3 31	23 25			n.a.
S 6	8 45	15 10	3 15	4 7	0 21	11 1	2 15	16 55	1 15	4 19	1 12	15 56	1 56	24 3	0 18	15 14	1 23	28 27	4 41	2 52	3 30	23 23			n.a.
M 7	8 23	8 27	2 5	3 9	0 32	11 29	2 19	17 6	1 15	4 13	1 12	15 56	1 56	24 3	0 18	15 15	1 23	28 27	4 41	2 51	3 29	23 21			n.a.
T 8	8 1	1 24	0 48	2 12	0 44	11 57	2 24	17 17	1 15	4 7	1 12	15 56	1 56	24 3	0 18	15 15	1 23	28 28	4 41	2 50	3 28	23 19			n.a.
W 9	7 38	5n35	0n31	1 16	0 56	12 24	2 28	17 28	1 16	4 2	1 11	15 56	1 56	24 3	0 18	15 16	1 23	28 28	4 41	2 50	3 26	23 17			n.a.
T 10	7 15	12 5	1 46	0 20	1 7	12 51	2 32	17 38	1 16	3 56	1 11	15 56	1 56	24 3	0 18	15 16	1 23	28 28	4 42	2 50	3 25	23 14			n.a.
F 11	6 53	17 49	2 52	0n34	1 19	13 18	2 37	17 49	1 16	3 50	1 11	15 55	1 56	24 3	0 19	15 17	1 23	28 28	4 42	2 51	3 24	23 12			n.a.
S 12	6 30	22 32	3 47	1 26	1 30	13 45	2 41	18 0	1 16	3 45	1 11	15 55	1 56	24 3	0 19	15 17	1 23	28 28	4 42	2 52	3 22	23 10			n.a.
S 13	6 7	26 3	4 30	2 16	1 41	14 11	2 45	18 10	1 16	3 39	1 11	15 55	1 57	24 3	0 19	15 18	1 23	28 29	4 42	2 52	3 21	23 8			n.a.
M14	5 44	28 13	4 58	3 5	1 51	14 36	2 49	18 21	1 16	3 33	1 11	15 54	1 57	24 3	0 19	15 18	1 23	28 29	4 42	2 52	3 20	23 6			n.a.
T 15	5 21	29 0	5 13	3 51	2 1	15 2	2 54	18 31	1 17	3 27	1 11	15 54	1 57	24 4	0 19	15 19	1 23	28 29	4 43	2 52	3 19	23 4			n.a.
W16	4 58	28 23	5 13	4 35	2 11	15 27	2 58	18 41	1 17	3 21	1 11	15 54	1 57	24 4	0 19	15 19	1 23	28 29	4 43	2 51	3 17	23 1			n.a.
T 17	4 35	26 28	5 0	5 17	2 20	15 51	3 2	18 51	1 17	3 16	1 11	15 53	1 57	24 4	0 19	15 20	1 23	28 29	4 43	2 50	3 16	22 59			n.a.
F 18	4 12	23 24	4 35	5 56	2 28	16 16	3 6	19 1	1 17	3 10	1 11	15 53	1 57	24 4	0 19	15 20	1 23	28 30	4 43	2 49	3 15	22 57			n.a.
S 19	3 49	19 22	3 57	6 32	2 35	16 39	3 10	19 11	1 17	3 4	1 11	15 53	1 57	24 4	0 19	15 21	1 23	28 30	4 43	2 48	3 14	22 55			n.a.
S 20	3 25	14 33	3 9	7 5	2 42	17 3	3 13	19 21	1 17	2 58	1 11	15 52	1 57	24 4	0 19	15 21	1 23	28 30	4 44	2 47	3 12	22 53			n.a.
M21	3 2	9 8	2 12	7 36	2 48	17 26	3 17	19 31	1 17	2 53	1 11	15 52	1 57	24 4	0 19	15 22	1 23	28 30	4 44	2 46	3 11	22 50			n.a.
T 22	2 39	3 20	1 9	8 4	2 53	17 48	3 21	19 40	1 18	2 47	1 11	15 51	1 58	24 4	0 19	15 22	1 23	28 30	4 44	2 46	3 10	22 48			n.a.
W23	2 15	2s40	0 1	8 28	2 57	18 11	3 25	19 50	1 18	2 41	1 11	15 51	1 58	24 4	0 19	15 22	1 23	28 31	4 44	2 46	3 8	22 46			n.a.
T 24	1 52	8 40	1s 8	8 50	3 0	18 32	3 28	19 59	1 18	2 35	1 11	15 50	1 58	24 4	0 19	15 23	1 23	28 31	4 44	2 46	3 7	22 44			n.a.
F 25	1 29	14 25	2 14	9 8	3 1	18 53	3 32	20 8	1 18	2 30	1 11	15 49	1 58	24 4	0 19	15 23	1 23	28 31	4 45	2 46	3 6	22 41			n.a.
S 26	1 5	19 39	3 15	9 23	3 2	19 14	3 35	20 17	1 18	2 24	1 11	15 49	1 58	24 4	0 19	15 24	1 23	28 31	4 45	2 47	3 5	22 39			n.a.
S 27	0 42	24 2	4 7	9 35	3 2	19 35	3 38	20 26	1 18	2 18	1 11	15 48	1 58	24 4	0 19	15 24	1 23	28 32	4 45	2 47	3 3	22 37			n.a.
M28	0 18	27 14	4 47	9 44	3 1	19 54	3 41	20 35	1 18	2 12	1 11	15 48	1 58	24 4	0 19	15 25	1 23	28 32	4 45	2 47	3 2	22 35			n.a.
T 29	0n 5	28 52	5 10	9 50	2 58	20 14	3 44	20 44	1 18	2 6	1 11	15 47	1 58	24 4	0 19	15 25	1 23	28 32	4 45	2 47	3 1	22 32			n.a.
W30	0 28	28 42	5 17	9 52	2 54	20 32	3 47	20 53	1 18	2 1	1 11	15 46	1 58	24 4	0 19	15 25	1 23	28 32	4 46	2 47	3 0	22 30			n.a.
T 31	0n52	26s39	5s 3	9n51	2n49	20n51	3n50	21n 1	1n18	1s55	1s11	15s45	1n59	24s 4	0s19	15n26	1n23	28s32	4s46	2n47	2n58	22n28			n.a.

Julian Day Number = 1467998.5, Delta T = 05h33m30s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'22, Lahiri = -13°32'21 Julian Calendar 1 March 694 BCE == Greg. Calendar 22 Feb. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

APRIL 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 5 48	3♈ 6'23	8♒ 9	18°R19	17♉56	27♉32	28♓ 9	18°R44	27♐19	22°R43	1♑23	6°R55	7♈20	9♌11	n.a.	F 1
S 2	12 9 44	4° 4'20	22°47	18♈18	18°48	28° 8	28°24	18♏42	27°20	22♌42	1°23	6♈55	7°17	9°18	n.a.	S 2
S 3	12 13 41	5° 2'15	7♓28	18°12	19°38	28°44	28°38	18°39	27°20	22°41	1°23	6°54	7°14	9°24	n.a.	S 3
M 4	12 17 37	6° 0'08	22° 6	18° 1	20°28	29°19	28°52	18°37	27°20	22°40	1°23	6°54	7°11	9°31	n.a.	M 4
T 5	12 21 34	6°58'00	6♈34	17°46	21°17	29°55	29° 6	18°34	27°21	22°39	1°23	6°54	7° 7	9°38	n.a.	T 5
W 6	12 25 30	7°55'50	20°47	17°26	22° 6	0♊31	29°20	18°31	27°21	22°38	1°24	6°54	7° 4	9°44	n.a.	W 6
T 7	12 29 27	8°53'38	4♉41	17° 3	22°54	1° 7	29°35	18°28	27°21	22°36	1°24	6°54	7° 1	9°51	n.a.	T 7
F 8	12 33 23	9°51'25	18°12	16°36	23°41	1°43	29°49	18°26	27°21	22°35	1°24	6°54	6°58	9°58	n.a.	F 8
S 9	12 37 20	10°49'10	1♊20	16° 7	24°27	2°19	0♈ 3	18°23	27°R21	22°34	1°24	6°53	6°55	10° 4	n.a.	S 9
S 10	12 41 17	11°46'54	14° 7	15°35	25°12	2°55	0°17	18°20	27°21	22°33	1°R24	6°53	6°51	10°11	n.a.	S 10
M11	12 45 13	12°44'36	26°34	15° 1	25°56	3°31	0°31	18°16	27°21	22°33	1°24	6°53	6°48	10°18	n.a.	M11
T 12	12 49 10	13°42'16	8♋46	14°26	26°39	4° 7	0°45	18°13	27°21	22°32	1°24	6°D52	6°45	10°25	n.a.	T 12
W13	12 53 6	14°39'54	20°46	13°51	27°21	4°43	0°59	18°10	27°21	22°31	1°24	6°52	6°42	10°31	n.a.	W13
T 14	12 57 3	15°37'31	2♌40	13°16	28° 3	5°19	1°13	18° 7	27°21	22°30	1°24	6°53	6°39	10°38	n.a.	T 14
F 15	13 0 59	16°35'06	14°31	12°41	28°43	5°55	1°27	18° 3	27°20	22°29	1°23	6°53	6°36	10°45	n.a.	F 15
S 16	13 4 56	17°32'39	26°25	12° 7	29°22	6°31	1°41	18° 0	27°20	22°28	1°23	6°54	6°32	10°51	n.a.	S 16
S 17	13 8 52	18°30'11	8♍25	11°36	29°59	7° 7	1°55	17°56	27°20	22°28	1°23	6°55	6°29	10°58	n.a.	S 17
M18	13 12 49	19°27'42	20°34	11° 7	0♊36	7°43	2° 9	17°53	27°19	22°27	1°23	6°56	6°26	11° 5	n.a.	M18
T 19	13 16 46	20°25'11	2♎56	10°40	1°11	8°19	2°23	17°49	27°19	22°26	1°23	6°R57	6°23	11°11	n.a.	T 19
W20	13 20 42	21°22'38	15°32	10°17	1°45	8°55	2°37	17°46	27°18	22°25	1°22	6°57	6°20	11°18	n.a.	W20
T 21	13 24 39	22°20'05	28°23	9°57	2°18	9°32	2°50	17°42	27°18	22°25	1°22	6°56	6°16	11°25	n.a.	T 21
F 22	13 28 35	23°17'30	11♏30	9°42	2°49	10° 8	3° 4	17°38	27°17	22°24	1°22	6°54	6°13	11°32	n.a.	F 22
S 23	13 32 32	24°14'54	24°52	9°30	3°19	10°44	3°18	17°34	27°17	22°23	1°21	6°52	6°10	11°38	n.a.	S 23
S 24	13 36 28	25°12'17	8♐27	9°22	3°48	11°20	3°32	17°30	27°16	22°23	1°21	6°50	6° 7	11°45	n.a.	S 24
M25	13 40 25	26° 9'40	22°14	9°D19	4°14	11°57	3°45	17°27	27°15	22°22	1°21	6°47	6° 4	11°52	n.a.	M25
T 26	13 44 21	27° 7'02	6♑11	9°21	4°40	12°33	3°59	17°23	27°14	22°22	1°20	6°45	6° 1	11°58	n.a.	T 26
W27	13 48 18	28° 4'23	20°16	9°27	5° 3	13° 9	4°13	17°19	27°14	22°21	1°20	6°44	5°57	12° 5	n.a.	W27
T 28	13 52 15	29° 1'43	4♒27	9°37	5°25	13°46	4°26	17°15	27°13	22°21	1°19	6°D44	5°54	12°12	n.a.	T 28
F 29	13 56 11	29°59'02	18°43	9°52	5°45	14°22	4°40	17°11	27°12	22°21	1°19	6°45	5°51	12°18	n.a.	F 29
S 30	14 0 8	0♉56'21	2♓59	10♈11	6♊ 3	14♊58	4♈53	17♏ 6	27♐11	22♌20	1♑18	6♈46	5♈48	12♌25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n15	22s51	4s31	9n47	2n43	21n 9	3n53	21n10	1n19	1s49	1s11	15s45	1n59	24s 4	0s19	15n26	1n23	28s33	4s46	2n47	2n57	22n25		n.a.
S 2	1 38	17 35	3 41	9 40	2 35	21 26	3 56	21 18	1 19	1 43	1 11	15 44	1 59	24 4	0 19	15 26	1 22	28 33	4 46	2 47	2 56	22 23		n.a.
S 3	2 2	11 18	2 36	9 29	2 27	21 43	3 58	21 26	1 19	1 38	1 11	15 43	1 59	24 4	0 19	15 27	1 22	28 33	4 47	2 47	2 54	22 21		n.a.
M 4	2 25	4 25	1 21	9 16	2 17	21 59	4 1	21 34	1 19	1 32	1 11	15 42	1 59	24 4	0 19	15 27	1 22	28 33	4 47	2 47	2 53	22 19		n.a.
T 5	2 48	2n37	0 2	9 0	2 6	22 14	4 3	21 42	1 19	1 26	1 11	15 42	1 59	24 4	0 19	15 28	1 22	28 33	4 47	2 47	2 52	22 16		n.a.
W 6	3 11	9 24	1n16	8 41	1 53	22 30	4 5	21 50	1 19	1 21	1 11	15 41	1 59	24 4	0 19	15 28	1 22	28 34	4 47	2 47	2 51	22 14		n.a.
T 7	3 34	15 35	2 28	8 20	1 40	22 44	4 7	21 58	1 19	1 15	1 11	15 40	1 59	24 4	0 19	15 28	1 22	28 34	4 47	2 47	2 49	22 12		n.a.
F 8	3 58	20 50	3 29	7 56	1 26	22 58	4 9	22 5	1 19	1 9	1 11	15 39	1 59	24 4	0 19	15 29	1 22	28 34	4 48	2 47	2 48	22 9		n.a.
S 9	4 20	24 56	4 18	7 31	1 11	23 11	4 11	22 13	1 19	1 3	1 11	15 38	1 59	24 4	0 19	15 29	1 22	28 34	4 48	2 46	2 47	22 7		n.a.
S 10	4 43	27 39	4 52	7 4	0 55	23 24	4 12	22 20	1 19	0 58	1 11	15 37	1 59	24 4	0 19	15 29	1 22	28 34	4 48	2 46	2 46	22 5		n.a.
M11	5 6	28 56	5 12	6 36	0 39	23 37	4 13	22 27	1 19	0 52	1 11	15 36	1 59	24 5	0 19	15 29	1 22	28 35	4 48	2 46	2 44	22 2		n.a.
T 12	5 29	28 45	5 17	6 7	0 22	23 48	4 14	22 34	1 19	0 46	1 11	15 35	1 59	24 5	0 19	15 30	1 22	28 35	4 49	2 46	2 43	22 0		n.a.
W13	5 52	27 13	5 8	5 37	0 5	23 59	4 15	22 41	1 19	0 41	1 11	15 34	2 0	24 5	0 19	15 30	1 22	28 35	4 49	2 46	2 42	21 58		n.a.
T 14	6 14	24 28	4 45	5 7	0s12	24 10	4 16	22 48	1 19	0 35	1 11	15 33	2 0	24 5	0 19	15 30	1 22	28 35	4 49	2 46	2 40	21 55		n.a.
F 15	6 37	20 42	4 11	4 38	0 29	24 20	4 17	22 54	1 19	0 29	1 11	15 32	2 0	24 5	0 19	15 30	1 22	28 36	4 49	2 46	2 39	21 53		n.a.
S 16	6 59	16 7	3 26	4 9	0 46	24 29	4 17	23 0	1 19	0 24	1 11	15 31	2 0	24 5	0 19	15 31	1 22	28 36	4 49	2 47	2 38	21 50		n.a.
S 17	7 21	10 52	2 31	3 42	1 2	24 37	4 17	23 7	1 19	0 18	1 11	15 30	2 0	24 5	0 19	15 31	1 22	28 36	4 50	2 47	2 37	21 48		n.a.
M18	7 43	5 9	1 29	3 16	1 18	24 45	4 17	23 13	1 19	0 13	1 11	15 29	2 0	24 5	0 19	15 31	1 22	28 36	4 50	2 48	2 35	21 46		n.a.
T 19	8 5	0s51	0 22	2 51	1 34	24 53	4 17	23 19	1 19	0 7	1 11	15 28	2 0	24 5	0 19	15 31	1 22	28 36	4 50	2 48	2 34	21 43		n.a.
W20	8 27	6 56	0s47	2 28	1 48	24 59	4 16	23 25	1 19	0 2	1 11	15 27	2 0	24 5	0 19	15 32	1 22	28 37	4 50	2 48	2 33	21 41		n.a.
T 21	8 49	12 51	1 56	2 8	2 2	25 5	4 15	23 30	1 19	0n 4	1 11	15 26	2 0	24 5	0 19	15 32	1 22	28 37	4 50	2 47	2 32	21 38		n.a.
F 22	9 10	18 20	2 59	1 50	2 15	25 11	4 14	23 36	1 19	0 10	1 11	15 25	2 0	24 5	0 20	15 32	1 22	28 37	4 51	2 47	2 30	21 36		n.a.
S 23	9 32	23 2	3 54	1 34	2 27	25 15	4 13	23 41	1 19	0 15	1 11	15 24	2 0	24 5	0 20	15 32	1 22	28 37	4 51	2 46	2 29	21 34		n.a.
S 24	9 53	26 35	4 37	1 21	2 38	25 19	4 11	23 46	1 19	0 21	1 11	15 23	2 0	24 5	0 20	15 32	1 22	28 37	4 51	2 45	2 28	21 31		n.a.
M25	10 14	28 37	5 5	1 11	2 48	25 23	4 9	23 51	1 19	0 26	1 11	15 22	2 0	24 5	0 20	15 32	1 22	28 38	4 51	2 44	2 26	21 29		n.a.
T 26	10 35	28 52	5 15	1 3	2 57	25 25	4 7	23 56	1 19	0 31	1 11	15 21	2 0	24 5	0 20	15 33	1 22	28 38	4 51	2 43	2 25	21 26		n.a.
W27	10 56	27 16	5 6	0 58	3 5	25 27	4 5	24 1	1 19	0 37	1 11	15 19	2 0	24 5	0 20	15 33	1 22	28 38	4 52	2 43	2 24	21 24		n.a.
T 28	11 17	23 55	4 39	0 56	3 12	25 28	4 2	24 5	1 19	0 42	1 11	15 18	2 0	24 5	0 20	15 33	1 22	28 38	4 52	2 43	2 23	21 22		n.a.
F 29	11 38	19 8	3 54	0 56	3 18	25 29	3 58	24 10	1 19	0 48	1 11	15 17	2 0	24 5	0 20	15 33	1 22	28 39	4 52	2 43	2 21	21 19		n.a.
S 30	11n58	13s16	2s55	1n 0	3s22	25n29	3n55	24n14	1n19	0n53	1s11	15s16	2n 0	24s 5	0s20	15n33	1n22	28s39	4s52	2n44	2n20	21n17		n.a.

Julian Day Number = 1468029.5, Delta T = 05h33m28s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'17, Lahiri = -13°32'17 Julian Calendar 1 Apr. 694 BCE == Greg. Calendar 25 March 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

MAY 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 4 4	1♉53'39	17♓14	10♈35	6♊19	15♊35	5♈ 7	17°R 2	27°R10	22°R20	1°R18	6♈48	5♈45	12♌32	n.a.	S 1
M 2	14 8 1	2°50'57	1♈25	11° 3	6°34	16°11	5°20	16♏58	27♐ 9	22♌19	1♑17	6°R49	5°42	12°39	n.a.	M 2
T 3	14 11 57	3°48'13	15°28	11°35	6°46	16°48	5°33	16°54	27° 8	22°19	1°17	6°48	5°38	12°45	n.a.	T 3
W 4	14 15 54	4°45'29	29°20	12°12	6°56	17°24	5°47	16°50	27° 7	22°19	1°16	6°47	5°35	12°52	n.a.	W 4
T 5	14 19 50	5°42'45	12♉58	12°52	7° 4	18° 1	6° 0	16°45	27° 5	22°19	1°15	6°44	5°32	12°59	n.a.	T 5
F 6	14 23 47	6°39'59	26°18	13°37	7°10	18°37	6°13	16°41	27° 4	22°18	1°15	6°40	5°29	13° 5	n.a.	F 6
S 7	14 27 44	7°37'13	9♊20	14°25	7°14	19°14	6°26	16°37	27° 3	22°18	1°14	6°35	5°26	13°12	n.a.	S 7
S 8	14 31 40	8°34'26	22° 4	15°17	7°R15	19°51	6°40	16°32	27° 2	22°18	1°13	6°30	5°22	13°19	n.a.	S 8
M 9	14 35 37	9°31'38	4♋31	16°13	7°14	20°27	6°53	16°28	27° 0	22°18	1°13	6°25	5°19	13°25	n.a.	M 9
T 10	14 39 33	10°28'50	16°43	17°12	7°11	21° 4	7° 6	16°24	26°59	22°18	1°12	6°22	5°16	13°32	n.a.	T 10
W11	14 43 30	11°26'00	28°43	18°15	7° 5	21°40	7°19	16°19	26°58	22°18	1°11	6°19	5°13	13°39	n.a.	W11
T 12	14 47 26	12°23'10	10♌37	19°22	6°57	22°17	7°31	16°15	26°56	22°D18	1°10	6°D19	5°10	13°45	n.a.	T 12
F 13	14 51 23	13°20'19	22°29	20°31	6°47	22°54	7°44	16°11	26°55	22°18	1°10	6°19	5° 7	13°52	n.a.	F 13
S 14	14 55 19	14°17'27	4♍23	21°45	6°34	23°31	7°57	16° 6	26°53	22°18	1° 9	6°20	5° 3	13°59	n.a.	S 14
S 15	14 59 16	15°14'34	16°24	23° 1	6°18	24° 7	8°10	16° 2	26°52	22°18	1° 8	6°22	5° 0	14° 6	n.a.	S 15
M16	15 3 13	16°11'40	28°38	24°21	6° 1	24°44	8°22	15°57	26°50	22°18	1° 7	6°23	4°57	14°12	n.a.	M16
T 17	15 7 9	17° 8'46	11♎ 8	25°44	5°41	25°21	8°35	15°53	26°48	22°18	1° 6	6°R23	4°54	14°19	n.a.	T 17
W18	15 11 6	18° 5'52	23°57	27°11	5°18	25°58	8°47	15°49	26°47	22°19	1° 5	6°22	4°51	14°26	n.a.	W18
T 19	15 15 2	19° 2'57	7♏ 6	28°40	4°54	26°34	9° 0	15°44	26°45	22°19	1° 4	6°18	4°48	14°32	n.a.	T 19
F 20	15 18 59	20° 0'02	20°35	0♑13	4°28	27°11	9°12	15°40	26°43	22°19	1° 3	6°13	4°44	14°39	n.a.	F 20
S 21	15 22 55	20°57'06	4♐22	1°49	3°59	27°48	9°25	15°35	26°41	22°19	1° 2	6° 7	4°41	14°46	n.a.	S 21
S 22	15 26 52	21°54'11	18°24	3°28	3°29	28°25	9°37	15°31	26°40	22°20	1° 1	6° 0	4°38	14°52	n.a.	S 22
M23	15 30 49	22°51'15	2♑37	5°10	2°58	29° 2	9°49	15°27	26°38	22°20	1° 0	5°53	4°35	14°59	n.a.	M23
T 24	15 34 45	23°48'20	16°55	6°55	2°24	29°39	10° 1	15°22	26°36	22°20	0°59	5°47	4°32	15° 6	n.a.	T 24
W25	15 38 42	24°45'25	1♒14	8°43	1°50	0♋16	10°13	15°18	26°34	22°21	0°58	5°43	4°28	15°12	n.a.	W25
T 26	15 42 38	25°42'29	15°31	10°34	1°14	0°53	10°25	15°14	26°32	22°21	0°57	5°41	4°25	15°19	n.a.	T 26
F 27	15 46 35	26°39'34	29°42	12°27	0°38	1°30	10°37	15° 9	26°30	22°22	0°56	5°D40	4°22	15°26	n.a.	F 27
S 28	15 50 31	27°36'40	13♓46	14°23	0° 1	2° 7	10°49	15° 5	26°28	22°22	0°55	5°41	4°19	15°33	n.a.	S 28
S 29	15 54 28	28°33'45	27°42	16°22	29♉24	2°44	11° 0	15° 1	26°26	22°23	0°54	5°42	4°16	15°39	n.a.	S 29
M30	15 58 24	29°30'51	11♈29	18°22	28°46	3°21	11°12	14°57	26°24	22°23	0°53	5°R42	4°13	15°46	n.a.	M30
T 31	16 2 21	0♊27'57	25♈ 7	20♉25	28♉ 9	3♋58	11♈24	14♏53	26♐22	22♌24	0♑52	5♈40	4♈ 9	15♌53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n18	6s44	1s45	1n 6	3s26	25n28	3n51	24n18	1n19	0n58	1s11	15s15	2n 0	24s 5	0s20	15n33	1n22	28s39	4s52	2n44	2n19	21n14		n.a.
M 2	12 38	0n 7	0 30	1 14	3 29	25 26	3 47	24 22	1 19	1 4	1 11	15 14	2 0	24 5	0 20	15 33	1 22	28 39	4 53	2 44	2 18	21 12		n.a.
T 3	12 58	6 54	0n47	1 25	3 31	25 23	3 42	24 26	1 19	1 9	1 11	15 12	2 0	24 5	0 20	15 33	1 22	28 39	4 53	2 44	2 16	21 9		n.a.
W 4	13 17	13 16	2 0	1 39	3 32	25 20	3 37	24 29	1 19	1 14	1 11	15 11	2 0	24 5	0 20	15 33	1 22	28 40	4 53	2 44	2 15	21 7		n.a.
T 5	13 37	18 53	3 5	1 55	3 31	25 16	3 31	24 33	1 19	1 20	1 11	15 10	2 0	24 5	0 20	15 33	1 22	28 40	4 53	2 43	2 14	21 4		n.a.
F 6	13 56	23 27	3 58	2 13	3 31	25 11	3 25	24 36	1 19	1 25	1 11	15 9	2 0	24 5	0 20	15 33	1 21	28 40	4 53	2 41	2 12	21 2		n.a.
S 7	14 15	26 44	4 37	2 33	3 29	25 5	3 19	24 39	1 19	1 30	1 11	15 8	2 0	24 5	0 20	15 33	1 21	28 40	4 54	2 39	2 11	20 59		n.a.
S 8	14 34	28 34	5 2	2 56	3 26	24 59	3 12	24 42	1 19	1 35	1 12	15 6	2 0	24 5	0 20	15 33	1 21	28 40	4 54	2 37	2 10	20 57		n.a.
M 9	14 52	28 53	5 11	3 21	3 23	24 52	3 4	24 45	1 19	1 40	1 12	15 5	2 0	24 5	0 20	15 33	1 21	28 41	4 54	2 35	2 9	20 54		n.a.
T 10	15 11	27 47	5 7	3 47	3 19	24 43	2 57	24 47	1 19	1 46	1 12	15 4	2 0	24 5	0 20	15 33	1 21	28 41	4 54	2 34	2 7	20 52		n.a.
W11	15 29	25 24	4 48	4 16	3 14	24 34	2 48	24 50	1 19	1 51	1 12	15 3	2 0	24 5	0 20	15 33	1 21	28 41	4 54	2 33	2 6	20 49		n.a.
T 12	15 46	21 57	4 18	4 46	3 9	24 24	2 40	24 52	1 19	1 56	1 12	15 2	2 0	24 5	0 20	15 33	1 21	28 41	4 55	2 32	2 5	20 47		n.a.
F 13	16 4	17 37	3 36	5 19	3 3	24 13	2 30	24 54	1 19	2 1	1 12	15 0	2 0	24 5	0 20	15 33	1 21	28 41	4 55	2 33	2 3	20 44		n.a.
S 14	16 21	12 36	2 45	5 52	2 56	24 1	2 21	24 56	1 19	2 6	1 12	14 59	2 0	24 5	0 20	15 33	1 21	28 42	4 55	2 33	2 2	20 42		n.a.
S 15	16 38	7 4	1 47	6 28	2 49	23 49	2 11	24 57	1 19	2 11	1 12	14 58	2 0	24 5	0 20	15 33	1 21	28 42	4 55	2 34	2 1	20 39		n.a.
M16	16 55	1 11	0 42	7 5	2 41	23 35	2 0	24 59	1 19	2 16	1 12	14 57	1 59	24 5	0 20	15 33	1 21	28 42	4 55	2 34	2 0	20 37		n.a.
T 17	17 12	4s52	0s26	7 43	2 32	23 21	1 49	25 0	1 18	2 21	1 12	14 55	1 59	24 5	0 20	15 33	1 21	28 42	4 56	2 34	1 58	20 34		n.a.
W18	17 28	10 52	1 34	8 23	2 24	23 5	1 37	25 1	1 18	2 26	1 12	14 54	1 59	24 5	0 20	15 33	1 21	28 42	4 56	2 34	1 57	20 32		n.a.
T 19	17 44	16 34	2 38	9 4	2 14	22 49	1 25	25 2	1 18	2 31	1 12	14 53	1 59	24 5	0 20	15 33	1 21	28 42	4 56	2 32	1 56	20 29		n.a.
F 20	18 0	21 37	3 36	9 46	2 4	22 32	1 13	25 3	1 18	2 35	1 12	14 52	1 59	24 5	0 20	15 33	1 21	28 43	4 56	2 30	1 55	20 26		n.a.
S 21	18 15	25 36	4 22	10 29	1 54	22 14	1 0	25 4	1 18	2 40	1 13	14 51	1 59	24 4	0 20	15 33	1 21	28 43	4 56	2 28	1 53	20 24		n.a.
S 22	18 30	28 8	4 53	11 14	1 44	21 56	0 47	25 4	1 18	2 45	1 13	14 49	1 59	24 4	0 20	15 32	1 21	28 43	4 56	2 25	1 52	20 21		n.a.
M23	18 45	28 52	5 7	11 58	1 33	21 36	0 34	25 5	1 18	2 50	1 13	14 48	1 59	24 4	0 20	15 32	1 21	28 43	4 57	2 22	1 51	20 19		n.a.
T 24	18 59	27 41	5 2	12 44	1 22	21 17	0 21	25 5	1 18	2 55	1 13	14 47	1 59	24 4	0 20	15 32	1 21	28 43	4 57	2 20	1 49	20 16		n.a.
W25	19 14	24 41	4 38	13 30	1 10	20 56	0 7	25 5	1 18	2 59	1 13	14 46	1 59	24 4	0 20	15 32	1 21	28 44	4 57	2 18	1 48	20 14		n.a.
T 26	19 28	20 10	3 57	14 16	0 59	20 35	0s 7	25 4	1 18	3 4	1 13	14 45	1 59	24 4	0 20	15 32	1 21	28 44	4 57	2 17	1 47	20 11		n.a.
F 27	19 41	14 33	3 1	15 3	0 47	20 14	0 21	25 4	1 18	3 9	1 13	14 44	1 59	24 4	0 20	15 32	1 21	28 44	4 57	2 17	1 46	20 8		n.a.
S 28	19 54	8 14	1 55	15 49	0 36	19 52	0 35	25 3	1 18	3 13	1 13	14 42	1 58	24 4	0 20	15 31	1 21	28 44	4 57	2 17	1 44	20 6		n.a.
S 29	20 7	1 35	0 43	16 35	0 24	19 31	0 49	25 3	1 17	3 18	1 13	14 41	1 58	24 4	0 20	15 31	1 21	28 44	4 58	2 18	1 43	20 3		n.a.
M30	20 20	5n 5	0n31	17 20	0 13	19 9	1 3	25 2	1 17	3 22	1 13	14 40	1 58	24 4	0 20	15 31	1 21	28 44	4 58	2 18	1 42	20 1		n.a.
T 31	20n32	11n26	1n42	18n 5	0s 2	18n47	1s17	25n 0	1n17	3n27	1s14	14s39	1n58	24s 4	0s20	15n31	1n21	28s45	4s58	2n17	1n40	19n58		n.a.

Julian Day Number = 1468059.5, Delta T = 05h33m27s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'13, Lahiri = -13°32'13 Julian Calendar 1 May 694 BCE == Greg. Calendar 24 Apr. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

JUNE 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 6 18	1♊25'03	8♉34	22♉30	27°R32	4♋35	11♈35	14°R48	26°R20	22♎25	0°R50	5°R36	4♈ 6	15♎59	n.a.	W 1
T 2	16 10 14	2°22'10	21°50	24°36	26♉56	5°12	11°47	14♏44	26♐18	22°25	0♑49	5♈30	4° 3	16° 6	n.a.	T 2
F 3	16 14 11	3°19'17	4♊52	26°43	26°20	5°50	11°58	14°40	26°16	22°26	0°48	5°22	4° 0	16°13	n.a.	F 3
S 4	16 18 7	4°16'25	17°41	28°51	25°46	6°27	12° 9	14°36	26°13	22°27	0°47	5°12	3°57	16°19	n.a.	S 4
S 5	16 22 4	5°13'32	0♋16	1♊ 0	25°12	7° 4	12°20	14°32	26°11	22°27	0°46	5° 1	3°54	16°26	n.a.	S 5
M 6	16 26 0	6°10'40	12°36	3°10	24°40	7°41	12°31	14°28	26° 9	22°28	0°44	4°51	3°50	16°33	n.a.	M 6
T 7	16 29 57	7° 7'48	24°45	5°19	24°10	8°19	12°42	14°24	26° 7	22°29	0°43	4°42	3°47	16°39	n.a.	T 7
W 8	16 33 54	8° 4'56	6♌43	7°28	23°41	8°56	12°53	14°21	26° 5	22°30	0°42	4°36	3°44	16°46	n.a.	W 8
T 9	16 37 50	9° 2'04	18°35	9°37	23°14	9°33	13° 4	14°17	26° 2	22°31	0°41	4°31	3°41	16°53	n.a.	T 9
F 10	16 41 47	9°59'12	0♍25	11°45	22°49	10°11	13°14	14°13	26° 0	22°32	0°39	4°29	3°38	17° 0	n.a.	F 10
S 11	16 45 43	10°56'21	12°18	13°52	22°27	10°48	13°25	14° 9	25°58	22°33	0°38	4°D29	3°34	17° 6	n.a.	S 11
S 12	16 49 40	11°53'30	24°18	15°59	22° 6	11°25	13°35	14° 6	25°56	22°34	0°37	4°29	3°31	17°13	n.a.	S 12
M13	16 53 36	12°50'38	6♎33	18° 4	21°48	12° 3	13°46	14° 2	25°53	22°35	0°35	4°R29	3°28	17°20	n.a.	M13
T 14	16 57 33	13°47'48	19° 6	20° 7	21°32	12°40	13°56	13°59	25°51	22°36	0°34	4°28	3°25	17°26	n.a.	T 14
W15	17 1 29	14°44'57	2♏ 1	22°10	21°18	13°18	14° 6	13°55	25°49	22°37	0°33	4°25	3°22	17°33	n.a.	W15
T 16	17 5 26	15°42'07	15°20	24°11	21° 7	13°55	14°16	13°52	25°46	22°38	0°31	4°20	3°19	17°40	n.a.	T 16
F 17	17 9 23	16°39'18	29° 6	26°10	20°58	14°33	14°26	13°48	25°44	22°39	0°30	4°12	3°15	17°46	n.a.	F 17
S 18	17 13 19	17°36'29	13♐14	28° 7	20°51	15°10	14°36	13°45	25°41	22°40	0°29	4° 3	3°12	17°53	n.a.	S 18
S 19	17 17 16	18°33'42	27°41	0♋ 3	20°47	15°48	14°45	13°42	25°39	22°41	0°27	3°52	3° 9	18° 0	n.a.	S 19
M20	17 21 12	19°30'54	12♑21	1°58	20°D45	16°26	14°55	13°39	25°37	22°42	0°26	3°42	3° 6	18° 6	n.a.	M20
T 21	17 25 9	20°28'08	27° 4	3°50	20°46	17° 3	15° 4	13°36	25°34	22°44	0°25	3°33	3° 3	18°13	n.a.	T 21
W22	17 29 5	21°25'23	11♒45	5°41	20°49	17°41	15°14	13°33	25°32	22°45	0°23	3°26	3° 0	18°20	n.a.	W22
T 23	17 33 2	22°22'39	26°16	7°30	20°54	18°18	15°23	13°30	25°30	22°46	0°22	3°21	2°56	18°26	n.a.	T 23
F 24	17 36 59	23°19'56	10♓33	9°18	21° 1	18°56	15°32	13°27	25°27	22°48	0°21	3°19	2°53	18°33	n.a.	F 24
S 25	17 40 55	24°17'14	24°36	11° 3	21°11	19°34	15°41	13°24	25°25	22°49	0°19	3°19	2°50	18°40	n.a.	S 25
S 26	17 44 52	25°14'33	8♈23	12°47	21°22	20°12	15°50	13°21	25°22	22°50	0°18	3°19	2°47	18°46	n.a.	S 26
M27	17 48 48	26°11'54	21°55	14°30	21°36	20°49	15°59	13°19	25°20	22°52	0°16	3°18	2°44	18°53	n.a.	M27
T 28	17 52 45	27° 9'16	5♉14	16°11	21°52	21°27	16° 7	13°16	25°18	22°53	0°15	3°15	2°40	19° 0	n.a.	T 28
W29	17 56 41	28° 6'39	18°20	17°50	22° 9	22° 5	16°16	13°14	25°15	22°54	0°14	3°10	2°37	19° 7	n.a.	W29
T 30	18 0 38	29♊ 4'03	1♊15	19♋27	22♉28	22♋43	16♈24	13♏11	25♐13	22♎56	0♑12	3♈ 1	2♈34	19♎13	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n44	17n11	2n47	18n48	0n 9	18n26	1s30	24n59	1n17	3n31	1s14	14s38	1n58	24s 4	0s20	15n30	1n21	28s45	4s58	2n15	1n39	19n55		n.a.
T 2	20 56	22 2	3 41	19 31	0 20	18 4	1 44	24 58	1 17	3 35	1 14	14 37	1 58	24 4	0 20	15 30	1 21	28 45	4 58	2 13	1 38	19 53		n.a.
F 3	21 7	25 43	4 22	20 12	0 30	17 43	1 57	24 56	1 17	3 40	1 14	14 36	1 58	24 4	0 20	15 30	1 21	28 45	4 58	2 10	1 37	19 50		n.a.
S 4	21 18	28 1	4 50	20 51	0 40	17 22	2 10	24 54	1 17	3 44	1 14	14 35	1 58	24 4	0 20	15 30	1 20	28 45	4 58	2 5	1 35	19 47		n.a.
S 5	21 29	28 50	5 3	21 28	0 50	17 2	2 22	24 52	1 17	3 48	1 14	14 34	1 57	24 4	0 20	15 29	1 20	28 45	4 59	2 1	1 34	19 45		n.a.
M 6	21 39	28 10	5 1	22 3	0 59	16 43	2 34	24 50	1 16	3 53	1 14	14 33	1 57	24 4	0 20	15 29	1 20	28 45	4 59	1 57	1 33	19 42		n.a.
T 7	21 49	26 10	4 46	22 35	1 7	16 24	2 46	24 47	1 16	3 57	1 14	14 32	1 57	24 4	0 20	15 29	1 20	28 46	4 59	1 54	1 32	19 40		n.a.
W 8	21 58	23 1	4 18	23 5	1 14	16 6	2 57	24 45	1 16	4 1	1 14	14 31	1 57	24 4	0 20	15 28	1 20	28 46	4 59	1 51	1 30	19 37		n.a.
T 9	22 7	18 56	3 39	23 33	1 21	15 49	3 8	24 42	1 16	4 5	1 15	14 30	1 57	24 4	0 20	15 28	1 20	28 46	4 59	1 49	1 29	19 34		n.a.
F 10	22 16	14 9	2 51	23 58	1 28	15 33	3 18	24 39	1 16	4 9	1 15	14 29	1 57	24 4	0 20	15 28	1 20	28 46	4 59	1 48	1 28	19 32		n.a.
S 11	22 24	8 49	1 55	24 20	1 33	15 18	3 28	24 36	1 16	4 13	1 15	14 28	1 57	24 4	0 20	15 27	1 20	28 46	4 59	1 48	1 26	19 29		n.a.
S 12	22 32	3 7	0 54	24 39	1 38	15 4	3 37	24 32	1 16	4 17	1 15	14 27	1 56	24 4	0 21	15 27	1 20	28 46	5 0	1 48	1 25	19 26		n.a.
M13	22 40	2s48	0s11	24 56	1 42	14 51	3 45	24 29	1 16	4 21	1 15	14 26	1 56	24 3	0 21	15 27	1 20	28 46	5 0	1 48	1 24	19 24		n.a.
T 14	22 47	8 46	1 17	25 10	1 45	14 39	3 53	24 25	1 15	4 25	1 15	14 25	1 56	24 3	0 21	15 26	1 20	28 47	5 0	1 48	1 23	19 21		n.a.
W15	22 54	14 32	2 21	25 21	1 48	14 28	4 1	24 21	1 15	4 29	1 15	14 24	1 56	24 3	0 21	15 26	1 20	28 47	5 0	1 47	1 21	19 18		n.a.
T 16	23 0	19 50	3 19	25 29	1 50	14 18	4 8	24 17	1 15	4 33	1 16	14 23	1 56	24 3	0 21	15 26	1 20	28 47	5 0	1 45	1 20	19 16		n.a.
F 17	23 6	24 15	4 7	25 35	1 52	14 10	4 14	24 13	1 15	4 36	1 16	14 22	1 56	24 3	0 21	15 25	1 20	28 47	5 0	1 42	1 19	19 13		n.a.
S 18	23 12	27 22	4 42	25 38	1 52	14 2	4 20	24 8	1 15	4 40	1 16	14 21	1 55	24 3	0 21	15 25	1 20	28 47	5 0	1 38	1 17	19 10		n.a.
S 19	23 17	28 45	4 59	25 39	1 52	13 56	4 26	24 4	1 15	4 44	1 16	14 21	1 55	24 3	0 21	15 24	1 20	28 47	5 0	1 34	1 16	19 7		n.a.
M20	23 22	28 8	4 58	25 38	1 52	13 51	4 31	23 59	1 14	4 47	1 16	14 20	1 55	24 3	0 21	15 24	1 20	28 47	5 0	1 29	1 15	19 5		n.a.
T 21	23 26	25 33	4 36	25 34	1 51	13 47	4 35	23 54	1 14	4 51	1 16	14 19	1 55	24 3	0 21	15 23	1 20	28 47	5 1	1 26	1 14	19 2		n.a.
W22	23 30	21 18	3 57	25 28	1 49	13 43	4 39	23 49	1 14	4 54	1 16	14 18	1 55	24 3	0 21	15 23	1 20	28 48	5 1	1 23	1 12	18 59		n.a.
T 23	23 33	15 48	3 3	25 20	1 47	13 41	4 43	23 44	1 14	4 58	1 17	14 18	1 54	24 3	0 21	15 23	1 20	28 48	5 1	1 21	1 11	18 57		n.a.
F 24	23 37	9 31	1 57	25 11	1 44	13 40	4 46	23 38	1 14	5 1	1 17	14 17	1 54	24 3	0 21	15 22	1 20	28 48	5 1	1 20	1 10	18 54		n.a.
S 25	23 39	2 53	0 46	24 59	1 41	13 40	4 49	23 33	1 14	5 5	1 17	14 16	1 54	24 3	0 21	15 22	1 20	28 48	5 1	1 20	1 9	18 51		n.a.
S 26	23 42	3n47	0n27	24 46	1 37	13 41	4 51	23 27	1 13	5 8	1 17	14 16	1 54	24 3	0 21	15 21	1 20	28 48	5 1	1 20	1 7	18 48		n.a.
M27	23 44	10 9	1 37	24 31	1 32	13 42	4 53	23 21	1 13	5 11	1 17	14 15	1 54	24 3	0 21	15 21	1 20	28 48	5 1	1 20	1 6	18 46		n.a.
T 28	23 45	15 57	2 40	24 14	1 28	13 45	4 55	23 15	1 13	5 14	1 17	14 15	1 53	24 2	0 21	15 20	1 20	28 48	5 1	1 19	1 5	18 43		n.a.
W29	23 46	20 57	3 34	23 56	1 23	13 48	4 56	23 8	1 13	5 18	1 18	14 14	1 53	24 2	0 21	15 20	1 20	28 48	5 1	1 16	1 3	18 40		n.a.
T 30	23n47	24n52	4n16	23n37	1n17	13n52	4s57	23n 2	1n13	5n21	1s18	14s13	1n53	24s 2	0s21	15n19	1n20	28s48	5s 1	1n13	1n 2	18n37		n.a.

Julian Day Number = 1468090.5, Delta T = 05h33m25s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'09, Lahiri = -13°32'09 Julian Calendar 1 June 694 BCE == Greg. Calendar 25 May 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

JULY 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 4 34	0♋ 1'29	13♊58	21♋ 3	22♉50	23♋21	16♈32	13°R 9	25°R10	22♎57	0°R11	2°R50	2♈31	19♎20	n.a.	F 1
S 2	18 8 31	0°58'56	26°31	22°37	23°13	23°59	16°40	13♏ 7	25♐ 8	22°59	0♑10	2♈37	2°28	19°27	n.a.	S 2
S 3	18 12 28	1°56'24	8♋52	24° 9	23°37	24°37	16°48	13° 4	25° 6	23° 0	0° 8	2°24	2°25	19°33	n.a.	S 3
M 4	18 16 24	2°53'54	21° 3	25°40	24° 3	25°15	16°56	13° 2	25° 3	23° 2	0° 7	2°11	2°21	19°40	n.a.	M 4
T 5	18 20 21	3°51'24	3♌ 5	27° 9	24°31	25°53	17° 4	13° 0	25° 1	23° 4	0° 5	1°59	2°18	19°47	n.a.	T 5
W 6	18 24 17	4°48'56	14°59	28°36	25° 1	26°31	17°11	12°58	24°58	23° 5	0° 4	1°50	2°15	19°53	n.a.	W 6
T 7	18 28 14	5°46'29	26°48	0♌ 2	25°31	27° 9	17°19	12°57	24°56	23° 7	0° 3	1°43	2°12	20° 0	n.a.	T 7
F 8	18 32 10	6°44'02	8♍36	1°26	26° 3	27°47	17°26	12°55	24°54	23° 8	0° 1	1°40	2° 9	20° 7	n.a.	F 8
S 9	18 36 7	7°41'37	20°27	2°48	26°37	28°25	17°33	12°53	24°51	23°10	29♐59	1°38	2° 6	20°13	n.a.	S 9
S 10	18 40 3	8°39'13	2♎26	4° 8	27°12	29° 4	17°40	12°52	24°49	23°12	29°58	1°38	2° 2	20°20	n.a.	S 10
M11	18 44 0	9°36'50	14°38	5°26	27°48	29°42	17°47	12°50	24°47	23°14	29°57	1°38	1°59	20°27	n.a.	M11
T 12	18 47 57	10°34'28	27° 9	6°43	28°25	0♌20	17°53	12°49	24°44	23°15	29°56	1°37	1°56	20°33	n.a.	T 12
W13	18 51 53	11°32'07	10♏ 3	7°57	29° 3	0°58	18° 0	12°48	24°42	23°17	29°54	1°34	1°53	20°40	n.a.	W13
T 14	18 55 50	12°29'48	23°25	9°10	29°43	1°37	18° 6	12°46	24°40	23°19	29°53	1°29	1°50	20°47	n.a.	T 14
F 15	18 59 46	13°27'30	7♐16	10°20	0♊23	2°15	18°12	12°45	24°38	23°21	29°52	1°22	1°46	20°53	n.a.	F 15
S 16	19 3 43	14°25'13	21°35	11°28	1° 5	2°53	18°18	12°44	24°36	23°22	29°50	1°12	1°43	21° 0	n.a.	S 16
S 17	19 7 39	15°22'58	6♑17	12°34	1°48	3°32	18°24	12°43	24°33	23°24	29°49	1° 2	1°40	21° 7	n.a.	S 17
M18	19 11 36	16°20'44	21°15	13°38	2°31	4°10	18°30	12°43	24°31	23°26	29°48	0°51	1°37	21°14	n.a.	M18
T 19	19 15 32	17°18'32	6♒20	14°39	3°16	4°49	18°35	12°42	24°29	23°28	29°46	0°42	1°34	21°20	n.a.	T 19
W20	19 19 29	18°16'21	21°22	15°37	4° 1	5°27	18°40	12°41	24°27	23°30	29°45	0°35	1°31	21°27	n.a.	W20
T 21	19 23 26	19°14'13	6♓13	16°32	4°48	6° 6	18°46	12°41	24°25	23°32	29°44	0°31	1°27	21°34	n.a.	T 21
F 22	19 27 22	20°12'06	20°45	17°25	5°35	6°44	18°51	12°40	24°23	23°34	29°42	0°29	1°24	21°40	n.a.	F 22
S 23	19 31 19	21°10'01	4♈56	18°15	6°23	7°23	18°55	12°40	24°21	23°36	29°41	0°D28	1°21	21°47	n.a.	S 23
S 24	19 35 15	22° 7'58	18°45	19° 1	7°12	8° 1	19° 0	12°40	24°19	23°38	29°40	0°R29	1°18	21°54	n.a.	S 24
M25	19 39 12	23° 5'57	2♉14	19°44	8° 1	8°40	19° 5	12°40	24°16	23°40	29°39	0°28	1°15	22° 0	n.a.	M25
T 26	19 43 8	24° 3'58	15°23	20°23	8°52	9°19	19° 9	12°D39	24°15	23°42	29°37	0°26	1°12	22° 7	n.a.	T 26
W27	19 47 5	25° 2'01	28°16	20°58	9°43	9°57	19°13	12°40	24°13	23°44	29°36	0°22	1° 8	22°14	n.a.	W27
T 28	19 51 1	26° 0'07	10♊56	21°28	10°34	10°36	19°17	12°40	24°11	23°46	29°35	0°15	1° 5	22°20	n.a.	T 28
F 29	19 54 58	26°58'14	23°23	21°55	11°27	11°15	19°21	12°40	24° 9	23°48	29°34	0° 6	1° 2	22°27	n.a.	F 29
S 30	19 58 55	27°56'23	5♋41	22°17	12°20	11°54	19°24	12°40	24° 7	23°50	29°32	29♓55	0°59	22°34	n.a.	S 30
S 31	20 2 51	28♋54'35	17♋49	22♌33	13♊13	12♌33	19♈28	12♏41	24♐ 5	23♌52	29♐31	29♓44	0♈56	22♎40	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n47	27n30	4n44	23n17	1n11	13n57	4s58	22n55	1n12	5n24	1s18	14s13	1n53	24s 2	0s21	15n19	1n20	28s48	5s 2	1n 9	1n 1	18n35		n.a.
S 2	23 47	28 42	4 58	22 55	1 5	14 2	4 58	22 48	1 12	5 27	1 18	14 12	1 53	24 2	0 21	15 18	1 20	28 48	5 2	1 3	1 0	18 32		n.a.
S 3	23 46	28 26	4 58	22 32	0 58	14 8	4 58	22 41	1 12	5 30	1 18	14 12	1 52	24 2	0 21	15 18	1 20	28 49	5 2	0 58	0 58	18 29		n.a.
M 4	23 45	26 47	4 44	22 9	0 51	14 15	4 58	22 34	1 12	5 32	1 18	14 12	1 52	24 2	0 21	15 17	1 20	28 49	5 2	0 53	0 57	18 26		n.a.
T 5	23 43	23 55	4 17	21 44	0 44	14 22	4 57	22 27	1 12	5 35	1 19	14 11	1 52	24 2	0 21	15 16	1 20	28 49	5 2	0 48	0 56	18 23		n.a.
W 6	23 42	20 4	3 40	21 19	0 36	14 30	4 57	22 19	1 11	5 38	1 19	14 11	1 52	24 2	0 21	15 16	1 20	28 49	5 2	0 44	0 54	18 21		n.a.
T 7	23 39	15 28	2 53	20 53	0 28	14 38	4 56	22 11	1 11	5 41	1 19	14 10	1 52	24 2	0 21	15 15	1 20	28 49	5 2	0 42	0 53	18 18		n.a.
F 8	23 36	10 17	1 59	20 27	0 20	14 47	4 54	22 4	1 11	5 43	1 19	14 10	1 51	24 2	0 21	15 15	1 19	28 49	5 2	0 40	0 52	18 15		n.a.
S 9	23 33	4 44	0 59	20 0	0 11	14 56	4 53	21 56	1 11	5 46	1 19	14 10	1 51	24 2	0 21	15 14	1 19	28 49	5 2	0 40	0 51	18 12		n.a.
S 10	23 30	1s 3	0s 4	19 32	0 2	15 5	4 51	21 47	1 11	5 48	1 20	14 10	1 51	24 1	0 21	15 14	1 19	28 49	5 2	0 39	0 49	18 10		n.a.
M11	23 26	6 54	1 8	19 4	0s 7	15 15	4 49	21 39	1 10	5 51	1 20	14 9	1 51	24 1	0 21	15 13	1 19	28 49	5 2	0 39	0 48	18 7		n.a.
T 12	23 21	12 38	2 11	18 36	0 16	15 25	4 47	21 31	1 10	5 53	1 20	14 9	1 50	24 1	0 21	15 12	1 19	28 49	5 2	0 39	0 47	18 4		n.a.
W13	23 16	18 1	3 9	18 8	0 25	15 36	4 45	21 22	1 10	5 55	1 20	14 9	1 50	24 1	0 21	15 12	1 19	28 49	5 2	0 38	0 45	18 1		n.a.
T 14	23 11	22 44	3 58	17 40	0 35	15 46	4 43	21 13	1 10	5 58	1 20	14 9	1 50	24 1	0 21	15 11	1 19	28 49	5 2	0 36	0 44	17 58		n.a.
F 15	23 5	26 21	4 35	17 11	0 45	15 57	4 40	21 4	1 10	6 0	1 21	14 9	1 50	24 1	0 21	15 11	1 19	28 49	5 2	0 33	0 43	17 55		n.a.
S 16	22 59	28 27	4 57	16 43	0 55	16 9	4 38	20 55	1 9	6 2	1 21	14 9	1 50	24 1	0 21	15 10	1 19	28 49	5 2	0 29	0 42	17 53		n.a.
S 17	22 53	28 37	5 0	16 14	1 5	16 20	4 35	20 46	1 9	6 4	1 21	14 9	1 49	24 1	0 21	15 9	1 19	28 49	5 2	0 25	0 40	17 50		n.a.
M18	22 46	26 44	4 43	15 46	1 15	16 31	4 32	20 36	1 9	6 6	1 21	14 9	1 49	24 1	0 21	15 9	1 19	28 49	5 3	0 21	0 39	17 47		n.a.
T 19	22 39	22 55	4 6	15 19	1 25	16 43	4 28	20 27	1 9	6 8	1 21	14 9	1 49	24 1	0 21	15 8	1 19	28 49	5 3	0 17	0 38	17 44		n.a.
W20	22 31	17 36	3 12	14 51	1 36	16 55	4 25	20 17	1 8	6 10	1 21	14 9	1 49	24 1	0 21	15 7	1 19	28 49	5 3	0 14	0 37	17 41		n.a.
T 21	22 23	11 18	2 5	14 25	1 46	17 6	4 22	20 7	1 8	6 12	1 22	14 9	1 48	24 0	0 21	15 7	1 19	28 49	5 3	0 12	0 35	17 38		n.a.
F 22	22 14	4 30	0 51	13 59	1 57	17 18	4 18	19 57	1 8	6 13	1 22	14 9	1 48	24 0	0 21	15 6	1 19	28 50	5 3	0 12	0 34	17 36		n.a.
S 23	22 5	2n21	0n24	13 34	2 7	17 30	4 15	19 47	1 8	6 15	1 22	14 9	1 48	24 0	0 21	15 5	1 19	28 50	5 3	0 11	0 33	17 33		n.a.
S 24	21 56	8 55	1 36	13 9	2 18	17 42	4 11	19 36	1 7	6 17	1 22	14 9	1 48	24 0	0 21	15 5	1 19	28 50	5 3	0 12	0 31	17 30		n.a.
M25	21 46	14 55	2 40	12 46	2 28	17 54	4 7	19 26	1 7	6 18	1 23	14 9	1 47	24 0	0 21	15 4	1 19	28 50	5 3	0 11	0 30	17 27		n.a.
T 26	21 36	20 6	3 35	12 24	2 39	18 5	4 3	19 15	1 7	6 20	1 23	14 9	1 47	24 0	0 21	15 3	1 19	28 50	5 3	0 11	0 29	17 24		n.a.
W27	21 26	24 14	4 17	12 3	2 49	18 17	3 59	19 4	1 7	6 21	1 23	14 10	1 47	24 0	0 21	15 3	1 19	28 50	5 3	0 9	0 28	17 21		n.a.
T 28	21 15	27 7	4 46	11 43	2 59	18 29	3 55	18 53	1 6	6 22	1 23	14 10	1 47	24 0	0 21	15 2	1 19	28 50	5 3	0 6	0 26	17 18		n.a.
F 29	21 4	28 38	5 1	11 26	3 9	18 40	3 51	18 42	1 6	6 24	1 23	14 10	1 47	24 0	0 21	15 1	1 19	28 50	5 3	0 2	0 25	17 16		n.a.
S 30	20 52	28 41	5 2	11 10	3 18	18 51	3 46	18 31	1 6	6 25	1 24	14 11	1 46	24 0	0 21	15 1	1 19	28 50	5 3	0s 2	0 24	17 13		n.a.
S 31	20n40	27n20	4n48	10n56	3s27	19n 2	3s42	18n20	1n 6	6n26	1s24	14s11	1n46	24s 0	0s21	15n 0	1n19	28s50	5s 3	0s 7	0n22	17n10		n.a.

Julian Day Number = 1468120.5, Delta T = 05h33m24s
Ecliptic obliquity = 23°46'52, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'05, Lahiri = -13°32'04 Julian Calendar 1 July 694 BCE == Greg. Calendar 24 June 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

AUGUST 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 6 48	29♋52'48	29♋50	22♌44	14♊ 7	13♌11	19♈31	12♏41	24°R 3	23♌54	29°R30	29°R32	0♈52	22♌47	n.a.	M 1
T 2	20 10 44	0♌51'03	11♌45	22°R50	15° 2	13°50	19°34	12°42	24♐ 1	23°56	29♐29	29♓22	0°49	22°54	n.a.	T 2
W 3	20 14 41	1°49'20	23°35	22°50	15°57	14°29	19°37	12°43	24° 0	23°58	29°28	29°15	0°46	23° 0	n.a.	W 3
T 4	20 18 37	2°47'38	5♍23	22°43	16°53	15° 8	19°40	12°43	23°58	24° 0	29°27	29° 9	0°43	23° 7	n.a.	T 4
F 5	20 22 34	3°45'59	17°10	22°31	17°49	15°47	19°42	12°44	23°56	24° 2	29°26	29° 6	0°40	23°14	n.a.	F 5
S 6	20 26 30	4°44'21	29° 2	22°11	18°46	16°26	19°44	12°45	23°55	24° 4	29°25	29°D 5	0°37	23°20	n.a.	S 6
S 7	20 30 27	5°42'45	11♎ 0	21°46	19°43	17° 6	19°46	12°46	23°53	24° 6	29°23	29° 6	0°33	23°27	n.a.	S 7
M 8	20 34 24	6°41'10	23°11	21°13	20°41	17°45	19°48	12°48	23°51	24° 9	29°22	29° 7	0°30	23°34	n.a.	M 8
T 9	20 38 20	7°39'38	5♏40	20°34	21°39	18°24	19°50	12°49	23°50	24°11	29°21	29°R 8	0°27	23°40	n.a.	T 9
W10	20 42 17	8°38'07	18°30	19°50	22°38	19° 3	19°51	12°50	23°48	24°13	29°20	29° 7	0°24	23°47	n.a.	W10
T 11	20 46 13	9°36'38	1♐47	18°59	23°37	19°42	19°53	12°52	23°47	24°15	29°19	29° 5	0°21	23°54	n.a.	T 11
F 12	20 50 10	10°35'11	15°33	18° 4	24°37	20°22	19°54	12°54	23°46	24°17	29°18	29° 1	0°18	24° 0	n.a.	F 12
S 13	20 54 6	11°33'45	29°48	17° 5	25°37	21° 1	19°55	12°55	23°44	24°19	29°17	28°55	0°14	24° 7	n.a.	S 13
S 14	20 58 3	12°32'22	14♑30	16° 3	26°37	21°40	19°55	12°57	23°43	24°22	29°17	28°48	0°11	24°14	n.a.	S 14
M15	21 1 59	13°31'00	29°33	14°59	27°38	22°20	19°56	12°59	23°42	24°24	29°16	28°41	0° 8	24°20	n.a.	M15
T 16	21 5 56	14°29'41	14♒47	13°56	28°39	22°59	19°56	13° 1	23°40	24°26	29°15	28°35	0° 5	24°27	n.a.	T 16
W17	21 9 53	15°28'23	0♓ 2	12°54	29°40	23°39	19°R56	13° 3	23°39	24°28	29°14	28°30	0° 2	24°34	n.a.	W17
T 18	21 13 49	16°27'07	15° 8	11°55	0♋42	24°18	19°56	13° 5	23°38	24°30	29°13	28°28	29♓58	24°40	n.a.	T 18
F 19	21 17 46	17°25'54	29°57	11° 0	1°44	24°58	19°56	13° 7	23°37	24°33	29°12	28°D27	29°55	24°47	n.a.	F 19
S 20	21 21 42	18°24'43	14♈23	10°12	2°46	25°37	19°55	13°10	23°36	24°35	29°11	28°28	29°52	24°54	n.a.	S 20
S 21	21 25 39	19°23'35	28°22	9°31	3°49	26°17	19°55	13°12	23°35	24°37	29°11	28°29	29°49	25° 0	n.a.	S 21
M22	21 29 35	20°22'29	11♉56	8°58	4°52	26°56	19°54	13°15	23°34	24°39	29°10	28°31	29°46	25° 7	n.a.	M22
T 23	21 33 32	21°21'25	25° 7	8°34	5°56	27°36	19°53	13°17	23°33	24°42	29° 9	28°R31	29°43	25°14	n.a.	T 23
W24	21 37 28	22°20'24	7♊56	8°20	7° 0	28°16	19°51	13°20	23°32	24°44	29° 8	28°30	29°39	25°20	n.a.	W24
T 25	21 41 25	23°19'25	20°28	8°D16	8° 4	28°56	19°50	13°23	23°31	24°46	29° 8	28°27	29°36	25°27	n.a.	T 25
F 26	21 45 21	24°18'29	2♋46	8°22	9° 8	29°35	19°48	13°26	23°30	24°48	29° 7	28°22	29°33	25°34	n.a.	F 26
S 27	21 49 18	25°17'35	14°53	8°39	10°13	0♍15	19°46	13°29	23°30	24°51	29° 6	28°17	29°30	25°41	n.a.	S 27
S 28	21 53 15	26°16'44	26°52	9° 5	11°18	0°55	19°44	13°32	23°29	24°53	29° 6	28°11	29°27	25°47	n.a.	S 28
M29	21 57 11	27°15'55	8♌46	9°41	12°23	1°35	19°42	13°35	23°28	24°55	29° 5	28° 5	29°23	25°54	n.a.	M29
T 30	22 1 8	28°15'07	20°36	10°26	13°28	2°15	19°39	13°38	23°28	24°57	29° 5	28° 0	29°20	26° 1	n.a.	T 30
W31	22 5 4	29♌14'23	2♍24	11♌19	14♋34	2♍55	19♈37	13♏41	23♐27	24♌59	29♐ 4	27♓56	29♓17	26♌ 7	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n28	24n45	4n23	10n44	3s36	19n13	3s38	18n 8	1n 5	6n27	1s24	14s11	1n46	23s59	0s21	14n59	1n19	28s50	5s 3	0s11	0n21	17n 7		n.a.
T 2	20 15	21 6	3 45	10 35	3 44	19 24	3 33	17 57	1 5	6 28	1 24	14 12	1 46	23 59	0 21	14 59	1 19	28 50	5 3	0 15	0 20	17 4		n.a.
W 3	20 2	16 39	2 58	10 28	3 51	19 34	3 29	17 45	1 5	6 29	1 24	14 12	1 45	23 59	0 21	14 58	1 19	28 50	5 3	0 18	0 19	17 1		n.a.
T 4	19 49	11 35	2 4	10 24	3 57	19 44	3 24	17 33	1 4	6 30	1 25	14 13	1 45	23 59	0 21	14 57	1 19	28 50	5 3	0 20	0 17	16 58		n.a.
F 5	19 35	6 7	1 4	10 23	4 3	19 54	3 20	17 21	1 4	6 30	1 25	14 13	1 45	23 59	0 21	14 56	1 19	28 50	5 3	0 22	0 16	16 55		n.a.
S 6	19 21	0 24	0 0	10 25	4 7	20 4	3 15	17 9	1 4	6 31	1 25	14 14	1 45	23 59	0 21	14 56	1 19	28 50	5 3	0 22	0 15	16 52		n.a.
S 7	19 7	5s23	1s 4	10 30	4 10	20 13	3 10	16 57	1 4	6 32	1 25	14 14	1 44	23 59	0 21	14 55	1 19	28 50	5 3	0 22	0 13	16 49		n.a.
M 8	18 52	11 5	2 6	10 39	4 12	20 22	3 5	16 44	1 3	6 32	1 25	14 15	1 44	23 59	0 21	14 54	1 19	28 50	5 3	0 21	0 12	16 46		n.a.
T 9	18 37	16 29	3 4	10 51	4 12	20 31	3 1	16 32	1 3	6 33	1 26	14 15	1 44	23 59	0 21	14 53	1 19	28 50	5 3	0 21	0 11	16 44		n.a.
W10	18 22	21 20	3 54	11 7	4 11	20 39	2 56	16 19	1 3	6 33	1 26	14 16	1 44	23 59	0 21	14 53	1 19	28 50	5 3	0 21	0 10	16 41		n.a.
T 11	18 6	25 17	4 34	11 25	4 8	20 47	2 51	16 6	1 2	6 33	1 26	14 17	1 44	23 59	0 21	14 52	1 19	28 50	5 3	0 22	0 8	16 38		n.a.
F 12	17 50	27 57	5 0	11 47	4 2	20 54	2 46	15 53	1 2	6 34	1 26	14 17	1 43	23 59	0 21	14 51	1 19	28 50	5 3	0 24	0 7	16 35		n.a.
S 13	17 34	28 55	5 8	12 12	3 55	21 2	2 41	15 40	1 2	6 34	1 26	14 18	1 43	23 59	0 21	14 51	1 19	28 49	5 3	0 26	0 6	16 32		n.a.
S 14	17 17	27 54	4 57	12 40	3 46	21 8	2 36	15 27	1 2	6 34	1 27	14 19	1 43	23 58	0 21	14 50	1 19	28 49	5 3	0 29	0 4	16 29		n.a.
M15	17 0	24 51	4 25	13 9	3 35	21 15	2 31	15 14	1 1	6 34	1 27	14 20	1 43	23 58	0 21	14 49	1 19	28 49	5 3	0 32	0 3	16 26		n.a.
T 16	16 43	20 2	3 34	13 40	3 22	21 20	2 26	15 0	1 1	6 34	1 27	14 21	1 42	23 58	0 21	14 48	1 19	28 49	5 3	0 34	0 2	16 23		n.a.
W17	16 26	13 55	2 28	14 12	3 7	21 26	2 21	14 47	1 1	6 34	1 27	14 21	1 42	23 58	0 21	14 48	1 19	28 49	5 3	0 36	0 1	16 20		n.a.
T 18	16 8	7 2	1 12	14 44	2 50	21 31	2 16	14 33	1 0	6 33	1 27	14 22	1 42	23 58	0 21	14 47	1 19	28 49	5 3	0 37	0s 1	16 17		n.a.
F 19	15 50	0n 6	0n 8	15 16	2 33	21 35	2 11	14 20	1 0	6 33	1 28	14 23	1 42	23 58	0 21	14 46	1 19	28 49	5 3	0 37	0 2	16 14		n.a.
S 20	15 32	7 3	1 26	15 47	2 14	21 39	2 6	14 6	1 0	6 33	1 28	14 24	1 41	23 58	0 21	14 45	1 19	28 49	5 3	0 37	0 3	16 11		n.a.
S 21	15 13	13 28	2 35	16 17	1 55	21 43	2 1	13 52	0 59	6 32	1 28	14 25	1 41	23 58	0 21	14 45	1 19	28 49	5 3	0 37	0 4	16 8		n.a.
M22	14 54	19 2	3 35	16 45	1 35	21 46	1 56	13 38	0 59	6 32	1 28	14 26	1 41	23 58	0 21	14 44	1 19	28 49	5 3	0 36	0 6	16 5		n.a.
T 23	14 35	23 31	4 20	17 10	1 16	21 48	1 51	13 24	0 59	6 31	1 28	14 27	1 41	23 58	0 21	14 43	1 19	28 49	5 2	0 36	0 7	16 2		n.a.
W24	14 16	26 44	4 52	17 32	0 56	21 50	1 46	13 9	0 58	6 30	1 29	14 28	1 41	23 58	0 21	14 42	1 19	28 49	5 2	0 36	0 8	15 59		n.a.
T 25	13 56	28 34	5 8	17 51	0 37	21 51	1 41	12 55	0 58	6 30	1 29	14 29	1 40	23 58	0 21	14 42	1 19	28 49	5 2	0 38	0 10	15 56		n.a.
F 26	13 36	28 56	5 11	18 7	0 19	21 52	1 36	12 40	0 58	6 29	1 29	14 30	1 40	23 58	0 21	14 41	1 19	28 49	5 2	0 39	0 11	15 53		n.a.
S 27	13 16	27 53	4 59	18 20	0 2	21 52	1 31	12 26	0 57	6 28	1 29	14 31	1 40	23 58	0 21	14 40	1 19	28 49	5 2	0 42	0 12	15 50		n.a.
S 28	12 56	25 33	4 34	18 28	0n14	21 52	1 26	12 11	0 57	6 27	1 29	14 32	1 40	23 58	0 21	14 39	1 19	28 49	5 2	0 44	0 13	15 47		n.a.
M29	12 36	22 8	3 57	18 33	0 29	21 51	1 21	11 57	0 57	6 26	1 30	14 34	1 39	23 58	0 21	14 39	1 19	28 49	5 2	0 46	0 15	15 44		n.a.
T 30	12 15	17 50	3 10	18 34	0 43	21 50	1 16	11 42	0 56	6 25	1 30	14 35	1 39	23 58	0 21	14 38	1 19	28 49	5 2	0 48	0 16	15 41		n.a.
W31	11n54	12n52	2n15	18n32	0n56	21n48	1s11	11n27	0n56	6n24	1s30	14s36	1n39	23s58	0s21	14n37	1n19	28s49	5s 2	0s50	0s17	15n38		n.a.

Julian Day Number = 1468151.5, Delta T = 05h33m22s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°39'01, Lahiri = -13°32'00 Julian Calendar 1 Aug. 694 BCE == Greg. Calendar 25 July 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

SEPTEMBER 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 9 1	0♍13'40	14♍13	12♌19	15♋40	3♍35	19°R34	13♏45	23°R27	25♌ 2	29°R 3	27°R54	29♓14	26♌14	n.a.	T 1
F 2	22 12 57	1°12'59	26° 5	13°27	16°46	4°15	19♈31	13°48	23♐26	25° 4	29♐ 3	27°D53	29°11	26°21	n.a.	F 2
S 3	22 16 54	2°12'20	8♎ 1	14°40	17°52	4°55	19°27	13°52	23°26	25° 6	29° 2	27♓54	29° 8	26°27	n.a.	S 3
S 4	22 20 50	3°11'44	20° 5	15°59	18°59	5°36	19°24	13°55	23°25	25° 8	29° 2	27°55	29° 4	26°34	n.a.	S 4
M 5	22 24 47	4°11'09	2♏21	17°23	20° 6	6°16	19°20	13°59	23°25	25°11	29° 2	27°57	29° 1	26°41	n.a.	M 5
T 6	22 28 44	5°10'37	14°51	18°50	21°13	6°56	19°16	14° 3	23°25	25°13	29° 1	27°58	28°58	26°47	n.a.	T 6
W 7	22 32 40	6°10'06	27°40	20°21	22°20	7°36	19°12	14° 7	23°25	25°15	29° 1	27°59	28°55	26°54	n.a.	W 7
T 8	22 36 37	7° 9'37	10♐52	21°55	23°28	8°17	19° 8	14°11	23°24	25°17	29° 0	27°R59	28°52	27° 1	n.a.	T 8
F 9	22 40 33	8° 9'11	24°28	23°31	24°36	8°57	19° 4	14°15	23°24	25°19	29° 0	27°59	28°49	27° 7	n.a.	F 9
S 10	22 44 30	9° 8'46	8♑31	25° 9	25°43	9°37	18°59	14°19	23°24	25°22	29° 0	27°57	28°45	27°14	n.a.	S 10
S 11	22 48 26	10° 8'23	22°59	26°49	26°51	10°18	18°54	14°23	23°D24	25°24	29° 0	27°55	28°42	27°21	n.a.	S 11
M12	22 52 23	11° 8'01	7♒50	28°30	28° 0	10°58	18°49	14°28	23°24	25°26	28°59	27°53	28°39	27°27	n.a.	M12
T 13	22 56 19	12° 7'42	22°55	0♍11	29° 8	11°39	18°44	14°32	23°24	25°28	28°59	27°51	28°36	27°34	n.a.	T 13
W14	23 0 16	13° 7'25	8♓ 7	1°54	0♌17	12°20	18°39	14°36	23°25	25°30	28°59	27°49	28°33	27°41	n.a.	W14
T 15	23 4 12	14° 7'09	23°17	3°36	1°26	13° 0	18°34	14°41	23°25	25°32	28°59	27°D49	28°29	27°47	n.a.	T 15
F 16	23 8 9	15° 6'56	8♈13	5°19	2°35	13°41	18°28	14°45	23°25	25°35	28°59	27°49	28°26	27°54	n.a.	F 16
S 17	23 12 6	16° 6'45	22°50	7° 2	3°44	14°21	18°22	14°50	23°25	25°37	28°59	27°49	28°23	28° 1	n.a.	S 17
S 18	23 16 2	17° 6'36	7♉ 2	8°45	4°53	15° 2	18°16	14°55	23°26	25°39	28°59	27°50	28°20	28° 7	n.a.	S 18
M19	23 19 59	18° 6'30	20°46	10°27	6° 3	15°43	18°10	14°59	23°26	25°41	28°59	27°51	28°17	28°14	n.a.	M19
T 20	23 23 55	19° 6'26	4♊ 4	12°10	7°13	16°24	18° 4	15° 4	23°27	25°43	28°D59	27°52	28°14	28°21	n.a.	T 20
W21	23 27 52	20° 6'25	16°58	13°52	8°22	17° 5	17°58	15° 9	23°27	25°45	28°59	27°R52	28°10	28°27	n.a.	W21
T 22	23 31 48	21° 6'25	29°30	15°34	9°32	17°46	17°51	15°14	23°28	25°47	28°59	27°52	28° 7	28°34	n.a.	T 22
F 23	23 35 45	22° 6'28	11♋45	17°15	10°43	18°27	17°45	15°19	23°28	25°49	28°59	27°52	28° 4	28°41	n.a.	F 23
S 24	23 39 41	23° 6'34	23°48	18°56	11°53	19° 8	17°38	15°24	23°29	25°51	28°59	27°51	28° 1	28°47	n.a.	S 24
S 25	23 43 38	24° 6'41	5♌42	20°37	13° 3	19°49	17°31	15°30	23°30	25°53	28°59	27°51	27°58	28°54	n.a.	S 25
M26	23 47 35	25° 6'51	17°32	22°17	14°14	20°30	17°24	15°35	23°30	25°55	28°59	27°50	27°55	29° 1	n.a.	M26
T 27	23 51 31	26° 7'03	29°20	23°56	15°25	21°11	17°17	15°40	23°31	25°57	28°59	27°50	27°51	29° 7	n.a.	T 27
W28	23 55 28	27° 7'16	11♍ 9	25°36	16°36	21°52	17°10	15°46	23°32	25°59	29° 0	27°50	27°48	29°14	n.a.	W28
T 29	23 59 24	28° 7'32	23° 3	27°14	17°47	22°33	17° 2	15°51	23°33	26° 1	29° 0	27°50	27°45	29°20	n.a.	T 29
F 30	0 3 21	29♍ 7'50	5♎ 3	28♍52	18♌58	23♍14	16♈55	15♏56	23♐34	26♌ 3	29♐ 0	27♓50	27♓42	29♌27	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n33	7n26	1n14	18n25	1n 7	21n45	1s 6	11n12	0n56	6n22	1s30	14s37	1n39	23s58	0s21	14n36	1n19	28s49	5s 2	0s51	0s19	15n35		n.a.
F 2	11 12	1 44	0 10	18 16	1 17	21 42	1 2	10 57	0 55	6 21	1 30	14 38	1 39	23 58	0 21	14 36	1 19	28 49	5 2	0 51	0 20	15 32		n.a.
S 3	10 50	4s 4	0s55	18 2	1 26	21 38	0 57	10 41	0 55	6 20	1 30	14 40	1 38	23 57	0 21	14 35	1 19	28 49	5 2	0 51	0 21	15 29		n.a.
S 4	10 29	9 48	1 59	17 46	1 34	21 33	0 52	10 26	0 54	6 18	1 31	14 41	1 38	23 57	0 21	14 34	1 19	28 49	5 2	0 50	0 22	15 26		n.a.
M 5	10 7	15 15	2 59	17 26	1 40	21 28	0 47	10 11	0 54	6 17	1 31	14 42	1 38	23 57	0 21	14 33	1 19	28 49	5 2	0 50	0 24	15 23		n.a.
T 6	9 45	20 11	3 51	17 4	1 45	21 23	0 43	9 55	0 54	6 15	1 31	14 44	1 38	23 57	0 21	14 33	1 19	28 48	5 2	0 49	0 25	15 20		n.a.
W 7	9 23	24 21	4 33	16 38	1 50	21 17	0 38	9 40	0 53	6 13	1 31	14 45	1 38	23 57	0 21	14 32	1 19	28 48	5 2	0 49	0 26	15 17		n.a.
T 8	9 0	27 22	5 2	16 11	1 53	21 10	0 33	9 24	0 53	6 11	1 31	14 46	1 37	23 57	0 21	14 31	1 19	28 48	5 2	0 49	0 28	15 14		n.a.
F 9	8 38	28 55	5 15	15 41	1 55	21 2	0 29	9 8	0 53	6 10	1 31	14 48	1 37	23 57	0 21	14 30	1 19	28 48	5 2	0 49	0 29	15 11		n.a.
S 10	8 15	28 40	5 10	15 9	1 57	20 54	0 24	8 52	0 52	6 8	1 31	14 49	1 37	23 57	0 21	14 30	1 19	28 48	5 2	0 50	0 30	15 8		n.a.
S 11	7 52	26 29	4 46	14 35	1 57	20 46	0 20	8 37	0 52	6 6	1 32	14 51	1 37	23 57	0 20	14 29	1 19	28 48	5 2	0 50	0 31	15 5		n.a.
M12	7 30	22 28	4 3	13 59	1 57	20 36	0 15	8 21	0 51	6 4	1 32	14 52	1 37	23 57	0 20	14 28	1 19	28 48	5 1	0 51	0 33	15 2		n.a.
T 13	7 7	16 55	3 1	13 22	1 56	20 27	0 11	8 5	0 51	6 2	1 32	14 54	1 36	23 57	0 20	14 27	1 19	28 48	5 1	0 52	0 34	14 59		n.a.
W14	6 43	10 17	1 47	12 44	1 55	20 16	0 7	7 49	0 51	6 0	1 32	14 55	1 36	23 57	0 20	14 27	1 19	28 48	5 1	0 53	0 35	14 56		n.a.
T 15	6 20	3 5	0 25	12 4	1 53	20 5	0 3	7 32	0 50	5 57	1 32	14 57	1 36	23 57	0 20	14 26	1 19	28 48	5 1	0 53	0 36	14 53		n.a.
F 16	5 57	4n11	0n57	11 24	1 50	19 53	0n 2	7 16	0 50	5 55	1 32	14 58	1 36	23 57	0 20	14 25	1 19	28 48	5 1	0 53	0 38	14 50		n.a.
S 17	5 33	11 5	2 14	10 42	1 47	19 41	0 6	7 0	0 49	5 53	1 32	15 0	1 36	23 57	0 20	14 25	1 20	28 48	5 1	0 53	0 39	14 47		n.a.
S 18	5 10	17 12	3 21	10 0	1 44	19 28	0 10	6 44	0 49	5 51	1 32	15 1	1 35	23 57	0 20	14 24	1 20	28 48	5 1	0 52	0 40	14 43		n.a.
M19	4 46	22 16	4 13	9 17	1 40	19 15	0 14	6 27	0 49	5 48	1 33	15 3	1 35	23 57	0 20	14 23	1 20	28 48	5 1	0 52	0 42	14 40		n.a.
T 20	4 22	26 1	4 51	8 34	1 36	19 1	0 18	6 11	0 48	5 46	1 33	15 4	1 35	23 57	0 20	14 22	1 20	28 48	5 1	0 52	0 43	14 37		n.a.
W21	3 58	28 18	5 12	7 50	1 31	18 47	0 22	5 54	0 48	5 43	1 33	15 6	1 35	23 57	0 20	14 22	1 20	28 48	5 1	0 51	0 44	14 34		n.a.
T 22	3 34	29 4	5 17	7 6	1 26	18 31	0 25	5 38	0 47	5 41	1 33	15 8	1 35	23 57	0 20	14 21	1 20	28 47	5 1	0 52	0 45	14 31		n.a.
F 23	3 10	28 22	5 8	6 21	1 21	18 16	0 29	5 21	0 47	5 38	1 33	15 9	1 35	23 57	0 20	14 20	1 20	28 47	5 1	0 52	0 47	14 28		n.a.
S 24	2 46	26 20	4 46	5 36	1 16	18 0	0 33	5 4	0 46	5 35	1 33	15 11	1 34	23 57	0 20	14 20	1 20	28 47	5 1	0 52	0 48	14 25		n.a.
S 25	2 22	23 10	4 11	4 51	1 10	17 43	0 36	4 48	0 46	5 33	1 33	15 13	1 34	23 57	0 20	14 19	1 20	28 47	5 1	0 52	0 49	14 22		n.a.
M26	1 58	19 3	3 26	4 6	1 5	17 26	0 40	4 31	0 46	5 30	1 33	15 14	1 34	23 57	0 20	14 18	1 20	28 47	5 1	0 52	0 51	14 19		n.a.
T 27	1 34	14 14	2 32	3 20	0 59	17 8	0 43	4 14	0 45	5 27	1 33	15 16	1 34	23 58	0 20	14 18	1 20	28 47	5 1	0 52	0 52	14 16		n.a.
W28	1 10	8 53	1 31	2 35	0 53	16 50	0 47	3 57	0 45	5 24	1 33	15 18	1 34	23 58	0 20	14 17	1 20	28 47	5 0	0 52	0 53	14 13		n.a.
T 29	0 45	3 12	0 27	1 50	0 47	16 31	0 50	3 40	0 44	5 21	1 33	15 20	1 34	23 58	0 20	14 16	1 20	28 47	5 0	0 52	0 54	14 10		n.a.
F 30	0n21	2s38	0s40	1n 4	0n40	16n11	0n53	3n23	0n44	5n18	1s33	15s21	1n33	23s58	0s20	14n16	1n20	28s47	5s 0	0s52	0s56	14n 6		n.a.

Julian Day Number = 1468182.5, Delta T = 05h33m20s
Ecliptic obliquity = 23°46'53, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'56, Lahiri = -13°31'56 Julian Calendar 1 Sept. 694 BCE == Greg. Calendar 25 Aug. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

OCTOBER 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 7 17	0♎ 8'09	17♎10	0♎30	20♌ 9	23♍56	16°R47	16♏ 2	23♐35	26♌ 5	29♐ 0	27°R50	27♓39	29♌34	n.a.	S 1
S 2	0 11 14	1° 8'31	29°27	2° 7	21°21	24°37	16♈40	16° 8	23°36	26° 7	29° 1	27♓49	27°35	29°40	n.a.	S 2
M 3	0 15 10	2° 8'54	11♏55	3°44	22°32	25°19	16°32	16°13	23°37	26° 9	29° 1	27°49	27°32	29°47	n.a.	M 3
T 4	0 19 7	3° 9'19	24°37	5°21	23°44	26° 0	16°24	16°19	23°38	26°11	29° 1	27°48	27°29	29°54	n.a.	T 4
W 5	0 23 4	4° 9'45	7♐33	6°57	24°55	26°41	16°17	16°25	23°40	26°13	29° 2	27°48	27°26	0♍ 0	n.a.	W 5
T 6	0 27 0	5°10'13	20°47	8°33	26° 7	27°23	16° 9	16°31	23°41	26°15	29° 2	27°47	27°23	0° 7	n.a.	T 6
F 7	0 30 57	6°10'43	4♑19	10° 8	27°19	28° 5	16° 1	16°36	23°42	26°16	29° 3	27°D47	27°20	0°14	n.a.	F 7
S 8	0 34 53	7°11'14	18°10	11°43	28°31	28°46	15°53	16°42	23°44	26°18	29° 3	27°47	27°16	0°20	n.a.	S 8
S 9	0 38 50	8°11'46	2♒21	13°18	29°43	29°28	15°45	16°48	23°45	26°20	29° 4	27°48	27°13	0°27	n.a.	S 9
M10	0 42 46	9°12'20	16°49	14°52	0♍56	0♎ 9	15°37	16°54	23°46	26°22	29° 4	27°48	27°10	0°34	n.a.	M10
T 11	0 46 43	10°12'55	1♓33	16°26	2° 8	0°51	15°29	17° 0	23°48	26°23	29° 5	27°49	27° 7	0°40	n.a.	T 11
W12	0 50 39	11°13'31	16°25	18° 0	3°20	1°33	15°20	17° 7	23°49	26°25	29° 6	27°50	27° 4	0°47	n.a.	W12
T 13	0 54 36	12°14'09	1♈19	19°33	4°33	2°15	15°12	17°13	23°51	26°27	29° 6	27°R50	27° 0	0°54	n.a.	T 13
F 14	0 58 32	13°14'48	16° 7	21° 6	5°46	2°57	15° 4	17°19	23°53	26°29	29° 7	27°50	26°57	1° 0	n.a.	F 14
S 15	1 2 29	14°15'29	0♉42	22°39	6°58	3°38	14°56	17°25	23°54	26°30	29° 8	27°48	26°54	1° 7	n.a.	S 15
S 16	1 6 26	15°16'12	14°57	24°12	8°11	4°20	14°48	17°31	23°56	26°32	29° 8	27°46	26°51	1°14	n.a.	S 16
M17	1 10 22	16°16'56	28°49	25°44	9°24	5° 2	14°40	17°38	23°58	26°33	29° 9	27°43	26°48	1°20	n.a.	M17
T 18	1 14 19	17°17'42	12♊14	27°17	10°37	5°44	14°31	17°44	24° 0	26°35	29°10	27°41	26°45	1°27	n.a.	T 18
W19	1 18 15	18°18'30	25°14	28°49	11°50	6°26	14°23	17°50	24° 2	26°37	29°11	27°39	26°41	1°34	n.a.	W19
T 20	1 22 12	19°19'19	7♋51	0♏21	13° 3	7° 9	14°15	17°57	24° 4	26°38	29°12	27°37	26°38	1°40	n.a.	T 20
F 21	1 26 8	20°20'10	20° 9	1°52	14°17	7°51	14° 7	18° 3	24° 6	26°40	29°12	27°D36	26°35	1°47	n.a.	F 21
S 22	1 30 5	21°21'03	2♌12	3°24	15°30	8°33	13°59	18°10	24° 8	26°41	29°13	27°37	26°32	1°54	n.a.	S 22
S 23	1 34 2	22°21'57	14° 5	4°55	16°43	9°15	13°51	18°16	24°10	26°43	29°14	27°38	26°29	2° 0	n.a.	S 23
M24	1 37 58	23°22'53	25°53	6°26	17°57	9°58	13°43	18°23	24°12	26°44	29°15	27°40	26°26	2° 7	n.a.	M24
T 25	1 41 55	24°23'50	7♍42	7°57	19°10	10°40	13°35	18°30	24°14	26°45	29°16	27°42	26°22	2°14	n.a.	T 25
W26	1 45 51	25°24'49	19°33	9°27	20°24	11°22	13°27	18°36	24°16	26°47	29°17	27°43	26°19	2°20	n.a.	W26
T 27	1 49 48	26°25'48	1♎33	10°57	21°37	12° 5	13°19	18°43	24°18	26°48	29°18	27°R43	26°16	2°27	n.a.	T 27
F 28	1 53 44	27°26'49	13°43	12°27	22°51	12°47	13°12	18°50	24°21	26°49	29°19	27°42	26°13	2°34	n.a.	F 28
S 29	1 57 41	28°27'52	26° 5	13°56	24° 5	13°30	13° 4	18°56	24°23	26°51	29°20	27°39	26°10	2°40	n.a.	S 29
S 30	2 1 37	29°28'55	8♏40	15°25	25°19	14°12	12°56	19° 3	24°25	26°52	29°21	27°35	26° 6	2°47	n.a.	S 30
M31	2 5 34	0♏30'00	21♏28	16♏54	26♍33	14♎55	12♈49	19♏10	24♐28	26♌53	29♐22	27♓30	26♓ 3	2♍54	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s 3	8s27	1s45	0n19	0n34	15n52	0n56	3n 6	0n43	5n16	1s33	15s23	1n33	23s58	0s20	14n15	1n20	28s47	5s 0	0s53	0s57	14n 3		n.a.
S 2	0 28	14 2	2 47	0s26	0 28	15 31	0 59	2 49	0 43	5 13	1 33	15 25	1 33	23 58	0 20	14 15	1 20	28 47	5 0	0 53	0 58	14 0		n.a.
M 3	0 52	19 8	3 41	1 11	0 21	15 11	1 2	2 32	0 42	5 10	1 33	15 27	1 33	23 58	0 20	14 14	1 20	28 47	5 0	0 53	1 0	13 57		n.a.
T 4	1 16	23 29	4 26	1 56	0 15	14 49	1 5	2 15	0 42	5 7	1 33	15 29	1 33	23 58	0 20	14 13	1 20	28 47	5 0	0 53	1 1	13 54		n.a.
W 5	1 41	26 46	4 58	2 40	0 8	14 28	1 8	1 58	0 42	5 4	1 33	15 30	1 33	23 58	0 20	14 13	1 20	28 47	5 0	0 53	1 2	13 51		n.a.
T 6	2 5	28 41	5 15	3 25	0 2	14 6	1 11	1 41	0 41	5 1	1 33	15 32	1 32	23 58	0 20	14 12	1 20	28 47	5 0	0 54	1 3	13 48		n.a.
F 7	2 29	28 58	5 15	4 9	0s 5	13 43	1 13	1 24	0 41	4 57	1 33	15 34	1 32	23 58	0 20	14 11	1 20	28 47	5 0	0 54	1 5	13 45		n.a.
S 8	2 54	27 26	4 58	4 52	0 12	13 20	1 16	1 7	0 40	4 54	1 33	15 36	1 32	23 58	0 20	14 11	1 20	28 47	5 0	0 54	1 6	13 41		n.a.
S 9	3 18	24 9	4 22	5 36	0 18	12 57	1 18	0 49	0 40	4 51	1 33	15 38	1 32	23 58	0 20	14 10	1 20	28 46	5 0	0 53	1 7	13 38		n.a.
M10	3 42	19 19	3 28	6 19	0 25	12 33	1 20	0 32	0 39	4 48	1 33	15 40	1 32	23 58	0 20	14 10	1 20	28 46	5 0	0 53	1 9	13 35		n.a.
T 11	4 6	13 16	2 21	7 2	0 31	12 9	1 23	0 15	0 39	4 45	1 33	15 41	1 32	23 58	0 20	14 9	1 20	28 46	5 0	0 53	1 10	13 32		n.a.
W12	4 30	6 24	1 3	7 44	0 37	11 44	1 25	0s 3	0 38	4 42	1 33	15 43	1 32	23 58	0 20	14 9	1 20	28 46	5 0	0 52	1 11	13 29		n.a.
T 13	4 54	0n49	0n19	8 26	0 44	11 20	1 27	0 20	0 38	4 39	1 33	15 45	1 31	23 58	0 20	14 8	1 20	28 46	5 0	0 52	1 12	13 26		n.a.
F 14	5 18	7 57	1 40	9 7	0 50	10 54	1 29	0 37	0 37	4 36	1 33	15 47	1 31	23 58	0 20	14 8	1 20	28 46	4 59	0 53	1 14	13 23		n.a.
S 15	5 42	14 34	2 52	9 48	0 56	10 29	1 31	0 54	0 37	4 33	1 33	15 49	1 31	23 58	0 20	14 7	1 20	28 46	4 59	0 53	1 15	13 19		n.a.
S 16	6 6	20 15	3 52	10 29	1 2	10 3	1 33	1 12	0 36	4 29	1 33	15 51	1 31	23 59	0 20	14 6	1 20	28 46	4 59	0 54	1 16	13 16		n.a.
M17	6 29	24 40	4 36	11 9	1 8	9 37	1 34	1 29	0 36	4 26	1 32	15 53	1 31	23 59	0 20	14 6	1 21	28 46	4 59	0 55	1 17	13 13		n.a.
T 18	6 53	27 36	5 4	11 48	1 14	9 10	1 36	1 46	0 35	4 23	1 32	15 55	1 31	23 59	0 20	14 5	1 21	28 46	4 59	0 56	1 19	13 10		n.a.
W19	7 17	28 57	5 15	12 27	1 20	8 43	1 38	2 4	0 35	4 20	1 32	15 57	1 31	23 59	0 20	14 5	1 21	28 46	4 59	0 57	1 20	13 7		n.a.
T 20	7 40	28 43	5 11	13 5	1 25	8 16	1 39	2 21	0 34	4 17	1 32	15 59	1 31	23 59	0 20	14 4	1 21	28 46	4 59	0 58	1 21	13 4		n.a.
F 21	8 3	27 3	4 52	13 43	1 31	7 49	1 40	2 38	0 34	4 14	1 32	16 0	1 30	23 59	0 20	14 4	1 21	28 46	4 59	0 58	1 23	13 0		n.a.
S 22	8 27	24 10	4 20	14 20	1 36	7 21	1 42	2 56	0 33	4 11	1 32	16 2	1 30	23 59	0 20	14 4	1 21	28 46	4 59	0 58	1 24	12 57		n.a.
S 23	8 50	20 18	3 38	14 56	1 41	6 53	1 43	3 13	0 33	4 8	1 32	16 4	1 30	23 59	0 20	14 3	1 21	28 46	4 59	0 57	1 25	12 54		n.a.
M24	9 13	15 40	2 46	15 31	1 46	6 25	1 44	3 31	0 32	4 5	1 32	16 6	1 30	23 59	0 20	14 3	1 21	28 46	4 59	0 56	1 26	12 51		n.a.
T 25	9 35	10 28	1 48	16 6	1 51	5 57	1 45	3 48	0 32	4 2	1 31	16 8	1 30	23 59	0 20	14 2	1 21	28 46	4 59	0 56	1 28	12 48		n.a.
W26	9 58	4 53	0 45	16 40	1 55	5 29	1 46	4 5	0 31	3 59	1 31	16 10	1 30	23 59	0 20	14 2	1 21	28 46	4 59	0 55	1 29	12 44		n.a.
T 27	10 20	0s57	0s21	17 13	1 59	5 0	1 47	4 22	0 30	3 56	1 31	16 12	1 30	23 59	0 20	14 1	1 21	28 46	4 59	0 55	1 30	12 41		n.a.
F 28	10 43	6 49	1 27	17 44	2 3	4 31	1 47	4 40	0 30	3 53	1 31	16 14	1 30	24 0	0 20	14 1	1 21	28 45	4 59	0 56	1 32	12 38		n.a.
S 29	11 5	12 31	2 29	18 15	2 7	4 2	1 48	4 57	0 29	3 50	1 31	16 16	1 29	24 0	0 20	14 1	1 21	28 45	4 59	0 57	1 33	12 35		n.a.
S 30	11 27	17 49	3 25	18 45	2 10	3 33	1 49	5 14	0 29	3 48	1 30	16 18	1 29	24 0	0 20	14 0	1 21	28 45	4 59	0 58	1 34	12 32		n.a.
M31	11s49	22s26	4s12	19s14	2s13	3n 3	1n49	5s31	0n28	3n45	1s30	16s20	1n29	24s 0	0s20	14n 0	1n21	28s45	4s59	1s 1	1s35	12n28		n.a.

Julian Day Number = 1468212.5, Delta T = 05h33m19s
Ecliptic obliquity = 23°46'53, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'52, Lahiri = -13°31'52 Julian Calendar 1 Oct. 694 BCE == Greg. Calendar 24 Sept. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

NOVEMBER 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 9 30	1♏31'05	4♐31	18♏21	27♍46	15♎37	12°R41	19♏17	24♐30	26♋54	29♐23	27°R24	26♓ 0	3♍ 0	n.a.	T 1
W 2	2 13 27	2°32'12	17°46	19°48	29° 0	16°20	12♈34	19°24	24°32	26°56	29°25	27♓18	25°57	3° 7	n.a.	W 2
T 3	2 17 24	3°33'19	1♑14	21°15	0♎14	17° 3	12°27	19°30	24°35	26°57	29°26	27°13	25°54	3°14	n.a.	T 3
F 4	2 21 20	4°34'26	14°53	22°40	1°29	17°46	12°20	19°37	24°37	26°58	29°27	27° 9	25°51	3°20	n.a.	F 4
S 5	2 25 17	5°35'35	28°43	24° 4	2°43	18°28	12°13	19°44	24°40	26°59	29°28	27° 8	25°47	3°27	n.a.	S 5
S 6	2 29 13	6°36'44	12♒43	25°27	3°57	19°11	12° 6	19°51	24°43	27° 0	29°30	27°D 7	25°44	3°34	n.a.	S 6
M 7	2 33 10	7°37'53	26°54	26°48	5°11	19°54	12° 0	19°58	24°45	27° 1	29°31	27° 9	25°41	3°40	n.a.	M 7
T 8	2 37 6	8°39'02	11♓13	28° 7	6°25	20°37	11°53	20° 5	24°48	27° 2	29°32	27°10	25°38	3°47	n.a.	T 8
W 9	2 41 3	9°40'12	25°37	29°24	7°39	21°20	11°47	20°12	24°51	27° 3	29°33	27°R11	25°35	3°54	n.a.	W 9
T 10	2 45 0	10°41'23	10♈ 5	0♐39	8°54	22° 3	11°40	20°19	24°53	27° 4	29°35	27°10	25°32	4° 0	n.a.	T 10
F 11	2 48 56	11°42'34	24°29	1°51	10° 8	22°46	11°34	20°26	24°56	27° 5	29°36	27° 7	25°28	4° 7	n.a.	F 11
S 12	2 52 53	12°43'45	8♉46	2°59	11°22	23°29	11°28	20°33	24°59	27° 6	29°37	27° 2	25°25	4°13	n.a.	S 12
S 13	2 56 49	13°44'57	22°50	4° 3	12°37	24°12	11°22	20°40	25° 2	27° 6	29°39	26°55	25°22	4°20	n.a.	S 13
M14	3 0 46	14°46'10	6♊36	5° 3	13°51	24°56	11°17	20°47	25° 5	27° 7	29°40	26°47	25°19	4°27	n.a.	M14
T 15	3 4 42	15°47'23	20° 0	5°58	15° 6	25°39	11°11	20°54	25° 8	27° 8	29°42	26°38	25°16	4°33	n.a.	T 15
W16	3 8 39	16°48'37	3♋ 2	6°47	16°20	26°22	11° 6	21° 1	25°10	27° 9	29°43	26°30	25°12	4°40	n.a.	W16
T 17	3 12 35	17°49'52	15°42	7°29	17°35	27° 5	11° 1	21° 8	25°13	27° 9	29°45	26°23	25° 9	4°47	n.a.	T 17
F 18	3 16 32	18°51'07	28° 2	8° 3	18°49	27°49	10°56	21°15	25°16	27°10	29°46	26°18	25° 6	4°53	n.a.	F 18
S 19	3 20 29	19°52'22	10♌ 7	8°29	20° 4	28°32	10°51	21°22	25°19	27°11	29°48	26°16	25° 3	5° 0	n.a.	S 19
S 20	3 24 25	20°53'38	22° 1	8°45	21°19	29°16	10°46	21°29	25°22	27°11	29°49	26°D15	25° 0	5° 7	n.a.	S 20
M21	3 28 22	21°54'55	3♍50	8°R51	22°33	29°59	10°42	21°36	25°26	27°12	29°51	26°16	24°57	5°13	n.a.	M21
T 22	3 32 18	22°56'12	15°38	8°46	23°48	0♏43	10°38	21°43	25°29	27°12	29°52	26°17	24°53	5°20	n.a.	T 22
W23	3 36 15	23°57'29	27°31	8°30	25° 3	1°26	10°34	21°50	25°32	27°13	29°54	26°R17	24°50	5°27	n.a.	W23
T 24	3 40 11	24°58'47	9♎35	8° 1	26°17	2°10	10°30	21°57	25°35	27°13	29°55	26°16	24°47	5°33	n.a.	T 24
F 25	3 44 8	26° 0'05	21°52	7°21	27°32	2°53	10°26	22° 4	25°38	27°14	29°57	26°13	24°44	5°40	n.a.	F 25
S 26	3 48 5	27° 1'24	4♏27	6°30	28°47	3°37	10°22	22°11	25°41	27°14	29°59	26° 7	24°41	5°47	n.a.	S 26
S 27	3 52 1	28° 2'42	17°20	5°29	0♏ 2	4°21	10°19	22°18	25°44	27°14	0♑ 0	25°58	24°38	5°53	n.a.	S 27
M28	3 55 58	29° 4'00	0♐31	4°19	1°16	5° 5	10°16	22°25	25°48	27°15	0° 2	25°48	24°34	6° 0	n.a.	M28
T 29	3 59 54	0♐ 5'19	13°59	3° 3	2°31	5°48	10°13	22°32	25°51	27°15	0° 4	25°36	24°31	6° 7	n.a.	T 29
W30	4 3 51	1♐ 6'37	27♐41	1♐43	3♏46	6♏32	10♈10	22♏39	25♐54	27♌15	0♑ 5	25♓25	24♓28	6♍13	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s10	26s 2	4s47	19s42	2s15	2n34	1n49	5s49	0n28	3n42	1s30	16s22	1n29	24s 0	0s20	13n59	1n21	28s45	4s59	1s 3	1s37	12n25		n.a.
W 2	12 32	28 18	5 7	20 8	2 17	2 4	1 50	6 6	0 27	3 40	1 30	16 24	1 29	24 0	0 20	13 59	1 21	28 45	4 58	1 5	1 38	12 22		n.a.
T 3	12 53	28 57	5 10	20 33	2 19	1 35	1 50	6 23	0 27	3 37	1 30	16 26	1 29	24 0	0 20	13 59	1 21	28 45	4 58	1 7	1 39	12 19		n.a.
F 4	13 14	27 51	4 56	20 57	2 20	1 5	1 50	6 40	0 26	3 34	1 29	16 28	1 29	24 0	0 20	13 58	1 21	28 45	4 58	1 9	1 41	12 16		n.a.
S 5	13 34	25 2	4 25	21 19	2 21	0 35	1 50	6 57	0 25	3 32	1 29	16 30	1 29	24 0	0 20	13 58	1 21	28 45	4 58	1 10	1 42	12 12		n.a.
S 6	13 55	20 43	3 38	21 40	2 21	0 5	1 50	7 14	0 25	3 29	1 29	16 32	1 29	24 0	0 20	13 58	1 22	28 45	4 58	1 10	1 43	12 9		n.a.
M 7	14 15	15 10	2 37	21 59	2 20	0s25	1 50	7 31	0 24	3 27	1 29	16 34	1 29	24 1	0 20	13 57	1 22	28 45	4 58	1 9	1 44	12 6		n.a.
T 8	14 35	8 47	1 26	22 17	2 19	0 55	1 50	7 48	0 24	3 25	1 28	16 36	1 29	24 1	0 20	13 57	1 22	28 45	4 58	1 9	1 46	12 3		n.a.
W 9	14 55	1 54	0 8	22 32	2 17	1 25	1 49	8 5	0 23	3 22	1 28	16 38	1 28	24 1	0 20	13 57	1 22	28 45	4 58	1 8	1 47	12 0		n.a.
T 10	15 15	5n 6	1n 9	22 46	2 14	1 55	1 49	8 22	0 23	3 20	1 28	16 40	1 28	24 1	0 20	13 57	1 22	28 45	4 58	1 9	1 48	11 56		n.a.
F 11	15 34	11 49	2 22	22 58	2 11	2 25	1 48	8 38	0 22	3 18	1 28	16 42	1 28	24 1	0 20	13 56	1 22	28 45	4 58	1 10	1 49	11 53		n.a.
S 12	15 53	17 52	3 26	23 7	2 7	2 55	1 48	8 55	0 21	3 16	1 27	16 44	1 28	24 1	0 20	13 56	1 22	28 45	4 58	1 12	1 51	11 50		n.a.
S 13	16 11	22 51	4 15	23 15	2 1	3 25	1 47	9 12	0 21	3 14	1 27	16 45	1 28	24 1	0 20	13 56	1 22	28 45	4 58	1 15	1 52	11 47		n.a.
M14	16 30	26 27	4 49	23 20	1 55	3 54	1 47	9 28	0 20	3 12	1 27	16 47	1 28	24 1	0 20	13 56	1 22	28 45	4 58	1 18	1 53	11 43		n.a.
T 15	16 48	28 28	5 5	23 22	1 47	4 24	1 46	9 45	0 20	3 10	1 27	16 49	1 28	24 1	0 20	13 55	1 22	28 45	4 58	1 21	1 55	11 40		n.a.
W16	17 6	28 50	5 5	23 22	1 39	4 54	1 45	10 1	0 19	3 8	1 26	16 51	1 28	24 1	0 20	13 55	1 22	28 45	4 58	1 25	1 56	11 37		n.a.
T 17	17 23	27 39	4 50	23 20	1 29	5 24	1 44	10 18	0 18	3 6	1 26	16 53	1 28	24 2	0 20	13 55	1 22	28 45	4 58	1 27	1 57	11 34		n.a.
F 18	17 41	25 7	4 22	23 14	1 18	5 53	1 43	10 34	0 18	3 4	1 26	16 55	1 28	24 2	0 20	13 55	1 22	28 45	4 58	1 29	1 58	11 30		n.a.
S 19	17 57	21 31	3 42	23 6	1 5	6 23	1 42	10 50	0 17	3 3	1 25	16 57	1 28	24 2	0 20	13 55	1 22	28 45	4 58	1 30	2 0	11 27		n.a.
S 20	18 14	17 6	2 53	22 55	0 51	6 52	1 41	11 7	0 16	3 1	1 25	16 59	1 28	24 2	0 20	13 54	1 22	28 45	4 58	1 31	2 1	11 24		n.a.
M21	18 30	12 4	1 58	22 41	0 36	7 22	1 40	11 23	0 16	3 0	1 25	17 1	1 28	24 2	0 20	13 54	1 22	28 45	4 58	1 30	2 2	11 21		n.a.
T 22	18 46	6 37	0 57	22 24	0 19	7 51	1 38	11 39	0 15	2 58	1 25	17 3	1 28	24 2	0 20	13 54	1 22	28 45	4 58	1 30	2 3	11 17		n.a.
W23	19 2	0 54	0s 7	22 4	0 1	8 20	1 37	11 55	0 15	2 57	1 24	17 5	1 28	24 2	0 20	13 54	1 22	28 45	4 58	1 30	2 5	11 14		n.a.
T 24	19 17	4s56	1 11	21 40	0n17	8 48	1 36	12 11	0 14	2 56	1 24	17 6	1 27	24 2	0 20	13 54	1 22	28 45	4 58	1 30	2 6	11 11		n.a.
F 25	19 32	10 41	2 12	21 14	0 37	9 17	1 34	12 26	0 13	2 54	1 24	17 8	1 27	24 2	0 20	13 54	1 23	28 45	4 58	1 32	2 7	11 8		n.a.
S 26	19 46	16 9	3 9	20 46	0 57	9 45	1 33	12 42	0 13	2 53	1 23	17 10	1 27	24 3	0 20	13 54	1 23	28 45	4 58	1 34	2 9	11 4		n.a.
S 27	20 0	21 2	3 57	20 16	1 17	10 13	1 31	12 58	0 12	2 52	1 23	17 12	1 27	24 3	0 20	13 54	1 23	28 45	4 58	1 37	2 10	11 1		n.a.
M28	20 14	25 1	4 34	19 44	1 37	10 41	1 29	13 13	0 11	2 51	1 23	17 14	1 27	24 3	0 20	13 54	1 23	28 45	4 58	1 42	2 11	10 58		n.a.
T 29	20 28	27 43	4 57	19 11	1 56	11 9	1 28	13 29	0 11	2 51	1 22	17 16	1 27	24 3	0 20	13 54	1 23	28 45	4 58	1 46	2 12	10 55		n.a.
W30	20s40	28s48	5s 2	18s38	2n13	11s36	1n26	13s44	0n10	2n50	1s22	17s18	1n27	24s 3	0s20	13n54	1n23	28s45	4s58	1s51	2s14	10n51		n.a.

Julian Day Number = 1468243.5, Delta T = 05h33m17s
Ecliptic obliquity = 23°46'53, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'48, Lahiri = -13°31'48 Julian Calendar 1 Nov. 694 BCE == Greg. Calendar 25 Oct. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 694 BCE
geocentric

DECEMBER 694 BCE (-693) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 7 47	2♐ 7'55	11♉33	0°R22	5♏ 1	7♏16	10°R 8	22♏46	25♐57	27♑15	0♉ 7	25°R15	24♓25	6♍20	n.a.	T 1
F 2	4 11 44	3° 9'13	25°33	29♏ 3	6°16	8° 0	10♈ 6	22°53	26° 1	27°16	0° 9	25♓ 7	24°22	6°27	n.a.	F 2
S 3	4 15 40	4°10'30	9♒36	27°47	7°31	8°44	10° 3	23° 0	26° 4	27°16	0°10	25° 2	24°18	6°33	n.a.	S 3
S 4	4 19 37	5°11'46	23°41	26°37	8°45	9°28	10° 1	23° 7	26° 7	27°16	0°12	25° 0	24°15	6°40	n.a.	S 4
M 5	4 23 34	6°13'02	7♓46	25°35	10° 0	10°12	10° 0	23°14	26°11	27°16	0°14	24°D59	24°12	6°47	n.a.	M 5
T 6	4 27 30	7°14'17	21°50	24°41	11°15	10°56	9°58	23°21	26°14	27°16	0°16	24°R59	24° 9	6°53	n.a.	T 6
W 7	4 31 27	8°15'31	5♈54	23°57	12°30	11°40	9°57	23°28	26°18	27°R16	0°17	24°59	24° 6	7° 0	n.a.	W 7
T 8	4 35 23	9°16'44	19°54	23°24	13°45	12°24	9°56	23°35	26°21	27°16	0°19	24°57	24° 3	7° 7	n.a.	T 8
F 9	4 39 20	10°17'57	3♉51	22°59	15° 0	13° 9	9°55	23°42	26°24	27°16	0°21	24°52	23°59	7°13	n.a.	F 9
S 10	4 43 16	11°19'09	17°41	22°45	16°14	13°53	9°54	23°49	26°28	27°16	0°23	24°44	23°56	7°20	n.a.	S 10
S 11	4 47 13	12°20'21	1♊21	22°D40	17°29	14°37	9°54	23°56	26°31	27°16	0°25	24°33	23°53	7°26	n.a.	S 11
M12	4 51 10	13°21'32	14°48	22°43	18°44	15°21	9°54	24° 2	26°35	27°16	0°26	24°20	23°50	7°33	n.a.	M12
T 13	4 55 6	14°22'42	27°59	22°54	19°59	16° 6	9°D54	24° 9	26°38	27°15	0°28	24° 7	23°47	7°40	n.a.	T 13
W14	4 59 3	15°23'52	10♋53	23°13	21°14	16°50	9°54	24°16	26°42	27°15	0°30	23°54	23°44	7°46	n.a.	W14
T 15	5 2 59	16°25'01	23°29	23°38	22°29	17°35	9°54	24°23	26°45	27°15	0°32	23°43	23°40	7°53	n.a.	T 15
F 16	5 6 56	17°26'09	5♌48	24° 9	23°44	18°19	9°55	24°29	26°49	27°15	0°34	23°34	23°37	8° 0	n.a.	F 16
S 17	5 10 52	18°27'17	17°52	24°46	24°59	19° 3	9°56	24°36	26°52	27°14	0°36	23°28	23°34	8° 6	n.a.	S 17
S 18	5 14 49	19°28'24	29°46	25°28	26°14	19°48	9°56	24°43	26°56	27°14	0°37	23°25	23°31	8°13	n.a.	S 18
M19	5 18 45	20°29'30	11♍35	26°15	27°28	20°33	9°58	24°49	26°59	27°13	0°39	23°24	23°28	8°20	n.a.	M19
T 20	5 22 42	21°30'36	23°23	27° 5	28°43	21°17	9°59	24°56	27° 3	27°13	0°41	23°23	23°24	8°26	n.a.	T 20
W21	5 26 39	22°31'41	5♎16	27°59	29°58	22° 2	10° 1	25° 2	27° 6	27°13	0°43	23°23	23°21	8°33	n.a.	W21
T 22	5 30 35	23°32'46	17°20	28°57	1♐13	22°46	10° 2	25° 9	27°10	27°12	0°45	23°22	23°18	8°40	n.a.	T 22
F 23	5 34 32	24°33'49	29°40	29°57	2°28	23°31	10° 4	25°15	27°13	27°11	0°47	23°18	23°15	8°46	n.a.	F 23
S 24	5 38 28	25°34'52	12♏20	1♐ 0	3°43	24°16	10° 7	25°22	27°17	27°11	0°49	23°12	23°12	8°53	n.a.	S 24
S 25	5 42 25	26°35'54	25°23	2° 6	4°58	25° 1	10° 9	25°28	27°20	27°10	0°51	23° 2	23° 9	9° 0	n.a.	S 25
M26	5 46 21	27°36'55	8♐50	3°14	6°13	25°45	10°12	25°34	27°24	27°10	0°52	22°51	23° 5	9° 6	n.a.	M26
T 27	5 50 18	28°37'55	22°39	4°24	7°28	26°30	10°14	25°41	27°27	27° 9	0°54	22°38	23° 2	9°13	n.a.	T 27
W28	5 54 15	29°38'54	6♑46	5°36	8°42	27°15	10°17	25°47	27°31	27° 8	0°56	22°25	22°59	9°20	n.a.	W28
T 29	5 58 11	0♑39'52	21° 7	6°49	9°57	28° 0	10°21	25°53	27°34	27° 8	0°58	22°14	22°56	9°26	n.a.	T 29
F 30	6 2 8	1°40'48	5♒34	8° 4	11°12	28°45	10°24	25°59	27°38	27° 7	1° 0	22° 5	22°53	9°33	n.a.	F 30
S 31	6 6 4	2♑41'43	20♒ 2	9♐21	12♐27	29♏30	10♈28	26♏ 6	27♐41	27♑ 6	1♉ 2	21♓59	22♓50	9♍39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20s53	28s 6	4s51	18s 6	2n29	12s 4	1n24	13s59	0n 9	2n49	1s22	17s19	1n27	24s 3	0s20	13n54	1n23	28s45	4s58	1s55	2s15	10n48			n.a.
F 2	21 5	25 37	4 22	17 35	2 42	12 30	1 22	14 14	0 9	2 48	1 21	17 21	1 27	24 3	0 20	13 54	1 23	28 45	4 58	1 58	2 16	10 45			n.a.
S 3	21 17	21 34	3 36	17 8	2 54	12 57	1 20	14 29	0 8	2 48	1 21	17 23	1 27	24 3	0 20	13 54	1 23	28 45	4 58	2 0	2 18	10 41			n.a.
S 4	21 28	16 18	2 38	16 43	3 3	13 23	1 18	14 44	0 7	2 47	1 21	17 25	1 27	24 3	0 20	13 54	1 23	28 45	4 58	2 1	2 19	10 38			n.a.
M 5	21 39	10 10	1 30	16 22	3 9	13 49	1 16	14 59	0 7	2 47	1 20	17 27	1 27	24 3	0 20	13 54	1 23	28 45	4 58	2 1	2 20	10 35			n.a.
T 6	21 50	3 32	0 17	16 5	3 14	14 15	1 14	15 14	0 6	2 47	1 20	17 28	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 1	2 21	10 32			n.a.
W 7	22 0	3n15	0n58	15 52	3 16	14 40	1 12	15 28	0 5	2 47	1 20	17 30	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 1	2 23	10 28			n.a.
T 8	22 9	9 52	2 8	15 44	3 16	15 5	1 10	15 42	0 5	2 46	1 19	17 32	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 2	2 24	10 25			n.a.
F 9	22 19	15 57	3 10	15 39	3 14	15 29	1 8	15 57	0 4	2 46	1 19	17 34	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 4	2 25	10 22			n.a.
S 10	22 27	21 11	4 1	15 38	3 11	15 53	1 6	16 11	0 3	2 46	1 19	17 35	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 7	2 26	10 18			n.a.
S 11	22 36	25 14	4 36	15 41	3 7	16 17	1 3	16 25	0 3	2 47	1 18	17 37	1 27	24 4	0 20	13 54	1 23	28 45	4 58	2 12	2 28	10 15			n.a.
M12	22 44	27 48	4 56	15 47	3 2	16 40	1 1	16 39	0 2	2 47	1 18	17 39	1 27	24 4	0 20	13 54	1 24	28 45	4 58	2 17	2 29	10 12			n.a.
T 13	22 51	28 46	5 0	15 56	2 56	17 3	0 59	16 52	0 1	2 47	1 18	17 41	1 27	24 4	0 20	13 54	1 24	28 45	4 58	2 22	2 30	10 8			n.a.
W14	22 58	28 6	4 47	16 7	2 49	17 25	0 56	17 6	0 0	2 47	1 17	17 42	1 27	24 4	0 20	13 54	1 24	28 45	4 58	2 27	2 32	10 5			n.a.
T 15	23 5	26 0	4 21	16 21	2 41	17 47	0 54	17 19	0s 0	2 48	1 17	17 44	1 27	24 4	0 20	13 55	1 24	28 45	4 58	2 32	2 33	10 2			n.a.
F 16	23 11	22 42	3 44	16 37	2 33	18 8	0 52	17 33	0 1	2 48	1 17	17 46	1 27	24 5	0 20	13 55	1 24	28 45	4 58	2 35	2 34	9 59			n.a.
S 17	23 16	18 29	2 56	16 54	2 25	18 29	0 49	17 46	0 2	2 49	1 16	17 47	1 27	24 5	0 20	13 55	1 24	28 45	4 58	2 38	2 35	9 55			n.a.
S 18	23 21	13 36	2 2	17 12	2 16	18 50	0 47	17 59	0 2	2 50	1 16	17 49	1 27	24 5	0 20	13 55	1 24	28 45	4 58	2 39	2 37	9 52			n.a.
M19	23 26	8 17	1 2	17 32	2 7	19 10	0 44	18 11	0 3	2 51	1 16	17 50	1 27	24 5	0 20	13 55	1 24	28 45	4 59	2 40	2 38	9 49			n.a.
T 20	23 30	2 40	0 0	17 53	1 58	19 29	0 42	18 24	0 4	2 51	1 15	17 52	1 27	24 5	0 20	13 55	1 24	28 45	4 59	2 40	2 39	9 45			n.a.
W21	23 34	3s 4	1s 2	18 14	1 49	19 48	0 39	18 36	0 5	2 52	1 15	17 54	1 27	24 5	0 20	13 56	1 24	28 45	4 59	2 40	2 40	9 42			n.a.
T 22	23 37	8 47	2 3	18 36	1 39	20 6	0 37	18 49	0 5	2 53	1 15	17 55	1 27	24 5	0 20	13 56	1 24	28 45	4 59	2 40	2 42	9 39			n.a.
F 23	23 40	14 18	2 59	18 58	1 30	20 24	0 34	19 1	0 6	2 54	1 14	17 57	1 27	24 5	0 20	13 56	1 24	28 45	4 59	2 42	2 43	9 35			n.a.
S 24	23 42	19 22	3 48	19 20	1 21	20 41	0 32	19 13	0 7	2 56	1 14	17 58	1 27	24 5	0 20	13 56	1 24	28 46	4 59	2 44	2 44	9 32			n.a.
S 25	23 44	23 41	4 27	19 42	1 12	20 57	0 29	19 25	0 7	2 57	1 14	18 0	1 27	24 5	0 20	13 57	1 24	28 46	4 59	2 48	2 46	9 29			n.a.
M26	23 46	26 53	4 51	20 5	1 2	21 13	0 26	19 36	0 8	2 58	1 13	18 1	1 27	24 5	0 20	13 57	1 24	28 46	4 59	2 53	2 47	9 25			n.a.
T 27	23 46	28 34	5 0	20 27	0 53	21 28	0 24	19 48	0 9	3 0	1 13	18 3	1 27	24 5	0 20	13 57	1 24	28 46	4 59	2 58	2 48	9 22			n.a.
W28	23 47	28 27	4 51	20 49	0 44	21 43	0 21	19 59	0 10	3 1	1 13	18 4	1 27	24 6	0 20	13 57	1 24	28 46	4 59	3 3	2 49	9 19			n.a.
T 29	23 47	26 26	4 23	21 10	0 36	21 57	0 19	20 10	0 10	3 3	1 12	18 6	1 27	24 6	0 20	13 58	1 24	28 46	4 59	3 7	2 51	9 15			n.a.
F 30	23 46	22 41	3 39	21 31	0 27	22 11	0 16	20 21	0 11	3 4	1 12	18 7	1 27	24 6	0 20	13 58	1 24	28 46	4 59	3 11	2 52	9 12			n.a.
S 31	23s45	17s32	2s40	21s52	0n18	22s23	0n13	20s32	0s12	3n 6	1s12	18s 9	1n27	24s 6	0s20	13n58	1n25	28s46	4s59	3s13	2s53	9n 9			n.a.

Julian Day Number = 1468273.5, Delta T = 05h33m16s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'44, Lahiri = -13°31'44 Julian Calendar 1 Dec. 694 BCE == Greg. Calendar 24 Nov. 694 BCE

The year -693 astronomical counting style corresponds to year 694 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

JANUARY 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 10 1	3♉42'36	4♓25	10♐39	13♐42	0♐15	10♈31	26♏12	27♐45	27°R 5	1♉ 4	21°R56	22♓46	9♍46	n.a.	S 1
M 2	6 13 57	4°43'27	18°41	11°59	14°57	1° 0	10°35	26°18	27°48	27♌ 5	1° 6	21°D55	22°43	9°53	n.a.	M 2
T 3	6 17 54	5°44'17	2♈46	13°19	16°12	1°45	10°39	26°24	27°52	27° 4	1° 7	21°R55	22°40	9°59	n.a.	T 3
W 4	6 21 50	6°45'05	16°42	14°41	17°26	2°30	10°44	26°30	27°55	27° 3	1° 9	21♓55	22°37	10° 6	n.a.	W 4
T 5	6 25 47	7°45'51	0♉27	16° 4	18°41	3°15	10°48	26°36	27°59	27° 2	1°11	21°53	22°34	10°13	n.a.	T 5
F 6	6 29 44	8°46'36	14° 3	17°29	19°56	4° 0	10°53	26°41	28° 2	27° 1	1°13	21°48	22°30	10°19	n.a.	F 6
S 7	6 33 40	9°47'19	27°28	18°54	21°11	4°45	10°58	26°47	28° 6	27° 0	1°15	21°41	22°27	10°26	n.a.	S 7
S 8	6 37 37	10°48'00	10♊43	20°20	22°26	5°31	11° 3	26°53	28° 9	26°59	1°17	21°31	22°24	10°33	n.a.	S 8
M 9	6 41 33	11°48'39	23°46	21°47	23°40	6°16	11° 8	26°59	28°13	26°58	1°19	21°19	22°21	10°39	n.a.	M 9
T 10	6 45 30	12°49'17	6♋37	23°15	24°55	7° 1	11°13	27° 4	28°16	26°57	1°21	21° 7	22°18	10°46	n.a.	T 10
W11	6 49 26	13°49'53	19°14	24°44	26°10	7°46	11°19	27°10	28°20	26°56	1°22	20°54	22°15	10°53	n.a.	W11
T 12	6 53 23	14°50'28	1♌38	26°14	27°25	8°32	11°25	27°15	28°23	26°55	1°24	20°44	22°11	10°59	n.a.	T 12
F 13	6 57 19	15°51'00	13°50	27°45	28°39	9°17	11°31	27°21	28°27	26°53	1°26	20°35	22° 8	11° 6	n.a.	F 13
S 14	7 1 16	16°51'32	25°50	29°17	29°54	10° 2	11°37	27°26	28°30	26°52	1°28	20°29	22° 5	11°13	n.a.	S 14
S 15	7 5 13	17°52'01	7♍43	0♉50	1♉ 9	10°48	11°43	27°32	28°33	26°51	1°30	20°26	22° 2	11°19	n.a.	S 15
M16	7 9 9	18°52'29	19°30	2°24	2°24	11°33	11°49	27°37	28°37	26°50	1°32	20°D25	21°59	11°26	n.a.	M16
T 17	7 13 6	19°52'56	1♎17	3°59	3°38	12°18	11°56	27°42	28°40	26°49	1°33	20°26	21°56	11°33	n.a.	T 17
W18	7 17 2	20°53'21	13°10	5°34	4°53	13° 4	12° 2	27°47	28°43	26°47	1°35	20°27	21°52	11°39	n.a.	W18
T 19	7 20 59	21°53'44	25°12	7°11	6° 8	13°49	12° 9	27°52	28°47	26°46	1°37	20°R27	21°49	11°46	n.a.	T 19
F 20	7 24 55	22°54'06	7♏31	8°48	7°22	14°35	12°16	27°57	28°50	26°45	1°39	20°26	21°46	11°52	n.a.	F 20
S 21	7 28 52	23°54'27	20°10	10°27	8°37	15°20	12°24	28° 2	28°53	26°44	1°41	20°22	21°43	11°59	n.a.	S 21
S 22	7 32 48	24°54'46	3♐14	12° 6	9°52	16° 6	12°31	28° 7	28°57	26°42	1°42	20°17	21°40	12° 6	n.a.	S 22
M23	7 36 45	25°55'03	16°44	13°47	11° 6	16°52	12°38	28°12	29° 0	26°41	1°44	20° 9	21°36	12°12	n.a.	M23
T 24	7 40 42	26°55'19	0♑42	15°28	12°21	17°37	12°46	28°17	29° 3	26°40	1°46	20° 0	21°33	12°19	n.a.	T 24
W25	7 44 38	27°55'32	15° 3	17°11	13°36	18°23	12°54	28°21	29° 6	26°38	1°48	19°52	21°30	12°26	n.a.	W25
T 26	7 48 35	28°55'44	29°43	18°54	14°50	19° 8	13° 2	28°26	29° 9	26°37	1°49	19°44	21°27	12°32	n.a.	T 26
F 27	7 52 31	29°55'54	14♒34	20°39	16° 5	19°54	13°10	28°30	29°13	26°35	1°51	19°37	21°24	12°39	n.a.	F 27
S 28	7 56 28	0♒56'02	29°28	22°24	17°20	20°40	13°18	28°35	29°16	26°34	1°53	19°33	21°21	12°46	n.a.	S 28
S 29	8 0 24	1°56'08	14♓16	24°11	18°34	21°25	13°26	28°39	29°19	26°32	1°54	19°D32	21°17	12°52	n.a.	S 29
M30	8 4 21	2°56'11	28°52	25°59	19°49	22°11	13°35	28°44	29°22	26°31	1°56	19°32	21°14	12°59	n.a.	M30
T 31	8 8 17	3♒56'12	13♈13	27♉48	21♉ 4	22♐57	13♈43	28♏48	29♐25	26♌30	1♉58	19♓33	21♓11	13♍ 6	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23s44	11s26	1s31	22s12	0n10	22s35	0n11	20s42	0s13	3n 8	1s11	18s10	1n27	24s 6	0s20	13n59	1n25	28s46	4s59	3s15	2s54	9n 5			n.a.
M 2	23 42	4 48	0 17	22 31	0 2	22 47	0 8	20 52	0 13	3 10	1 11	18 11	1 27	24 6	0 20	13 59	1 25	28 46	4 59	3 15	2 56	9 2			n.a.
T 3	23 39	1n59	0n57	22 50	0s 6	22 58	0 6	21 2	0 14	3 12	1 11	18 13	1 27	24 6	0 20	13 59	1 25	28 46	5 0	3 15	2 57	8 59			n.a.
W 4	23 36	8 36	2 7	23 7	0 14	23 8	0 3	21 12	0 15	3 14	1 10	18 14	1 27	24 6	0 20	14 0	1 25	28 46	5 0	3 15	2 58	8 55			n.a.
T 5	23 33	14 44	3 9	23 24	0 22	23 17	0 1	21 22	0 16	3 16	1 10	18 16	1 27	24 6	0 20	14 0	1 25	28 46	5 0	3 16	3 0	8 52			n.a.
F 6	23 29	20 5	3 59	23 40	0 29	23 26	0s 2	21 31	0 16	3 18	1 10	18 17	1 27	24 6	0 20	14 0	1 25	28 46	5 0	3 18	3 1	8 49			n.a.
S 7	23 25	24 20	4 36	23 55	0 36	23 34	0 5	21 40	0 17	3 20	1 10	18 18	1 27	24 6	0 20	14 1	1 25	28 46	5 0	3 21	3 2	8 45			n.a.
S 8	23 20	27 15	4 56	24 9	0 43	23 41	0 7	21 49	0 18	3 22	1 9	18 20	1 27	24 6	0 20	14 1	1 25	28 46	5 0	3 25	3 3	8 42			n.a.
M 9	23 15	28 39	5 1	24 21	0 50	23 47	0 10	21 58	0 19	3 25	1 9	18 21	1 27	24 6	0 20	14 2	1 25	28 47	5 0	3 29	3 5	8 38			n.a.
T 10	23 9	28 27	4 51	24 33	0 57	23 53	0 12	22 7	0 20	3 27	1 9	18 22	1 27	24 6	0 20	14 2	1 25	28 47	5 0	3 34	3 6	8 35			n.a.
W11	23 3	26 46	4 26	24 44	1 3	23 58	0 15	22 15	0 20	3 30	1 8	18 23	1 27	24 6	0 20	14 2	1 25	28 47	5 0	3 39	3 7	8 32			n.a.
T 12	22 56	23 48	3 49	24 53	1 9	24 2	0 17	22 23	0 21	3 32	1 8	18 25	1 27	24 7	0 20	14 3	1 25	28 47	5 0	3 44	3 8	8 28			n.a.
F 13	22 49	19 49	3 2	25 1	1 15	24 6	0 19	22 31	0 22	3 35	1 8	18 26	1 27	24 7	0 20	14 3	1 25	28 47	5 1	3 47	3 10	8 25			n.a.
S 14	22 42	15 5	2 7	25 7	1 20	24 9	0 22	22 39	0 23	3 37	1 7	18 27	1 27	24 7	0 20	14 4	1 25	28 47	5 1	3 49	3 11	8 22			n.a.
S 15	22 34	9 50	1 7	25 12	1 26	24 11	0 24	22 46	0 23	3 40	1 7	18 28	1 27	24 7	0 20	14 4	1 25	28 47	5 1	3 50	3 12	8 18			n.a.
M16	22 26	4 17	0 5	25 16	1 30	24 12	0 27	22 53	0 24	3 43	1 7	18 29	1 28	24 7	0 20	14 5	1 25	28 47	5 1	3 51	3 14	8 15			n.a.
T 17	22 17	1s24	0s58	25 18	1 35	24 13	0 29	23 0	0 25	3 46	1 7	18 30	1 28	24 7	0 20	14 5	1 25	28 47	5 1	3 51	3 15	8 12			n.a.
W18	22 8	7 5	1 59	25 19	1 39	24 13	0 31	23 7	0 26	3 49	1 6	18 32	1 28	24 7	0 20	14 6	1 25	28 47	5 1	3 50	3 16	8 8			n.a.
T 19	21 58	12 36	2 55	25 18	1 43	24 12	0 34	23 14	0 27	3 52	1 6	18 33	1 28	24 7	0 20	14 6	1 25	28 47	5 1	3 50	3 17	8 5			n.a.
F 20	21 48	17 45	3 45	25 16	1 47	24 10	0 36	23 20	0 27	3 55	1 6	18 34	1 28	24 7	0 20	14 7	1 25	28 48	5 1	3 51	3 19	8 1			n.a.
S 21	21 38	22 17	4 25	25 12	1 50	24 8	0 38	23 26	0 28	3 58	1 5	18 35	1 28	24 7	0 20	14 7	1 25	28 48	5 1	3 52	3 20	7 58			n.a.
S 22	21 27	25 53	4 53	25 6	1 53	24 5	0 40	23 31	0 29	4 1	1 5	18 36	1 28	24 7	0 20	14 8	1 25	28 48	5 2	3 54	3 21	7 55			n.a.
M23	21 16	28 11	5 6	24 59	1 56	24 1	0 42	23 37	0 30	4 4	1 5	18 37	1 28	24 7	0 20	14 8	1 26	28 48	5 2	3 57	3 22	7 51			n.a.
T 24	21 4	28 48	5 1	24 49	1 58	23 56	0 44	23 42	0 31	4 7	1 5	18 38	1 28	24 7	0 20	14 9	1 26	28 48	5 2	4 1	3 24	7 48			n.a.
W25	20 52	27 31	4 37	24 38	2 0	23 51	0 46	23 47	0 31	4 11	1 4	18 39	1 28	24 7	0 20	14 9	1 26	28 48	5 2	4 4	3 25	7 45			n.a.
T 26	20 40	24 20	3 55	24 26	2 1	23 45	0 48	23 52	0 32	4 14	1 4	18 40	1 28	24 7	0 20	14 10	1 26	28 48	5 2	4 7	3 26	7 41			n.a.
F 27	20 27	19 31	2 57	24 11	2 2	23 38	0 50	23 56	0 33	4 18	1 4	18 41	1 28	24 7	0 20	14 10	1 26	28 48	5 2	4 10	3 28	7 38			n.a.
S 28	20 14	13 29	1 46	23 54	2 3	23 30	0 52	24 1	0 34	4 21	1 3	18 42	1 28	24 7	0 20	14 11	1 26	28 48	5 2	4 11	3 29	7 34			n.a.
S 29	20 1	6 43	0 28	23 36	2 3	23 22	0 54	24 4	0 35	4 25	1 3	18 43	1 28	24 7	0 21	14 11	1 26	28 49	5 3	4 12	3 30	7 31			n.a.
M30	19 47	0n19	0n50	23 15	2 3	23 13	0 56	24 8	0 35	4 28	1 3	18 44	1 28	24 7	0 21	14 12	1 26	28 49	5 3	4 12	3 31	7 28			n.a.
T 31	19s33	7n12	2n 5	22s53	2s 2	23s 3	0s58	24s12	0s36	4n32	1s 3	18s44	1n28	24s 7	0s21	14n12	1n26	28s49	5s 3	4s12	3s33	7n24			n.a.

Julian Day Number = 1468304.5, Delta T = 05h33m14s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'40, Lahiri = -13°31'39 Julian Calendar 1 Jan. 693 BCE == Greg. Calendar 25 Dec. 694 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

FEBRUARY 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 12 14	4♒56'10	27♈16	29♉38	22♉18	23♐43	13♈52	28♏52	29♐28	26°R28	1♉59	19♓34	21♓ 8	13♍12	n.a.	W 1
T 2	8 16 11	5°56'07	11♉ 0	1♒29	23°33	24°28	14° 1	28°56	29°31	26♎26	2° 1	19°R34	21° 5	13°19	n.a.	T 2
F 3	8 20 7	6°56'01	24°27	3°21	24°47	25°14	14°10	29° 0	29°34	26°25	2° 3	19°33	21° 2	13°26	n.a.	F 3
S 4	8 24 4	7°55'52	7♊38	5°14	26° 2	26° 0	14°19	29° 4	29°37	26°23	2° 4	19°29	20°58	13°32	n.a.	S 4
S 5	8 28 0	8°55'42	20°34	7° 8	27°16	26°46	14°28	29° 8	29°40	26°22	2° 6	19°24	20°55	13°39	n.a.	S 5
M 6	8 31 57	9°55'29	3♋17	9° 3	28°31	27°31	14°38	29°12	29°43	26°20	2° 7	19°18	20°52	13°45	n.a.	M 6
T 7	8 35 53	10°55'14	15°48	10°59	29°45	28°17	14°47	29°15	29°46	26°19	2° 9	19°11	20°49	13°52	n.a.	T 7
W 8	8 39 50	11°54'56	28° 8	12°56	1♒ 0	29° 3	14°57	29°19	29°48	26°17	2°10	19° 4	20°46	13°59	n.a.	W 8
T 9	8 43 46	12°54'37	10♌18	14°54	2°14	29°49	15° 6	29°22	29°51	26°16	2°12	18°58	20°42	14° 5	n.a.	T 9
F 10	8 47 43	13°54'15	22°19	16°53	3°29	0♉35	15°16	29°26	29°54	26°14	2°13	18°53	20°39	14°12	n.a.	F 10
S 11	8 51 40	14°53'51	4♍14	18°52	4°43	1°21	15°26	29°29	29°57	26°12	2°15	18°50	20°36	14°19	n.a.	S 11
S 12	8 55 36	15°53'25	16° 3	20°52	5°58	2° 6	15°36	29°32	29°59	26°11	2°16	18°D49	20°33	14°25	n.a.	S 12
M13	8 59 33	16°52'57	27°50	22°51	7°12	2°52	15°46	29°35	0♉ 2	26° 9	2°18	18°49	20°30	14°32	n.a.	M13
T 14	9 3 29	17°52'27	9♎38	24°51	8°26	3°38	15°57	29°39	0° 5	26° 7	2°19	18°51	20°27	14°39	n.a.	T 14
W15	9 7 26	18°51'55	21°31	26°51	9°41	4°24	16° 7	29°42	0° 7	26° 6	2°21	18°53	20°23	14°45	n.a.	W15
T 16	9 11 22	19°51'21	3♏34	28°51	10°55	5°10	16°17	29°44	0°10	26° 4	2°22	18°54	20°20	14°52	n.a.	T 16
F 17	9 15 19	20°50'45	15°51	0♓49	12°10	5°56	16°28	29°47	0°13	26° 3	2°23	18°R55	20°17	14°59	n.a.	F 17
S 18	9 19 15	21°50'07	28°26	2°47	13°24	6°42	16°39	29°50	0°15	26° 1	2°25	18°55	20°14	15° 5	n.a.	S 18
S 19	9 23 12	22°49'28	11♐26	4°43	14°38	7°28	16°49	29°53	0°18	25°59	2°26	18°54	20°11	15°12	n.a.	S 19
M20	9 27 8	23°48'47	24°51	6°38	15°53	8°14	17° 0	29°55	0°20	25°58	2°27	18°51	20° 7	15°19	n.a.	M20
T 21	9 31 5	24°48'04	8♉44	8°30	17° 7	9° 0	17°11	29°58	0°22	25°56	2°29	18°48	20° 4	15°25	n.a.	T 21
W22	9 35 2	25°47'18	23° 5	10°19	18°22	9°46	17°22	29°59	0°25	25°54	2°30	18°45	20° 1	15°32	n.a.	W22
T 23	9 38 58	26°46'31	7♒49	12° 6	19°36	10°32	17°33	0♐ 2	0°27	25°53	2°31	18°42	19°58	15°38	n.a.	T 23
F 24	9 42 55	27°45'42	22°49	13°49	20°50	11°18	17°45	0° 4	0°29	25°51	2°32	18°40	19°55	15°45	n.a.	F 24
S 25	9 46 51	28°44'50	7♓58	15°28	22° 5	12° 4	17°56	0° 6	0°32	25°49	2°34	18°38	19°52	15°52	n.a.	S 25
S 26	9 50 48	29°43'57	23° 5	17° 2	23°19	12°50	18° 7	0° 8	0°34	25°48	2°35	18°D38	19°48	15°58	n.a.	S 26
M27	9 54 44	0♓43'01	8♈ 2	18°33	24°33	13°35	18°19	0°10	0°36	25°46	2°36	18°39	19°45	16° 5	n.a.	M27
T 28	9 58 41	1°42'02	22°42	19°58	25°47	14°21	18°30	0°12	0°38	25°44	2°37	18°40	19°42	16°12	n.a.	T 28
W29	10 2 37	2♓41'01	7♉ 0	21♓18	27♒ 2	15♉ 7	18♈42	0♐14	0♉40	25♎43	2♉38	18♓41	19♓39	16♍18	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s18	13n35	3n10	22s29	2s 0	22s53	1s 0	24s15	0s37	4n35	1s 2	18s45	1n28	24s 7	0s21	14n13	1n26	28s49	5s 3	4s11	3s34	7n21		n.a.
T 2	19 3	19 10	4 3	22 2	1 59	22 42	1 1	24 18	0 38	4 39	1 2	18 46	1 28	24 7	0 21	14 13	1 26	28 49	5 3	4 11	3 35	7 17		n.a.
F 3	18 48	23 41	4 41	21 34	1 56	22 30	1 3	24 20	0 39	4 43	1 2	18 47	1 29	24 7	0 21	14 14	1 26	28 49	5 3	4 12	3 36	7 14		n.a.
S 4	18 33	26 52	5 3	21 4	1 53	22 18	1 4	24 23	0 39	4 47	1 2	18 48	1 29	24 7	0 21	14 14	1 26	28 49	5 3	4 13	3 38	7 11		n.a.
S 5	18 17	28 35	5 10	20 31	1 50	22 5	1 6	24 25	0 40	4 51	1 1	18 48	1 29	24 7	0 21	14 15	1 26	28 49	5 4	4 15	3 39	7 7		n.a.
M 6	18 1	28 45	5 1	19 57	1 46	21 51	1 7	24 26	0 41	4 54	1 1	18 49	1 29	24 7	0 21	14 16	1 26	28 50	5 4	4 18	3 40	7 4		n.a.
T 7	17 44	27 25	4 37	19 21	1 41	21 37	1 9	24 28	0 42	4 58	1 1	18 50	1 29	24 8	0 21	14 16	1 26	28 50	5 4	4 21	3 41	7 0		n.a.
W 8	17 28	24 46	4 1	18 42	1 36	21 22	1 10	24 29	0 43	5 2	1 1	18 51	1 29	24 8	0 21	14 17	1 26	28 50	5 4	4 23	3 43	6 57		n.a.
T 9	17 11	21 2	3 15	18 2	1 30	21 6	1 12	24 30	0 43	5 6	1 0	18 51	1 29	24 8	0 21	14 17	1 26	28 50	5 4	4 26	3 44	6 54		n.a.
F 10	16 53	16 28	2 20	17 20	1 24	20 50	1 13	24 31	0 44	5 10	1 0	18 52	1 29	24 8	0 21	14 18	1 26	28 50	5 4	4 28	3 45	6 50		n.a.
S 11	16 36	11 19	1 19	16 36	1 17	20 33	1 14	24 32	0 45	5 14	1 0	18 53	1 29	24 8	0 21	14 18	1 26	28 50	5 5	4 29	3 47	6 47		n.a.
S 12	16 18	5 49	0 15	15 51	1 10	20 16	1 15	24 32	0 46	5 19	1 0	18 53	1 29	24 8	0 21	14 19	1 26	28 50	5 5	4 29	3 48	6 43		n.a.
M13	16 0	0 7	0s49	15 3	1 1	19 58	1 16	24 32	0 47	5 23	0 59	18 54	1 29	24 8	0 21	14 20	1 26	28 51	5 5	4 29	3 49	6 40		n.a.
T 14	15 42	5s35	1 52	14 15	0 53	19 39	1 17	24 31	0 47	5 27	0 59	18 54	1 29	24 8	0 21	14 20	1 26	28 51	5 5	4 28	3 50	6 37		n.a.
W15	15 23	11 7	2 50	13 25	0 43	19 20	1 18	24 31	0 48	5 31	0 59	18 55	1 29	24 8	0 21	14 21	1 26	28 51	5 5	4 28	3 52	6 33		n.a.
T 16	15 4	16 20	3 41	12 34	0 33	19 0	1 19	24 30	0 49	5 36	0 59	18 56	1 30	24 8	0 21	14 21	1 26	28 51	5 5	4 27	3 53	6 30		n.a.
F 17	14 45	21 1	4 24	11 42	0 23	18 40	1 20	24 29	0 50	5 40	0 59	18 56	1 30	24 8	0 21	14 22	1 26	28 51	5 6	4 27	3 54	6 26		n.a.
S 18	14 26	24 53	4 55	10 49	0 12	18 20	1 21	24 27	0 51	5 44	0 58	18 57	1 30	24 8	0 21	14 22	1 26	28 51	5 6	4 27	3 55	6 23		n.a.
S 19	14 6	27 37	5 12	9 56	0 1	17 58	1 22	24 25	0 51	5 49	0 58	18 57	1 30	24 8	0 21	14 23	1 26	28 51	5 6	4 27	3 57	6 20		n.a.
M20	13 46	28 53	5 13	9 2	0n11	17 37	1 22	24 23	0 52	5 53	0 58	18 58	1 30	24 8	0 21	14 24	1 26	28 52	5 6	4 28	3 58	6 16		n.a.
T 21	13 26	28 24	4 56	8 9	0 23	17 14	1 23	24 21	0 53	5 57	0 58	18 58	1 30	24 8	0 21	14 24	1 26	28 52	5 6	4 29	3 59	6 13		n.a.
W22	13 6	26 3	4 20	7 15	0 36	16 52	1 23	24 19	0 54	6 2	0 58	18 58	1 30	24 8	0 21	14 25	1 26	28 52	5 7	4 31	4 0	6 9		n.a.
T 23	12 46	21 54	3 27	6 23	0 48	16 29	1 24	24 16	0 55	6 6	0 57	18 59	1 30	24 8	0 21	14 25	1 26	28 52	5 7	4 32	4 2	6 6		n.a.
F 24	12 25	16 16	2 18	5 32	1 1	16 5	1 24	24 13	0 55	6 11	0 57	18 59	1 30	24 8	0 21	14 26	1 26	28 52	5 7	4 33	4 3	6 2		n.a.
S 25	12 5	9 36	0 59	4 41	1 13	15 41	1 25	24 9	0 56	6 15	0 57	19 0	1 30	24 8	0 21	14 27	1 26	28 52	5 7	4 33	4 4	5 59		n.a.
S 26	11 44	2 25	0n25	3 53	1 26	15 16	1 25	24 6	0 57	6 20	0 57	19 0	1 30	24 8	0 21	14 27	1 26	28 53	5 7	4 33	4 6	5 56		n.a.
M27	11 23	4n50	1 45	3 6	1 38	14 52	1 25	24 2	0 58	6 25	0 56	19 0	1 30	24 8	0 21	14 28	1 26	28 53	5 8	4 33	4 7	5 52		n.a.
T 28	11 1	11 41	2 57	2 21	1 50	14 26	1 25	23 58	0 59	6 29	0 56	19 1	1 31	24 8	0 21	14 28	1 26	28 53	5 8	4 33	4 8	5 49		n.a.
W29	10s40	17n46	3n57	1s38	2n 2	14s 1	1s25	23s54	0s59	6n34	0s56	19s 1	1n31	24s 8	0s21	14n29	1n26	28s53	5s 8	4s32	4s 9	5n45		n.a.

Julian Day Number = 1468335.5, Delta T = 05h33m13s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'36, Lahiri = -13°31'35 Julian Calendar 1 Feb. 693 BCE == Greg. Calendar 25 Jan. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

MARCH 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 6 34	3♓39'58	20♉54	22♓32	28♒16	15♑53	18♈54	0♐15	0♑42	25°R41	2♑39	18♓42	19♓36	16♍25	n.a.	T 1
F 2	10 10 31	4°38'53	4♊25	23°41	29°30	16°39	19° 6	0°17	0°44	25♌40	2°40	18°R42	19°33	16°32	n.a.	F 2
S 3	10 14 27	5°37'45	17°33	24°44	0♓44	17°25	19°18	0°18	0°46	25°38	2°41	18°42	19°29	16°38	n.a.	S 3
S 4	10 18 24	6°36'35	0♋21	25°41	1°59	18°11	19°30	0°20	0°48	25°36	2°42	18°41	19°26	16°45	n.a.	S 4
M 5	10 22 20	7°35'22	12°52	26°31	3°13	18°57	19°42	0°21	0°50	25°35	2°43	18°40	19°23	16°52	n.a.	M 5
T 6	10 26 17	8°34'07	25°10	27°15	4°27	19°43	19°54	0°22	0°52	25°33	2°44	18°39	19°20	16°58	n.a.	T 6
W 7	10 30 13	9°32'49	7♌17	27°53	5°41	20°29	20° 6	0°23	0°54	25°31	2°45	18°37	19°17	17° 5	n.a.	W 7
T 8	10 34 10	10°31'30	19°15	28°24	6°55	21°15	20°18	0°24	0°55	25°30	2°46	18°36	19°13	17°12	n.a.	T 8
F 9	10 38 6	11°30'08	1♍ 8	28°48	8° 9	22° 1	20°30	0°25	0°57	25°28	2°47	18°35	19°10	17°18	n.a.	F 9
S 10	10 42 3	12°28'44	12°57	29° 6	9°23	22°46	20°43	0°26	0°59	25°27	2°48	18°D35	19° 7	17°25	n.a.	S 10
S 11	10 46 0	13°27'18	24°44	29°18	10°38	23°32	20°55	0°26	1° 0	25°25	2°49	18°35	19° 4	17°31	n.a.	S 11
M12	10 49 56	14°25'50	6♎33	29°R23	11°52	24°18	21° 8	0°27	1° 2	25°24	2°50	18°35	19° 1	17°38	n.a.	M12
T 13	10 53 53	15°24'20	18°25	29°22	13° 6	25° 4	21°20	0°27	1° 3	25°22	2°50	18°36	18°58	17°45	n.a.	T 13
W14	10 57 49	16°22'48	0♏23	29°15	14°20	25°50	21°33	0°27	1° 5	25°21	2°51	18°36	18°54	17°51	n.a.	W14
T 15	11 1 46	17°21'14	12°30	29° 2	15°34	26°36	21°45	0°28	1° 6	25°19	2°52	18°36	18°51	17°58	n.a.	T 15
F 16	11 5 42	18°19'39	24°50	28°44	16°48	27°21	21°58	0°28	1° 8	25°18	2°53	18°R36	18°48	18° 5	n.a.	F 16
S 17	11 9 39	19°18'02	7♐26	28°22	18° 2	28° 7	22°11	0°R28	1° 9	25°16	2°53	18°36	18°45	18°11	n.a.	S 17
S 18	11 13 35	20°16'23	20°22	27°54	19°16	28°53	22°24	0°28	1°10	25°15	2°54	18°D36	18°42	18°18	n.a.	S 18
M19	11 17 32	21°14'43	3♑41	27°23	20°30	29°39	22°37	0°28	1°12	25°13	2°55	18°36	18°39	18°25	n.a.	M19
T 20	11 21 28	22°13'01	17°25	26°49	21°44	0♒25	22°50	0°27	1°13	25°12	2°55	18°36	18°35	18°31	n.a.	T 20
W21	11 25 25	23°11'17	1♒34	26°12	22°58	1°10	23° 3	0°27	1°14	25°10	2°56	18°37	18°32	18°38	n.a.	W21
T 22	11 29 22	24° 9'32	16° 8	25°33	24°12	1°56	23°16	0°27	1°15	25° 9	2°56	18°37	18°29	18°45	n.a.	T 22
F 23	11 33 18	25° 7'45	1♓ 1	24°53	25°26	2°42	23°29	0°26	1°16	25° 7	2°57	18°38	18°26	18°51	n.a.	F 23
S 24	11 37 15	26° 5'56	16° 8	24°13	26°40	3°27	23°42	0°26	1°17	25° 6	2°57	18°R38	18°23	18°58	n.a.	S 24
S 25	11 41 11	27° 4'06	1♈20	23°33	27°54	4°13	23°55	0°25	1°18	25° 5	2°58	18°38	18°19	19° 4	n.a.	S 25
M26	11 45 8	28° 2'13	16°26	22°54	29° 8	4°59	24° 8	0°24	1°19	25° 3	2°58	18°37	18°16	19°11	n.a.	M26
T 27	11 49 4	29° 0'19	1♉19	22°17	0♈22	5°44	24°21	0°23	1°20	25° 2	2°59	18°36	18°13	19°18	n.a.	T 27
W28	11 53 1	29°58'22	15°51	21°42	1°36	6°30	24°35	0°22	1°21	25° 1	2°59	18°35	18°10	19°24	n.a.	W28
T 29	11 56 57	0♈56'24	29°57	21°10	2°50	7°15	24°48	0°21	1°21	24°59	2°59	18°33	18° 7	19°31	n.a.	T 29
F 30	12 0 54	1°54'24	13♊36	20°41	4° 4	8° 1	25° 1	0°20	1°22	24°58	3° 0	18°32	18° 4	19°38	n.a.	F 30
S 31	12 4 51	2♈52'22	26♊49	20♓16	5♈18	8♒46	25♈15	0♐18	1♑23	24♌57	3♑ 0	18♓32	18♓ 0	19♍44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s18	22n44	4n40	0s58	2n13	13s35	1s25	23s49	1s 0	6n39	0s56	19s 1	1n31	24s 8	0s21	14n29	1n26	28s53	5s 8	4s32	4s11	5n42		n.a.
F 2	9 57	26 21	5 7	0 21	2 23	13 8	1 25	23 44	1 1	6 43	0 56	19 1	1 31	24 8	0 21	14 30	1 26	28 54	5 8	4 32	4 12	5 38		n.a.
S 3	9 35	28 26	5 17	0n13	2 33	12 42	1 25	23 39	1 2	6 48	0 56	19 2	1 31	24 8	0 21	14 31	1 26	28 54	5 9	4 32	4 13	5 35		n.a.
S 4	9 13	28 57	5 10	0 44	2 43	12 15	1 25	23 33	1 2	6 53	0 55	19 2	1 31	24 8	0 21	14 31	1 26	28 54	5 9	4 32	4 14	5 32		n.a.
M 5	8 51	27 57	4 49	1 12	2 51	11 47	1 25	23 28	1 3	6 58	0 55	19 2	1 31	24 8	0 21	14 32	1 26	28 54	5 9	4 33	4 16	5 28		n.a.
T 6	8 28	25 35	4 15	1 37	2 59	11 20	1 25	23 22	1 4	7 2	0 55	19 2	1 31	24 8	0 21	14 32	1 26	28 54	5 9	4 33	4 17	5 25		n.a.
W 7	8 6	22 5	3 30	1 58	3 5	10 52	1 24	23 16	1 5	7 7	0 55	19 2	1 31	24 8	0 21	14 33	1 26	28 54	5 9	4 34	4 18	5 21		n.a.
T 8	7 44	17 43	2 36	2 16	3 11	10 23	1 24	23 9	1 5	7 12	0 55	19 2	1 31	24 8	0 21	14 33	1 26	28 55	5 10	4 34	4 19	5 18		n.a.
F 9	7 21	12 43	1 35	2 30	3 15	9 55	1 23	23 3	1 6	7 17	0 54	19 2	1 31	24 8	0 21	14 34	1 26	28 55	5 10	4 35	4 21	5 14		n.a.
S 10	6 58	7 16	0 31	2 40	3 19	9 26	1 23	22 56	1 7	7 22	0 54	19 2	1 31	24 8	0 21	14 34	1 26	28 55	5 10	4 35	4 22	5 11		n.a.
S 11	6 36	1 36	0s34	2 46	3 21	8 57	1 22	22 49	1 8	7 27	0 54	19 3	1 32	24 8	0 21	14 35	1 26	28 55	5 10	4 35	4 23	5 7		n.a.
M12	6 13	4s 8	1 38	2 49	3 21	8 28	1 22	22 41	1 8	7 32	0 54	19 3	1 32	24 8	0 21	14 35	1 26	28 55	5 10	4 35	4 24	5 4		n.a.
T 13	5 50	9 45	2 38	2 48	3 20	7 59	1 21	22 33	1 9	7 36	0 54	19 3	1 32	24 8	0 21	14 36	1 26	28 56	5 11	4 34	4 26	5 1		n.a.
W14	5 27	15 4	3 32	2 43	3 18	7 29	1 20	22 26	1 10	7 41	0 54	19 3	1 32	24 8	0 21	14 36	1 26	28 56	5 11	4 34	4 27	4 57		n.a.
T 15	5 4	19 53	4 17	2 35	3 15	6 59	1 19	22 18	1 11	7 46	0 53	19 3	1 32	24 8	0 21	14 37	1 26	28 56	5 11	4 34	4 28	4 54		n.a.
F 16	4 41	23 57	4 51	2 23	3 10	6 29	1 19	22 9	1 11	7 51	0 53	19 2	1 32	24 8	0 22	14 37	1 26	28 56	5 11	4 34	4 30	4 50		n.a.
S 17	4 18	26 59	5 12	2 8	3 3	5 59	1 18	22 1	1 12	7 56	0 53	19 2	1 32	24 8	0 22	14 38	1 26	28 56	5 12	4 34	4 31	4 47		n.a.
S 18	3 54	28 42	5 18	1 50	2 55	5 29	1 17	21 52	1 13	8 1	0 53	19 2	1 32	24 8	0 22	14 38	1 26	28 57	5 12	4 34	4 32	4 43		n.a.
M19	3 31	28 51	5 7	1 29	2 46	4 58	1 16	21 43	1 14	8 6	0 53	19 2	1 32	24 8	0 22	14 39	1 26	28 57	5 12	4 34	4 33	4 40		n.a.
T 20	3 8	27 14	4 39	1 5	2 35	4 28	1 14	21 34	1 14	8 11	0 53	19 2	1 32	24 8	0 22	14 39	1 26	28 57	5 12	4 34	4 35	4 37		n.a.
W21	2 44	23 52	3 53	0 39	2 23	3 57	1 13	21 24	1 15	8 16	0 52	19 2	1 32	24 8	0 22	14 40	1 26	28 57	5 12	4 34	4 36	4 33		n.a.
T 22	2 21	18 57	2 51	0 12	2 10	3 26	1 12	21 14	1 16	8 21	0 52	19 2	1 32	24 8	0 22	14 40	1 26	28 57	5 13	4 34	4 37	4 30		n.a.
F 23	1 58	12 46	1 36	0s17	1 56	2 55	1 11	21 5	1 16	8 26	0 52	19 2	1 32	24 8	0 22	14 41	1 26	28 58	5 13	4 34	4 38	4 26		n.a.
S 24	1 34	5 45	0 14	0 47	1 41	2 24	1 9	20 54	1 17	8 31	0 52	19 1	1 33	24 8	0 22	14 41	1 26	28 58	5 13	4 34	4 40	4 23		n.a.
S 25	1 11	1n36	1n10	1 17	1 26	1 53	1 8	20 44	1 18	8 36	0 52	19 1	1 33	24 8	0 22	14 42	1 26	28 58	5 13	4 34	4 41	4 19		n.a.
M26	0 47	8 50	2 28	1 48	1 9	1 22	1 7	20 34	1 18	8 41	0 52	19 1	1 33	24 8	0 22	14 42	1 26	28 58	5 14	4 34	4 42	4 16		n.a.
T 27	0 24	15 27	3 35	2 18	0 53	0 51	1 5	20 23	1 19	8 47	0 52	19 1	1 33	24 8	0 22	14 43	1 26	28 58	5 14	4 34	4 43	4 12		n.a.
W28	0 1	21 4	4 27	2 47	0 36	0 19	1 4	20 12	1 20	8 52	0 51	19 0	1 33	24 8	0 22	14 43	1 26	28 59	5 14	4 35	4 45	4 9		n.a.
T 29	0n23	25 19	5 0	3 15	0 20	0n12	1 2	20 1	1 21	8 57	0 51	19 0	1 33	24 8	0 22	14 43	1 26	28 59	5 14	4 35	4 46	4 5		n.a.
F 30	0 46	27 59	5 16	3 42	0 3	0 43	1 0	19 50	1 21	9 2	0 51	19 0	1 33	24 8	0 22	14 44	1 26	28 59	5 14	4 36	4 47	4 2		n.a.
S 31	1n 9	28n58	5n14	4s 7	0s13	1n14	0s59	19s38	1s22	9n 7	0s51	18s59	1n33	24s 8	0s22	14n44	1n26	28s59	5s15	4s36	4s48	3n59		n.a.

Julian Day Number = 1468364.5, Delta T = 05h33m11s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'32, Lahiri = -13°31'31 Julian Calendar 1 March 693 BCE == Greg. Calendar 23 Feb. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

APRIL 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 8 47	3♈50'18	9♋37	19°R54	6♈32	9♒32	25♈28	0°R17	1♑23	24°R56	3♑ 0	18°D32	17♓57	19♍51	n.a.	S 1
M 2	12 12 44	4°48'12	22° 5	19♓38	7°45	10°17	25°42	0♐16	1°24	24♎55	3° 1	18♓32	17°54	19°58	n.a.	M 2
T 3	12 16 40	5°46'04	4♎17	19°25	8°59	11° 3	25°55	0°14	1°24	24°53	3° 1	18°34	17°51	20° 4	n.a.	T 3
W 4	12 20 37	6°43'54	16°17	19°17	10°13	11°48	26° 9	0°12	1°25	24°52	3° 1	18°35	17°48	20°11	n.a.	W 4
T 5	12 24 33	7°41'42	28° 9	19°D14	11°27	12°33	26°22	0°11	1°25	24°51	3° 1	18°36	17°45	20°18	n.a.	T 5
F 6	12 28 30	8°39'28	9♍57	19°15	12°41	13°19	26°36	0° 9	1°26	24°50	3° 1	18°37	17°41	20°24	n.a.	F 6
S 7	12 32 26	9°37'13	21°44	19°22	13°54	14° 4	26°50	0° 7	1°26	24°49	3° 1	18°R38	17°38	20°31	n.a.	S 7
S 8	12 36 23	10°34'56	3♎33	19°32	15° 8	14°49	27° 3	0° 5	1°26	24°48	3° 2	18°37	17°35	20°38	n.a.	S 8
M 9	12 40 19	11°32'37	15°26	19°48	16°22	15°34	27°17	0° 3	1°26	24°47	3° 2	18°35	17°32	20°44	n.a.	M 9
T 10	12 44 16	12°30'17	27°26	20° 8	17°36	16°20	27°31	0° 1	1°27	24°46	3° 2	18°32	17°29	20°51	n.a.	T 10
W11	12 48 13	13°27'56	9♏34	20°32	18°50	17° 5	27°44	29♏58	1°27	24°45	3°R 2	18°28	17°25	20°57	n.a.	W11
T 12	12 52 9	14°25'34	21°52	21° 0	20° 3	17°50	27°58	29°56	1°27	24°44	3° 2	18°24	17°22	21° 4	n.a.	T 12
F 13	12 56 6	15°23'10	4♐22	21°33	21°17	18°35	28°12	29°53	1°R27	24°43	3° 2	18°20	17°19	21°11	n.a.	F 13
S 14	13 0 2	16°20'45	17° 6	22° 9	22°31	19°20	28°25	29°51	1°27	24°42	3° 2	18°16	17°16	21°17	n.a.	S 14
S 15	13 3 59	17°18'19	0♑ 5	22°50	23°44	20° 5	28°39	29°48	1°27	24°41	3° 1	18°14	17°13	21°24	n.a.	S 15
M16	13 7 55	18°15'52	13°22	23°34	24°58	20°50	28°53	29°46	1°27	24°40	3° 1	18°D13	17°10	21°31	n.a.	M16
T 17	13 11 52	19°13'24	26°59	24°22	26°12	21°35	29° 7	29°43	1°26	24°40	3° 1	18°13	17° 6	21°37	n.a.	T 17
W18	13 15 48	20°10'55	10♒57	25°13	27°26	22°19	29°21	29°40	1°26	24°39	3° 1	18°14	17° 3	21°44	n.a.	W18
T 19	13 19 45	21° 8'25	25°15	26° 8	28°39	23° 4	29°35	29°37	1°26	24°38	3° 1	18°15	17° 0	21°51	n.a.	T 19
F 20	13 23 42	22° 5'54	9♓52	27° 6	29°53	23°49	29°48	29°34	1°26	24°37	3° 1	18°16	16°57	21°57	n.a.	F 20
S 21	13 27 38	23° 3'22	24°43	28° 7	1♉ 7	24°34	0♉ 2	29°31	1°25	24°37	3° 0	18°R17	16°54	22° 4	n.a.	S 21
S 22	13 31 35	24° 0'49	9♈43	29°12	2°20	25°18	0°16	29°28	1°25	24°36	3° 0	18°15	16°50	22°11	n.a.	S 22
M23	13 35 31	24°58'15	24°43	0♈19	3°34	26° 3	0°30	29°25	1°24	24°35	3° 0	18°12	16°47	22°17	n.a.	M23
T 24	13 39 28	25°55'40	9♉34	1°30	4°47	26°47	0°44	29°22	1°24	24°35	2°59	18° 7	16°44	22°24	n.a.	T 24
W25	13 43 24	26°53'03	24° 9	2°43	6° 1	27°32	0°58	29°18	1°23	24°34	2°59	18° 2	16°41	22°30	n.a.	W25
T 26	13 47 21	27°50'26	8♊20	3°59	7°15	28°16	1°12	29°15	1°23	24°34	2°59	17°56	16°38	22°37	n.a.	T 26
F 27	13 51 17	28°47'48	22° 6	5°18	8°28	29° 1	1°26	29°12	1°22	24°33	2°58	17°50	16°35	22°44	n.a.	F 27
S 28	13 55 14	29°45'08	5♋23	6°40	9°42	29°45	1°39	29° 8	1°21	24°33	2°58	17°46	16°31	22°50	n.a.	S 28
S 29	13 59 11	0♉42'27	18°15	8° 4	10°56	0♓29	1°53	29° 5	1°20	24°32	2°57	17°44	16°28	22°57	n.a.	S 29
M30	14 3 7	1♉39'45	0♎45	9♈31	12♉ 9	1♓14	2♉ 7	29♏ 1	1♑20	24♎32	2♑57	17°D43	16♓25	23♍ 4	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n33	28n21	4n56	4s30	0s29	1n45	0s57	19s27	1s23	9n12	0s51	18s59	1n33	24s 8	0s22	14n45	1n26	29s 0	5s15	4s36	4s50	3n55		n.a.
M 2	1 56	26 17	4 24	4 51	0 45	2 17	0 55	19 15	1 23	9 17	0 51	18 59	1 33	24 8	0 22	14 45	1 26	29 0	5 15	4 36	4 51	3 52		n.a.
T 3	2 19	23 2	3 41	5 10	1 0	2 48	0 53	19 3	1 24	9 22	0 51	18 58	1 33	24 8	0 22	14 45	1 26	29 0	5 15	4 35	4 52	3 48		n.a.
W 4	2 43	18 52	2 50	5 26	1 14	3 19	0 52	18 51	1 24	9 27	0 51	18 58	1 33	24 8	0 22	14 46	1 26	29 0	5 16	4 35	4 53	3 45		n.a.
T 5	3 6	14 1	1 51	5 39	1 27	3 50	0 50	18 38	1 25	9 32	0 50	18 57	1 33	24 8	0 22	14 46	1 26	29 0	5 16	4 34	4 55	3 41		n.a.
F 6	3 29	8 41	0 48	5 50	1 40	4 21	0 48	18 26	1 26	9 37	0 50	18 57	1 33	24 8	0 22	14 47	1 26	29 1	5 16	4 34	4 56	3 38		n.a.
S 7	3 52	3 4	0s17	5 59	1 52	4 52	0 46	18 13	1 26	9 42	0 50	18 56	1 34	24 9	0 22	14 47	1 26	29 1	5 16	4 34	4 57	3 34		n.a.
S 8	4 15	2s40	1 21	6 5	2 3	5 22	0 44	18 0	1 27	9 47	0 50	18 56	1 34	24 9	0 22	14 47	1 26	29 1	5 16	4 34	4 58	3 31		n.a.
M 9	4 38	8 21	2 22	6 8	2 13	5 53	0 42	17 47	1 28	9 53	0 50	18 56	1 34	24 9	0 22	14 48	1 26	29 1	5 17	4 35	5 0	3 27		n.a.
T 10	5 1	13 46	3 18	6 8	2 22	6 24	0 40	17 34	1 28	9 58	0 50	18 55	1 34	24 9	0 22	14 48	1 26	29 2	5 17	4 36	5 1	3 24		n.a.
W11	5 23	18 44	4 5	6 6	2 31	6 54	0 38	17 21	1 29	10 3	0 50	18 54	1 34	24 9	0 22	14 48	1 26	29 2	5 17	4 37	5 2	3 21		n.a.
T 12	5 46	23 0	4 41	6 2	2 38	7 24	0 35	17 7	1 29	10 8	0 50	18 54	1 34	24 9	0 22	14 48	1 26	29 2	5 17	4 39	5 3	3 17		n.a.
F 13	6 8	26 18	5 4	5 55	2 45	7 54	0 33	16 54	1 30	10 13	0 49	18 53	1 34	24 9	0 22	14 49	1 26	29 2	5 18	4 41	5 5	3 14		n.a.
S 14	6 31	28 20	5 13	5 46	2 51	8 24	0 31	16 40	1 30	10 18	0 49	18 53	1 34	24 9	0 22	14 49	1 26	29 2	5 18	4 42	5 6	3 10		n.a.
S 15	6 53	28 54	5 7	5 34	2 56	8 54	0 29	16 26	1 31	10 23	0 49	18 52	1 34	24 9	0 22	14 49	1 26	29 3	5 18	4 43	5 7	3 7		n.a.
M16	7 16	27 48	4 44	5 20	3 0	9 23	0 27	16 12	1 32	10 28	0 49	18 52	1 34	24 9	0 22	14 50	1 26	29 3	5 18	4 43	5 9	3 3		n.a.
T 17	7 38	25 3	4 5	5 4	3 3	9 53	0 24	15 58	1 32	10 33	0 49	18 51	1 34	24 9	0 22	14 50	1 26	29 3	5 18	4 43	5 10	3 0		n.a.
W18	8 0	20 47	3 10	4 46	3 6	10 22	0 22	15 44	1 33	10 38	0 49	18 50	1 34	24 9	0 22	14 50	1 26	29 3	5 19	4 43	5 11	2 56		n.a.
T 19	8 22	15 13	2 3	4 25	3 8	10 50	0 20	15 29	1 33	10 43	0 49	18 50	1 34	24 9	0 22	14 50	1 26	29 4	5 19	4 42	5 12	2 53		n.a.
F 20	8 44	8 41	0 46	4 3	3 9	11 19	0 17	15 15	1 34	10 48	0 49	18 49	1 34	24 9	0 22	14 50	1 25	29 4	5 19	4 42	5 14	2 49		n.a.
S 21	9 5	1 35	0n35	3 38	3 9	11 47	0 15	15 0	1 34	10 53	0 49	18 48	1 34	24 9	0 22	14 51	1 25	29 4	5 19	4 42	5 15	2 46		n.a.
S 22	9 27	5n39	1 54	3 12	3 8	12 15	0 13	14 45	1 35	10 58	0 49	18 48	1 34	24 9	0 23	14 51	1 25	29 4	5 20	4 43	5 16	2 42		n.a.
M23	9 48	12 34	3 6	2 44	3 7	12 43	0 10	14 30	1 35	11 3	0 48	18 47	1 34	24 9	0 23	14 51	1 25	29 4	5 20	4 44	5 17	2 39		n.a.
T 24	10 9	18 43	4 3	2 14	3 5	13 11	0 8	14 15	1 36	11 8	0 48	18 46	1 34	24 9	0 23	14 51	1 25	29 5	5 20	4 46	5 19	2 36		n.a.
W25	10 30	23 39	4 44	1 42	3 3	13 38	0 6	14 0	1 36	11 13	0 48	18 45	1 34	24 9	0 23	14 51	1 25	29 5	5 20	4 48	5 20	2 32		n.a.
T 26	10 51	27 3	5 6	1 8	3 0	14 5	0 3	13 45	1 37	11 18	0 48	18 45	1 34	24 9	0 23	14 52	1 25	29 5	5 20	4 50	5 21	2 29		n.a.
F 27	11 12	28 41	5 10	0 33	2 56	14 31	0 1	13 30	1 37	11 23	0 48	18 44	1 34	24 9	0 23	14 52	1 25	29 5	5 21	4 52	5 22	2 25		n.a.
S 28	11 33	28 36	4 56	0n 4	2 51	14 57	0n 2	13 14	1 38	11 28	0 48	18 43	1 34	24 9	0 23	14 52	1 25	29 6	5 21	4 54	5 24	2 22		n.a.
S 29	11 53	26 56	4 28	0 42	2 46	15 23	0 4	12 59	1 38	11 33	0 48	18 42	1 34	24 9	0 23	14 52	1 25	29 6	5 21	4 55	5 25	2 18		n.a.
M30	12n13	23n58	3n47	1n22	2s41	15n48	0n 7	12s44	1s39	11n38	0s48	18s42	1n34	24s 9	0s23	14n52	1n25	29s 6	5s21	4s55	5s26	2n15		n.a.

Julian Day Number = 1468395.5, Delta T = 05h33m10s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'28, Lahiri = -13°31'27 Julian Calendar 1 Apr. 693 BCE == Greg. Calendar 25 March 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

MAY 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 7 4	2♉37'01	12♌56	11♈ 1	13♉23	1♓58	2♉21	28°R57	1°R19	24°R31	2°R56	17♓43	16♓22	23♍10	n.a.	T 1
W 2	14 11 0	3°34'17	24°54	12°34	14°36	2°42	2°35	28♏54	1♑18	24♌31	2♑56	17°45	16°19	23°17	n.a.	W 2
T 3	14 14 57	4°31'31	6♍44	14° 9	15°50	3°26	2°49	28°50	1°17	24°31	2°55	17°46	16°16	23°24	n.a.	T 3
F 4	14 18 53	5°28'45	18°31	15°47	17° 3	4°10	3° 3	28°46	1°16	24°30	2°55	17°R46	16°12	23°30	n.a.	F 4
S 5	14 22 50	6°25'57	0♎20	17°27	18°17	4°54	3°17	28°42	1°15	24°30	2°54	17°45	16° 9	23°37	n.a.	S 5
S 6	14 26 47	7°23'09	12°13	19°10	19°30	5°37	3°31	28°38	1°14	24°30	2°53	17°43	16° 6	23°44	n.a.	S 6
M 7	14 30 43	8°20'19	24°13	20°55	20°44	6°21	3°44	28°34	1°13	24°30	2°53	17°38	16° 3	23°50	n.a.	M 7
T 8	14 34 40	9°17'29	6♏24	22°44	21°57	7° 5	3°58	28°30	1°12	24°29	2°52	17°30	16° 0	23°57	n.a.	T 8
W 9	14 38 36	10°14'39	18°46	24°34	23°11	7°49	4°12	28°26	1°10	24°29	2°51	17°22	15°56	24° 4	n.a.	W 9
T 10	14 42 33	11°11'48	1♐20	26°27	24°24	8°32	4°26	28°22	1° 9	24°29	2°51	17°12	15°53	24°10	n.a.	T 10
F 11	14 46 29	12° 8'56	14° 7	28°23	25°38	9°16	4°40	28°18	1° 8	24°29	2°50	17° 3	15°50	24°17	n.a.	F 11
S 12	14 50 26	13° 6'05	27° 6	0♑20	26°51	9°59	4°54	28°14	1° 7	24°29	2°49	16°55	15°47	24°23	n.a.	S 12
S 13	14 54 22	14° 3'13	10♑17	2°20	28° 5	10°42	5° 7	28°10	1° 5	24°D29	2°48	16°48	15°44	24°30	n.a.	S 13
M14	14 58 19	15° 0'20	23°42	4°22	29°18	11°26	5°21	28° 5	1° 4	24°29	2°47	16°44	15°41	24°37	n.a.	M14
T 15	15 2 16	15°57'28	7♒20	6°26	0♊31	12° 9	5°35	28° 1	1° 2	24°29	2°47	16°42	15°37	24°43	n.a.	T 15
W16	15 6 12	16°54'35	21°12	8°32	1°45	12°52	5°49	27°57	1° 1	24°29	2°46	16°D42	15°34	24°50	n.a.	W16
T 17	15 10 9	17°51'42	5♓19	10°39	2°58	13°35	6° 2	27°53	0°59	24°29	2°45	16°42	15°31	24°57	n.a.	T 17
F 18	15 14 5	18°48'49	19°38	12°47	4°12	14°18	6°16	27°48	0°58	24°29	2°44	16°R43	15°28	25° 3	n.a.	F 18
S 19	15 18 2	19°45'57	4♈ 9	14°57	5°25	15° 1	6°30	27°44	0°56	24°30	2°43	16°42	15°25	25°10	n.a.	S 19
S 20	15 21 58	20°43'04	18°48	17° 7	6°39	15°44	6°44	27°40	0°55	24°30	2°42	16°38	15°22	25°17	n.a.	S 20
M21	15 25 55	21°40'11	3♉28	19°18	7°52	16°27	6°57	27°35	0°53	24°30	2°41	16°32	15°18	25°23	n.a.	M21
T 22	15 29 51	22°37'18	18° 4	21°29	9° 5	17° 9	7°11	27°31	0°51	24°30	2°40	16°24	15°15	25°30	n.a.	T 22
W23	15 33 48	23°34'25	2♊27	23°40	10°19	17°52	7°24	27°26	0°50	24°31	2°39	16°14	15°12	25°37	n.a.	W23
T 24	15 37 45	24°31'32	16°32	25°51	11°32	18°34	7°38	27°22	0°48	24°31	2°38	16° 4	15° 9	25°43	n.a.	T 24
F 25	15 41 41	25°28'39	0♋15	28° 1	12°45	19°17	7°52	27°18	0°46	24°31	2°37	15°54	15° 6	25°50	n.a.	F 25
S 26	15 45 38	26°25'45	13°32	0♊10	13°59	19°59	8° 5	27°13	0°44	24°32	2°36	15°46	15° 2	25°57	n.a.	S 26
S 27	15 49 34	27°22'51	26°25	2°18	15°12	20°41	8°19	27° 9	0°42	24°32	2°35	15°40	14°59	26° 3	n.a.	S 27
M28	15 53 31	28°19'57	8♌55	4°25	16°25	21°24	8°32	27° 4	0°41	24°33	2°34	15°36	14°56	26°10	n.a.	M28
T 29	15 57 27	29°17'03	21° 7	6°31	17°39	22° 6	8°45	27° 0	0°39	24°33	2°33	15°34	14°53	26°16	n.a.	T 29
W30	16 1 24	0♊14'08	3♍ 6	8°35	18°52	22°48	8°59	26°56	0°37	24°34	2°32	15°D34	14°50	26°23	n.a.	W30
T 31	16 5 21	1♊11'14	14♍57	10♊37	20♊ 5	23♓29	9♉12	26♏51	0♑35	24♌34	2♑31	15°R34	14♓47	26♍30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	12n33	20n 0	2n57	2n 4	2s34	16n13	0n 9	12s28	1s39	11n43	0s48	18s41	1n34	24s 9	0s23	14n52	1n25	29s 6	5s21	4s55	5s27	2n11			n.a.
W 2	12 53	15 18	2 1	2 46	2 27	16 38	0 11	12 12	1 40	11 48	0 48	18 40	1 34	24 9	0 23	14 52	1 25	29 7	5 22	4 55	5 29	2 8			n.a.
T 3	13 13	10 5	0 59	3 30	2 20	17 2	0 14	11 56	1 40	11 53	0 48	18 39	1 34	24 9	0 23	14 52	1 25	29 7	5 22	4 54	5 30	2 4			n.a.
F 4	13 32	4 32	0s 4	4 16	2 12	17 26	0 16	11 41	1 40	11 58	0 47	18 38	1 34	24 9	0 23	14 52	1 25	29 7	5 22	4 54	5 31	2 1			n.a.
S 5	13 51	1s10	1 7	5 2	2 4	17 49	0 19	11 25	1 41	12 3	0 47	18 37	1 34	24 9	0 23	14 52	1 25	29 7	5 22	4 54	5 32	1 57			n.a.
S 6	14 10	6 51	2 8	5 50	1 55	18 12	0 21	11 9	1 41	12 7	0 47	18 37	1 34	24 9	0 23	14 53	1 25	29 7	5 23	4 55	5 34	1 54			n.a.
M 7	14 29	12 21	3 3	6 39	1 46	18 34	0 23	10 53	1 42	12 12	0 47	18 36	1 34	24 9	0 23	14 53	1 25	29 8	5 23	4 57	5 35	1 50			n.a.
T 8	14 48	17 28	3 51	7 28	1 36	18 56	0 26	10 37	1 42	12 17	0 47	18 35	1 34	24 9	0 23	14 53	1 25	29 8	5 23	5 0	5 36	1 47			n.a.
W 9	15 6	21 57	4 29	8 19	1 27	19 17	0 28	10 20	1 42	12 22	0 47	18 34	1 34	24 9	0 23	14 53	1 25	29 8	5 23	5 4	5 37	1 43			n.a.
T 10	15 24	25 31	4 54	9 10	1 16	19 38	0 31	10 4	1 43	12 27	0 47	18 33	1 34	24 10	0 23	14 53	1 25	29 8	5 23	5 7	5 39	1 40			n.a.
F 11	15 42	27 52	5 5	10 2	1 6	19 58	0 33	9 48	1 43	12 31	0 47	18 32	1 34	24 10	0 23	14 53	1 25	29 8	5 24	5 11	5 40	1 37			n.a.
S 12	16 0	28 46	5 1	10 54	0 55	20 18	0 35	9 32	1 43	12 36	0 47	18 31	1 34	24 10	0 23	14 53	1 25	29 9	5 24	5 14	5 41	1 33			n.a.
S 13	16 17	28 2	4 40	11 46	0 44	20 37	0 38	9 15	1 44	12 41	0 47	18 30	1 34	24 10	0 23	14 53	1 25	29 9	5 24	5 17	5 42	1 30			n.a.
M14	16 34	25 41	4 5	12 38	0 33	20 56	0 40	8 59	1 44	12 46	0 47	18 29	1 34	24 10	0 23	14 53	1 25	29 9	5 24	5 19	5 44	1 26			n.a.
T 15	16 51	21 50	3 14	13 31	0 22	21 14	0 42	8 42	1 44	12 50	0 47	18 28	1 34	24 10	0 23	14 52	1 25	29 9	5 24	5 19	5 45	1 23			n.a.
W16	17 8	16 43	2 12	14 22	0 11	21 32	0 44	8 26	1 45	12 55	0 47	18 28	1 34	24 10	0 23	14 52	1 25	29 10	5 25	5 19	5 46	1 19			n.a.
T 17	17 24	10 38	1 1	15 14	0 0	21 49	0 47	8 9	1 45	13 0	0 47	18 27	1 34	24 10	0 23	14 52	1 25	29 10	5 25	5 19	5 47	1 16			n.a.
F 18	17 40	3 55	0n16	16 4	0n10	22 5	0 49	7 53	1 45	13 4	0 47	18 26	1 34	24 10	0 23	14 52	1 24	29 10	5 25	5 19	5 49	1 12			n.a.
S 19	17 56	3n 4	1 32	16 53	0 21	22 21	0 51	7 36	1 46	13 9	0 46	18 25	1 34	24 10	0 23	14 52	1 24	29 10	5 25	5 20	5 50	1 9			n.a.
S 20	18 11	9 58	2 42	17 41	0 31	22 36	0 53	7 20	1 46	13 13	0 46	18 24	1 34	24 10	0 23	14 52	1 24	29 10	5 25	5 21	5 51	1 5			n.a.
M21	18 26	16 19	3 42	18 27	0 41	22 50	0 55	7 3	1 46	13 18	0 46	18 23	1 34	24 10	0 23	14 52	1 24	29 11	5 25	5 23	5 52	1 2			n.a.
T 22	18 41	21 43	4 27	19 12	0 50	23 4	0 57	6 46	1 46	13 23	0 46	18 22	1 34	24 10	0 23	14 52	1 24	29 11	5 26	5 26	5 54	0 58			n.a.
W23	18 56	25 45	4 54	19 55	0 59	23 17	0 59	6 30	1 47	13 27	0 46	18 21	1 34	24 10	0 23	14 52	1 24	29 11	5 26	5 30	5 55	0 55			n.a.
T 24	19 10	28 6	5 3	20 35	1 8	23 30	1 1	6 13	1 47	13 32	0 46	18 20	1 34	24 10	0 23	14 52	1 24	29 11	5 26	5 34	5 56	0 51			n.a.
F 25	19 24	28 40	4 53	21 13	1 15	23 42	1 3	5 56	1 47	13 36	0 46	18 19	1 33	24 10	0 23	14 51	1 24	29 11	5 26	5 38	5 57	0 48			n.a.
S 26	19 38	27 32	4 28	21 49	1 23	23 53	1 5	5 40	1 47	13 41	0 46	18 18	1 33	24 10	0 23	14 51	1 24	29 12	5 26	5 42	5 58	0 45			n.a.
S 27	19 51	24 56	3 50	22 22	1 29	24 3	1 7	5 23	1 48	13 45	0 46	18 17	1 33	24 10	0 23	14 51	1 24	29 12	5 26	5 44	6 0	0 41			n.a.
M28	20 4	21 12	3 2	22 53	1 35	24 13	1 9	5 6	1 48	13 49	0 46	18 16	1 33	24 10	0 23	14 51	1 24	29 12	5 27	5 45	6 1	0 38			n.a.
T 29	20 17	16 39	2 6	23 21	1 40	24 22	1 11	4 50	1 48	13 54	0 46	18 15	1 33	24 10	0 23	14 51	1 24	29 12	5 27	5 46	6 2	0 34			n.a.
W30	20 29	11 32	1 6	23 46	1 45	24 30	1 12	4 33	1 48	13 58	0 46	18 14	1 33	24 10	0 23	14 50	1 24	29 12	5 27	5 46	6 3	0 31			n.a.
T 31	20n41	6n 4	0n 3	24n 9	1n48	24n38	1n14	4s16	1s48	14n 3	0s46	18s13	1n33	24s10	0s23	14n50	1n24	29s12	5s27	5s46	6s 5	0n27			n.a.

Julian Day Number = 1468425.5, Delta T = 05h33m08s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'23, Lahiri = -13°31'23 Julian Calendar 1 May 693 BCE == Greg. Calendar 24 Apr. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

JUNE 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 9 17	2♊ 8'19	26♍45	12♊38	21♊19	24♓11	9♉25	26°R47	0°R33	24♌35	2°R29	15°R34	14♓43	26♍36	n.a.	F 1
S 2	16 13 14	3° 5'24	8♎35	14°37	22°32	24°53	9°39	26♏42	0♑31	24°35	2♑28	15♓32	14°40	26°43	n.a.	S 2
S 3	16 17 10	4° 2'29	20°33	16°34	23°45	25°34	9°52	26°38	0°29	24°36	2°27	15°27	14°37	26°50	n.a.	S 3
M 4	16 21 7	4°59'34	2♏41	18°30	24°58	26°16	10° 5	26°34	0°27	24°37	2°26	15°21	14°34	26°56	n.a.	M 4
T 5	16 25 3	5°56'40	15° 3	20°23	26°12	26°57	10°18	26°29	0°24	24°37	2°25	15°11	14°31	27° 3	n.a.	T 5
W 6	16 29 0	6°53'45	27°40	22°15	27°25	27°38	10°31	26°25	0°22	24°38	2°24	15° 0	14°28	27°10	n.a.	W 6
T 7	16 32 56	7°50'51	10♐33	24° 5	28°38	28°19	10°44	26°21	0°20	24°39	2°22	14°47	14°24	27°16	n.a.	T 7
F 8	16 36 53	8°47'58	23°40	25°53	29°51	29° 1	10°57	26°17	0°18	24°40	2°21	14°35	14°21	27°23	n.a.	F 8
S 9	16 40 50	9°45'05	7♑ 1	27°39	1♋ 4	29°41	11°10	26°12	0°16	24°41	2°20	14°24	14°18	27°30	n.a.	S 9
S 10	16 44 46	10°42'12	20°33	29°23	2°18	0♈22	11°23	26° 8	0°14	24°41	2°19	14°15	14°15	27°36	n.a.	S 10
M11	16 48 43	11°39'21	4♒15	1♋ 5	3°31	1° 3	11°36	26° 4	0°11	24°42	2°17	14° 9	14°12	27°43	n.a.	M11
T 12	16 52 39	12°36'29	18° 5	2°45	4°44	1°44	11°49	26° 0	0° 9	24°43	2°16	14° 6	14° 8	27°50	n.a.	T 12
W13	16 56 36	13°33'39	2♓ 1	4°23	5°57	2°24	12° 2	25°56	0° 7	24°44	2°15	14° 4	14° 5	27°56	n.a.	W13
T 14	17 0 32	14°30'50	16° 5	5°59	7°10	3° 5	12°15	25°52	0° 5	24°45	2°13	14° 4	14° 2	28° 3	n.a.	T 14
F 15	17 4 29	15°28'01	0♈14	7°34	8°23	3°45	12°27	25°48	0° 2	24°46	2°12	14° 4	13°59	28°10	n.a.	F 15
S 16	17 8 26	16°25'13	14°28	9° 6	9°36	4°25	12°40	25°44	0° 0	24°47	2°11	14° 2	13°56	28°16	n.a.	S 16
S 17	17 12 22	17°22'27	28°44	10°37	10°49	5° 5	12°52	25°40	29♐58	24°48	2°10	13°58	13°53	28°23	n.a.	S 17
M18	17 16 19	18°19'41	13♉ 1	12° 6	12° 3	5°45	13° 5	25°36	29°55	24°49	2° 8	13°51	13°49	28°29	n.a.	M18
T 19	17 20 15	19°16'57	27°12	13°32	13°16	6°25	13°17	25°32	29°53	24°51	2° 7	13°42	13°46	28°36	n.a.	T 19
W20	17 24 12	20°14'13	11♊13	14°57	14°29	7° 4	13°30	25°28	29°51	24°52	2° 5	13°31	13°43	28°43	n.a.	W20
T 21	17 28 8	21°11'30	25° 1	16°20	15°42	7°44	13°42	25°24	29°48	24°53	2° 4	13°19	13°40	28°49	n.a.	T 21
F 22	17 32 5	22° 8'48	8♋29	17°40	16°55	8°23	13°54	25°21	29°46	24°54	2° 3	13° 7	13°37	28°56	n.a.	F 22
S 23	17 36 1	23° 6'07	21°38	18°59	18° 8	9° 3	14° 7	25°17	29°44	24°55	2° 1	12°58	13°34	29° 3	n.a.	S 23
S 24	17 39 58	24° 3'27	4♌25	20°15	19°21	9°42	14°19	25°13	29°41	24°57	2° 0	12°50	13°30	29° 9	n.a.	S 24
M25	17 43 55	25° 0'47	16°53	21°29	20°34	10°21	14°31	25°10	29°39	24°58	1°59	12°45	13°27	29°16	n.a.	M25
T 26	17 47 51	25°58'08	29° 4	22°41	21°47	10°59	14°43	25° 6	29°36	24°59	1°57	12°43	13°24	29°23	n.a.	T 26
W27	17 51 48	26°55'30	11♍ 2	23°51	23° 0	11°38	14°55	25° 3	29°34	25° 1	1°56	12°D42	13°21	29°29	n.a.	W27
T 28	17 55 44	27°52'52	22°53	24°58	24°13	12°17	15° 7	25° 0	29°32	25° 2	1°55	12°R42	13°18	29°36	n.a.	T 28
F 29	17 59 41	28°50'15	4♎42	26° 2	25°26	12°55	15°18	24°56	29°29	25° 3	1°53	12°42	13°14	29°43	n.a.	F 29
S 30	18 3 37	29♊47'39	16♎34	27♋ 4	26♋38	13♈33	15♉30	24♏53	29♐27	25♌ 5	1♑52	12♓41	13♓11	29♍49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n53	0n25	0s59	24n29	1n51	24n45	1n16	4s 0	1s48	14n 7	0s46	18s13	1n33	24s10	0s23	14n50	1n24	29s13	5s27	5s46	6s 6	0n24		n.a.
S 2	21 4	5s16	1 59	24 46	1 54	24 51	1 17	3 43	1 49	14 11	0 46	18 12	1 33	24 10	0 23	14 50	1 24	29 13	5 27	5 47	6 7	0 20		n.a.
S 3	21 15	10 49	2 54	25 0	1 55	24 57	1 19	3 27	1 49	14 15	0 46	18 11	1 33	24 10	0 23	14 49	1 24	29 13	5 28	5 49	6 8	0 17		n.a.
M 4	21 26	16 3	3 42	25 12	1 56	25 1	1 20	3 10	1 49	14 20	0 46	18 10	1 33	24 10	0 23	14 49	1 24	29 13	5 28	5 51	6 10	0 13		n.a.
T 5	21 36	20 43	4 21	25 22	1 57	25 5	1 22	2 54	1 49	14 24	0 46	18 9	1 33	24 10	0 23	14 49	1 24	29 13	5 28	5 55	6 11	0 10		n.a.
W 6	21 46	24 34	4 47	25 29	1 57	25 8	1 23	2 37	1 49	14 28	0 46	18 8	1 32	24 10	0 24	14 49	1 24	29 14	5 28	6 0	6 12	0 6		n.a.
T 7	21 56	27 17	5 0	25 34	1 56	25 11	1 24	2 21	1 49	14 32	0 46	18 7	1 32	24 10	0 24	14 48	1 24	29 14	5 28	6 4	6 13	0 3		n.a.
F 8	22 5	28 34	4 57	25 37	1 54	25 13	1 26	2 4	1 49	14 36	0 46	18 6	1 32	24 10	0 24	14 48	1 24	29 14	5 28	6 9	6 15	0s 1		n.a.
S 9	22 14	28 13	4 38	25 38	1 52	25 13	1 27	1 48	1 49	14 41	0 45	18 5	1 32	24 10	0 24	14 48	1 24	29 14	5 29	6 14	6 16	0 4		n.a.
S 10	22 22	26 11	4 3	25 36	1 49	25 14	1 28	1 31	1 50	14 45	0 45	18 4	1 32	24 10	0 24	14 47	1 24	29 14	5 29	6 17	6 17	0 8		n.a.
M11	22 30	22 36	3 14	25 33	1 46	25 13	1 29	1 15	1 50	14 49	0 45	18 4	1 32	24 10	0 24	14 47	1 24	29 14	5 29	6 19	6 18	0 11		n.a.
T 12	22 38	17 44	2 13	25 27	1 42	25 12	1 30	0 59	1 50	14 53	0 45	18 3	1 32	24 10	0 24	14 47	1 24	29 15	5 29	6 21	6 20	0 14		n.a.
W13	22 45	11 53	1 3	25 20	1 38	25 10	1 31	0 42	1 50	14 57	0 45	18 2	1 32	24 10	0 24	14 46	1 24	29 15	5 29	6 21	6 21	0 18		n.a.
T 14	22 52	5 24	0n11	25 12	1 33	25 7	1 32	0 26	1 50	15 1	0 45	18 1	1 32	24 10	0 24	14 46	1 23	29 15	5 29	6 21	6 22	0 21		n.a.
F 15	22 59	1n23	1 24	25 1	1 28	25 3	1 33	0 10	1 50	15 5	0 45	18 0	1 31	24 10	0 24	14 46	1 23	29 15	5 29	6 21	6 23	0 25		n.a.
S 16	23 5	8 8	2 33	24 50	1 22	24 59	1 34	0n 6	1 50	15 8	0 45	17 59	1 31	24 11	0 24	14 45	1 23	29 15	5 29	6 22	6 25	0 28		n.a.
S 17	23 10	14 29	3 33	24 36	1 16	24 54	1 34	0 22	1 50	15 12	0 45	17 58	1 31	24 11	0 24	14 45	1 23	29 15	5 30	6 24	6 26	0 32		n.a.
M18	23 16	20 4	4 19	24 22	1 9	24 48	1 35	0 38	1 50	15 16	0 45	17 58	1 31	24 11	0 24	14 44	1 23	29 15	5 30	6 26	6 27	0 35		n.a.
T 19	23 20	24 29	4 48	24 6	1 2	24 42	1 35	0 54	1 50	15 20	0 45	17 57	1 31	24 11	0 24	14 44	1 23	29 16	5 30	6 30	6 28	0 39		n.a.
W20	23 25	27 24	5 0	23 50	0 54	24 34	1 36	1 10	1 50	15 24	0 45	17 56	1 31	24 11	0 24	14 44	1 23	29 16	5 30	6 34	6 30	0 42		n.a.
T 21	23 29	28 35	4 54	23 32	0 47	24 26	1 36	1 26	1 50	15 28	0 45	17 55	1 31	24 11	0 24	14 43	1 23	29 16	5 30	6 39	6 31	0 46		n.a.
F 22	23 33	28 2	4 32	23 14	0 38	24 18	1 37	1 42	1 50	15 31	0 45	17 55	1 30	24 11	0 24	14 43	1 23	29 16	5 30	6 43	6 32	0 49		n.a.
S 23	23 36	25 53	3 56	22 54	0 30	24 8	1 37	1 58	1 50	15 35	0 45	17 54	1 30	24 11	0 24	14 42	1 23	29 16	5 30	6 47	6 33	0 53		n.a.
S 24	23 39	22 28	3 8	22 34	0 21	23 58	1 37	2 13	1 50	15 39	0 45	17 53	1 30	24 11	0 24	14 42	1 23	29 16	5 30	6 50	6 34	0 56		n.a.
M25	23 41	18 6	2 12	22 13	0 11	23 47	1 37	2 29	1 49	15 42	0 45	17 52	1 30	24 11	0 24	14 41	1 23	29 16	5 30	6 52	6 36	0 59		n.a.
T 26	23 43	13 5	1 12	21 52	0 1	23 36	1 37	2 44	1 49	15 46	0 45	17 52	1 30	24 11	0 24	14 41	1 23	29 16	5 31	6 53	6 37	1 3		n.a.
W27	23 45	7 40	0 9	21 30	0s 9	23 23	1 37	3 0	1 49	15 49	0 45	17 51	1 30	24 11	0 24	14 40	1 23	29 17	5 31	6 53	6 38	1 6		n.a.
T 28	23 46	2 2	0s54	21 8	0 19	23 10	1 37	3 15	1 49	15 53	0 45	17 50	1 29	24 11	0 24	14 40	1 23	29 17	5 31	6 53	6 39	1 10		n.a.
F 29	23 47	3s38	1 54	20 46	0 29	22 57	1 37	3 30	1 49	15 56	0 45	17 50	1 29	24 11	0 24	14 39	1 23	29 17	5 31	6 53	6 41	1 13		n.a.
S 30	23n47	9s12	2s50	20n23	0s40	22n43	1n37	3n45	1s49	16n 0	0s45	17s49	1n29	24s11	0s24	14n39	1n23	29s17	5s31	6s54	6s42	1s17		n.a.

Julian Day Number = 1468456.5, Delta T = 05h33m07s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'19, Lahiri = -13°31'19 Julian Calendar 1 June 693 BCE == Greg. Calendar 25 May 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

JULY 693 BCE (-692) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 7 34	0♋45'04	28♎34	28♋ 3	27♋51	14♈11	15♉42	24°R50	29°R24	25♌ 6	1°R50	12°R38	13♓ 8	29♍56	n.a.	S 1
M 2	18 11 30	1°42'30	10♏47	29° 0	29° 4	14°49	15°53	24♏47	29♐22	25° 8	1♑49	12♓32	13° 5	0♎ 3	n.a.	M 2
T 3	18 15 27	2°39'57	23°17	29°53	0♌17	15°27	16° 5	24°44	29°20	25° 9	1°48	12°24	13° 2	0° 9	n.a.	T 3
W 4	18 19 24	3°37'25	6♐ 6	0♌43	1°30	16° 5	16°16	24°41	29°17	25°11	1°46	12°14	12°59	0°16	n.a.	W 4
T 5	18 23 20	4°34'54	19°15	1°30	2°42	16°42	16°27	24°38	29°15	25°12	1°45	12° 3	12°55	0°23	n.a.	T 5
F 6	18 27 17	5°32'25	2♑42	2°14	3°55	17°20	16°39	24°35	29°12	25°14	1°43	11°52	12°52	0°29	n.a.	F 6
S 7	18 31 13	6°29'56	16°26	2°53	5° 8	17°57	16°50	24°33	29°10	25°15	1°42	11°43	12°49	0°36	n.a.	S 7
S 8	18 35 10	7°27'29	0♒23	3°29	6°21	18°34	17° 1	24°30	29° 8	25°17	1°41	11°35	12°46	0°43	n.a.	S 8
M 9	18 39 6	8°25'04	14°29	4° 1	7°33	19°11	17°12	24°27	29° 5	25°19	1°39	11°30	12°43	0°49	n.a.	M 9
T 10	18 43 3	9°22'40	28°40	4°29	8°46	19°47	17°23	24°25	29° 3	25°20	1°38	11°27	12°40	0°56	n.a.	T 10
W11	18 47 0	10°20'17	12♓52	4°52	9°59	20°24	17°33	24°22	29° 1	25°22	1°37	11°D26	12°36	1° 3	n.a.	W11
T 12	18 50 56	11°17'56	27° 4	5°10	11°11	21° 0	17°44	24°20	28°58	25°24	1°35	11°27	12°33	1° 9	n.a.	T 12
F 13	18 54 53	12°15'37	11♈14	5°24	12°24	21°36	17°55	24°18	28°56	25°25	1°34	11°R27	12°30	1°16	n.a.	F 13
S 14	18 58 49	13°13'20	25°20	5°32	13°36	22°12	18° 5	24°16	28°54	25°27	1°32	11°27	12°27	1°22	n.a.	S 14
S 15	19 2 46	14°11'05	9♉20	5°R35	14°49	22°48	18°16	24°14	28°51	25°29	1°31	11°24	12°24	1°29	n.a.	S 15
M16	19 6 42	15° 8'51	23°15	5°33	16° 2	23°24	18°26	24°12	28°49	25°31	1°30	11°19	12°20	1°36	n.a.	M16
T 17	19 10 39	16° 6'40	7♊ 1	5°25	17°14	23°59	18°36	24°10	28°47	25°33	1°28	11°12	12°17	1°42	n.a.	T 17
W18	19 14 35	17° 4'30	20°37	5°11	18°26	24°34	18°46	24° 8	28°45	25°34	1°27	11° 4	12°14	1°49	n.a.	W18
T 19	19 18 32	18° 2'22	4♋ 0	4°51	19°39	25° 9	18°56	24° 6	28°42	25°36	1°26	10°55	12°11	1°56	n.a.	T 19
F 20	19 22 29	19° 0'15	17° 8	4°26	20°51	25°44	19° 6	24° 5	28°40	25°38	1°25	10°46	12° 8	2° 2	n.a.	F 20
S 21	19 26 25	19°58'10	0♌ 0	3°55	22° 4	26°19	19°16	24° 3	28°38	25°40	1°23	10°39	12° 5	2° 9	n.a.	S 21
S 22	19 30 22	20°56'07	12°36	3°18	23°16	26°53	19°26	24° 2	28°36	25°42	1°22	10°33	12° 1	2°16	n.a.	S 22
M23	19 34 18	21°54'06	24°56	2°36	24°29	27°27	19°35	24° 0	28°34	25°44	1°21	10°29	11°58	2°22	n.a.	M23
T 24	19 38 15	22°52'05	7♍ 2	1°50	25°41	28° 1	19°45	23°59	28°31	25°46	1°19	10°D28	11°55	2°29	n.a.	T 24
W25	19 42 11	23°50'07	18°58	1° 0	26°53	28°35	19°54	23°58	28°29	25°48	1°18	10°28	11°52	2°36	n.a.	W25
T 26	19 46 8	24°48'10	0♎48	0° 6	28° 5	29° 9	20° 3	23°57	28°27	25°50	1°17	10°30	11°49	2°42	n.a.	T 26
F 27	19 50 4	25°46'14	12°37	29♋11	29°18	29°42	20°12	23°56	28°25	25°52	1°16	10°31	11°45	2°49	n.a.	F 27
S 28	19 54 1	26°44'20	24°28	28°14	0♍30	0♉15	20°21	23°55	28°23	25°54	1°14	10°R32	11°42	2°56	n.a.	S 28
S 29	19 57 58	27°42'28	6♏29	27°17	1°42	0°48	20°30	23°54	28°21	25°56	1°13	10°31	11°39	3° 2	n.a.	S 29
M30	20 1 54	28°40'37	18°43	26°22	2°54	1°20	20°39	23°53	28°19	25°58	1°12	10°29	11°36	3° 9	n.a.	M30
T 31	20 5 51	29♋38'48	1♐15	25♋29	4♍ 6	1♉52	20♉48	23♏53	28♐17	26♌ 0	1♑11	10♓26	11♓33	3♎16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n47	14s31	3s38	20n 1	0s51	22n28	1n37	4n 0	1s49	16n 3	0s45	17s49	1n29	24s11	0s24	14n38	1n23	29s17	5s31	6s55	6s43	1s20		n.a.
M 2	23 46	19 21	4 18	19 38	1 3	22 12	1 36	4 15	1 49	16 7	0 45	17 48	1 29	24 11	0 24	14 38	1 23	29 17	5 31	6 57	6 44	1 24		n.a.
T 3	23 45	23 28	4 46	19 16	1 14	21 56	1 36	4 30	1 48	16 10	0 45	17 47	1 29	24 11	0 24	14 37	1 23	29 17	5 31	7 0	6 46	1 27		n.a.
W 4	23 44	26 34	5 1	18 53	1 26	21 39	1 35	4 45	1 48	16 13	0 45	17 47	1 28	24 11	0 24	14 37	1 23	29 17	5 31	7 4	6 47	1 31		n.a.
T 5	23 42	28 20	5 0	18 32	1 37	21 22	1 35	5 0	1 48	16 17	0 45	17 46	1 28	24 11	0 24	14 36	1 23	29 17	5 31	7 8	6 48	1 34		n.a.
F 6	23 40	28 28	4 43	18 10	1 49	21 4	1 34	5 14	1 48	16 20	0 45	17 46	1 28	24 11	0 24	14 36	1 23	29 17	5 31	7 12	6 49	1 38		n.a.
S 7	23 37	26 53	4 10	17 50	2 1	20 45	1 33	5 29	1 48	16 23	0 45	17 45	1 28	24 11	0 24	14 35	1 23	29 18	5 31	7 16	6 50	1 41		n.a.
S 8	23 34	23 37	3 20	17 30	2 13	20 26	1 32	5 43	1 47	16 26	0 45	17 45	1 28	24 11	0 24	14 34	1 23	29 18	5 31	7 19	6 52	1 44		n.a.
M 9	23 31	18 56	2 19	17 10	2 25	20 7	1 31	5 58	1 47	16 29	0 45	17 44	1 28	24 11	0 24	14 34	1 23	29 18	5 32	7 21	6 53	1 48		n.a.
T 10	23 27	13 10	1 8	16 52	2 37	19 46	1 30	6 12	1 47	16 32	0 45	17 44	1 27	24 11	0 24	14 33	1 23	29 18	5 32	7 22	6 54	1 51		n.a.
W11	23 22	6 42	0n 8	16 35	2 49	19 26	1 29	6 26	1 47	16 36	0 45	17 44	1 27	24 10	0 24	14 33	1 23	29 18	5 32	7 22	6 55	1 55		n.a.
T 12	23 18	0n 5	1 23	16 20	3 1	19 4	1 28	6 40	1 46	16 39	0 45	17 43	1 27	24 10	0 24	14 32	1 23	29 18	5 32	7 22	6 57	1 58		n.a.
F 13	23 12	6 50	2 32	16 5	3 12	18 43	1 27	6 54	1 46	16 42	0 45	17 43	1 27	24 10	0 24	14 31	1 23	29 18	5 32	7 22	6 58	2 2		n.a.
S 14	23 7	13 13	3 32	15 52	3 23	18 20	1 25	7 8	1 46	16 45	0 45	17 42	1 27	24 10	0 24	14 31	1 23	29 18	5 32	7 22	6 59	2 5		n.a.
S 15	23 1	18 54	4 19	15 41	3 34	17 57	1 24	7 22	1 46	16 47	0 45	17 42	1 26	24 10	0 24	14 30	1 23	29 18	5 32	7 23	7 0	2 9		n.a.
M16	22 54	23 32	4 51	15 32	3 44	17 34	1 23	7 35	1 45	16 50	0 45	17 42	1 26	24 10	0 24	14 30	1 23	29 18	5 32	7 25	7 2	2 12		n.a.
T 17	22 48	26 48	5 5	15 25	3 53	17 10	1 21	7 49	1 45	16 53	0 45	17 41	1 26	24 10	0 24	14 29	1 23	29 18	5 32	7 28	7 3	2 15		n.a.
W18	22 40	28 27	5 1	15 20	4 2	16 46	1 19	8 2	1 45	16 56	0 45	17 41	1 26	24 10	0 24	14 28	1 23	29 18	5 32	7 31	7 4	2 19		n.a.
T 19	22 33	28 25	4 42	15 17	4 10	16 22	1 18	8 15	1 44	16 59	0 45	17 41	1 26	24 10	0 24	14 28	1 23	29 18	5 32	7 35	7 5	2 22		n.a.
F 20	22 25	26 45	4 7	15 17	4 16	15 57	1 16	8 29	1 44	17 2	0 45	17 41	1 25	24 10	0 24	14 27	1 23	29 18	5 32	7 38	7 6	2 26		n.a.
S 21	22 16	23 42	3 20	15 19	4 22	15 31	1 14	8 42	1 43	17 4	0 45	17 41	1 25	24 10	0 24	14 26	1 23	29 18	5 32	7 41	7 8	2 29		n.a.
S 22	22 7	19 35	2 25	15 23	4 26	15 5	1 12	8 54	1 43	17 7	0 45	17 40	1 25	24 10	0 24	14 26	1 22	29 18	5 32	7 43	7 9	2 33		n.a.
M23	21 58	14 42	1 23	15 30	4 28	14 39	1 10	9 7	1 43	17 9	0 45	17 40	1 25	24 10	0 24	14 25	1 22	29 18	5 32	7 44	7 10	2 36		n.a.
T 24	21 49	9 20	0 19	15 40	4 29	14 12	1 8	9 20	1 42	17 12	0 45	17 40	1 25	24 10	0 24	14 24	1 22	29 19	5 32	7 45	7 11	2 40		n.a.
W25	21 39	3 43	0s46	15 51	4 28	13 45	1 6	9 32	1 42	17 15	0 45	17 40	1 24	24 10	0 24	14 24	1 22	29 19	5 32	7 45	7 13	2 43		n.a.
T 26	21 28	1s58	1 48	16 5	4 26	13 18	1 4	9 45	1 41	17 17	0 45	17 40	1 24	24 10	0 24	14 23	1 22	29 19	5 32	7 44	7 14	2 46		n.a.
F 27	21 18	7 35	2 45	16 22	4 21	12 50	1 1	9 57	1 41	17 20	0 45	17 40	1 24	24 10	0 24	14 22	1 22	29 19	5 32	7 44	7 15	2 50		n.a.
S 28	21 6	12 57	3 36	16 40	4 14	12 22	0 59	10 9	1 40	17 22	0 45	17 40	1 24	24 10	0 24	14 21	1 22	29 19	5 32	7 43	7 16	2 53		n.a.
S 29	20 55	17 55	4 18	16 59	4 5	11 54	0 57	10 21	1 40	17 24	0 45	17 40	1 24	24 10	0 24	14 21	1 22	29 19	5 32	7 44	7 18	2 57		n.a.
M30	20 43	22 15	4 48	17 20	3 55	11 26	0 54	10 33	1 39	17 27	0 45	17 40	1 23	24 10	0 24	14 20	1 22	29 19	5 32	7 44	7 19	3 0		n.a.
T 31	20n31	25s42	5s 6	17n42	3s43	10n57	0n52	10n45	1s39	17n29	0s45	17s40	1n23	24s10	0s24	14n19	1n22	29s19	5s32	7s46	7s20	3s 4		n.a.

Julian Day Number = 1468486.5, Delta T = 05h33m05s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'15, Lahiri = -13°31'15 Julian Calendar 1 July 693 BCE == Greg. Calendar 24 June 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

AUGUST 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 9 47	0♌37'00	14♐ 8	24°R40	5♍18	2♉24	20♉56	23°R52	28°R15	26♌ 2	1°R10	10°R20	11♓30	3♎22	n.a.	W 1
T 2	20 13 44	1°35'15	27°25	23♋55	6°30	2°56	21° 5	23♏52	28♐14	26° 4	1♑ 8	10♓14	11°26	3°29	n.a.	T 2
F 3	20 17 40	2°33'31	11♑ 5	23°17	7°42	3°28	21°13	23°52	28°12	26° 6	1° 7	10° 8	11°23	3°36	n.a.	F 3
S 4	20 21 37	3°31'48	25° 7	22°45	8°54	3°59	21°21	23°51	28°10	26° 8	1° 6	10° 3	11°20	3°42	n.a.	S 4
S 5	20 25 33	4°30'08	9♒26	22°21	10° 6	4°30	21°29	23°51	28° 8	26°10	1° 5	9°58	11°17	3°49	n.a.	S 5
M 6	20 29 30	5°28'30	23°57	22° 5	11°18	5° 1	21°37	23°D51	28° 6	26°12	1° 4	9°56	11°14	3°56	n.a.	M 6
T 7	20 33 27	6°26'53	8♓34	21°D59	12°29	5°31	21°44	23°51	28° 5	26°14	1° 3	9°D55	11°11	4° 2	n.a.	T 7
W 8	20 37 23	7°25'19	23°10	22° 1	13°41	6° 1	21°52	23°51	28° 3	26°16	1° 2	9°55	11° 7	4° 9	n.a.	W 8
T 9	20 41 20	8°23'47	7♈41	22°12	14°53	6°31	21°59	23°52	28° 1	26°19	1° 1	9°57	11° 4	4°16	n.a.	T 9
F 10	20 45 16	9°22'17	22° 3	22°33	16° 4	7° 1	22° 7	23°52	28° 0	26°21	1° 0	9°58	11° 1	4°22	n.a.	F 10
S 11	20 49 13	10°20'50	6♉12	23° 2	17°16	7°30	22°14	23°53	27°58	26°23	0°59	9°R59	10°58	4°29	n.a.	S 11
S 12	20 53 9	11°19'25	20° 8	23°41	18°28	7°59	22°21	23°53	27°56	26°25	0°58	9°59	10°55	4°36	n.a.	S 12
M13	20 57 6	12°18'02	3♊50	24°27	19°39	8°28	22°28	23°54	27°55	26°27	0°57	9°57	10°51	4°42	n.a.	M13
T 14	21 1 2	13°16'42	17°17	25°22	20°51	8°56	22°34	23°55	27°54	26°29	0°56	9°54	10°48	4°49	n.a.	T 14
W15	21 4 59	14°15'24	0♋30	26°24	22° 2	9°24	22°41	23°55	27°52	26°32	0°55	9°51	10°45	4°55	n.a.	W15
T 16	21 8 55	15°14'09	13°30	27°34	23°14	9°52	22°47	23°56	27°51	26°34	0°54	9°47	10°42	5° 2	n.a.	T 16
F 17	21 12 52	16°12'56	26°16	28°49	24°25	10°19	22°53	23°57	27°49	26°36	0°53	9°43	10°39	5° 9	n.a.	F 17
S 18	21 16 49	17°11'44	8♌48	0♌10	25°36	10°46	23° 0	23°59	27°48	26°38	0°52	9°40	10°36	5°15	n.a.	S 18
S 19	21 20 45	18°10'35	21° 9	1°36	26°47	11°13	23° 5	24° 0	27°47	26°40	0°51	9°38	10°32	5°22	n.a.	S 19
M20	21 24 42	19° 9'28	3♍18	3° 7	27°59	11°39	23°11	24° 1	27°46	26°43	0°51	9°37	10°29	5°29	n.a.	M20
T 21	21 28 38	20° 8'23	15°17	4°41	29°10	12° 5	23°17	24° 3	27°44	26°45	0°50	9°D37	10°26	5°35	n.a.	T 21
W22	21 32 35	21° 7'21	27°10	6°19	0♎21	12°30	23°22	24° 4	27°43	26°47	0°49	9°37	10°23	5°42	n.a.	W22
T 23	21 36 31	22° 6'20	8♎58	7°59	1°32	12°56	23°27	24° 6	27°42	26°49	0°48	9°39	10°20	5°49	n.a.	T 23
F 24	21 40 28	23° 5'21	20°46	9°41	2°43	13°20	23°33	24° 8	27°41	26°52	0°47	9°40	10°17	5°55	n.a.	F 24
S 25	21 44 24	24° 4'24	2♏37	11°26	3°54	13°45	23°37	24° 9	27°40	26°54	0°47	9°42	10°13	6° 2	n.a.	S 25
S 26	21 48 21	25° 3'28	14°36	13°11	5° 5	14° 8	23°42	24°11	27°39	26°56	0°46	9°43	10°10	6° 9	n.a.	S 26
M27	21 52 18	26° 2'35	26°47	14°58	6°16	14°32	23°47	24°13	27°38	26°58	0°45	9°R43	10° 7	6°15	n.a.	M27
T 28	21 56 14	27° 1'44	9♐16	16°45	7°26	14°55	23°51	24°15	27°37	27° 0	0°45	9°42	10° 4	6°22	n.a.	T 28
W29	22 0 11	28° 0'55	22° 7	18°32	8°37	15°17	23°55	24°18	27°37	27° 3	0°44	9°42	10° 1	6°29	n.a.	W29
T 30	22 4 7	29° 0'08	5♑22	20°20	9°48	15°40	23°59	24°20	27°36	27° 5	0°44	9°40	9°57	6°35	n.a.	T 30
F 31	22 8 4	29♌59'22	19♑ 3	22♌ 8	10♎58	16♉ 1	24♉ 3	24♏22	27♐35	27♌ 7	0♑43	9♓39	9♓54	6♎42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n18	27s57	5s10	18n 4	3s29	10n28	0n49	10n57	1s38	17n31	0s45	17s40	1n23	24s10	0s24	14n19	1n22	29s19	5s32	7s48	7s21	3s 7		n.a.
T 2	20 5	28 42	4 57	18 27	3 14	9 58	0 46	11 8	1 38	17 33	0 45	17 40	1 23	24 10	0 24	14 18	1 22	29 19	5 32	7 50	7 22	3 10		n.a.
F 3	19 52	27 44	4 27	18 50	2 57	9 29	0 44	11 19	1 37	17 36	0 45	17 40	1 23	24 10	0 24	14 17	1 22	29 19	5 32	7 53	7 24	3 14		n.a.
S 4	19 38	25 1	3 40	19 12	2 40	8 59	0 41	11 31	1 37	17 38	0 45	17 40	1 22	24 10	0 24	14 16	1 22	29 19	5 32	7 55	7 25	3 17		n.a.
S 5	19 25	20 41	2 39	19 34	2 22	8 29	0 38	11 42	1 36	17 40	0 45	17 41	1 22	24 10	0 24	14 16	1 22	29 19	5 32	7 56	7 26	3 21		n.a.
M 6	19 10	15 5	1 26	19 55	2 3	7 58	0 35	11 53	1 36	17 42	0 45	17 41	1 22	24 10	0 24	14 15	1 22	29 19	5 32	7 57	7 27	3 24		n.a.
T 7	18 56	8 35	0 7	20 14	1 45	7 28	0 32	12 3	1 35	17 44	0 45	17 41	1 22	24 10	0 24	14 14	1 22	29 19	5 32	7 58	7 29	3 28		n.a.
W 8	18 41	1 39	1n12	20 32	1 26	6 57	0 29	12 14	1 34	17 46	0 45	17 41	1 22	24 10	0 24	14 14	1 22	29 19	5 32	7 57	7 30	3 31		n.a.
T 9	18 25	5n19	2 26	20 49	1 8	6 26	0 26	12 25	1 34	17 48	0 45	17 41	1 21	24 10	0 24	14 13	1 22	29 19	5 32	7 57	7 31	3 34		n.a.
F 10	18 10	11 57	3 30	21 3	0 50	5 55	0 23	12 35	1 33	17 50	0 45	17 42	1 21	24 10	0 24	14 12	1 22	29 19	5 32	7 56	7 32	3 38		n.a.
S 11	17 54	17 52	4 21	21 15	0 32	5 24	0 20	12 45	1 32	17 51	0 45	17 42	1 21	24 10	0 24	14 11	1 22	29 19	5 32	7 56	7 33	3 41		n.a.
S 12	17 38	22 45	4 55	21 25	0 16	4 53	0 17	12 56	1 32	17 53	0 45	17 42	1 21	24 10	0 24	14 11	1 22	29 19	5 32	7 56	7 35	3 45		n.a.
M13	17 21	26 19	5 12	21 32	0n 0	4 21	0 13	13 5	1 31	17 55	0 46	17 43	1 21	24 10	0 24	14 10	1 22	29 19	5 32	7 57	7 36	3 48		n.a.
T 14	17 4	28 19	5 11	21 37	0 15	3 50	0 10	13 15	1 30	17 57	0 46	17 43	1 20	24 10	0 24	14 9	1 22	29 19	5 32	7 58	7 37	3 52		n.a.
W15	16 47	28 40	4 54	21 39	0 29	3 18	0 7	13 25	1 30	17 58	0 46	17 44	1 20	24 10	0 24	14 8	1 22	29 19	5 32	7 59	7 38	3 55		n.a.
T 16	16 30	27 25	4 21	21 38	0 42	2 46	0 3	13 35	1 29	18 0	0 46	17 44	1 20	24 10	0 24	14 7	1 22	29 19	5 32	8 1	7 40	3 58		n.a.
F 17	16 12	24 44	3 36	21 33	0 53	2 15	0s 0	13 44	1 28	18 1	0 46	17 45	1 20	24 10	0 24	14 7	1 22	29 19	5 32	8 2	7 41	4 2		n.a.
S 18	15 54	20 55	2 42	21 27	1 4	1 43	0 4	13 53	1 27	18 3	0 46	17 45	1 20	24 10	0 24	14 6	1 22	29 18	5 32	8 3	7 42	4 5		n.a.
S 19	15 36	16 14	1 40	21 17	1 13	1 11	0 7	14 2	1 27	18 4	0 46	17 45	1 19	24 9	0 24	14 5	1 22	29 18	5 32	8 4	7 43	4 9		n.a.
M20	15 17	10 59	0 35	21 4	1 22	0 39	0 11	14 11	1 26	18 6	0 46	17 46	1 19	24 9	0 24	14 4	1 22	29 18	5 32	8 5	7 44	4 12		n.a.
T 21	14 59	5 24	0s31	20 48	1 29	0 7	0 15	14 20	1 25	18 7	0 46	17 47	1 19	24 9	0 24	14 4	1 22	29 18	5 32	8 5	7 46	4 16		n.a.
W22	14 40	0s19	1 36	20 30	1 35	0s25	0 18	14 29	1 24	18 9	0 46	17 47	1 19	24 9	0 24	14 3	1 22	29 18	5 32	8 4	7 47	4 19		n.a.
T 23	14 20	5 59	2 35	20 9	1 40	0 57	0 22	14 37	1 23	18 10	0 46	17 48	1 19	24 9	0 24	14 2	1 22	29 18	5 32	8 4	7 48	4 22		n.a.
F 24	14 1	11 26	3 29	19 45	1 44	1 29	0 26	14 46	1 22	18 11	0 46	17 48	1 18	24 9	0 24	14 1	1 22	29 18	5 32	8 3	7 49	4 26		n.a.
S 25	13 41	16 30	4 13	19 19	1 48	2 1	0 29	14 54	1 21	18 12	0 46	17 49	1 18	24 9	0 24	14 1	1 22	29 18	5 32	8 3	7 51	4 29		n.a.
S 26	13 21	21 0	4 47	18 51	1 50	2 33	0 33	15 2	1 20	18 14	0 46	17 50	1 18	24 9	0 24	14 0	1 22	29 18	5 31	8 2	7 52	4 33		n.a.
M27	13 1	24 43	5 9	18 21	1 52	3 5	0 37	15 10	1 19	18 15	0 46	17 50	1 18	24 9	0 24	13 59	1 22	29 18	5 31	8 2	7 53	4 36		n.a.
T 28	12 41	27 22	5 17	17 50	1 53	3 37	0 41	15 18	1 18	18 16	0 46	17 51	1 18	24 9	0 24	13 58	1 22	29 18	5 31	8 2	7 54	4 39		n.a.
W29	12 20	28 42	5 10	17 16	1 53	4 8	0 44	15 25	1 17	18 17	0 46	17 52	1 17	24 9	0 24	13 57	1 22	29 18	5 31	8 3	7 55	4 43		n.a.
T 30	11 59	28 26	4 46	16 41	1 52	4 40	0 48	15 33	1 16	18 18	0 46	17 53	1 17	24 9	0 24	13 57	1 22	29 18	5 31	8 3	7 57	4 46		n.a.
F 31	11n38	26s27	4s 5	16n 4	1n51	5s12	0s52	15n40	1s15	18n19	0s46	17s53	1n17	24s 9	0s24	13n56	1n22	29s18	5s31	8s 4	7s58	4s50		n.a.

Julian Day Number = 1468517.5, Delta T = 05h33m03s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'11, Lahiri = -13°31'10 Julian Calendar 1 Aug. 693 BCE == Greg. Calendar 25 July 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

SEPTEMBER 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 12 0	0♍58'39	3♒10	23♌56	12♎ 9	16♉22	24♉ 7	24♏25	27°R34	27♌ 9	0°R42	9°R38	9♓51	6♎49	n.a.	S 1
S 2	22 15 57	1°57'57	17°41	25°43	13°19	16°43	24°10	24°27	27♐34	27°12	0♑42	9♓37	9°48	6°55	n.a.	S 2
M 3	22 19 53	2°57'18	2♓29	27°31	14°29	17° 3	24°14	24°30	27°33	27°14	0°41	9°D37	9°45	7° 2	n.a.	M 3
T 4	22 23 50	3°56'40	17°28	29°17	15°39	17°23	24°17	24°33	27°33	27°16	0°41	9°37	9°42	7° 9	n.a.	T 4
W 5	22 27 46	4°56'05	2♈29	1♍ 3	16°50	17°43	24°20	24°36	27°32	27°18	0°40	9°37	9°38	7°15	n.a.	W 5
T 6	22 31 43	5°55'32	17°24	2°49	18° 0	18° 1	24°22	24°39	27°32	27°21	0°40	9°37	9°35	7°22	n.a.	T 6
F 7	22 35 40	6°55'02	2♉ 6	4°34	19°10	18°19	24°25	24°42	27°31	27°23	0°40	9°38	9°32	7°29	n.a.	F 7
S 8	22 39 36	7°54'34	16°30	6°18	20°20	18°37	24°27	24°45	27°31	27°25	0°39	9°38	9°29	7°35	n.a.	S 8
S 9	22 43 33	8°54'08	0♊32	8° 2	21°29	18°54	24°30	24°48	27°31	27°27	0°39	9°38	9°26	7°42	n.a.	S 9
M10	22 47 29	9°53'45	14°12	9°45	22°39	19°11	24°32	24°51	27°31	27°29	0°39	9°38	9°23	7°49	n.a.	M10
T 11	22 51 26	10°53'25	27°31	11°27	23°49	19°27	24°33	24°55	27°30	27°32	0°38	9°38	9°19	7°55	n.a.	T 11
W12	22 55 22	11°53'07	10♋30	13° 9	24°58	19°42	24°35	24°58	27°30	27°34	0°38	9°38	9°16	8° 2	n.a.	W12
T 13	22 59 19	12°52'51	23°13	14°50	26° 8	19°57	24°36	25° 2	27°30	27°36	0°38	9°39	9°13	8° 9	n.a.	T 13
F 14	23 3 15	13°52'38	5♌40	16°30	27°17	20°11	24°38	25° 5	27°D30	27°38	0°38	9°39	9°10	8°15	n.a.	F 14
S 15	23 7 12	14°52'26	17°56	18°10	28°27	20°25	24°39	25° 9	27°30	27°40	0°37	9°39	9° 7	8°22	n.a.	S 15
S 16	23 11 9	15°52'17	0♍ 2	19°49	29°36	20°38	24°39	25°13	27°30	27°42	0°37	9°40	9° 3	8°29	n.a.	S 16
M17	23 15 5	16°52'10	12° 1	21°27	0♏45	20°50	24°40	25°17	27°30	27°45	0°37	9°R40	9° 0	8°35	n.a.	M17
T 18	23 19 2	17°52'06	23°53	23° 5	1°54	21° 1	24°40	25°21	27°31	27°47	0°37	9°40	8°57	8°42	n.a.	T 18
W19	23 22 58	18°52'03	5♎43	24°42	3° 3	21°12	24°R41	25°25	27°31	27°49	0°37	9°39	8°54	8°49	n.a.	W19
T 20	23 26 55	19°52'02	17°31	26°19	4°12	21°22	24°41	25°29	27°31	27°51	0°37	9°38	8°51	8°55	n.a.	T 20
F 21	23 30 51	20°52'03	29°19	27°55	5°20	21°32	24°40	25°33	27°31	27°53	0°D37	9°36	8°48	9° 2	n.a.	F 21
S 22	23 34 48	21°52'06	11♏12	29°30	6°29	21°41	24°40	25°37	27°32	27°55	0°37	9°34	8°44	9° 9	n.a.	S 22
S 23	23 38 44	22°52'11	23°12	1♎ 5	7°37	21°49	24°39	25°41	27°32	27°57	0°37	9°32	8°41	9°15	n.a.	S 23
M24	23 42 41	23°52'18	5♐23	2°40	8°45	21°56	24°38	25°46	27°33	27°59	0°37	9°31	8°38	9°22	n.a.	M24
T 25	23 46 37	24°52'26	17°48	4°14	9°54	22° 3	24°37	25°50	27°33	28° 1	0°37	9°30	8°35	9°29	n.a.	T 25
W26	23 50 34	25°52'36	0♑32	5°47	11° 2	22° 8	24°36	25°55	27°34	28° 3	0°37	9°D30	8°32	9°35	n.a.	W26
T 27	23 54 31	26°52'48	13°39	7°20	12°10	22°13	24°35	26° 0	27°34	28° 5	0°38	9°31	8°29	9°42	n.a.	T 27
F 28	23 58 27	27°53'02	27°11	8°53	13°17	22°18	24°33	26° 4	27°35	28° 7	0°38	9°32	8°25	9°49	n.a.	F 28
S 29	0 2 24	28°53'17	11♒10	10°25	14°25	22°21	24°31	26° 9	27°36	28° 9	0°38	9°33	8°22	9°55	n.a.	S 29
S 30	0 6 20	29♍53'33	25♒36	11♎57	15♏32	22♉24	24♉29	26♏14	27♐37	28♌11	0♑38	9♓34	8♓19	10♎ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n17	22s47	3s 9	15n27	1n49	5s43	0s56	15n47	1s14	18n20	0s46	17s54	1n17	24s 9	0s24	13n55	1n22	29s18	5s31	8s 4	7s59	4s53		n.a.
S 2	10 55	17 38	1 59	14 48	1 47	6 15	1 0	15 54	1 13	18 20	0 46	17 55	1 17	24 9	0 24	13 54	1 22	29 18	5 31	8 4	8 0	4 56		n.a.
M 3	10 34	11 21	0 40	14 8	1 44	6 46	1 4	16 1	1 12	18 21	0 46	17 56	1 16	24 9	0 24	13 54	1 22	29 18	5 31	8 4	8 1	5 0		n.a.
T 4	10 12	4 21	0n44	13 28	1 41	7 17	1 7	16 8	1 11	18 22	0 46	17 57	1 16	24 9	0 24	13 53	1 22	29 18	5 31	8 4	8 3	5 3		n.a.
W 5	9 50	2n53	2 4	12 46	1 37	7 48	1 11	16 14	1 10	18 23	0 46	17 58	1 16	24 9	0 24	13 52	1 22	29 18	5 31	8 4	8 4	5 7		n.a.
T 6	9 28	9 55	3 15	12 4	1 33	8 19	1 15	16 21	1 9	18 23	0 46	17 59	1 16	24 9	0 24	13 51	1 22	29 18	5 31	8 4	8 5	5 10		n.a.
F 7	9 6	16 18	4 12	11 21	1 29	8 49	1 19	16 27	1 7	18 24	0 46	17 59	1 16	24 9	0 24	13 51	1 22	29 17	5 31	8 4	8 6	5 13		n.a.
S 8	8 43	21 40	4 52	10 38	1 25	9 20	1 23	16 33	1 6	18 24	0 46	18 0	1 15	24 9	0 24	13 50	1 22	29 17	5 31	8 4	8 8	5 17		n.a.
S 9	8 21	25 40	5 14	9 54	1 20	9 50	1 27	16 39	1 5	18 25	0 46	18 1	1 15	24 9	0 24	13 49	1 23	29 17	5 31	8 4	8 9	5 20		n.a.
M10	7 58	28 4	5 17	9 10	1 15	10 20	1 30	16 45	1 4	18 25	0 46	18 2	1 15	24 9	0 24	13 48	1 23	29 17	5 31	8 4	8 10	5 23		n.a.
T 11	7 35	28 48	5 2	8 26	1 9	10 50	1 34	16 51	1 2	18 26	0 46	18 3	1 15	24 9	0 24	13 48	1 23	29 17	5 30	8 4	8 11	5 27		n.a.
W12	7 12	27 53	4 33	7 41	1 4	11 19	1 38	16 56	1 1	18 26	0 46	18 4	1 15	24 9	0 24	13 47	1 23	29 17	5 30	8 4	8 12	5 30		n.a.
T 13	6 49	25 32	3 50	6 57	0 58	11 48	1 42	17 1	1 0	18 27	0 46	18 5	1 15	24 9	0 23	13 46	1 23	29 17	5 30	8 4	8 14	5 34		n.a.
F 14	6 26	21 59	2 58	6 12	0 52	12 17	1 46	17 7	0 58	18 27	0 46	18 6	1 14	24 9	0 23	13 45	1 23	29 17	5 30	8 4	8 15	5 37		n.a.
S 15	6 2	17 32	1 58	5 27	0 46	12 46	1 49	17 12	0 57	18 27	0 46	18 8	1 14	24 9	0 23	13 45	1 23	29 17	5 30	8 4	8 16	5 40		n.a.
S 16	5 39	12 27	0 53	4 42	0 40	13 15	1 53	17 16	0 55	18 27	0 46	18 9	1 14	24 9	0 23	13 44	1 23	29 17	5 30	8 3	8 17	5 44		n.a.
M17	5 15	6 57	0s13	3 57	0 33	13 43	1 57	17 21	0 54	18 27	0 46	18 10	1 14	24 9	0 23	13 43	1 23	29 17	5 30	8 3	8 18	5 47		n.a.
T 18	4 52	1 16	1 18	3 12	0 27	14 11	2 0	17 26	0 52	18 27	0 46	18 11	1 14	24 9	0 23	13 42	1 23	29 17	5 30	8 3	8 20	5 50		n.a.
W19	4 28	4s26	2 20	2 27	0 21	14 38	2 4	17 30	0 51	18 27	0 46	18 12	1 13	24 9	0 23	13 42	1 23	29 17	5 30	8 4	8 21	5 54		n.a.
T 20	4 4	9 58	3 15	1 42	0 14	15 6	2 7	17 34	0 49	18 27	0 47	18 13	1 13	24 9	0 23	13 41	1 23	29 17	5 30	8 4	8 22	5 57		n.a.
F 21	3 40	15 9	4 2	0 57	0 7	15 32	2 11	17 38	0 48	18 27	0 47	18 14	1 13	24 9	0 23	13 40	1 23	29 16	5 30	8 5	8 23	6 1		n.a.
S 22	3 16	19 48	4 39	0 13	0 1	15 59	2 14	17 42	0 46	18 27	0 47	18 16	1 13	24 9	0 23	13 40	1 23	29 16	5 30	8 6	8 24	6 4		n.a.
S 23	2 52	23 44	5 4	0s32	0s 6	16 25	2 18	17 46	0 44	18 27	0 47	18 17	1 13	24 9	0 23	13 39	1 23	29 16	5 30	8 6	8 26	6 7		n.a.
M24	2 28	26 40	5 16	1 16	0 13	16 51	2 21	17 50	0 43	18 27	0 47	18 18	1 13	24 9	0 23	13 38	1 23	29 16	5 29	8 7	8 27	6 11		n.a.
T 25	2 4	28 24	5 13	2 0	0 19	17 16	2 25	17 53	0 41	18 27	0 47	18 19	1 12	24 9	0 23	13 37	1 23	29 16	5 29	8 7	8 28	6 14		n.a.
W26	1 40	28 42	4 55	2 44	0 26	17 41	2 28	17 56	0 39	18 26	0 47	18 20	1 12	24 9	0 23	13 37	1 23	29 16	5 29	8 7	8 29	6 17		n.a.
T 27	1 15	27 25	4 22	3 27	0 33	18 6	2 31	17 59	0 37	18 26	0 47	18 22	1 12	24 9	0 23	13 36	1 23	29 16	5 29	8 7	8 30	6 21		n.a.
F 28	0 51	24 30	3 33	4 10	0 39	18 30	2 34	18 2	0 35	18 26	0 47	18 23	1 12	24 9	0 23	13 35	1 23	29 16	5 29	8 6	8 32	6 24		n.a.
S 29	0 27	20 5	2 31	4 53	0 46	18 54	2 37	18 5	0 33	18 25	0 47	18 24	1 12	24 9	0 23	13 35	1 23	29 16	5 29	8 6	8 33	6 27		n.a.
S 30	0n 3	14s22	1s16	5s35	0s52	19s17	2s40	18n 7	0s32	18n25	0s47	18s26	1n12	24s 9	0s23	13n34	1n23	29s16	5s29	8s 5	8s34	6s31		n.a.

Julian Day Number = 1468548.5, Delta T = 05h33m02s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'07, Lahiri = -13°31'06 Julian Calendar 1 Sept. 693 BCE == Greg. Calendar 25 Aug. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

OCTOBER 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 10 17	0♎53'51	10♓26	13♎28	16♏40	22♉26	24°R27	26♏19	27♐38	28♑13	0♑39	9°R35	8♓16	10♎ 9	n.a.	M 1
T 2	0 14 13	1°54'11	25°33	14°59	17°47	22°27	24♉25	26°24	27°38	28°15	0°39	9♓34	8°13	10°15	n.a.	T 2
W 3	0 18 10	2°54'33	10♈48	16°29	18°54	22°R27	24°22	26°29	27°39	28°17	0°39	9°32	8° 9	10°22	n.a.	W 3
T 4	0 22 6	3°54'57	26° 2	17°59	20° 0	22°26	24°19	26°34	27°40	28°19	0°40	9°29	8° 6	10°29	n.a.	T 4
F 5	0 26 3	4°55'22	11♉ 4	19°29	21° 7	22°25	24°16	26°39	27°41	28°21	0°40	9°26	8° 3	10°35	n.a.	F 5
S 6	0 30 0	5°55'50	25°46	20°58	22°13	22°22	24°13	26°44	27°43	28°23	0°40	9°22	8° 0	10°42	n.a.	S 6
S 7	0 33 56	6°56'20	10♊ 2	22°26	23°20	22°19	24°10	26°50	27°44	28°25	0°41	9°19	7°57	10°49	n.a.	S 7
M 8	0 37 53	7°56'51	23°51	23°55	24°26	22°15	24° 6	26°55	27°45	28°27	0°41	9°17	7°54	10°55	n.a.	M 8
T 9	0 41 49	8°57'25	7♋12	25°22	25°32	22°10	24° 2	27° 1	27°46	28°28	0°42	9°D16	7°50	11° 2	n.a.	T 9
W10	0 45 46	9°58'01	20° 9	26°49	26°37	22° 5	23°59	27° 6	27°47	28°30	0°42	9°17	7°47	11° 9	n.a.	W10
T 11	0 49 42	10°58'38	2♌43	28°16	27°43	21°58	23°54	27°12	27°49	28°32	0°43	9°18	7°44	11°15	n.a.	T 11
F 12	0 53 39	11°59'18	15° 1	29°42	28°48	21°50	23°50	27°17	27°50	28°34	0°43	9°20	7°41	11°22	n.a.	F 12
S 13	0 57 35	12°59'59	27° 6	1♏ 7	29°53	21°42	23°46	27°23	27°52	28°35	0°44	9°21	7°38	11°29	n.a.	S 13
S 14	1 1 32	14° 0'42	9♍ 2	2°31	0♐57	21°33	23°41	27°29	27°53	28°37	0°45	9°R22	7°34	11°35	n.a.	S 14
M15	1 5 29	15° 1'26	20°53	3°55	2° 2	21°22	23°36	27°34	27°55	28°39	0°45	9°21	7°31	11°42	n.a.	M15
T 16	1 9 25	16° 2'12	2♎41	5°18	3° 6	21°11	23°31	27°40	27°56	28°40	0°46	9°19	7°28	11°49	n.a.	T 16
W17	1 13 22	17° 3'00	14°29	6°40	4°10	20°59	23°26	27°46	27°58	28°42	0°47	9°14	7°25	11°55	n.a.	W17
T 18	1 17 18	18° 3'49	26°20	8° 0	5°14	20°47	23°20	27°52	27°59	28°44	0°48	9° 8	7°22	12° 2	n.a.	T 18
F 19	1 21 15	19° 4'40	8♏14	9°19	6°17	20°33	23°15	27°58	28° 1	28°45	0°48	9° 0	7°19	12° 9	n.a.	F 19
S 20	1 25 11	20° 5'32	20°13	10°37	7°20	20°19	23° 9	28° 4	28° 3	28°47	0°49	8°52	7°15	12°15	n.a.	S 20
S 21	1 29 8	21° 6'25	2♐19	11°53	8°23	20° 4	23° 3	28°10	28° 5	28°48	0°50	8°44	7°12	12°22	n.a.	S 21
M22	1 33 4	22° 7'19	14°35	13° 7	9°25	19°48	22°57	28°16	28° 7	28°50	0°51	8°37	7° 9	12°29	n.a.	M22
T 23	1 37 1	23° 8'15	27° 2	14°19	10°28	19°31	22°51	28°22	28° 9	28°51	0°52	8°32	7° 6	12°35	n.a.	T 23
W24	1 40 58	24° 9'11	9♑44	15°28	11°29	19°14	22°45	28°29	28°10	28°53	0°53	8°29	7° 3	12°42	n.a.	W24
T 25	1 44 54	25°10'09	22°44	16°35	12°31	18°56	22°39	28°35	28°12	28°54	0°54	8°D27	7° 0	12°49	n.a.	T 25
F 26	1 48 51	26°11'07	6♒ 6	17°38	13°32	18°37	22°32	28°41	28°15	28°56	0°54	8°28	6°56	12°55	n.a.	F 26
S 27	1 52 47	27°12'06	19°51	18°37	14°33	18°18	22°25	28°48	28°17	28°57	0°55	8°29	6°53	13° 2	n.a.	S 27
S 28	1 56 44	28°13'06	4♓ 1	19°32	15°33	17°58	22°19	28°54	28°19	28°58	0°56	8°R30	6°50	13° 9	n.a.	S 28
M29	2 0 40	29°14'07	18°36	20°22	16°33	17°37	22°12	29° 0	28°21	29° 0	0°57	8°30	6°47	13°15	n.a.	M29
T 30	2 4 37	0♏15'09	3♈33	21° 6	17°32	17°17	22° 5	29° 7	28°23	29° 1	0°59	8°27	6°44	13°22	n.a.	T 30
W31	2 8 33	1♏16'11	18♈43	21♏44	18♐31	16♉55	21♉58	29♏13	28♐25	29♑ 2	1♑ 0	8♓22	6♓40	13♎29	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	0s22	7s41	0n 5	6s17	0s59	19s40	2s43	18n10	0s30	18n24	0s47	18s27	1n11	24s 9	0s23	13n33	1n23	29s16	5s29	8s 5	8s35	6s34		n.a.
T 2	0 46	0 28	1 27	6 59	1 5	20 2	2 46	18 12	0 28	18 23	0 47	18 28	1 11	24 9	0 23	13 33	1 23	29 16	5 29	8 6	8 37	6 38		n.a.
W 3	1 10	6n50	2 44	7 40	1 11	20 24	2 49	18 14	0 26	18 23	0 47	18 30	1 11	24 9	0 23	13 32	1 23	29 16	5 29	8 6	8 38	6 41		n.a.
T 4	1 35	13 44	3 48	8 21	1 17	20 45	2 52	18 16	0 23	18 22	0 47	18 31	1 11	24 9	0 23	13 31	1 23	29 15	5 29	8 7	8 39	6 44		n.a.
F 5	1 59	19 44	4 37	9 1	1 23	21 6	2 54	18 17	0 21	18 21	0 47	18 32	1 11	24 9	0 23	13 31	1 23	29 15	5 29	8 9	8 40	6 48		n.a.
S 6	2 23	24 24	5 5	9 40	1 29	21 26	2 57	18 19	0 19	18 21	0 47	18 34	1 11	24 9	0 23	13 30	1 23	29 15	5 29	8 10	8 41	6 51		n.a.
S 7	2 48	27 27	5 14	10 19	1 35	21 46	2 59	18 20	0 17	18 20	0 47	18 35	1 11	24 9	0 23	13 30	1 23	29 15	5 28	8 11	8 43	6 54		n.a.
M 8	3 12	28 42	5 4	10 58	1 41	22 5	3 2	18 21	0 15	18 19	0 47	18 36	1 10	24 9	0 23	13 29	1 23	29 15	5 28	8 12	8 44	6 58		n.a.
T 9	3 36	28 12	4 38	11 35	1 46	22 23	3 4	18 22	0 13	18 18	0 47	18 38	1 10	24 9	0 23	13 28	1 23	29 15	5 28	8 12	8 45	7 1		n.a.
W10	4 0	26 10	3 58	12 13	1 51	22 42	3 6	18 23	0 10	18 17	0 46	18 39	1 10	24 9	0 23	13 28	1 23	29 15	5 28	8 12	8 46	7 4		n.a.
T 11	4 24	22 52	3 7	12 49	1 56	22 59	3 8	18 23	0 8	18 16	0 46	18 41	1 10	24 9	0 23	13 27	1 23	29 15	5 28	8 12	8 47	7 8		n.a.
F 12	4 48	18 37	2 9	13 24	2 1	23 16	3 10	18 24	0 6	18 15	0 46	18 42	1 10	24 9	0 23	13 27	1 23	29 15	5 28	8 11	8 49	7 11		n.a.
S 13	5 12	13 42	1 7	13 59	2 6	23 32	3 12	18 24	0 3	18 14	0 46	18 44	1 10	24 9	0 23	13 26	1 24	29 15	5 28	8 10	8 50	7 14		n.a.
S 14	5 36	8 19	0 2	14 33	2 10	23 48	3 14	18 24	0 1	18 13	0 46	18 45	1 10	24 9	0 23	13 25	1 24	29 15	5 28	8 10	8 51	7 18		n.a.
M15	6 0	2 43	1s 2	15 6	2 14	24 3	3 16	18 23	0n 2	18 12	0 46	18 46	1 9	24 9	0 23	13 25	1 24	29 15	5 28	8 10	8 52	7 21		n.a.
T 16	6 24	2s58	2 4	15 38	2 18	24 18	3 17	18 23	0 4	18 10	0 46	18 48	1 9	24 9	0 23	13 24	1 24	29 14	5 28	8 11	8 53	7 24		n.a.
W17	6 47	8 32	2 59	16 9	2 21	24 32	3 19	18 22	0 7	18 9	0 46	18 49	1 9	24 9	0 23	13 24	1 24	29 14	5 28	8 13	8 55	7 28		n.a.
T 18	7 11	13 50	3 48	16 38	2 24	24 45	3 20	18 21	0 9	18 8	0 46	18 51	1 9	24 9	0 23	13 23	1 24	29 14	5 28	8 16	8 56	7 31		n.a.
F 19	7 34	18 38	4 26	17 7	2 26	24 58	3 21	18 20	0 12	18 6	0 46	18 52	1 9	24 9	0 23	13 23	1 24	29 14	5 28	8 18	8 57	7 34		n.a.
S 20	7 58	22 44	4 53	17 34	2 28	25 10	3 22	18 18	0 14	18 5	0 46	18 54	1 9	24 9	0 23	13 22	1 24	29 14	5 27	8 22	8 58	7 37		n.a.
S 21	8 21	25 56	5 7	17 59	2 30	25 21	3 23	18 17	0 17	18 3	0 46	18 55	1 9	24 9	0 23	13 22	1 24	29 14	5 27	8 25	8 59	7 41		n.a.
M22	8 44	27 57	5 7	18 23	2 31	25 32	3 24	18 15	0 19	18 2	0 46	18 57	1 8	24 9	0 23	13 21	1 24	29 14	5 27	8 27	9 1	7 44		n.a.
T 23	9 7	28 38	4 53	18 46	2 31	25 42	3 24	18 13	0 22	18 1	0 46	18 58	1 8	24 9	0 23	13 21	1 24	29 14	5 27	8 29	9 2	7 47		n.a.
W24	9 30	27 49	4 24	19 6	2 31	25 52	3 25	18 11	0 25	17 59	0 46	19 0	1 8	24 9	0 23	13 20	1 24	29 14	5 27	8 30	9 3	7 51		n.a.
T 25	9 52	25 28	3 42	19 25	2 30	26 0	3 25	18 8	0 27	17 57	0 46	19 1	1 8	24 9	0 23	13 20	1 24	29 14	5 27	8 31	9 4	7 54		n.a.
F 26	10 15	21 41	2 46	19 42	2 28	26 8	3 25	18 5	0 30	17 56	0 46	19 3	1 8	24 9	0 23	13 19	1 24	29 14	5 27	8 31	9 5	7 57		n.a.
S 27	10 37	16 38	1 39	19 56	2 25	26 16	3 25	18 3	0 33	17 54	0 46	19 4	1 8	24 9	0 23	13 19	1 24	29 14	5 27	8 30	9 6	8 1		n.a.
S 28	11 0	10 33	0 24	20 8	2 22	26 23	3 25	18 0	0 35	17 52	0 46	19 6	1 8	24 9	0 23	13 19	1 24	29 14	5 27	8 30	9 8	8 4		n.a.
M29	11 21	3 44	0n54	20 17	2 17	26 29	3 25	17 56	0 38	17 51	0 46	19 7	1 8	24 9	0 23	13 18	1 24	29 14	5 27	8 30	9 9	8 7		n.a.
T 30	11 43	3n25	2 11	20 24	2 11	26 34	3 24	17 53	0 41	17 49	0 46	19 9	1 7	24 9	0 23	13 18	1 24	29 13	5 27	8 31	9 10	8 11		n.a.
W31	12s 5	10n29	3n19	20s27	2s 4	26s39	3s23	17n49	0n43	17n47	0s45	19s10	1n 7	24s 9	0s23	13n17	1n24	29s13	5s27	8s33	9s11	8s14		n.a.

Julian Day Number = 1468578.5, Delta T = 05h33m00s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°38'03, Lahiri = -13°31'02 Julian Calendar 1 Oct. 693 BCE == Greg. Calendar 24 Sept. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

NOVEMBER 693 BCE (-692) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 12 30	2♏17'14	3♉58	22♏15	19♐30	16°R33	21°R50	29♏20	28♐28	29♑ 4	1♋ 1	8°R15	6♓37	13♎35	n.a.	T 1
F 2	2 16 27	3°18'19	19° 8	22°38	20°28	16♉11	21♉43	29°26	28°30	29° 5	1° 2	8♓ 7	6°34	13°42	n.a.	F 2
S 3	2 20 23	4°19'24	4♊ 1	22°52	21°25	15°48	21°36	29°33	28°32	29° 6	1° 3	7°57	6°31	13°49	n.a.	S 3
S 4	2 24 20	5°20'31	18°31	22°R56	22°22	15°25	21°28	29°40	28°35	29° 7	1° 4	7°49	6°28	13°55	n.a.	S 4
M 5	2 28 16	6°21'38	2♋31	22°50	23°19	15° 2	21°20	29°46	28°37	29° 8	1° 5	7°42	6°25	14° 2	n.a.	M 5
T 6	2 32 13	7°22'47	16° 1	22°33	24°15	14°39	21°13	29°53	28°40	29° 9	1° 7	7°38	6°21	14° 9	n.a.	T 6
W 7	2 36 9	8°23'57	29° 2	22° 4	25°10	14°15	21° 5	29°59	28°42	29°10	1° 8	7°35	6°18	14°15	n.a.	W 7
T 8	2 40 6	9°25'07	11♌38	21°24	26° 5	13°52	20°57	0♐ 6	28°45	29°11	1° 9	7°D35	6°15	14°22	n.a.	T 8
F 9	2 44 3	10°26'19	23°55	20°33	26°59	13°28	20°49	0°13	28°47	29°12	1°10	7°35	6°12	14°29	n.a.	F 9
S 10	2 47 59	11°27'31	5♍56	19°32	27°52	13° 4	20°41	0°20	28°50	29°13	1°12	7°R36	6° 9	14°35	n.a.	S 10
S 11	2 51 56	12°28'44	17°48	18°22	28°45	12°40	20°33	0°27	28°53	29°14	1°13	7°35	6° 6	14°42	n.a.	S 11
M12	2 55 52	13°29'58	29°36	17° 5	29°37	12°17	20°25	0°34	28°55	29°15	1°14	7°33	6° 2	14°49	n.a.	M12
T 13	2 59 49	14°31'13	11♎23	15°44	0♏28	11°53	20°17	0°41	28°58	29°16	1°16	7°27	5°59	14°56	n.a.	T 13
W14	3 3 45	15°32'29	23°13	14°21	1°19	11°30	20° 9	0°48	29° 1	29°17	1°17	7°19	5°56	15° 2	n.a.	W14
T 15	3 7 42	16°33'45	5♏ 8	13° 0	2° 8	11° 7	20° 1	0°54	29° 3	29°18	1°19	7° 8	5°53	15° 9	n.a.	T 15
F 16	3 11 38	17°35'01	17°10	11°42	2°57	10°44	19°53	1° 1	29° 6	29°19	1°20	6°55	5°50	15°16	n.a.	F 16
S 17	3 15 35	18°36'18	29°20	10°31	3°45	10°21	19°45	1° 8	29° 9	29°19	1°21	6°41	5°46	15°22	n.a.	S 17
S 18	3 19 32	19°37'35	11♐39	9°27	4°33	9°59	19°36	1°15	29°12	29°20	1°23	6°28	5°43	15°29	n.a.	S 18
M19	3 23 28	20°38'53	24° 8	8°33	5°19	9°38	19°28	1°22	29°15	29°21	1°24	6°15	5°40	15°36	n.a.	M19
T 20	3 27 25	21°40'10	6♑47	7°50	6° 4	9°16	19°20	1°29	29°18	29°21	1°26	6° 5	5°37	15°42	n.a.	T 20
W21	3 31 21	22°41'28	19°37	7°17	6°48	8°56	19°12	1°36	29°21	29°22	1°27	5°58	5°34	15°49	n.a.	W21
T 22	3 35 18	23°42'45	2♒41	6°55	7°31	8°35	19° 4	1°43	29°24	29°22	1°29	5°54	5°31	15°56	n.a.	T 22
F 23	3 39 14	24°44'02	15°59	6°43	8°13	8°16	18°56	1°50	29°27	29°23	1°31	5°53	5°27	16° 2	n.a.	F 23
S 24	3 43 11	25°45'19	29°36	6°D41	8°54	7°57	18°48	1°57	29°30	29°23	1°32	5°53	5°24	16° 9	n.a.	S 24
S 25	3 47 7	26°46'36	13♓32	6°49	9°34	7°38	18°40	2° 4	29°33	29°24	1°34	5°53	5°21	16°16	n.a.	S 25
M26	3 51 4	27°47'53	27°47	7° 4	10°12	7°21	18°32	2°12	29°36	29°24	1°35	5°51	5°18	16°22	n.a.	M26
T 27	3 55 1	28°49'09	12♈22	7°28	10°49	7° 4	18°24	2°19	29°39	29°25	1°37	5°48	5°15	16°29	n.a.	T 27
W28	3 58 57	29°50'24	27°12	7°58	11°25	6°47	18°16	2°26	29°42	29°25	1°38	5°41	5°11	16°36	n.a.	W28
T 29	4 2 54	0♑51'40	12♉ 9	8°35	11°59	6°32	18° 8	2°33	29°45	29°25	1°40	5°32	5° 8	16°42	n.a.	T 29
F 30	4 6 50	1♑52'55	27♉ 6	9♏17	12♋32	6♉17	18♉ 0	2♑40	29♑49	29♒26	1♋42	5♓20	5♓ 5	16♎49	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s26	16n59	4n13	20s28	1s56	26s43	3s23	17n45	0n46	17n45	0s45	19s12	1n 7	24s 9	0s23	13n17	1n24	29s13	5s27	8s36	9s12	8s17		n.a.
F 2	12 48	22 23	4 49	20 25	1 47	26 47	3 22	17 41	0 49	17 44	0 45	19 14	1 7	24 9	0 23	13 17	1 24	29 13	5 27	8 39	9 14	8 20		n.a.
S 3	13 9	26 14	5 5	20 18	1 36	26 50	3 20	17 37	0 51	17 42	0 45	19 15	1 7	24 9	0 23	13 16	1 25	29 13	5 27	8 42	9 15	8 24		n.a.
S 4	13 29	28 15	5 0	20 7	1 23	26 52	3 19	17 33	0 54	17 40	0 45	19 17	1 7	24 9	0 23	13 16	1 25	29 13	5 27	8 45	9 16	8 27		n.a.
M 5	13 50	28 23	4 37	19 52	1 9	26 54	3 17	17 29	0 57	17 38	0 45	19 18	1 7	24 9	0 23	13 15	1 25	29 13	5 27	8 48	9 17	8 30		n.a.
T 6	14 10	26 46	4 0	19 32	0 54	26 54	3 15	17 24	0 59	17 36	0 45	19 20	1 7	24 9	0 23	13 15	1 25	29 13	5 26	8 50	9 18	8 34		n.a.
W 7	14 30	23 45	3 11	19 8	0 37	26 55	3 13	17 19	1 2	17 34	0 45	19 21	1 7	24 9	0 23	13 15	1 25	29 13	5 26	8 51	9 20	8 37		n.a.
T 8	14 50	19 41	2 14	18 40	0 18	26 54	3 11	17 15	1 4	17 32	0 45	19 23	1 6	24 9	0 23	13 14	1 25	29 13	5 26	8 51	9 21	8 40		n.a.
F 9	15 10	14 53	1 13	18 8	0n 1	26 53	3 9	17 10	1 7	17 30	0 45	19 24	1 6	24 9	0 23	13 14	1 25	29 13	5 26	8 51	9 22	8 43		n.a.
S 10	15 29	9 36	0 9	17 32	0 21	26 52	3 6	17 5	1 9	17 28	0 44	19 26	1 6	24 9	0 23	13 14	1 25	29 13	5 26	8 50	9 23	8 47		n.a.
S 11	15 48	4 3	0s54	16 53	0 41	26 50	3 3	17 0	1 11	17 26	0 44	19 27	1 6	24 9	0 23	13 14	1 25	29 13	5 26	8 51	9 24	8 50		n.a.
M12	16 7	1s35	1 54	16 11	1 2	26 47	3 0	16 55	1 14	17 24	0 44	19 29	1 6	24 9	0 23	13 13	1 25	29 13	5 26	8 52	9 26	8 53		n.a.
T 13	16 25	7 9	2 50	15 29	1 22	26 44	2 57	16 49	1 16	17 22	0 44	19 30	1 6	24 9	0 23	13 13	1 25	29 13	5 26	8 54	9 27	8 56		n.a.
W14	16 44	12 30	3 37	14 47	1 40	26 40	2 53	16 44	1 18	17 20	0 44	19 32	1 6	24 9	0 23	13 13	1 25	29 13	5 26	8 57	9 28	9 0		n.a.
T 15	17 2	17 26	4 16	14 6	1 57	26 35	2 49	16 39	1 21	17 18	0 44	19 34	1 6	24 9	0 23	13 13	1 25	29 13	5 26	9 1	9 29	9 3		n.a.
F 16	17 19	21 43	4 43	13 27	2 13	26 30	2 45	16 34	1 23	17 16	0 44	19 35	1 6	24 10	0 23	13 12	1 25	29 12	5 26	9 6	9 30	9 6		n.a.
S 17	17 36	25 9	4 58	12 53	2 26	26 24	2 41	16 29	1 25	17 14	0 43	19 37	1 6	24 10	0 23	13 12	1 25	29 12	5 26	9 11	9 31	9 9		n.a.
S 18	17 53	27 27	5 0	12 22	2 37	26 18	2 36	16 24	1 27	17 11	0 43	19 38	1 6	24 10	0 23	13 12	1 25	29 12	5 26	9 16	9 33	9 13		n.a.
M19	18 10	28 25	4 47	11 57	2 46	26 12	2 31	16 19	1 29	17 9	0 43	19 40	1 5	24 10	0 23	13 12	1 25	29 12	5 26	9 21	9 34	9 16		n.a.
T 20	18 26	27 55	4 19	11 37	2 52	26 5	2 26	16 13	1 31	17 7	0 43	19 41	1 5	24 10	0 23	13 12	1 25	29 12	5 26	9 24	9 35	9 19		n.a.
W21	18 42	25 56	3 39	11 22	2 56	25 57	2 21	16 9	1 33	17 5	0 43	19 43	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 27	9 36	9 22		n.a.
T 22	18 58	22 32	2 46	11 12	2 59	25 49	2 15	16 4	1 35	17 3	0 43	19 44	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 28	9 37	9 26		n.a.
F 23	19 13	17 54	1 43	11 8	2 59	25 40	2 9	15 59	1 37	17 1	0 43	19 46	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 29	9 39	9 29		n.a.
S 24	19 28	12 18	0 33	11 8	2 59	25 31	2 3	15 54	1 38	16 59	0 42	19 47	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 29	9 40	9 32		n.a.
S 25	19 43	5 57	0n40	11 12	2 56	25 22	1 56	15 50	1 40	16 57	0 42	19 49	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 29	9 41	9 35		n.a.
M26	19 57	0n50	1 53	11 21	2 53	25 12	1 49	15 45	1 42	16 55	0 42	19 50	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 30	9 42	9 39		n.a.
T 27	20 11	7 42	3 0	11 32	2 49	25 2	1 42	15 41	1 43	16 53	0 42	19 52	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 31	9 43	9 42		n.a.
W28	20 24	14 16	3 56	11 47	2 44	24 51	1 35	15 37	1 45	16 51	0 42	19 53	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 33	9 44	9 45		n.a.
T 29	20 37	20 4	4 36	12 4	2 38	24 40	1 27	15 33	1 46	16 49	0 42	19 55	1 5	24 10	0 23	13 11	1 26	29 12	5 26	9 37	9 46	9 48		n.a.
F 30	20s50	24n36	4n57	12s24	2n32	24s29	1s18	15n30	1n48	16n47	0s41	19s56	1n 5	24s10	0s23	13n10	1n26	29s12	5s26	9s41	9s47	9s51		n.a.

Julian Day Number = 1468609.5, Delta T = 05h32m59s
Ecliptic obliquity = 23°46'52, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'58, Lahiri = -13°30'58 Julian Calendar 1 Nov. 693 BCE == Greg. Calendar 25 Oct. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 693 BCE
geocentric

DECEMBER 693 BCE (-692) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 10 47	2♐54'10	11♊53	10♏ 4	13♑ 3	6°R 3	17°R53	2♐47	29♐52	29♎26	1♑43	5°R 8	5♓ 2	16♎56	n.a.	S 1
S 2	4 14 43	3°55'25	26°22	10°56	13°33	5♉50	17♉45	2°54	29°55	29°26	1°45	4♓56	4°59	17° 2	n.a.	S 2
M 3	4 18 40	4°56'40	10♋25	11°52	14° 1	5°37	17°38	3° 1	29°58	29°26	1°47	4°46	4°56	17° 9	n.a.	M 3
T 4	4 22 37	5°57'55	24° 1	12°51	14°27	5°25	17°30	3° 8	0♑ 2	29°27	1°49	4°39	4°52	17°16	n.a.	T 4
W 5	4 26 33	6°59'09	7♌ 8	13°53	14°51	5°14	17°23	3°15	0° 5	29°27	1°50	4°34	4°49	17°22	n.a.	W 5
T 6	4 30 30	8° 0'24	19°50	14°58	15°14	5° 4	17°16	3°22	0° 8	29°27	1°52	4°32	4°46	17°29	n.a.	T 6
F 7	4 34 26	9° 1'38	2♍10	16° 6	15°34	4°55	17° 9	3°29	0°12	29°27	1°54	4°31	4°43	17°36	n.a.	F 7
S 8	4 38 23	10° 2'51	14°14	17°16	15°53	4°46	17° 2	3°36	0°15	29°R27	1°56	4°31	4°40	17°43	n.a.	S 8
S 9	4 42 19	11° 4'05	26° 7	18°28	16°10	4°38	16°55	3°43	0°18	29°27	1°57	4°31	4°37	17°49	n.a.	S 9
M10	4 46 16	12° 5'18	7♎55	19°42	16°24	4°32	16°48	3°50	0°22	29°27	1°59	4°28	4°33	17°56	n.a.	M10
T 11	4 50 12	13° 6'31	19°44	20°58	16°37	4°25	16°41	3°57	0°25	29°27	2° 1	4°23	4°30	18° 3	n.a.	T 11
W12	4 54 9	14° 7'44	1♏36	22°15	16°47	4°20	16°35	4° 4	0°28	29°27	2° 3	4°15	4°27	18° 9	n.a.	W12
T 13	4 58 6	15° 8'56	13°37	23°33	16°55	4°16	16°29	4°11	0°32	29°27	2° 4	4° 4	4°24	18°16	n.a.	T 13
F 14	5 2 2	16°10'07	25°47	24°53	17° 0	4°12	16°22	4°18	0°35	29°26	2° 6	3°51	4°21	18°23	n.a.	F 14
S 15	5 5 59	17°11'18	8♐10	26°14	17° 3	4° 9	16°16	4°25	0°39	29°26	2° 8	3°37	4°17	18°29	n.a.	S 15
S 16	5 9 55	18°12'28	20°45	27°36	17°R 4	4° 7	16°10	4°32	0°42	29°26	2°10	3°23	4°14	18°36	n.a.	S 16
M17	5 13 52	19°13'38	3♑32	28°59	17° 2	4° 6	16° 5	4°39	0°46	29°26	2°12	3°11	4°11	18°43	n.a.	M17
T 18	5 17 48	20°14'46	16°30	0♐23	16°58	4°D 5	15°59	4°46	0°49	29°25	2°14	3° 1	4° 8	18°49	n.a.	T 18
W19	5 21 45	21°15'54	29°40	1°48	16°51	4° 6	15°54	4°53	0°53	29°25	2°15	2°53	4° 5	18°56	n.a.	W19
T 20	5 25 42	22°17'00	12♒59	3°13	16°42	4° 7	15°48	5° 0	0°56	29°25	2°17	2°49	4° 2	19° 3	n.a.	T 20
F 21	5 29 38	23°18'05	26°30	4°40	16°30	4° 8	15°43	5° 7	1° 0	29°24	2°19	2°47	3°58	19° 9	n.a.	F 21
S 22	5 33 35	24°19'08	10♓11	6° 7	16°15	4°11	15°38	5°14	1° 3	29°24	2°21	2°D47	3°55	19°16	n.a.	S 22
S 23	5 37 31	25°20'11	24° 4	7°35	15°58	4°14	15°34	5°21	1° 7	29°23	2°23	2°R48	3°52	19°23	n.a.	S 23
M24	5 41 28	26°21'12	8♈ 8	9° 4	15°39	4°18	15°29	5°27	1°10	29°23	2°25	2°47	3°49	19°29	n.a.	M24
T 25	5 45 24	27°22'11	22°24	10°34	15°17	4°23	15°25	5°34	1°14	29°22	2°26	2°45	3°46	19°36	n.a.	T 25
W26	5 49 21	28°23'09	6♉49	12° 4	14°53	4°28	15°20	5°41	1°17	29°22	2°28	2°40	3°43	19°43	n.a.	W26
T 27	5 53 17	29°24'06	21°19	13°35	14°27	4°34	15°16	5°48	1°21	29°21	2°30	2°32	3°39	19°50	n.a.	T 27
F 28	5 57 14	0♑25'01	5♊50	15° 7	13°58	4°41	15°12	5°54	1°24	29°20	2°32	2°23	3°36	19°56	n.a.	F 28
S 29	6 1 11	1°25'55	20°13	16°39	13°28	4°48	15° 9	6° 1	1°28	29°20	2°34	2°12	3°33	20° 3	n.a.	S 29
S 30	6 5 7	2°26'48	4♋24	18°12	12°56	4°56	15° 5	6° 7	1°31	29°19	2°36	2° 2	3°30	20°10	n.a.	S 30
M31	6 9 4	3♑27'39	18♋15	19♐46	12♑23	5♉ 5	15♉ 2	6♐14	1♑35	29♎18	2♑38	1♓54	3♓27	20♎16	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s 2	27n27	4n58	12s45	2n25	24s17	1s10	15n26	1n49	16n45	0s41	19s57	1n 5	24s10	0s23	13n10	1n26	29s12	5s26	9s46	9s48	9s55		n.a.
S 2	21 14	28 23	4 40	13 8	2 18	24 5	1 1	15 23	1 50	16 43	0 41	19 59	1 5	24 10	0 23	13 10	1 26	29 12	5 26	9 50	9 49	9 58		n.a.
M 3	21 26	27 26	4 5	13 33	2 10	23 53	0 52	15 20	1 51	16 41	0 41	20 0	1 4	24 10	0 23	13 10	1 26	29 12	5 26	9 54	9 50	10 1		n.a.
T 4	21 37	24 50	3 17	13 58	2 2	23 41	0 42	15 17	1 52	16 39	0 41	20 2	1 4	24 10	0 23	13 10	1 26	29 12	5 26	9 57	9 52	10 4		n.a.
W 5	21 47	21 0	2 19	14 25	1 54	23 28	0 32	15 14	1 54	16 37	0 40	20 3	1 4	24 10	0 23	13 10	1 26	29 12	5 26	9 58	9 53	10 8		n.a.
T 6	21 57	16 18	1 17	14 52	1 46	23 15	0 22	15 12	1 55	16 35	0 40	20 5	1 4	24 10	0 23	13 10	1 26	29 12	5 26	9 59	9 54	10 11		n.a.
F 7	22 7	11 3	0 12	15 20	1 38	23 2	0 11	15 9	1 56	16 33	0 40	20 6	1 4	24 10	0 23	13 10	1 26	29 12	5 26	9 59	9 55	10 14		n.a.
S 8	22 16	5 30	0s51	15 48	1 30	22 49	0 0	15 7	1 57	16 32	0 40	20 7	1 4	24 10	0 23	13 11	1 27	29 12	5 26	9 59	9 56	10 17		n.a.
S 9	22 25	0s 8	1 52	16 16	1 22	22 36	0n11	15 5	1 57	16 30	0 40	20 9	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 0	9 57	10 20		n.a.
M10	22 34	5 44	2 47	16 44	1 13	22 22	0 23	15 4	1 58	16 28	0 39	20 10	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 1	9 59	10 24		n.a.
T 11	22 42	11 8	3 35	17 13	1 5	22 9	0 35	15 2	1 59	16 26	0 39	20 12	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 2	10 0	10 27		n.a.
W12	22 49	16 9	4 14	17 41	0 57	21 55	0 48	15 1	2 0	16 25	0 39	20 13	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 5	10 1	10 30		n.a.
T 13	22 56	20 37	4 42	18 9	0 48	21 42	1 1	15 0	2 1	16 23	0 39	20 14	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 9	10 2	10 33		n.a.
F 14	23 3	24 17	4 57	18 37	0 40	21 28	1 14	15 0	2 1	16 21	0 39	20 16	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 14	10 3	10 36		n.a.
S 15	23 9	26 54	4 59	19 4	0 32	21 14	1 27	14 59	2 2	16 20	0 38	20 17	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 19	10 4	10 40		n.a.
S 16	23 15	28 13	4 47	19 31	0 24	21 0	1 41	14 59	2 2	16 18	0 38	20 18	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 24	10 6	10 43		n.a.
M17	23 20	28 4	4 20	19 57	0 16	20 47	1 55	14 59	2 3	16 17	0 38	20 20	1 4	24 10	0 23	13 11	1 27	29 12	5 26	10 29	10 7	10 46		n.a.
T 18	23 25	26 22	3 39	20 23	0 8	20 33	2 9	15 0	2 3	16 15	0 38	20 21	1 4	24 9	0 23	13 12	1 27	29 12	5 26	10 33	10 8	10 49		n.a.
W19	23 29	23 13	2 46	20 48	0 1	20 19	2 24	15 0	2 4	16 14	0 37	20 22	1 4	24 9	0 23	13 12	1 27	29 12	5 26	10 35	10 9	10 52		n.a.
T 20	23 33	18 48	1 43	21 13	0s 7	20 6	2 39	15 1	2 4	16 13	0 37	20 24	1 4	24 9	0 23	13 12	1 27	29 12	5 26	10 37	10 10	10 55		n.a.
F 21	23 36	13 23	0 33	21 36	0 14	19 52	2 54	15 2	2 5	16 11	0 37	20 25	1 4	24 9	0 23	13 12	1 27	29 12	5 26	10 37	10 11	10 59		n.a.
S 22	23 39	7 15	0n39	21 59	0 21	19 39	3 9	15 3	2 5	16 10	0 37	20 26	1 4	24 9	0 23	13 12	1 27	29 12	5 26	10 37	10 13	11 2		n.a.
S 23	23 42	0 42	1 51	22 21	0 28	19 26	3 24	15 5	2 6	16 9	0 37	20 27	1 3	24 9	0 23	13 13	1 27	29 12	5 26	10 37	10 14	11 5		n.a.
M24	23 44	5n58	2 56	22 42	0 35	19 13	3 39	15 6	2 6	16 8	0 36	20 29	1 3	24 9	0 23	13 13	1 27	29 12	5 26	10 38	10 15	11 8		n.a.
T 25	23 45	12 25	3 52	23 2	0 42	19 1	3 54	15 8	2 6	16 7	0 36	20 30	1 3	24 9	0 23	13 13	1 27	29 12	5 27	10 38	10 16	11 11		n.a.
W26	23 46	18 16	4 33	23 21	0 48	18 49	4 9	15 10	2 6	16 6	0 36	20 31	1 3	24 9	0 23	13 13	1 28	29 12	5 27	10 40	10 17	11 14		n.a.
T 27	23 47	23 8	4 58	23 40	0 55	18 36	4 24	15 13	2 7	16 5	0 36	20 32	1 3	24 9	0 23	13 14	1 28	29 12	5 27	10 43	10 18	11 17		n.a.
F 28	23 47	26 33	5 3	23 56	1 1	18 25	4 39	15 15	2 7	16 4	0 35	20 34	1 3	24 9	0 23	13 14	1 28	29 12	5 27	10 47	10 20	11 21		n.a.
S 29	23 46	28 13	4 49	24 12	1 6	18 13	4 53	15 18	2 7	16 3	0 35	20 35	1 3	24 9	0 23	13 14	1 28	29 12	5 27	10 50	10 21	11 24		n.a.
S 30	23 45	27 59	4 17	24 27	1 12	18 2	5 7	15 21	2 7	16 2	0 35	20 36	1 3	24 9	0 23	13 15	1 28	29 12	5 27	10 54	10 22	11 27		n.a.
M31	23s44	25n59	3n30	24s40	1s17	17s52	5n21	15n24	2n 7	16n 2	0s35	20s37	1n 3	24s 9	0s23	13n15	1n28	29s12	5s27	10s57	10s23	11s30		n.a.

Julian Day Number = 1468639.5, Delta T = 05h32m57s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'54, Lahiri = -13°30'54 Julian Calendar 1 Dec. 693 BCE == Greg. Calendar 24 Nov. 693 BCE

The year -692 astronomical counting style corresponds to year 693 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

JANUARY 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 13 0	4♑28'29	1♌44	21♐21	11°R48	5♉14	14°R59	6♐21	1♑38	29°R17	2♑40	1°R47	3♓24	20♎23	n.a.	T 1
W 2	6 16 57	5°29'17	14°50	22°56	11♑13	5°24	14♉56	6°27	1°42	29♌17	2°41	1♓44	3°20	20°30	n.a.	W 2
T 3	6 20 53	6°30'05	27°33	24°32	10°36	5°35	14°53	6°34	1°45	29°16	2°43	1°D42	3°17	20°36	n.a.	T 3
F 4	6 24 50	7°30'51	9♍57	26° 9	9°59	5°46	14°51	6°40	1°49	29°15	2°45	1°42	3°14	20°43	n.a.	F 4
S 5	6 28 46	8°31'36	22° 4	27°47	9°22	5°57	14°48	6°46	1°52	29°14	2°47	1°43	3°11	20°50	n.a.	S 5
S 6	6 32 43	9°32'20	4♎ 0	29°25	8°44	6° 9	14°46	6°53	1°56	29°13	2°49	1°R44	3° 8	20°56	n.a.	S 6
M 7	6 36 40	10°33'02	15°51	1♑ 5	8° 7	6°22	14°44	6°59	1°59	29°12	2°51	1°44	3° 4	21° 3	n.a.	M 7
T 8	6 40 36	11°33'43	27°41	2°45	7°30	6°35	14°43	7° 5	2° 3	29°11	2°53	1°43	3° 1	21°10	n.a.	T 8
W 9	6 44 33	12°34'23	9♏36	4°26	6°54	6°49	14°41	7°12	2° 6	29°10	2°54	1°39	2°58	21°17	n.a.	W 9
T 10	6 48 29	13°35'02	21°40	6° 7	6°19	7° 3	14°40	7°18	2°10	29° 9	2°56	1°33	2°55	21°23	n.a.	T 10
F 11	6 52 26	14°35'39	3♐56	7°50	5°45	7°17	14°39	7°24	2°13	29° 8	2°58	1°26	2°52	21°30	n.a.	F 11
S 12	6 56 22	15°36'14	16°28	9°34	5°12	7°33	14°38	7°30	2°16	29° 7	3° 0	1°17	2°49	21°37	n.a.	S 12
S 13	7 0 19	16°36'49	29°16	11°18	4°41	7°48	14°37	7°36	2°20	29° 6	3° 2	1° 9	2°45	21°43	n.a.	S 13
M14	7 4 16	17°37'21	12♑21	13° 3	4°12	8° 4	14°36	7°42	2°23	29° 5	3° 4	1° 1	2°42	21°50	n.a.	M14
T 15	7 8 12	18°37'52	25°41	14°50	3°45	8°21	14°36	7°48	2°27	29° 4	3° 5	0°55	2°39	21°57	n.a.	T 15
W16	7 12 9	19°38'21	9♒15	16°37	3°20	8°38	14°D36	7°54	2°30	29° 3	3° 7	0°50	2°36	22° 3	n.a.	W16
T 17	7 16 5	20°38'48	23° 0	18°25	2°56	8°55	14°36	8° 0	2°34	29° 1	3° 9	0°48	2°33	22°10	n.a.	T 17
F 18	7 20 2	21°39'13	6♓54	20°14	2°36	9°13	14°36	8° 6	2°37	29° 0	3°11	0°D48	2°30	22°17	n.a.	F 18
S 19	7 23 58	22°39'36	20°54	22° 4	2°17	9°32	14°37	8°11	2°40	28°59	3°13	0°49	2°26	22°23	n.a.	S 19
S 20	7 27 55	23°39'57	4♈59	23°55	2° 1	9°50	14°38	8°17	2°44	28°58	3°14	0°51	2°23	22°30	n.a.	S 20
M21	7 31 51	24°40'16	19° 7	25°46	1°47	10° 9	14°38	8°23	2°47	28°56	3°16	0°R52	2°20	22°37	n.a.	M21
T 22	7 35 48	25°40'32	3♉17	27°39	1°36	10°29	14°40	8°28	2°50	28°55	3°18	0°52	2°17	22°44	n.a.	T 22
W23	7 39 45	26°40'47	17°26	29°32	1°27	10°49	14°41	8°34	2°54	28°54	3°20	0°50	2°14	22°50	n.a.	W23
T 24	7 43 41	27°40'59	1♊33	1♒26	1°21	11° 9	14°42	8°39	2°57	28°52	3°21	0°47	2°10	22°57	n.a.	T 24
F 25	7 47 38	28°41'09	15°36	3°20	1°17	11°29	14°44	8°44	3° 0	28°51	3°23	0°43	2° 7	23° 4	n.a.	F 25
S 26	7 51 34	29°41'17	29°29	5°15	1°D16	11°50	14°46	8°50	3° 3	28°50	3°25	0°38	2° 4	23°10	n.a.	S 26
S 27	7 55 31	0♒41'23	13♋12	7°10	1°17	12°11	14°48	8°55	3° 7	28°48	3°27	0°33	2° 1	23°17	n.a.	S 27
M28	7 59 27	1°41'26	26°39	9° 6	1°20	12°33	14°50	9° 0	3°10	28°47	3°28	0°29	1°58	23°24	n.a.	M28
T 29	8 3 24	2°41'28	9♌51	11° 1	1°26	12°55	14°53	9° 5	3°13	28°46	3°30	0°26	1°55	23°30	n.a.	T 29
W30	8 7 20	3°41'27	22°44	12°56	1°34	13°17	14°55	9°10	3°16	28°44	3°32	0°24	1°51	23°37	n.a.	W30
T 31	8 11 17	4♒41'25	5♍21	14♒51	1♑45	13♉39	14♉58	9♐15	3♑19	28♌43	3♑33	0°D24	1♓48	23♎44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s42	22n32	2n33	24 s52	1 s23	17 s42	5n34	15n27	2n 7	16n 1	0 s34	20 s38	1n 3	24 s 9	0 s23	13n15	1n28	29 s12	5 s27	10 s59	10 s24	11 s33		n.a.
W 2	23 40	18 2	1 29	25 3	1 27	17 32	5 47	15 30	2 7	16 0	0 34	20 39	1 3	24 9	0 23	13 15	1 28	29 12	5 27	11 1	10 25	11 36		n.a.
T 3	23 37	12 50	0 22	25 12	1 32	17 23	5 59	15 34	2 8	16 0	0 34	20 41	1 3	24 9	0 23	13 16	1 28	29 12	5 27	11 1	10 27	11 39		n.a.
F 4	23 34	7 16	0 s44	25 20	1 36	17 14	6 11	15 38	2 8	15 59	0 34	20 42	1 3	24 9	0 23	13 16	1 28	29 12	5 27	11 1	10 28	11 43		n.a.
S 5	23 30	1 33	1 47	25 26	1 40	17 6	6 22	15 42	2 8	15 59	0 33	20 43	1 3	24 9	0 23	13 17	1 28	29 12	5 27	11 1	10 29	11 46		n.a.
S 6	23 26	4 s 8	2 45	25 31	1 44	16 58	6 32	15 46	2 8	15 58	0 33	20 44	1 3	24 9	0 23	13 17	1 28	29 12	5 27	11 0	10 30	11 49		n.a.
M 7	23 21	9 37	3 35	25 34	1 47	16 51	6 41	15 50	2 8	15 58	0 33	20 45	1 3	24 9	0 23	13 17	1 28	29 12	5 28	11 0	10 31	11 52		n.a.
T 8	23 16	14 46	4 15	25 35	1 50	16 45	6 50	15 55	2 8	15 58	0 33	20 46	1 3	24 9	0 23	13 18	1 28	29 12	5 28	11 1	10 32	11 55		n.a.
W 9	23 11	19 23	4 45	25 35	1 53	16 39	6 57	15 59	2 8	15 57	0 33	20 47	1 3	24 9	0 23	13 18	1 28	29 13	5 28	11 2	10 34	11 58		n.a.
T 10	23 5	23 18	5 3	25 33	1 55	16 34	7 4	16 4	2 8	15 57	0 32	20 48	1 3	24 9	0 23	13 18	1 28	29 13	5 28	11 5	10 35	12 1		n.a.
F 11	22 58	26 16	5 7	25 30	1 57	16 30	7 10	16 9	2 8	15 57	0 32	20 49	1 3	24 9	0 23	13 19	1 28	29 13	5 28	11 7	10 36	12 4		n.a.
S 12	22 51	28 0	4 57	25 24	1 59	16 26	7 15	16 14	2 7	15 57	0 32	20 50	1 3	24 9	0 23	13 19	1 28	29 13	5 28	11 10	10 37	12 7		n.a.
S 13	22 44	28 18	4 32	25 17	2 0	16 23	7 19	16 19	2 7	15 57	0 32	20 51	1 3	24 9	0 23	13 20	1 28	29 13	5 28	11 13	10 38	12 11		n.a.
M14	22 36	27 3	3 52	25 8	2 1	16 20	7 23	16 24	2 7	15 57	0 31	20 52	1 3	24 9	0 23	13 20	1 28	29 13	5 28	11 16	10 39	12 14		n.a.
T 15	22 28	24 14	2 58	24 57	2 1	16 18	7 25	16 29	2 7	15 57	0 31	20 53	1 3	24 8	0 23	13 21	1 29	29 13	5 28	11 18	10 41	12 17		n.a.
W16	22 19	20 2	1 54	24 44	2 1	16 17	7 27	16 35	2 7	15 57	0 31	20 54	1 3	24 8	0 23	13 21	1 29	29 13	5 28	11 20	10 42	12 20		n.a.
T 17	22 10	14 42	0 42	24 29	2 0	16 17	7 28	16 41	2 7	15 58	0 31	20 55	1 3	24 8	0 23	13 22	1 29	29 13	5 29	11 21	10 43	12 23		n.a.
F 18	22 1	8 35	0n33	24 12	1 59	16 17	7 28	16 46	2 7	15 58	0 30	20 56	1 3	24 8	0 23	13 22	1 29	29 13	5 29	11 21	10 44	12 26		n.a.
S 19	21 51	2 1	1 47	23 53	1 58	16 18	7 28	16 52	2 7	15 58	0 30	20 57	1 3	24 8	0 23	13 22	1 29	29 13	5 29	11 20	10 45	12 29		n.a.
S 20	21 40	4n41	2 55	23 32	1 56	16 19	7 27	16 58	2 6	15 59	0 30	20 58	1 3	24 8	0 23	13 23	1 29	29 13	5 29	11 20	10 46	12 32		n.a.
M21	21 30	11 10	3 53	23 9	1 53	16 21	7 25	17 4	2 6	15 59	0 30	20 59	1 3	24 8	0 23	13 23	1 29	29 13	5 29	11 19	10 47	12 35		n.a.
T 22	21 19	17 6	4 36	22 43	1 50	16 23	7 23	17 10	2 6	16 0	0 30	21 0	1 3	24 8	0 23	13 24	1 29	29 13	5 29	11 19	10 49	12 38		n.a.
W23	21 7	22 7	5 3	22 16	1 46	16 26	7 20	17 16	2 6	16 0	0 29	21 0	1 3	24 8	0 23	13 24	1 29	29 14	5 29	11 20	10 50	12 41		n.a.
T 24	20 55	25 51	5 12	21 47	1 42	16 30	7 17	17 22	2 6	16 1	0 29	21 1	1 3	24 8	0 23	13 25	1 29	29 14	5 29	11 21	10 51	12 44		n.a.
F 25	20 43	27 59	5 1	21 15	1 37	16 34	7 13	17 29	2 6	16 2	0 29	21 2	1 3	24 8	0 23	13 25	1 29	29 14	5 30	11 23	10 52	12 47		n.a.
S 26	20 30	28 20	4 33	20 42	1 31	16 38	7 8	17 35	2 5	16 2	0 29	21 3	1 3	24 8	0 23	13 26	1 29	29 14	5 30	11 24	10 53	12 50		n.a.
S 27	20 17	26 56	3 50	20 6	1 25	16 43	7 4	17 42	2 5	16 3	0 28	21 4	1 3	24 8	0 23	13 27	1 29	29 14	5 30	11 26	10 54	12 54		n.a.
M28	20 4	23 58	2 54	19 29	1 18	16 48	6 59	17 48	2 5	16 4	0 28	21 5	1 3	24 8	0 23	13 27	1 29	29 14	5 30	11 28	10 56	12 57		n.a.
T 29	19 50	19 48	1 50	18 50	1 10	16 53	6 53	17 55	2 5	16 5	0 28	21 5	1 3	24 8	0 23	13 28	1 29	29 14	5 30	11 29	10 57	13 0		n.a.
W30	19 36	14 47	0 42	18 10	1 2	16 59	6 47	18 1	2 5	16 6	0 28	21 6	1 3	24 8	0 23	13 28	1 29	29 14	5 30	11 29	10 58	13 3		n.a.
T 31	19 s22	9n16	0 s27	17 s27	0 s53	17 s 5	6n41	18n 8	2n 4	16n 7	0 s28	21 s 7	1n 3	24 s 8	0 s23	13n29	1n29	29 s14	5 s30	11 s29	10 s59	13 s 6		n.a.

Julian Day Number = 1468670.5, Delta T = 05h32m56s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'50, Lahiri = -13°30'50 Julian Calendar 1 Jan. 692 BCE == Greg. Calendar 25 Dec. 693 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

FEBRUARY 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 15 14	5♒41'21	17♍41	16♒45	1♉57	14♉ 2	15♉ 1	9♐20	3♉22	28°R41	3♉35	0♓25	1♓45	23♎50	n.a.	F 1
S 2	8 19 10	6°41'14	29°49	18°38	2°12	14°25	15° 4	9°25	3°25	28♌40	3°37	0°27	1°42	23°57	n.a.	S 2
S 3	8 23 7	7°41'06	11♎47	20°29	2°28	14°49	15° 8	9°30	3°28	28°38	3°38	0°28	1°39	24° 4	n.a.	S 3
M 4	8 27 3	8°40'56	23°39	22°19	2°47	15°12	15°11	9°35	3°32	28°37	3°40	0°30	1°35	24°11	n.a.	M 4
T 5	8 31 0	9°40'45	5♏30	24° 6	3° 7	15°36	15°15	9°39	3°35	28°35	3°41	0°R31	1°32	24°17	n.a.	T 5
W 6	8 34 56	10°40'31	17°26	25°50	3°30	16° 0	15°19	9°44	3°37	28°34	3°43	0°30	1°29	24°24	n.a.	W 6
T 7	8 38 53	11°40'16	29°30	27°31	3°54	16°25	15°23	9°49	3°40	28°32	3°44	0°29	1°26	24°31	n.a.	T 7
F 8	8 42 49	12°39'59	11♐48	29° 8	4°20	16°49	15°27	9°53	3°43	28°30	3°46	0°28	1°23	24°37	n.a.	F 8
S 9	8 46 46	13°39'40	24°22	0♓41	4°47	17°14	15°32	9°57	3°46	28°29	3°48	0°25	1°20	24°44	n.a.	S 9
S 10	8 50 42	14°39'19	7♉17	2° 9	5°16	17°39	15°36	10° 2	3°49	28°27	3°49	0°23	1°16	24°51	n.a.	S 10
M11	8 54 39	15°38'56	20°32	3°32	5°47	18° 5	15°41	10° 6	3°52	28°26	3°51	0°21	1°13	24°57	n.a.	M11
T 12	8 58 36	16°38'31	4♒ 8	4°49	6°19	18°30	15°46	10°10	3°55	28°24	3°52	0°19	1°10	25° 4	n.a.	T 12
W13	9 2 32	17°38'04	18° 4	6° 0	6°52	18°56	15°51	10°14	3°58	28°22	3°53	0°18	1° 7	25°11	n.a.	W13
T 14	9 6 29	18°37'35	2♓15	7° 5	7°27	19°22	15°56	10°18	4° 0	28°21	3°55	0°D18	1° 4	25°18	n.a.	T 14
F 15	9 10 25	19°37'03	16°37	8° 2	8° 3	19°49	16° 2	10°22	4° 3	28°19	3°56	0°18	1° 1	25°24	n.a.	F 15
S 16	9 14 22	20°36'29	1♈ 5	8°53	8°41	20°15	16° 8	10°26	4° 6	28°18	3°58	0°19	0°57	25°31	n.a.	S 16
S 17	9 18 18	21°35'53	15°33	9°36	9°19	20°42	16°13	10°30	4° 8	28°16	3°59	0°20	0°54	25°38	n.a.	S 17
M18	9 22 15	22°35'14	29°58	10°11	9°59	21° 9	16°19	10°33	4°11	28°14	4° 0	0°21	0°51	25°44	n.a.	M18
T 19	9 26 11	23°34'33	14♉16	10°39	10°39	21°36	16°25	10°37	4°14	28°13	4° 2	0°21	0°48	25°51	n.a.	T 19
W20	9 30 8	24°33'50	28°23	10°59	11°21	22° 3	16°32	10°40	4°16	28°11	4° 3	0°R21	0°45	25°58	n.a.	W20
T 21	9 34 5	25°33'04	12♊19	11°12	12° 4	22°31	16°38	10°44	4°19	28° 9	4° 4	0°21	0°41	26° 4	n.a.	T 21
F 22	9 38 1	26°32'16	26° 1	11°R17	12°48	22°59	16°45	10°47	4°21	28° 8	4° 6	0°20	0°38	26°11	n.a.	F 22
S 23	9 41 58	27°31'25	9♋31	11°14	13°33	23°27	16°51	10°50	4°24	28° 6	4° 7	0°20	0°35	26°18	n.a.	S 23
S 24	9 45 54	28°30'32	22°46	11° 4	14°18	23°55	16°58	10°53	4°26	28° 4	4° 8	0°20	0°32	26°25	n.a.	S 24
M25	9 49 51	29°29'36	5♌48	10°47	15° 5	24°23	17° 5	10°56	4°28	28° 3	4° 9	0°20	0°29	26°31	n.a.	M25
T 26	9 53 47	0♓28'38	18°37	10°24	15°52	24°51	17°12	10°59	4°31	28° 1	4°10	0°D20	0°26	26°38	n.a.	T 26
W27	9 57 44	1°27'38	1♍12	9°56	16°40	25°20	17°20	11° 2	4°33	27°59	4°12	0°R20	0°22	26°45	n.a.	W27
T 28	10 1 40	2♓26'36	13♍36	9♓22	17♉29	25♉48	17♉27	11♐ 5	4♉35	27♌58	4♉13	0♓20	0♓19	26♎51	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s 7	3n30	1s34	16s44	0s44	17s11	6n35	18n15	2n 4	16n 8	0s27	21s 8	1n 3	24s 7	0s23	13n29	1n29	29s14	5s31	11s29	11s 0	13s 9		n.a.
S 2	18 52	2s17	2 35	15 59	0 33	17 17	6 28	18 22	2 4	16 9	0 27	21 8	1 3	24 7	0 23	13 30	1 29	29 14	5 31	11 28	11 1	13 12		n.a.
S 3	18 37	7 54	3 28	15 13	0 22	17 24	6 22	18 28	2 4	16 11	0 27	21 9	1 3	24 7	0 23	13 30	1 29	29 15	5 31	11 28	11 2	13 15		n.a.
M 4	18 21	13 12	4 13	14 27	0 11	17 30	6 15	18 35	2 3	16 12	0 27	21 10	1 3	24 7	0 23	13 31	1 29	29 15	5 31	11 27	11 4	13 18		n.a.
T 5	18 5	18 1	4 46	13 40	0n 1	17 37	6 8	18 42	2 3	16 13	0 27	21 10	1 3	24 7	0 23	13 31	1 29	29 15	5 31	11 27	11 5	13 21		n.a.
W 6	17 48	22 10	5 7	12 53	0 13	17 44	6 1	18 49	2 3	16 14	0 26	21 11	1 3	24 7	0 23	13 32	1 29	29 15	5 31	11 27	11 6	13 24		n.a.
T 7	17 32	25 27	5 15	12 6	0 26	17 50	5 53	18 56	2 2	16 16	0 26	21 12	1 3	24 7	0 23	13 33	1 29	29 15	5 32	11 27	11 7	13 27		n.a.
F 8	17 15	27 38	5 9	11 20	0 39	17 57	5 46	19 3	2 2	16 17	0 26	21 12	1 3	24 7	0 23	13 33	1 29	29 15	5 32	11 28	11 8	13 30		n.a.
S 9	16 58	28 28	4 48	10 34	0 53	18 4	5 38	19 10	2 2	16 19	0 26	21 13	1 3	24 7	0 23	13 34	1 29	29 15	5 32	11 29	11 9	13 33		n.a.
S 10	16 40	27 47	4 13	9 50	1 6	18 10	5 31	19 17	2 2	16 20	0 25	21 14	1 3	24 7	0 23	13 34	1 29	29 15	5 32	11 30	11 10	13 36		n.a.
M11	16 22	25 31	3 22	9 7	1 20	18 17	5 23	19 24	2 1	16 22	0 25	21 14	1 3	24 7	0 23	13 35	1 29	29 16	5 32	11 30	11 12	13 39		n.a.
T 12	16 4	21 45	2 20	8 26	1 34	18 23	5 15	19 31	2 1	16 24	0 25	21 15	1 3	24 7	0 23	13 36	1 29	29 16	5 32	11 31	11 13	13 42		n.a.
W13	15 46	16 42	1 7	7 47	1 47	18 29	5 7	19 38	2 1	16 25	0 25	21 15	1 3	24 7	0 24	13 36	1 29	29 16	5 33	11 31	11 14	13 45		n.a.
T 14	15 27	10 39	0n11	7 10	2 1	18 35	5 0	19 45	2 1	16 27	0 25	21 16	1 3	24 7	0 24	13 37	1 29	29 16	5 33	11 31	11 15	13 48		n.a.
F 15	15 9	3 59	1 29	6 37	2 14	18 41	4 52	19 52	2 0	16 29	0 24	21 17	1 3	24 7	0 24	13 37	1 29	29 16	5 33	11 31	11 16	13 51		n.a.
S 16	14 50	2n55	2 42	6 6	2 26	18 46	4 44	19 59	2 0	16 31	0 24	21 17	1 3	24 7	0 24	13 38	1 29	29 16	5 33	11 31	11 17	13 54		n.a.
S 17	14 30	9 40	3 45	5 39	2 38	18 51	4 36	20 6	2 0	16 33	0 24	21 18	1 3	24 6	0 24	13 38	1 30	29 16	5 33	11 31	11 19	13 57		n.a.
M18	14 11	15 53	4 34	5 15	2 49	18 57	4 28	20 13	1 59	16 35	0 24	21 18	1 3	24 6	0 24	13 39	1 30	29 17	5 34	11 31	11 20	14 0		n.a.
T 19	13 51	21 11	5 5	4 55	2 59	19 1	4 20	20 20	1 59	16 36	0 24	21 19	1 4	24 6	0 24	13 40	1 30	29 17	5 34	11 30	11 21	14 3		n.a.
W20	13 31	25 13	5 17	4 39	3 9	19 6	4 13	20 27	1 59	16 38	0 23	21 19	1 4	24 6	0 24	13 40	1 30	29 17	5 34	11 30	11 22	14 6		n.a.
T 21	13 11	27 43	5 10	4 26	3 17	19 10	4 5	20 34	1 58	16 41	0 23	21 20	1 4	24 6	0 24	13 41	1 30	29 17	5 34	11 30	11 23	14 9		n.a.
F 22	12 51	28 29	4 46	4 18	3 24	19 14	3 57	20 41	1 58	16 43	0 23	21 20	1 4	24 6	0 24	13 41	1 30	29 17	5 34	11 31	11 24	14 12		n.a.
S 23	12 30	27 31	4 6	4 14	3 30	19 17	3 49	20 48	1 58	16 45	0 23	21 20	1 4	24 6	0 24	13 42	1 30	29 17	5 35	11 31	11 25	14 15		n.a.
S 24	12 10	25 0	3 14	4 13	3 34	19 20	3 41	20 55	1 58	16 47	0 23	21 21	1 4	24 6	0 24	13 43	1 30	29 17	5 35	11 31	11 26	14 18		n.a.
M25	11 49	21 13	2 12	4 17	3 37	19 23	3 34	21 2	1 57	16 49	0 23	21 21	1 4	24 6	0 24	13 43	1 30	29 18	5 35	11 31	11 28	14 21		n.a.
T 26	11 28	16 29	1 5	4 25	3 38	19 25	3 26	21 8	1 57	16 51	0 22	21 22	1 4	24 6	0 24	13 44	1 30	29 18	5 35	11 31	11 29	14 23		n.a.
W27	11 6	11 7	0s 5	4 36	3 37	19 27	3 18	21 15	1 57	16 54	0 22	21 22	1 4	24 6	0 24	13 44	1 30	29 18	5 35	11 31	11 30	14 26		n.a.
T 28	10s45	5n25	1s13	4s51	3n35	19s28	3n11	21n22	1n56	16n56	0s22	21s22	1n 4	24s 6	0s24	13n45	1n30	29s18	5s36	11s31	11s31	14s29		n.a.

Julian Day Number = 1468701.5, Delta T = 05h32m54s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'46, Lahiri = -13°30'45 Julian Calendar 1 Feb. 692 BCE == Greg. Calendar 25 Jan. 692 BCE

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

MARCH 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 5 37	3♓25'31	25♍48	8°R44	18♉19	26♉17	17♉35	11♐ 8	4♉37	27°R56	4♉14	0°R19	0♓16	26♎58	n.a.	F 1
S 2	10 9 33	4°24'25	7♎51	8♓ 2	19° 9	26°46	17°42	11°10	4°40	27♌55	4°15	0♓19	0°13	27° 5	n.a.	S 2
S 3	10 13 30	5°23'16	19°48	7°17	20° 0	27°16	17°50	11°13	4°42	27°53	4°16	0°18	0°10	27°11	n.a.	S 3
M 4	10 17 27	6°22'06	1♏40	6°31	20°52	27°45	17°58	11°15	4°44	27°51	4°17	0°18	0° 7	27°18	n.a.	M 4
T 5	10 21 23	7°20'54	13°32	5°44	21°44	28°14	18° 6	11°18	4°46	27°50	4°18	0°17	0° 3	27°25	n.a.	T 5
W 6	10 25 20	8°19'40	25°27	4°57	22°37	28°44	18°14	11°20	4°48	27°48	4°19	0°16	0° 0	27°32	n.a.	W 6
T 7	10 29 16	9°18'24	7♐30	4°11	23°31	29°14	18°23	11°22	4°50	27°46	4°20	0°D16	29♒57	27°38	n.a.	T 7
F 8	10 33 13	10°17'06	19°45	3°26	24°25	29°44	18°31	11°24	4°52	27°45	4°21	0°16	29°54	27°45	n.a.	F 8
S 9	10 37 9	11°15'47	2♑18	2°44	25°19	0♊14	18°40	11°26	4°54	27°43	4°22	0°17	29°51	27°52	n.a.	S 9
S 10	10 41 6	12°14'26	15°11	2° 6	26°15	0°44	18°49	11°28	4°56	27°42	4°23	0°18	29°47	27°58	n.a.	S 10
M11	10 45 2	13°13'03	28°27	1°31	27°10	1°14	18°57	11°30	4°57	27°40	4°24	0°19	29°44	28° 5	n.a.	M11
T 12	10 48 59	14°11'38	12♒ 9	1° 0	28° 6	1°44	19° 6	11°32	4°59	27°38	4°25	0°20	29°41	28°12	n.a.	T 12
W13	10 52 56	15°10'11	26°16	0°34	29° 3	2°15	19°15	11°33	5° 1	27°37	4°26	0°R20	29°38	28°18	n.a.	W13
T 14	10 56 52	16° 8'42	10♓44	0°12	0♒ 0	2°46	19°25	11°35	5° 2	27°35	4°26	0°20	29°35	28°25	n.a.	T 14
F 15	11 0 49	17° 7'11	25°29	29♒56	0°58	3°16	19°34	11°36	5° 4	27°34	4°27	0°19	29°32	28°32	n.a.	F 15
S 16	11 4 45	18° 5'38	10♈23	29°44	1°55	3°47	19°43	11°37	5° 6	27°32	4°28	0°17	29°28	28°39	n.a.	S 16
S 17	11 8 42	19° 4'03	25°18	29°38	2°54	4°18	19°53	11°39	5° 7	27°31	4°29	0°15	29°25	28°45	n.a.	S 17
M18	11 12 38	20° 2'26	10♉ 6	29°D37	3°52	4°49	20° 3	11°40	5° 9	27°29	4°29	0°13	29°22	28°52	n.a.	M18
T 19	11 16 35	21° 0'47	24°41	29°41	4°51	5°21	20°12	11°41	5°10	27°28	4°30	0°10	29°19	28°59	n.a.	T 19
W20	11 20 31	21°59'06	8♊57	29°50	5°51	5°52	20°22	11°42	5°12	27°26	4°31	0° 9	29°16	29° 5	n.a.	W20
T 21	11 24 28	22°57'22	22°54	0♓ 3	6°51	6°23	20°32	11°43	5°13	27°25	4°31	0°D 8	29°13	29°12	n.a.	T 21
F 22	11 28 24	23°55'36	6♋29	0°22	7°51	6°55	20°42	11°43	5°14	27°23	4°32	0° 9	29° 9	29°19	n.a.	F 22
S 23	11 32 21	24°53'49	19°44	0°45	8°51	7°27	20°52	11°44	5°15	27°22	4°32	0°10	29° 6	29°25	n.a.	S 23
S 24	11 36 18	25°51'58	2♌42	1°12	9°52	7°58	21° 3	11°44	5°17	27°21	4°33	0°12	29° 3	29°32	n.a.	S 24
M25	11 40 14	26°50'06	15°24	1°43	10°53	8°30	21°13	11°45	5°18	27°19	4°34	0°13	29° 0	29°39	n.a.	M25
T 26	11 44 11	27°48'12	27°53	2°19	11°54	9° 2	21°23	11°45	5°19	27°18	4°34	0°R14	28°57	29°46	n.a.	T 26
W27	11 48 7	28°46'16	10♍12	2°58	12°56	9°34	21°34	11°45	5°20	27°16	4°34	0°13	28°53	29°52	n.a.	W27
T 28	11 52 4	29°44'17	22°22	3°41	13°58	10° 7	21°45	11°46	5°21	27°15	4°35	0°12	28°50	29°59	n.a.	T 28
F 29	11 56 0	0♈42'17	4♎24	4°28	15° 0	10°39	21°55	11°R46	5°22	27°14	4°35	0° 8	28°47	0♏ 6	n.a.	F 29
S 30	11 59 57	1°40'16	16°21	5°18	16° 2	11°11	22° 6	11°46	5°23	27°12	4°36	0° 4	28°44	0°12	n.a.	S 30
S 31	12 3 53	2♈38'12	28♎15	6♓12	17♒ 5	11♊43	22♉17	11♐45	5♑24	27♌11	4♑36	29♒58	28♒41	0♏19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s24	0s24	2s17	5s10	3n31	19s29	3n 3	21n28	1n56	16n58	0s22	21s23	1n 4	24s 6	0s24	13n46	1n30	29s18	5s36	11s31	11s32	14s32		n.a.
S 2	10 2	6 7	3 13	5 31	3 25	19 30	2 56	21 35	1 56	17 1	0 22	21 23	1 4	24 6	0 24	13 46	1 30	29 18	5 36	11 31	11 33	14 35		n.a.
S 3	9 40	11 33	4 1	5 54	3 18	19 30	2 48	21 42	1 55	17 3	0 21	21 23	1 4	24 6	0 24	13 47	1 30	29 19	5 36	11 31	11 34	14 38		n.a.
M 4	9 18	16 33	4 38	6 19	3 9	19 29	2 41	21 48	1 55	17 5	0 21	21 24	1 4	24 6	0 24	13 47	1 30	29 19	5 36	11 32	11 36	14 41		n.a.
T 5	8 56	20 56	5 3	6 47	2 59	19 28	2 34	21 55	1 55	17 8	0 21	21 24	1 4	24 6	0 24	13 48	1 30	29 19	5 37	11 32	11 37	14 44		n.a.
W 6	8 34	24 30	5 16	7 15	2 47	19 27	2 26	22 1	1 54	17 10	0 21	21 24	1 4	24 6	0 24	13 48	1 30	29 19	5 37	11 32	11 38	14 47		n.a.
T 7	8 12	27 2	5 14	7 43	2 34	19 25	2 19	22 7	1 54	17 13	0 21	21 25	1 4	24 5	0 24	13 49	1 30	29 19	5 37	11 32	11 39	14 50		n.a.
F 8	7 49	28 20	4 59	8 12	2 21	19 22	2 12	22 14	1 54	17 15	0 21	21 25	1 4	24 5	0 24	13 50	1 30	29 19	5 37	11 32	11 40	14 53		n.a.
S 9	7 27	28 14	4 29	8 41	2 6	19 20	2 5	22 20	1 53	17 18	0 20	21 25	1 4	24 5	0 24	13 50	1 30	29 20	5 37	11 32	11 41	14 56		n.a.
S 10	7 4	26 37	3 45	9 9	1 51	19 16	1 58	22 26	1 53	17 20	0 20	21 25	1 4	24 5	0 24	13 51	1 30	29 20	5 38	11 32	11 42	14 58		n.a.
M11	6 41	23 30	2 47	9 37	1 35	19 12	1 51	22 32	1 53	17 23	0 20	21 25	1 4	24 5	0 24	13 51	1 30	29 20	5 38	11 31	11 43	15 1		n.a.
T 12	6 18	18 58	1 39	10 2	1 19	19 8	1 45	22 38	1 52	17 26	0 20	21 26	1 4	24 5	0 24	13 52	1 30	29 20	5 38	11 31	11 45	15 4		n.a.
W13	5 55	13 18	0 23	10 27	1 3	19 3	1 38	22 44	1 52	17 28	0 20	21 26	1 4	24 5	0 24	13 52	1 30	29 20	5 38	11 31	11 46	15 7		n.a.
T 14	5 32	6 46	0n57	10 49	0 47	18 57	1 31	22 50	1 52	17 31	0 20	21 26	1 4	24 5	0 24	13 53	1 30	29 21	5 39	11 31	11 47	15 10		n.a.
F 15	5 9	0n14	2 14	11 10	0 32	18 51	1 25	22 56	1 51	17 34	0 19	21 26	1 4	24 5	0 24	13 53	1 30	29 21	5 39	11 31	11 48	15 13		n.a.
S 16	4 46	7 16	3 23	11 28	0 16	18 44	1 18	23 1	1 51	17 37	0 19	21 26	1 4	24 5	0 24	13 54	1 30	29 21	5 39	11 32	11 49	15 16		n.a.
S 17	4 23	13 55	4 18	11 45	0 1	18 37	1 12	23 7	1 51	17 39	0 19	21 26	1 4	24 5	0 24	13 54	1 30	29 21	5 39	11 33	11 50	15 19		n.a.
M18	4 0	19 43	4 56	11 59	0s14	18 30	1 6	23 12	1 50	17 42	0 19	21 27	1 4	24 5	0 24	13 55	1 30	29 21	5 39	11 33	11 51	15 22		n.a.
T 19	3 37	24 16	5 13	12 11	0 28	18 22	1 0	23 18	1 50	17 45	0 19	21 27	1 4	24 5	0 24	13 56	1 30	29 22	5 40	11 34	11 53	15 24		n.a.
W20	3 13	27 14	5 11	12 20	0 42	18 13	0 54	23 23	1 50	17 48	0 19	21 27	1 4	24 5	0 24	13 56	1 30	29 22	5 40	11 35	11 54	15 27		n.a.
T 21	2 50	28 25	4 51	12 28	0 55	18 4	0 48	23 29	1 49	17 51	0 18	21 27	1 4	24 5	0 24	13 57	1 30	29 22	5 40	11 35	11 55	15 30		n.a.
F 22	2 27	27 51	4 14	12 33	1 7	17 54	0 42	23 34	1 49	17 53	0 18	21 27	1 4	24 5	0 24	13 57	1 30	29 22	5 40	11 35	11 56	15 33		n.a.
S 23	2 3	25 41	3 24	12 35	1 19	17 44	0 36	23 39	1 48	17 56	0 18	21 27	1 4	24 5	0 24	13 57	1 30	29 22	5 41	11 34	11 57	15 36		n.a.
S 24	1 40	22 12	2 26	12 36	1 30	17 33	0 30	23 44	1 48	17 59	0 18	21 27	1 5	24 5	0 24	13 58	1 30	29 23	5 41	11 34	11 58	15 39		n.a.
M25	1 17	17 44	1 21	12 34	1 40	17 21	0 25	23 49	1 48	18 2	0 18	21 27	1 5	24 5	0 25	13 58	1 29	29 23	5 41	11 33	11 59	15 42		n.a.
T 26	0 53	12 35	0 13	12 30	1 49	17 10	0 19	23 53	1 47	18 5	0 18	21 27	1 5	24 5	0 25	13 59	1 29	29 23	5 41	11 33	12 0	15 44		n.a.
W27	0 30	7 1	0s54	12 24	1 58	16 57	0 14	23 58	1 47	18 8	0 17	21 27	1 5	24 5	0 25	13 59	1 29	29 23	5 41	11 33	12 2	15 47		n.a.
T 28	0 6	1 16	1 58	12 15	2 6	16 44	0 8	24 2	1 47	18 11	0 17	21 27	1 5	24 5	0 25	14 0	1 29	29 24	5 42	11 34	12 3	15 50		n.a.
F 29	0n17	4s28	2 56	12 5	2 14	16 31	0 3	24 7	1 46	18 14	0 17	21 27	1 5	24 5	0 25	14 0	1 29	29 24	5 42	11 35	12 4	15 53		n.a.
S 30	0 40	9 59	3 46	11 52	2 21	16 17	0s 2	24 11	1 46	18 17	0 17	21 27	1 5	24 5	0 25	14 1	1 29	29 24	5 42	11 37	12 5	15 56		n.a.
S 31	1n 4	15s 7	4s25	11s38	2s27	16s 3	0s 7	24n15	1n46	18n20	0s17	21s27	1n 5	24s 5	0s25	14n 1	1n29	29s24	5s42	11s39	12s 6	15s58		n.a.

Julian Day Number = 1468729.5, Delta T = 05h32m53s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'42, Lahiri = -13°30'42 Julian Calendar 1 March 692 BCE == Greg. Calendar 22 Feb. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

APRIL 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 7 50	3♈36'07	10♏ 6	7♓ 8	18♒ 8	12♊16	22♉28	11°R45	5♑25	27°R10	4♑36	29°R52	28♒38	0♏26	n.a.	M 1
T 2	12 11 47	4°34'01	21°59	8° 8	19°11	12°49	22°39	11♐45	5°25	27♌ 9	4°37	29♒46	28°34	0°33	n.a.	T 2
W 3	12 15 43	5°31'53	3♐55	9°10	20°15	13°21	22°50	11°44	5°26	27° 7	4°37	29°41	28°31	0°39	n.a.	W 3
T 4	12 19 40	6°29'44	15°57	10°16	21°18	13°54	23° 1	11°44	5°27	27° 6	4°37	29°38	28°28	0°46	n.a.	T 4
F 5	12 23 36	7°27'34	28°11	11°24	22°22	14°27	23°12	11°43	5°27	27° 5	4°37	29°36	28°25	0°53	n.a.	F 5
S 6	12 27 33	8°25'22	10♑40	12°35	23°26	15° 0	23°24	11°42	5°28	27° 4	4°38	29°D35	28°22	0°59	n.a.	S 6
S 7	12 31 29	9°23'09	23°28	13°48	24°30	15°33	23°35	11°42	5°28	27° 3	4°38	29°36	28°18	1° 6	n.a.	S 7
M 8	12 35 26	10°20'54	6♒40	15° 4	25°35	16° 6	23°47	11°41	5°29	27° 2	4°38	29°37	28°15	1°13	n.a.	M 8
T 9	12 39 22	11°18'38	20°18	16°22	26°40	16°39	23°58	11°40	5°29	27° 1	4°38	29°39	28°12	1°19	n.a.	T 9
W10	12 43 19	12°16'21	4♓23	17°43	27°44	17°12	24°10	11°39	5°30	26°59	4°38	29°R39	28° 9	1°26	n.a.	W10
T 11	12 47 16	13°14'03	18°55	19° 6	28°49	17°46	24°22	11°37	5°30	26°58	4°38	29°37	28° 6	1°33	n.a.	T 11
F 12	12 51 12	14°11'43	3♈49	20°32	29°55	18°19	24°33	11°36	5°30	26°57	4°38	29°34	28° 3	1°40	n.a.	F 12
S 13	12 55 9	15° 9'22	18°58	22° 0	1♓ 0	18°52	24°45	11°35	5°31	26°56	4°R38	29°29	27°59	1°46	n.a.	S 13
S 14	12 59 5	16° 7'00	4♉12	23°30	2° 6	19°26	24°57	11°33	5°31	26°55	4°38	29°22	27°56	1°53	n.a.	S 14
M15	13 3 2	17° 4'36	19°20	25° 2	3°11	20° 0	25° 9	11°32	5°31	26°55	4°38	29°15	27°53	2° 0	n.a.	M15
T 16	13 6 58	18° 2'11	4♊13	26°37	4°17	20°33	25°21	11°30	5°31	26°54	4°38	29° 9	27°50	2° 6	n.a.	T 16
W17	13 10 55	18°59'45	18°44	28°14	5°23	21° 7	25°33	11°28	5°R31	26°53	4°38	29° 4	27°47	2°13	n.a.	W17
T 18	13 14 51	19°57'16	2♋48	29°53	6°29	21°41	25°46	11°26	5°31	26°52	4°38	29° 0	27°44	2°20	n.a.	T 18
F 19	13 18 48	20°54'47	16°26	1♈34	7°36	22°15	25°58	11°24	5°31	26°51	4°38	28°D59	27°40	2°27	n.a.	F 19
S 20	13 22 45	21°52'15	29°38	3°18	8°42	22°49	26°10	11°22	5°31	26°50	4°38	28°59	27°37	2°33	n.a.	S 20
S 21	13 26 41	22°49'42	12♌28	5° 3	9°49	23°23	26°22	11°20	5°31	26°50	4°37	29° 0	27°34	2°40	n.a.	S 21
M22	13 30 38	23°47'08	25° 0	6°51	10°55	23°57	26°35	11°18	5°30	26°49	4°37	29°R 1	27°31	2°47	n.a.	M22
T 23	13 34 34	24°44'32	7♍17	8°41	12° 2	24°31	26°47	11°16	5°30	26°48	4°37	29° 1	27°28	2°53	n.a.	T 23
W24	13 38 31	25°41'55	19°24	10°34	13° 9	25° 5	27° 0	11°14	5°30	26°47	4°37	28°58	27°24	3° 0	n.a.	W24
T 25	13 42 27	26°39'17	1♎24	12°28	14°16	25°40	27°12	11°11	5°30	26°47	4°36	28°54	27°21	3° 7	n.a.	T 25
F 26	13 46 24	27°36'38	13°19	14°25	15°23	26°14	27°25	11° 9	5°29	26°46	4°36	28°47	27°18	3°14	n.a.	F 26
S 27	13 50 20	28°33'57	25°11	16°23	16°31	26°48	27°37	11° 6	5°29	26°45	4°35	28°38	27°15	3°20	n.a.	S 27
S 28	13 54 17	29°31'16	7♏ 3	18°24	17°38	27°23	27°50	11° 3	5°28	26°45	4°35	28°27	27°12	3°27	n.a.	S 28
M29	13 58 14	0♉28'33	18°56	20°26	18°46	27°57	28° 3	11° 1	5°28	26°44	4°35	28°16	27° 9	3°34	n.a.	M29
T 30	14 2 10	1♉25'50	0♐51	22♈31	19♓53	28♊32	28♉15	10♐58	5♑27	26♌44	4♑34	28♒ 4	27♒ 5	3♏40	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n27	19s40	4s53	11s21	2s32	15s48	0s12	24n20	1n45	18n23	0s17	21s27	1n 5	24s 5	0s25	14n 2	1n29	29s24	5s43	11s41	12s 7	16s 1		n.a.
T 2	1 50	23 28	5 8	11 3	2 36	15 33	0 17	24 23	1 45	18 26	0 17	21 27	1 5	24 5	0 25	14 2	1 29	29 25	5 43	11 43	12 8	16 4		n.a.
W 3	2 14	26 18	5 10	10 43	2 40	15 17	0 21	24 27	1 45	18 29	0 16	21 27	1 5	24 5	0 25	14 2	1 29	29 25	5 43	11 45	12 9	16 7		n.a.
T 4	2 37	27 58	4 58	10 21	2 44	15 1	0 26	24 31	1 44	18 32	0 16	21 27	1 5	24 5	0 25	14 3	1 29	29 25	5 43	11 46	12 10	16 10		n.a.
F 5	3 0	28 19	4 33	9 57	2 46	14 44	0 31	24 35	1 44	18 35	0 16	21 27	1 5	24 5	0 25	14 3	1 29	29 25	5 44	11 47	12 12	16 12		n.a.
S 6	3 23	27 15	3 55	9 31	2 48	14 27	0 35	24 38	1 43	18 38	0 16	21 26	1 5	24 5	0 25	14 4	1 29	29 26	5 44	11 47	12 13	16 15		n.a.
S 7	3 46	24 43	3 4	9 3	2 49	14 9	0 39	24 42	1 43	18 41	0 16	21 26	1 5	24 5	0 25	14 4	1 29	29 26	5 44	11 46	12 14	16 18		n.a.
M 8	4 9	20 50	2 1	8 34	2 50	13 51	0 43	24 45	1 43	18 44	0 16	21 26	1 5	24 5	0 25	14 4	1 29	29 26	5 44	11 46	12 15	16 21		n.a.
T 9	4 32	15 44	0 51	8 3	2 50	13 33	0 47	24 48	1 42	18 47	0 16	21 26	1 5	24 5	0 25	14 5	1 29	29 26	5 45	11 45	12 16	16 24		n.a.
W10	4 55	9 38	0n26	7 31	2 49	13 14	0 51	24 51	1 42	18 50	0 15	21 26	1 5	24 5	0 25	14 5	1 29	29 26	5 45	11 45	12 17	16 26		n.a.
T 11	5 18	2 53	1 42	6 56	2 48	12 55	0 55	24 54	1 42	18 53	0 15	21 26	1 5	24 5	0 25	14 5	1 29	29 27	5 45	11 46	12 18	16 29		n.a.
F 12	5 41	4n12	2 54	6 21	2 46	12 35	0 59	24 56	1 41	18 56	0 15	21 25	1 5	24 5	0 25	14 6	1 29	29 27	5 45	11 47	12 19	16 32		n.a.
S 13	6 3	11 8	3 54	5 43	2 44	12 15	1 3	24 59	1 41	18 59	0 15	21 25	1 5	24 5	0 25	14 6	1 29	29 27	5 45	11 49	12 21	16 35		n.a.
S 14	6 26	17 27	4 39	5 4	2 41	11 54	1 6	25 1	1 41	19 2	0 15	21 25	1 5	24 5	0 25	14 6	1 29	29 27	5 46	11 51	12 22	16 37		n.a.
M15	6 48	22 39	5 3	4 24	2 37	11 34	1 10	25 4	1 40	19 5	0 15	21 25	1 5	24 5	0 25	14 7	1 29	29 28	5 46	11 54	12 23	16 40		n.a.
T 16	7 10	26 18	5 6	3 42	2 33	11 12	1 13	25 6	1 40	19 8	0 15	21 25	1 5	24 5	0 25	14 7	1 29	29 28	5 46	11 56	12 24	16 43		n.a.
W17	7 33	28 6	4 50	2 58	2 28	10 51	1 16	25 8	1 39	19 11	0 15	21 24	1 5	24 5	0 25	14 7	1 29	29 28	5 46	11 58	12 25	16 46		n.a.
T 18	7 55	28 1	4 16	2 13	2 23	10 29	1 19	25 10	1 39	19 14	0 14	21 24	1 5	24 5	0 25	14 7	1 29	29 28	5 47	11 59	12 26	16 48		n.a.
F 19	8 17	26 12	3 28	1 27	2 17	10 7	1 22	25 12	1 39	19 17	0 14	21 24	1 5	24 5	0 25	14 8	1 29	29 29	5 47	12 0	12 27	16 51		n.a.
S 20	8 38	22 59	2 31	0 40	2 10	9 44	1 25	25 13	1 38	19 20	0 14	21 23	1 5	24 5	0 25	14 8	1 29	29 29	5 47	12 0	12 28	16 54		n.a.
S 21	9 0	18 42	1 28	0n 9	2 3	9 21	1 28	25 15	1 38	19 24	0 14	21 23	1 5	24 5	0 25	14 8	1 29	29 29	5 47	11 59	12 29	16 57		n.a.
M22	9 22	13 43	0 22	0 59	1 56	8 58	1 31	25 16	1 38	19 27	0 14	21 23	1 5	24 5	0 25	14 8	1 29	29 29	5 48	11 59	12 30	16 59		n.a.
T 23	9 43	8 16	0s44	1 51	1 48	8 35	1 33	25 17	1 37	19 30	0 14	21 23	1 5	24 5	0 25	14 9	1 29	29 30	5 48	11 59	12 32	17 2		n.a.
W24	10 4	2 37	1 47	2 43	1 40	8 11	1 36	25 18	1 37	19 33	0 14	21 22	1 5	24 5	0 25	14 9	1 29	29 30	5 48	12 0	12 33	17 5		n.a.
T 25	10 25	3s 4	2 44	3 36	1 31	7 47	1 38	25 19	1 36	19 36	0 14	21 22	1 5	24 5	0 25	14 9	1 29	29 30	5 48	12 1	12 34	17 7		n.a.
F 26	10 46	8 36	3 34	4 31	1 22	7 22	1 40	25 20	1 36	19 39	0 13	21 21	1 5	24 5	0 25	14 9	1 29	29 30	5 49	12 4	12 35	17 10		n.a.
S 27	11 7	13 48	4 14	5 26	1 12	6 58	1 42	25 20	1 36	19 42	0 13	21 21	1 5	24 5	0 25	14 9	1 29	29 30	5 49	12 7	12 36	17 13		n.a.
S 28	11 28	18 30	4 42	6 21	1 2	6 33	1 44	25 21	1 35	19 45	0 13	21 21	1 5	24 5	0 25	14 10	1 29	29 31	5 49	12 11	12 37	17 16		n.a.
M29	11 48	22 29	4 59	7 18	0 52	6 8	1 46	25 21	1 35	19 48	0 13	21 20	1 5	24 5	0 26	14 10	1 29	29 31	5 49	12 15	12 38	17 18		n.a.
T 30	12n 8	25s33	5s 2	8n14	0s42	5s43	1s48	25n21	1n34	19n51	0s13	21s20	1n 5	24s 6	0s26	14n10	1n29	29s31	5s49	12s19	12s39	17s21		n.a.

Julian Day Number = 1468760.5, Delta T = 05h32m51s
Ecliptic obliquity = 23°46'51, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'38, Lahiri = -13°30'37 Julian Calendar 1 Apr. 692 BCE == Greg. Calendar 25 March 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

MAY 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 6 7	2♉23'06	12♐51	24♈36	21♓ 1	29♊ 7	28♉28	10°R55	5°R26	26°R43	4°R34	27°R54	27♒ 2	3♏47	n.a.	W 1
T 2	14 10 3	3°20'22	24°57	26°44	22° 9	29°41	28°41	10♐52	5♑26	26♌43	4♑33	27♒46	26°59	3°54	n.a.	T 2
F 3	14 14 0	4°17'36	7♑13	28°53	23°17	0♋16	28°54	10°49	5°25	26°43	4°33	27°41	26°56	4° 1	n.a.	F 3
S 4	14 17 56	5°14'51	19°41	1♉ 2	24°25	0°51	29° 7	10°46	5°24	26°42	4°32	27°37	26°53	4° 7	n.a.	S 4
S 5	14 21 53	6°12'05	2♒27	3°13	25°33	1°26	29°20	10°43	5°23	26°42	4°32	27°D36	26°50	4°14	n.a.	S 5
M 6	14 25 49	7° 9'18	15°33	5°24	26°41	2° 1	29°33	10°39	5°23	26°41	4°31	27°36	26°46	4°21	n.a.	M 6
T 7	14 29 46	8° 6'31	29° 4	7°36	27°50	2°36	29°46	10°36	5°22	26°41	4°30	27°R37	26°43	4°27	n.a.	T 7
W 8	14 33 43	9° 3'43	13♓ 1	9°48	28°58	3°11	29°59	10°33	5°21	26°41	4°30	27°36	26°40	4°34	n.a.	W 8
T 9	14 37 39	10° 0'55	27°25	11°59	0♈ 7	3°46	0♊12	10°29	5°20	26°41	4°29	27°33	26°37	4°41	n.a.	T 9
F 10	14 41 36	10°58'07	12♈15	14°10	1°16	4°21	0°25	10°26	5°19	26°41	4°29	27°28	26°34	4°48	n.a.	F 10
S 11	14 45 32	11°55'18	27°22	16°21	2°24	4°56	0°38	10°22	5°18	26°40	4°28	27°20	26°30	4°54	n.a.	S 11
S 12	14 49 29	12°52'29	12♉40	18°30	3°33	5°32	0°51	10°18	5°16	26°40	4°27	27°10	26°27	5° 1	n.a.	S 12
M13	14 53 25	13°49'39	27°55	20°38	4°42	6° 7	1° 5	10°15	5°15	26°40	4°26	27° 0	26°24	5° 8	n.a.	M13
T 14	14 57 22	14°46'49	12♊58	22°45	5°51	6°43	1°18	10°11	5°14	26°40	4°26	26°50	26°21	5°14	n.a.	T 14
W15	15 1 18	15°43'59	27°39	24°50	7° 0	7°18	1°31	10° 7	5°13	26°40	4°25	26°42	26°18	5°21	n.a.	W15
T 16	15 5 15	16°41'08	11♋53	26°54	8°10	7°54	1°44	10° 3	5°11	26°D40	4°24	26°36	26°15	5°28	n.a.	T 16
F 17	15 9 12	17°38'16	25°37	28°56	9°19	8°29	1°58	10° 0	5°10	26°40	4°23	26°32	26°11	5°35	n.a.	F 17
S 18	15 13 8	18°35'23	8♌53	0♊55	10°28	9° 5	2°11	9°56	5° 9	26°40	4°22	26°31	26° 8	5°41	n.a.	S 18
S 19	15 17 5	19°32'30	21°43	2°53	11°38	9°40	2°24	9°52	5° 7	26°40	4°21	26°31	26° 5	5°48	n.a.	S 19
M20	15 21 1	20°29'36	4♍12	4°49	12°47	10°16	2°38	9°48	5° 6	26°40	4°21	26°31	26° 2	5°55	n.a.	M20
T 21	15 24 58	21°26'42	16°25	6°43	13°57	10°52	2°51	9°44	5° 4	26°40	4°20	26°29	25°59	6° 1	n.a.	T 21
W22	15 28 54	22°23'47	28°27	8°35	15° 6	11°28	3° 4	9°39	5° 3	26°41	4°19	26°26	25°55	6° 8	n.a.	W22
T 23	15 32 51	23°20'52	10♎22	10°24	16°16	12° 4	3°18	9°35	5° 1	26°41	4°18	26°21	25°52	6°15	n.a.	T 23
F 24	15 36 48	24°17'57	22°13	12°11	17°26	12°40	3°31	9°31	5° 0	26°41	4°17	26°12	25°49	6°22	n.a.	F 24
S 25	15 40 44	25°15'01	4♏ 5	13°57	18°36	13°16	3°45	9°27	4°58	26°41	4°16	26° 1	25°46	6°28	n.a.	S 25
S 26	15 44 41	26°12'05	15°58	15°40	19°46	13°52	3°58	9°23	4°56	26°42	4°15	25°48	25°43	6°35	n.a.	S 26
M27	15 48 37	27° 9'10	27°54	17°20	20°56	14°28	4°12	9°19	4°55	26°42	4°14	25°35	25°40	6°42	n.a.	M27
T 28	15 52 34	28° 6'14	9♐56	18°59	22° 6	15° 4	4°25	9°14	4°53	26°42	4°13	25°21	25°36	6°48	n.a.	T 28
W29	15 56 30	29° 3'18	22° 3	20°36	23°16	15°40	4°39	9°10	4°51	26°43	4°12	25° 9	25°33	6°55	n.a.	W29
T 30	16 0 27	0♊ 0'23	4♑18	22°10	24°26	16°16	4°52	9° 6	4°49	26°43	4°11	24°59	25°30	7° 2	n.a.	T 30
F 31	16 4 23	0♊57'28	16♑42	23♊42	25♈36	16♋53	5♊ 5	9♐ 1	4♑47	26♌44	4♑ 9	24♒52	25♒27	7♏ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	12n28	27s30	4s53	9n11	0s31	5s17	1s50	25n21	1n34	19n54	0s13	21s20	1n 5	24s 6	0s26	14n10	1n28	29s31	5s50	12s22	12s40	17s24			n.a.
T 2	12 48	28 11	4 30	10 8	0 20	4 51	1 51	25 21	1 34	19 57	0 13	21 19	1 5	24 6	0 26	14 10	1 28	29 32	5 50	12 25	12 42	17 26			n.a.
F 3	13 8	27 29	3 54	11 5	0 10	4 26	1 53	25 20	1 33	20 0	0 13	21 19	1 5	24 6	0 26	14 10	1 28	29 32	5 50	12 27	12 43	17 29			n.a.
S 4	13 27	25 24	3 7	12 1	0n 1	3 59	1 54	25 20	1 33	20 3	0 12	21 18	1 5	24 6	0 26	14 10	1 28	29 32	5 50	12 28	12 44	17 32			n.a.
S 5	13 47	22 0	2 9	12 57	0 12	3 33	1 55	25 19	1 33	20 6	0 12	21 18	1 5	24 6	0 26	14 10	1 28	29 32	5 51	12 29	12 45	17 34			n.a.
M 6	14 6	17 25	1 4	13 51	0 22	3 7	1 57	25 18	1 32	20 9	0 12	21 17	1 5	24 6	0 26	14 10	1 28	29 33	5 51	12 29	12 46	17 37			n.a.
T 7	14 25	11 51	0n 8	14 45	0 32	2 40	1 58	25 17	1 32	20 12	0 12	21 17	1 5	24 6	0 26	14 10	1 28	29 33	5 51	12 28	12 47	17 40			n.a.
W 8	14 43	5 31	1 21	15 37	0 42	2 13	1 59	25 16	1 31	20 14	0 12	21 16	1 5	24 6	0 26	14 11	1 28	29 33	5 51	12 29	12 48	17 42			n.a.
T 9	15 2	1n16	2 31	16 28	0 52	1 47	2 0	25 15	1 31	20 17	0 12	21 16	1 5	24 6	0 26	14 11	1 28	29 33	5 51	12 30	12 49	17 45			n.a.
F 10	15 20	8 10	3 33	17 17	1 1	1 20	2 0	25 13	1 31	20 20	0 12	21 16	1 5	24 6	0 26	14 11	1 28	29 34	5 52	12 32	12 50	17 47			n.a.
S 11	15 38	14 44	4 21	18 4	1 9	0 53	2 1	25 11	1 30	20 23	0 12	21 15	1 5	24 6	0 26	14 11	1 28	29 34	5 52	12 34	12 51	17 50			n.a.
S 12	15 55	20 29	4 52	18 49	1 17	0 25	2 2	25 10	1 30	20 26	0 11	21 15	1 5	24 6	0 26	14 11	1 28	29 34	5 52	12 38	12 53	17 53			n.a.
M13	16 13	24 52	5 1	19 32	1 25	0n 2	2 2	25 8	1 29	20 29	0 11	21 14	1 5	24 6	0 26	14 11	1 28	29 34	5 52	12 41	12 54	17 55			n.a.
T 14	16 30	27 28	4 49	20 12	1 32	0 29	2 3	25 5	1 29	20 32	0 11	21 14	1 5	24 6	0 26	14 11	1 28	29 35	5 52	12 45	12 55	17 58			n.a.
W15	16 47	28 4	4 19	20 50	1 38	0 57	2 3	25 3	1 29	20 35	0 11	21 13	1 5	24 6	0 26	14 11	1 28	29 35	5 53	12 48	12 56	18 1			n.a.
T 16	17 4	26 46	3 33	21 25	1 43	1 24	2 3	25 1	1 28	20 37	0 11	21 12	1 5	24 7	0 26	14 11	1 28	29 35	5 53	12 50	12 57	18 3			n.a.
F 17	17 20	23 52	2 36	21 58	1 48	1 52	2 3	24 58	1 28	20 40	0 11	21 12	1 5	24 7	0 26	14 11	1 28	29 35	5 53	12 51	12 58	18 6			n.a.
S 18	17 36	19 46	1 32	22 28	1 52	2 19	2 3	24 55	1 27	20 43	0 11	21 11	1 5	24 7	0 26	14 10	1 28	29 35	5 53	12 51	12 59	18 8			n.a.
S 19	17 52	14 52	0 25	22 56	1 56	2 47	2 3	24 52	1 27	20 46	0 11	21 11	1 5	24 7	0 26	14 10	1 28	29 36	5 53	12 51	13 0	18 11			n.a.
M20	18 8	9 29	0s41	23 21	1 59	3 14	2 3	24 49	1 27	20 49	0 11	21 10	1 5	24 7	0 26	14 10	1 28	29 36	5 54	12 51	13 1	18 14			n.a.
T 21	18 23	3 51	1 43	23 43	2 1	3 42	2 3	24 46	1 26	20 51	0 10	21 10	1 5	24 7	0 26	14 10	1 28	29 36	5 54	12 52	13 2	18 16			n.a.
W22	18 38	1s49	2 40	24 3	2 2	4 9	2 2	24 42	1 26	20 54	0 10	21 9	1 5	24 7	0 26	14 10	1 28	29 36	5 54	12 53	13 3	18 19			n.a.
T 23	18 52	7 22	3 29	24 21	2 3	4 37	2 2	24 39	1 25	20 57	0 10	21 9	1 4	24 7	0 26	14 10	1 28	29 37	5 54	12 55	13 5	18 21			n.a.
F 24	19 7	12 37	4 9	24 36	2 3	5 4	2 2	24 35	1 25	21 0	0 10	21 8	1 4	24 7	0 26	14 10	1 28	29 37	5 54	12 58	13 6	18 24			n.a.
S 25	19 21	17 24	4 38	24 49	2 2	5 32	2 1	24 31	1 25	21 2	0 10	21 7	1 4	24 7	0 26	14 10	1 28	29 37	5 55	13 1	13 7	18 26			n.a.
S 26	19 35	21 33	4 55	25 0	2 1	5 59	2 0	24 27	1 24	21 5	0 10	21 7	1 4	24 7	0 26	14 10	1 28	29 37	5 55	13 6	13 8	18 29			n.a.
M27	19 48	24 49	4 59	25 8	1 59	6 26	1 59	24 22	1 24	21 8	0 10	21 6	1 4	24 7	0 26	14 9	1 27	29 37	5 55	13 11	13 9	18 32			n.a.
T 28	20 1	27 2	4 50	25 15	1 56	6 53	1 59	24 18	1 23	21 10	0 10	21 6	1 4	24 8	0 26	14 9	1 27	29 38	5 55	13 15	13 10	18 34			n.a.
W29	20 14	27 59	4 28	25 19	1 53	7 21	1 58	24 13	1 23	21 13	0 10	21 5	1 4	24 8	0 26	14 9	1 27	29 38	5 55	13 19	13 11	18 37			n.a.
T 30	20 26	27 35	3 53	25 22	1 49	7 48	1 57	24 8	1 23	21 15	0 9	21 4	1 4	24 8	0 26	14 9	1 27	29 38	5 55	13 23	13 12	18 39			n.a.
F 31	20n39	25s48	3s 6	25n23	1n45	8n15	1s56	24n 3	1n22	21n18	0s 9	21s 4	1n 4	24s 8	0s26	14n 9	1n27	29s38	5s56	13s25	13s13	18s42			n.a.

Julian Day Number = 1468790.5, Delta T = 05h32m50s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'34, Lahiri = -13°30'33 Julian Calendar 1 May 692 BCE == Greg. Calendar 24 Apr. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

JUNE 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 8 20	1♊54'33	29♉17	25♊12	26♈47	17♋29	5♊19	8°R57	4°R46	26♎44	4°R 8	24°R48	25♒24	7♏15	n.a.	S 1
S 2	16 12 17	2°51'38	12♒ 7	26°39	27°57	18° 5	5°32	8♐53	4♉44	26°45	4♉ 7	24♒46	25°21	7°22	n.a.	S 2
M 3	16 16 13	3°48'44	25°13	28° 4	29° 7	18°42	5°46	8°48	4°42	26°45	4° 6	24°D46	25°17	7°29	n.a.	M 3
T 4	16 20 10	4°45'51	8♓40	29°27	0♌18	19°18	5°59	8°44	4°40	26°46	4° 5	24°R46	25°14	7°35	n.a.	T 4
W 5	16 24 6	5°42'58	22°29	0♋48	1°29	19°55	6°13	8°39	4°38	26°47	4° 4	24°45	25°11	7°42	n.a.	W 5
T 6	16 28 3	6°40'05	6♈42	2° 6	2°39	20°31	6°26	8°35	4°36	26°47	4° 3	24°42	25° 8	7°49	n.a.	T 6
F 7	16 31 59	7°37'13	21°18	3°22	3°50	21° 8	6°40	8°30	4°34	26°48	4° 1	24°37	25° 5	7°56	n.a.	F 7
S 8	16 35 56	8°34'22	6♌12	4°35	5° 1	21°45	6°53	8°26	4°32	26°49	4° 0	24°30	25° 1	8° 2	n.a.	S 8
S 9	16 39 52	9°31'32	21°17	5°46	6°12	22°21	7° 7	8°22	4°30	26°50	3°59	24°20	24°58	8° 9	n.a.	S 9
M10	16 43 49	10°28'42	6♊24	6°54	7°23	22°58	7°20	8°17	4°28	26°50	3°58	24°10	24°55	8°16	n.a.	M10
T 11	16 47 46	11°25'53	21°22	8° 0	8°34	23°35	7°34	8°13	4°25	26°51	3°56	24° 0	24°52	8°22	n.a.	T 11
W12	16 51 42	12°23'04	6♋ 2	9° 2	9°45	24°12	7°47	8° 8	4°23	26°52	3°55	23°51	24°49	8°29	n.a.	W12
T 13	16 55 39	13°20'16	20°18	10° 2	10°56	24°49	8° 1	8° 4	4°21	26°53	3°54	23°45	24°46	8°36	n.a.	T 13
F 14	16 59 35	14°17'27	4♌ 6	10°59	12° 7	25°26	8°14	8° 0	4°19	26°54	3°53	23°42	24°42	8°43	n.a.	F 14
S 15	17 3 32	15°14'40	17°26	11°53	13°18	26° 3	8°28	7°55	4°17	26°55	3°51	23°40	24°39	8°49	n.a.	S 15
S 16	17 7 28	16°11'52	0♍19	12°43	14°29	26°40	8°41	7°51	4°14	26°56	3°50	23°D40	24°36	8°56	n.a.	S 16
M17	17 11 25	17° 9'05	12°51	13°30	15°41	27°17	8°55	7°46	4°12	26°57	3°49	23°R40	24°33	9° 3	n.a.	M17
T 18	17 15 22	18° 6'19	25° 5	14°13	16°52	27°54	9° 8	7°42	4°10	26°58	3°47	23°40	24°30	9° 9	n.a.	T 18
W19	17 19 18	19° 3'32	7♎ 6	14°53	18° 4	28°32	9°21	7°38	4° 8	26°59	3°46	23°39	24°27	9°16	n.a.	W19
T 20	17 23 15	20° 0'47	19° 1	15°29	19°15	29° 9	9°35	7°33	4° 5	27° 0	3°45	23°35	24°23	9°23	n.a.	T 20
F 21	17 27 11	20°58'02	0♏52	16° 1	20°27	29°46	9°48	7°29	4° 3	27° 1	3°43	23°29	24°20	9°30	n.a.	F 21
S 22	17 31 8	21°55'17	12°44	16°29	21°38	0♎24	10° 2	7°25	4° 1	27° 2	3°42	23°20	24°17	9°36	n.a.	S 22
S 23	17 35 4	22°52'34	24°41	16°52	22°50	1° 1	10°15	7°21	3°58	27° 3	3°41	23°10	24°14	9°43	n.a.	S 23
M24	17 39 1	23°49'51	6♐43	17°11	24° 2	1°39	10°28	7°17	3°56	27° 5	3°39	22°59	24°11	9°50	n.a.	M24
T 25	17 42 57	24°47'09	18°53	17°25	25°13	2°16	10°41	7°13	3°54	27° 6	3°38	22°49	24° 7	9°57	n.a.	T 25
W26	17 46 54	25°44'28	1♑12	17°34	26°25	2°54	10°55	7° 8	3°51	27° 7	3°37	22°39	24° 4	10° 3	n.a.	W26
T 27	17 50 51	26°41'48	13°41	17°R39	27°37	3°31	11° 8	7° 4	3°49	27° 8	3°35	22°31	24° 1	10°10	n.a.	T 27
F 28	17 54 47	27°39'09	26°20	17°38	28°49	4° 9	11°21	7° 0	3°47	27°10	3°34	22°26	23°58	10°17	n.a.	F 28
S 29	17 58 44	28°36'31	9♒10	17°32	0♊ 1	4°47	11°34	6°56	3°44	27°11	3°33	22°23	23°55	10°23	n.a.	S 29
S 30	18 2 40	29♊33'55	22♒12	17♋21	1♊13	5♎24	11♊47	6♐53	3♉42	27♎12	3♉31	22°D22	23♒52	10♏30	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n50	22s43	2s10	25n21	1n40	8n41	1s55	23n58	1n22	21n20	0s 9	21s 3	1n 4	24s 8	0s26	14n 8	1n27	29s38	5s56	13s26	13s14	18s44		n.a.
S 2	21 2	18 28	1 6	25 19	1 34	9 8	1 53	23 53	1 21	21 23	0 9	21 3	1 4	24 8	0 26	14 8	1 27	29 39	5 56	13 27	13 15	18 47		n.a.
M 3	21 13	13 16	0n 2	25 14	1 28	9 34	1 52	23 47	1 21	21 26	0 9	21 2	1 4	24 8	0 26	14 8	1 27	29 39	5 56	13 27	13 16	18 49		n.a.
T 4	21 24	7 19	1 13	25 9	1 22	10 1	1 51	23 42	1 20	21 28	0 9	21 1	1 4	24 8	0 26	14 8	1 27	29 39	5 56	13 27	13 18	18 52		n.a.
W 5	21 34	0 52	2 21	25 1	1 15	10 27	1 49	23 36	1 20	21 30	0 9	21 1	1 4	24 8	0 26	14 8	1 27	29 39	5 56	13 28	13 19	18 54		n.a.
T 6	21 44	5n47	3 22	24 53	1 7	10 53	1 48	23 30	1 20	21 33	0 9	21 0	1 4	24 8	0 26	14 7	1 27	29 39	5 57	13 28	13 20	18 57		n.a.
F 7	21 54	12 18	4 12	24 43	0 59	11 19	1 46	23 24	1 19	21 35	0 9	21 0	1 3	24 8	0 26	14 7	1 27	29 40	5 57	13 30	13 21	18 59		n.a.
S 8	22 3	18 16	4 46	24 32	0 50	11 44	1 45	23 17	1 19	21 38	0 9	20 59	1 3	24 9	0 26	14 7	1 27	29 40	5 57	13 33	13 22	19 2		n.a.
S 9	22 12	23 10	5 1	24 20	0 41	12 10	1 43	23 11	1 18	21 40	0 8	20 58	1 3	24 9	0 26	14 6	1 27	29 40	5 57	13 36	13 23	19 4		n.a.
M10	22 20	26 31	4 54	24 7	0 32	12 35	1 41	23 4	1 18	21 43	0 8	20 58	1 3	24 9	0 26	14 6	1 27	29 40	5 57	13 39	13 24	19 7		n.a.
T 11	22 28	27 57	4 28	23 54	0 22	12 59	1 39	22 58	1 17	21 45	0 8	20 57	1 3	24 9	0 27	14 6	1 27	29 40	5 57	13 43	13 25	19 9		n.a.
W12	22 36	27 22	3 44	23 39	0 11	13 24	1 38	22 51	1 17	21 47	0 8	20 56	1 3	24 9	0 27	14 5	1 27	29 41	5 57	13 46	13 26	19 12		n.a.
T 13	22 43	24 59	2 47	23 24	0 0	13 48	1 36	22 43	1 17	21 50	0 8	20 56	1 3	24 9	0 27	14 5	1 27	29 41	5 58	13 48	13 27	19 14		n.a.
F 14	22 50	21 9	1 42	23 8	0s11	14 12	1 34	22 36	1 16	21 52	0 8	20 55	1 3	24 9	0 27	14 5	1 27	29 41	5 58	13 49	13 28	19 17		n.a.
S 15	22 57	16 21	0 33	22 52	0 23	14 36	1 32	22 29	1 16	21 54	0 8	20 55	1 3	24 9	0 27	14 4	1 27	29 41	5 58	13 49	13 29	19 19		n.a.
S 16	23 3	10 58	0s35	22 35	0 35	14 59	1 30	22 21	1 15	21 56	0 8	20 54	1 3	24 9	0 27	14 4	1 27	29 41	5 58	13 49	13 30	19 22		n.a.
M17	23 9	5 17	1 40	22 19	0 47	15 22	1 27	22 13	1 15	21 58	0 8	20 53	1 3	24 9	0 27	14 4	1 27	29 41	5 58	13 49	13 32	19 24		n.a.
T 18	23 14	0s27	2 39	22 1	0 59	15 45	1 25	22 5	1 14	22 1	0 8	20 53	1 2	24 9	0 27	14 3	1 27	29 42	5 58	13 49	13 33	19 26		n.a.
W19	23 19	6 4	3 30	21 44	1 12	16 8	1 23	21 57	1 14	22 3	0 7	20 52	1 2	24 10	0 27	14 3	1 27	29 42	5 58	13 50	13 34	19 29		n.a.
T 20	23 24	11 24	4 11	21 27	1 25	16 30	1 21	21 49	1 14	22 5	0 7	20 52	1 2	24 10	0 27	14 2	1 27	29 42	5 58	13 51	13 35	19 31		n.a.
F 21	23 28	16 18	4 40	21 10	1 39	16 51	1 18	21 41	1 13	22 7	0 7	20 51	1 2	24 10	0 27	14 2	1 27	29 42	5 59	13 53	13 36	19 34		n.a.
S 22	23 32	20 36	4 58	20 54	1 52	17 12	1 16	21 32	1 13	22 9	0 7	20 50	1 2	24 10	0 27	14 2	1 26	29 42	5 59	13 56	13 37	19 36		n.a.
S 23	23 35	24 6	5 3	20 37	2 6	17 33	1 14	21 23	1 12	22 11	0 7	20 50	1 2	24 10	0 27	14 1	1 26	29 42	5 59	13 59	13 38	19 39		n.a.
M24	23 38	26 35	4 55	20 22	2 19	17 54	1 11	21 15	1 12	22 13	0 7	20 49	1 2	24 10	0 27	14 1	1 26	29 43	5 59	14 3	13 39	19 41		n.a.
T 25	23 41	27 51	4 33	20 6	2 33	18 14	1 9	21 5	1 11	22 15	0 7	20 49	1 2	24 10	0 27	14 0	1 26	29 43	5 59	14 6	13 40	19 43		n.a.
W26	23 43	27 45	3 58	19 52	2 46	18 33	1 6	20 56	1 11	22 17	0 7	20 48	1 2	24 10	0 27	14 0	1 26	29 43	5 59	14 10	13 41	19 46		n.a.
T 27	23 44	26 15	3 12	19 38	2 59	18 52	1 4	20 47	1 10	22 19	0 7	20 48	1 1	24 10	0 27	13 59	1 26	29 43	5 59	14 12	13 42	19 48		n.a.
F 28	23 46	23 23	2 15	19 25	3 12	19 11	1 1	20 38	1 10	22 21	0 6	20 47	1 1	24 10	0 27	13 59	1 26	29 43	5 59	14 14	13 43	19 51		n.a.
S 29	23 46	19 21	1 10	19 14	3 25	19 29	0 59	20 28	1 9	22 23	0 6	20 46	1 1	24 10	0 27	13 58	1 26	29 43	5 59	14 15	13 44	19 53		n.a.
S 30	23n47	14s19	0s 1	19n 3	3s37	19n47	0s56	20n18	1n 9	22n25	0s 6	20s46	1n 1	24s10	0s27	13n58	1n26	29s43	6s 0	14s15	13s45	19s55		n.a.

Julian Day Number = 1468821.5, Delta T = 05h32m48s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'30, Lahiri = -13°30'29 Julian Calendar 1 June 692 BCE == Greg. Calendar 25 May 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

JULY 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 6 37	0♋31'19	5♓28	17°R 4	2♊25	6♌ 2	12♊ 1	6°R49	3°R39	27♌14	3°R30	22♒23	23♒48	10♏37	n.a.	M 1
T 2	18 10 33	1°28'45	19° 0	16♋43	3°38	6°40	12°14	6♐45	3♑37	27°15	3♑28	22°24	23°45	10°44	n.a.	T 2
W 3	18 14 30	2°26'13	2♈47	16°16	4°50	7°18	12°27	6°41	3°35	27°17	3°27	22°R24	23°42	10°50	n.a.	W 3
T 4	18 18 27	3°23'42	16°52	15°45	6° 2	7°56	12°40	6°37	3°32	27°18	3°26	22°23	23°39	10°57	n.a.	T 4
F 5	18 22 23	4°21'13	1♉13	15° 9	7°14	8°34	12°53	6°34	3°30	27°19	3°24	22°21	23°36	11° 4	n.a.	F 5
S 6	18 26 20	5°18'45	15°48	14°30	8°27	9°12	13° 6	6°30	3°27	27°21	3°23	22°16	23°33	11°10	n.a.	S 6
S 7	18 30 16	6°16'19	0♊31	13°46	9°39	9°50	13°19	6°27	3°25	27°23	3°22	22°10	23°29	11°17	n.a.	S 7
M 8	18 34 13	7°13'54	15°16	13° 0	10°52	10°28	13°32	6°23	3°23	27°24	3°20	22° 3	23°26	11°24	n.a.	M 8
T 9	18 38 9	8°11'31	29°55	12°12	12° 4	11° 7	13°44	6°20	3°20	27°26	3°19	21°57	23°23	11°31	n.a.	T 9
W10	18 42 6	9° 9'09	14♋21	11°23	13°17	11°45	13°57	6°16	3°18	27°27	3°17	21°51	23°20	11°37	n.a.	W10
T 11	18 46 2	10° 6'49	28°28	10°33	14°30	12°23	14°10	6°13	3°15	27°29	3°16	21°47	23°17	11°44	n.a.	T 11
F 12	18 49 59	11° 4'30	12♌11	9°44	15°43	13° 2	14°23	6°10	3°13	27°31	3°15	21°45	23°13	11°51	n.a.	F 12
S 13	18 53 56	12° 2'12	25°30	8°56	16°55	13°40	14°35	6° 7	3°11	27°32	3°13	21°D45	23°10	11°58	n.a.	S 13
S 14	18 57 52	12°59'55	8♍25	8°11	18° 8	14°18	14°48	6° 3	3° 8	27°34	3°12	21°46	23° 7	12° 4	n.a.	S 14
M15	19 1 49	13°57'40	20°58	7°29	19°21	14°57	15° 1	6° 0	3° 6	27°36	3°11	21°47	23° 4	12°11	n.a.	M15
T 16	19 5 45	14°55'26	3♎15	6°52	20°34	15°36	15°13	5°57	3° 4	27°37	3° 9	21°49	23° 1	12°18	n.a.	T 16
W17	19 9 42	15°53'13	15°19	6°20	21°47	16°14	15°26	5°55	3° 1	27°39	3° 8	21°R49	22°58	12°24	n.a.	W17
T 18	19 13 38	16°51'01	27°14	5°54	23° 0	16°53	15°38	5°52	2°59	27°41	3° 7	21°49	22°54	12°31	n.a.	T 18
F 19	19 17 35	17°48'51	9♏ 7	5°34	24°13	17°32	15°50	5°49	2°57	27°43	3° 5	21°47	22°51	12°38	n.a.	F 19
S 20	19 21 31	18°46'42	21° 1	5°21	25°26	18°10	16° 3	5°46	2°54	27°45	3° 4	21°43	22°48	12°45	n.a.	S 20
S 21	19 25 28	19°44'35	3♐ 0	5°D16	26°39	18°49	16°15	5°44	2°52	27°46	3° 3	21°38	22°45	12°51	n.a.	S 21
M22	19 29 25	20°42'29	15° 8	5°19	27°53	19°28	16°27	5°41	2°50	27°48	3° 1	21°33	22°42	12°58	n.a.	M22
T 23	19 33 21	21°40'25	27°27	5°29	29° 6	20° 7	16°39	5°39	2°48	27°50	3° 0	21°28	22°39	13° 5	n.a.	T 23
W24	19 37 18	22°38'22	9♑59	5°48	0♋19	20°46	16°52	5°37	2°45	27°52	2°59	21°23	22°35	13°11	n.a.	W24
T 25	19 41 14	23°36'21	22°43	6°14	1°33	21°25	17° 4	5°34	2°43	27°54	2°58	21°20	22°32	13°18	n.a.	T 25
F 26	19 45 11	24°34'22	5♒42	6°49	2°46	22° 4	17°16	5°32	2°41	27°56	2°56	21°18	22°29	13°25	n.a.	F 26
S 27	19 49 7	25°32'24	18°53	7°32	4° 0	22°43	17°27	5°30	2°39	27°58	2°55	21°D17	22°26	13°32	n.a.	S 27
S 28	19 53 4	26°30'29	2♓18	8°22	5°13	23°22	17°39	5°28	2°37	28° 0	2°54	21°17	22°23	13°38	n.a.	S 28
M29	19 57 0	27°28'35	15°53	9°19	6°27	24° 2	17°51	5°26	2°35	28° 2	2°53	21°18	22°19	13°45	n.a.	M29
T 30	20 0 57	28°26'43	29°40	10°23	7°40	24°41	18° 3	5°24	2°33	28° 4	2°51	21°20	22°16	13°52	n.a.	T 30
W31	20 4 54	29♋24'54	13♈37	11♋34	8♋54	25♌20	18♊14	5♐23	2♑31	28♌ 6	2♑50	21♒21	22♒13	13♏59	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
M 1	23n47	8s33	1n10	18n54	3s48	20n 4	0s54	20n 8	1n 9	22n27	0s 6	20s45	1n 1	24s10	0s27	13n57	1n26	29s43	6s 0	14s15	13s47	19s58			n.a.	M 1
T 2	23 46	2 18	2 18	18 46	3 59	20 21	0 51	19 58	1 8	22 29	0 6	20 45	1 1	24 11	0 27	13 57	1 26	29 44	6 0	14 15	13 48	20 0			n.a.	T 2
W 3	23 45	4n10	3 20	18 40	4 9	20 37	0 48	19 48	1 8	22 31	0 6	20 44	1 1	24 11	0 27	13 56	1 26	29 44	6 0	14 14	13 49	20 2			n.a.	W 3
T 4	23 44	10 34	4 11	18 35	4 17	20 52	0 46	19 38	1 7	22 32	0 6	20 44	1 1	24 11	0 27	13 56	1 26	29 44	6 0	14 15	13 50	20 5			n.a.	T 4
F 5	23 42	16 32	4 47	18 31	4 25	21 7	0 43	19 27	1 7	22 34	0 6	20 43	1 0	24 11	0 27	13 55	1 26	29 44	6 0	14 16	13 51	20 7			n.a.	F 5
S 6	23 40	21 40	5 6	18 30	4 31	21 22	0 40	19 16	1 6	22 36	0 6	20 43	1 0	24 11	0 27	13 55	1 26	29 44	6 0	14 17	13 52	20 10			n.a.	S 6
S 7	23 38	25 30	5 4	18 30	4 35	21 36	0 37	19 6	1 6	22 38	0 6	20 42	1 0	24 11	0 27	13 54	1 26	29 44	6 0	14 19	13 53	20 12			n.a.	S 7
M 8	23 35	27 38	4 43	18 31	4 38	21 49	0 35	18 55	1 5	22 39	0 5	20 42	1 0	24 11	0 27	13 53	1 26	29 44	6 0	14 21	13 54	20 14			n.a.	M 8
T 9	23 31	27 50	4 3	18 35	4 39	22 2	0 32	18 43	1 5	22 41	0 5	20 41	1 0	24 11	0 27	13 53	1 26	29 44	6 0	14 24	13 55	20 17			n.a.	T 9
W10	23 28	26 7	3 8	18 40	4 39	22 14	0 29	18 32	1 4	22 43	0 5	20 41	1 0	24 11	0 27	13 52	1 26	29 44	6 0	14 25	13 56	20 19			n.a.	W10
T 11	23 23	22 46	2 3	18 46	4 36	22 26	0 27	18 21	1 4	22 44	0 5	20 41	1 0	24 11	0 27	13 52	1 26	29 45	6 0	14 27	13 57	20 21			n.a.	T 11
F 12	23 19	18 13	0 52	18 54	4 32	22 36	0 24	18 9	1 3	22 46	0 5	20 40	0 59	24 11	0 27	13 51	1 26	29 45	6 0	14 27	13 58	20 24			n.a.	F 12
S 13	23 14	12 53	0s20	19 4	4 25	22 47	0 21	17 58	1 3	22 48	0 5	20 40	0 59	24 11	0 27	13 50	1 26	29 45	6 0	14 27	13 59	20 26			n.a.	S 13
S 14	23 8	7 9	1 29	19 15	4 17	22 56	0 18	17 46	1 2	22 49	0 5	20 39	0 59	24 11	0 27	13 50	1 26	29 45	6 0	14 27	14 0	20 28			n.a.	S 14
M15	23 2	1 18	2 32	19 27	4 8	23 5	0 16	17 34	1 2	22 51	0 5	20 39	0 59	24 11	0 27	13 49	1 26	29 45	6 0	14 27	14 1	20 30			n.a.	M15
T 16	22 56	4s28	3 27	19 40	3 56	23 14	0 13	17 22	1 2	22 52	0 5	20 39	0 59	24 12	0 27	13 49	1 26	29 45	6 1	14 26	14 2	20 33			n.a.	T 16
W17	22 49	9 57	4 11	19 54	3 44	23 21	0 10	17 10	1 1	22 54	0 5	20 38	0 59	24 12	0 27	13 48	1 26	29 45	6 1	14 26	14 3	20 35			n.a.	W17
T 18	22 42	15 2	4 43	20 9	3 30	23 28	0 7	16 58	1 1	22 55	0 4	20 38	0 59	24 12	0 27	13 47	1 26	29 45	6 1	14 26	14 5	20 37			n.a.	T 18
F 19	22 35	19 32	5 4	20 25	3 15	23 34	0 5	16 45	1 0	22 57	0 4	20 38	0 58	24 12	0 27	13 47	1 26	29 45	6 1	14 27	14 6	20 40			n.a.	F 19
S 20	22 27	23 16	5 11	20 41	2 59	23 40	0 2	16 33	1 0	22 58	0 4	20 37	0 58	24 12	0 27	13 46	1 26	29 45	6 1	14 28	14 7	20 42			n.a.	S 20
S 21	22 18	26 3	5 5	20 58	2 43	23 45	0n 1	16 20	0 59	22 59	0 4	20 37	0 58	24 12	0 27	13 45	1 26	29 45	6 1	14 30	14 8	20 44			n.a.	S 21
M22	22 10	27 40	4 46	21 15	2 26	23 49	0 3	16 7	0 59	23 1	0 4	20 37	0 58	24 12	0 27	13 45	1 26	29 45	6 1	14 31	14 9	20 46			n.a.	M22
T 23	22 0	27 58	4 13	21 31	2 9	23 53	0 6	15 54	0 58	23 2	0 4	20 36	0 58	24 12	0 27	13 44	1 26	29 45	6 1	14 33	14 10	20 49			n.a.	T 23
W24	21 51	26 50	3 27	21 48	1 51	23 56	0 9	15 41	0 58	23 3	0 4	20 36	0 58	24 12	0 27	13 43	1 26	29 45	6 1	14 34	14 11	20 51			n.a.	W24
T 25	21 41	24 18	2 30	22 4	1 34	23 58	0 11	15 28	0 57	23 5	0 4	20 36	0 57	24 12	0 27	13 43	1 26	29 45	6 1	14 36	14 12	20 53			n.a.	T 25
F 26	21 31	20 29	1 24	22 19	1 17	23 59	0 14	15 15	0 57	23 6	0 4	20 36	0 57	24 12	0 27	13 42	1 26	29 46	6 1	14 36	14 13	20 55			n.a.	F 26
S 27	21 20	15 35	0 13	22 34	1 0	24 0	0 17	15 1	0 56	23 7	0 4	20 35	0 57	24 12	0 27	13 41	1 26	29 46	6 1	14 37	14 14	20 58			n.a.	S 27
S 28	21 9	9 52	1n 0	22 47	0 44	24 0	0 19	14 48	0 56	23 8	0 3	20 35	0 57	24 12	0 27	13 40	1 26	29 46	6 1	14 36	14 15	21 0			n.a.	S 28
M29	20 58	3 38	2 11	22 59	0 28	23 59	0 22	14 34	0 55	23 10	0 3	20 35	0 57	24 12	0 27	13 40	1 26	29 46	6 1	14 36	14 16	21 2			n.a.	M29
T 30	20 46	2n51	3 16	23 9	0 13	23 57	0 24	14 20	0 55	23 11	0 3	20 35	0 57	24 12	0 27	13 39	1 26	29 46	6 1	14 36	14 17	21 4			n.a.	T 30
W31	20n34	9n16	4n 9	23n18	0n 2	23n55	0n27	14n 6	0n54	23n12	0s 3	20s35	0n56	24s12	0s27	13n38	1n26	29s46	6s 1	14s35	14s18	21s 6			n.a.	W31

Julian Day Number = 1468851.5, Delta T = 05h32m47s
Ecliptic obliquity = 23°46'49, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'25, Lahiri = -13°30'25 Julian Calendar 1 July 692 BCE == Greg. Calendar 24 June 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

AUGUST 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 8 50	0♌23'06	27♈43	12♋51	10♋ 8	25♌59	18♊26	5°R21	2°R28	28♌ 8	2°R49	21°R22	22♒10	14♏ 5	n.a.	T 1
F 2	20 12 47	1°21'21	11♉56	14°14	11°22	26°39	18°38	5♐20	2♑26	28°10	2♑48	21♒21	22° 7	14°12	n.a.	F 2
S 3	20 16 43	2°19'38	26°14	15°42	12°35	27°18	18°49	5°18	2°24	28°12	2°47	21°20	22° 4	14°19	n.a.	S 3
S 4	20 20 40	3°17'58	10♊34	17°15	13°49	27°58	19° 0	5°17	2°23	28°14	2°45	21°18	22° 0	14°25	n.a.	S 4
M 5	20 24 36	4°16'19	24°52	18°52	15° 3	28°38	19°12	5°16	2°21	28°16	2°44	21°16	21°57	14°32	n.a.	M 5
T 6	20 28 33	5°14'43	9♋ 4	20°32	16°17	29°17	19°23	5°14	2°19	28°18	2°43	21°14	21°54	14°39	n.a.	T 6
W 7	20 32 29	6°13'09	23° 5	22°15	17°31	29°57	19°34	5°13	2°17	28°20	2°42	21°12	21°51	14°46	n.a.	W 7
T 8	20 36 26	7°11'37	6♌51	24° 1	18°45	0♍37	19°45	5°12	2°15	28°22	2°41	21°11	21°48	14°52	n.a.	T 8
F 9	20 40 23	8°10'07	20°20	25°49	19°59	1°16	19°56	5°12	2°13	28°24	2°40	21°D11	21°45	14°59	n.a.	F 9
S 10	20 44 19	9° 8'39	3♍29	27°39	21°14	1°56	20° 7	5°11	2°11	28°26	2°39	21°11	21°41	15° 6	n.a.	S 10
S 11	20 48 16	10° 7'12	16°19	29°30	22°28	2°36	20°18	5°10	2°10	28°29	2°38	21°12	21°38	15°13	n.a.	S 11
M12	20 52 12	11° 5'48	28°52	1♎22	23°42	3°16	20°28	5° 9	2° 8	28°31	2°37	21°13	21°35	15°19	n.a.	M12
T 13	20 56 9	12° 4'25	11♎ 9	3°14	24°56	3°56	20°39	5° 9	2° 6	28°33	2°36	21°14	21°32	15°26	n.a.	T 13
W14	21 0 5	13° 3'04	23°13	5° 7	26°11	4°36	20°50	5° 9	2° 5	28°35	2°35	21°14	21°29	15°33	n.a.	W14
T 15	21 4 2	14° 1'45	5♏10	7° 0	27°25	5°16	21° 0	5° 8	2° 3	28°37	2°34	21°15	21°25	15°39	n.a.	T 15
F 16	21 7 58	15° 0'28	17° 3	8°53	28°39	5°57	21°10	5° 8	2° 2	28°39	2°33	21°R15	21°22	15°46	n.a.	F 16
S 17	21 11 55	15°59'12	28°58	10°45	29°54	6°37	21°21	5°D 8	2° 0	28°42	2°32	21°15	21°19	15°53	n.a.	S 17
S 18	21 15 51	16°57'59	10♐58	12°37	1♌ 8	7°17	21°31	5° 8	1°59	28°44	2°31	21°14	21°16	16° 0	n.a.	S 18
M19	21 19 48	17°56'47	23° 8	14°29	2°23	7°57	21°41	5° 8	1°57	28°46	2°30	21°14	21°13	16° 6	n.a.	M19
T 20	21 23 45	18°55'38	5♑31	16°19	3°37	8°38	21°51	5° 8	1°56	28°48	2°29	21°14	21°10	16°13	n.a.	T 20
W21	21 27 41	19°54'30	18°11	18°10	4°52	9°18	22° 1	5° 9	1°54	28°50	2°28	21°13	21° 6	16°20	n.a.	W21
T 22	21 31 38	20°53'24	1♒10	19°59	6° 6	9°59	22°10	5° 9	1°53	28°53	2°28	21°D13	21° 3	16°26	n.a.	T 22
F 23	21 35 34	21°52'20	14°26	21°47	7°21	10°39	22°20	5°10	1°52	28°55	2°27	21°R13	21° 0	16°33	n.a.	F 23
S 24	21 39 31	22°51'19	28° 1	23°35	8°36	11°20	22°30	5°10	1°50	28°57	2°26	21°13	20°57	16°40	n.a.	S 24
S 25	21 43 27	23°50'19	11♓52	25°22	9°50	12° 0	22°39	5°11	1°49	28°59	2°25	21°13	20°54	16°47	n.a.	S 25
M26	21 47 24	24°49'22	25°56	27° 8	11° 5	12°41	22°48	5°12	1°48	29° 2	2°25	21°13	20°51	16°53	n.a.	M26
T 27	21 51 20	25°48'27	10♈ 8	28°53	12°20	13°22	22°57	5°13	1°47	29° 4	2°24	21°12	20°47	17° 0	n.a.	T 27
W28	21 55 17	26°47'34	24°26	0♍37	13°35	14° 3	23° 6	5°14	1°46	29° 6	2°23	21°12	20°44	17° 7	n.a.	W28
T 29	21 59 14	27°46'44	8♉44	2°21	14°49	14°43	23°15	5°15	1°45	29° 8	2°22	21°11	20°41	17°14	n.a.	T 29
F 30	22 3 10	28°45'56	23° 0	4° 3	16° 4	15°24	23°24	5°16	1°44	29°10	2°22	21°D11	20°38	17°20	n.a.	F 30
S 31	22 7 7	29♌45'11	7♊12	5♍45	17♌19	16♍ 5	23♊33	5♐17	1♑43	29♌13	2♑21	21♒11	20♒35	17♏27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20n21	15n17	4n49	23n24	0n16	23n52	0n29	13n52	0n54	23n13	0s 3	20s35	0n56	24s12	0s27	13n38	1n25	29s46	6s 1	14s35	14s19	21s 9			n.a.
F 2	20 8	20 33	5 11	23 29	0 28	23 48	0 31	13 38	0 53	23 14	0 3	20 34	0 56	24 12	0 27	13 37	1 25	29 46	6 1	14 35	14 20	21 11			n.a.
S 3	19 55	24 40	5 14	23 30	0 40	23 44	0 34	13 24	0 53	23 15	0 3	20 34	0 56	24 12	0 27	13 36	1 25	29 46	6 1	14 35	14 21	21 13			n.a.
S 4	19 42	27 15	4 57	23 30	0 51	23 39	0 36	13 10	0 52	23 16	0 3	20 34	0 56	24 12	0 27	13 35	1 25	29 46	6 1	14 36	14 22	21 15			n.a.
M 5	19 28	28 3	4 23	23 26	1 1	23 33	0 38	12 55	0 52	23 17	0 3	20 34	0 56	24 12	0 27	13 35	1 25	29 46	6 1	14 37	14 23	21 17			n.a.
T 6	19 14	26 59	3 32	23 20	1 10	23 27	0 41	12 41	0 51	23 18	0 2	20 34	0 55	24 12	0 27	13 34	1 25	29 46	6 1	14 38	14 24	21 20			n.a.
W 7	18 59	24 13	2 29	23 12	1 18	23 19	0 43	12 26	0 51	23 19	0 2	20 34	0 55	24 12	0 27	13 33	1 25	29 46	6 1	14 38	14 25	21 22			n.a.
T 8	18 44	20 5	1 18	23 1	1 25	23 11	0 45	12 11	0 50	23 20	0 2	20 34	0 55	24 12	0 27	13 32	1 25	29 46	6 1	14 38	14 26	21 24			n.a.
F 9	18 29	15 0	0 5	22 47	1 31	23 3	0 47	11 57	0 49	23 21	0 2	20 34	0 55	24 12	0 27	13 32	1 25	29 46	6 1	14 39	14 28	21 26			n.a.
S 10	18 13	9 19	1s 8	22 30	1 36	22 53	0 49	11 42	0 49	23 22	0 2	20 34	0 55	24 13	0 27	13 31	1 25	29 46	6 1	14 38	14 29	21 28			n.a.
S 11	17 58	3 24	2 15	22 11	1 41	22 43	0 51	11 27	0 48	23 23	0 2	20 34	0 55	24 13	0 27	13 30	1 25	29 46	6 1	14 38	14 30	21 30			n.a.
M12	17 41	2s30	3 14	21 50	1 44	22 32	0 53	11 12	0 48	23 24	0 2	20 34	0 54	24 13	0 27	13 29	1 25	29 46	6 1	14 38	14 31	21 32			n.a.
T 13	17 25	8 11	4 3	21 26	1 47	22 21	0 55	10 56	0 47	23 25	0 2	20 34	0 54	24 13	0 27	13 29	1 25	29 46	6 1	14 38	14 32	21 35			n.a.
W14	17 8	13 28	4 40	21 0	1 48	22 9	0 57	10 41	0 47	23 26	0 2	20 34	0 54	24 13	0 27	13 28	1 25	29 46	6 1	14 37	14 33	21 37			n.a.
T 15	16 51	18 12	5 4	20 33	1 49	21 56	0 59	10 26	0 46	23 27	0 2	20 35	0 54	24 13	0 27	13 27	1 25	29 46	6 1	14 37	14 34	21 39			n.a.
F 16	16 34	22 12	5 16	20 3	1 50	21 43	1 1	10 10	0 46	23 28	0 1	20 35	0 54	24 13	0 27	13 26	1 25	29 46	6 0	14 37	14 35	21 41			n.a.
S 17	16 16	25 18	5 14	19 32	1 49	21 29	1 2	9 55	0 45	23 28	0 1	20 35	0 54	24 13	0 27	13 26	1 25	29 46	6 0	14 37	14 36	21 43			n.a.
S 18	15 58	27 19	4 58	19 0	1 48	21 14	1 4	9 39	0 45	23 29	0 1	20 35	0 53	24 13	0 27	13 25	1 25	29 46	6 0	14 37	14 37	21 45			n.a.
M19	15 40	28 5	4 29	18 25	1 47	20 59	1 6	9 23	0 44	23 30	0 1	20 35	0 53	24 13	0 27	13 24	1 25	29 46	6 0	14 38	14 38	21 47			n.a.
T 20	15 22	27 27	3 47	17 50	1 45	20 43	1 7	9 7	0 44	23 31	0 1	20 35	0 53	24 13	0 27	13 23	1 25	29 46	6 0	14 38	14 39	21 49			n.a.
W21	15 3	25 23	2 53	17 14	1 42	20 26	1 9	8 51	0 43	23 31	0 1	20 36	0 53	24 13	0 27	13 22	1 25	29 46	6 0	14 38	14 40	21 51			n.a.
T 22	14 44	21 57	1 49	16 36	1 39	20 9	1 10	8 35	0 43	23 32	0 1	20 36	0 53	24 13	0 27	13 22	1 25	29 46	6 0	14 38	14 41	21 53			n.a.
F 23	14 25	17 20	0 38	15 57	1 36	19 51	1 12	8 19	0 42	23 33	0 1	20 36	0 53	24 13	0 27	13 21	1 25	29 46	6 0	14 38	14 42	21 56			n.a.
S 24	14 6	11 45	0n38	15 18	1 32	19 33	1 13	8 3	0 41	23 33	0 1	20 36	0 52	24 13	0 27	13 20	1 25	29 45	6 0	14 38	14 43	21 58			n.a.
S 25	13 46	5 29	1 52	14 38	1 28	19 14	1 14	7 47	0 41	23 34	0 0	20 37	0 52	24 13	0 27	13 19	1 25	29 45	6 0	14 38	14 44	22 0			n.a.
M26	13 26	1n 7	3 1	13 57	1 24	18 54	1 15	7 31	0 40	23 35	0 0	20 37	0 52	24 13	0 27	13 19	1 25	29 45	6 0	14 38	14 45	22 2			n.a.
T 27	13 6	7 43	3 59	13 16	1 19	18 34	1 17	7 14	0 40	23 35	0 0	20 37	0 52	24 13	0 27	13 18	1 25	29 45	6 0	14 38	14 46	22 4			n.a.
W28	12 46	13 58	4 43	12 34	1 14	18 13	1 18	6 58	0 39	23 36	0 0	20 38	0 52	24 13	0 27	13 17	1 25	29 45	6 0	14 38	14 47	22 6			n.a.
T 29	12 25	19 29	5 9	11 51	1 9	17 52	1 19	6 42	0 39	23 36	0n 0	20 38	0 52	24 13	0 27	13 16	1 25	29 45	6 0	14 38	14 48	22 8			n.a.
F 30	12 4	23 53	5 16	11 9	1 3	17 31	1 20	6 25	0 38	23 37	0 0	20 38	0 51	24 13	0 27	13 15	1 25	29 45	6 0	14 38	14 49	22 10			n.a.
S 31	11n43	26n49	5n 4	10n26	0n58	17n 8	1n21	6n 8	0n38	23n38	0n 0	20s39	0n51	24s13	0s27	13n15	1n25	29s45	6s 0	14s38	14s50	22s12			n.a.

Julian Day Number = 1468882.5, Delta T = 05h32m45s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'21, Lahiri = -13°30'21 Julian Calendar 1 Aug. 692 BCE == Greg. Calendar 25 July 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

SEPTEMBER 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 11 3	0♍44'28	21♊15	7♍26	18♌34	16♍46	23♊42	5♐19	1°R42	29♌15	2°R21	21♒11	20♒31	17♏34	n.a.	S 1
M 2	22 15 0	1°43'48	5♋10	9° 6	19°49	17°27	23°50	5°20	1♑41	29°17	2♑20	21°12	20°28	17°40	n.a.	M 2
T 3	22 18 56	2°43'10	18°54	10°45	21° 4	18° 9	23°58	5°22	1°41	29°19	2°19	21°13	20°25	17°47	n.a.	T 3
W 4	22 22 53	3°42'35	2♌27	12°23	22°19	18°50	24° 7	5°23	1°40	29°22	2°19	21°14	20°22	17°54	n.a.	W 4
T 5	22 26 49	4°42'02	15°48	14° 1	23°34	19°31	24°15	5°25	1°39	29°24	2°18	21°R15	20°19	18° 1	n.a.	T 5
F 6	22 30 46	5°41'31	28°55	15°38	24°49	20°12	24°23	5°27	1°38	29°26	2°18	21°15	20°16	18° 7	n.a.	F 6
S 7	22 34 43	6°41'02	11♍48	17°14	26° 4	20°54	24°31	5°29	1°38	29°28	2°18	21°14	20°12	18°14	n.a.	S 7
S 8	22 38 39	7°40'35	24°27	18°49	27°20	21°35	24°38	5°31	1°37	29°31	2°17	21°12	20° 9	18°21	n.a.	S 8
M 9	22 42 36	8°40'11	6♎52	20°24	28°35	22°17	24°46	5°33	1°37	29°33	2°17	21°10	20° 6	18°28	n.a.	M 9
T 10	22 46 32	9°39'48	19° 6	21°58	29°50	22°58	24°53	5°35	1°36	29°35	2°16	21° 7	20° 3	18°34	n.a.	T 10
W11	22 50 29	10°39'27	1♏ 9	23°32	1♍ 5	23°40	25° 1	5°38	1°36	29°37	2°16	21° 4	20° 0	18°41	n.a.	W11
T 12	22 54 25	11°39'09	13° 5	25° 4	2°20	24°21	25° 8	5°40	1°36	29°39	2°16	21° 1	19°56	18°48	n.a.	T 12
F 13	22 58 22	12°38'52	24°57	26°36	3°36	25° 3	25°15	5°43	1°35	29°42	2°15	20°59	19°53	18°54	n.a.	F 13
S 14	23 2 18	13°38'37	6♐50	28° 8	4°51	25°45	25°21	5°45	1°35	29°44	2°15	20°58	19°50	19° 1	n.a.	S 14
S 15	23 6 15	14°38'24	18°48	29°38	6° 6	26°26	25°28	5°48	1°35	29°46	2°15	20°D57	19°47	19° 8	n.a.	S 15
M16	23 10 11	15°38'13	0♑55	1♎ 9	7°21	27° 8	25°35	5°51	1°35	29°48	2°15	20°58	19°44	19°15	n.a.	M16
T 17	23 14 8	16°38'04	13°18	2°38	8°37	27°50	25°41	5°54	1°35	29°50	2°15	21° 0	19°41	19°21	n.a.	T 17
W18	23 18 5	17°37'56	25°59	4° 7	9°52	28°32	25°47	5°57	1°D35	29°52	2°14	21° 1	19°37	19°28	n.a.	W18
T 19	23 22 1	18°37'50	9♒ 2	5°35	11° 7	29°14	25°53	6° 0	1°35	29°55	2°14	21° 3	19°34	19°35	n.a.	T 19
F 20	23 25 58	19°37'46	22°30	7° 2	12°23	29°56	25°59	6° 3	1°35	29°57	2°14	21°R 3	19°31	19°42	n.a.	F 20
S 21	23 29 54	20°37'44	6♓22	8°29	13°38	0♎38	26° 5	6° 6	1°35	29°59	2°14	21° 2	19°28	19°48	n.a.	S 21
S 22	23 33 51	21°37'44	20°36	9°55	14°53	1°20	26°11	6°10	1°35	0♍ 1	2°14	21° 0	19°25	19°55	n.a.	S 22
M23	23 37 47	22°37'46	5♈ 7	11°20	16° 9	2° 3	26°16	6°13	1°35	0° 3	2°D14	20°56	19°22	20° 2	n.a.	M23
T 24	23 41 44	23°37'50	19°49	12°45	17°24	2°45	26°21	6°17	1°35	0° 5	2°14	20°52	19°18	20° 8	n.a.	T 24
W25	23 45 40	24°37'56	4♉35	14° 9	18°40	3°27	26°27	6°20	1°36	0° 7	2°14	20°47	19°15	20°15	n.a.	W25
T 26	23 49 37	25°38'04	19°16	15°32	19°55	4° 9	26°31	6°24	1°36	0° 9	2°14	20°42	19°12	20°22	n.a.	T 26
F 27	23 53 34	26°38'15	3♊48	16°54	21°11	4°52	26°36	6°28	1°36	0°11	2°14	20°38	19° 9	20°29	n.a.	F 27
S 28	23 57 30	27°38'28	18° 4	18°15	22°26	5°34	26°41	6°32	1°37	0°13	2°15	20°36	19° 6	20°35	n.a.	S 28
S 29	0 1 27	28°38'43	2♋ 4	19°35	23°42	6°17	26°45	6°36	1°37	0°16	2°15	20°D36	19° 2	20°42	n.a.	S 29
M30	0 5 23	29♍39'00	15♋46	20♎53	24♍57	7♎ 0	26♊50	6♐40	1♑38	0♍18	2♑15	20♒37	18♒59	20♏49	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n22	28n 3	4n34	9n42	0n52	16n46	1n21	5n52	0n37	23n38	0n 0	20s39	0n51	24s13	0s27	13n14	1n25	29s45	6s 0	14s38	14s51	22s14		n.a.
M 2	11 1	27 29	3 48	8 59	0 46	16 23	1 22	5 35	0 36	23 39	0 1	20 40	0 51	24 13	0 27	13 13	1 25	29 45	6 0	14 38	14 52	22 16		n.a.
T 3	10 39	25 13	2 49	8 15	0 40	15 59	1 23	5 18	0 36	23 39	0 1	20 40	0 51	24 13	0 27	13 12	1 25	29 45	5 59	14 38	14 53	22 18		n.a.
W 4	10 17	21 33	1 42	7 31	0 33	15 35	1 23	5 1	0 35	23 40	0 1	20 41	0 51	24 13	0 27	13 11	1 25	29 45	5 59	14 37	14 54	22 20		n.a.
T 5	9 55	16 48	0 30	6 47	0 27	15 10	1 24	4 44	0 35	23 40	0 1	20 41	0 51	24 13	0 27	13 11	1 25	29 45	5 59	14 37	14 55	22 22		n.a.
F 6	9 33	11 22	0s42	6 3	0 20	14 45	1 25	4 27	0 34	23 41	0 1	20 42	0 50	24 13	0 27	13 10	1 26	29 45	5 59	14 37	14 56	22 24		n.a.
S 7	9 11	5 32	1 51	5 19	0 14	14 20	1 25	4 10	0 34	23 41	0 1	20 42	0 50	24 13	0 27	13 9	1 26	29 45	5 59	14 38	14 57	22 26		n.a.
S 8	8 49	0s24	2 53	4 35	0 7	13 54	1 25	3 53	0 33	23 41	0 1	20 43	0 50	24 13	0 26	13 8	1 26	29 45	5 59	14 38	14 58	22 28		n.a.
M 9	8 26	6 13	3 46	3 51	0s 0	13 28	1 26	3 36	0 32	23 42	0 1	20 43	0 50	24 13	0 26	13 8	1 26	29 45	5 59	14 39	14 59	22 30		n.a.
T 10	8 3	11 41	4 27	3 7	0 7	13 2	1 26	3 19	0 32	23 42	0 2	20 44	0 50	24 13	0 26	13 7	1 26	29 44	5 59	14 40	15 0	22 32		n.a.
W11	7 40	16 39	4 56	2 24	0 14	12 35	1 26	3 2	0 31	23 43	0 2	20 44	0 50	24 13	0 26	13 6	1 26	29 44	5 59	14 41	15 1	22 34		n.a.
T 12	7 18	20 55	5 11	1 40	0 21	12 8	1 26	2 45	0 31	23 43	0 2	20 45	0 49	24 13	0 26	13 5	1 26	29 44	5 59	14 42	15 2	22 36		n.a.
F 13	6 54	24 20	5 14	0 57	0 28	11 40	1 26	2 27	0 30	23 44	0 2	20 45	0 49	24 13	0 26	13 4	1 26	29 44	5 59	14 42	15 3	22 38		n.a.
S 14	6 31	26 43	5 2	0 14	0 34	11 12	1 26	2 10	0 30	23 44	0 2	20 46	0 49	24 13	0 26	13 4	1 26	29 44	5 59	14 43	15 4	22 40		n.a.
S 15	6 8	27 55	4 38	0s29	0 41	10 44	1 26	1 53	0 29	23 44	0 2	20 47	0 49	24 13	0 26	13 3	1 26	29 44	5 58	14 43	15 5	22 41		n.a.
M16	5 44	27 48	4 1	1 12	0 48	10 15	1 26	1 35	0 28	23 45	0 2	20 47	0 49	24 13	0 26	13 2	1 26	29 44	5 58	14 43	15 7	22 43		n.a.
T 17	5 21	26 18	3 12	1 54	0 55	9 47	1 26	1 18	0 28	23 45	0 2	20 48	0 49	24 13	0 26	13 1	1 26	29 44	5 58	14 42	15 8	22 45		n.a.
W18	4 57	23 26	2 13	2 36	1 2	9 18	1 25	1 0	0 27	23 45	0 3	20 49	0 48	24 13	0 26	13 1	1 26	29 44	5 58	14 42	15 9	22 47		n.a.
T 19	4 34	19 18	1 5	3 18	1 9	8 48	1 25	0 43	0 27	23 46	0 3	20 49	0 48	24 13	0 26	13 0	1 26	29 44	5 58	14 41	15 10	22 49		n.a.
F 20	4 10	14 5	0n 8	3 59	1 15	8 19	1 25	0 25	0 26	23 46	0 3	20 50	0 48	24 13	0 26	12 59	1 26	29 44	5 58	14 41	15 11	22 51		n.a.
S 21	3 46	8 1	1 23	4 40	1 22	7 49	1 24	0 8	0 25	23 46	0 3	20 51	0 48	24 13	0 26	12 58	1 26	29 44	5 58	14 41	15 12	22 53		n.a.
S 22	3 22	1 25	2 34	5 20	1 28	7 19	1 24	0s10	0 25	23 47	0 3	20 52	0 48	24 13	0 26	12 58	1 26	29 43	5 58	14 42	15 13	22 55		n.a.
M23	2 58	5n23	3 37	6 0	1 35	6 49	1 23	0 27	0 24	23 47	0 3	20 52	0 48	24 13	0 26	12 57	1 26	29 43	5 58	14 43	15 14	22 57		n.a.
T 24	2 34	11 58	4 27	6 39	1 41	6 18	1 22	0 45	0 24	23 47	0 3	20 53	0 48	24 13	0 26	12 56	1 26	29 43	5 58	14 45	15 15	22 59		n.a.
W25	2 10	17 54	4 59	7 18	1 47	5 48	1 22	1 2	0 23	23 47	0 3	20 54	0 47	24 12	0 26	12 56	1 26	29 43	5 58	14 46	15 16	23 0		n.a.
T 26	1 46	22 46	5 11	7 56	1 53	5 17	1 21	1 20	0 22	23 48	0 4	20 55	0 47	24 12	0 26	12 55	1 26	29 43	5 57	14 48	15 17	23 2		n.a.
F 27	1 21	26 10	5 3	8 33	1 59	4 46	1 20	1 38	0 22	23 48	0 4	20 55	0 47	24 12	0 26	12 54	1 26	29 43	5 57	14 49	15 18	23 4		n.a.
S 28	0 57	27 49	4 36	9 10	2 4	4 15	1 19	1 55	0 21	23 48	0 4	20 56	0 47	24 12	0 26	12 53	1 26	29 43	5 57	14 50	15 19	23 6		n.a.
S 29	0 33	27 39	3 53	9 45	2 9	3 44	1 18	2 13	0 21	23 48	0 4	20 57	0 47	24 12	0 26	12 53	1 26	29 43	5 57	14 50	15 20	23 8		n.a.
M30	0n 8	25n47	2n58	10s20	2s14	3n13	1n17	2s30	0n20	23n49	0n 4	20s58	0n47	24s12	0s26	12n52	1n26	29s43	5s57	14s49	15s21	23s10		n.a.

Julian Day Number = 1468913.5, Delta T = 05h32m44s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'17, Lahiri = -13°30'17 Julian Calendar 1 Sept. 692 BCE == Greg. Calendar 25 Aug. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

OCTOBER 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 9 20	0♎39'20	29♋12	22♎11	26♍13	7♎42	26♊54	6♐44	1♑39	0♍20	2♑15	20♒38	18♒56	20♏55	n.a.	T 1
W 2	0 13 16	1°39'41	12♌22	23°27	27°28	8°25	26°58	6°48	1°39	0°22	2°15	20°40	18°53	21° 2	n.a.	W 2
T 3	0 17 13	2°40'05	25°19	24°42	28°44	9° 8	27° 1	6°52	1°40	0°23	2°16	20°R40	18°50	21° 9	n.a.	T 3
F 4	0 21 9	3°40'30	8♍ 4	25°55	29°59	9°50	27° 5	6°56	1°41	0°25	2°16	20°38	18°47	21°16	n.a.	F 4
S 5	0 25 6	4°40'57	20°38	27° 6	1♎15	10°33	27° 8	7° 1	1°42	0°27	2°16	20°35	18°43	21°22	n.a.	S 5
S 6	0 29 2	5°41'27	3♎ 2	28°15	2°30	11°16	27°11	7° 5	1°42	0°29	2°17	20°28	18°40	21°29	n.a.	S 6
M 7	0 32 59	6°41'58	15°17	29°22	3°46	11°59	27°14	7°10	1°43	0°31	2°17	20°21	18°37	21°36	n.a.	M 7
T 8	0 36 56	7°42'30	27°24	0♏26	5° 1	12°42	27°17	7°15	1°44	0°33	2°17	20°11	18°34	21°43	n.a.	T 8
W 9	0 40 52	8°43'05	9♏23	1°27	6°17	13°25	27°20	7°19	1°45	0°35	2°18	20° 1	18°31	21°49	n.a.	W 9
T 10	0 44 49	9°43'40	21°17	2°24	7°32	14° 8	27°22	7°24	1°46	0°37	2°18	19°52	18°28	21°56	n.a.	T 10
F 11	0 48 45	10°44'18	3♐ 8	3°18	8°48	14°52	27°24	7°29	1°48	0°39	2°19	19°44	18°24	22° 3	n.a.	F 11
S 12	0 52 42	11°44'57	14°58	4° 8	10° 4	15°35	27°26	7°34	1°49	0°40	2°19	19°38	18°21	22° 9	n.a.	S 12
S 13	0 56 38	12°45'37	26°53	4°53	11°19	16°18	27°28	7°39	1°50	0°42	2°20	19°34	18°18	22°16	n.a.	S 13
M14	1 0 35	13°46'18	8♑57	5°32	12°35	17° 1	27°30	7°44	1°51	0°44	2°21	19°D33	18°15	22°23	n.a.	M14
T 15	1 4 31	14°47'01	21°14	6° 5	13°50	17°45	27°31	7°49	1°53	0°46	2°21	19°33	18°12	22°30	n.a.	T 15
W16	1 8 28	15°47'45	3♒50	6°32	15° 6	18°28	27°33	7°54	1°54	0°47	2°22	19°34	18° 8	22°36	n.a.	W16
T 17	1 12 25	16°48'30	16°49	6°51	16°21	19°12	27°34	7°59	1°55	0°49	2°23	19°R34	18° 5	22°43	n.a.	T 17
F 18	1 16 21	17°49'17	0♓16	7° 2	17°37	19°55	27°35	8° 5	1°57	0°51	2°23	19°34	18° 2	22°50	n.a.	F 18
S 19	1 20 18	18°50'04	14°11	7°R 4	18°53	20°39	27°35	8°10	1°58	0°52	2°24	19°31	17°59	22°57	n.a.	S 19
S 20	1 24 14	19°50'53	28°34	6°56	20° 8	21°23	27°36	8°16	2° 0	0°54	2°25	19°26	17°56	23° 3	n.a.	S 20
M21	1 28 11	20°51'43	13♈22	6°38	21°24	22° 6	27°36	8°21	2° 2	0°56	2°25	19°19	17°53	23°10	n.a.	M21
T 22	1 32 7	21°52'34	28°26	6° 9	22°39	22°50	27°R36	8°27	2° 3	0°57	2°26	19° 9	17°49	23°17	n.a.	T 22
W23	1 36 4	22°53'27	13♉38	5°29	23°55	23°34	27°36	8°32	2° 5	0°59	2°27	18°59	17°46	23°23	n.a.	W23
T 24	1 40 0	23°54'21	28°45	4°39	25°10	24°18	27°36	8°38	2° 7	1° 0	2°28	18°50	17°43	23°30	n.a.	T 24
F 25	1 43 57	24°55'16	13♊39	3°38	26°26	25° 2	27°35	8°44	2° 8	1° 2	2°29	18°42	17°40	23°37	n.a.	F 25
S 26	1 47 54	25°56'14	28°12	2°29	27°41	25°45	27°34	8°49	2°10	1° 3	2°30	18°36	17°37	23°44	n.a.	S 26
S 27	1 51 50	26°57'12	12♋20	1°14	28°57	26°29	27°34	8°55	2°12	1° 5	2°31	18°33	17°33	23°50	n.a.	S 27
M28	1 55 47	27°58'12	26° 4	29♎53	0♏13	27°14	27°32	9° 1	2°14	1° 6	2°32	18°D33	17°30	23°57	n.a.	M28
T 29	1 59 43	28°59'13	9♌24	28°30	1°28	27°58	27°31	9° 7	2°16	1° 8	2°33	18°33	17°27	24° 4	n.a.	T 29
W30	2 3 40	0♏ 0'16	22°24	27° 9	2°44	28°42	27°30	9°13	2°18	1° 9	2°34	18°R33	17°24	24°10	n.a.	W30
T 31	2 7 36	1♏ 1'20	5♍ 6	25♎50	3♏59	29♎26	27♊28	9♐19	2♑20	1♍10	2♑35	18♒32	17♒21	24♏17	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s16	22n28	1n54	10s54	2s19	2n41	1n16	2s48	0n19	23n49	0n 4	20s59	0n47	24s12	0s26	12n51	1n26	29s43	5s57	14s49	15s22	23s11			n.a.
W 2	0 40	18 3	0 45	11 27	2 24	2 10	1 15	3 6	0 19	23 49	0 4	21 0	0 46	24 12	0 26	12 51	1 26	29 43	5 57	14 49	15 23	23 13			n.a.
T 3	1 5	12 52	0s25	11 59	2 28	1 38	1 14	3 23	0 18	23 49	0 5	21 0	0 46	24 12	0 26	12 50	1 26	29 42	5 57	14 49	15 24	23 15			n.a.
F 4	1 29	7 14	1 33	12 30	2 31	1 7	1 12	3 41	0 18	23 50	0 5	21 1	0 46	24 12	0 26	12 49	1 26	29 42	5 57	14 49	15 25	23 17			n.a.
S 5	1 53	1 24	2 35	12 59	2 35	0 35	1 11	3 59	0 17	23 50	0 5	21 2	0 46	24 12	0 26	12 49	1 26	29 42	5 57	14 50	15 26	23 19			n.a.
S 6	2 17	4s24	3 28	13 27	2 38	0 3	1 10	4 16	0 16	23 50	0 5	21 3	0 46	24 12	0 26	12 48	1 26	29 42	5 57	14 52	15 27	23 20			n.a.
M 7	2 42	9 57	4 11	13 54	2 40	0s28	1 8	4 34	0 16	23 50	0 5	21 4	0 46	24 12	0 26	12 47	1 26	29 42	5 56	14 55	15 28	23 22			n.a.
T 8	3 6	15 4	4 43	14 18	2 42	1 0	1 7	4 51	0 15	23 50	0 5	21 5	0 46	24 12	0 26	12 47	1 26	29 42	5 56	14 58	15 29	23 24			n.a.
W 9	3 30	19 34	5 1	14 41	2 43	1 32	1 5	5 9	0 14	23 51	0 5	21 6	0 45	24 12	0 26	12 46	1 26	29 42	5 56	15 1	15 30	23 26			n.a.
T 10	3 54	23 15	5 6	15 2	2 44	2 4	1 4	5 26	0 14	23 51	0 6	21 7	0 45	24 12	0 26	12 45	1 26	29 42	5 56	15 4	15 31	23 28			n.a.
F 11	4 19	25 57	4 58	15 21	2 44	2 35	1 2	5 44	0 13	23 51	0 6	21 8	0 45	24 12	0 26	12 45	1 26	29 42	5 56	15 6	15 32	23 29			n.a.
S 12	4 43	27 30	4 37	15 37	2 43	3 7	1 0	6 1	0 13	23 51	0 6	21 9	0 45	24 12	0 26	12 44	1 26	29 42	5 56	15 8	15 33	23 31			n.a.
S 13	5 7	27 49	4 4	15 51	2 41	3 38	0 59	6 19	0 12	23 51	0 6	21 10	0 45	24 12	0 26	12 44	1 27	29 41	5 56	15 10	15 34	23 33			n.a.
M14	5 31	26 48	3 20	16 2	2 38	4 10	0 57	6 36	0 11	23 52	0 6	21 11	0 45	24 12	0 26	12 43	1 27	29 41	5 56	15 10	15 35	23 35			n.a.
T 15	5 54	24 29	2 26	16 10	2 34	4 41	0 55	6 54	0 11	23 52	0 6	21 11	0 45	24 12	0 26	12 42	1 27	29 41	5 56	15 10	15 36	23 36			n.a.
W16	6 18	20 55	1 23	16 14	2 29	5 13	0 53	7 11	0 10	23 52	0 7	21 12	0 44	24 12	0 26	12 42	1 27	29 41	5 56	15 10	15 37	23 38			n.a.
T 17	6 42	16 15	0 15	16 14	2 23	5 44	0 52	7 28	0 9	23 52	0 7	21 13	0 44	24 12	0 26	12 41	1 27	29 41	5 56	15 9	15 38	23 40			n.a.
F 18	7 5	10 39	0n57	16 11	2 15	6 15	0 50	7 46	0 9	23 52	0 7	21 14	0 44	24 12	0 26	12 41	1 27	29 41	5 55	15 10	15 39	23 41			n.a.
S 19	7 29	4 21	2 7	16 3	2 6	6 46	0 48	8 3	0 8	23 53	0 7	21 15	0 44	24 12	0 26	12 40	1 27	29 41	5 55	15 10	15 40	23 43			n.a.
S 20	7 52	2n21	3 12	15 50	1 55	7 17	0 46	8 20	0 8	23 53	0 7	21 16	0 44	24 12	0 26	12 40	1 27	29 41	5 55	15 12	15 41	23 45			n.a.
M21	8 15	9 7	4 6	15 32	1 43	7 47	0 44	8 37	0 7	23 53	0 7	21 17	0 44	24 12	0 26	12 39	1 27	29 41	5 55	15 14	15 42	23 47			n.a.
T 22	8 38	15 28	4 43	15 9	1 28	8 18	0 42	8 54	0 6	23 53	0 8	21 18	0 44	24 12	0 26	12 39	1 27	29 41	5 55	15 17	15 42	23 48			n.a.
W23	9 1	20 56	5 1	14 41	1 13	8 48	0 40	9 11	0 6	23 53	0 8	21 19	0 44	24 12	0 26	12 38	1 27	29 40	5 55	15 21	15 43	23 50			n.a.
T 24	9 24	25 0	4 58	14 7	0 55	9 18	0 37	9 28	0 5	23 53	0 8	21 20	0 43	24 12	0 26	12 37	1 27	29 40	5 55	15 24	15 44	23 52			n.a.
F 25	9 47	27 18	4 35	13 29	0 37	9 48	0 35	9 45	0 4	23 53	0 8	21 21	0 43	24 12	0 26	12 37	1 27	29 40	5 55	15 26	15 45	23 53			n.a.
S 26	10 9	27 40	3 54	12 47	0 17	10 17	0 33	10 2	0 4	23 54	0 8	21 22	0 43	24 12	0 26	12 36	1 27	29 40	5 55	15 28	15 46	23 55			n.a.
S 27	10 32	26 11	3 0	12 1	0n 3	10 46	0 31	10 19	0 3	23 54	0 8	21 24	0 43	24 11	0 26	12 36	1 27	29 40	5 55	15 29	15 47	23 57			n.a.
M28	10 54	23 8	1 56	11 13	0 24	11 16	0 29	10 36	0 2	23 54	0 8	21 25	0 43	24 11	0 26	12 36	1 27	29 40	5 55	15 29	15 48	23 58			n.a.
T 29	11 16	18 56	0 48	10 24	0 44	11 44	0 26	10 52	0 2	23 54	0 9	21 26	0 43	24 11	0 26	12 35	1 27	29 40	5 55	15 29	15 49	24 0			n.a.
W30	11 38	13 55	0s20	9 36	1 4	12 13	0 24	11 9	0 1	23 54	0 9	21 27	0 43	24 11	0 26	12 35	1 27	29 40	5 54	15 29	15 50	24 2			n.a.
T 31	12s 0	8n26	1s27	8s50	1n23	12s41	0n22	11s25	0n 0	23n54	0n 9	21s28	0n43	24s11	0s26	12n34	1n27	29s40	5s54	15s29	15s51	24s 3			n.a.

Julian Day Number = 1468943.5, Delta T = 05h32m42s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'13, Lahiri = -13°30'12 Julian Calendar 1 Oct. 692 BCE == Greg. Calendar 24 Sept. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

NOVEMBER 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 11 33	2♏ 2'25	17♍35	24°R38	5♏15	0♏10	27°R26	9♐25	2♑22	1♍12	2♑36	18°R28	17♒18	24♏24	n.a.	F 1
S 2	2 15 29	3° 3'31	29°53	23♎34	6°30	0°55	27♊24	9°32	2°24	1°13	2°37	18♒22	17°14	24°31	n.a.	S 2
S 3	2 19 26	4° 4'38	12♎ 4	22°39	7°46	1°39	27°22	9°38	2°27	1°14	2°38	18°12	17°11	24°37	n.a.	S 3
M 4	2 23 23	5° 5'47	24° 7	21°55	9° 1	2°23	27°19	9°44	2°29	1°15	2°39	18° 0	17° 8	24°44	n.a.	M 4
T 5	2 27 19	6° 6'56	6♏ 6	21°23	10°17	3° 8	27°16	9°50	2°31	1°16	2°40	17°45	17° 5	24°51	n.a.	T 5
W 6	2 31 16	7° 8'06	18° 1	21° 2	11°32	3°52	27°14	9°57	2°33	1°18	2°41	17°30	17° 2	24°58	n.a.	W 6
T 7	2 35 12	8° 9'17	29°53	20°D52	12°48	4°37	27°10	10° 3	2°36	1°19	2°42	17°16	16°59	25° 4	n.a.	T 7
F 8	2 39 9	9°10'28	11♐44	20°52	14° 4	5°21	27° 7	10° 9	2°38	1°20	2°44	17° 3	16°55	25°11	n.a.	F 8
S 9	2 43 5	10°11'40	23°35	21° 2	15°19	6° 6	27° 4	10°16	2°41	1°21	2°45	16°52	16°52	25°18	n.a.	S 9
S 10	2 47 2	11°12'53	5♑31	21°22	16°35	6°51	27° 0	10°22	2°43	1°22	2°46	16°45	16°49	25°24	n.a.	S 10
M11	2 50 59	12°14'06	17°33	21°49	17°50	7°35	26°56	10°29	2°45	1°23	2°47	16°41	16°46	25°31	n.a.	M11
T 12	2 54 55	13°15'19	29°47	22°24	19° 6	8°20	26°52	10°35	2°48	1°24	2°49	16°39	16°43	25°38	n.a.	T 12
W13	2 58 52	14°16'33	12♒17	23° 5	20°21	9° 5	26°48	10°42	2°51	1°25	2°50	16°38	16°39	25°45	n.a.	W13
T 14	3 2 48	15°17'47	25° 8	23°52	21°36	9°50	26°44	10°49	2°53	1°26	2°51	16°38	16°36	25°51	n.a.	T 14
F 15	3 6 45	16°19'01	8♓26	24°45	22°52	10°35	26°39	10°55	2°56	1°27	2°53	16°37	16°33	25°58	n.a.	F 15
S 16	3 10 41	17°20'15	22°12	25°41	24° 7	11°20	26°34	11° 2	2°58	1°28	2°54	16°34	16°30	26° 5	n.a.	S 16
S 17	3 14 38	18°21'29	6♈30	26°42	25°23	12° 5	26°30	11° 9	3° 1	1°28	2°56	16°28	16°27	26°11	n.a.	S 17
M18	3 18 34	19°22'43	21°15	27°46	26°38	12°50	26°25	11°16	3° 4	1°29	2°57	16°20	16°24	26°18	n.a.	M18
T 19	3 22 31	20°23'57	6♉23	28°54	27°54	13°35	26°19	11°22	3° 7	1°30	2°58	16° 9	16°20	26°25	n.a.	T 19
W20	3 26 28	21°25'12	21°44	0♏ 4	29° 9	14°20	26°14	11°29	3° 9	1°31	3° 0	15°57	16°17	26°32	n.a.	W20
T 21	3 30 24	22°26'27	7♊ 7	1°16	0♐24	15° 5	26° 8	11°36	3°12	1°31	3° 1	15°46	16°14	26°38	n.a.	T 21
F 22	3 34 21	23°27'43	22°18	2°31	1°40	15°50	26° 3	11°43	3°15	1°32	3° 3	15°36	16°11	26°45	n.a.	F 22
S 23	3 38 17	24°28'58	7♋ 9	3°47	2°55	16°36	25°57	11°50	3°18	1°33	3° 4	15°29	16° 8	26°52	n.a.	S 23
S 24	3 42 14	25°30'14	21°33	5° 5	4°11	17°21	25°51	11°57	3°21	1°33	3° 6	15°25	16° 5	26°59	n.a.	S 24
M25	3 46 10	26°31'30	5♌28	6°24	5°26	18° 6	25°45	12° 4	3°24	1°34	3° 7	15°23	16° 1	27° 5	n.a.	M25
T 26	3 50 7	27°32'47	18°55	7°45	6°41	18°52	25°39	12°11	3°27	1°34	3° 9	15°D23	15°58	27°12	n.a.	T 26
W27	3 54 4	28°34'04	1♍56	9° 7	7°57	19°37	25°32	12°18	3°30	1°35	3°11	15°R23	15°55	27°19	n.a.	W27
T 28	3 58 0	29°35'20	14°36	10°30	9°12	20°23	25°26	12°25	3°33	1°35	3°12	15°22	15°52	27°25	n.a.	T 28
F 29	4 1 57	0♐36'38	26°59	11°54	10°27	21° 8	25°19	12°32	3°36	1°36	3°14	15°19	15°49	27°32	n.a.	F 29
S 30	4 5 53	1♐37'55	9♎ 9	13♏19	11♐43	21♏54	25♊12	12♐39	3♑39	1♍36	3♑15	15♒13	15♒45	27♏39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s21	2n43	2s27	8s 8	1n40	13s 9	0n20	11s42	0s 0	23n54	0n 9	21s29	0n43	24s11	0s26	12n34	1n27	29s40	5s54	15s30	15s52	24s 5		n.a.
S 2	12 42	3s 0	3 20	7 30	1 55	13 36	0 17	11 58	0 1	23 55	0 9	21 30	0 42	24 11	0 26	12 33	1 27	29 39	5 54	15 32	15 53	24 6		n.a.
S 3	13 3	8 33	4 3	6 58	2 8	14 4	0 15	12 14	0 2	23 55	0 9	21 31	0 42	24 11	0 26	12 33	1 28	29 39	5 54	15 35	15 54	24 8		n.a.
M 4	13 24	13 43	4 34	6 31	2 18	14 31	0 13	12 30	0 2	23 55	0 10	21 32	0 42	24 11	0 26	12 33	1 28	29 39	5 54	15 39	15 55	24 10		n.a.
T 5	13 45	18 21	4 53	6 11	2 27	14 57	0 10	12 47	0 3	23 55	0 10	21 33	0 42	24 11	0 26	12 32	1 28	29 39	5 54	15 44	15 56	24 11		n.a.
W 6	14 5	22 13	4 59	5 57	2 34	15 23	0 8	13 2	0 3	23 55	0 10	21 34	0 42	24 11	0 26	12 32	1 28	29 39	5 54	15 48	15 57	24 13		n.a.
T 7	14 25	25 10	4 52	5 49	2 39	15 49	0 5	13 18	0 4	23 55	0 10	21 35	0 42	24 11	0 26	12 31	1 28	29 39	5 54	15 53	15 58	24 14		n.a.
F 8	14 45	27 1	4 33	5 46	2 42	16 14	0 3	13 34	0 5	23 55	0 10	21 36	0 42	24 11	0 26	12 31	1 28	29 39	5 54	15 57	15 59	24 16		n.a.
S 9	15 5	27 38	4 1	5 48	2 43	16 39	0 1	13 50	0 5	23 55	0 10	21 37	0 42	24 11	0 26	12 31	1 28	29 39	5 54	16 0	16 0	24 17		n.a.
S 10	15 24	26 58	3 19	5 56	2 43	17 3	0s 2	14 5	0 6	23 55	0 11	21 38	0 42	24 11	0 26	12 30	1 28	29 39	5 54	16 2	16 1	24 19		n.a.
M11	15 44	25 2	2 27	6 7	2 42	17 27	0 4	14 21	0 7	23 55	0 11	21 39	0 41	24 11	0 26	12 30	1 28	29 39	5 54	16 4	16 2	24 21		n.a.
T 12	16 2	21 55	1 28	6 22	2 40	17 51	0 6	14 36	0 7	23 56	0 11	21 40	0 41	24 11	0 26	12 30	1 28	29 39	5 54	16 4	16 3	24 22		n.a.
W13	16 21	17 44	0 23	6 40	2 37	18 14	0 9	14 51	0 8	23 56	0 11	21 41	0 41	24 11	0 26	12 30	1 28	29 39	5 54	16 4	16 4	24 24		n.a.
T 14	16 39	12 37	0n45	7 1	2 33	18 36	0 11	15 6	0 9	23 56	0 11	21 42	0 41	24 10	0 26	12 29	1 28	29 38	5 54	16 4	16 5	24 25		n.a.
F 15	16 57	6 48	1 52	7 25	2 29	18 58	0 14	15 21	0 9	23 56	0 11	21 43	0 41	24 10	0 26	12 29	1 28	29 38	5 54	16 5	16 6	24 27		n.a.
S 16	17 15	0 27	2 56	7 51	2 24	19 20	0 16	15 36	0 10	23 56	0 12	21 44	0 41	24 10	0 26	12 29	1 28	29 38	5 53	16 6	16 7	24 28		n.a.
S 17	17 32	6n 8	3 51	8 18	2 18	19 41	0 18	15 51	0 11	23 56	0 12	21 45	0 41	24 10	0 26	12 28	1 28	29 38	5 53	16 7	16 8	24 30		n.a.
M18	17 49	12 36	4 32	8 47	2 12	20 1	0 21	16 5	0 11	23 56	0 12	21 47	0 41	24 10	0 26	12 28	1 28	29 38	5 53	16 10	16 9	24 31		n.a.
T 19	18 6	18 29	4 56	9 17	2 5	20 21	0 23	16 20	0 12	23 56	0 12	21 48	0 41	24 10	0 26	12 28	1 28	29 38	5 53	16 13	16 10	24 33		n.a.
W20	18 22	23 15	4 58	9 48	1 59	20 40	0 25	16 34	0 13	23 56	0 12	21 49	0 41	24 10	0 26	12 28	1 28	29 38	5 53	16 17	16 11	24 34		n.a.
T 21	18 38	26 24	4 40	10 20	1 52	20 59	0 28	16 48	0 13	23 56	0 13	21 50	0 40	24 10	0 26	12 28	1 29	29 38	5 53	16 20	16 12	24 36		n.a.
F 22	18 54	27 34	4 1	10 53	1 45	21 17	0 30	17 2	0 14	23 56	0 13	21 51	0 40	24 10	0 26	12 27	1 29	29 38	5 53	16 23	16 13	24 37		n.a.
S 23	19 10	26 42	3 7	11 26	1 37	21 34	0 32	17 16	0 15	23 56	0 13	21 52	0 40	24 10	0 26	12 27	1 29	29 38	5 53	16 25	16 14	24 39		n.a.
S 24	19 25	24 2	2 2	11 59	1 30	21 51	0 34	17 30	0 15	23 56	0 13	21 53	0 40	24 10	0 26	12 27	1 29	29 38	5 53	16 27	16 15	24 40		n.a.
M25	19 39	20 1	0 52	12 33	1 22	22 7	0 37	17 43	0 16	23 56	0 13	21 54	0 40	24 10	0 25	12 27	1 29	29 38	5 53	16 27	16 16	24 42		n.a.
T 26	19 54	15 4	0s19	13 7	1 15	22 22	0 39	17 57	0 17	23 56	0 13	21 55	0 40	24 10	0 25	12 27	1 29	29 38	5 53	16 27	16 17	24 43		n.a.
W27	20 7	9 36	1 26	13 41	1 7	22 37	0 41	18 10	0 17	23 56	0 14	21 56	0 40	24 9	0 25	12 27	1 29	29 38	5 53	16 27	16 18	24 44		n.a.
T 28	20 21	3 53	2 28	14 14	1 0	22 51	0 43	18 23	0 18	23 56	0 14	21 57	0 40	24 9	0 25	12 27	1 29	29 37	5 53	16 27	16 18	24 46		n.a.
F 29	20 34	1s51	3 21	14 48	0 52	23 5	0 45	18 36	0 19	23 56	0 14	21 58	0 40	24 9	0 25	12 27	1 29	29 37	5 53	16 28	16 19	24 47		n.a.
S 30	20s47	7s24	4s 4	15s21	0n44	23s18	0s47	18s49	0s19	23n56	0n14	21s59	0n40	24s 9	0s25	12n26	1n29	29s37	5s53	16s30	16s20	24s49		n.a.

Julian Day Number = 1468974.5, Delta T = 05h32m40s
Ecliptic obliquity = 23°46'50, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'09, Lahiri = -13°30'08 Julian Calendar 1 Nov. 692 BCE == Greg. Calendar 25 Oct. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 692 BCE
geocentric

DECEMBER 692 BCE (-691) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 9 50	2♐39'12	21♎11	14♏44	12♐58	22♏39	25°R 5	12♐46	3♑42	1♍36	3♑17	15°R 4	15♒42	27♏46	n.a.	S 1
M 2	4 13 46	3°40'29	3♏ 7	16°10	14°13	23°25	24♊58	12°53	3°45	1°37	3°19	14♒53	15°39	27°52	n.a.	M 2
T 3	4 17 43	4°41'46	15° 0	17°37	15°29	24°11	24°51	13° 0	3°48	1°37	3°20	14°40	15°36	27°59	n.a.	T 3
W 4	4 21 39	5°43'03	26°52	19° 5	16°44	24°56	24°44	13° 7	3°52	1°37	3°22	14°26	15°33	28° 6	n.a.	W 4
T 5	4 25 36	6°44'20	8♐44	20°33	17°59	25°42	24°37	13°14	3°55	1°37	3°24	14°12	15°30	28°12	n.a.	T 5
F 6	4 29 33	7°45'36	20°38	22° 2	19°14	26°28	24°30	13°21	3°58	1°38	3°25	14° 0	15°26	28°19	n.a.	F 6
S 7	4 33 29	8°46'52	2♑34	23°31	20°30	27°14	24°22	13°28	4° 1	1°38	3°27	13°50	15°23	28°26	n.a.	S 7
S 8	4 37 26	9°48'07	14°35	25° 1	21°45	27°59	24°14	13°35	4° 5	1°38	3°29	13°43	15°20	28°33	n.a.	S 8
M 9	4 41 22	10°49'22	26°43	26°31	23° 0	28°45	24° 7	13°42	4° 8	1°38	3°31	13°39	15°17	28°39	n.a.	M 9
T 10	4 45 19	11°50'36	9♒ 1	28° 2	24°15	29°31	23°59	13°49	4°11	1°38	3°32	13°D38	15°14	28°46	n.a.	T 10
W11	4 49 15	12°51'49	21°32	29°34	25°31	0♐17	23°51	13°57	4°14	1°R38	3°34	13°38	15°11	28°53	n.a.	W11
T 12	4 53 12	13°53'01	4♓22	1♐ 5	26°46	1° 3	23°44	14° 4	4°18	1°38	3°36	13°38	15° 7	29° 0	n.a.	T 12
F 13	4 57 8	14°54'12	17°32	2°38	28° 1	1°49	23°36	14°11	4°21	1°38	3°38	13°R39	15° 4	29° 6	n.a.	F 13
S 14	5 1 5	15°55'22	1♈ 8	4°11	29°16	2°35	23°28	14°18	4°24	1°38	3°39	13°38	15° 1	29°13	n.a.	S 14
S 15	5 5 2	16°56'31	15°11	5°44	0♑31	3°21	23°20	14°25	4°28	1°38	3°41	13°34	14°58	29°20	n.a.	S 15
M16	5 8 58	17°57'39	29°41	7°18	1°46	4° 7	23°12	14°32	4°31	1°37	3°43	13°29	14°55	29°26	n.a.	M16
T 17	5 12 55	18°58'46	14♉35	8°53	3° 1	4°54	23° 4	14°39	4°35	1°37	3°45	13°21	14°51	29°33	n.a.	T 17
W18	5 16 51	19°59'52	29°44	10°28	4°17	5°40	22°56	14°46	4°38	1°37	3°47	13°13	14°48	29°40	n.a.	W18
T 19	5 20 48	21° 0'57	15♊ 1	12° 3	5°32	6°26	22°48	14°54	4°41	1°37	3°48	13° 4	14°45	29°47	n.a.	T 19
F 20	5 24 44	22° 2'01	0♋13	13°39	6°47	7°12	22°40	15° 1	4°45	1°36	3°50	12°57	14°42	29°53	n.a.	F 20
S 21	5 28 41	23° 3'04	15°10	15°16	8° 2	7°58	22°32	15° 8	4°48	1°36	3°52	12°52	14°39	0♐ 0	n.a.	S 21
S 22	5 32 38	24° 4'07	29°44	16°54	9°17	8°45	22°24	15°15	4°52	1°36	3°54	12°49	14°36	0° 7	n.a.	S 22
M23	5 36 34	25° 5'08	13♌50	18°32	10°32	9°31	22°16	15°22	4°55	1°35	3°56	12°D48	14°32	0°13	n.a.	M23
T 24	5 40 31	26° 6'09	27°28	20°10	11°47	10°17	22° 8	15°29	4°59	1°35	3°58	12°49	14°29	0°20	n.a.	T 24
W25	5 44 27	27° 7'08	10♍38	21°50	13° 2	11° 4	22° 0	15°36	5° 2	1°34	3°59	12°50	14°26	0°27	n.a.	W25
T 26	5 48 24	28° 8'07	23°24	23°30	14°17	11°50	21°52	15°43	5° 6	1°34	4° 1	12°R51	14°23	0°34	n.a.	T 26
F 27	5 52 20	29° 9'05	5♎50	25°10	15°31	12°37	21°44	15°50	5° 9	1°33	4° 3	12°51	14°20	0°40	n.a.	F 27
S 28	5 56 17	0♑10'02	18° 0	26°52	16°46	13°23	21°36	15°57	5°13	1°33	4° 5	12°49	14°17	0°47	n.a.	S 28
S 29	6 0 13	1°10'58	29°59	28°34	18° 1	14°10	21°28	16° 4	5°16	1°32	4° 7	12°45	14°13	0°54	n.a.	S 29
M30	6 4 10	2°11'53	11♏53	0♑17	19°16	14°56	21°20	16°11	5°20	1°32	4° 9	12°40	14°10	1° 1	n.a.	M30
T 31	6 8 7	3♑12'47	23♏44	2♑ 0	20♑31	15♐43	21♊12	16♐18	5♑23	1♍31	4♑10	12♒33	14♒ 7	1♐ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	20s59	12s37	4s36	15s54	0n37	23s30	0s49	19s 1	0s20	23n55	0n14	22s 0	0n40	24s 9	0s25	12n26	1n29	29s37	5s53	16s33	16s21	24s50			n.a.
M 2	21 11	17 20	4 55	16 27	0 29	23 41	0 52	19 13	0 21	23 55	0 14	22 1	0 40	24 9	0 25	12 26	1 29	29 37	5 53	16 36	16 22	24 52			n.a.
T 3	21 23	21 21	5 1	16 59	0 22	23 52	0 54	19 26	0 21	23 55	0 15	22 2	0 39	24 9	0 25	12 26	1 29	29 37	5 53	16 40	16 23	24 53			n.a.
W 4	21 34	24 30	4 54	17 31	0 14	24 2	0 55	19 38	0 22	23 55	0 15	22 3	0 39	24 9	0 25	12 26	1 29	29 37	5 53	16 44	16 24	24 54			n.a.
T 5	21 45	26 35	4 34	18 2	0 7	24 11	0 57	19 49	0 23	23 55	0 15	22 4	0 39	24 9	0 25	12 26	1 29	29 37	5 53	16 48	16 25	24 56			n.a.
F 6	21 55	27 29	4 3	18 32	0s 0	24 19	0 59	20 1	0 23	23 55	0 15	22 5	0 39	24 9	0 25	12 26	1 29	29 37	5 53	16 52	16 26	24 57			n.a.
S 7	22 5	27 5	3 20	19 2	0 7	24 27	1 1	20 12	0 24	23 55	0 15	22 6	0 39	24 9	0 25	12 26	1 29	29 37	5 53	16 55	16 27	24 58			n.a.
S 8	22 14	25 25	2 28	19 31	0 14	24 34	1 3	20 24	0 25	23 55	0 15	22 7	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 57	16 28	25 0			n.a.
M 9	22 23	22 34	1 29	20 0	0 21	24 40	1 5	20 35	0 25	23 54	0 16	22 7	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 58	16 29	25 1			n.a.
T 10	22 32	18 39	0 25	20 27	0 28	24 46	1 6	20 45	0 26	23 54	0 16	22 8	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 58	16 30	25 3			n.a.
W11	22 40	13 52	0n42	20 54	0 34	24 50	1 8	20 56	0 26	23 54	0 16	22 9	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 58	16 31	25 4			n.a.
T 12	22 47	8 22	1 48	21 20	0 41	24 54	1 10	21 6	0 27	23 54	0 16	22 10	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 58	16 32	25 5			n.a.
F 13	22 55	2 22	2 51	21 45	0 47	24 57	1 11	21 16	0 28	23 54	0 16	22 11	0 39	24 8	0 25	12 26	1 30	29 37	5 53	16 58	16 33	25 7			n.a.
S 14	23 1	3n54	3 46	22 9	0 53	25 0	1 13	21 26	0 28	23 53	0 16	22 12	0 39	24 8	0 25	12 27	1 30	29 37	5 53	16 58	16 34	25 8			n.a.
S 15	23 8	10 11	4 29	22 32	0 59	25 1	1 14	21 36	0 29	23 53	0 17	22 13	0 39	24 8	0 25	12 27	1 30	29 37	5 53	16 59	16 35	25 9			n.a.
M16	23 14	16 8	4 57	22 54	1 5	25 2	1 16	21 46	0 30	23 53	0 17	22 14	0 38	24 8	0 25	12 27	1 30	29 37	5 53	17 1	16 36	25 10			n.a.
T 17	23 19	21 17	5 5	23 15	1 10	25 2	1 17	21 55	0 30	23 53	0 17	22 15	0 38	24 7	0 25	12 27	1 30	29 37	5 53	17 3	16 37	25 12			n.a.
W18	23 24	25 9	4 53	23 35	1 16	25 1	1 19	22 4	0 31	23 52	0 17	22 16	0 38	24 7	0 25	12 27	1 30	29 37	5 53	17 5	16 37	25 13			n.a.
T 19	23 28	27 13	4 20	23 53	1 21	24 59	1 20	22 13	0 32	23 52	0 17	22 17	0 38	24 7	0 25	12 27	1 30	29 37	5 53	17 8	16 38	25 14			n.a.
F 20	23 32	27 15	3 28	24 11	1 25	24 57	1 21	22 21	0 32	23 52	0 17	22 17	0 38	24 7	0 25	12 27	1 30	29 37	5 53	17 10	16 39	25 16			n.a.
S 21	23 36	25 16	2 23	24 27	1 30	24 54	1 22	22 29	0 33	23 51	0 17	22 18	0 38	24 7	0 25	12 28	1 30	29 37	5 53	17 11	16 40	25 17			n.a.
S 22	23 39	21 38	1 10	24 41	1 34	24 50	1 23	22 38	0 34	23 51	0 18	22 19	0 38	24 7	0 25	12 28	1 30	29 37	5 53	17 12	16 41	25 18			n.a.
M23	23 41	16 49	0s 6	24 55	1 38	24 45	1 24	22 45	0 34	23 51	0 18	22 20	0 38	24 7	0 25	12 28	1 30	29 37	5 53	17 12	16 42	25 19			n.a.
T 24	23 43	11 18	1 18	25 6	1 42	24 40	1 25	22 53	0 35	23 50	0 18	22 21	0 38	24 7	0 25	12 28	1 30	29 37	5 53	17 12	16 43	25 21			n.a.
W25	23 45	5 28	2 25	25 17	1 46	24 34	1 26	23 0	0 35	23 50	0 18	22 22	0 38	24 6	0 25	12 28	1 31	29 36	5 54	17 12	16 44	25 22			n.a.
T 26	23 46	0s25	3 21	25 26	1 49	24 27	1 27	23 7	0 36	23 50	0 18	22 22	0 38	24 6	0 25	12 29	1 31	29 36	5 54	17 12	16 45	25 23			n.a.
F 27	23 47	6 7	4 7	25 33	1 52	24 19	1 28	23 14	0 37	23 49	0 18	22 23	0 38	24 6	0 25	12 29	1 31	29 36	5 54	17 12	16 46	25 24			n.a.
S 28	23 47	11 28	4 41	25 39	1 54	24 11	1 29	23 21	0 37	23 49	0 18	22 24	0 38	24 6	0 25	12 29	1 31	29 36	5 54	17 12	16 47	25 26			n.a.
S 29	23 46	16 19	5 2	25 42	1 56	24 1	1 29	23 27	0 38	23 49	0 19	22 25	0 38	24 6	0 25	12 29	1 31	29 36	5 54	17 13	16 48	25 27			n.a.
M30	23 46	20 30	5 9	25 45	1 58	23 51	1 30	23 33	0 39	23 48	0 19	22 26	0 38	24 6	0 25	12 30	1 31	29 36	5 54	17 15	16 49	25 28			n.a.
T 31	23s44	23s52	5s 3	25s45	1s59	23s41	1s31	23s39	0s39	23n48	0n19	22s26	0n38	24s 6	0s25	12n30	1n31	29s36	5s54	17s17	16s50	25s29			n.a.

Julian Day Number = 1469004.5, Delta T = 05h32m39s
Ecliptic obliquity = 23°46'49, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'05, Lahiri = -13°30'04 Julian Calendar 1 Dec. 692 BCE == Greg. Calendar 24 Nov. 692 BCE

The year -691 astronomical counting style corresponds to year 692 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

JANUARY 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 12 3	4♑13'40	5♐35	3♑44	21♑46	16♐29	21°R 5	16♐25	5♑27	1°R30	4♑12	12°R25	14♒ 4	1♐14	n.a.	W 1
T 2	6 16 0	5°14'31	17°29	5°29	23° 1	17°16	20♊57	16°32	5°30	1♍30	4°14	12♒18	14° 1	1°21	n.a.	T 2
F 3	6 19 56	6°15'22	29°28	7°15	24°15	18° 2	20°50	16°39	5°34	1°29	4°16	12°11	13°57	1°27	n.a.	F 3
S 4	6 23 53	7°16'11	11♑33	9° 2	25°30	18°49	20°42	16°45	5°37	1°28	4°18	12° 6	13°54	1°34	n.a.	S 4
S 5	6 27 49	8°16'58	23°45	10°49	26°45	19°36	20°35	16°52	5°41	1°27	4°20	12° 2	13°51	1°41	n.a.	S 5
M 6	6 31 46	9°17'44	6♒ 6	12°36	28° 0	20°22	20°27	16°59	5°44	1°26	4°22	12°D 1	13°48	1°48	n.a.	M 6
T 7	6 35 43	10°18'28	18°38	14°25	29°14	21° 9	20°20	17° 6	5°48	1°25	4°23	12° 1	13°45	1°54	n.a.	T 7
W 8	6 39 39	11°19'10	1♓22	16°14	0♒29	21°56	20°13	17°13	5°51	1°25	4°25	12° 2	13°42	2° 1	n.a.	W 8
T 9	6 43 36	12°19'51	14°20	18° 3	1°44	22°42	20° 6	17°19	5°55	1°24	4°27	12° 4	13°38	2° 8	n.a.	T 9
F 10	6 47 32	13°20'30	27°35	19°53	2°58	23°29	19°59	17°26	5°58	1°23	4°29	12° 5	13°35	2°14	n.a.	F 10
S 11	6 51 29	14°21'06	11♈ 9	21°44	4°13	24°16	19°53	17°33	6° 2	1°22	4°31	12°R 6	13°32	2°21	n.a.	S 11
S 12	6 55 25	15°21'41	25° 2	23°34	5°27	25° 3	19°46	17°39	6° 5	1°21	4°33	12° 6	13°29	2°28	n.a.	S 12
M13	6 59 22	16°22'14	9♉16	25°25	6°42	25°49	19°39	17°46	6° 9	1°20	4°34	12° 4	13°26	2°35	n.a.	M13
T 14	7 3 18	17°22'45	23°47	27°15	7°57	26°36	19°33	17°52	6°12	1°19	4°36	12° 2	13°23	2°41	n.a.	T 14
W15	7 7 15	18°23'14	8♊33	29° 5	9°11	27°23	19°27	17°59	6°15	1°18	4°38	11°58	13°19	2°48	n.a.	W15
T 16	7 11 12	19°23'41	23°26	0♋55	10°25	28°10	19°21	18° 5	6°19	1°16	4°40	11°55	13°16	2°55	n.a.	T 16
F 17	7 15 8	20°24'06	8♋18	2°43	11°40	28°56	19°15	18°12	6°22	1°15	4°42	11°52	13°13	3° 1	n.a.	F 17
S 18	7 19 5	21°24'30	23° 3	4°30	12°54	29°43	19° 9	18°18	6°26	1°14	4°44	11°50	13°10	3° 8	n.a.	S 18
S 19	7 23 1	22°24'51	7♌31	6°16	14° 9	0♑30	19° 3	18°24	6°29	1°13	4°45	11°D50	13° 7	3°15	n.a.	S 19
M20	7 26 58	23°25'11	21°37	8° 0	15°23	1°17	18°58	18°31	6°33	1°12	4°47	11°50	13° 3	3°22	n.a.	M20
T 21	7 30 54	24°25'29	5♍19	9°41	16°37	2° 4	18°52	18°37	6°36	1°11	4°49	11°51	13° 0	3°28	n.a.	T 21
W22	7 34 51	25°25'45	18°36	11°19	17°51	2°51	18°47	18°43	6°39	1° 9	4°51	11°52	12°57	3°35	n.a.	W22
T 23	7 38 47	26°25'59	1♎29	12°54	19° 6	3°38	18°42	18°49	6°43	1° 8	4°52	11°53	12°54	3°42	n.a.	T 23
F 24	7 42 44	27°26'12	14° 1	14°25	20°20	4°24	18°37	18°55	6°46	1° 7	4°54	11°54	12°51	3°48	n.a.	F 24
S 25	7 46 41	28°26'23	26°16	15°51	21°34	5°11	18°32	19° 1	6°49	1° 5	4°56	11°R55	12°48	3°55	n.a.	S 25
S 26	7 50 37	29°26'33	8♏18	17°11	22°48	5°58	18°28	19° 7	6°53	1° 4	4°58	11°55	12°44	4° 2	n.a.	S 26
M27	7 54 34	0♒26'41	20°13	18°26	24° 2	6°45	18°23	19°13	6°56	1° 3	4°59	11°54	12°41	4° 9	n.a.	M27
T 28	7 58 30	1°26'47	2♐ 4	19°34	25°16	7°32	18°19	19°19	6°59	1° 1	5° 1	11°53	12°38	4°15	n.a.	T 28
W29	8 2 27	2°26'51	13°56	20°35	26°30	8°19	18°15	19°25	7° 2	1° 0	5° 3	11°51	12°35	4°22	n.a.	W29
T 30	8 6 23	3°26'54	25°53	21°28	27°44	9° 6	18°11	19°31	7° 6	0°59	5° 4	11°50	12°32	4°29	n.a.	T 30
F 31	8 10 20	4♒26'55	7♑57	22♒14	28♒58	9♑53	18♊ 7	19♐37	7♑ 9	0♍57	5♑ 6	11♒49	12♒29	4♐35	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23 s43	26 s12	4 s45	25 s44	2 s 0	23 s29	1 s31	23 s45	0 s40	23n47	0n19	22 s27	0n38	24 s 5	0 s26	12n30	1n31	29 s36	5 s54	17 s19	16 s51	25 s30			n.a.
T 2	23 40	27 23	4 13	25 41	2 1	23 17	1 31	23 50	0 40	23 47	0 19	22 28	0 37	24 5	0 26	12 31	1 31	29 36	5 54	17 21	16 51	25 32			n.a.
F 3	23 38	27 18	3 31	25 35	2 1	23 4	1 32	23 55	0 41	23 47	0 19	22 29	0 37	24 5	0 26	12 31	1 31	29 37	5 54	17 23	16 52	25 33			n.a.
S 4	23 35	25 54	2 38	25 28	2 1	22 51	1 32	24 0	0 42	23 46	0 19	22 29	0 37	24 5	0 26	12 31	1 31	29 37	5 54	17 25	16 53	25 34			n.a.
S 5	23 31	23 16	1 38	25 19	2 0	22 37	1 32	24 4	0 42	23 46	0 20	22 30	0 37	24 5	0 26	12 32	1 31	29 37	5 54	17 26	16 54	25 35			n.a.
M 6	23 27	19 32	0 32	25 8	1 58	22 22	1 32	24 8	0 43	23 45	0 20	22 31	0 37	24 5	0 26	12 32	1 31	29 37	5 54	17 26	16 55	25 36			n.a.
T 7	23 22	14 53	0n36	24 55	1 56	22 6	1 32	24 12	0 43	23 45	0 20	22 32	0 37	24 5	0 26	12 32	1 31	29 37	5 54	17 26	16 56	25 37			n.a.
W 8	23 17	9 32	1 44	24 40	1 54	21 50	1 32	24 16	0 44	23 45	0 20	22 32	0 37	24 4	0 26	12 33	1 31	29 37	5 55	17 26	16 57	25 38			n.a.
T 9	23 12	3 41	2 48	24 22	1 51	21 33	1 32	24 19	0 45	23 44	0 20	22 33	0 37	24 4	0 26	12 33	1 31	29 37	5 55	17 25	16 58	25 40			n.a.
F 10	23 6	2n27	3 44	24 3	1 47	21 16	1 32	24 22	0 45	23 44	0 20	22 34	0 37	24 4	0 26	12 33	1 31	29 37	5 55	17 25	16 59	25 41			n.a.
S 11	23 0	8 35	4 29	23 42	1 43	20 58	1 32	24 25	0 46	23 43	0 20	22 34	0 37	24 4	0 26	12 34	1 31	29 37	5 55	17 25	17 0	25 42			n.a.
S 12	22 53	14 28	5 0	23 18	1 38	20 39	1 32	24 27	0 46	23 43	0 20	22 35	0 37	24 4	0 26	12 34	1 31	29 37	5 55	17 25	17 1	25 43			n.a.
M13	22 46	19 43	5 13	22 53	1 33	20 20	1 32	24 30	0 47	23 43	0 20	22 36	0 37	24 4	0 26	12 35	1 32	29 37	5 55	17 25	17 2	25 44			n.a.
T 14	22 38	23 56	5 7	22 25	1 26	20 0	1 31	24 32	0 48	23 42	0 21	22 36	0 37	24 4	0 26	12 35	1 32	29 37	5 55	17 26	17 3	25 45			n.a.
W15	22 30	26 40	4 41	21 56	1 19	19 40	1 31	24 33	0 48	23 42	0 21	22 37	0 37	24 3	0 26	12 36	1 32	29 37	5 55	17 27	17 4	25 46			n.a.
T 16	22 21	27 32	3 56	21 24	1 12	19 19	1 30	24 35	0 49	23 41	0 21	22 38	0 37	24 3	0 26	12 36	1 32	29 37	5 55	17 28	17 4	25 47			n.a.
F 17	22 12	26 25	2 54	20 51	1 3	18 58	1 29	24 36	0 49	23 41	0 21	22 38	0 37	24 3	0 26	12 36	1 32	29 37	5 55	17 28	17 5	25 48			n.a.
S 18	22 3	23 27	1 42	20 17	0 54	18 36	1 29	24 37	0 50	23 41	0 21	22 39	0 37	24 3	0 26	12 37	1 32	29 37	5 56	17 29	17 6	25 49			n.a.
S 19	21 53	19 2	0 24	19 41	0 44	18 13	1 28	24 37	0 50	23 40	0 21	22 39	0 37	24 3	0 26	12 37	1 32	29 37	5 56	17 29	17 7	25 50			n.a.
M20	21 43	13 39	0 s54	19 4	0 34	17 50	1 27	24 37	0 51	23 40	0 21	22 40	0 37	24 3	0 26	12 38	1 32	29 37	5 56	17 29	17 8	25 52			n.a.
T 21	21 32	7 44	2 6	18 26	0 22	17 27	1 26	24 37	0 51	23 40	0 21	22 41	0 37	24 2	0 26	12 38	1 32	29 37	5 56	17 29	17 9	25 53			n.a.
W22	21 21	1 40	3 9	17 47	0 10	17 3	1 25	24 37	0 52	23 39	0 21	22 41	0 37	24 2	0 26	12 39	1 32	29 37	5 56	17 28	17 10	25 54			n.a.
T 23	21 10	4 s17	4 1	17 8	0n 2	16 39	1 24	24 36	0 53	23 39	0 22	22 42	0 36	24 2	0 26	12 39	1 32	29 37	5 56	17 28	17 11	25 55			n.a.
F 24	20 58	9 53	4 40	16 29	0 16	16 14	1 23	24 35	0 53	23 39	0 22	22 42	0 36	24 2	0 26	12 40	1 32	29 37	5 56	17 28	17 12	25 56			n.a.
S 25	20 46	15 0	5 5	15 51	0 30	15 49	1 22	24 34	0 54	23 38	0 22	22 43	0 36	24 2	0 26	12 40	1 32	29 37	5 56	17 28	17 13	25 57			n.a.
S 26	20 33	19 26	5 16	15 13	0 44	15 23	1 21	24 33	0 54	23 38	0 22	22 43	0 36	24 2	0 26	12 41	1 32	29 37	5 57	17 28	17 14	25 58			n.a.
M27	20 21	23 4	5 13	14 36	0 59	14 57	1 20	24 31	0 55	23 38	0 22	22 44	0 36	24 1	0 26	12 41	1 32	29 38	5 57	17 28	17 14	25 59			n.a.
T 28	20 7	25 43	4 57	14 0	1 14	14 30	1 18	24 29	0 55	23 37	0 22	22 44	0 36	24 1	0 26	12 42	1 32	29 38	5 57	17 28	17 15	26 0			n.a.
W29	19 54	27 14	4 28	13 26	1 29	14 4	1 17	24 26	0 56	23 37	0 22	22 45	0 36	24 1	0 26	12 42	1 32	29 38	5 57	17 29	17 16	26 1			n.a.
T 30	19 40	27 31	3 48	12 55	1 44	13 36	1 15	24 24	0 56	23 37	0 22	22 45	0 36	24 1	0 26	12 43	1 32	29 38	5 57	17 29	17 17	26 2			n.a.
F 31	19 s25	26 s29	2 s57	12 s26	1n59	13 s 9	1 s14	24 s21	0 s57	23n37	0n22	22 s46	0n36	24 s 1	0 s26	12n43	1n32	29 s38	5 s57	17 s29	17 s18	26 s 3			n.a.

Julian Day Number = 1469035.5, Delta T = 05h32m37s
Ecliptic obliquity = 23°46'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°37'00, Lahiri = -13°30'00 Julian Calendar 1 Jan. 691 BCE == Greg. Calendar 25 Dec. 692 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

FEBRUARY 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 14 16	5♒26'53	20♑11	22♒51	0♓12	10♑40	18°R 4	19♐42	7♑12	0°R56	5♑ 8	11°R48	12♒25	4♐42	n.a.	S 1
S 2	8 18 13	6°26'50	2♒37	23°19	1°26	11°27	18♊ 1	19°48	7°15	0♍54	5° 9	11♒48	12°22	4°49	n.a.	S 2
M 3	8 22 10	7°26'45	15°15	23°39	2°39	12°14	17°57	19°54	7°18	0°53	5°11	11°D48	12°19	4°56	n.a.	M 3
T 4	8 26 6	8°26'38	28° 7	23°50	3°53	13° 1	17°54	19°59	7°22	0°51	5°13	11°48	12°16	5° 2	n.a.	T 4
W 5	8 30 3	9°26'28	11♓13	23°R51	5° 7	13°48	17°52	20° 5	7°25	0°50	5°14	11°48	12°13	5° 9	n.a.	W 5
T 6	8 33 59	10°26'16	24°32	23°44	6°21	14°34	17°49	20°10	7°28	0°48	5°16	11°48	12° 9	5°16	n.a.	T 6
F 7	8 37 56	11°26'02	8♈ 4	23°29	7°34	15°21	17°47	20°15	7°31	0°47	5°17	11°R48	12° 6	5°22	n.a.	F 7
S 8	8 41 52	12°25'45	21°48	23° 6	8°48	16° 8	17°44	20°21	7°34	0°45	5°19	11°48	12° 3	5°29	n.a.	S 8
S 9	8 45 49	13°25'26	5♉45	22°35	10° 1	16°55	17°42	20°26	7°37	0°44	5°20	11°48	12° 0	5°36	n.a.	S 9
M10	8 49 45	14°25'05	19°52	21°58	11°15	17°42	17°41	20°31	7°40	0°42	5°22	11°D48	11°57	5°43	n.a.	M10
T 11	8 53 42	15°24'41	4♊ 8	21°15	12°28	18°29	17°39	20°36	7°43	0°41	5°23	11°48	11°54	5°49	n.a.	T 11
W12	8 57 38	16°24'15	18°30	20°27	13°42	19°16	17°38	20°41	7°46	0°39	5°25	11°49	11°50	5°56	n.a.	W12
T 13	9 1 35	17°23'46	2♋55	19°36	14°55	20° 3	17°36	20°46	7°49	0°37	5°26	11°49	11°47	6° 3	n.a.	T 13
F 14	9 5 32	18°23'15	17°19	18°42	16° 8	20°50	17°35	20°51	7°51	0°36	5°28	11°50	11°44	6° 9	n.a.	F 14
S 15	9 9 28	19°22'42	1♌36	17°47	17°21	21°36	17°34	20°56	7°54	0°34	5°29	11°50	11°41	6°16	n.a.	S 15
S 16	9 13 25	20°22'06	15°43	16°53	18°35	22°23	17°34	21° 1	7°57	0°33	5°31	11°R50	11°38	6°23	n.a.	S 16
M17	9 17 21	21°21'28	29°35	15°59	19°48	23°10	17°33	21° 5	8° 0	0°31	5°32	11°50	11°35	6°30	n.a.	M17
T 18	9 21 18	22°20'48	13♍ 9	15° 7	21° 1	23°57	17°33	21°10	8° 3	0°29	5°34	11°49	11°31	6°36	n.a.	T 18
W19	9 25 14	23°20'06	26°22	14°19	22°14	24°44	17°D33	21°14	8° 5	0°28	5°35	11°48	11°28	6°43	n.a.	W19
T 20	9 29 11	24°19'22	9♎16	13°34	23°27	25°31	17°33	21°19	8° 8	0°26	5°36	11°46	11°25	6°50	n.a.	T 20
F 21	9 33 7	25°18'36	21°51	12°54	24°40	26°17	17°33	21°23	8°11	0°24	5°38	11°44	11°22	6°56	n.a.	F 21
S 22	9 37 4	26°17'48	4♏ 9	12°19	25°52	27° 4	17°34	21°28	8°13	0°23	5°39	11°43	11°19	7° 3	n.a.	S 22
S 23	9 41 1	27°16'58	16°14	11°49	27° 5	27°51	17°34	21°32	8°16	0°21	5°40	11°42	11°15	7°10	n.a.	S 23
M24	9 44 57	28°16'06	28°10	11°24	28°18	28°38	17°35	21°36	8°18	0°20	5°41	11°D41	11°12	7°17	n.a.	M24
T 25	9 48 54	29°15'12	10♐ 2	11° 6	29°31	29°24	17°36	21°40	8°21	0°18	5°43	11°42	11° 9	7°23	n.a.	T 25
W26	9 52 50	0♓14'17	21°55	10°53	0♈43	0♒11	17°38	21°44	8°23	0°16	5°44	11°43	11° 6	7°30	n.a.	W26
T 27	9 56 47	1°13'19	3♑53	10°46	1°56	0°58	17°39	21°48	8°26	0°15	5°45	11°44	11° 3	7°37	n.a.	T 27
F 28	10 0 43	2♓12'20	16♑ 1	10°D44	3♈ 8	1♒45	17♊41	21♐52	8♑28	0♍13	5♑46	11♒46	11♒ 0	7♐43	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s11	24s10	1s57	12s 0	2n13	12s41	1s12	24s18	0s57	23n36	0n22	22s46	0n36	24s 1	0s26	12n44	1n32	29s38	5s57	17s30	17s19	26s 3		n.a.
S 2	18 56	20 41	0 51	11 37	2 28	12 13	1 10	24 14	0 58	23 36	0 22	22 47	0 36	24 1	0 26	12 45	1 32	29 38	5 58	17 30	17 20	26 4		n.a.
M 3	18 40	16 11	0n19	11 18	2 41	11 44	1 9	24 10	0 58	23 36	0 22	22 47	0 36	24 0	0 26	12 45	1 32	29 38	5 58	17 30	17 21	26 5		n.a.
T 4	18 25	10 54	1 29	11 2	2 54	11 15	1 7	24 6	0 59	23 36	0 23	22 48	0 36	24 0	0 26	12 46	1 32	29 38	5 58	17 30	17 22	26 6		n.a.
W 5	18 9	5 4	2 36	10 50	3 6	10 46	1 5	24 2	0 59	23 36	0 23	22 48	0 36	24 0	0 26	12 46	1 32	29 38	5 58	17 30	17 23	26 7		n.a.
T 6	17 52	1n 5	3 35	10 42	3 17	10 17	1 3	23 57	1 0	23 35	0 23	22 49	0 36	24 0	0 26	12 47	1 32	29 38	5 58	17 30	17 24	26 8		n.a.
F 7	17 36	7 16	4 24	10 38	3 26	9 47	1 1	23 53	1 0	23 35	0 23	22 49	0 36	24 0	0 26	12 47	1 32	29 38	5 58	17 29	17 24	26 9		n.a.
S 8	17 19	13 12	4 58	10 38	3 34	9 18	0 59	23 47	1 1	23 35	0 23	22 50	0 36	24 0	0 26	12 48	1 32	29 39	5 59	17 29	17 25	26 10		n.a.
S 9	17 2	18 34	5 15	10 42	3 41	8 48	0 57	23 42	1 1	23 35	0 23	22 50	0 36	23 59	0 26	12 49	1 33	29 39	5 59	17 30	17 26	26 11		n.a.
M10	16 44	22 59	5 14	10 50	3 45	8 17	0 55	23 36	1 1	23 35	0 23	22 50	0 36	23 59	0 26	12 49	1 33	29 39	5 59	17 30	17 27	26 12		n.a.
T 11	16 27	26 4	4 53	11 1	3 48	7 47	0 52	23 30	1 2	23 35	0 23	22 51	0 36	23 59	0 26	12 50	1 33	29 39	5 59	17 29	17 28	26 13		n.a.
W12	16 9	27 30	4 15	11 16	3 49	7 16	0 50	23 24	1 2	23 35	0 23	22 51	0 36	23 59	0 26	12 50	1 33	29 39	5 59	17 29	17 29	26 14		n.a.
T 13	15 50	27 4	3 19	11 33	3 48	6 45	0 48	23 18	1 3	23 35	0 23	22 52	0 36	23 59	0 26	12 51	1 33	29 39	5 59	17 29	17 30	26 14		n.a.
F 14	15 32	24 49	2 12	11 53	3 45	6 14	0 45	23 11	1 3	23 35	0 23	22 52	0 36	23 59	0 26	12 52	1 33	29 39	6 0	17 29	17 31	26 15		n.a.
S 15	15 13	21 0	0 56	12 14	3 40	5 43	0 43	23 4	1 4	23 35	0 23	22 52	0 36	23 59	0 26	12 52	1 33	29 39	6 0	17 29	17 32	26 16		n.a.
S 16	14 54	16 1	0s21	12 37	3 33	5 12	0 40	22 57	1 4	23 35	0 23	22 53	0 36	23 58	0 26	12 53	1 33	29 39	6 0	17 29	17 33	26 17		n.a.
M17	14 35	10 16	1 37	13 1	3 24	4 41	0 38	22 49	1 5	23 35	0 23	22 53	0 36	23 58	0 26	12 53	1 33	29 40	6 0	17 29	17 33	26 18		n.a.
T 18	14 16	4 11	2 45	13 26	3 15	4 9	0 35	22 41	1 5	23 35	0 24	22 53	0 36	23 58	0 26	12 54	1 33	29 40	6 0	17 29	17 34	26 19		n.a.
W19	13 56	1s56	3 42	13 51	3 3	3 37	0 33	22 33	1 5	23 35	0 24	22 54	0 36	23 58	0 26	12 55	1 33	29 40	6 1	17 30	17 35	26 19		n.a.
T 20	13 36	7 48	4 27	14 15	2 51	3 6	0 30	22 25	1 6	23 35	0 24	22 54	0 36	23 58	0 26	12 55	1 33	29 40	6 1	17 30	17 36	26 20		n.a.
F 21	13 16	13 12	4 57	14 39	2 38	2 34	0 27	22 17	1 6	23 35	0 24	22 54	0 36	23 58	0 26	12 56	1 33	29 40	6 1	17 31	17 37	26 21		n.a.
S 22	12 56	17 59	5 13	15 3	2 24	2 2	0 25	22 8	1 7	23 35	0 24	22 55	0 36	23 57	0 26	12 56	1 33	29 40	6 1	17 31	17 38	26 22		n.a.
S 23	12 35	21 56	5 15	15 25	2 10	1 30	0 22	21 59	1 7	23 35	0 24	22 55	0 35	23 57	0 26	12 57	1 33	29 40	6 1	17 31	17 39	26 23		n.a.
M24	12 15	24 57	5 3	15 46	1 55	0 58	0 19	21 49	1 7	23 35	0 24	22 55	0 35	23 57	0 26	12 58	1 33	29 41	6 2	17 32	17 40	26 23		n.a.
T 25	11 54	26 51	4 38	16 6	1 40	0 27	0 16	21 40	1 8	23 35	0 24	22 55	0 35	23 57	0 26	12 58	1 33	29 41	6 2	17 31	17 41	26 24		n.a.
W26	11 33	27 33	4 1	16 24	1 25	0n 5	0 13	21 30	1 8	23 36	0 24	22 56	0 35	23 57	0 26	12 59	1 33	29 41	6 2	17 31	17 41	26 25		n.a.
T 27	11 12	26 57	3 14	16 40	1 10	0 37	0 10	21 20	1 8	23 36	0 24	22 56	0 35	23 57	0 26	12 59	1 33	29 41	6 2	17 31	17 42	26 26		n.a.
F 28	10s50	25s 5	2s17	16s55	0n55	1n 9	0s 7	21s10	1s 9	23n36	0n24	22s56	0n35	23s57	0s26	13n 0	1n33	29s41	6s 2	17s30	17s43	26s27		n.a.

Julian Day Number = 1469066.5, Delta T = 05h32m36s
Ecliptic obliquity = 23°46'48, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'56, Lahiri = -13°29'56 Julian Calendar 1 Feb. 691 BCE == Greg. Calendar 25 Jan. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

MARCH 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 4 40	3♓11'19	28♉22	10♒48	4♈21	2♒31	17♊42	21♐56	8♉31	0°R11	5♉47	11♒47	10♒56	7♐50	n.a.	S 1
S 2	10 8 36	4°10'15	10♒59	10°57	5°33	3°18	17°44	21°59	8°33	0♍10	5°48	11°R47	10°53	7°57	n.a.	S 2
M 3	10 12 33	5° 9'10	23°54	11°12	6°45	4° 5	17°47	22° 3	8°35	0° 8	5°50	11°47	10°50	8° 4	n.a.	M 3
T 4	10 16 29	6° 8'02	7♓ 7	11°31	7°58	4°51	17°49	22° 6	8°38	0° 6	5°51	11°45	10°47	8°10	n.a.	T 4
W 5	10 20 26	7° 6'52	20°38	11°55	9°10	5°38	17°52	22°10	8°40	0° 5	5°52	11°42	10°44	8°17	n.a.	W 5
T 6	10 24 23	8° 5'41	4♈24	12°24	10°22	6°24	17°54	22°13	8°42	0° 3	5°53	11°39	10°40	8°24	n.a.	T 6
F 7	10 28 19	9° 4'26	18°22	12°56	11°34	7°11	17°57	22°16	8°44	0° 1	5°54	11°35	10°37	8°30	n.a.	F 7
S 8	10 32 16	10° 3'10	2♉29	13°33	12°46	7°57	18° 0	22°20	8°46	29♏59	5°55	11°31	10°34	8°37	n.a.	S 8
S 9	10 36 12	11° 1'51	16°41	14°14	13°58	8°44	18° 3	22°23	8°48	29°58	5°56	11°28	10°31	8°44	n.a.	S 9
M10	10 40 9	12° 0'30	0♊54	14°58	15°10	9°30	18° 7	22°26	8°50	29°57	5°57	11°26	10°28	8°50	n.a.	M10
T 11	10 44 5	12°59'07	15° 7	15°46	16°21	10°17	18°11	22°29	8°52	29°55	5°58	11°D26	10°25	8°57	n.a.	T 11
W12	10 48 2	13°57'42	29°16	16°37	17°33	11° 3	18°14	22°31	8°54	29°53	5°59	11°26	10°21	9° 4	n.a.	W12
T 13	10 51 58	14°56'14	13♋20	17°32	18°45	11°49	18°18	22°34	8°56	29°52	5°59	11°28	10°18	9°11	n.a.	T 13
F 14	10 55 55	15°54'43	27°17	18°29	19°56	12°36	18°22	22°37	8°58	29°50	6° 0	11°29	10°15	9°17	n.a.	F 14
S 15	10 59 52	16°53'11	11♌ 7	19°29	21° 7	13°22	18°27	22°39	9° 0	29°49	6° 1	11°R30	10°12	9°24	n.a.	S 15
S 16	11 3 48	17°51'36	24°46	20°32	22°19	14° 8	18°31	22°42	9° 2	29°47	6° 2	11°29	10° 9	9°31	n.a.	S 16
M17	11 7 45	18°49'59	8♍15	21°38	23°30	14°55	18°36	22°44	9° 3	29°46	6° 3	11°26	10° 6	9°37	n.a.	M17
T 18	11 11 41	19°48'20	21°30	22°46	24°41	15°41	18°41	22°46	9° 5	29°44	6° 3	11°22	10° 2	9°44	n.a.	T 18
W19	11 15 38	20°46'39	4♎30	23°57	25°52	16°27	18°45	22°49	9° 7	29°43	6° 4	11°16	9°59	9°51	n.a.	W19
T 20	11 19 34	21°44'56	17°16	25°10	27° 3	17°13	18°51	22°51	9° 8	29°41	6° 5	11° 9	9°56	9°58	n.a.	T 20
F 21	11 23 31	22°43'11	29°46	26°25	28°14	17°59	18°56	22°53	9°10	29°40	6° 5	11° 2	9°53	10° 4	n.a.	F 21
S 22	11 27 27	23°41'25	12♏ 2	27°43	29°25	18°45	19° 1	22°55	9°11	29°38	6° 6	10°55	9°50	10°11	n.a.	S 22
S 23	11 31 24	24°39'37	24° 6	29° 3	0♉36	19°31	19° 7	22°56	9°13	29°37	6° 7	10°49	9°46	10°18	n.a.	S 23
M24	11 35 20	25°37'47	6♐ 3	0♓25	1°47	20°17	19°13	22°58	9°14	29°35	6° 7	10°45	9°43	10°24	n.a.	M24
T 25	11 39 17	26°35'56	17°54	1°48	2°57	21° 3	19°18	23° 0	9°15	29°34	6° 8	10°43	9°40	10°31	n.a.	T 25
W26	11 43 14	27°34'03	29°47	3°14	4° 8	21°49	19°24	23° 1	9°17	29°32	6° 8	10°D43	9°37	10°38	n.a.	W26
T 27	11 47 10	28°32'09	11♑44	4°42	5°18	22°35	19°31	23° 3	9°18	29°31	6° 9	10°44	9°34	10°44	n.a.	T 27
F 28	11 51 7	29°30'13	23°53	6°12	6°28	23°21	19°37	23° 4	9°19	29°29	6° 9	10°45	9°31	10°51	n.a.	F 28
S 29	11 55 3	0♈28'16	6♒16	7°44	7°38	24° 7	19°43	23° 5	9°20	29°28	6°10	10°R46	9°27	10°58	n.a.	S 29
S 30	11 59 0	1°26'17	18°59	9°18	8°49	24°53	19°50	23° 6	9°22	29°27	6°10	10°46	9°24	11° 5	n.a.	S 30
M31	12 2 56	2♈24'16	2♓ 5	10♓54	9♉59	25♒39	19♊57	23♐ 7	9♉23	29♏25	6♉11	10♒44	9♒21	11♐11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s29	21s59	1s13	17s 7	0n41	1n41	0s 4	21s 0	1s 9	23n36	0n24	22s57	0n35	23s57	0s26	13n 1	1n33	29s41	6s 3	17s30	17s44	26s27		n.a.
S 2	10 7	17 48	0 4	17 18	0 26	2 13	0 1	20 49	1 9	23 36	0 24	22 57	0 35	23 56	0 26	13 1	1 33	29 41	6 3	17 30	17 45	26 28		n.a.
M 3	9 45	12 42	1n 6	17 28	0 13	2 45	0n 2	20 38	1 10	23 37	0 24	22 57	0 35	23 56	0 26	13 2	1 33	29 42	6 3	17 30	17 46	26 29		n.a.
T 4	9 23	6 56	2 15	17 35	0s 1	3 17	0 5	20 27	1 10	23 37	0 24	22 57	0 35	23 56	0 27	13 2	1 33	29 42	6 3	17 30	17 47	26 29		n.a.
W 5	9 1	0 45	3 17	17 41	0 14	3 48	0 8	20 16	1 10	23 37	0 24	22 57	0 35	23 56	0 27	13 3	1 33	29 42	6 3	17 31	17 48	26 30		n.a.
T 6	8 39	5n35	4 9	17 45	0 26	4 20	0 11	20 5	1 11	23 38	0 24	22 58	0 35	23 56	0 27	13 4	1 33	29 42	6 4	17 32	17 48	26 31		n.a.
F 7	8 17	11 43	4 48	17 47	0 38	4 51	0 14	19 53	1 11	23 38	0 24	22 58	0 35	23 56	0 27	13 4	1 33	29 42	6 4	17 33	17 49	26 32		n.a.
S 8	7 54	17 20	5 9	17 47	0 49	5 23	0 17	19 41	1 11	23 38	0 24	22 58	0 35	23 56	0 27	13 5	1 33	29 42	6 4	17 34	17 50	26 32		n.a.
S 9	7 32	22 1	5 11	17 45	1 0	5 54	0 21	19 29	1 11	23 39	0 25	22 58	0 35	23 56	0 27	13 5	1 33	29 43	6 4	17 35	17 51	26 33		n.a.
M10	7 9	25 26	4 55	17 42	1 10	6 25	0 24	19 17	1 12	23 39	0 25	22 59	0 35	23 55	0 27	13 6	1 33	29 43	6 5	17 36	17 52	26 34		n.a.
T 11	6 47	27 15	4 20	17 36	1 20	6 56	0 27	19 4	1 12	23 39	0 25	22 59	0 35	23 55	0 27	13 6	1 33	29 43	6 5	17 36	17 53	26 34		n.a.
W12	6 24	27 17	3 30	17 29	1 29	7 27	0 30	18 52	1 12	23 40	0 25	22 59	0 35	23 55	0 27	13 7	1 33	29 43	6 5	17 36	17 54	26 35		n.a.
T 13	6 1	25 33	2 28	17 21	1 38	7 57	0 33	18 39	1 13	23 40	0 25	22 59	0 35	23 55	0 27	13 8	1 33	29 43	6 5	17 35	17 55	26 36		n.a.
F 14	5 38	22 15	1 17	17 10	1 45	8 28	0 37	18 26	1 13	23 40	0 25	22 59	0 35	23 55	0 27	13 8	1 33	29 44	6 5	17 35	17 55	26 36		n.a.
S 15	5 15	17 43	0 2	16 58	1 53	8 58	0 40	18 13	1 13	23 41	0 25	22 59	0 35	23 55	0 27	13 9	1 33	29 44	6 6	17 35	17 56	26 37		n.a.
S 16	4 52	12 19	1s12	16 44	2 0	9 28	0 43	17 59	1 13	23 41	0 25	23 0	0 35	23 55	0 27	13 9	1 33	29 44	6 6	17 35	17 57	26 38		n.a.
M17	4 29	6 26	2 20	16 28	2 6	9 58	0 46	17 46	1 13	23 42	0 25	23 0	0 35	23 55	0 27	13 10	1 33	29 44	6 6	17 36	17 58	26 38		n.a.
T 18	4 6	0 22	3 20	16 11	2 11	10 28	0 49	17 32	1 14	23 42	0 25	23 0	0 35	23 55	0 27	13 10	1 33	29 44	6 6	17 37	17 59	26 39		n.a.
W19	3 42	5s36	4 8	15 52	2 16	10 57	0 53	17 18	1 14	23 43	0 25	23 0	0 35	23 55	0 27	13 11	1 33	29 45	6 7	17 39	18 0	26 39		n.a.
T 20	3 19	11 13	4 43	15 31	2 21	11 26	0 56	17 4	1 14	23 43	0 25	23 0	0 35	23 55	0 27	13 11	1 33	29 45	6 7	17 40	18 1	26 40		n.a.
F 21	2 56	16 15	5 3	15 9	2 24	11 55	0 59	16 50	1 14	23 44	0 25	23 0	0 35	23 54	0 27	13 12	1 33	29 45	6 7	17 42	18 1	26 41		n.a.
S 22	2 32	20 33	5 9	14 45	2 28	12 24	1 2	16 36	1 14	23 44	0 25	23 0	0 35	23 54	0 27	13 12	1 33	29 45	6 7	17 44	18 2	26 41		n.a.
S 23	2 9	23 55	5 1	14 19	2 30	12 52	1 5	16 21	1 15	23 45	0 25	23 1	0 35	23 54	0 27	13 13	1 33	29 45	6 8	17 46	18 3	26 42		n.a.
M24	1 46	26 12	4 40	13 51	2 32	13 20	1 9	16 7	1 15	23 45	0 25	23 1	0 35	23 54	0 27	13 13	1 33	29 46	6 8	17 47	18 4	26 42		n.a.
T 25	1 22	27 19	4 7	13 22	2 34	13 47	1 12	15 52	1 15	23 46	0 25	23 1	0 35	23 54	0 27	13 14	1 33	29 46	6 8	17 48	18 5	26 43		n.a.
W26	0 59	27 10	3 23	12 52	2 35	14 15	1 15	15 37	1 15	23 46	0 25	23 1	0 35	23 54	0 27	13 14	1 33	29 46	6 8	17 48	18 6	26 43		n.a.
T 27	0 35	25 45	2 30	12 19	2 35	14 42	1 18	15 22	1 15	23 47	0 25	23 1	0 35	23 54	0 27	13 15	1 33	29 46	6 9	17 48	18 7	26 44		n.a.
F 28	0 12	23 7	1 30	11 46	2 35	15 8	1 21	15 7	1 15	23 47	0 25	23 1	0 35	23 54	0 27	13 15	1 33	29 46	6 9	17 47	18 8	26 44		n.a.
S 29	0n11	19 22	0 24	11 10	2 34	15 35	1 24	14 51	1 16	23 48	0 25	23 1	0 35	23 54	0 27	13 16	1 33	29 47	6 9	17 47	18 8	26 45		n.a.
S 30	0 35	14 39	0n44	10 33	2 33	16 1	1 27	14 36	1 16	23 48	0 25	23 1	0 35	23 54	0 27	13 16	1 33	29 47	6 9	17 47	18 9	26 46		n.a.
M31	0n58	9s 9	1n52	9s54	2s31	16n26	1n30	14s20	1s16	23n49	0n26	23s 1	0n35	23s54	0s27	13n17	1n33	29s47	6s10	17s48	18s10	26s46		n.a.

Julian Day Number = 1469094.5, Delta T = 05h32m34s
Ecliptic obliquity = 23°46'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'52, Lahiri = -13°29'52 Julian Calendar 1 March 691 BCE == Greg. Calendar 22 Feb. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

APRIL 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 6 53	3♈22'14	15♓34	12♓32	11♉ 9	26♒24	20♊ 4	23♐ 8	9♑24	29°R24	6♑11	10°R39	9♒18	11♐18	n.a.	T 1
W 2	12 10 49	4°20'10	29°26	14°11	12°18	27°10	20°11	23° 9	9°25	29♌23	6°11	10♒33	9°15	11°25	n.a.	W 2
T 3	12 14 46	5°18'05	13♈37	15°53	13°28	27°56	20°18	23°10	9°26	29°22	6°12	10°25	9°12	11°31	n.a.	T 3
F 4	12 18 43	6°15'58	28° 3	17°36	14°38	28°41	20°25	23°10	9°26	29°20	6°12	10°16	9° 8	11°38	n.a.	F 4
S 5	12 22 39	7°13'49	12♉37	19°22	15°47	29°27	20°32	23°11	9°27	29°19	6°12	10° 8	9° 5	11°45	n.a.	S 5
S 6	12 26 36	8°11'38	27°13	21° 9	16°57	0♓12	20°40	23°11	9°28	29°18	6°13	10° 0	9° 2	11°51	n.a.	S 6
M 7	12 30 32	9° 9'26	11♊43	22°58	18° 6	0°58	20°48	23°12	9°29	29°17	6°13	9°55	8°59	11°58	n.a.	M 7
T 8	12 34 29	10° 7'12	26° 3	24°49	19°15	1°43	20°56	23°12	9°30	29°15	6°13	9°53	8°56	12° 5	n.a.	T 8
W 9	12 38 25	11° 4'56	10♋11	26°42	20°24	2°29	21° 3	23°12	9°30	29°14	6°13	9°D52	8°52	12°12	n.a.	W 9
T 10	12 42 22	12° 2'39	24° 6	28°37	21°33	3°14	21°12	23°R12	9°31	29°13	6°13	9°52	8°49	12°18	n.a.	T 10
F 11	12 46 18	13° 0'19	7♌47	0♈34	22°42	3°59	21°20	23°12	9°31	29°12	6°13	9°R53	8°46	12°25	n.a.	F 11
S 12	12 50 15	13°57'58	21°16	2°33	23°50	4°44	21°28	23°12	9°32	29°11	6°13	9°52	8°43	12°32	n.a.	S 12
S 13	12 54 12	14°55'35	4♍33	4°33	24°59	5°29	21°36	23°12	9°32	29°10	6°14	9°50	8°40	12°38	n.a.	S 13
M14	12 58 8	15°53'10	17°38	6°35	26° 7	6°15	21°45	23°12	9°33	29° 9	6°R14	9°45	8°37	12°45	n.a.	M14
T 15	13 2 5	16°50'44	0♎32	8°39	27°16	7° 0	21°54	23°11	9°33	29° 8	6°14	9°37	8°33	12°52	n.a.	T 15
W16	13 6 1	17°48'16	13°14	10°45	28°24	7°45	22° 2	23°11	9°33	29° 7	6°14	9°27	8°30	12°58	n.a.	W16
T 17	13 9 58	18°45'47	25°46	12°52	29°32	8°30	22°11	23°10	9°34	29° 6	6°13	9°15	8°27	13° 5	n.a.	T 17
F 18	13 13 54	19°43'17	8♏ 6	15° 0	0♊40	9°15	22°20	23° 9	9°34	29° 5	6°13	9° 3	8°24	13°12	n.a.	F 18
S 19	13 17 51	20°40'46	20°15	17° 9	1°47	9°59	22°29	23° 8	9°34	29° 4	6°13	8°51	8°21	13°19	n.a.	S 19
S 20	13 21 47	21°38'14	2♐16	19°19	2°55	10°44	22°38	23° 8	9°34	29° 3	6°13	8°41	8°17	13°25	n.a.	S 20
M21	13 25 44	22°35'41	14° 9	21°30	4° 2	11°29	22°48	23° 7	9°34	29° 3	6°13	8°33	8°14	13°32	n.a.	M21
T 22	13 29 41	23°33'06	26° 0	23°41	5°10	12°14	22°57	23° 5	9°R34	29° 2	6°13	8°27	8°11	13°39	n.a.	T 22
W23	13 33 37	24°30'31	7♑51	25°53	6°17	12°58	23° 7	23° 4	9°34	29° 1	6°13	8°24	8° 8	13°45	n.a.	W23
T 24	13 37 34	25°27'55	19°47	28° 4	7°24	13°43	23°16	23° 3	9°34	29° 0	6°12	8°23	8° 5	13°52	n.a.	T 24
F 25	13 41 30	26°25'18	1♒53	0♉15	8°31	14°28	23°26	23° 2	9°34	28°59	6°12	8°23	8° 2	13°59	n.a.	F 25
S 26	13 45 27	27°22'41	14°16	2°26	9°37	15°12	23°36	23° 0	9°34	28°59	6°12	8°23	7°58	14° 5	n.a.	S 26
S 27	13 49 23	28°20'02	26°59	4°36	10°44	15°56	23°46	22°59	9°33	28°58	6°11	8°22	7°55	14°12	n.a.	S 27
M28	13 53 20	29°17'23	10♓ 7	6°44	11°50	16°41	23°56	22°57	9°33	28°57	6°11	8°19	7°52	14°19	n.a.	M28
T 29	13 57 16	0♉14'43	23°43	8°51	12°56	17°25	24° 6	22°55	9°33	28°57	6°11	8°13	7°49	14°26	n.a.	T 29
W30	14 1 13	1♉12'02	7♈46	10♉57	14♊ 2	18♓ 9	24♊16	22♐53	9♑32	28♌56	6♑10	8♒ 5	7♒46	14♐32	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n22	3s 5	2n56	9s14	2s29	16n51	1n33	14s 5	1s16	23n50	0n26	23s 1	0n35	23s54	0s27	13n17	1n33	29s47	6s10	17s49	18s11	26s47		n.a.
W 2	1 45	3n17	3 51	8 33	2 26	17 16	1 36	13 49	1 16	23 50	0 26	23 1	0 35	23 54	0 27	13 18	1 33	29 48	6 10	17 51	18 12	26 47		n.a.
T 3	2 8	9 37	4 33	7 49	2 22	17 40	1 39	13 33	1 16	23 51	0 26	23 1	0 35	23 54	0 27	13 18	1 33	29 48	6 10	17 53	18 13	26 48		n.a.
F 4	2 31	15 33	4 58	7 5	2 18	18 4	1 42	13 17	1 16	23 51	0 26	23 2	0 35	23 54	0 27	13 19	1 33	29 48	6 11	17 55	18 14	26 48		n.a.
S 5	2 55	20 40	5 5	6 19	2 13	18 28	1 44	13 1	1 16	23 52	0 26	23 2	0 35	23 54	0 27	13 19	1 33	29 48	6 11	17 57	18 14	26 49		n.a.
S 6	3 18	24 32	4 51	5 31	2 8	18 51	1 47	12 45	1 16	23 52	0 26	23 2	0 35	23 54	0 27	13 19	1 33	29 48	6 11	17 59	18 15	26 49		n.a.
M 7	3 41	26 48	4 20	4 42	2 2	19 13	1 50	12 29	1 16	23 53	0 26	23 2	0 34	23 54	0 27	13 20	1 32	29 49	6 11	18 1	18 16	26 49		n.a.
T 8	4 4	27 15	3 32	3 52	1 56	19 35	1 52	12 12	1 16	23 54	0 26	23 2	0 34	23 54	0 28	13 20	1 32	29 49	6 11	18 2	18 17	26 50		n.a.
W 9	4 27	25 54	2 32	3 0	1 49	19 57	1 55	11 56	1 17	23 54	0 26	23 2	0 34	23 54	0 28	13 21	1 32	29 49	6 12	18 2	18 18	26 50		n.a.
T 10	4 50	22 58	1 23	2 7	1 42	20 18	1 58	11 39	1 17	23 55	0 26	23 2	0 34	23 54	0 28	13 21	1 32	29 49	6 12	18 2	18 19	26 51		n.a.
F 11	5 12	18 46	0 11	1 13	1 34	20 38	2 0	11 22	1 17	23 55	0 26	23 2	0 34	23 54	0 28	13 21	1 32	29 50	6 12	18 2	18 19	26 51		n.a.
S 12	5 35	13 40	1s 0	0 17	1 26	20 58	2 2	11 6	1 17	23 56	0 26	23 2	0 34	23 54	0 28	13 22	1 32	29 50	6 12	18 2	18 20	26 52		n.a.
S 13	5 58	8 0	2 7	0n39	1 18	21 18	2 5	10 49	1 17	23 57	0 26	23 2	0 34	23 54	0 28	13 22	1 32	29 50	6 13	18 2	18 21	26 52		n.a.
M14	6 20	2 6	3 6	1 36	1 9	21 37	2 7	10 32	1 17	23 57	0 26	23 2	0 34	23 54	0 28	13 22	1 32	29 50	6 13	18 4	18 22	26 52		n.a.
T 15	6 43	3s48	3 55	2 34	0 59	21 55	2 9	10 15	1 17	23 58	0 26	23 2	0 34	23 54	0 28	13 23	1 32	29 51	6 13	18 6	18 23	26 53		n.a.
W16	7 5	9 27	4 31	3 33	0 49	22 13	2 12	9 58	1 17	23 58	0 26	23 2	0 34	23 54	0 28	13 23	1 32	29 51	6 13	18 9	18 24	26 53		n.a.
T 17	7 27	14 38	4 53	4 33	0 39	22 31	2 14	9 41	1 17	23 59	0 26	23 2	0 34	23 54	0 28	13 23	1 32	29 51	6 14	18 12	18 24	26 54		n.a.
F 18	7 49	19 9	5 1	5 32	0 29	22 47	2 16	9 24	1 17	24 0	0 26	23 2	0 34	23 54	0 28	13 24	1 32	29 51	6 14	18 15	18 25	26 54		n.a.
S 19	8 11	22 48	4 56	6 32	0 19	23 3	2 18	9 7	1 17	24 0	0 26	23 2	0 34	23 54	0 28	13 24	1 32	29 52	6 14	18 18	18 26	26 54		n.a.
S 20	8 33	25 25	4 37	7 32	0 8	23 19	2 19	8 49	1 17	24 1	0 26	23 2	0 34	23 54	0 28	13 24	1 32	29 52	6 14	18 21	18 27	26 55		n.a.
M21	8 55	26 54	4 6	8 32	0n 2	23 34	2 21	8 32	1 16	24 1	0 26	23 2	0 34	23 54	0 28	13 24	1 32	29 52	6 15	18 23	18 28	26 55		n.a.
T 22	9 16	27 8	3 25	9 31	0 13	23 48	2 23	8 15	1 16	24 2	0 26	23 2	0 34	23 54	0 28	13 25	1 32	29 52	6 15	18 24	18 29	26 55		n.a.
W23	9 38	26 7	2 34	10 30	0 23	24 2	2 25	7 57	1 16	24 2	0 26	23 2	0 34	23 54	0 28	13 25	1 32	29 53	6 15	18 25	18 30	26 56		n.a.
T 24	9 59	23 54	1 37	11 28	0 34	24 15	2 26	7 40	1 16	24 3	0 27	23 2	0 34	23 54	0 28	13 25	1 32	29 53	6 15	18 26	18 30	26 56		n.a.
F 25	10 20	20 35	0 34	12 24	0 44	24 28	2 28	7 22	1 16	24 3	0 27	23 2	0 34	23 54	0 28	13 25	1 32	29 53	6 16	18 26	18 31	26 56		n.a.
S 26	10 41	16 17	0n31	13 19	0 53	24 40	2 29	7 5	1 16	24 4	0 27	23 2	0 34	23 54	0 28	13 26	1 32	29 53	6 16	18 26	18 32	26 57		n.a.
S 27	11 2	11 11	1 37	14 13	1 3	24 51	2 30	6 47	1 16	24 4	0 27	23 2	0 34	23 54	0 28	13 26	1 32	29 54	6 16	18 26	18 33	26 57		n.a.
M28	11 23	5 26	2 39	15 5	1 12	25 1	2 31	6 30	1 16	24 5	0 27	23 2	0 34	23 54	0 28	13 26	1 32	29 54	6 16	18 27	18 34	26 57		n.a.
T 29	11 43	0n45	3 35	15 55	1 20	25 11	2 32	6 12	1 16	24 6	0 27	23 2	0 34	23 54	0 28	13 26	1 32	29 54	6 17	18 28	18 35	26 58		n.a.
W30	12n 3	7n 5	4n20	16n43	1n28	25n21	2n33	5s54	1s16	24n 6	0n27	23s 1	0n34	23s54	0s28	13n26	1n32	29s54	6s17	18s30	18s35	26s58		n.a.

Julian Day Number = 1469125.5, Delta T = 05h32m33s
Ecliptic obliquity = 23°46'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'48, Lahiri = -13°29'48 Julian Calendar 1 Apr. 691 BCE == Greg. Calendar 25 March 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

MAY 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 5 10	2♉ 9'21	22♈14	13♉ 0	15♊ 8	18♓54	24♊26	22°R51	9°R32	28°R56	6°R10	7°R55	7♒43	14♐39	n.a.	T 1
F 2	14 9 6	3° 6'39	7♉ 1	15° 2	16°13	19°38	24°37	22♐49	9♑31	28♌55	6♑10	7♒44	7°39	14°46	n.a.	F 2
S 3	14 13 3	4° 3'56	21°58	17° 2	17°19	20°22	24°47	22°47	9°31	28°55	6° 9	7°33	7°36	14°52	n.a.	S 3
S 4	14 16 59	5° 1'12	6♊57	19° 0	18°24	21° 6	24°58	22°45	9°30	28°54	6° 9	7°24	7°33	14°59	n.a.	S 4
M 5	14 20 56	5°58'27	21°48	20°55	19°29	21°50	25° 8	22°43	9°30	28°54	6° 8	7°17	7°30	15° 6	n.a.	M 5
T 6	14 24 52	6°55'41	6♋24	22°48	20°34	22°34	25°19	22°41	9°29	28°53	6° 7	7°12	7°27	15°12	n.a.	T 6
W 7	14 28 49	7°52'55	20°41	24°39	21°39	23°18	25°30	22°38	9°28	28°53	6° 7	7°11	7°23	15°19	n.a.	W 7
T 8	14 32 45	8°50'07	4♌38	26°27	22°43	24° 1	25°40	22°36	9°28	28°53	6° 6	7°10	7°20	15°26	n.a.	T 8
F 9	14 36 42	9°47'18	18°15	28°13	23°47	24°45	25°51	22°33	9°27	28°52	6° 6	7°10	7°17	15°32	n.a.	F 9
S 10	14 40 39	10°44'28	1♍33	29°56	24°51	25°29	26° 2	22°30	9°26	28°52	6° 5	7° 9	7°14	15°39	n.a.	S 10
S 11	14 44 35	11°41'38	14°35	1♎37	25°55	26°12	26°13	22°28	9°25	28°52	6° 4	7° 6	7°11	15°46	n.a.	S 11
M12	14 48 32	12°38'46	27°24	3°15	26°58	26°56	26°25	22°25	9°24	28°52	6° 4	7° 0	7° 8	15°53	n.a.	M12
T 13	14 52 28	13°35'54	10♏ 0	4°51	28° 1	27°39	26°36	22°22	9°23	28°52	6° 3	6°52	7° 4	15°59	n.a.	T 13
W14	14 56 25	14°33'01	22°26	6°24	29° 4	28°23	26°47	22°19	9°22	28°51	6° 2	6°41	7° 1	16° 6	n.a.	W14
T 15	15 0 21	15°30'08	4♏43	7°55	0♋ 7	29° 6	26°58	22°16	9°21	28°51	6° 2	6°28	6°58	16°13	n.a.	T 15
F 16	15 4 18	16°27'14	16°52	9°23	1° 9	29°49	27°10	22°13	9°20	28°51	6° 1	6°15	6°55	16°19	n.a.	F 16
S 17	15 8 14	17°24'21	28°53	10°48	2°11	0♈32	27°21	22°10	9°19	28°51	6° 0	6° 2	6°52	16°26	n.a.	S 17
S 18	15 12 11	18°21'26	10♐48	12°11	3°13	1°16	27°33	22° 6	9°17	28°D51	5°59	5°51	6°49	16°33	n.a.	S 18
M19	15 16 8	19°18'32	22°39	13°31	4°14	1°59	27°45	22° 3	9°16	28°51	5°58	5°42	6°45	16°39	n.a.	M19
T 20	15 20 4	20°15'37	4♑28	14°48	5°15	2°42	27°56	22° 0	9°15	28°51	5°58	5°36	6°42	16°46	n.a.	T 20
W21	15 24 1	21°12'43	16°18	16° 3	6°16	3°25	28° 8	21°56	9°14	28°51	5°57	5°32	6°39	16°53	n.a.	W21
T 22	15 27 57	22° 9'48	28°14	17°15	7°17	4° 7	28°20	21°53	9°12	28°51	5°56	5°30	6°36	16°59	n.a.	T 22
F 23	15 31 54	23° 6'53	10♒20	18°23	8°17	4°50	28°32	21°49	9°11	28°51	5°55	5°D30	6°33	17° 6	n.a.	F 23
S 24	15 35 50	24° 3'59	22°41	19°29	9°17	5°33	28°43	21°46	9° 9	28°52	5°54	5°R30	6°29	17°13	n.a.	S 24
S 25	15 39 47	25° 1'05	5♓21	20°32	10°16	6°15	28°55	21°42	9° 8	28°52	5°53	5°30	6°26	17°20	n.a.	S 25
M26	15 43 44	25°58'10	18°27	21°32	11°15	6°58	29° 7	21°38	9° 6	28°52	5°52	5°28	6°23	17°26	n.a.	M26
T 27	15 47 40	26°55'16	2♈ 1	22°28	12°14	7°41	29°20	21°34	9° 5	28°52	5°51	5°24	6°20	17°33	n.a.	T 27
W28	15 51 37	27°52'23	16° 4	23°21	13°12	8°23	29°32	21°31	9° 3	28°53	5°50	5°17	6°17	17°40	n.a.	W28
T 29	15 55 33	28°49'29	0♉35	24°11	14°10	9° 5	29°44	21°27	9° 2	28°53	5°49	5° 9	6°14	17°46	n.a.	T 29
F 30	15 59 30	29°46'36	15°29	24°57	15° 8	9°48	29°56	21°23	9° 0	28°53	5°48	5° 0	6°10	17°53	n.a.	F 30
S 31	16 3 26	0♊43'43	0♊38	25♊40	16♋ 5	10♈30	0♋ 8	21♐19	8♑58	28♌54	5♑47	4♒50	6♒ 7	18♐ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
T 1	12n24	13n14	4n49	17n29	1n35	25n29	2n34	5s37	1s16	24n 7	0n27	23s 1	0n34	23s54	0s28	13n26	1n32	29s55	6s17	18s33	18s36	26s58		n.a.
F 2	12 43	18 46	5 0	18 12	1 42	25 37	2 35	5 19	1 15	24 7	0 27	23 1	0 34	23 54	0 28	13 27	1 32	29 55	6 17	18 36	18 37	26 58		n.a.
S 3	13 3	23 12	4 51	18 53	1 48	25 45	2 36	5 1	1 15	24 7	0 27	23 1	0 34	23 54	0 28	13 27	1 32	29 55	6 18	18 39	18 38	26 59		n.a.
S 4	13 23	26 5	4 22	19 32	1 53	25 51	2 36	4 43	1 15	24 8	0 27	23 1	0 34	23 54	0 28	13 27	1 32	29 55	6 18	18 41	18 39	26 59		n.a.
M 5	13 42	27 6	3 35	20 8	1 58	25 57	2 37	4 26	1 15	24 8	0 27	23 1	0 34	23 54	0 28	13 27	1 32	29 56	6 18	18 43	18 39	26 59		n.a.
T 6	14 1	26 12	2 35	20 42	2 2	26 3	2 37	4 8	1 15	24 9	0 27	23 1	0 34	23 54	0 28	13 27	1 32	29 56	6 18	18 44	18 40	26 59		n.a.
W 7	14 20	23 35	1 26	21 13	2 5	26 7	2 37	3 50	1 15	24 9	0 27	23 1	0 33	23 54	0 28	13 27	1 31	29 56	6 18	18 44	18 41	27 0		n.a.
T 8	14 39	19 36	0 13	21 42	2 8	26 11	2 37	3 33	1 14	24 10	0 27	23 1	0 33	23 55	0 28	13 27	1 31	29 56	6 19	18 45	18 42	27 0		n.a.
F 9	14 57	14 39	0s58	22 9	2 10	26 15	2 37	3 15	1 14	24 10	0 27	23 1	0 33	23 55	0 28	13 27	1 31	29 57	6 19	18 45	18 43	27 0		n.a.
S 10	15 15	9 8	2 5	22 33	2 11	26 17	2 37	2 57	1 14	24 10	0 27	23 1	0 33	23 55	0 28	13 27	1 31	29 57	6 19	18 45	18 44	27 0		n.a.
S 11	15 33	3 20	3 4	22 55	2 11	26 19	2 37	2 39	1 14	24 11	0 27	23 0	0 33	23 55	0 29	13 27	1 31	29 57	6 19	18 46	18 44	27 1		n.a.
M12	15 51	2s29	3 52	23 15	2 11	26 21	2 36	2 22	1 14	24 11	0 27	23 0	0 33	23 55	0 29	13 27	1 31	29 57	6 20	18 47	18 45	27 1		n.a.
T 13	16 9	8 7	4 28	23 32	2 10	26 22	2 36	2 4	1 13	24 12	0 27	23 0	0 33	23 55	0 29	13 28	1 31	29 58	6 20	18 49	18 46	27 1		n.a.
W14	16 26	13 20	4 51	23 47	2 8	26 22	2 35	1 46	1 13	24 12	0 27	23 0	0 33	23 55	0 29	13 28	1 31	29 58	6 20	18 52	18 47	27 1		n.a.
T 15	16 43	17 58	5 0	24 0	2 6	26 21	2 34	1 29	1 13	24 12	0 28	23 0	0 33	23 55	0 29	13 28	1 31	29 58	6 20	18 55	18 48	27 1		n.a.
F 16	17 0	21 49	4 55	24 11	2 2	26 20	2 33	1 11	1 13	24 13	0 28	23 0	0 33	23 55	0 29	13 28	1 31	29 58	6 20	18 59	18 48	27 1		n.a.
S 17	17 16	24 42	4 37	24 20	1 59	26 18	2 32	0 53	1 12	24 13	0 28	23 0	0 33	23 55	0 29	13 27	1 31	29 59	6 21	19 2	18 49	27 2		n.a.
S 18	17 32	26 27	4 7	24 28	1 54	26 15	2 31	0 36	1 12	24 13	0 28	23 0	0 33	23 56	0 29	13 27	1 31	29 59	6 21	19 5	18 50	27 2		n.a.
M19	17 48	27 0	3 26	24 33	1 49	26 12	2 29	0 18	1 12	24 13	0 28	22 59	0 33	23 56	0 29	13 27	1 31	29 59	6 21	19 7	18 51	27 2		n.a.
T 20	18 4	26 19	2 37	24 36	1 43	26 8	2 28	0 0	1 12	24 14	0 28	22 59	0 33	23 56	0 29	13 27	1 31	29 59	6 21	19 8	18 52	27 2		n.a.
W21	18 19	24 25	1 40	24 38	1 37	26 4	2 26	0n17	1 11	24 14	0 28	22 59	0 33	23 56	0 29	13 27	1 31	30 0	6 21	19 9	18 53	27 2		n.a.
T 22	18 34	21 26	0 39	24 39	1 30	25 59	2 24	0 35	1 11	24 14	0 28	22 59	0 33	23 56	0 29	13 27	1 31	30 0	6 22	19 10	18 53	27 2		n.a.
F 23	18 49	17 29	0n26	24 37	1 22	25 53	2 23	0 52	1 11	24 14	0 28	22 59	0 33	23 56	0 29	13 27	1 31	30 0	6 22	19 10	18 54	27 2		n.a.
S 24	19 3	12 44	1 30	24 35	1 13	25 47	2 20	1 10	1 10	24 14	0 28	22 59	0 33	23 56	0 29	13 27	1 31	30 0	6 22	19 10	18 55	27 2		n.a.
S 25	19 17	7 20	2 32	24 31	1 4	25 40	2 18	1 27	1 10	24 15	0 28	22 58	0 33	23 56	0 29	13 27	1 31	30 1	6 22	19 10	18 56	27 3		n.a.
M26	19 31	1 27	3 27	24 25	0 55	25 33	2 16	1 44	1 10	24 15	0 28	22 58	0 32	23 57	0 29	13 27	1 31	30 1	6 22	19 10	18 57	27 3		n.a.
T 27	19 45	4n41	4 14	24 18	0 45	25 25	2 13	2 2	1 9	24 15	0 28	22 58	0 32	23 57	0 29	13 27	1 31	30 1	6 23	19 11	18 57	27 3		n.a.
W28	19 58	10 48	4 46	24 11	0 34	25 16	2 10	2 19	1 9	24 15	0 28	22 58	0 32	23 57	0 29	13 27	1 31	30 1	6 23	19 13	18 58	27 3		n.a.
T 29	20 11	16 33	5 2	24 2	0 23	25 7	2 7	2 36	1 9	24 15	0 28	22 58	0 32	23 57	0 29	13 26	1 31	30 2	6 23	19 15	18 59	27 3		n.a.
F 30	20 23	21 27	4 58	23 52	0 11	24 58	2 4	2 53	1 8	24 15	0 28	22 58	0 32	23 57	0 29	13 26	1 31	30 2	6 23	19 17	19 0	27 3		n.a.
S 31	20n36	25n 1	4n33	23n41	0s 1	24n48	2n 1	3n10	1s 8	24n15	0n28	22s57	0n32	23s57	0s29	13n26	1n31	30s 2	6s23	19s20	19s 1	27s 3		n.a.

Julian Day Number = 1469155.5, Delta T = 05h32m31s
Ecliptic obliquity = 23°46'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'44, Lahiri = -13°29'44 Julian Calendar 1 May 691 BCE == Greg. Calendar 24 Apr. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

JUNE 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 7 23	1♊40'50	15♊52	26♊18	17♋ 2	11♈12	0♋21	21°R15	8°R57	28♎54	5°R46	4°R42	6♒ 4	18♐ 6	n.a.	S 1
M 2	16 11 19	2°37'58	0♋59	26°53	17°58	11°54	0°33	21♐11	8♑55	28°55	5♑45	4♒36	6° 1	18°13	n.a.	M 2
T 3	16 15 16	3°35'05	15°52	27°24	18°54	12°36	0°45	21° 6	8°53	28°55	5°44	4°33	5°58	18°20	n.a.	T 3
W 4	16 19 13	4°32'13	0♎23	27°50	19°49	13°18	0°58	21° 2	8°51	28°56	5°42	4°D31	5°55	18°26	n.a.	W 4
T 5	16 23 9	5°29'20	14°29	28°12	20°44	14° 0	1°10	20°58	8°49	28°56	5°41	4°32	5°51	18°33	n.a.	T 5
F 6	16 27 6	6°26'27	28°10	28°30	21°38	14°41	1°23	20°54	8°48	28°57	5°40	4°32	5°48	18°40	n.a.	F 6
S 7	16 31 2	7°23'35	11♍28	28°43	22°32	15°23	1°36	20°50	8°46	28°57	5°39	4°R32	5°45	18°47	n.a.	S 7
S 8	16 34 59	8°20'42	24°26	28°51	23°25	16° 5	1°48	20°45	8°44	28°58	5°38	4°31	5°42	18°53	n.a.	S 8
M 9	16 38 55	9°17'49	7♎ 6	28°R55	24°17	16°46	2° 1	20°41	8°42	28°59	5°37	4°28	5°39	19° 0	n.a.	M 9
T 10	16 42 52	10°14'57	19°32	28°54	25° 9	17°27	2°13	20°37	8°40	29° 0	5°35	4°22	5°35	19° 7	n.a.	T 10
W11	16 46 48	11°12'05	1♏46	28°48	26° 0	18° 9	2°26	20°32	8°38	29° 0	5°34	4°15	5°32	19°13	n.a.	W11
T 12	16 50 45	12° 9'13	13°52	28°37	26°51	18°50	2°39	20°28	8°36	29° 1	5°33	4° 6	5°29	19°20	n.a.	T 12
F 13	16 54 42	13° 6'22	25°52	28°22	27°41	19°31	2°52	20°24	8°34	29° 2	5°32	3°56	5°26	19°27	n.a.	F 13
S 14	16 58 38	14° 3'32	7♐46	28° 2	28°30	20°12	3° 4	20°19	8°31	29° 3	5°31	3°47	5°23	19°33	n.a.	S 14
S 15	17 2 35	15° 0'41	19°37	27°37	29°18	20°53	3°17	20°15	8°29	29° 4	5°29	3°39	5°20	19°40	n.a.	S 15
M16	17 6 31	15°57'52	1♑27	27° 9	0♎ 6	21°34	3°30	20°10	8°27	29° 4	5°28	3°32	5°16	19°47	n.a.	M16
T 17	17 10 28	16°55'03	13°17	26°36	0°53	22°15	3°43	20° 6	8°25	29° 5	5°27	3°28	5°13	19°53	n.a.	T 17
W18	17 14 24	17°52'16	25°11	26° 1	1°39	22°56	3°56	20° 2	8°23	29° 6	5°25	3°26	5°10	20° 0	n.a.	W18
T 19	17 18 21	18°49'28	7♒10	25°23	2°24	23°36	4° 9	19°57	8°21	29° 7	5°24	3°D26	5° 7	20° 7	n.a.	T 19
F 20	17 22 18	19°46'42	19°19	24°42	3° 9	24°17	4°22	19°53	8°18	29° 8	5°23	3°27	5° 4	20°13	n.a.	F 20
S 21	17 26 14	20°43'57	1♓41	24° 0	3°52	24°57	4°35	19°48	8°16	29° 9	5°22	3°28	5° 1	20°20	n.a.	S 21
S 22	17 30 11	21°41'13	14°22	23°17	4°35	25°38	4°48	19°44	8°14	29°10	5°20	3°29	4°57	20°27	n.a.	S 22
M23	17 34 7	22°38'30	27°25	22°34	5°16	26°18	5° 1	19°39	8°12	29°12	5°19	3°R29	4°54	20°34	n.a.	M23
T 24	17 38 4	23°35'49	10♈53	21°51	5°57	26°58	5°14	19°35	8° 9	29°13	5°18	3°28	4°51	20°40	n.a.	T 24
W25	17 42 0	24°33'08	24°49	21°10	6°36	27°39	5°27	19°30	8° 7	29°14	5°16	3°25	4°48	20°47	n.a.	W25
T 26	17 45 57	25°30'29	9♉12	20°32	7°15	28°19	5°40	19°26	8° 5	29°15	5°15	3°21	4°45	20°54	n.a.	T 26
F 27	17 49 53	26°27'51	23°59	19°56	7°52	28°59	5°53	19°22	8° 2	29°16	5°13	3°16	4°41	21° 0	n.a.	F 27
S 28	17 53 50	27°25'14	9♊ 4	19°24	8°28	29°38	6° 6	19°17	8° 0	29°17	5°12	3°11	4°38	21° 7	n.a.	S 28
S 29	17 57 47	28°22'39	24°18	18°56	9° 3	0♉18	6°20	19°13	7°58	29°19	5°11	3° 6	4°35	21°14	n.a.	S 29
M30	18 1 43	29♊20'04	9♋30	18♊33	9♎37	0♉58	6♋33	19♐ 8	7♑55	29♎20	5♑ 9	3♒ 3	4♒32	21♐20	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n47	26n49	3n49	23n30	0s14	24n37	1n57	3n27	1s 8	24n15	0n29	22s57	0n32	23s57	0s29	13n26	1n30	30s 2	6s23	19s22	19s 1	27s 3		n.a.
M 2	20 59	26 35	2 49	23 17	0 27	24 26	1 54	3 44	1 7	24 15	0 29	22 57	0 32	23 58	0 29	13 26	1 30	30 2	6 24	19 23	19 2	27 3		n.a.
T 3	21 10	24 27	1 38	23 4	0 41	24 15	1 50	4 1	1 7	24 15	0 29	22 57	0 32	23 58	0 29	13 25	1 30	30 3	6 24	19 24	19 3	27 3		n.a.
W 4	21 21	20 43	0 22	22 51	0 55	24 2	1 46	4 18	1 7	24 15	0 29	22 57	0 32	23 58	0 29	13 25	1 30	30 3	6 24	19 24	19 4	27 3		n.a.
T 5	21 31	15 52	0s53	22 37	1 9	23 50	1 42	4 35	1 6	24 15	0 29	22 56	0 32	23 58	0 29	13 25	1 30	30 3	6 24	19 24	19 5	27 3		n.a.
F 6	21 41	10 21	2 3	22 22	1 24	23 37	1 37	4 52	1 6	24 15	0 29	22 56	0 32	23 58	0 29	13 25	1 30	30 3	6 24	19 24	19 5	27 3		n.a.
S 7	21 51	4 31	3 4	22 8	1 39	23 24	1 33	5 8	1 5	24 15	0 29	22 56	0 32	23 58	0 29	13 24	1 30	30 4	6 25	19 24	19 6	27 3		n.a.
S 8	22 1	1s20	3 55	21 53	1 54	23 10	1 28	5 25	1 5	24 15	0 29	22 56	0 32	23 58	0 29	13 24	1 30	30 4	6 25	19 24	19 7	27 3		n.a.
M 9	22 10	7 0	4 32	21 38	2 9	22 56	1 23	5 41	1 5	24 15	0 29	22 55	0 31	23 59	0 29	13 24	1 30	30 4	6 25	19 25	19 8	27 3		n.a.
T 10	22 18	12 18	4 56	21 23	2 24	22 41	1 18	5 58	1 4	24 15	0 29	22 55	0 31	23 59	0 29	13 24	1 30	30 4	6 25	19 26	19 8	27 3		n.a.
W11	22 26	17 1	5 6	21 8	2 38	22 26	1 13	6 14	1 4	24 15	0 29	22 55	0 31	23 59	0 29	13 23	1 30	30 4	6 25	19 28	19 9	27 3		n.a.
T 12	22 34	21 1	5 1	20 53	2 53	22 11	1 7	6 30	1 3	24 14	0 29	22 55	0 31	23 59	0 29	13 23	1 30	30 5	6 25	19 30	19 10	27 3		n.a.
F 13	22 42	24 5	4 44	20 39	3 7	21 55	1 1	6 47	1 3	24 14	0 29	22 55	0 31	23 59	0 29	13 23	1 30	30 5	6 25	19 33	19 11	27 3		n.a.
S 14	22 49	26 6	4 14	20 25	3 21	21 40	0 56	7 3	1 2	24 14	0 29	22 54	0 31	23 59	0 29	13 22	1 30	30 5	6 26	19 35	19 12	27 3		n.a.
S 15	22 55	26 55	3 34	20 11	3 34	21 23	0 49	7 19	1 2	24 14	0 29	22 54	0 31	23 59	0 29	13 22	1 30	30 5	6 26	19 37	19 12	27 3		n.a.
M16	23 2	26 30	2 44	19 58	3 46	21 7	0 43	7 35	1 1	24 13	0 30	22 54	0 31	24 0	0 29	13 22	1 30	30 5	6 26	19 38	19 13	27 3		n.a.
T 17	23 8	24 52	1 47	19 46	3 58	20 50	0 36	7 51	1 1	24 13	0 30	22 54	0 31	24 0	0 29	13 21	1 30	30 6	6 26	19 39	19 14	27 2		n.a.
W18	23 13	22 8	0 45	19 35	4 8	20 33	0 30	8 6	1 0	24 13	0 30	22 53	0 31	24 0	0 29	13 21	1 30	30 6	6 26	19 40	19 15	27 2		n.a.
T 19	23 18	18 25	0n20	19 25	4 17	20 16	0 22	8 22	1 0	24 13	0 30	22 53	0 31	24 0	0 29	13 20	1 30	30 6	6 26	19 40	19 16	27 2		n.a.
F 20	23 23	13 54	1 25	19 16	4 25	19 59	0 15	8 38	0 59	24 12	0 30	22 53	0 31	24 0	0 29	13 20	1 30	30 6	6 26	19 40	19 16	27 2		n.a.
S 21	23 27	8 44	2 27	19 8	4 31	19 41	0 8	8 53	0 59	24 12	0 30	22 53	0 30	24 0	0 29	13 20	1 30	30 6	6 26	19 39	19 17	27 2		n.a.
S 22	23 31	3 7	3 24	19 1	4 36	19 23	0 0	9 9	0 58	24 11	0 30	22 52	0 30	24 1	0 29	13 19	1 30	30 6	6 27	19 39	19 18	27 2		n.a.
M23	23 34	2n48	4 12	18 56	4 39	19 5	0s 8	9 24	0 58	24 11	0 30	22 52	0 30	24 1	0 29	13 19	1 30	30 7	6 27	19 39	19 19	27 2		n.a.
T 24	23 37	8 45	4 47	18 52	4 40	18 47	0 16	9 39	0 57	24 11	0 30	22 52	0 30	24 1	0 29	13 18	1 30	30 7	6 27	19 39	19 19	27 2		n.a.
W25	23 40	14 30	5 7	18 50	4 39	18 29	0 25	9 54	0 57	24 10	0 30	22 52	0 30	24 1	0 29	13 18	1 30	30 7	6 27	19 40	19 20	27 2		n.a.
T 26	23 42	19 38	5 9	18 50	4 37	18 11	0 33	10 9	0 56	24 10	0 30	22 51	0 30	24 1	0 30	13 17	1 29	30 7	6 27	19 41	19 21	27 1		n.a.
F 27	23 44	23 43	4 51	18 51	4 33	17 53	0 42	10 24	0 56	24 9	0 30	22 51	0 30	24 1	0 30	13 17	1 29	30 7	6 27	19 42	19 22	27 1		n.a.
S 28	23 45	26 17	4 12	18 54	4 28	17 35	0 51	10 39	0 55	24 9	0 30	22 51	0 30	24 2	0 30	13 17	1 29	30 7	6 27	19 43	19 23	27 1		n.a.
S 29	23 46	26 55	3 16	18 59	4 21	17 16	1 1	10 53	0 54	24 8	0 31	22 50	0 30	24 2	0 30	13 16	1 29	30 8	6 27	19 45	19 23	27 1		n.a.
M30	23n47	25n31	2n 5	19n 6	4s12	16n58	1s10	11n 8	0s54	24n 8	0n31	22s50	0n30	24s 2	0s30	13n16	1n29	30s 8	6s27	19s45	19s24	27s 1		n.a.

Julian Day Number = 1469186.5, Delta T = 05h32m30s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'40, Lahiri = -13°29'39 Julian Calendar 1 June 691 BCE == Greg. Calendar 25 May 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

JULY 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 5 40	0♋17'31	24♋30	18°R15	10♌ 9	1♉37	6♋46	19°R 4	7°R53	29♌21	5°R 8	3°R 1	4♒29	21♐27	n.a.	T 1
W 2	18 9 36	1°14'59	9♌12	18♊ 3	10°40	2°17	6°59	19♐ 0	7♑51	29°23	5♑ 7	3°D 1	4°26	21°34	n.a.	W 2
T 3	18 13 33	2°12'27	23°28	17°D57	11° 9	2°56	7°12	18°55	7°48	29°24	5° 5	3♒ 2	4°22	21°40	n.a.	T 3
F 4	18 17 29	3° 9'56	7♍19	17°58	11°37	3°36	7°25	18°51	7°46	29°26	5° 4	3° 4	4°19	21°47	n.a.	F 4
S 5	18 21 26	4° 7'27	20°43	18° 5	12° 4	4°15	7°39	18°47	7°43	29°27	5° 3	3° 5	4°16	21°54	n.a.	S 5
S 6	18 25 23	5° 4'58	3♎43	18°19	12°28	4°54	7°52	18°43	7°41	29°28	5° 1	3°R 6	4°13	22° 0	n.a.	S 6
M 7	18 29 19	6° 2'30	16°22	18°40	12°51	5°33	8° 5	18°39	7°39	29°30	5° 0	3° 5	4°10	22° 7	n.a.	M 7
T 8	18 33 16	7° 0'03	28°44	19° 8	13°13	6°12	8°18	18°35	7°36	29°31	4°58	3° 3	4° 7	22°14	n.a.	T 8
W 9	18 37 12	7°57'38	10♏53	19°42	13°32	6°50	8°31	18°30	7°34	29°33	4°57	3° 1	4° 3	22°20	n.a.	W 9
T 10	18 41 9	8°55'13	22°53	20°24	13°50	7°29	8°44	18°26	7°31	29°34	4°56	2°57	4° 0	22°27	n.a.	T 10
F 11	18 45 5	9°52'50	4♐47	21°12	14° 6	8° 8	8°58	18°22	7°29	29°36	4°54	2°53	3°57	22°34	n.a.	F 11
S 12	18 49 2	10°50'28	16°38	22° 7	14°20	8°46	9°11	18°18	7°27	29°38	4°53	2°50	3°54	22°40	n.a.	S 12
S 13	18 52 58	11°48'08	28°28	23° 8	14°32	9°24	9°24	18°15	7°24	29°39	4°52	2°47	3°51	22°47	n.a.	S 13
M14	18 56 55	12°45'49	10♑20	24°15	14°41	10° 3	9°37	18°11	7°22	29°41	4°50	2°44	3°47	22°54	n.a.	M14
T 15	19 0 52	13°43'31	22°15	25°29	14°49	10°41	9°50	18° 7	7°20	29°43	4°49	2°43	3°44	23° 1	n.a.	T 15
W16	19 4 48	14°41'15	4♒16	26°48	14°54	11°19	10° 4	18° 3	7°17	29°44	4°48	2°D43	3°41	23° 7	n.a.	W16
T 17	19 8 45	15°39'00	16°25	28°12	14°57	11°57	10°17	17°59	7°15	29°46	4°46	2°43	3°38	23°14	n.a.	T 17
F 18	19 12 41	16°36'47	28°44	29°42	14°R58	12°34	10°30	17°56	7°12	29°48	4°45	2°44	3°35	23°21	n.a.	F 18
S 19	19 16 38	17°34'36	11♓15	1♋16	14°57	13°12	10°43	17°52	7°10	29°49	4°44	2°45	3°32	23°27	n.a.	S 19
S 20	19 20 34	18°32'27	24° 2	2°54	14°53	13°50	10°56	17°49	7° 8	29°51	4°42	2°47	3°28	23°34	n.a.	S 20
M21	19 24 31	19°30'19	7♈ 7	4°36	14°47	14°27	11° 9	17°45	7° 5	29°53	4°41	2°47	3°25	23°41	n.a.	M21
T 22	19 28 27	20°28'14	20°33	6°22	14°39	15° 5	11°22	17°42	7° 3	29°55	4°40	2°R48	3°22	23°47	n.a.	T 22
W23	19 32 24	21°26'10	4♉21	8°10	14°28	15°42	11°36	17°39	7° 1	29°57	4°38	2°47	3°19	23°54	n.a.	W23
T 24	19 36 21	22°24'09	18°31	10° 1	14°15	16°19	11°49	17°35	6°59	29°58	4°37	2°47	3°16	24° 1	n.a.	T 24
F 25	19 40 17	23°22'10	3♊ 2	11°54	13°59	16°56	12° 2	17°32	6°56	0♍ 0	4°36	2°46	3°12	24° 7	n.a.	F 25
S 26	19 44 14	24°20'12	17°50	13°49	13°41	17°33	12°15	17°29	6°54	0° 2	4°34	2°45	3° 9	24°14	n.a.	S 26
S 27	19 48 10	25°18'17	2♋48	15°45	13°21	18°10	12°28	17°26	6°52	0° 4	4°33	2°44	3° 6	24°21	n.a.	S 27
M28	19 52 7	26°16'24	17°49	17°41	12°59	18°46	12°41	17°23	6°50	0° 6	4°32	2°43	3° 3	24°27	n.a.	M28
T 29	19 56 3	27°14'32	2♌44	19°38	12°35	19°23	12°54	17°20	6°47	0° 8	4°31	2°D43	3° 0	24°34	n.a.	T 29
W30	20 0 0	28°12'42	17°25	21°36	12° 9	19°59	13° 7	17°17	6°45	0°10	4°29	2°43	2°57	24°41	n.a.	W30
T 31	20 3 56	29♋10'54	1♍46	23♋34	11♌40	20♉35	13♋20	17♐14	6♑43	0♍12	4♑28	2♒44	2♒53	24♐47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n47	22n17	0n46	19n14	4s 2	16n40	1s20	11n23	0s53	24n 7	0n31	22s50	0n29	24s 2	0s30	13n15	1n29	30s 8	6s28	19s46	19s25	27s 0			n.a.
W 2	23 46	17 40	0s34	19 24	3 51	16 22	1 30	11 37	0 53	24 6	0 31	22 50	0 29	24 2	0 30	13 15	1 29	30 8	6 28	19 46	19 26	27 0			n.a.
T 3	23 46	12 10	1 50	19 35	3 39	16 4	1 41	11 51	0 52	24 6	0 31	22 49	0 29	24 2	0 30	13 14	1 29	30 8	6 28	19 45	19 26	27 0			n.a.
F 4	23 44	6 13	2 57	19 48	3 26	15 46	1 51	12 5	0 51	24 5	0 31	22 49	0 29	24 2	0 30	13 14	1 29	30 8	6 28	19 45	19 27	27 0			n.a.
S 5	23 43	0 11	3 52	20 3	3 12	15 28	2 2	12 19	0 51	24 4	0 31	22 49	0 29	24 3	0 30	13 13	1 29	30 8	6 28	19 45	19 28	27 0			n.a.
S 6	23 41	5s40	4 34	20 18	2 58	15 10	2 13	12 33	0 50	24 4	0 31	22 49	0 29	24 3	0 30	13 12	1 29	30 9	6 28	19 45	19 29	26 59			n.a.
M 7	23 38	11 8	5 1	20 35	2 43	14 53	2 25	12 47	0 50	24 3	0 31	22 48	0 29	24 3	0 30	13 12	1 29	30 9	6 28	19 45	19 29	26 59			n.a.
T 8	23 35	16 2	5 13	20 53	2 27	14 36	2 36	13 0	0 49	24 2	0 31	22 48	0 29	24 3	0 30	13 11	1 29	30 9	6 28	19 45	19 30	26 59			n.a.
W 9	23 32	20 13	5 11	21 11	2 12	14 19	2 48	13 14	0 48	24 1	0 31	22 48	0 29	24 3	0 30	13 11	1 29	30 9	6 28	19 46	19 31	26 59			n.a.
T 10	23 28	23 30	4 55	21 30	1 56	14 2	3 0	13 27	0 48	24 1	0 32	22 48	0 29	24 3	0 30	13 10	1 29	30 9	6 28	19 47	19 32	26 58			n.a.
F 11	23 24	25 46	4 27	21 49	1 40	13 46	3 12	13 41	0 47	24 0	0 32	22 47	0 28	24 3	0 30	13 10	1 29	30 9	6 28	19 47	19 32	26 58			n.a.
S 12	23 20	26 52	3 47	22 8	1 24	13 30	3 25	13 54	0 46	23 59	0 32	22 47	0 28	24 4	0 30	13 9	1 29	30 9	6 28	19 48	19 33	26 58			n.a.
S 13	23 15	26 44	2 58	22 27	1 9	13 15	3 37	14 7	0 46	23 58	0 32	22 47	0 28	24 4	0 30	13 8	1 29	30 9	6 28	19 49	19 34	26 58			n.a.
M14	23 9	25 22	2 0	22 46	0 54	13 0	3 50	14 20	0 45	23 57	0 32	22 47	0 28	24 4	0 30	13 8	1 29	30 10	6 28	19 50	19 35	26 57			n.a.
T 15	23 4	22 51	0 57	23 4	0 39	12 45	4 3	14 32	0 44	23 56	0 32	22 47	0 28	24 4	0 30	13 7	1 29	30 10	6 28	19 50	19 35	26 57			n.a.
W16	22 57	19 20	0n 9	23 20	0 24	12 31	4 16	14 45	0 43	23 56	0 32	22 46	0 28	24 4	0 30	13 7	1 29	30 10	6 29	19 50	19 36	26 57			n.a.
T 17	22 51	14 57	1 15	23 36	0 10	12 18	4 29	14 58	0 43	23 55	0 32	22 46	0 28	24 4	0 30	13 6	1 29	30 10	6 29	19 50	19 37	26 56			n.a.
F 18	22 44	9 55	2 19	23 50	0n 3	12 5	4 42	15 10	0 42	23 54	0 32	22 46	0 28	24 4	0 30	13 5	1 29	30 10	6 29	19 50	19 38	26 56			n.a.
S 19	22 36	4 25	3 17	24 2	0 16	11 53	4 55	15 22	0 41	23 53	0 32	22 46	0 28	24 5	0 30	13 5	1 29	30 10	6 29	19 49	19 39	26 56			n.a.
S 20	22 29	1n22	4 7	24 13	0 28	11 41	5 9	15 34	0 41	23 52	0 32	22 45	0 27	24 5	0 30	13 4	1 29	30 10	6 29	19 49	19 39	26 55			n.a.
M21	22 20	7 13	4 46	24 21	0 39	11 30	5 22	15 46	0 40	23 51	0 33	22 45	0 27	24 5	0 30	13 3	1 29	30 10	6 29	19 49	19 40	26 55			n.a.
T 22	22 12	12 54	5 10	24 27	0 50	11 20	5 35	15 58	0 39	23 50	0 33	22 45	0 27	24 5	0 30	13 3	1 29	30 10	6 29	19 49	19 41	26 55			n.a.
W23	22 3	18 6	5 17	24 30	0 59	11 10	5 48	16 10	0 38	23 49	0 33	22 45	0 27	24 5	0 30	13 2	1 29	30 10	6 29	19 49	19 42	26 54			n.a.
T 24	21 53	22 27	5 5	24 31	1 8	11 2	6 1	16 21	0 38	23 48	0 33	22 45	0 27	24 5	0 30	13 1	1 29	30 10	6 29	19 49	19 42	26 54			n.a.
F 25	21 43	25 32	4 34	24 30	1 16	10 54	6 14	16 33	0 37	23 46	0 33	22 44	0 27	24 5	0 30	13 1	1 29	30 10	6 29	19 49	19 43	26 54			n.a.
S 26	21 33	26 56	3 44	24 25	1 22	10 47	6 26	16 44	0 36	23 45	0 33	22 44	0 27	24 5	0 30	13 0	1 29	30 10	6 29	19 49	19 44	26 53			n.a.
S 27	21 23	26 23	2 39	24 18	1 28	10 41	6 39	16 55	0 35	23 44	0 33	22 44	0 27	24 6	0 30	12 59	1 29	30 11	6 29	19 50	19 44	26 53			n.a.
M28	21 12	23 55	1 22	24 8	1 34	10 35	6 51	17 6	0 34	23 43	0 33	22 44	0 26	24 6	0 30	12 58	1 29	30 11	6 29	19 50	19 45	26 52			n.a.
T 29	21 0	19 50	0s 0	23 56	1 38	10 31	7 2	17 17	0 34	23 42	0 33	22 44	0 26	24 6	0 30	12 58	1 29	30 11	6 29	19 50	19 46	26 52			n.a.
W30	20 49	14 33	1 21	23 41	1 41	10 28	7 13	17 28	0 33	23 41	0 34	22 44	0 26	24 6	0 30	12 57	1 29	30 11	6 29	19 50	19 47	26 52			n.a.
T 31	20n37	8n36	2s34	23n24	1n44	10n25	7s24	17n38	0s32	23n40	0n34	22s43	0n26	24s 6	0s30	12n56	1n29	30s11	6s29	19s50	19s47	26s51			n.a.

Julian Day Number = 1469216.5, Delta T = 05h32m28s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'36, Lahiri = -13°29'35 Julian Calendar 1 July 691 BCE == Greg. Calendar 24 June 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

AUGUST 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 7 53	0♌ 9'08	15♍42	25♋31	11°R11	21♉11	13♋33	17°R12	6°R41	0♍14	4°R27	2♒44	2♒50	24♐54	n.a.	F 1
S 2	20 11 50	1° 7'23	29°13	27°28	10♌39	21°47	13°46	17♐ 9	6♑39	0°16	4♑26	2°44	2°47	25° 1	n.a.	S 2
S 3	20 15 46	2° 5'40	12♎18	29°24	10° 6	22°23	13°58	17° 7	6°37	0°18	4°25	2°44	2°44	25° 7	n.a.	S 3
M 4	20 19 43	3° 3'58	25° 1	1♌20	9°32	22°59	14°11	17° 4	6°35	0°20	4°23	2°R44	2°41	25°14	n.a.	M 4
T 5	20 23 39	4° 2'18	7♏24	3°15	8°57	23°34	14°24	17° 2	6°32	0°22	4°22	2°D44	2°38	25°21	n.a.	T 5
W 6	20 27 36	5° 0'40	19°33	5° 9	8°21	24°10	14°37	17° 0	6°30	0°24	4°21	2°44	2°34	25°27	n.a.	W 6
T 7	20 31 32	5°59'04	1♐31	7° 2	7°45	24°45	14°50	16°58	6°28	0°26	4°20	2°45	2°31	25°34	n.a.	T 7
F 8	20 35 29	6°57'29	13°22	8°54	7° 8	25°20	15° 2	16°56	6°26	0°28	4°19	2°45	2°28	25°41	n.a.	F 8
S 9	20 39 25	7°55'56	25°12	10°45	6°31	25°55	15°15	16°54	6°25	0°30	4°18	2°45	2°25	25°47	n.a.	S 9
S 10	20 43 22	8°54'25	7♑ 3	12°35	5°54	26°30	15°28	16°52	6°23	0°32	4°17	2°46	2°22	25°54	n.a.	S 10
M11	20 47 18	9°52'56	18°59	14°24	5°18	27° 5	15°40	16°50	6°21	0°34	4°16	2°47	2°18	26° 1	n.a.	M11
T 12	20 51 15	10°51'29	1♒ 3	16°12	4°42	27°39	15°53	16°48	6°19	0°37	4°15	2°R47	2°15	26° 7	n.a.	T 12
W13	20 55 12	11°50'04	13°15	17°59	4° 7	28°13	16° 5	16°46	6°17	0°39	4°13	2°47	2°12	26°14	n.a.	W13
T 14	20 59 8	12°48'41	25°39	19°45	3°34	28°48	16°18	16°45	6°15	0°41	4°12	2°46	2° 9	26°21	n.a.	T 14
F 15	21 3 5	13°47'19	8♓15	21°29	3° 1	29°22	16°30	16°44	6°14	0°43	4°11	2°45	2° 6	26°27	n.a.	F 15
S 16	21 7 1	14°46'00	21° 4	23°13	2°30	29°56	16°42	16°42	6°12	0°45	4°10	2°43	2° 3	26°34	n.a.	S 16
S 17	21 10 58	15°44'44	4♈ 6	24°56	2° 1	0♊29	16°55	16°41	6°10	0°47	4°10	2°42	1°59	26°41	n.a.	S 17
M18	21 14 54	16°43'29	17°23	26°37	1°34	1° 3	17° 7	16°40	6° 9	0°49	4° 9	2°40	1°56	26°48	n.a.	M18
T 19	21 18 51	17°42'17	0♉55	28°18	1° 8	1°36	17°19	16°39	6° 7	0°52	4° 8	2°39	1°53	26°54	n.a.	T 19
W20	21 22 47	18°41'08	14°42	29°58	0°45	2°10	17°32	16°38	6° 5	0°54	4° 7	2°D38	1°50	27° 1	n.a.	W20
T 21	21 26 44	19°40'01	28°43	1♍36	0°24	2°43	17°44	16°37	6° 4	0°56	4° 6	2°38	1°47	27° 8	n.a.	T 21
F 22	21 30 41	20°38'56	12♊58	3°14	0° 5	3°15	17°56	16°36	6° 2	0°58	4° 5	2°39	1°44	27°14	n.a.	F 22
S 23	21 34 37	21°37'54	27°24	4°51	29♋48	3°48	18° 8	16°35	6° 1	1° 0	4° 4	2°40	1°40	27°21	n.a.	S 23
S 24	21 38 34	22°36'55	11♋58	6°27	29°34	4°21	18°20	16°35	5°59	1° 3	4° 3	2°42	1°37	27°28	n.a.	S 24
M25	21 42 30	23°35'57	26°35	8° 2	29°22	4°53	18°32	16°34	5°58	1° 5	4° 3	2°R42	1°34	27°34	n.a.	M25
T 26	21 46 27	24°35'02	11♌10	9°36	29°13	5°25	18°44	16°34	5°57	1° 7	4° 2	2°42	1°31	27°41	n.a.	T 26
W27	21 50 23	25°34'09	25°37	11° 9	29° 6	5°57	18°55	16°34	5°55	1° 9	4° 1	2°41	1°28	27°48	n.a.	W27
T 28	21 54 20	26°33'19	9♍49	12°42	29° 1	6°29	19° 7	16°34	5°54	1°12	4° 0	2°39	1°24	27°54	n.a.	T 28
F 29	21 58 16	27°32'30	23°42	14°13	28°D59	7° 0	19°19	16°D33	5°53	1°14	4° 0	2°35	1°21	28° 1	n.a.	F 29
S 30	22 2 13	28°31'43	7♎13	15°44	28°59	7°32	19°30	16°34	5°52	1°16	3°59	2°31	1°18	28° 8	n.a.	S 30
S 31	22 6 9	29♌30'58	20♎21	17♍14	29♋ 2	8♊ 3	19♋42	16♐34	5♑51	1♍18	3♑58	2♒27	1♒15	28♐14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n24	2n24	3s37	23n 5	1n46	10n23	7s34	17n49	0s31	23n38	0n34	22s43	0n26	24s 6	0s30	12n56	1n29	30s11	6s29	19s50	19s48	26s51		n.a.
S 2	20 12	3s43	4 25	22 43	1 47	10 23	7 43	17 59	0 30	23 37	0 34	22 43	0 26	24 6	0 30	12 55	1 29	30 11	6 29	19 50	19 49	26 50		n.a.
S 3	19 58	9 29	4 58	22 19	1 48	10 23	7 52	18 9	0 29	23 36	0 34	22 43	0 26	24 6	0 30	12 54	1 28	30 11	6 29	19 50	19 50	26 50		n.a.
M 4	19 45	14 41	5 15	21 54	1 48	10 24	8 0	18 19	0 29	23 35	0 34	22 43	0 26	24 6	0 30	12 53	1 28	30 11	6 29	19 50	19 50	26 49		n.a.
T 5	19 31	19 9	5 16	21 27	1 47	10 26	8 7	18 29	0 28	23 33	0 34	22 43	0 26	24 7	0 30	12 53	1 28	30 11	6 29	19 50	19 51	26 49		n.a.
W 6	19 17	22 44	5 4	20 58	1 46	10 29	8 14	18 39	0 27	23 32	0 34	22 43	0 25	24 7	0 30	12 52	1 28	30 11	6 29	19 50	19 52	26 49		n.a.
T 7	19 3	25 18	4 38	20 27	1 44	10 33	8 19	18 48	0 26	23 31	0 35	22 43	0 25	24 7	0 30	12 51	1 28	30 11	6 29	19 50	19 53	26 48		n.a.
F 8	18 48	26 43	4 1	19 55	1 42	10 38	8 24	18 58	0 25	23 30	0 35	22 43	0 25	24 7	0 30	12 50	1 28	30 11	6 29	19 49	19 53	26 48		n.a.
S 9	18 33	26 55	3 14	19 22	1 39	10 43	8 28	19 7	0 24	23 28	0 35	22 43	0 25	24 7	0 30	12 50	1 28	30 11	6 29	19 49	19 54	26 47		n.a.
S 10	18 17	25 53	2 18	18 48	1 36	10 49	8 30	19 16	0 23	23 27	0 35	22 42	0 25	24 7	0 30	12 49	1 28	30 11	6 29	19 49	19 55	26 47		n.a.
M11	18 1	23 40	1 16	18 13	1 32	10 56	8 32	19 25	0 22	23 25	0 35	22 42	0 25	24 7	0 30	12 48	1 28	30 11	6 29	19 49	19 56	26 46		n.a.
T 12	17 45	20 22	0 10	17 37	1 28	11 3	8 33	19 34	0 21	23 24	0 35	22 42	0 25	24 7	0 30	12 47	1 28	30 11	6 29	19 49	19 56	26 46		n.a.
W13	17 29	16 9	0n58	16 59	1 24	11 11	8 33	19 43	0 20	23 23	0 35	22 42	0 25	24 7	0 30	12 47	1 28	30 11	6 29	19 49	19 57	26 45		n.a.
T 14	17 12	11 13	2 3	16 21	1 19	11 19	8 32	19 52	0 19	23 21	0 35	22 42	0 24	24 7	0 30	12 46	1 28	30 11	6 28	19 49	19 58	26 45		n.a.
F 15	16 55	5 45	3 4	15 43	1 14	11 28	8 31	20 0	0 18	23 20	0 36	22 42	0 24	24 7	0 30	12 45	1 28	30 11	6 28	19 49	19 58	26 44		n.a.
S 16	16 38	0n 1	3 57	15 4	1 9	11 38	8 28	20 8	0 17	23 19	0 36	22 42	0 24	24 7	0 30	12 44	1 28	30 11	6 28	19 50	19 59	26 43		n.a.
S 17	16 21	5 54	4 38	14 24	1 4	11 47	8 25	20 16	0 16	23 17	0 36	22 42	0 24	24 8	0 30	12 43	1 28	30 11	6 28	19 50	20 0	26 43		n.a.
M18	16 3	11 36	5 5	13 44	0 58	11 57	8 21	20 24	0 15	23 16	0 36	22 42	0 24	24 8	0 30	12 43	1 28	30 11	6 28	19 51	20 1	26 42		n.a.
T 19	15 45	16 53	5 16	13 3	0 52	12 8	8 16	20 32	0 14	23 14	0 36	22 42	0 24	24 8	0 30	12 42	1 28	30 11	6 28	19 51	20 1	26 42		n.a.
W20	15 26	21 23	5 9	12 22	0 46	12 18	8 10	20 40	0 13	23 13	0 36	22 42	0 24	24 8	0 30	12 41	1 28	30 11	6 28	19 51	20 2	26 41		n.a.
T 21	15 8	24 46	4 44	11 40	0 40	12 28	8 4	20 48	0 12	23 11	0 36	22 42	0 24	24 8	0 30	12 40	1 28	30 11	6 28	19 51	20 3	26 41		n.a.
F 22	14 49	26 40	4 1	10 59	0 33	12 39	7 57	20 55	0 11	23 10	0 37	22 42	0 23	24 8	0 30	12 39	1 28	30 11	6 28	19 51	20 3	26 40		n.a.
S 23	14 30	26 48	3 3	10 17	0 27	12 49	7 50	21 3	0 10	23 8	0 37	22 42	0 23	24 8	0 30	12 39	1 28	30 11	6 28	19 51	20 4	26 40		n.a.
S 24	14 10	25 6	1 52	9 35	0 20	13 0	7 42	21 10	0 9	23 7	0 37	22 42	0 23	24 8	0 29	12 38	1 28	30 11	6 28	19 50	20 5	26 39		n.a.
M25	13 51	21 41	0 34	8 53	0 13	13 10	7 34	21 17	0 8	23 5	0 37	22 43	0 23	24 8	0 29	12 37	1 28	30 11	6 28	19 50	20 6	26 38		n.a.
T 26	13 31	16 56	0s47	8 10	0 6	13 21	7 25	21 24	0 7	23 4	0 37	22 43	0 23	24 8	0 29	12 36	1 28	30 11	6 28	19 50	20 6	26 38		n.a.
W27	13 11	11 14	2 3	7 28	0s 1	13 31	7 16	21 30	0 6	23 2	0 37	22 43	0 23	24 8	0 29	12 35	1 28	30 11	6 28	19 50	20 7	26 37		n.a.
T 28	12 50	5 4	3 10	6 46	0 8	13 41	7 7	21 37	0 5	23 1	0 37	22 43	0 23	24 8	0 29	12 35	1 28	30 11	6 28	19 51	20 8	26 36		n.a.
F 29	12 30	1s12	4 5	6 4	0 15	13 51	6 57	21 44	0 4	22 59	0 38	22 43	0 23	24 8	0 29	12 34	1 28	30 11	6 28	19 52	20 8	26 36		n.a.
S 30	12 9	7 14	4 44	5 22	0 22	14 1	6 47	21 50	0 3	22 58	0 38	22 43	0 22	24 8	0 29	12 33	1 28	30 10	6 28	19 53	20 9	26 35		n.a.
S 31	11n48	12s47	5s 7	4n40	0s30	14n10	6s37	21n56	0s 1	22n56	0n38	22s43	0n22	24s 8	0s29	12n32	1n28	30s10	6s27	19s54	20s10	26s35		n.a.

Julian Day Number = 1469247.5, Delta T = 05h32m27s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'32, Lahiri = -13°29'31 Julian Calendar 1 Aug. 691 BCE == Greg. Calendar 25 July 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

SEPTEMBER 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 10 6	0♍30'16	3♏ 7	18♍43	29♋ 7	8♊34	19♋53	16♐34	5°R50	1♍21	3°R58	2°R24	1♒12	28♐21	n.a.	M 1
T 2	22 14 3	1°29'35	15°33	20°11	29°14	9° 4	20° 5	16°34	5♑49	1°23	3♑57	2♒21	1° 9	28°28	n.a.	T 2
W 3	22 17 59	2°28'56	27°42	21°38	29°23	9°35	20°16	16°35	5°48	1°25	3°56	2°D20	1° 5	28°34	n.a.	W 3
T 4	22 21 56	3°28'19	9♐40	23° 4	29°35	10° 5	20°27	16°35	5°47	1°27	3°56	2°20	1° 2	28°41	n.a.	T 4
F 5	22 25 52	4°27'44	21°31	24°30	29°48	10°35	20°38	16°36	5°46	1°29	3°55	2°21	0°59	28°48	n.a.	F 5
S 6	22 29 49	5°27'11	3♑21	25°54	0♌ 4	11° 5	20°50	16°37	5°45	1°32	3°55	2°23	0°56	28°54	n.a.	S 6
S 7	22 33 45	6°26'40	15°13	27°17	0°22	11°34	21° 1	16°37	5°44	1°34	3°54	2°25	0°53	29° 1	n.a.	S 7
M 8	22 37 42	7°26'11	27°14	28°40	0°41	12° 4	21°11	16°38	5°43	1°36	3°54	2°R26	0°50	29° 8	n.a.	M 8
T 9	22 41 38	8°25'43	9♒25	0♎ 1	1° 3	12°33	21°22	16°39	5°43	1°38	3°53	2°26	0°46	29°14	n.a.	T 9
W10	22 45 35	9°25'18	21°50	1°22	1°26	13° 2	21°33	16°41	5°42	1°41	3°53	2°24	0°43	29°21	n.a.	W10
T 11	22 49 32	10°24'55	4♓30	2°41	1°51	13°30	21°44	16°42	5°41	1°43	3°53	2°20	0°40	29°28	n.a.	T 11
F 12	22 53 28	11°24'33	17°27	3°59	2°18	13°58	21°54	16°43	5°41	1°45	3°52	2°15	0°37	29°34	n.a.	F 12
S 13	22 57 25	12°24'14	0♈40	5°15	2°46	14°26	22° 5	16°45	5°40	1°47	3°52	2° 9	0°34	29°41	n.a.	S 13
S 14	23 1 21	13°23'57	14° 7	6°31	3°16	14°54	22°15	16°46	5°40	1°49	3°52	2° 1	0°30	29°48	n.a.	S 14
M15	23 5 18	14°23'43	27°46	7°44	3°48	15°22	22°26	16°48	5°39	1°52	3°51	1°55	0°27	29°54	n.a.	M15
T 16	23 9 14	15°23'31	11♉35	8°56	4°21	15°49	22°36	16°49	5°39	1°54	3°51	1°49	0°24	0♑ 1	n.a.	T 16
W17	23 13 11	16°23'21	25°32	10° 7	4°55	16°16	22°46	16°51	5°39	1°56	3°51	1°45	0°21	0° 8	n.a.	W17
T 18	23 17 7	17°23'13	9♊34	11°15	5°31	16°43	22°56	16°53	5°38	1°58	3°51	1°43	0°18	0°14	n.a.	T 18
F 19	23 21 4	18°23'08	23°41	12°22	6° 8	17° 9	23° 6	16°55	5°38	2° 0	3°51	1°D43	0°15	0°21	n.a.	F 19
S 20	23 25 1	19°23'06	7♋50	13°26	6°47	17°35	23°16	16°57	5°38	2° 3	3°50	1°44	0°11	0°28	n.a.	S 20
S 21	23 28 57	20°23'06	22° 1	14°27	7°26	18° 1	23°26	17° 0	5°38	2° 5	3°50	1°45	0° 8	0°34	n.a.	S 21
M22	23 32 54	21°23'08	6♌12	15°26	8° 7	18°26	23°35	17° 2	5°38	2° 7	3°50	1°R45	0° 5	0°41	n.a.	M22
T 23	23 36 50	22°23'12	20°20	16°22	8°49	18°52	23°45	17° 4	5°D38	2° 9	3°50	1°44	0° 2	0°48	n.a.	T 23
W24	23 40 47	23°23'18	4♍22	17°14	9°32	19°16	23°54	17° 7	5°38	2°11	3°50	1°40	29♑59	0°54	n.a.	W24
T 25	23 44 43	24°23'26	18°14	18° 2	10°16	19°41	24° 4	17° 9	5°38	2°13	3°D50	1°33	29°55	1° 1	n.a.	T 25
F 26	23 48 40	25°23'37	1♎52	18°46	11° 2	20° 5	24°13	17°12	5°38	2°15	3°50	1°25	29°52	1° 8	n.a.	F 26
S 27	23 52 36	26°23'49	15°13	19°25	11°48	20°29	24°22	17°15	5°38	2°17	3°50	1°15	29°49	1°14	n.a.	S 27
S 28	23 56 33	27°24'03	28°16	20° 0	12°35	20°52	24°31	17°18	5°38	2°20	3°50	1° 5	29°46	1°21	n.a.	S 28
M29	0 0 29	28°24'19	10♏59	20°28	13°23	21°15	24°40	17°21	5°39	2°22	3°50	0°55	29°43	1°28	n.a.	M29
T 30	0 4 26	29♍24'37	23♏24	20♎49	14♌11	21♊38	24♋49	17♐24	5♑39	2♍24	3♑50	0♒48	29♑40	1♑34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n27	17s37	5s14	3n58	0s37	14n19	6s27	22n 2	0s 0	22n55	0n38	22s43	0n22	24s 8	0s29	12n31	1n28	30s10	6s27	19s54	20s11	26s34		n.a.
T 2	11 6	21 35	5 5	3 16	0 44	14 28	6 16	22 8	0n 1	22 53	0 38	22 44	0 22	24 8	0 29	12 31	1 28	30 10	6 27	19 55	20 11	26 33		n.a.
W 3	10 44	24 31	4 44	2 35	0 52	14 36	6 6	22 14	0 2	22 51	0 38	22 44	0 22	24 8	0 29	12 30	1 28	30 10	6 27	19 55	20 12	26 33		n.a.
T 4	10 23	26 20	4 10	1 53	0 59	14 44	5 55	22 20	0 3	22 50	0 39	22 44	0 22	24 8	0 29	12 29	1 28	30 10	6 27	19 55	20 13	26 32		n.a.
F 5	10 1	26 55	3 25	1 12	1 6	14 52	5 45	22 25	0 4	22 48	0 39	22 44	0 22	24 8	0 29	12 28	1 28	30 10	6 27	19 55	20 13	26 31		n.a.
S 6	9 39	26 17	2 32	0 32	1 13	14 59	5 34	22 31	0 6	22 47	0 39	22 44	0 22	24 8	0 29	12 27	1 28	30 10	6 27	19 54	20 14	26 31		n.a.
S 7	9 16	24 26	1 33	0s 8	1 21	15 6	5 23	22 36	0 7	22 45	0 39	22 44	0 21	24 8	0 29	12 27	1 28	30 10	6 27	19 54	20 15	26 30		n.a.
M 8	8 54	21 29	0 28	0 48	1 28	15 12	5 12	22 42	0 8	22 44	0 39	22 45	0 21	24 9	0 29	12 26	1 28	30 10	6 27	19 54	20 16	26 29		n.a.
T 9	8 32	17 33	0n38	1 27	1 35	15 18	5 2	22 47	0 9	22 42	0 39	22 45	0 21	24 9	0 29	12 25	1 28	30 10	6 27	19 54	20 16	26 28		n.a.
W10	8 9	12 48	1 44	2 6	1 42	15 24	4 51	22 52	0 11	22 41	0 40	22 45	0 21	24 9	0 29	12 24	1 28	30 10	6 27	19 54	20 17	26 28		n.a.
T 11	7 46	7 26	2 46	2 44	1 48	15 28	4 40	22 57	0 12	22 39	0 40	22 45	0 21	24 9	0 29	12 23	1 29	30 10	6 27	19 55	20 18	26 27		n.a.
F 12	7 23	1 39	3 40	3 21	1 55	15 33	4 30	23 1	0 13	22 38	0 40	22 46	0 21	24 9	0 29	12 23	1 29	30 10	6 26	19 56	20 18	26 26		n.a.
S 13	7 0	4n18	4 24	3 58	2 2	15 37	4 19	23 6	0 15	22 36	0 40	22 46	0 21	24 9	0 29	12 22	1 29	30 9	6 26	19 58	20 19	26 26		n.a.
S 14	6 37	10 9	4 54	4 34	2 8	15 40	4 9	23 11	0 16	22 34	0 40	22 46	0 21	24 9	0 29	12 21	1 29	30 9	6 26	19 59	20 20	26 25		n.a.
M15	6 14	15 36	5 8	5 10	2 14	15 43	3 59	23 15	0 17	22 33	0 40	22 46	0 21	24 9	0 29	12 20	1 29	30 9	6 26	20 1	20 20	26 24		n.a.
T 16	5 50	20 20	5 5	5 44	2 20	15 45	3 48	23 19	0 19	22 31	0 41	22 47	0 20	24 9	0 29	12 19	1 29	30 9	6 26	20 2	20 21	26 23		n.a.
W17	5 27	23 59	4 43	6 17	2 26	15 47	3 38	23 24	0 20	22 30	0 41	22 47	0 20	24 9	0 29	12 19	1 29	30 9	6 26	20 3	20 22	26 22		n.a.
T 18	5 3	26 13	4 4	6 49	2 31	15 48	3 28	23 28	0 22	22 28	0 41	22 47	0 20	24 9	0 29	12 18	1 29	30 9	6 26	20 4	20 22	26 22		n.a.
F 19	4 39	26 48	3 11	7 20	2 36	15 48	3 18	23 32	0 23	22 27	0 41	22 48	0 20	24 9	0 29	12 17	1 29	30 9	6 26	20 4	20 23	26 21		n.a.
S 20	4 16	25 38	2 5	7 50	2 41	15 48	3 8	23 36	0 24	22 25	0 41	22 48	0 20	24 9	0 29	12 16	1 29	30 9	6 26	20 3	20 24	26 20		n.a.
S 21	3 52	22 49	0 52	8 18	2 45	15 48	2 59	23 40	0 26	22 24	0 42	22 48	0 20	24 9	0 29	12 16	1 29	30 9	6 26	20 3	20 25	26 19		n.a.
M22	3 28	18 36	0s24	8 45	2 49	15 46	2 49	23 43	0 27	22 22	0 42	22 49	0 20	24 9	0 29	12 15	1 29	30 9	6 25	20 3	20 25	26 19		n.a.
T 23	3 4	13 22	1 38	9 10	2 52	15 45	2 40	23 47	0 29	22 21	0 42	22 49	0 20	24 8	0 29	12 14	1 29	30 9	6 25	20 3	20 26	26 18		n.a.
W24	2 40	7 28	2 46	9 33	2 55	15 42	2 30	23 51	0 30	22 19	0 42	22 49	0 19	24 8	0 29	12 13	1 29	30 8	6 25	20 4	20 27	26 17		n.a.
T 25	2 16	1 18	3 43	9 54	2 58	15 39	2 21	23 54	0 32	22 18	0 42	22 50	0 19	24 8	0 29	12 13	1 29	30 8	6 25	20 6	20 27	26 16		n.a.
F 26	1 51	4s48	4 26	10 12	2 59	15 36	2 12	23 58	0 34	22 16	0 43	22 50	0 19	24 8	0 29	12 12	1 29	30 8	6 25	20 8	20 28	26 15		n.a.
S 27	1 27	10 34	4 53	10 28	3 0	15 31	2 3	24 1	0 35	22 15	0 43	22 50	0 19	24 8	0 29	12 11	1 29	30 8	6 25	20 10	20 29	26 14		n.a.
S 28	1 3	15 44	5 5	10 41	3 0	15 27	1 55	24 4	0 37	22 14	0 43	22 51	0 19	24 8	0 29	12 10	1 29	30 8	6 25	20 12	20 29	26 14		n.a.
M29	0 39	20 5	5 0	10 51	2 59	15 21	1 46	24 7	0 38	22 12	0 43	22 51	0 19	24 8	0 29	12 10	1 29	30 8	6 25	20 14	20 30	26 13		n.a.
T 30	0n14	23s26	4s42	10s58	2s57	15n15	1s37	24n11	0n40	22n11	0n43	22s52	0n19	24s 8	0s29	12n 9	1n29	30s 8	6s25	20s16	20s31	26s12		n.a.

Julian Day Number = 1469278.5, Delta T = 05h32m25s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'27, Lahiri = -13°29'27 Julian Calendar 1 Sept. 691 BCE == Greg. Calendar 25 Aug. 691 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

OCTOBER 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 8 23	0♎24'56	5♐33	21♎ 4	15♌ 1	22♊ 0	24♋57	17♐27	5♑39	2♍26	3♑51	0°R42	29♑36	1♑41	n.a.	W 1
T 2	0 12 19	1°25'17	17°31	21°R11	15°52	22°22	25° 6	17°30	5°40	2°28	3°51	0♒39	29°33	1°48	n.a.	T 2
F 3	0 16 16	2°25'40	29°22	21°10	16°43	22°43	25°14	17°33	5°40	2°30	3°51	0°D37	29°30	1°54	n.a.	F 3
S 4	0 20 12	3°26'04	11♑10	20°59	17°35	23° 5	25°22	17°37	5°41	2°32	3°51	0°38	29°27	2° 1	n.a.	S 4
S 5	0 24 9	4°26'29	23° 2	20°39	18°28	23°25	25°31	17°40	5°42	2°34	3°52	0°38	29°24	2° 8	n.a.	S 5
M 6	0 28 5	5°26'57	5♒ 4	20° 9	19°21	23°46	25°39	17°44	5°42	2°36	3°52	0°R38	29°21	2°14	n.a.	M 6
T 7	0 32 2	6°27'25	17°19	19°29	20°15	24° 5	25°46	17°48	5°43	2°38	3°52	0°37	29°17	2°21	n.a.	T 7
W 8	0 35 58	7°27'55	29°51	18°39	21°10	24°25	25°54	17°51	5°44	2°39	3°53	0°33	29°14	2°27	n.a.	W 8
T 9	0 39 55	8°28'27	12♓45	17°41	22° 5	24°44	26° 2	17°55	5°45	2°41	3°53	0°27	29°11	2°34	n.a.	T 9
F 10	0 43 52	9°29'00	26° 0	16°33	23° 1	25° 2	26° 9	17°59	5°45	2°43	3°53	0°18	29° 8	2°41	n.a.	F 10
S 11	0 47 48	10°29'35	9♈36	15°20	23°58	25°20	26°17	18° 3	5°46	2°45	3°54	0° 7	29° 5	2°47	n.a.	S 11
S 12	0 51 45	11°30'11	23°30	14° 1	24°55	25°38	26°24	18° 7	5°47	2°47	3°54	29♑55	29° 1	2°54	n.a.	S 12
M13	0 55 41	12°30'49	7♉37	12°40	25°53	25°55	26°31	18°11	5°48	2°49	3°55	29°44	28°58	3° 1	n.a.	M13
T 14	0 59 38	13°31'29	21°53	11°20	26°51	26°12	26°38	18°16	5°49	2°51	3°55	29°34	28°55	3° 7	n.a.	T 14
W15	1 3 34	14°32'11	6♊12	10° 3	27°50	26°28	26°45	18°20	5°50	2°52	3°56	29°26	28°52	3°14	n.a.	W15
T 16	1 7 31	15°32'55	20°29	8°51	28°49	26°43	26°51	18°24	5°52	2°54	3°57	29°21	28°49	3°21	n.a.	T 16
F 17	1 11 27	16°33'40	4♋41	7°46	29°49	26°58	26°58	18°29	5°53	2°56	3°57	29°19	28°46	3°27	n.a.	F 17
S 18	1 15 24	17°34'27	18°47	6°52	0♍49	27°13	27° 4	18°33	5°54	2°58	3°58	29°D19	28°42	3°34	n.a.	S 18
S 19	1 19 21	18°35'16	2♌46	6° 8	1°50	27°27	27°10	18°38	5°55	2°59	3°58	29°R19	28°39	3°41	n.a.	S 19
M20	1 23 17	19°36'06	16°37	5°35	2°51	27°40	27°16	18°43	5°57	3° 1	3°59	29°18	28°36	3°47	n.a.	M20
T 21	1 27 14	20°36'58	0♍20	5°15	3°53	27°53	27°22	18°48	5°58	3° 3	4° 0	29°15	28°33	3°54	n.a.	T 21
W22	1 31 10	21°37'52	13°56	5°D 5	4°55	28° 5	27°28	18°52	6° 0	3° 4	4° 1	29° 9	28°30	4° 1	n.a.	W22
T 23	1 35 7	22°38'47	27°22	5° 7	5°57	28°17	27°33	18°57	6° 1	3° 6	4° 1	29° 0	28°27	4° 7	n.a.	T 23
F 24	1 39 3	23°39'43	10♎37	5°20	7° 0	28°28	27°39	19° 2	6° 3	3° 8	4° 2	28°48	28°23	4°14	n.a.	F 24
S 25	1 43 0	24°40'41	23°40	5°41	8° 3	28°38	27°44	19° 7	6° 4	3° 9	4° 3	28°35	28°20	4°21	n.a.	S 25
S 26	1 46 56	25°41'40	6♏29	6°12	9° 7	28°48	27°49	19°13	6° 6	3°11	4° 4	28°21	28°17	4°27	n.a.	S 26
M27	1 50 53	26°42'40	19° 2	6°50	10°10	28°57	27°54	19°18	6° 7	3°12	4° 5	28° 7	28°14	4°34	n.a.	M27
T 28	1 54 50	27°43'42	1♐21	7°36	11°15	29° 5	27°59	19°23	6° 9	3°14	4° 6	27°55	28°11	4°41	n.a.	T 28
W29	1 58 46	28°44'44	13°27	8°27	12°19	29°13	28° 3	19°28	6°11	3°15	4° 7	27°46	28° 7	4°47	n.a.	W29
T 30	2 2 43	29°45'47	25°23	9°24	13°24	29°20	28° 7	19°34	6°13	3°17	4° 7	27°40	28° 4	4°54	n.a.	T 30
F 31	2 6 39	0♏46'51	7♑12	10♎26	14♍29	29♊26	28♋12	19♐39	6♑15	3♍18	4♑ 8	27♑37	28♑ 1	5♑ 1	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	0s10	25s39	4s11	11s 0	2s54	15n 9	1s29	24n14	0n42	22n 9	0n44	22s52	0n19	24s 8	0s29	12n 8	1n29	30s 8	6s24	20s17	20s31	26s11			n.a.
T 2	0 34	26 39	3 29	10 59	2 49	15 1	1 21	24 17	0 43	22 8	0 44	22 52	0 19	24 8	0 29	12 8	1 29	30 8	6 24	20 18	20 32	26 10			n.a.
F 3	0 59	26 26	2 39	10 53	2 43	14 54	1 13	24 20	0 45	22 7	0 44	22 53	0 18	24 8	0 29	12 7	1 29	30 7	6 24	20 18	20 33	26 9			n.a.
S 4	1 23	25 0	1 42	10 42	2 36	14 45	1 5	24 22	0 47	22 5	0 44	22 53	0 18	24 8	0 29	12 6	1 29	30 7	6 24	20 18	20 33	26 8			n.a.
S 5	1 47	22 27	0 41	10 26	2 26	14 36	0 57	24 25	0 48	22 4	0 44	22 54	0 18	24 8	0 29	12 5	1 29	30 7	6 24	20 18	20 34	26 7			n.a.
M 6	2 12	18 53	0n24	10 4	2 16	14 27	0 50	24 28	0 50	22 3	0 45	22 54	0 18	24 8	0 29	12 5	1 29	30 7	6 24	20 18	20 35	26 7			n.a.
T 7	2 36	14 29	1 28	9 37	2 3	14 17	0 42	24 31	0 52	22 1	0 45	22 55	0 18	24 8	0 29	12 4	1 29	30 7	6 24	20 18	20 35	26 6			n.a.
W 8	3 0	9 22	2 29	9 5	1 48	14 6	0 35	24 33	0 54	22 0	0 45	22 55	0 18	24 8	0 29	12 3	1 29	30 7	6 24	20 19	20 36	26 5			n.a.
T 9	3 24	3 44	3 24	8 27	1 32	13 55	0 28	24 36	0 56	21 59	0 45	22 56	0 18	24 8	0 29	12 3	1 29	30 7	6 24	20 20	20 37	26 4			n.a.
F 10	3 49	2n12	4 10	7 44	1 14	13 43	0 21	24 39	0 58	21 58	0 45	22 56	0 18	24 8	0 29	12 2	1 29	30 7	6 24	20 22	20 37	26 3			n.a.
S 11	4 13	8 11	4 43	6 58	0 55	13 30	0 14	24 41	0 59	21 57	0 46	22 57	0 18	24 8	0 29	12 1	1 29	30 7	6 23	20 25	20 38	26 2			n.a.
S 12	4 37	13 53	5 0	6 9	0 35	13 17	0 7	24 44	1 1	21 55	0 46	22 57	0 17	24 8	0 29	12 1	1 29	30 6	6 23	20 27	20 39	26 1			n.a.
M13	5 1	18 57	4 59	5 18	0 15	13 4	0 1	24 46	1 3	21 54	0 46	22 57	0 17	24 8	0 29	12 0	1 29	30 6	6 23	20 30	20 39	26 0			n.a.
T 14	5 25	22 59	4 39	4 27	0n 6	12 50	0n 6	24 49	1 5	21 53	0 46	22 58	0 17	24 8	0 29	12 0	1 29	30 6	6 23	20 32	20 40	25 59			n.a.
W15	5 49	25 37	4 2	3 38	0 26	12 35	0 12	24 51	1 7	21 52	0 47	22 58	0 17	24 8	0 29	11 59	1 29	30 6	6 23	20 34	20 41	25 58			n.a.
T 16	6 12	26 36	3 10	2 51	0 46	12 20	0 18	24 54	1 9	21 51	0 47	22 59	0 17	24 7	0 29	11 58	1 30	30 6	6 23	20 35	20 41	25 57			n.a.
F 17	6 36	25 48	2 6	2 9	1 4	12 4	0 24	24 56	1 11	21 50	0 47	22 59	0 17	24 7	0 29	11 58	1 30	30 6	6 23	20 35	20 42	25 56			n.a.
S 18	7 0	23 21	0 56	1 32	1 21	11 48	0 30	24 58	1 13	21 49	0 47	23 0	0 17	24 7	0 29	11 57	1 30	30 6	6 23	20 35	20 43	25 55			n.a.
S 19	7 23	19 32	0s18	1 1	1 36	11 31	0 35	25 1	1 15	21 48	0 48	23 0	0 17	24 7	0 29	11 57	1 30	30 6	6 23	20 35	20 43	25 54			n.a.
M20	7 46	14 39	1 30	0 36	1 48	11 14	0 41	25 3	1 18	21 47	0 48	23 1	0 17	24 7	0 29	11 56	1 30	30 5	6 22	20 35	20 44	25 53			n.a.
T 21	8 10	9 5	2 36	0 17	2 0	10 56	0 46	25 5	1 20	21 46	0 48	23 1	0 17	24 7	0 29	11 55	1 30	30 5	6 22	20 36	20 45	25 52			n.a.
W22	8 33	3 9	3 32	0 5	2 9	10 38	0 51	25 8	1 22	21 45	0 48	23 2	0 16	24 7	0 29	11 55	1 30	30 5	6 22	20 37	20 45	25 51			n.a.
T 23	8 56	2s51	4 16	0n 1	2 16	10 20	0 56	25 10	1 24	21 44	0 49	23 2	0 16	24 7	0 29	11 54	1 30	30 5	6 22	20 39	20 46	25 50			n.a.
F 24	9 19	8 37	4 45	0 1	2 21	10 1	1 1	25 13	1 26	21 43	0 49	23 3	0 16	24 7	0 28	11 54	1 30	30 5	6 22	20 41	20 47	25 49			n.a.
S 25	9 42	13 56	4 59	0s 4	2 25	9 41	1 6	25 15	1 29	21 43	0 49	23 4	0 16	24 7	0 28	11 53	1 30	30 5	6 22	20 44	20 47	25 48			n.a.
S 26	10 4	18 32	4 57	0 14	2 28	9 21	1 11	25 17	1 31	21 42	0 49	23 4	0 16	24 7	0 28	11 53	1 30	30 5	6 22	20 47	20 48	25 47			n.a.
M27	10 27	22 13	4 40	0 28	2 29	9 1	1 15	25 20	1 33	21 41	0 50	23 5	0 16	24 7	0 28	11 52	1 30	30 5	6 22	20 50	20 49	25 46			n.a.
T 28	10 49	24 49	4 11	0 47	2 29	8 40	1 19	25 22	1 35	21 40	0 50	23 5	0 16	24 6	0 28	11 52	1 30	30 4	6 22	20 52	20 49	25 45			n.a.
W29	11 11	26 13	3 31	1 8	2 28	8 19	1 23	25 24	1 38	21 40	0 50	23 6	0 16	24 6	0 28	11 51	1 30	30 4	6 22	20 54	20 50	25 44			n.a.
T 30	11 33	26 23	2 42	1 32	2 26	7 58	1 27	25 27	1 40	21 39	0 50	23 6	0 16	24 6	0 28	11 51	1 30	30 4	6 22	20 55	20 50	25 43			n.a.
F 31	11s55	25s20	1s46	1s59	2n24	7n36	1n31	25n29	1n43	21n38	0n51	23s 7	0n16	24s 6	0s28	11n50	1n30	30s 4	6s21	20s56	20s51	25s42			n.a.

Julian Day Number = 1469308.5, Delta T = 05h32m24s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'23, Lahiri = -13°29'23 Julian Calendar 1 Oct. 691 BCE == Greg. Calendar 24 Sept. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

NOVEMBER 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 10 36	1♏47'56	18♉59	11♎31	15♍34	29♊32	28♋16	19♐45	6♉17	3♍19	4♉ 9	27°R36	27♉58	5♉ 7	n.a.	S 1
S 2	2 14 32	2°49'01	0♒49	12°40	16°40	29°37	28°19	19°50	6°19	3°21	4°10	27♉35	27°55	5°14	n.a.	S 2
M 3	2 18 29	3°50'07	12°48	13°53	17°46	29°41	28°23	19°56	6°21	3°22	4°12	27°35	27°52	5°21	n.a.	M 3
T 4	2 22 25	4°51'14	25° 2	15° 8	18°52	29°45	28°27	20° 2	6°23	3°23	4°13	27°34	27°48	5°27	n.a.	T 4
W 5	2 26 22	5°52'21	7♓35	16°25	19°58	29°47	28°30	20° 8	6°25	3°25	4°14	27°30	27°45	5°34	n.a.	W 5
T 6	2 30 19	6°53'29	20°32	17°44	21° 5	29°49	28°33	20°13	6°27	3°26	4°15	27°24	27°42	5°41	n.a.	T 6
F 7	2 34 15	7°54'37	3♈55	19° 5	22°12	29°50	28°36	20°19	6°29	3°27	4°16	27°15	27°39	5°47	n.a.	F 7
S 8	2 38 12	8°55'46	17°45	20°27	23°19	29°R51	28°39	20°25	6°31	3°28	4°17	27° 4	27°36	5°54	n.a.	S 8
S 9	2 42 8	9°56'56	1♉59	21°51	24°26	29°51	28°41	20°31	6°33	3°29	4°18	26°52	27°32	6° 1	n.a.	S 9
M10	2 46 5	10°58'06	16°31	23°16	25°34	29°49	28°44	20°37	6°36	3°30	4°20	26°40	27°29	6° 7	n.a.	M10
T 11	2 50 1	11°59'17	1♊14	24°41	26°42	29°48	28°46	20°43	6°38	3°32	4°21	26°30	27°26	6°14	n.a.	T 11
W12	2 53 58	13° 0'29	16° 0	26° 8	27°50	29°45	28°48	20°49	6°40	3°33	4°22	26°22	27°23	6°21	n.a.	W12
T 13	2 57 54	14° 1'41	0♋42	27°35	28°58	29°41	28°50	20°56	6°43	3°34	4°23	26°17	27°20	6°27	n.a.	T 13
F 14	3 1 51	15° 2'55	15°13	29° 3	0♎ 7	29°37	28°51	21° 2	6°45	3°35	4°25	26°15	27°17	6°34	n.a.	F 14
S 15	3 5 48	16° 4'09	29°30	0♏32	1°15	29°32	28°53	21° 8	6°48	3°36	4°26	26°D14	27°13	6°40	n.a.	S 15
S 16	3 9 44	17° 5'23	13♎32	2° 1	2°24	29°26	28°54	21°14	6°50	3°36	4°27	26°R15	27°10	6°47	n.a.	S 16
M17	3 13 41	18° 6'39	27°17	3°30	3°33	29°19	28°55	21°21	6°53	3°37	4°29	26°14	27° 7	6°54	n.a.	M17
T 18	3 17 37	19° 7'55	10♍48	5° 0	4°42	29°11	28°56	21°27	6°55	3°38	4°30	26°12	27° 4	7° 0	n.a.	T 18
W19	3 21 34	20° 9'11	24° 5	6°30	5°52	29° 3	28°57	21°34	6°58	3°39	4°31	26° 8	27° 1	7° 7	n.a.	W19
T 20	3 25 30	21°10'28	7♎10	8° 1	7° 1	28°53	28°57	21°40	7° 1	3°40	4°33	26° 0	26°58	7°14	n.a.	T 20
F 21	3 29 27	22°11'46	20° 2	9°32	8°11	28°43	28°57	21°47	7° 3	3°41	4°34	25°50	26°54	7°20	n.a.	F 21
S 22	3 33 23	23°13'03	2♏44	11° 3	9°21	28°32	28°R58	21°53	7° 6	3°41	4°36	25°39	26°51	7°27	n.a.	S 22
S 23	3 37 20	24°14'22	15°14	12°34	10°31	28°20	28°57	22° 0	7° 9	3°42	4°37	25°26	26°48	7°34	n.a.	S 23
M24	3 41 17	25°15'40	27°33	14° 6	11°41	28° 8	28°57	22° 7	7°12	3°43	4°39	25°15	26°45	7°40	n.a.	M24
T 25	3 45 13	26°16'58	9♐42	15°38	12°51	27°54	28°57	22°13	7°14	3°43	4°40	25° 4	26°42	7°47	n.a.	T 25
W26	3 49 10	27°18'17	21°42	17°11	14° 1	27°40	28°56	22°20	7°17	3°44	4°42	24°57	26°38	7°54	n.a.	W26
T 27	3 53 6	28°19'35	3♑34	18°43	15°12	27°25	28°55	22°27	7°20	3°45	4°43	24°51	26°35	8° 0	n.a.	T 27
F 28	3 57 3	29°20'53	15°21	20°17	16°22	27° 9	28°54	22°33	7°23	3°45	4°45	24°49	26°32	8° 7	n.a.	F 28
S 29	4 0 59	0♐22'11	27° 7	21°50	17°33	26°53	28°53	22°40	7°26	3°46	4°46	24°D48	26°29	8°14	n.a.	S 29
S 30	4 4 56	1♐23'28	8♒55	23♏24	18♎44	26♊36	28♋51	22♐47	7♑29	3♍46	4♑48	24♑49	26♑26	8♑20	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s16	23s10	0s45	2s28	2n20	7n13	1n35	25n32	1n45	21n38	0n51	23s 7	0n15	24s 6	0s28	11n50	1n30	30s 4	6s21	20s56	20s52	25s41		n.a.
S 2	12 37	19 59	0n17	2 59	2 16	6 51	1 39	25 34	1 48	21 37	0 51	23 8	0 15	24 6	0 28	11 49	1 30	30 4	6 21	20 56	20 52	25 40		n.a.
M 3	12 58	15 56	1 20	3 32	2 12	6 28	1 42	25 37	1 50	21 37	0 51	23 8	0 15	24 6	0 28	11 49	1 30	30 4	6 21	20 56	20 53	25 39		n.a.
T 4	13 19	11 10	2 20	4 6	2 7	6 5	1 45	25 39	1 53	21 36	0 52	23 9	0 15	24 6	0 28	11 48	1 30	30 4	6 21	20 57	20 54	25 37		n.a.
W 5	13 40	5 50	3 15	4 41	2 1	5 41	1 48	25 42	1 55	21 36	0 52	23 9	0 15	24 6	0 28	11 48	1 31	30 3	6 21	20 57	20 54	25 36		n.a.
T 6	14 0	0 6	4 2	5 17	1 56	5 17	1 51	25 44	1 58	21 36	0 52	23 10	0 15	24 5	0 28	11 48	1 31	30 3	6 21	20 59	20 55	25 35		n.a.
F 7	14 21	5n48	4 37	5 53	1 50	4 53	1 54	25 47	2 0	21 35	0 52	23 10	0 15	24 5	0 28	11 47	1 31	30 3	6 21	21 0	20 56	25 34		n.a.
S 8	14 41	11 37	4 57	6 30	1 43	4 28	1 57	25 50	2 3	21 35	0 53	23 11	0 15	24 5	0 28	11 47	1 31	30 3	6 21	21 3	20 56	25 33		n.a.
S 9	15 0	17 0	5 0	7 8	1 37	4 4	2 0	25 52	2 5	21 35	0 53	23 11	0 15	24 5	0 28	11 47	1 31	30 3	6 21	21 5	20 57	25 32		n.a.
M10	15 20	21 32	4 43	7 46	1 30	3 39	2 2	25 55	2 8	21 34	0 53	23 12	0 15	24 5	0 28	11 46	1 31	30 3	6 21	21 7	20 58	25 31		n.a.
T 11	15 39	24 45	4 8	8 24	1 24	3 14	2 4	25 57	2 11	21 34	0 53	23 12	0 15	24 5	0 28	11 46	1 31	30 3	6 21	21 9	20 58	25 30		n.a.
W12	15 58	26 17	3 16	9 3	1 17	2 48	2 6	26 0	2 13	21 34	0 54	23 13	0 14	24 5	0 28	11 45	1 31	30 3	6 21	21 11	20 59	25 28		n.a.
T 13	16 16	25 58	2 11	9 41	1 10	2 22	2 8	26 3	2 16	21 34	0 54	23 14	0 14	24 5	0 28	11 45	1 31	30 3	6 20	21 12	20 59	25 27		n.a.
F 14	16 35	23 52	0 58	10 19	1 3	1 57	2 10	26 5	2 19	21 34	0 54	23 14	0 14	24 4	0 28	11 45	1 31	30 2	6 20	21 12	21 0	25 26		n.a.
S 15	16 53	20 16	0s17	10 57	0 55	1 30	2 12	26 8	2 21	21 34	0 55	23 15	0 14	24 4	0 28	11 45	1 31	30 2	6 20	21 12	21 1	25 25		n.a.
S 16	17 11	15 33	1 31	11 35	0 48	1 4	2 14	26 11	2 24	21 34	0 55	23 15	0 14	24 4	0 28	11 44	1 31	30 2	6 20	21 12	21 1	25 24		n.a.
M17	17 28	10 8	2 37	12 13	0 41	0 38	2 15	26 13	2 27	21 34	0 55	23 16	0 14	24 4	0 28	11 44	1 31	30 2	6 20	21 12	21 2	25 23		n.a.
T 18	17 45	4 20	3 34	12 50	0 34	0 11	2 16	26 16	2 30	21 34	0 55	23 16	0 14	24 4	0 28	11 44	1 31	30 2	6 20	21 13	21 3	25 21		n.a.
W19	18 2	1s33	4 18	13 27	0 27	0s15	2 18	26 19	2 32	21 34	0 56	23 17	0 14	24 4	0 28	11 43	1 31	30 2	6 20	21 13	21 3	25 20		n.a.
T 20	18 18	7 16	4 47	14 4	0 20	0 42	2 19	26 21	2 35	21 34	0 56	23 17	0 14	24 4	0 28	11 43	1 31	30 2	6 20	21 15	21 4	25 19		n.a.
F 21	18 35	12 35	5 2	14 40	0 13	1 9	2 20	26 24	2 38	21 34	0 56	23 18	0 14	24 3	0 28	11 43	1 31	30 2	6 20	21 17	21 4	25 18		n.a.
S 22	18 50	17 17	5 1	15 16	0 6	1 36	2 21	26 27	2 40	21 35	0 56	23 18	0 14	24 3	0 28	11 43	1 31	30 2	6 20	21 19	21 5	25 17		n.a.
S 23	19 6	21 11	4 46	15 51	0s 1	2 3	2 21	26 29	2 43	21 35	0 57	23 19	0 13	24 3	0 28	11 43	1 32	30 2	6 20	21 21	21 6	25 15		n.a.
M24	19 21	24 4	4 17	16 25	0 8	2 30	2 22	26 32	2 46	21 35	0 57	23 19	0 13	24 3	0 28	11 42	1 32	30 1	6 20	21 23	21 6	25 14		n.a.
T 25	19 36	25 48	3 37	16 59	0 15	2 58	2 22	26 34	2 49	21 36	0 57	23 20	0 13	24 3	0 28	11 42	1 32	30 1	6 20	21 25	21 7	25 13		n.a.
W26	19 50	26 18	2 48	17 33	0 21	3 25	2 23	26 37	2 51	21 36	0 58	23 20	0 13	24 3	0 28	11 42	1 32	30 1	6 20	21 27	21 8	25 12		n.a.
T 27	20 4	25 35	1 52	18 5	0 28	3 52	2 23	26 39	2 54	21 37	0 58	23 21	0 13	24 2	0 28	11 42	1 32	30 1	6 20	21 28	21 8	25 10		n.a.
F 28	20 18	23 43	0 51	18 37	0 34	4 19	2 23	26 41	2 56	21 37	0 58	23 21	0 13	24 2	0 28	11 42	1 32	30 1	6 20	21 28	21 9	25 9		n.a.
S 29	20 31	20 50	0n12	19 8	0 40	4 47	2 23	26 43	2 59	21 38	0 58	23 21	0 13	24 2	0 28	11 42	1 32	30 1	6 20	21 28	21 9	25 8		n.a.
S 30	20s44	17s 4	1n15	19s38	0s47	5s14	2n23	26n46	3n 2	21n38	0n59	23s22	0n13	24s 2	0s28	11n41	1n32	30s 1	6s20	21s28	21s10	25s 7		n.a.

Julian Day Number = 1469339.5, Delta T = 05h32m22s
Ecliptic obliquity = 23°46'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'19, Lahiri = -13°29'19 Julian Calendar 1 Nov. 691 BCE == Greg. Calendar 25 Oct. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 691 BCE
geocentric

DECEMBER 691 BCE (-690) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 8 53	2♐24'45	20♒52	24♏58	19♎55	26°R18	28°R49	22♐54	7♑32	3♍46	4♑49	24♑50	26♑23	8♑27	n.a.	M 1
T 2	4 12 49	3°26'02	3♓ 3	26°32	21° 6	25♊59	28♋47	23° 1	7°35	3°47	4°51	24°R51	26°19	8°34	n.a.	T 2
W 3	4 16 46	4°27'18	15°32	28° 7	22°17	25°40	28°45	23° 8	7°38	3°47	4°53	24°50	26°16	8°40	n.a.	W 3
T 4	4 20 42	5°28'33	28°24	29°42	23°28	25°21	28°43	23°15	7°41	3°48	4°54	24°47	26°13	8°47	n.a.	T 4
F 5	4 24 39	6°29'48	11♈44	1♐17	24°39	25° 0	28°41	23°22	7°44	3°48	4°56	24°43	26°10	8°54	n.a.	F 5
S 6	4 28 35	7°31'02	25°33	2°53	25°51	24°40	28°38	23°29	7°47	3°48	4°58	24°36	26° 7	9° 0	n.a.	S 6
S 7	4 32 32	8°32'15	9♉51	4°30	27° 2	24°18	28°35	23°36	7°50	3°48	4°59	24°29	26° 4	9° 7	n.a.	S 7
M 8	4 36 28	9°33'28	24°32	6° 6	28°14	23°56	28°32	23°43	7°54	3°49	5° 1	24°21	26° 0	9°14	n.a.	M 8
T 9	4 40 25	10°34'41	9♊31	7°44	29°25	23°34	28°29	23°50	7°57	3°49	5° 3	24°14	25°57	9°20	n.a.	T 9
W10	4 44 22	11°35'53	24°38	9°21	0♏37	23°12	28°26	23°57	8° 0	3°49	5° 4	24°10	25°54	9°27	n.a.	W10
T 11	4 48 18	12°37'04	9♋44	10°59	1°49	22°49	28°22	24° 4	8° 3	3°49	5° 6	24° 7	25°51	9°33	n.a.	T 11
F 12	4 52 15	13°38'15	24°39	12°38	3° 1	22°26	28°18	24°11	8° 6	3°49	5° 8	24°D 6	25°48	9°40	n.a.	F 12
S 13	4 56 11	14°39'26	9♌17	14°17	4°13	22° 2	28°14	24°18	8°10	3°R49	5°10	24° 7	25°44	9°47	n.a.	S 13
S 14	5 0 8	15°40'36	23°34	15°57	5°25	21°38	28°10	24°25	8°13	3°49	5°11	24° 8	25°41	9°53	n.a.	S 14
M15	5 4 4	16°41'45	7♍29	17°37	6°37	21°15	28° 6	24°32	8°16	3°49	5°13	24° 9	25°38	10° 0	n.a.	M15
T 16	5 8 1	17°42'54	21° 1	19°18	7°49	20°51	28° 2	24°40	8°20	3°49	5°15	24°R10	25°35	10° 7	n.a.	T 16
W17	5 11 58	18°44'03	4♎12	20°59	9° 1	20°26	27°57	24°47	8°23	3°49	5°17	24° 8	25°32	10°13	n.a.	W17
T 18	5 15 54	19°45'11	17° 6	22°41	10°13	20° 2	27°52	24°54	8°26	3°49	5°18	24° 6	25°29	10°20	n.a.	T 18
F 19	5 19 51	20°46'18	29°44	24°23	11°26	19°38	27°47	25° 1	8°30	3°48	5°20	24° 1	25°25	10°27	n.a.	F 19
S 20	5 23 47	21°47'25	12♏ 9	26° 6	12°38	19°14	27°42	25° 8	8°33	3°48	5°22	23°56	25°22	10°33	n.a.	S 20
S 21	5 27 44	22°48'31	24°24	27°50	13°51	18°50	27°37	25°15	8°36	3°48	5°24	23°50	25°19	10°40	n.a.	S 21
M22	5 31 40	23°49'36	6♐29	29°34	15° 3	18°26	27°32	25°23	8°40	3°48	5°26	23°44	25°16	10°47	n.a.	M22
T 23	5 35 37	24°50'40	18°27	1♑18	16°16	18° 3	27°26	25°30	8°43	3°47	5°27	23°39	25°13	10°53	n.a.	T 23
W24	5 39 33	25°51'44	0♑19	3° 3	17°28	17°40	27°20	25°37	8°47	3°47	5°29	23°36	25°10	11° 0	n.a.	W24
T 25	5 43 30	26°52'46	12° 7	4°48	18°41	17°17	27°14	25°44	8°50	3°47	5°31	23°34	25° 6	11° 7	n.a.	T 25
F 26	5 47 27	27°53'47	23°54	6°33	19°54	16°54	27° 8	25°51	8°53	3°46	5°33	23°D33	25° 3	11°13	n.a.	F 26
S 27	5 51 23	28°54'46	5♒42	8°18	21° 6	16°32	27° 2	25°59	8°57	3°46	5°35	23°33	25° 0	11°20	n.a.	S 27
S 28	5 55 20	29°55'44	17°33	10° 4	22°19	16°10	26°56	26° 6	9° 0	3°45	5°37	23°35	24°57	11°27	n.a.	S 28
M29	5 59 16	0♑56'41	29°32	11°49	23°32	15°48	26°50	26°13	9° 4	3°45	5°38	23°37	24°54	11°33	n.a.	M29
T 30	6 3 13	1°57'36	11♓43	13°34	24°45	15°28	26°43	26°20	9° 7	3°44	5°40	23°38	24°50	11°40	n.a.	T 30
W31	6 7 9	2♑58'30	24♓ 9	15♑18	25♏57	15♊ 7	26♋37	26♐27	9♑11	3♍43	5♑42	23♑39	24♑47	11♑47	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	20s56	12s36	2n16	20s 8	0s53	5s41	2n23	26n48	3n 4	21n39	0n59	23s22	0n13	24s 2	0s28	11n41	1n32	30s 1	6s20	21s28	21s11	25s 5			n.a.
T 2	21 8	7 34	3 11	20 36	0 58	6 8	2 23	26 50	3 7	21 40	0 59	23 23	0 13	24 2	0 28	11 41	1 32	30 1	6 20	21 28	21 11	25 4			n.a.
W 3	21 20	2 7	3 59	21 4	1 4	6 36	2 22	26 51	3 9	21 40	0 59	23 23	0 13	24 1	0 28	11 41	1 32	30 1	6 20	21 28	21 12	25 3			n.a.
T 4	21 31	3n35	4 37	21 30	1 9	7 3	2 22	26 53	3 11	21 41	1 0	23 24	0 13	24 1	0 28	11 41	1 32	30 1	6 20	21 28	21 12	25 2			n.a.
F 5	21 42	9 18	5 1	21 56	1 15	7 30	2 21	26 55	3 14	21 42	1 0	23 24	0 12	24 1	0 28	11 41	1 32	30 0	6 20	21 29	21 13	25 0			n.a.
S 6	21 52	14 47	5 8	22 20	1 20	7 57	2 21	26 56	3 16	21 43	1 0	23 25	0 12	24 1	0 28	11 41	1 32	30 0	6 20	21 30	21 14	24 59			n.a.
S 7	22 2	19 40	4 58	22 44	1 25	8 23	2 20	26 57	3 18	21 43	1 1	23 25	0 12	24 1	0 28	11 41	1 32	30 0	6 20	21 32	21 14	24 58			n.a.
M 8	22 12	23 29	4 27	23 6	1 29	8 50	2 19	26 58	3 20	21 44	1 1	23 25	0 12	24 0	0 28	11 41	1 32	30 0	6 20	21 33	21 15	24 56			n.a.
T 9	22 21	25 47	3 38	23 27	1 34	9 17	2 18	26 59	3 22	21 45	1 1	23 26	0 12	24 0	0 28	11 41	1 32	30 0	6 20	21 34	21 15	24 55			n.a.
W10	22 30	26 13	2 33	23 47	1 38	9 43	2 17	27 0	3 24	21 46	1 1	23 26	0 12	24 0	0 28	11 41	1 33	30 0	6 20	21 35	21 16	24 54			n.a.
T 11	22 38	24 42	1 17	24 5	1 42	10 9	2 16	27 1	3 26	21 47	1 2	23 27	0 12	24 0	0 28	11 41	1 33	30 0	6 20	21 36	21 17	24 52			n.a.
F 12	22 46	21 27	0s 3	24 22	1 45	10 35	2 14	27 1	3 28	21 48	1 2	23 27	0 12	24 0	0 28	11 41	1 33	30 0	6 20	21 36	21 17	24 51			n.a.
S 13	22 53	16 52	1 22	24 38	1 48	11 1	2 13	27 2	3 30	21 49	1 2	23 27	0 12	23 59	0 28	11 41	1 33	30 0	6 20	21 36	21 18	24 50			n.a.
S 14	23 0	11 26	2 34	24 52	1 51	11 27	2 11	27 2	3 32	21 50	1 2	23 28	0 12	23 59	0 28	11 41	1 33	30 0	6 20	21 35	21 18	24 48			n.a.
M15	23 6	5 34	3 34	25 5	1 54	11 52	2 10	27 2	3 33	21 51	1 3	23 28	0 12	23 59	0 28	11 41	1 33	30 0	6 20	21 35	21 19	24 47			n.a.
T 16	23 12	0s23	4 21	25 16	1 56	12 17	2 8	27 2	3 35	21 53	1 3	23 29	0 12	23 59	0 28	11 41	1 33	30 0	6 20	21 35	21 20	24 46			n.a.
W17	23 18	6 10	4 53	25 26	1 58	12 42	2 7	27 1	3 36	21 54	1 3	23 29	0 12	23 59	0 28	11 41	1 33	30 0	6 20	21 35	21 20	24 44			n.a.
T 18	23 23	11 34	5 10	25 34	2 0	13 7	2 5	27 1	3 38	21 55	1 3	23 29	0 11	23 58	0 28	11 42	1 33	30 0	6 20	21 36	21 21	24 43			n.a.
F 19	23 27	16 22	5 10	25 40	2 1	13 32	2 3	27 0	3 39	21 56	1 4	23 30	0 11	23 58	0 28	11 42	1 33	30 0	6 20	21 37	21 21	24 41			n.a.
S 20	23 31	20 23	4 56	25 45	2 2	13 56	2 1	27 0	3 40	21 58	1 4	23 30	0 11	23 58	0 28	11 42	1 33	29 59	6 20	21 38	21 22	24 40			n.a.
S 21	23 35	23 29	4 29	25 48	2 2	14 19	1 59	26 59	3 41	21 59	1 4	23 30	0 11	23 58	0 28	11 42	1 33	29 59	6 20	21 39	21 23	24 39			n.a.
M22	23 38	25 28	3 50	25 49	2 2	14 43	1 57	26 57	3 42	22 0	1 4	23 31	0 11	23 57	0 28	11 42	1 33	29 59	6 20	21 40	21 23	24 37			n.a.
T 23	23 41	26 16	3 1	25 48	2 1	15 6	1 55	26 56	3 43	22 2	1 5	23 31	0 11	23 57	0 28	11 42	1 33	29 59	6 20	21 40	21 24	24 36			n.a.
W24	23 43	25 51	2 4	25 45	2 0	15 29	1 53	26 55	3 44	22 3	1 5	23 31	0 11	23 57	0 28	11 43	1 33	29 59	6 20	21 41	21 24	24 34			n.a.
T 25	23 45	24 15	1 2	25 40	1 59	15 51	1 51	26 53	3 45	22 4	1 5	23 32	0 11	23 57	0 28	11 43	1 33	29 59	6 20	21 41	21 25	24 33			n.a.
F 26	23 46	21 36	0n 2	25 33	1 56	16 14	1 48	26 51	3 45	22 6	1 5	23 32	0 11	23 56	0 28	11 43	1 34	29 59	6 20	21 42	21 25	24 32			n.a.
S 27	23 46	18 2	1 6	25 24	1 53	16 35	1 46	26 50	3 46	22 7	1 6	23 32	0 11	23 56	0 28	11 43	1 34	29 59	6 20	21 41	21 26	24 30			n.a.
S 28	23 47	13 45	2 9	25 13	1 50	16 57	1 44	26 48	3 46	22 9	1 6	23 33	0 11	23 56	0 28	11 43	1 34	29 59	6 20	21 41	21 27	24 29			n.a.
M29	23 47	8 54	3 6	25 0	1 46	17 17	1 41	26 46	3 47	22 10	1 6	23 33	0 11	23 56	0 28	11 44	1 34	29 59	6 20	21 41	21 27	24 27			n.a.
T 30	23 46	3 39	3 56	24 45	1 41	17 38	1 39	26 44	3 47	22 12	1 6	23 33	0 11	23 56	0 28	11 44	1 34	29 59	6 20	21 41	21 28	24 26			n.a.
W31	23s45	1n51	4n36	24s28	1s35	17s58	1n36	26n42	3n47	22n13	1n 6	23s33	0n10	23s55	0s28	11n44	1n34	29s59	6s20	21s40	21s28	24s24			n.a.

Julian Day Number = 1469369.5, Delta T = 05h32m21s
Ecliptic obliquity = 23°46'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'15, Lahiri = -13°29'14 Julian Calendar 1 Dec. 691 BCE == Greg. Calendar 24 Nov. 691 BCE

The year -690 astronomical counting style corresponds to year 691 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

JANUARY 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 11 6	3♑59'22	6♈57	17♑ 2	27♏10	14°R47	26°R30	26♐34	9♑14	3°R43	5♑44	23°R40	24♑44	11♑53	n.a.	T 1
F 2	6 15 3	5° 0'12	20° 8	18°44	28°23	14♊28	26♋23	26°42	9°18	3♍42	5°46	23♑39	24°41	12° 0	n.a.	F 2
S 3	6 18 59	6° 1'01	3♉47	20°26	29°36	14°10	26°16	26°49	9°21	3°42	5°48	23°37	24°38	12° 6	n.a.	S 3
S 4	6 22 56	7° 1'48	17°54	22° 5	0♐49	13°52	26° 9	26°56	9°25	3°41	5°50	23°35	24°35	12°13	n.a.	S 4
M 5	6 26 52	8° 2'34	2♊27	23°43	2° 2	13°35	26° 2	27° 3	9°28	3°40	5°51	23°33	24°31	12°20	n.a.	M 5
T 6	6 30 49	9° 3'17	17°23	25°17	3°15	13°18	25°55	27°10	9°32	3°39	5°53	23°31	24°28	12°26	n.a.	T 6
W 7	6 34 45	10° 4'00	2♋33	26°49	4°28	13° 2	25°47	27°17	9°35	3°39	5°55	23°30	24°25	12°33	n.a.	W 7
T 8	6 38 42	11° 4'40	17°48	28°16	5°41	12°47	25°40	27°24	9°39	3°38	5°57	23°D29	24°22	12°40	n.a.	T 8
F 9	6 42 38	12° 5'19	2♌59	29°39	6°54	12°33	25°33	27°31	9°42	3°37	5°59	23°30	24°19	12°46	n.a.	F 9
S 10	6 46 35	13° 5'57	17°55	0♒57	8° 8	12°19	25°25	27°38	9°46	3°36	6° 1	23°30	24°16	12°53	n.a.	S 10
S 11	6 50 32	14° 6'33	2♍31	2°10	9°21	12° 6	25°17	27°45	9°49	3°35	6° 2	23°31	24°12	13° 0	n.a.	S 11
M12	6 54 28	15° 7'08	16°41	3°15	10°34	11°54	25°10	27°52	9°53	3°34	6° 4	23°32	24° 9	13° 6	n.a.	M12
T 13	6 58 25	16° 7'41	0♎25	4°14	11°47	11°43	25° 2	27°59	9°56	3°33	6° 6	23°32	24° 6	13°13	n.a.	T 13
W14	7 2 21	17° 8'13	13°42	5° 4	13° 0	11°32	24°54	28° 6	10° 0	3°32	6° 8	23°R33	24° 3	13°20	n.a.	W14
T 15	7 6 18	18° 8'43	26°36	5°46	14°13	11°23	24°47	28°13	10° 3	3°31	6°10	23°33	24° 0	13°26	n.a.	T 15
F 16	7 10 14	19° 9'12	9♏10	6°19	15°27	11°14	24°39	28°20	10° 7	3°30	6°11	23°32	23°56	13°33	n.a.	F 16
S 17	7 14 11	20° 9'39	21°28	6°42	16°40	11° 6	24°31	28°27	10°10	3°29	6°13	23°32	23°53	13°40	n.a.	S 17
S 18	7 18 7	21°10'05	3♐33	6°56	17°53	10°58	24°23	28°34	10°13	3°28	6°15	23°31	23°50	13°46	n.a.	S 18
M19	7 22 4	22°10'30	15°29	6°R59	19° 7	10°52	24°15	28°40	10°17	3°27	6°17	23°31	23°47	13°53	n.a.	M19
T 20	7 26 1	23°10'52	27°19	6°52	20°20	10°46	24° 7	28°47	10°20	3°26	6°19	23°D31	23°44	13°59	n.a.	T 20
W21	7 29 57	24°11'13	9♑ 6	6°36	21°33	10°41	23°59	28°54	10°24	3°25	6°20	23°31	23°41	14° 6	n.a.	W21
T 22	7 33 54	25°11'32	20°53	6°10	22°47	10°37	23°51	29° 1	10°27	3°23	6°22	23°R31	23°37	14°13	n.a.	T 22
F 23	7 37 50	26°11'50	2♒42	5°35	24° 0	10°33	23°44	29° 7	10°31	3°22	6°24	23°31	23°34	14°19	n.a.	F 23
S 24	7 41 47	27°12'05	14°35	4°52	25°13	10°31	23°36	29°14	10°34	3°21	6°26	23°31	23°31	14°26	n.a.	S 24
S 25	7 45 43	28°12'18	26°34	4° 3	26°27	10°29	23°28	29°21	10°37	3°20	6°27	23°30	23°28	14°33	n.a.	S 25
M26	7 49 40	29°12'29	8♓42	3° 8	27°40	10°28	23°20	29°27	10°41	3°18	6°29	23°30	23°25	14°39	n.a.	M26
T 27	7 53 36	0♒12'38	21° 0	2° 9	28°53	10°D27	23°12	29°34	10°44	3°17	6°31	23°29	23°22	14°46	n.a.	T 27
W28	7 57 33	1°12'45	3♈32	1° 8	0♑ 7	10°28	23° 4	29°40	10°47	3°16	6°33	23°28	23°18	14°53	n.a.	W28
T 29	8 1 30	2°12'49	16°21	0° 6	1°20	10°29	22°57	29°47	10°51	3°14	6°34	23°27	23°15	14°59	n.a.	T 29
F 30	8 5 26	3°12'51	29°29	29♑ 4	2°33	10°31	22°49	29°53	10°54	3°13	6°36	23°D27	23°12	15° 6	n.a.	F 30
S 31	8 9 23	4♒12'51	12♉58	28♑ 4	3♑47	10♊33	22♋41	29♐59	10♑57	3♍12	6♑38	23♑27	23♑ 9	15♑13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s43	7n25	5n 3	24 s 9	1 s29	18 s17	1n33	26n39	3n47	22n15	1n 7	23 s34	0n10	23 s55	0 s28	11n44	1n34	29 s59	6 s20	21 s40	21 s29	24 s23			n.a.
F 2	23 41	12 50	5 16	23 48	1 22	18 37	1 31	26 37	3 47	22 16	1 7	23 34	0 10	23 55	0 28	11 45	1 34	29 59	6 20	21 41	21 30	24 21			n.a.
S 3	23 38	17 49	5 11	23 25	1 14	18 55	1 28	26 35	3 47	22 18	1 7	23 34	0 10	23 55	0 28	11 45	1 34	29 59	6 20	21 41	21 30	24 20			n.a.
S 4	23 35	22 1	4 49	23 1	1 5	19 13	1 25	26 32	3 47	22 19	1 7	23 34	0 10	23 54	0 28	11 45	1 34	29 59	6 20	21 41	21 31	24 18			n.a.
M 5	23 32	24 58	4 7	22 35	0 56	19 31	1 23	26 30	3 47	22 21	1 7	23 35	0 10	23 54	0 28	11 46	1 34	29 59	6 21	21 42	21 31	24 17			n.a.
T 6	23 28	26 17	3 7	22 8	0 45	19 48	1 20	26 28	3 46	22 22	1 8	23 35	0 10	23 54	0 28	11 46	1 34	29 59	6 21	21 42	21 32	24 15			n.a.
W 7	23 23	25 39	1 54	21 39	0 34	20 5	1 17	26 25	3 46	22 24	1 8	23 35	0 10	23 54	0 28	11 46	1 34	29 59	6 21	21 42	21 32	24 14			n.a.
T 8	23 19	23 6	0 32	21 10	0 22	20 21	1 14	26 23	3 45	22 25	1 8	23 35	0 10	23 53	0 28	11 47	1 34	29 59	6 21	21 42	21 33	24 12			n.a.
F 9	23 13	18 55	0 s52	20 40	0 9	20 36	1 11	26 20	3 45	22 27	1 8	23 36	0 10	23 53	0 28	11 47	1 34	29 59	6 21	21 42	21 34	24 11			n.a.
S 10	23 7	13 36	2 12	20 9	0n 4	20 51	1 8	26 18	3 44	22 29	1 8	23 36	0 10	23 53	0 28	11 47	1 34	29 59	6 21	21 42	21 34	24 9			n.a.
S 11	23 1	7 37	3 20	19 39	0 19	21 5	1 5	26 15	3 44	22 30	1 8	23 36	0 10	23 53	0 28	11 48	1 34	29 59	6 21	21 42	21 35	24 8			n.a.
M12	22 55	1 26	4 15	19 9	0 34	21 19	1 2	26 13	3 43	22 32	1 9	23 36	0 10	23 52	0 28	11 48	1 34	29 59	6 21	21 42	21 35	24 6			n.a.
T 13	22 47	4 s37	4 52	18 40	0 49	21 32	0 59	26 11	3 42	22 33	1 9	23 36	0 10	23 52	0 28	11 49	1 34	29 59	6 21	21 42	21 36	24 5			n.a.
W14	22 40	10 17	5 13	18 13	1 5	21 45	0 56	26 9	3 42	22 35	1 9	23 36	0 9	23 52	0 28	11 49	1 35	29 59	6 21	21 42	21 36	24 3			n.a.
T 15	22 32	15 19	5 17	17 46	1 22	21 57	0 53	26 6	3 41	22 36	1 9	23 37	0 9	23 52	0 28	11 49	1 35	29 59	6 21	21 42	21 37	24 2			n.a.
F 16	22 23	19 35	5 6	17 22	1 38	22 8	0 50	26 4	3 40	22 38	1 9	23 37	0 9	23 51	0 28	11 50	1 35	29 59	6 22	21 42	21 37	24 0			n.a.
S 17	22 14	22 54	4 41	17 0	1 55	22 19	0 47	26 2	3 39	22 40	1 9	23 37	0 9	23 51	0 28	11 50	1 35	29 59	6 22	21 42	21 38	23 59			n.a.
S 18	22 5	25 9	4 4	16 41	2 11	22 29	0 44	26 0	3 38	22 41	1 10	23 37	0 9	23 51	0 28	11 51	1 35	29 59	6 22	21 42	21 39	23 57			n.a.
M19	21 55	26 14	3 16	16 25	2 27	22 38	0 41	25 58	3 37	22 43	1 10	23 37	0 9	23 51	0 28	11 51	1 35	29 59	6 22	21 42	21 39	23 56			n.a.
T 20	21 45	26 6	2 21	16 12	2 42	22 47	0 38	25 56	3 36	22 44	1 10	23 37	0 9	23 50	0 28	11 52	1 35	29 59	6 22	21 42	21 40	23 54			n.a.
W21	21 35	24 47	1 19	16 2	2 57	22 55	0 35	25 54	3 35	22 46	1 10	23 38	0 9	23 50	0 28	11 52	1 35	29 59	6 22	21 42	21 40	23 52			n.a.
T 22	21 24	22 22	0 15	15 56	3 10	23 3	0 32	25 53	3 34	22 47	1 10	23 38	0 9	23 50	0 28	11 53	1 35	29 59	6 22	21 42	21 41	23 51			n.a.
F 23	21 13	19 0	0n51	15 53	3 22	23 9	0 29	25 51	3 33	22 49	1 10	23 38	0 9	23 49	0 28	11 53	1 35	29 59	6 22	21 42	21 41	23 49			n.a.
S 24	21 1	14 52	1 55	15 54	3 32	23 15	0 26	25 50	3 32	22 50	1 10	23 38	0 9	23 49	0 28	11 54	1 35	29 59	6 23	21 42	21 42	23 48			n.a.
S 25	20 49	10 7	2 54	15 57	3 40	23 21	0 23	25 48	3 30	22 52	1 10	23 38	0 9	23 49	0 28	11 54	1 35	29 59	6 23	21 42	21 42	23 46			n.a.
M26	20 36	4 56	3 46	16 4	3 46	23 26	0 20	25 47	3 29	22 53	1 10	23 38	0 9	23 49	0 28	11 55	1 35	29 59	6 23	21 42	21 43	23 44			n.a.
T 27	20 24	0n29	4 28	16 13	3 51	23 30	0 17	25 46	3 28	22 55	1 10	23 38	0 9	23 48	0 28	11 55	1 35	29 59	6 23	21 42	21 44	23 43			n.a.
W28	20 10	5 59	4 59	16 25	3 53	23 33	0 14	25 45	3 27	22 56	1 11	23 38	0 8	23 48	0 28	11 56	1 35	29 59	6 23	21 42	21 44	23 41			n.a.
T 29	19 57	11 21	5 15	16 38	3 52	23 35	0 11	25 44	3 26	22 57	1 11	23 38	0 8	23 48	0 28	11 56	1 35	29 59	6 23	21 43	21 45	23 40			n.a.
F 30	19 43	16 21	5 16	16 53	3 50	23 37	0 8	25 43	3 24	22 59	1 11	23 38	0 8	23 48	0 28	11 57	1 35	30 0	6 23	21 43	21 45	23 38			n.a.
S 31	19 s29	20n42	4n59	17 s 9	3n46	23 s38	0n 5	25n42	3n23	23n 0	1n11	23 s38	0n 8	23 s47	0 s28	11n57	1n35	30 s 0	6 s23	21 s43	21 s46	23 s36			n.a.

Julian Day Number = 1469400.5, Delta T = 05h32m19s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'11, Lahiri = -13°29'10 Julian Calendar 1 Jan. 690 BCE == Greg. Calendar 25 Dec. 691 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

FEBRUARY 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 13 19	5♒12'49	26♉51	27°R 6	5♑ 0	10♊37	22°R34	0♑ 6	11♑ 0	3°R10	6♑39	23♑28	23♑ 6	15♑19	n.a.	S 1
M 2	8 17 16	6°12'44	11♊ 8	26♑13	6°14	10°41	22♋26	0°12	11° 4	3♍ 9	6°41	23°29	23° 2	15°26	n.a.	M 2
T 3	8 21 12	7°12'37	25°46	25°25	7°27	10°45	22°19	0°18	11° 7	3° 7	6°43	23°30	22°59	15°33	n.a.	T 3
W 4	8 25 9	8°12'28	10♋41	24°42	8°40	10°51	22°11	0°25	11°10	3° 6	6°44	23°30	22°56	15°39	n.a.	W 4
T 5	8 29 5	9°12'17	25°46	24° 6	9°54	10°57	22° 4	0°31	11°13	3° 5	6°46	23°R31	22°53	15°46	n.a.	T 5
F 6	8 33 2	10°12'03	10♌54	23°35	11° 7	11° 3	21°57	0°37	11°17	3° 3	6°47	23°30	22°50	15°53	n.a.	F 6
S 7	8 36 59	11°11'47	25°54	23°12	12°21	11°11	21°50	0°43	11°20	3° 2	6°49	23°29	22°47	15°59	n.a.	S 7
S 8	8 40 55	12°11'29	10♍38	22°54	13°34	11°19	21°43	0°49	11°23	3° 0	6°51	23°27	22°43	16° 6	n.a.	S 8
M 9	8 44 52	13°11'09	24°59	22°44	14°48	11°27	21°36	0°55	11°26	2°59	6°52	23°24	22°40	16°12	n.a.	M 9
T 10	8 48 48	14°10'47	8♎54	22°D39	16° 1	11°36	21°29	1° 1	11°29	2°57	6°54	23°21	22°37	16°19	n.a.	T 10
W11	8 52 45	15°10'23	22°21	22°41	17°14	11°46	21°22	1° 7	11°32	2°55	6°55	23°19	22°34	16°26	n.a.	W11
T 12	8 56 41	16° 9'57	5♏22	22°48	18°28	11°56	21°16	1°13	11°35	2°54	6°57	23°17	22°31	16°32	n.a.	T 12
F 13	9 0 38	17° 9'30	17°59	23° 1	19°41	12° 7	21° 9	1°18	11°38	2°52	6°58	23°D17	22°28	16°39	n.a.	F 13
S 14	9 4 34	18° 9'01	0♐16	23°19	20°55	12°18	21° 3	1°24	11°41	2°51	7° 0	23°17	22°24	16°46	n.a.	S 14
S 15	9 8 31	19° 8'29	12°19	23°43	22° 8	12°30	20°57	1°30	11°44	2°49	7° 1	23°19	22°21	16°52	n.a.	S 15
M16	9 12 27	20° 7'56	24°12	24°11	23°22	12°42	20°50	1°35	11°47	2°48	7° 3	23°21	22°18	16°59	n.a.	M16
T 17	9 16 24	21° 7'21	5♑59	24°43	24°35	12°55	20°44	1°41	11°50	2°46	7° 4	23°22	22°15	17° 6	n.a.	T 17
W18	9 20 21	22° 6'44	17°45	25°20	25°49	13° 9	20°39	1°46	11°53	2°44	7° 5	23°R23	22°12	17°12	n.a.	W18
T 19	9 24 17	23° 6'05	29°34	26° 1	27° 2	13°23	20°33	1°52	11°56	2°43	7° 7	23°23	22° 8	17°19	n.a.	T 19
F 20	9 28 14	24° 5'24	11♒27	26°46	28°16	13°37	20°27	1°57	11°58	2°41	7° 8	23°22	22° 5	17°26	n.a.	F 20
S 21	9 32 10	25° 4'40	23°29	27°34	29°29	13°52	20°22	2° 2	12° 1	2°40	7°10	23°19	22° 2	17°32	n.a.	S 21
S 22	9 36 7	26° 3'55	5♓40	28°25	0♒43	14° 7	20°17	2° 7	12° 4	2°38	7°11	23°14	21°59	17°39	n.a.	S 22
M23	9 40 3	27° 3'07	18° 2	29°19	1°56	14°23	20°11	2°12	12° 7	2°36	7°12	23° 9	21°56	17°45	n.a.	M23
T 24	9 44 0	28° 2'17	0♈36	0♒17	3°10	14°40	20° 6	2°18	12° 9	2°35	7°13	23° 2	21°53	17°52	n.a.	T 24
W25	9 47 56	29° 1'24	13°22	1°17	4°23	14°56	20° 2	2°23	12°12	2°33	7°15	22°56	21°49	17°59	n.a.	W25
T 26	9 51 53	0♓ 0'29	26°22	2°20	5°37	15°13	19°57	2°27	12°15	2°31	7°16	22°51	21°46	18° 5	n.a.	T 26
F 27	9 55 50	0°59'32	9♉36	3°25	6°50	15°31	19°52	2°32	12°17	2°30	7°17	22°48	21°43	18°12	n.a.	F 27
S 28	9 59 46	1♓58'33	23♉ 6	4♒33	8♒ 4	15♊49	19♋48	2♑37	12♑20	2♍28	7♑18	22♑46	21♑40	18♑19	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s14	24n 2	4n25	17s27	3n40	23s39	0n 2	25n41	3n22	23n 1	1n11	23s39	0n 8	23s47	0s28	11n58	1n35	30s 0	6s24	21s42	21s46	23s35		n.a.
M 2	18 59	25 58	3 34	17 44	3 32	23 39	0s 1	25 40	3 21	23 3	1 11	23 39	0 8	23 47	0 28	11 58	1 35	30 0	6 24	21 42	21 47	23 33		n.a.
T 3	18 44	26 10	2 28	18 2	3 23	23 38	0 4	25 40	3 19	23 4	1 11	23 39	0 8	23 47	0 28	11 59	1 35	30 0	6 24	21 42	21 47	23 31		n.a.
W 4	18 28	24 31	1 11	18 20	3 12	23 36	0 7	25 39	3 18	23 5	1 11	23 39	0 8	23 46	0 28	11 59	1 35	30 0	6 24	21 42	21 48	23 30		n.a.
T 5	18 12	21 5	0s13	18 38	3 1	23 34	0 9	25 39	3 17	23 7	1 11	23 39	0 8	23 46	0 28	12 0	1 35	30 0	6 24	21 42	21 48	23 28		n.a.
F 6	17 56	16 14	1 35	18 55	2 48	23 31	0 12	25 39	3 15	23 8	1 11	23 39	0 8	23 46	0 28	12 1	1 35	30 0	6 24	21 42	21 49	23 26		n.a.
S 7	17 40	10 24	2 50	19 12	2 36	23 27	0 15	25 38	3 14	23 9	1 11	23 39	0 8	23 46	0 28	12 1	1 36	30 0	6 25	21 42	21 49	23 25		n.a.
S 8	17 23	4 7	3 52	19 28	2 22	23 22	0 18	25 38	3 13	23 10	1 11	23 39	0 8	23 45	0 28	12 2	1 36	30 0	6 25	21 43	21 50	23 23		n.a.
M 9	17 6	2s13	4 38	19 43	2 9	23 17	0 21	25 38	3 12	23 11	1 11	23 39	0 8	23 45	0 28	12 2	1 36	30 0	6 25	21 43	21 51	23 21		n.a.
T 10	16 48	8 15	5 6	19 58	1 55	23 11	0 23	25 38	3 10	23 12	1 11	23 39	0 8	23 45	0 28	12 3	1 36	30 0	6 25	21 44	21 51	23 20		n.a.
W11	16 31	13 41	5 16	20 11	1 41	23 5	0 26	25 38	3 9	23 13	1 11	23 39	0 7	23 45	0 28	12 3	1 36	30 0	6 25	21 44	21 52	23 18		n.a.
T 12	16 13	18 20	5 9	20 23	1 27	22 57	0 29	25 38	3 8	23 15	1 11	23 39	0 7	23 44	0 28	12 4	1 36	30 1	6 25	21 44	21 52	23 16		n.a.
F 13	15 55	22 1	4 47	20 35	1 14	22 49	0 31	25 39	3 6	23 16	1 11	23 39	0 7	23 44	0 29	12 5	1 36	30 1	6 26	21 44	21 53	23 15		n.a.
S 14	15 36	24 36	4 12	20 45	1 0	22 41	0 34	25 39	3 5	23 17	1 11	23 39	0 7	23 44	0 29	12 5	1 36	30 1	6 26	21 44	21 53	23 13		n.a.
S 15	15 18	26 1	3 27	20 54	0 47	22 32	0 36	25 39	3 4	23 18	1 11	23 39	0 7	23 44	0 29	12 6	1 36	30 1	6 26	21 44	21 54	23 11		n.a.
M16	14 59	26 13	2 34	21 1	0 34	22 22	0 39	25 39	3 2	23 18	1 11	23 39	0 7	23 43	0 29	12 6	1 36	30 1	6 26	21 44	21 54	23 9		n.a.
T 17	14 40	25 13	1 34	21 8	0 22	22 11	0 41	25 40	3 1	23 19	1 11	23 39	0 7	23 43	0 29	12 7	1 36	30 1	6 26	21 43	21 55	23 8		n.a.
W18	14 20	23 6	0 31	21 13	0 10	22 0	0 43	25 40	3 0	23 20	1 11	23 39	0 7	23 43	0 29	12 8	1 36	30 1	6 27	21 43	21 55	23 6		n.a.
T 19	14 1	19 59	0n34	21 17	0s 2	21 48	0 46	25 41	2 59	23 21	1 11	23 39	0 7	23 43	0 29	12 8	1 36	30 1	6 27	21 43	21 56	23 4		n.a.
F 20	13 41	16 2	1 38	21 19	0 14	21 35	0 48	25 41	2 57	23 22	1 11	23 39	0 7	23 42	0 29	12 9	1 36	30 1	6 27	21 44	21 56	23 2		n.a.
S 21	13 21	11 24	2 37	21 21	0 24	21 22	0 50	25 42	2 56	23 23	1 11	23 39	0 7	23 42	0 29	12 10	1 36	30 2	6 27	21 44	21 57	23 1		n.a.
S 22	13 1	6 18	3 31	21 20	0 35	21 8	0 52	25 43	2 55	23 24	1 11	23 39	0 7	23 42	0 29	12 10	1 36	30 2	6 27	21 45	21 57	22 59		n.a.
M23	12 40	0 53	4 15	21 19	0 45	20 54	0 54	25 43	2 54	23 24	1 11	23 39	0 7	23 42	0 29	12 11	1 36	30 2	6 28	21 46	21 58	22 57		n.a.
T 24	12 19	4n38	4 48	21 16	0 54	20 39	0 56	25 44	2 52	23 25	1 11	23 39	0 7	23 42	0 29	12 11	1 36	30 2	6 28	21 47	21 58	22 55		n.a.
W25	11 59	10 3	5 7	21 11	1 4	20 23	0 58	25 45	2 51	23 26	1 11	23 39	0 7	23 41	0 29	12 12	1 36	30 2	6 28	21 48	21 59	22 54		n.a.
T 26	11 38	15 7	5 11	21 5	1 12	20 7	1 0	25 46	2 50	23 26	1 11	23 39	0 6	23 41	0 29	12 13	1 36	30 2	6 28	21 49	21 59	22 52		n.a.
F 27	11 17	19 35	4 58	20 58	1 20	19 50	1 2	25 46	2 49	23 27	1 11	23 39	0 6	23 41	0 29	12 13	1 36	30 2	6 28	21 49	22 0	22 50		n.a.
S 28	10s55	23n 8	4n29	20s49	1s28	19s33	1s 4	25n47	2n47	23n28	1n11	23s39	0n 6	23s41	0s29	12n14	1n36	30s 2	6s29	21s50	22s 0	22s48		n.a.

Julian Day Number = 1469431.5, Delta T = 05h32m17s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'07, Lahiri = -13°29'06 Julian Calendar 1 Feb. 690 BCE == Greg. Calendar 25 Jan. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

MARCH 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 3 43	2♓57'31	6♊52	5♒43	9♒17	16♊ 7	19°R44	2♑42	12♑22	2°R26	7♑20	22°D45	21♑37	18♑25	n.a.	S 1
M 2	10 7 39	3°56'26	20°55	6°55	10°30	16°26	19♋40	2°47	12°25	2♍25	7°21	22♑46	21°34	18°32	n.a.	M 2
T 3	10 11 36	4°55'20	5♋13	8° 9	11°44	16°45	19°36	2°51	12°27	2°23	7°22	22°48	21°30	18°39	n.a.	T 3
W 4	10 15 32	5°54'11	19°46	9°26	12°57	17° 5	19°32	2°56	12°30	2°21	7°23	22°R49	21°27	18°45	n.a.	W 4
T 5	10 19 29	6°52'59	4♌30	10°44	14°11	17°25	19°29	3° 0	12°32	2°20	7°24	22°48	21°24	18°52	n.a.	T 5
F 6	10 23 25	7°51'45	19°18	12° 5	15°24	17°45	19°26	3° 4	12°34	2°18	7°25	22°46	21°21	18°59	n.a.	F 6
S 7	10 27 22	8°50'29	4♍ 3	13°27	16°38	18° 5	19°23	3° 9	12°37	2°17	7°26	22°41	21°18	19° 5	n.a.	S 7
S 8	10 31 18	9°49'10	18°39	14°51	17°51	18°26	19°20	3°13	12°39	2°15	7°27	22°35	21°14	19°12	n.a.	S 8
M 9	10 35 15	10°47'50	2♎58	16°17	19° 5	18°48	19°17	3°17	12°41	2°13	7°28	22°27	21°11	19°19	n.a.	M 9
T 10	10 39 12	11°46'27	16°54	17°44	20°18	19° 9	19°14	3°21	12°43	2°12	7°29	22°19	21° 8	19°25	n.a.	T 10
W11	10 43 8	12°45'03	0♏25	19°14	21°32	19°31	19°12	3°25	12°45	2°10	7°30	22°12	21° 5	19°32	n.a.	W11
T 12	10 47 5	13°43'37	13°30	20°45	22°45	19°53	19°10	3°29	12°48	2° 8	7°31	22° 6	21° 2	19°38	n.a.	T 12
F 13	10 51 1	14°42'09	26°11	22°17	23°59	20°16	19° 8	3°33	12°50	2° 7	7°32	22° 2	20°59	19°45	n.a.	F 13
S 14	10 54 58	15°40'39	8♐32	23°52	25°12	20°38	19° 6	3°36	12°52	2° 5	7°33	22° 0	20°55	19°52	n.a.	S 14
S 15	10 58 54	16°39'08	20°36	25°28	26°25	21° 2	19° 4	3°40	12°54	2° 4	7°34	22°D 0	20°52	19°58	n.a.	S 15
M16	11 2 51	17°37'35	2♑29	27° 6	27°39	21°25	19° 3	3°44	12°56	2° 2	7°35	22° 1	20°49	20° 5	n.a.	M16
T 17	11 6 47	18°36'00	14°16	28°45	28°52	21°49	19° 1	3°47	12°57	2° 0	7°35	22° 2	20°46	20°12	n.a.	T 17
W18	11 10 44	19°34'24	26° 4	0♓26	0♓ 6	22°12	19° 0	3°51	12°59	1°59	7°36	22°R 2	20°43	20°18	n.a.	W18
T 19	11 14 41	20°32'45	7♒55	2° 9	1°19	22°37	18°59	3°54	13° 1	1°57	7°37	22° 0	20°39	20°25	n.a.	T 19
F 20	11 18 37	21°31'05	19°55	3°54	2°33	23° 1	18°59	3°57	13° 3	1°56	7°38	21°57	20°36	20°32	n.a.	F 20
S 21	11 22 34	22°29'23	2♓ 6	5°40	3°46	23°26	18°58	4° 0	13° 5	1°54	7°38	21°51	20°33	20°38	n.a.	S 21
S 22	11 26 30	23°27'39	14°31	7°28	5° 0	23°51	18°58	4° 3	13° 6	1°53	7°39	21°42	20°30	20°45	n.a.	S 22
M23	11 30 27	24°25'54	27°10	9°17	6°13	24°16	18°D57	4° 6	13° 8	1°51	7°40	21°32	20°27	20°52	n.a.	M23
T 24	11 34 23	25°24'06	10♈ 4	11° 8	7°27	24°41	18°57	4° 9	13°10	1°50	7°40	21°21	20°24	20°58	n.a.	T 24
W25	11 38 20	26°22'16	23°12	13° 1	8°40	25° 7	18°58	4°12	13°11	1°48	7°41	21°10	20°20	21° 5	n.a.	W25
T 26	11 42 16	27°20'25	6♉32	14°56	9°54	25°33	18°58	4°15	13°13	1°47	7°42	21° 0	20°17	21°11	n.a.	T 26
F 27	11 46 13	28°18'31	20° 3	16°52	11° 7	25°59	18°59	4°17	13°14	1°45	7°42	20°53	20°14	21°18	n.a.	F 27
S 28	11 50 9	29°16'36	3♊44	18°50	12°21	26°26	18°59	4°20	13°16	1°44	7°43	20°48	20°11	21°25	n.a.	S 28
S 29	11 54 6	0♈14'39	17°35	20°50	13°34	26°52	19° 0	4°22	13°17	1°43	7°43	20°45	20° 8	21°31	n.a.	S 29
M30	11 58 3	1°12'39	1♋34	22°51	14°47	27°19	19° 1	4°24	13°18	1°41	7°44	20°D45	20° 5	21°38	n.a.	M30
T 31	12 1 59	2♈10'38	15♋41	24♓54	16♓ 1	27♊46	19♋ 3	4♑27	13♑19	1♍40	7♑44	20°R45	20♑ 1	21♑45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	10s34	25n26	3n44	20s39	1s35	19s15	1s 6	25n48	2n46	23n28	1n11	23s39	0n 6	23s40	0s29	12n14	1n36	30s 3	6s29	21s50	22s 1	22s47			n.a.
M 2	10 12	26 12	2 45	20 27	1 42	18 56	1 8	25 49	2 45	23 29	1 11	23 39	0 6	23 40	0 29	12 15	1 36	30 3	6 29	21 50	22 1	22 45			n.a.
T 3	9 50	25 14	1 34	20 13	1 48	18 37	1 9	25 49	2 44	23 29	1 10	23 39	0 6	23 40	0 29	12 16	1 36	30 3	6 29	21 49	22 2	22 43			n.a.
W 4	9 29	22 34	0 16	19 58	1 54	18 18	1 11	25 50	2 43	23 30	1 10	23 39	0 6	23 40	0 29	12 16	1 36	30 3	6 29	21 49	22 2	22 41			n.a.
T 5	9 7	18 24	1s 3	19 42	1 59	17 58	1 12	25 51	2 41	23 30	1 10	23 39	0 6	23 40	0 29	12 17	1 36	30 3	6 30	21 49	22 3	22 39			n.a.
F 6	8 44	13 3	2 18	19 24	2 4	17 37	1 14	25 52	2 40	23 30	1 10	23 39	0 6	23 39	0 29	12 17	1 36	30 3	6 30	21 50	22 4	22 38			n.a.
S 7	8 22	7 0	3 24	19 4	2 8	17 16	1 15	25 53	2 39	23 31	1 10	23 39	0 6	23 39	0 29	12 18	1 36	30 4	6 30	21 50	22 4	22 36			n.a.
S 8	8 0	0 38	4 16	18 42	2 12	16 55	1 17	25 53	2 38	23 31	1 10	23 39	0 6	23 39	0 29	12 19	1 36	30 4	6 30	21 52	22 5	22 34			n.a.
M 9	7 37	5s37	4 50	18 20	2 15	16 33	1 18	25 54	2 37	23 31	1 10	23 39	0 6	23 39	0 29	12 19	1 36	30 4	6 31	21 53	22 5	22 32			n.a.
T 10	7 15	11 26	5 6	17 55	2 18	16 10	1 19	25 55	2 36	23 32	1 10	23 39	0 6	23 39	0 29	12 20	1 36	30 4	6 31	21 54	22 6	22 30			n.a.
W11	6 52	16 31	5 5	17 29	2 20	15 48	1 20	25 55	2 34	23 32	1 10	23 39	0 6	23 38	0 29	12 20	1 36	30 4	6 31	21 55	22 6	22 28			n.a.
T 12	6 29	20 40	4 47	17 1	2 22	15 24	1 21	25 56	2 33	23 32	1 10	23 39	0 5	23 38	0 29	12 21	1 36	30 4	6 31	21 56	22 7	22 27			n.a.
F 13	6 6	23 42	4 15	16 32	2 23	15 1	1 22	25 57	2 32	23 32	1 10	23 39	0 5	23 38	0 29	12 22	1 36	30 5	6 32	21 57	22 7	22 25			n.a.
S 14	5 43	25 32	3 32	16 1	2 24	14 37	1 23	25 57	2 31	23 33	1 10	23 38	0 5	23 38	0 29	12 22	1 36	30 5	6 32	21 57	22 7	22 23			n.a.
S 15	5 20	26 7	2 41	15 28	2 24	14 12	1 24	25 58	2 30	23 33	1 9	23 38	0 5	23 38	0 29	12 23	1 36	30 5	6 32	21 57	22 8	22 21			n.a.
M16	4 57	25 29	1 43	14 54	2 24	13 47	1 25	25 58	2 29	23 33	1 9	23 38	0 5	23 38	0 29	12 23	1 36	30 5	6 32	21 57	22 8	22 19			n.a.
T 17	4 34	23 41	0 42	14 18	2 23	13 22	1 26	25 59	2 28	23 33	1 9	23 38	0 5	23 37	0 29	12 24	1 36	30 5	6 32	21 57	22 9	22 17			n.a.
W18	4 11	20 53	0n22	13 40	2 21	12 57	1 27	25 59	2 27	23 33	1 9	23 38	0 5	23 37	0 29	12 24	1 36	30 5	6 33	21 57	22 9	22 15			n.a.
T 19	3 48	17 11	1 24	13 1	2 19	12 31	1 27	25 59	2 26	23 33	1 9	23 38	0 5	23 37	0 29	12 25	1 36	30 6	6 33	21 57	22 10	22 13			n.a.
F 20	3 25	12 47	2 24	12 20	2 17	12 5	1 28	26 0	2 24	23 33	1 9	23 38	0 5	23 37	0 29	12 26	1 36	30 6	6 33	21 58	22 10	22 12			n.a.
S 21	3 1	7 48	3 17	11 38	2 14	11 38	1 28	26 0	2 23	23 33	1 9	23 38	0 5	23 37	0 29	12 26	1 36	30 6	6 33	21 59	22 11	22 10			n.a.
S 22	2 38	2 27	4 2	10 54	2 10	11 11	1 29	26 0	2 22	23 33	1 9	23 38	0 5	23 37	0 29	12 27	1 36	30 6	6 34	22 0	22 11	22 8			n.a.
M23	2 15	3n 5	4 37	10 9	2 6	10 44	1 29	26 0	2 21	23 33	1 9	23 38	0 5	23 37	0 29	12 27	1 36	30 6	6 34	22 2	22 12	22 6			n.a.
T 24	1 51	8 35	4 57	9 22	2 2	10 17	1 29	26 0	2 20	23 33	1 8	23 38	0 5	23 36	0 30	12 28	1 36	30 7	6 34	22 4	22 12	22 4			n.a.
W25	1 28	13 49	5 3	8 33	1 56	9 49	1 30	26 0	2 19	23 33	1 8	23 38	0 4	23 36	0 30	12 28	1 36	30 7	6 34	22 5	22 13	22 2			n.a.
T 26	1 4	18 28	4 52	7 43	1 51	9 21	1 30	26 0	2 18	23 33	1 8	23 38	0 4	23 36	0 30	12 29	1 36	30 7	6 35	22 7	22 13	22 0			n.a.
F 27	0 41	22 15	4 25	6 51	1 45	8 53	1 30	26 0	2 17	23 32	1 8	23 38	0 4	23 36	0 30	12 29	1 36	30 7	6 35	22 8	22 14	21 58			n.a.
S 28	0 17	24 50	3 43	5 58	1 38	8 24	1 30	26 0	2 16	23 32	1 8	23 38	0 4	23 36	0 30	12 30	1 36	30 8	6 35	22 9	22 14	21 56			n.a.
S 29	0n 6	25 57	2 47	5 4	1 31	7 56	1 30	26 0	2 15	23 32	1 8	23 38	0 4	23 36	0 30	12 30	1 36	30 8	6 35	22 9	22 15	21 54			n.a.
M30	0 29	25 26	1 40	4 9	1 23	7 27	1 30	25 59	2 14	23 32	1 8	23 38	0 4	23 36	0 30	12 31	1 36	30 8	6 36	22 9	22 15	21 52			n.a.
T 31	0n53	23n17	0n27	3s12	1s15	6s58	1s30	25n59	2n13	23n31	1n 8	23s38	0n 4	23s36	0s30	12n31	1n36	30s 8	6s36	22s 9	22s16	21s51			n.a.

Julian Day Number = 1469459.5, Delta T = 05h32m16s
Ecliptic obliquity = 23°46'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°36'03, Lahiri = -13°29'02 Julian Calendar 1 March 690 BCE == Greg. Calendar 22 Feb. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

APRIL 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 5 56	3♈ 8'34	29♋56	26♓58	17♓14	28♊13	19♋ 4	4♉29	13♉21	1°R38	7♉45	20°R45	19♉58	21♉51	n.a.	W 1
T 2	12 9 52	4° 6'28	14♌16	29° 3	18°28	28°41	19° 6	4°31	13°22	1♍37	7°45	20♉43	19°55	21°58	n.a.	T 2
F 3	12 13 49	5° 4'21	28°40	1♈10	19°41	29° 8	19° 8	4°33	13°23	1°36	7°45	20°39	19°52	22° 5	n.a.	F 3
S 4	12 17 45	6° 2'11	13♍ 1	3°18	20°55	29°36	19°10	4°35	13°24	1°35	7°46	20°32	19°49	22°11	n.a.	S 4
S 5	12 21 42	7° 0'00	27°15	5°27	22° 8	0♋ 4	19°12	4°36	13°25	1°33	7°46	20°22	19°45	22°18	n.a.	S 5
M 6	12 25 38	7°57'47	11♎17	7°36	23°21	0°33	19°14	4°38	13°26	1°32	7°46	20°11	19°42	22°25	n.a.	M 6
T 7	12 29 35	8°55'32	25° 1	9°47	24°35	1° 1	19°17	4°40	13°27	1°31	7°47	19°59	19°39	22°31	n.a.	T 7
W 8	12 33 32	9°53'17	8♏25	11°57	25°48	1°29	19°19	4°41	13°28	1°30	7°47	19°48	19°36	22°38	n.a.	W 8
T 9	12 37 28	10°50'59	21°27	14° 7	27° 2	1°58	19°22	4°42	13°29	1°28	7°47	19°39	19°33	22°45	n.a.	T 9
F 10	12 41 25	11°48'41	4♐ 7	16°18	28°15	2°27	19°25	4°44	13°30	1°27	7°47	19°32	19°30	22°51	n.a.	F 10
S 11	12 45 21	12°46'21	16°27	18°27	29°29	2°56	19°29	4°45	13°30	1°26	7°47	19°27	19°26	22°58	n.a.	S 11
S 12	12 49 18	13°44'00	28°32	20°36	0♈42	3°25	19°32	4°46	13°31	1°25	7°47	19°25	19°23	23° 4	n.a.	S 12
M13	12 53 14	14°41'38	10♑26	22°44	1°56	3°55	19°35	4°47	13°32	1°24	7°48	19°24	19°20	23°11	n.a.	M13
T 14	12 57 11	15°39'14	22°15	24°51	3° 9	4°24	19°39	4°48	13°32	1°23	7°48	19°24	19°17	23°18	n.a.	T 14
W15	13 1 7	16°36'50	4♒ 4	26°56	4°23	4°54	19°43	4°49	13°33	1°22	7°48	19°24	19°14	23°24	n.a.	W15
T 16	13 5 4	17°34'24	15°58	28°59	5°36	5°24	19°47	4°49	13°34	1°21	7°R48	19°22	19°10	23°31	n.a.	T 16
F 17	13 9 1	18°31'58	28° 3	1♉ 0	6°49	5°54	19°51	4°50	13°34	1°20	7°48	19°17	19° 7	23°38	n.a.	F 17
S 18	13 12 57	19°29'30	10♓22	2°59	8° 3	6°24	19°56	4°50	13°34	1°19	7°48	19°11	19° 4	23°44	n.a.	S 18
S 19	13 16 54	20°27'01	22°58	4°55	9°16	6°55	20° 0	4°51	13°35	1°18	7°48	19° 1	19° 1	23°51	n.a.	S 19
M20	13 20 50	21°24'31	5♈52	6°49	10°30	7°25	20° 5	4°51	13°35	1°17	7°47	18°50	18°58	23°58	n.a.	M20
T 21	13 24 47	22°21'59	19° 6	8°40	11°43	7°56	20°10	4°51	13°35	1°16	7°47	18°37	18°55	24° 4	n.a.	T 21
W22	13 28 43	23°19'27	2♉36	10°29	12°57	8°26	20°15	4°51	13°36	1°15	7°47	18°25	18°51	24°11	n.a.	W22
T 23	13 32 40	24°16'54	16°20	12°15	14°10	8°57	20°20	4°R52	13°36	1°14	7°47	18°14	18°48	24°18	n.a.	T 23
F 24	13 36 36	25°14'19	0♊15	13°58	15°24	9°28	20°25	4°51	13°36	1°13	7°47	18° 6	18°45	24°24	n.a.	F 24
S 25	13 40 33	26°11'43	14°18	15°38	16°37	10° 0	20°31	4°51	13°36	1°12	7°47	18° 0	18°42	24°31	n.a.	S 25
S 26	13 44 30	27° 9'06	28°24	17°15	17°51	10°31	20°36	4°51	13°R36	1°12	7°46	17°57	18°39	24°37	n.a.	S 26
M27	13 48 26	28° 6'28	12♋31	18°49	19° 4	11° 3	20°42	4°51	13°36	1°11	7°46	17°D56	18°36	24°44	n.a.	M27
T 28	13 52 23	29° 3'48	26°39	20°20	20°18	11°34	20°48	4°50	13°36	1°10	7°46	17°R56	18°32	24°51	n.a.	T 28
W29	13 56 19	0♉ 1'07	10♌46	21°48	21°31	12° 6	20°54	4°50	13°36	1°10	7°46	17°56	18°29	24°57	n.a.	W29
T 30	14 0 16	0♉58'24	24♌52	23♉14	22♈45	12♋38	21♋ 0	4♉49	13♉36	1♍ 9	7♉45	17♉54	18♉26	25♉ 4	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n16	19n40	0s49	2s14	1s 6	6s29	1s29	25n58	2n12	23n31	1n 8	23s38	0n 4	23s36	0s30	12n32	1n36	30s 8	6s36	22s 9	22s16	21s49		n.a.
T 2	1 39	14 51	2 1	1 15	0 57	5 59	1 29	25 57	2 11	23 31	1 7	23 38	0 4	23 35	0 30	12 32	1 36	30 9	6 36	22 9	22 17	21 47		n.a.
F 3	2 3	9 12	3 7	0 15	0 48	5 30	1 29	25 57	2 10	23 30	1 7	23 38	0 4	23 35	0 30	12 33	1 36	30 9	6 37	22 10	22 17	21 45		n.a.
S 4	2 26	3 5	4 0	0n45	0 38	5 0	1 28	25 56	2 9	23 30	1 7	23 38	0 4	23 35	0 30	12 33	1 36	30 9	6 37	22 11	22 18	21 43		n.a.
S 5	2 49	3s 7	4 37	1 46	0 28	4 30	1 28	25 55	2 8	23 29	1 7	23 38	0 4	23 35	0 30	12 34	1 36	30 9	6 37	22 13	22 18	21 41		n.a.
M 6	3 12	9 4	4 58	2 48	0 17	4 0	1 27	25 54	2 7	23 29	1 7	23 38	0 4	23 35	0 30	12 34	1 36	30 10	6 37	22 14	22 19	21 39		n.a.
T 7	3 35	14 28	5 0	3 49	0 7	3 30	1 26	25 53	2 6	23 28	1 7	23 38	0 3	23 35	0 30	12 34	1 36	30 10	6 38	22 16	22 19	21 37		n.a.
W 8	3 58	19 0	4 46	4 51	0n 4	3 0	1 26	25 51	2 5	23 28	1 7	23 38	0 3	23 35	0 30	12 35	1 36	30 10	6 38	22 18	22 19	21 35		n.a.
T 9	4 21	22 30	4 17	5 52	0 14	2 30	1 25	25 50	2 4	23 27	1 7	23 38	0 3	23 35	0 30	12 35	1 36	30 10	6 38	22 19	22 20	21 33		n.a.
F 10	4 44	24 48	3 36	6 53	0 25	1 59	1 24	25 49	2 3	23 27	1 7	23 38	0 3	23 35	0 30	12 36	1 36	30 11	6 38	22 20	22 20	21 31		n.a.
S 11	5 7	25 49	2 45	7 53	0 35	1 29	1 23	25 47	2 2	23 26	1 6	23 38	0 3	23 35	0 30	12 36	1 36	30 11	6 39	22 21	22 21	21 29		n.a.
S 12	5 30	25 35	1 48	8 52	0 46	0 58	1 22	25 45	2 1	23 26	1 6	23 38	0 3	23 35	0 30	12 36	1 35	30 11	6 39	22 21	22 21	21 27		n.a.
M13	5 52	24 9	0 47	9 50	0 56	0 28	1 21	25 44	2 1	23 25	1 6	23 38	0 3	23 35	0 30	12 37	1 35	30 11	6 39	22 21	22 22	21 25		n.a.
T 14	6 15	21 40	0n15	10 46	1 6	0n 3	1 20	25 42	2 0	23 24	1 6	23 39	0 3	23 35	0 30	12 37	1 35	30 12	6 39	22 21	22 22	21 23		n.a.
W15	6 37	18 16	1 17	11 41	1 15	0 33	1 19	25 40	1 59	23 24	1 6	23 39	0 3	23 35	0 30	12 38	1 35	30 12	6 40	22 21	22 23	21 21		n.a.
T 16	7 0	14 7	2 16	12 34	1 24	1 4	1 18	25 38	1 58	23 23	1 6	23 39	0 3	23 35	0 30	12 38	1 35	30 12	6 40	22 22	22 23	21 19		n.a.
F 17	7 22	9 22	3 9	13 25	1 32	1 34	1 17	25 35	1 57	23 22	1 6	23 39	0 3	23 35	0 30	12 38	1 35	30 12	6 40	22 22	22 24	21 17		n.a.
S 18	7 44	4 10	3 55	14 15	1 40	2 5	1 16	25 33	1 56	23 21	1 6	23 39	0 3	23 35	0 30	12 39	1 35	30 13	6 41	22 23	22 24	21 15		n.a.
S 19	8 6	1n18	4 30	15 2	1 48	2 35	1 14	25 31	1 55	23 21	1 6	23 39	0 3	23 35	0 30	12 39	1 35	30 13	6 41	22 24	22 25	21 13		n.a.
M20	8 28	6 50	4 53	15 47	1 54	3 6	1 13	25 28	1 54	23 20	1 5	23 39	0 2	23 35	0 30	12 39	1 35	30 13	6 41	22 26	22 25	21 11		n.a.
T 21	8 50	12 12	5 0	16 29	2 0	3 36	1 12	25 25	1 53	23 19	1 5	23 39	0 2	23 35	0 30	12 39	1 35	30 13	6 41	22 28	22 25	21 9		n.a.
W22	9 11	17 6	4 51	17 9	2 5	4 7	1 10	25 22	1 52	23 18	1 5	23 39	0 2	23 35	0 30	12 40	1 35	30 14	6 42	22 30	22 26	21 7		n.a.
T 23	9 33	21 11	4 26	17 47	2 10	4 37	1 9	25 20	1 51	23 17	1 5	23 39	0 2	23 35	0 30	12 40	1 35	30 14	6 42	22 31	22 26	21 5		n.a.
F 24	9 54	24 8	3 44	18 23	2 14	5 7	1 7	25 16	1 51	23 16	1 5	23 39	0 2	23 35	0 30	12 40	1 35	30 14	6 42	22 32	22 27	21 3		n.a.
S 25	10 15	25 37	2 48	18 56	2 17	5 37	1 5	25 13	1 50	23 15	1 5	23 39	0 2	23 35	0 31	12 41	1 35	30 14	6 42	22 33	22 27	21 0		n.a.
S 26	10 36	25 28	1 42	19 27	2 19	6 7	1 4	25 10	1 49	23 14	1 5	23 39	0 2	23 35	0 31	12 41	1 35	30 15	6 43	22 33	22 28	20 58		n.a.
M27	10 57	23 39	0 29	19 55	2 21	6 37	1 2	25 6	1 48	23 13	1 5	23 40	0 2	23 35	0 31	12 41	1 35	30 15	6 43	22 34	22 28	20 56		n.a.
T 28	11 18	20 22	0s46	20 21	2 22	7 7	1 0	25 3	1 47	23 12	1 5	23 40	0 2	23 35	0 31	12 41	1 35	30 15	6 43	22 34	22 29	20 54		n.a.
W29	11 38	15 53	1 58	20 45	2 22	7 36	0 58	24 59	1 46	23 11	1 4	23 40	0 2	23 35	0 31	12 41	1 35	30 15	6 43	22 34	22 29	20 52		n.a.
T 30	11n59	10n33	3s 2	21n 7	2n21	8n 6	0s57	24n55	1n45	23n10	1n 4	23s40	0n 2	23s35	0s31	12n42	1n35	30s16	6s43	22s34	22s29	20s50		n.a.

Julian Day Number = 1469490.5, Delta T = 05h32m14s
Ecliptic obliquity = 23°46'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'58, Lahiri = -13°28'58 Julian Calendar 1 Apr. 690 BCE == Greg. Calendar 25 March 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

MAY 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 4 12	1♉55'41	8♍54	24♉35	23♈58	13♋10	21♋ 7	4°R48	13°R35	1°R 8	7°R45	17°R50	18♏23	25♏11	n.a.	F 1
S 2	14 8 9	2°52'56	22°50	25°54	25°12	13°42	21°13	4♏47	13♏35	1♍ 8	7♏44	17♏43	18°20	25°17	n.a.	S 2
S 3	14 12 5	3°50'10	6♎39	27°10	26°25	14°14	21°20	4°46	13°35	1° 7	7°44	17°34	18°16	25°24	n.a.	S 3
M 4	14 16 2	4°47'23	20°16	28°22	27°39	14°46	21°26	4°45	13°34	1° 7	7°44	17°23	18°13	25°31	n.a.	M 4
T 5	14 19 59	5°44'36	3♏39	29°32	28°52	15°19	21°33	4°44	13°34	1° 6	7°43	17°12	18°10	25°37	n.a.	T 5
W 6	14 23 55	6°41'47	16°46	0♊37	0♉ 6	15°51	21°40	4°43	13°33	1° 6	7°43	17° 1	18° 7	25°44	n.a.	W 6
T 7	14 27 52	7°38'59	29°36	1°40	1°19	16°24	21°48	4°41	13°33	1° 5	7°42	16°51	18° 4	25°51	n.a.	T 7
F 8	14 31 48	8°36'09	12♐ 8	2°39	2°33	16°57	21°55	4°40	13°32	1° 5	7°42	16°44	18° 1	25°57	n.a.	F 8
S 9	14 35 45	9°33'19	24°24	3°34	3°46	17°30	22° 2	4°38	13°32	1° 4	7°41	16°40	17°57	26° 4	n.a.	S 9
S 10	14 39 41	10°30'29	6♑27	4°26	5° 0	18° 3	22°10	4°37	13°31	1° 4	7°40	16°37	17°54	26°11	n.a.	S 10
M11	14 43 38	11°27'38	18°20	5°13	6°14	18°36	22°17	4°35	13°30	1° 4	7°40	16°D37	17°51	26°17	n.a.	M11
T 12	14 47 34	12°24'47	0♒ 9	5°58	7°27	19° 9	22°25	4°33	13°30	1° 3	7°39	16°37	17°48	26°24	n.a.	T 12
W13	14 51 31	13°21'56	11°58	6°38	8°41	19°42	22°33	4°31	13°29	1° 3	7°38	16°R38	17°45	26°30	n.a.	W13
T 14	14 55 28	14°19'04	23°54	7°14	9°54	20°16	22°41	4°30	13°28	1° 3	7°38	16°37	17°42	26°37	n.a.	T 14
F 15	14 59 24	15°16'12	6♓ 0	7°46	11° 8	20°49	22°49	4°27	13°27	1° 3	7°37	16°35	17°38	26°44	n.a.	F 15
S 16	15 3 21	16°13'20	18°23	8°14	12°21	21°23	22°57	4°25	13°26	1° 3	7°36	16°31	17°35	26°50	n.a.	S 16
S 17	15 7 17	17°10'28	1♈ 5	8°37	13°35	21°57	23° 6	4°23	13°25	1° 2	7°36	16°24	17°32	26°57	n.a.	S 17
M18	15 11 14	18° 7'36	14° 9	8°56	14°49	22°31	23°14	4°21	13°24	1° 2	7°35	16°16	17°29	27° 4	n.a.	M18
T 19	15 15 10	19° 4'43	27°36	9°10	16° 2	23° 5	23°23	4°18	13°23	1° 2	7°34	16° 7	17°26	27°10	n.a.	T 19
W20	15 19 7	20° 1'51	11♉24	9°20	17°16	23°39	23°32	4°16	13°22	1° 2	7°33	15°58	17°22	27°17	n.a.	W20
T 21	15 23 3	20°58'58	25°31	9°26	18°30	24°13	23°40	4°13	13°21	1°D 2	7°32	15°50	17°19	27°24	n.a.	T 21
F 22	15 27 0	21°56'05	9♊50	9°R27	19°43	24°47	23°49	4°11	13°20	1° 2	7°32	15°43	17°16	27°30	n.a.	F 22
S 23	15 30 57	22°53'12	24°17	9°23	20°57	25°21	23°58	4° 8	13°19	1° 2	7°31	15°39	17°13	27°37	n.a.	S 23
S 24	15 34 53	23°50'18	8♋46	9°15	22°11	25°56	24° 7	4° 5	13°17	1° 2	7°30	15°D38	17°10	27°44	n.a.	S 24
M25	15 38 50	24°47'25	23°12	9° 2	23°24	26°30	24°17	4° 2	13°16	1° 3	7°29	15°38	17° 7	27°50	n.a.	M25
T 26	15 42 46	25°44'30	7♌32	8°46	24°38	27° 5	24°26	3°59	13°15	1° 3	7°28	15°39	17° 3	27°57	n.a.	T 26
W27	15 46 43	26°41'36	21°43	8°25	25°52	27°40	24°35	3°56	13°13	1° 3	7°27	15°R39	17° 0	28° 4	n.a.	W27
T 28	15 50 39	27°38'41	5♍44	8° 0	27° 5	28°15	24°45	3°53	13°12	1° 3	7°26	15°39	16°57	28°10	n.a.	T 28
F 29	15 54 36	28°35'45	19°33	7°32	28°19	28°50	24°55	3°50	13°11	1° 3	7°25	15°37	16°54	28°17	n.a.	F 29
S 30	15 58 33	29°32'50	3♎11	7° 2	29°33	29°25	25° 4	3°47	13° 9	1° 4	7°24	15°33	16°51	28°23	n.a.	S 30
S 31	16 2 29	0♊29'54	16♎38	6♊28	0♊46	29♋59	25♋14	3♏43	13♏ 7	1♍ 4	7♏23	15♏28	16♏48	28♏30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n19	4n43	3s55	21n26	2n19	8n35	0s55	24n51	1n45	23n 9	1n 4	23s40	0n 1	23s35	0s31	12n42	1n35	30s16	6s44	22s34	22s30	20s48		n.a.
S 2	12 39	1s18	4 34	21 43	2 17	9 4	0 53	24 47	1 44	23 8	1 4	23 40	0 1	23 35	0 31	12 42	1 35	30 16	6 44	22 35	22 30	20 46		n.a.
S 3	12 58	7 12	4 56	21 59	2 14	9 33	0 51	24 43	1 43	23 7	1 4	23 40	0 1	23 35	0 31	12 42	1 35	30 16	6 44	22 36	22 31	20 44		n.a.
M 4	13 18	12 40	5 1	22 12	2 10	10 1	0 49	24 38	1 42	23 6	1 4	23 40	0 1	23 35	0 31	12 42	1 35	30 17	6 44	22 38	22 31	20 42		n.a.
T 5	13 37	17 26	4 50	22 23	2 5	10 30	0 47	24 34	1 41	23 5	1 4	23 40	0 1	23 35	0 31	12 42	1 35	30 17	6 45	22 39	22 32	20 40		n.a.
W 6	13 57	21 16	4 23	22 32	2 0	10 58	0 45	24 29	1 40	23 3	1 4	23 41	0 1	23 35	0 31	12 43	1 35	30 17	6 45	22 41	22 32	20 38		n.a.
T 7	14 15	23 58	3 43	22 39	1 54	11 26	0 43	24 24	1 39	23 2	1 4	23 41	0 1	23 35	0 31	12 43	1 35	30 18	6 45	22 42	22 32	20 35		n.a.
F 8	14 34	25 25	2 53	22 44	1 47	11 54	0 41	24 19	1 39	23 1	1 4	23 41	0 1	23 36	0 31	12 43	1 35	30 18	6 45	22 43	22 33	20 33		n.a.
S 9	14 53	25 35	1 56	22 47	1 39	12 21	0 39	24 14	1 38	22 59	1 3	23 41	0 1	23 36	0 31	12 43	1 35	30 18	6 46	22 43	22 33	20 31		n.a.
S 10	15 11	24 31	0 54	22 49	1 31	12 48	0 36	24 9	1 37	22 58	1 3	23 41	0 1	23 36	0 31	12 43	1 34	30 18	6 46	22 44	22 34	20 29		n.a.
M11	15 29	22 21	0n 9	22 48	1 21	13 15	0 34	24 3	1 36	22 57	1 3	23 41	0 1	23 36	0 31	12 43	1 34	30 19	6 46	22 44	22 34	20 27		n.a.
T 12	15 47	19 14	1 12	22 47	1 11	13 41	0 32	23 58	1 35	22 55	1 3	23 41	0 1	23 36	0 31	12 43	1 34	30 19	6 46	22 44	22 35	20 25		n.a.
W13	16 4	15 21	2 11	22 43	1 1	14 8	0 30	23 52	1 35	22 54	1 3	23 42	0 0	23 36	0 31	12 43	1 34	30 19	6 47	22 44	22 35	20 23		n.a.
T 14	16 22	10 50	3 6	22 38	0 49	14 33	0 28	23 46	1 34	22 53	1 3	23 42	0 0	23 36	0 31	12 43	1 34	30 19	6 47	22 44	22 35	20 21		n.a.
F 15	16 39	5 50	3 53	22 31	0 37	14 59	0 25	23 40	1 33	22 51	1 3	23 42	0 0	23 36	0 31	12 43	1 34	30 20	6 47	22 44	22 36	20 18		n.a.
S 16	16 56	0 32	4 30	22 23	0 24	15 24	0 23	23 34	1 32	22 50	1 3	23 42	0 0	23 36	0 31	12 43	1 34	30 20	6 47	22 45	22 36	20 16		n.a.
S 17	17 12	4n56	4 55	22 14	0 11	15 49	0 21	23 28	1 31	22 48	1 3	23 42	0 0	23 37	0 31	12 43	1 34	30 20	6 47	22 45	22 37	20 14		n.a.
M18	17 28	10 20	5 5	22 3	0s 3	16 13	0 18	23 21	1 30	22 47	1 3	23 42	0s 0	23 37	0 31	12 43	1 34	30 20	6 48	22 46	22 37	20 12		n.a.
T 19	17 44	15 24	4 59	21 51	0 18	16 37	0 16	23 15	1 30	22 45	1 3	23 43	0 0	23 37	0 31	12 43	1 34	30 21	6 48	22 47	22 38	20 10		n.a.
W20	18 0	19 50	4 36	21 38	0 33	17 0	0 14	23 8	1 29	22 43	1 3	23 43	0 0	23 37	0 31	12 43	1 34	30 21	6 48	22 49	22 38	20 8		n.a.
T 21	18 15	23 13	3 56	21 23	0 48	17 24	0 11	23 1	1 28	22 42	1 2	23 43	0 0	23 37	0 31	12 43	1 34	30 21	6 48	22 50	22 38	20 6		n.a.
F 22	18 31	25 12	3 0	21 8	1 4	17 46	0 9	22 54	1 27	22 40	1 2	23 43	0 0	23 37	0 31	12 43	1 34	30 22	6 49	22 50	22 39	20 3		n.a.
S 23	18 45	25 31	1 52	20 51	1 20	18 8	0 7	22 47	1 27	22 38	1 2	23 43	0 0	23 37	0 31	12 43	1 34	30 22	6 49	22 51	22 39	20 1		n.a.
S 24	19 0	24 6	0 37	20 34	1 36	18 30	0 4	22 40	1 26	22 37	1 2	23 43	0 1	23 38	0 31	12 43	1 34	30 22	6 49	22 51	22 40	19 59		n.a.
M25	19 14	21 5	0s41	20 16	1 52	18 51	0 2	22 32	1 25	22 35	1 2	23 44	0 1	23 38	0 31	12 43	1 34	30 22	6 49	22 51	22 40	19 57		n.a.
T 26	19 28	16 47	1 55	19 58	2 8	19 12	0n 0	22 25	1 24	22 33	1 2	23 44	0 1	23 38	0 31	12 43	1 34	30 23	6 49	22 51	22 40	19 55		n.a.
W27	19 42	11 36	3 2	19 39	2 24	19 32	0 3	22 17	1 23	22 31	1 2	23 44	0 1	23 38	0 31	12 43	1 34	30 23	6 50	22 51	22 41	19 52		n.a.
T 28	19 55	5 52	3 57	19 20	2 40	19 52	0 5	22 9	1 23	22 30	1 2	23 44	0 1	23 38	0 32	12 43	1 34	30 23	6 50	22 51	22 41	19 50		n.a.
F 29	20 8	0s 3	4 37	19 0	2 55	20 11	0 8	22 1	1 22	22 28	1 2	23 44	0 1	23 38	0 32	12 43	1 34	30 23	6 50	22 51	22 42	19 48		n.a.
S 30	20 20	5 53	5 1	18 41	3 9	20 30	0 10	21 53	1 21	22 26	1 2	23 45	0 1	23 39	0 32	12 42	1 34	30 24	6 50	22 51	22 42	19 46		n.a.
S 31	20n33	11s21	5s 8	18n22	3s23	20n48	0n12	21n45	1n20	22n24	1n 2	23s45	0s 1	23s39	0s32	12n42	1n34	30s24	6s50	22s52	22s42	19s44		n.a.

Julian Day Number = 1469520.5, Delta T = 05h32m13s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'54, Lahiri = -13°28'54 Julian Calendar 1 May 690 BCE == Greg. Calendar 24 Apr. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

JUNE 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 6 26	1♊26'58	29♎51	5°R53	2♊ 0	0♌35	25♋24	3°R40	13°R 6	1♍ 4	7°R22	15°R21	16♉44	28♉37	n.a.	M 1
T 2	16 10 22	2°24'03	12♏51	5♊17	3°14	1°10	25°34	3♉37	13♉ 4	1° 5	7♉21	15♉14	16°41	28°43	n.a.	T 2
W 3	16 14 19	3°21'07	25°38	4°39	4°28	1°45	25°44	3°33	13° 3	1° 5	7°20	15° 7	16°38	28°50	n.a.	W 3
T 4	16 18 15	4°18'12	8♐10	4° 2	5°41	2°21	25°54	3°30	13° 1	1° 6	7°19	15° 1	16°35	28°57	n.a.	T 4
F 5	16 22 12	5°15'17	20°30	3°25	6°55	2°56	26° 5	3°26	12°59	1° 6	7°18	14°57	16°32	29° 3	n.a.	F 5
S 6	16 26 8	6°12'22	2♉37	2°49	8° 9	3°32	26°15	3°22	12°58	1° 7	7°17	14°54	16°28	29°10	n.a.	S 6
S 7	16 30 5	7° 9'28	14°35	2°14	9°23	4° 8	26°25	3°18	12°56	1° 7	7°15	14°D53	16°25	29°17	n.a.	S 7
M 8	16 34 2	8° 6'35	26°26	1°43	10°36	4°43	26°36	3°15	12°54	1° 8	7°14	14°54	16°22	29°23	n.a.	M 8
T 9	16 37 58	9° 3'42	8♒14	1°14	11°50	5°19	26°46	3°11	12°52	1° 8	7°13	14°55	16°19	29°30	n.a.	T 9
W10	16 41 55	10° 0'49	20° 3	0°49	13° 4	5°55	26°57	3° 7	12°50	1° 9	7°12	14°57	16°16	29°37	n.a.	W10
T 11	16 45 51	10°57'57	1♓59	0°27	14°18	6°31	27° 8	3° 3	12°48	1°10	7°11	14°58	16°13	29°43	n.a.	T 11
F 12	16 49 48	11°55'06	14° 5	0°10	15°32	7° 7	27°19	2°59	12°46	1°10	7°10	14°R59	16° 9	29°50	n.a.	F 12
S 13	16 53 44	12°52'16	26°27	29♉58	16°46	7°44	27°29	2°55	12°44	1°11	7° 8	14°58	16° 6	29°57	n.a.	S 13
S 14	16 57 41	13°49'26	9♈ 9	29°51	17°59	8°20	27°40	2°51	12°43	1°12	7° 7	14°55	16° 3	0♒ 3	n.a.	S 14
M15	17 1 37	14°46'38	22°15	29°D49	19°13	8°56	27°51	2°47	12°40	1°13	7° 6	14°52	16° 0	0°10	n.a.	M15
T 16	17 5 34	15°43'50	5♉46	29°53	20°27	9°33	28° 3	2°43	12°38	1°13	7° 5	14°48	15°57	0°17	n.a.	T 16
W17	17 9 31	16°41'03	19°43	0♊ 2	21°41	10° 9	28°14	2°38	12°36	1°14	7° 3	14°44	15°53	0°23	n.a.	W17
T 18	17 13 27	17°38'18	4♊ 2	0°17	22°55	10°46	28°25	2°34	12°34	1°15	7° 2	14°40	15°50	0°30	n.a.	T 18
F 19	17 17 24	18°35'33	18°39	0°37	24° 9	11°22	28°36	2°30	12°32	1°16	7° 1	14°37	15°47	0°36	n.a.	F 19
S 20	17 21 20	19°32'48	3♋28	1° 4	25°23	11°59	28°48	2°26	12°30	1°17	7° 0	14°36	15°44	0°43	n.a.	S 20
S 21	17 25 17	20°30'05	18°20	1°36	26°37	12°36	28°59	2°21	12°28	1°18	6°58	14°D36	15°41	0°50	n.a.	S 21
M22	17 29 13	21°27'22	3♌ 9	2°14	27°51	13°13	29°11	2°17	12°26	1°19	6°57	14°36	15°38	0°56	n.a.	M22
T 23	17 33 10	22°24'40	17°48	2°58	29° 5	13°50	29°22	2°13	12°24	1°20	6°56	14°38	15°34	1° 3	n.a.	T 23
W24	17 37 7	23°21'58	2♍12	3°47	0♋19	14°27	29°34	2° 8	12°21	1°21	6°54	14°39	15°31	1°10	n.a.	W24
T 25	17 41 3	24°19'17	16°19	4°43	1°33	15° 4	29°46	2° 4	12°19	1°22	6°53	14°40	15°28	1°16	n.a.	T 25
F 26	17 45 0	25°16'36	0♎ 6	5°43	2°47	15°41	29°57	1°59	12°17	1°23	6°52	14°R40	15°25	1°23	n.a.	F 26
S 27	17 48 56	26°13'56	13°36	6°49	4° 1	16°19	0♌ 9	1°55	12°15	1°24	6°50	14°39	15°22	1°30	n.a.	S 27
S 28	17 52 53	27°11'17	26°47	8° 1	5°15	16°56	0°21	1°50	12°12	1°26	6°49	14°37	15°19	1°36	n.a.	S 28
M29	17 56 49	28° 8'39	9♏43	9°17	6°29	17°33	0°33	1°46	12°10	1°27	6°48	14°35	15°15	1°43	n.a.	M29
T 30	18 0 46	29♊ 6'02	22♏24	10♊39	7♋43	18♌11	0♌45	1♉41	12♉ 8	1♍28	6♉46	14♉33	15♉12	1♒50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n45	16s13	4s59	18n 3	3s36	21n 6	0n15	21n36	1n19	22n22	1n 2	23s45	0s 1	23s39	0s32	12n42	1n34	30s24	6s51	22s53	22s43	19s41		n.a.
T 2	20 56	20 15	4 34	17 46	3 47	21 23	0 17	21 28	1 19	22 20	1 2	23 45	0 1	23 39	0 32	12 42	1 33	30 24	6 51	22 54	22 43	19 39		n.a.
W 3	21 7	23 15	3 55	17 29	3 57	21 39	0 19	21 19	1 18	22 18	1 2	23 45	0 1	23 39	0 32	12 42	1 33	30 25	6 51	22 55	22 44	19 37		n.a.
T 4	21 18	25 2	3 6	17 13	4 7	21 55	0 22	21 10	1 17	22 16	1 1	23 45	0 2	23 39	0 32	12 41	1 33	30 25	6 51	22 55	22 44	19 35		n.a.
F 5	21 29	25 34	2 9	16 59	4 14	22 10	0 24	21 1	1 16	22 14	1 1	23 46	0 2	23 40	0 32	12 41	1 33	30 25	6 51	22 56	22 44	19 33		n.a.
S 6	21 39	24 51	1 6	16 46	4 20	22 24	0 26	20 52	1 16	22 12	1 1	23 46	0 2	23 40	0 32	12 41	1 33	30 25	6 51	22 56	22 45	19 30		n.a.
S 7	21 49	23 0	0 2	16 35	4 25	22 38	0 28	20 43	1 15	22 10	1 1	23 46	0 2	23 40	0 32	12 41	1 33	30 26	6 52	22 56	22 45	19 28		n.a.
M 8	21 58	20 8	1n 3	16 25	4 28	22 51	0 31	20 33	1 14	22 8	1 1	23 46	0 2	23 40	0 32	12 41	1 33	30 26	6 52	22 56	22 46	19 26		n.a.
T 9	22 7	16 28	2 4	16 18	4 30	23 4	0 33	20 24	1 13	22 6	1 1	23 46	0 2	23 40	0 32	12 40	1 33	30 26	6 52	22 56	22 46	19 24		n.a.
W10	22 16	12 9	3 0	16 13	4 29	23 16	0 35	20 14	1 13	22 4	1 1	23 47	0 2	23 41	0 32	12 40	1 33	30 26	6 52	22 56	22 46	19 21		n.a.
T 11	22 24	7 21	3 49	16 10	4 28	23 27	0 37	20 4	1 12	22 2	1 1	23 47	0 2	23 41	0 32	12 40	1 33	30 26	6 52	22 55	22 47	19 19		n.a.
F 12	22 32	2 13	4 29	16 9	4 25	23 38	0 39	19 54	1 11	21 59	1 1	23 47	0 2	23 41	0 32	12 39	1 33	30 27	6 52	22 55	22 47	19 17		n.a.
S 13	22 40	3n 6	4 57	16 11	4 21	23 48	0 41	19 44	1 10	21 57	1 1	23 47	0 2	23 41	0 32	12 39	1 33	30 27	6 53	22 56	22 48	19 15		n.a.
S 14	22 47	8 26	5 12	16 15	4 15	23 57	0 43	19 33	1 10	21 55	1 1	23 47	0 3	23 41	0 32	12 39	1 33	30 27	6 53	22 56	22 48	19 12		n.a.
M15	22 54	13 34	5 11	16 22	4 8	24 5	0 45	19 23	1 9	21 53	1 1	23 48	0 3	23 42	0 32	12 39	1 33	30 27	6 53	22 56	22 48	19 10		n.a.
T 16	23 0	18 13	4 53	16 30	4 0	24 13	0 47	19 12	1 8	21 50	1 1	23 48	0 3	23 42	0 32	12 38	1 33	30 28	6 53	22 57	22 49	19 8		n.a.
W17	23 6	22 2	4 17	16 41	3 51	24 20	0 49	19 2	1 7	21 48	1 1	23 48	0 3	23 42	0 32	12 38	1 33	30 28	6 53	22 57	22 49	19 6		n.a.
T 18	23 12	24 36	3 25	16 54	3 41	24 27	0 51	18 51	1 7	21 46	1 1	23 48	0 3	23 42	0 32	12 37	1 33	30 28	6 53	22 58	22 49	19 3		n.a.
F 19	23 17	25 35	2 18	17 9	3 30	24 32	0 53	18 40	1 6	21 43	1 1	23 48	0 3	23 43	0 32	12 37	1 33	30 28	6 53	22 58	22 50	19 1		n.a.
S 20	23 22	24 45	1 1	17 25	3 19	24 37	0 55	18 29	1 5	21 41	1 1	23 48	0 3	23 43	0 32	12 37	1 33	30 28	6 54	22 58	22 50	18 59		n.a.
S 21	23 26	22 10	0s21	17 44	3 7	24 41	0 57	18 18	1 4	21 39	1 1	23 49	0 3	23 43	0 32	12 36	1 33	30 29	6 54	22 58	22 51	18 57		n.a.
M22	23 30	18 6	1 41	18 4	2 54	24 44	0 59	18 6	1 4	21 36	1 1	23 49	0 3	23 43	0 32	12 36	1 33	30 29	6 54	22 58	22 51	18 54		n.a.
T 23	23 33	12 58	2 53	18 25	2 41	24 47	1 1	17 55	1 3	21 34	1 1	23 49	0 3	23 43	0 32	12 36	1 33	30 29	6 54	22 58	22 51	18 52		n.a.
W24	23 37	7 13	3 53	18 48	2 27	24 49	1 2	17 43	1 2	21 31	1 1	23 49	0 3	23 44	0 32	12 35	1 33	30 29	6 54	22 58	22 52	18 50		n.a.
T 25	23 39	1 13	4 38	19 12	2 13	24 50	1 4	17 31	1 1	21 29	1 1	23 49	0 4	23 44	0 32	12 35	1 33	30 29	6 54	22 58	22 52	18 47		n.a.
F 26	23 42	4s42	5 6	19 37	1 59	24 50	1 6	17 19	1 1	21 26	1 1	23 49	0 4	23 44	0 32	12 34	1 32	30 30	6 54	22 58	22 52	18 45		n.a.
S 27	23 43	10 16	5 16	20 2	1 45	24 50	1 7	17 7	1 0	21 23	1 1	23 50	0 4	23 44	0 32	12 34	1 32	30 30	6 54	22 58	22 53	18 43		n.a.
S 28	23 45	15 15	5 9	20 28	1 30	24 49	1 9	16 55	0 59	21 21	1 1	23 50	0 4	23 45	0 32	12 33	1 32	30 30	6 54	22 58	22 53	18 40		n.a.
M29	23 46	19 26	4 46	20 54	1 16	24 47	1 10	16 43	0 58	21 18	1 1	23 50	0 4	23 45	0 32	12 33	1 32	30 30	6 55	22 58	22 54	18 38		n.a.
T 30	23n47	22s39	4s10	21n20	1s 2	24n44	1n12	16n30	0n58	21n16	1n 0	23s50	0s 4	23s45	0s32	12n32	1n32	30s30	6s55	22s58	22s54	18s36		n.a.

Julian Day Number = 1469551.5, Delta T = 05h32m11s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'50, Lahiri = -13°28'50 Julian Calendar 1 June 690 BCE == Greg. Calendar 25 May 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

JULY 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 4 42	0♋ 3'25	4♐51	12♊ 6	8♋57	18♌49	0♌57	1°R37	12°R 5	1♍29	6°R45	14°R31	15♉ 9	1♒56	n.a.	W 1
T 2	18 8 39	1° 0'50	17° 7	13°37	10°11	19°26	1° 9	1♉32	12♉ 3	1°31	6♉44	14♉29	15° 6	2° 3	n.a.	T 2
F 3	18 12 36	1°58'16	29°14	15°12	11°25	20° 4	1°21	1°28	12° 1	1°32	6°42	14°28	15° 3	2°10	n.a.	F 3
S 4	18 16 32	2°55'43	11♉12	16°52	12°39	20°42	1°33	1°23	11°58	1°33	6°41	14°D28	15° 0	2°16	n.a.	S 4
S 5	18 20 29	3°53'11	23° 4	18°35	13°53	21°20	1°45	1°19	11°56	1°35	6°40	14°28	14°56	2°23	n.a.	S 5
M 6	18 24 25	4°50'40	4♒53	20°22	15° 7	21°58	1°58	1°14	11°54	1°36	6°38	14°28	14°53	2°30	n.a.	M 6
T 7	18 28 22	5°48'11	16°41	22°12	16°21	22°36	2°10	1°10	11°51	1°37	6°37	14°29	14°50	2°36	n.a.	T 7
W 8	18 32 18	6°45'44	28°31	24° 5	17°35	23°14	2°22	1° 6	11°49	1°39	6°35	14°30	14°47	2°43	n.a.	W 8
T 9	18 36 15	7°43'17	10♓27	26° 0	18°49	23°52	2°35	1° 1	11°46	1°40	6°34	14°31	14°44	2°50	n.a.	T 9
F 10	18 40 11	8°40'53	22°33	27°57	20° 3	24°30	2°47	0°57	11°44	1°42	6°33	14°31	14°40	2°56	n.a.	F 10
S 11	18 44 8	9°38'30	4♈54	29°55	21°17	25° 9	2°59	0°52	11°42	1°43	6°31	14°R32	14°37	3° 3	n.a.	S 11
S 12	18 48 5	10°36'08	17°33	1♋55	22°32	25°47	3°12	0°48	11°39	1°45	6°30	14°32	14°34	3° 9	n.a.	S 12
M13	18 52 1	11°33'49	0♉35	3°56	23°46	26°25	3°24	0°43	11°37	1°46	6°29	14°31	14°31	3°16	n.a.	M13
T 14	18 55 58	12°31'31	14° 1	5°58	25° 0	27° 4	3°37	0°39	11°34	1°48	6°27	14°31	14°28	3°23	n.a.	T 14
W15	18 59 54	13°29'15	27°55	7°59	26°14	27°43	3°50	0°35	11°32	1°50	6°26	14°31	14°25	3°29	n.a.	W15
T 16	19 3 51	14°27'01	12♊15	10° 1	27°28	28°21	4° 2	0°30	11°30	1°51	6°25	14°D31	14°21	3°36	n.a.	T 16
F 17	19 7 47	15°24'49	26°57	12° 3	28°42	29° 0	4°15	0°26	11°27	1°53	6°23	14°31	14°18	3°43	n.a.	F 17
S 18	19 11 44	16°22'38	11♋56	14° 4	29°56	29°39	4°28	0°22	11°25	1°54	6°22	14°R31	14°15	3°49	n.a.	S 18
S 19	19 15 41	17°20'29	27° 4	16° 4	1♌11	0♍18	4°40	0°18	11°23	1°56	6°21	14°31	14°12	3°56	n.a.	S 19
M20	19 19 37	18°18'21	12♌11	18° 4	2°25	0°57	4°53	0°14	11°20	1°58	6°19	14°31	14° 9	4° 3	n.a.	M20
T 21	19 23 34	19°16'15	27° 9	20° 2	3°39	1°36	5° 6	0° 9	11°18	2° 0	6°18	14°30	14° 5	4° 9	n.a.	T 21
W22	19 27 30	20°14'10	11♍51	22° 0	4°53	2°15	5°19	0° 5	11°15	2° 1	6°17	14°30	14° 2	4°16	n.a.	W22
T 23	19 31 27	21°12'07	26°10	23°57	6° 7	2°54	5°31	0° 1	11°13	2° 3	6°15	14°29	13°59	4°23	n.a.	T 23
F 24	19 35 23	22°10'05	10♎ 5	25°52	7°21	3°34	5°44	29♐57	11°11	2° 5	6°14	14°29	13°56	4°29	n.a.	F 24
S 25	19 39 20	23° 8'05	23°35	27°47	8°36	4°13	5°57	29°53	11° 8	2° 7	6°13	14°D29	13°53	4°36	n.a.	S 25
S 26	19 43 16	24° 6'06	6♏41	29°40	9°50	4°52	6°10	29°49	11° 6	2° 9	6°11	14°29	13°50	4°43	n.a.	S 26
M27	19 47 13	25° 4'08	19°27	1♌32	11° 4	5°32	6°23	29°46	11° 4	2°10	6°10	14°29	13°46	4°49	n.a.	M27
T 28	19 51 10	26° 2'12	1♐55	3°22	12°18	6°11	6°36	29°42	11° 1	2°12	6° 9	14°30	13°43	4°56	n.a.	T 28
W29	19 55 6	27° 0'18	14°10	5°12	13°32	6°51	6°49	29°38	10°59	2°14	6° 7	14°32	13°40	5° 3	n.a.	W29
T 30	19 59 3	27°58'25	26°13	7° 0	14°47	7°31	7° 2	29°34	10°57	2°16	6° 6	14°33	13°37	5° 9	n.a.	T 30
F 31	20 2 59	28♋56'35	8♉10	8♌47	16♌ 1	8♍11	7♌15	29♐31	10♉55	2♍18	6♉ 5	14♉33	13♉34	5♒16	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n47	24s43	3s22	21n46	0s48	24n41	1n13	16n18	0n57	21n13	1n 0	23s50	0s 4	23s45	0s32	12n32	1n32	30s30	6s55	22s59	22s54	18s33			n.a.
T 2	23 46	25 34	2 26	22 11	0 34	24 37	1 14	16 5	0 56	21 10	1 0	23 50	0 4	23 45	0 32	12 31	1 32	30 31	6 55	22 59	22 55	18 31			n.a.
F 3	23 46	25 10	1 23	22 36	0 21	24 32	1 15	15 53	0 55	21 7	1 0	23 51	0 4	23 46	0 32	12 31	1 32	30 31	6 55	22 59	22 55	18 29			n.a.
S 4	23 45	23 36	0 18	22 59	0 8	24 26	1 17	15 40	0 55	21 5	1 0	23 51	0 4	23 46	0 32	12 30	1 32	30 31	6 55	22 59	22 55	18 26			n.a.
S 5	23 43	21 0	0n48	23 21	0n 5	24 20	1 18	15 27	0 54	21 2	1 0	23 51	0 4	23 46	0 32	12 30	1 32	30 31	6 55	22 59	22 56	18 24			n.a.
M 6	23 41	17 31	1 51	23 42	0 17	24 13	1 19	15 13	0 53	20 59	1 0	23 51	0 5	23 46	0 32	12 29	1 32	30 31	6 55	22 59	22 56	18 22			n.a.
T 7	23 39	13 22	2 50	24 1	0 28	24 5	1 20	15 0	0 53	20 56	1 0	23 51	0 5	23 47	0 32	12 29	1 32	30 31	6 55	22 59	22 56	18 19			n.a.
W 8	23 36	8 42	3 41	24 17	0 39	23 56	1 21	14 47	0 52	20 53	1 0	23 51	0 5	23 47	0 32	12 28	1 32	30 32	6 55	22 59	22 57	18 17			n.a.
T 9	23 33	3 42	4 23	24 32	0 49	23 47	1 22	14 33	0 51	20 51	1 0	23 51	0 5	23 47	0 32	12 28	1 32	30 32	6 55	22 59	22 57	18 15			n.a.
F 10	23 29	1n30	4 55	24 44	0 58	23 37	1 23	14 20	0 50	20 48	1 0	23 51	0 5	23 47	0 32	12 27	1 32	30 32	6 55	22 58	22 57	18 12			n.a.
S 11	23 25	6 45	5 13	24 53	1 6	23 26	1 23	14 6	0 50	20 45	1 0	23 52	0 5	23 48	0 32	12 26	1 32	30 32	6 56	22 58	22 58	18 10			n.a.
S 12	23 21	11 51	5 17	25 0	1 14	23 15	1 24	13 52	0 49	20 42	1 0	23 52	0 5	23 48	0 32	12 26	1 32	30 32	6 56	22 58	22 58	18 8			n.a.
M13	23 16	16 35	5 5	25 4	1 21	23 3	1 25	13 38	0 48	20 39	1 0	23 52	0 5	23 48	0 32	12 25	1 32	30 32	6 56	22 58	22 59	18 5			n.a.
T 14	23 11	20 40	4 37	25 5	1 27	22 50	1 25	13 24	0 47	20 36	1 0	23 52	0 5	23 48	0 32	12 25	1 32	30 32	6 56	22 58	22 59	18 3			n.a.
W15	23 5	23 43	3 51	25 4	1 32	22 37	1 26	13 10	0 47	20 33	1 0	23 52	0 5	23 48	0 32	12 24	1 32	30 32	6 56	22 59	22 59	18 1			n.a.
T 16	22 59	25 23	2 50	25 0	1 36	22 22	1 26	12 56	0 46	20 30	1 0	23 52	0 5	23 49	0 32	12 23	1 32	30 33	6 56	22 59	23 0	17 58			n.a.
F 17	22 52	25 21	1 36	24 53	1 40	22 8	1 27	12 41	0 45	20 27	1 0	23 52	0 6	23 49	0 32	12 23	1 32	30 33	6 56	22 59	23 0	17 56			n.a.
S 18	22 46	23 28	0 14	24 44	1 43	21 52	1 27	12 27	0 45	20 24	1 0	23 52	0 6	23 49	0 32	12 22	1 32	30 33	6 56	22 59	23 0	17 54			n.a.
S 19	22 38	19 55	1s 9	24 32	1 45	21 36	1 28	12 12	0 44	20 21	1 0	23 52	0 6	23 49	0 32	12 22	1 32	30 33	6 56	22 59	23 1	17 51			n.a.
M20	22 30	15 1	2 28	24 18	1 47	21 19	1 28	11 58	0 43	20 18	1 0	23 53	0 6	23 49	0 32	12 21	1 32	30 33	6 56	22 59	23 1	17 49			n.a.
T 21	22 22	9 16	3 35	24 2	1 47	21 2	1 28	11 43	0 42	20 14	1 1	23 53	0 6	23 50	0 32	12 20	1 32	30 33	6 56	22 59	23 1	17 46			n.a.
W22	22 14	3 6	4 28	23 43	1 48	20 44	1 28	11 28	0 42	20 11	1 1	23 53	0 6	23 50	0 32	12 20	1 32	30 33	6 56	22 59	23 2	17 44			n.a.
T 23	22 5	3s 3	5 1	23 23	1 47	20 26	1 28	11 13	0 41	20 8	1 1	23 53	0 6	23 50	0 32	12 19	1 32	30 33	6 56	22 59	23 2	17 42			n.a.
F 24	21 56	8 53	5 17	23 0	1 46	20 7	1 28	10 58	0 40	20 5	1 1	23 53	0 6	23 50	0 32	12 18	1 32	30 33	6 56	22 59	23 2	17 39			n.a.
S 25	21 46	14 7	5 14	22 36	1 44	19 47	1 28	10 43	0 39	20 2	1 1	23 53	0 6	23 50	0 32	12 18	1 32	30 33	6 56	22 59	23 3	17 37			n.a.
S 26	21 36	18 33	4 54	22 11	1 42	19 27	1 28	10 27	0 39	19 58	1 1	23 53	0 6	23 51	0 32	12 17	1 32	30 34	6 56	22 59	23 3	17 34			n.a.
M27	21 25	22 0	4 20	21 43	1 40	19 6	1 27	10 12	0 38	19 55	1 1	23 53	0 6	23 51	0 32	12 16	1 32	30 34	6 56	22 59	23 3	17 32			n.a.
T 28	21 14	24 21	3 35	21 15	1 37	18 44	1 27	9 57	0 37	19 52	1 1	23 53	0 7	23 51	0 32	12 15	1 32	30 34	6 56	22 59	23 4	17 30			n.a.
W29	21 3	25 29	2 41	20 45	1 33	18 23	1 27	9 41	0 37	19 49	1 1	23 53	0 7	23 51	0 32	12 15	1 31	30 34	6 56	22 58	23 4	17 27			n.a.
T 30	20 52	25 23	1 40	20 14	1 29	18 0	1 26	9 25	0 36	19 45	1 1	23 53	0 7	23 51	0 32	12 14	1 31	30 34	6 56	22 58	23 4	17 25			n.a.
F 31	20n40	24s 7	0s35	19n41	1n25	17n37	1n26	9n10	0n35	19n42	1n 1	23s53	0s 7	23s52	0s32	12n13	1n31	30s34	6s56	22s58	23s 5	17s22			n.a.

Julian Day Number = 1469581.5, Delta T = 05h32m10s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'46, Lahiri = -13°28'46 Julian Calendar 1 July 690 BCE == Greg. Calendar 24 June 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

AUGUST 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 6 56	29♋54'45	20♉ 1	10♌33	17♌15	8♍50	7♌28	29°R27	10°R52	2♍20	6°R 4	14°R33	13♉31	5♒23	n.a.	S 1
S 2	20 10 52	0♌52'58	1♒50	12°17	18°29	9°30	7°41	29♐24	10♉50	2°22	6♉ 3	14♉32	13°27	5°29	n.a.	S 2
M 3	20 14 49	1°51'12	13°38	14° 0	19°43	10°10	7°54	29°20	10°48	2°24	6° 1	14°31	13°24	5°36	n.a.	M 3
T 4	20 18 45	2°49'29	25°28	15°42	20°57	10°50	8° 7	29°17	10°46	2°26	6° 0	14°28	13°21	5°43	n.a.	T 4
W 5	20 22 42	3°47'47	7♓23	17°23	22°12	11°30	8°20	29°14	10°44	2°28	5°59	14°25	13°18	5°49	n.a.	W 5
T 6	20 26 38	4°46'08	19°23	19° 3	23°26	12°11	8°33	29°10	10°42	2°30	5°58	14°22	13°15	5°56	n.a.	T 6
F 7	20 30 35	5°44'31	1♈34	20°42	24°40	12°51	8°46	29° 7	10°39	2°32	5°57	14°19	13°11	6° 3	n.a.	F 7
S 8	20 34 32	6°42'55	13°56	22°19	25°54	13°31	8°59	29° 4	10°37	2°34	5°56	14°17	13° 8	6° 9	n.a.	S 8
S 9	20 38 28	7°41'23	26°34	23°56	27° 8	14°11	9°12	29° 1	10°35	2°36	5°54	14°15	13° 5	6°16	n.a.	S 9
M10	20 42 25	8°39'52	9♉31	25°31	28°22	14°52	9°25	28°58	10°33	2°38	5°53	14°D15	13° 2	6°23	n.a.	M10
T 11	20 46 21	9°38'24	22°50	27° 5	29°36	15°32	9°38	28°55	10°31	2°40	5°52	14°15	12°59	6°29	n.a.	T 11
W12	20 50 18	10°36'58	6♊33	28°38	0♍51	16°13	9°51	28°52	10°29	2°42	5°51	14°17	12°56	6°36	n.a.	W12
T 13	20 54 14	11°35'35	20°42	0♍10	2° 5	16°54	10° 4	28°50	10°27	2°44	5°50	14°18	12°52	6°42	n.a.	T 13
F 14	20 58 11	12°34'14	5♋15	1°41	3°19	17°34	10°17	28°47	10°25	2°47	5°49	14°19	12°49	6°49	n.a.	F 14
S 15	21 2 7	13°32'55	20° 9	3°11	4°33	18°15	10°31	28°45	10°24	2°49	5°48	14°R19	12°46	6°56	n.a.	S 15
S 16	21 6 4	14°31'38	5♌17	4°40	5°47	18°56	10°44	28°42	10°22	2°51	5°47	14°18	12°43	7° 2	n.a.	S 16
M17	21 10 1	15°30'24	20°31	6° 7	7° 1	19°37	10°57	28°40	10°20	2°53	5°46	14°15	12°40	7° 9	n.a.	M17
T 18	21 13 57	16°29'11	5♍40	7°34	8°16	20°18	11°10	28°38	10°18	2°55	5°45	14°11	12°37	7°16	n.a.	T 18
W19	21 17 54	17°28'01	20°34	8°59	9°30	20°59	11°23	28°35	10°16	2°57	5°44	14° 6	12°33	7°22	n.a.	W19
T 20	21 21 50	18°26'52	5♎ 6	10°23	10°44	21°40	11°36	28°33	10°15	3° 0	5°43	14° 1	12°30	7°29	n.a.	T 20
F 21	21 25 47	19°25'45	19°11	11°47	11°58	22°22	11°49	28°31	10°13	3° 2	5°42	13°57	12°27	7°36	n.a.	F 21
S 22	21 29 43	20°24'40	2♏48	13° 8	13°12	23° 3	12° 2	28°29	10°11	3° 4	5°41	13°54	12°24	7°42	n.a.	S 22
S 23	21 33 40	21°23'38	15°57	14°29	14°26	23°44	12°15	28°27	10°10	3° 6	5°40	13°D53	12°21	7°49	n.a.	S 23
M24	21 37 36	22°22'37	28°41	15°48	15°40	24°26	12°28	28°26	10° 8	3° 8	5°40	13°53	12°17	7°56	n.a.	M24
T 25	21 41 33	23°21'37	11♐ 5	17° 7	16°54	25° 7	12°41	28°24	10° 6	3°11	5°39	13°54	12°14	8° 2	n.a.	T 25
W26	21 45 30	24°20'40	23°13	18°23	18° 8	25°49	12°54	28°23	10° 5	3°13	5°38	13°56	12°11	8° 9	n.a.	W26
T 27	21 49 26	25°19'45	5♑10	19°38	19°22	26°30	13° 7	28°21	10° 3	3°15	5°37	13°57	12° 8	8°16	n.a.	T 27
F 28	21 53 23	26°18'52	17° 1	20°52	20°37	27°12	13°20	28°20	10° 2	3°17	5°36	13°R57	12° 5	8°22	n.a.	F 28
S 29	21 57 19	27°18'00	28°49	22° 4	21°51	27°54	13°32	28°18	10° 1	3°19	5°36	13°56	12° 2	8°29	n.a.	S 29
S 30	22 1 16	28°17'11	10♒37	23°14	23° 5	28°36	13°45	28°17	9°59	3°22	5°35	13°53	11°58	8°36	n.a.	S 30
M31	22 5 12	29♌16'23	22♒28	24♍22	24♍19	29♍17	13♌58	28♐16	9♑58	3♍24	5♑34	13♑47	11♑55	8♒42	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	20n27	21s46	0n30	19n 8	1n21	17n14	1n25	8n54	0n34	19n39	1n 1	23s54	0s 7	23s52	0s32	12n13	1n31	30s34	6s56	22s58	23s 5	17s20		n.a.	S 1
S 2	20 15	18 30	1 34	18 34	1 16	16 50	1 24	8 38	0 34	19 35	1 1	23 54	0 7	23 52	0 32	12 12	1 31	30 34	6 56	22 58	23 5	17 17		n.a.	S 2
M 3	20 2	14 31	2 34	17 59	1 11	16 26	1 24	8 22	0 33	19 32	1 1	23 54	0 7	23 52	0 32	12 11	1 31	30 34	6 56	22 59	23 6	17 15		n.a.	M 3
T 4	19 48	9 58	3 27	17 23	1 5	16 1	1 23	8 6	0 32	19 29	1 1	23 54	0 7	23 52	0 32	12 10	1 31	30 34	6 56	22 59	23 6	17 13		n.a.	T 4
W 5	19 35	5 2	4 12	16 47	0 59	15 36	1 22	7 50	0 32	19 25	1 1	23 54	0 7	23 53	0 32	12 10	1 31	30 34	6 56	22 59	23 6	17 10		n.a.	W 5
T 6	19 21	0n 7	4 46	16 10	0 53	15 10	1 21	7 34	0 31	19 22	1 1	23 54	0 7	23 53	0 32	12 9	1 31	30 34	6 56	22 59	23 7	17 8		n.a.	T 6
F 7	19 6	5 19	5 7	15 32	0 47	14 45	1 20	7 18	0 30	19 18	1 1	23 54	0 7	23 53	0 32	12 8	1 31	30 34	6 56	23 0	23 7	17 5		n.a.	F 7
S 8	18 51	10 23	5 15	14 54	0 40	14 18	1 19	7 1	0 29	19 15	1 1	23 54	0 8	23 53	0 32	12 7	1 31	30 34	6 56	23 0	23 7	17 3		n.a.	S 8
S 9	18 36	15 9	5 8	14 16	0 34	13 51	1 18	6 45	0 29	19 11	1 1	23 54	0 8	23 53	0 32	12 7	1 31	30 34	6 56	23 0	23 7	17 0		n.a.	S 9
M10	18 21	19 21	4 45	13 37	0 27	13 24	1 17	6 28	0 28	19 8	1 1	23 54	0 8	23 53	0 32	12 6	1 31	30 34	6 56	23 0	23 8	16 58		n.a.	M10
T 11	18 5	22 42	4 6	12 58	0 20	12 57	1 15	6 12	0 27	19 4	1 1	23 54	0 8	23 54	0 32	12 5	1 31	30 34	6 56	23 0	23 8	16 56		n.a.	T 11
W12	17 49	24 53	3 13	12 19	0 13	12 29	1 14	5 55	0 26	19 1	1 1	23 54	0 8	23 54	0 32	12 4	1 31	30 34	6 56	23 0	23 8	16 53		n.a.	W12
T 13	17 33	25 33	2 6	11 39	0 6	12 1	1 13	5 38	0 26	18 57	1 1	23 54	0 8	23 54	0 32	12 3	1 31	30 34	6 56	23 0	23 9	16 51		n.a.	T 13
F 14	17 16	24 30	0 50	11 0	0s 2	11 32	1 11	5 22	0 25	18 54	1 1	23 54	0 8	23 54	0 32	12 3	1 31	30 34	6 56	23 0	23 9	16 48		n.a.	F 14
S 15	17 0	21 43	0s32	10 20	0 9	11 3	1 10	5 5	0 24	18 50	1 2	23 54	0 8	23 54	0 32	12 2	1 31	30 34	6 56	23 0	23 9	16 46		n.a.	S 15
S 16	16 42	17 24	1 52	9 40	0 17	10 34	1 8	4 48	0 24	18 47	1 2	23 54	0 8	23 54	0 32	12 1	1 31	30 34	6 56	23 0	23 10	16 43		n.a.	S 16
M17	16 25	11 56	3 5	9 1	0 25	10 5	1 7	4 31	0 23	18 43	1 2	23 55	0 8	23 54	0 32	12 0	1 31	30 34	6 56	23 0	23 10	16 41		n.a.	M17
T 18	16 7	5 47	4 5	8 21	0 32	9 35	1 5	4 14	0 22	18 40	1 2	23 55	0 8	23 55	0 32	11 59	1 31	30 34	6 56	23 1	23 10	16 38		n.a.	T 18
W19	15 49	0s35	4 46	7 42	0 40	9 6	1 3	3 57	0 21	18 36	1 2	23 55	0 8	23 55	0 32	11 59	1 31	30 34	6 55	23 1	23 11	16 36		n.a.	W19
T 20	15 31	6 45	5 8	7 2	0 48	8 35	1 1	3 40	0 21	18 32	1 2	23 55	0 8	23 55	0 32	11 58	1 31	30 34	6 55	23 2	23 11	16 33		n.a.	T 20
F 21	15 12	12 23	5 11	6 23	0 56	8 5	1 0	3 23	0 20	18 29	1 2	23 55	0 9	23 55	0 32	11 57	1 31	30 34	6 55	23 2	23 11	16 31		n.a.	F 21
S 22	14 53	17 14	4 55	5 44	1 4	7 35	0 58	3 6	0 19	18 25	1 2	23 55	0 9	23 55	0 32	11 56	1 31	30 34	6 55	23 2	23 11	16 28		n.a.	S 22
S 23	14 34	21 4	4 25	5 5	1 12	7 4	0 56	2 48	0 19	18 22	1 2	23 55	0 9	23 55	0 32	11 55	1 31	30 34	6 55	23 3	23 12	16 26		n.a.	S 23
M24	14 15	23 45	3 42	4 27	1 20	6 33	0 54	2 31	0 18	18 18	1 2	23 55	0 9	23 55	0 32	11 55	1 31	30 34	6 55	23 3	23 12	16 23		n.a.	M24
T 25	13 55	25 13	2 49	3 49	1 27	6 2	0 52	2 14	0 17	18 14	1 2	23 55	0 9	23 55	0 32	11 54	1 31	30 34	6 55	23 2	23 12	16 21		n.a.	T 25
W26	13 36	25 26	1 50	3 12	1 35	5 31	0 49	1 56	0 17	18 11	1 2	23 55	0 9	23 55	0 32	11 53	1 31	30 34	6 55	23 2	23 13	16 18		n.a.	W26
T 27	13 16	24 28	0 48	2 35	1 43	4 59	0 47	1 39	0 16	18 7	1 2	23 55	0 9	23 56	0 32	11 52	1 31	30 34	6 55	23 2	23 13	16 16		n.a.	T 27
F 28	12 55	22 24	0n17	1 59	1 51	4 28	0 45	1 22	0 15	18 3	1 3	23 55	0 9	23 56	0 32	11 51	1 31	30 34	6 55	23 2	23 13	16 13		n.a.	F 28
S 29	12 35	19 23	1 20	1 23	1 58	3 56	0 43	1 4	0 14	18 0	1 3	23 55	0 9	23 56	0 32	11 51	1 31	30 34	6 55	23 2	23 14	16 11		n.a.	S 29
S 30	12 14	15 35	2 19	0 48	2 6	3 24	0 40	0 47	0 14	17 56	1 3	23 55	0 9	23 56	0 32	11 50	1 31	30 34	6 55	23 3	23 14	16 8		n.a.	S 30
M31	11n53	11s11	3n13	0n14	2s13	2n52	0n38	0n29	0n13	17n52	1n 3	23s55	0s 9	23s56	0s32	11n49	1n31	30s34	6s55	23s 3	23s14	16s 6		n.a.	M31

Julian Day Number = 1469612.5, Delta T = 05h32m08s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'42, Lahiri = -13°28'41 Julian Calendar 1 Aug. 690 BCE == Greg. Calendar 25 July 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

SEPTEMBER 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 9 9	0♍15'38	4♓24	25♍29	25♍33	29♍59	14♌11	28°R15	9°R57	3♍26	5°R34	13°R40	11♑52	8♒49	n.a.	T 1
W 2	22 13 5	1°14'55	16°27	26°33	26°47	0♎41	14°24	28♐14	9♑56	3°28	5♑33	13♑31	11°49	8°56	n.a.	W 2
T 3	22 17 2	2°14'14	28°38	27°35	28° 1	1°23	14°36	28°14	9°54	3°31	5°32	13°22	11°46	9° 2	n.a.	T 3
F 4	22 20 58	3°13'36	10♈59	28°34	29°14	2° 6	14°49	28°13	9°53	3°33	5°32	13°13	11°43	9° 9	n.a.	F 4
S 5	22 24 55	4°13'00	23°30	29°30	0♎28	2°48	15° 2	28°12	9°52	3°35	5°31	13° 5	11°39	9°16	n.a.	S 5
S 6	22 28 52	5°12'26	6♉14	0♎24	1°42	3°30	15°15	28°12	9°51	3°37	5°31	12°59	11°36	9°22	n.a.	S 6
M 7	22 32 48	6°11'54	19°12	1°14	2°56	4°12	15°27	28°12	9°50	3°40	5°30	12°55	11°33	9°29	n.a.	M 7
T 8	22 36 45	7°11'26	2♊27	2° 0	4°10	4°55	15°40	28°11	9°49	3°42	5°29	12°D54	11°30	9°36	n.a.	T 8
W 9	22 40 41	8°10'59	16° 1	2°43	5°24	5°37	15°52	28°11	9°48	3°44	5°29	12°54	11°27	9°42	n.a.	W 9
T 10	22 44 38	9°10'35	29°56	3°21	6°38	6°20	16° 5	28°D11	9°47	3°46	5°29	12°55	11°23	9°49	n.a.	T 10
F 11	22 48 34	10°10'14	14♋13	3°55	7°52	7° 2	16°17	28°11	9°46	3°48	5°28	12°R55	11°20	9°56	n.a.	F 11
S 12	22 52 31	11° 9'55	28°50	4°23	9° 6	7°45	16°30	28°11	9°46	3°51	5°28	12°54	11°17	10° 2	n.a.	S 12
S 13	22 56 27	12° 9'38	13♌43	4°45	10°20	8°28	16°42	28°11	9°45	3°53	5°27	12°51	11°14	10° 9	n.a.	S 13
M14	23 0 24	13° 9'24	28°45	5° 1	11°33	9°11	16°55	28°12	9°44	3°55	5°27	12°45	11°11	10°16	n.a.	M14
T 15	23 4 21	14° 9'11	13♍48	5°11	12°47	9°54	17° 7	28°12	9°44	3°57	5°27	12°37	11° 8	10°22	n.a.	T 15
W16	23 8 17	15° 9'01	28°42	5°R13	14° 1	10°37	17°19	28°13	9°43	4° 0	5°26	12°27	11° 4	10°29	n.a.	W16
T 17	23 12 14	16° 8'53	13♎18	5° 7	15°15	11°20	17°32	28°13	9°42	4° 2	5°26	12°17	11° 1	10°36	n.a.	T 17
F 18	23 16 10	17° 8'46	27°29	4°53	16°29	12° 3	17°44	28°14	9°42	4° 4	5°26	12° 8	10°58	10°42	n.a.	F 18
S 19	23 20 7	18° 8'42	11♏12	4°30	17°43	12°46	17°56	28°15	9°42	4° 6	5°26	12° 0	10°55	10°49	n.a.	S 19
S 20	23 24 3	19° 8'39	24°26	3°58	18°56	13°29	18° 8	28°16	9°41	4° 8	5°25	11°55	10°52	10°56	n.a.	S 20
M21	23 28 0	20° 8'39	7♐14	3°18	20°10	14°12	18°20	28°17	9°41	4°11	5°25	11°52	10°48	11° 2	n.a.	M21
T 22	23 31 56	21° 8'40	19°39	2°28	21°24	14°55	18°32	28°18	9°41	4°13	5°25	11°D51	10°45	11° 9	n.a.	T 22
W23	23 35 53	22° 8'43	1♑47	1°30	22°37	15°39	18°44	28°20	9°40	4°15	5°25	11°52	10°42	11°16	n.a.	W23
T 24	23 39 49	23° 8'47	13°43	0°25	23°51	16°22	18°56	28°21	9°40	4°17	5°25	11°R52	10°39	11°22	n.a.	T 24
F 25	23 43 46	24° 8'53	25°32	29♍14	25° 5	17° 6	19° 8	28°22	9°40	4°19	5°25	11°51	10°36	11°29	n.a.	F 25
S 26	23 47 43	25° 9'01	7♒19	27°59	26°18	17°49	19°20	28°24	9°40	4°21	5°D25	11°48	10°33	11°36	n.a.	S 26
S 27	23 51 39	26° 9'11	19° 9	26°41	27°32	18°33	19°31	28°26	9°D40	4°23	5°25	11°42	10°29	11°42	n.a.	S 27
M28	23 55 36	27° 9'22	1♓ 5	25°24	28°46	19°17	19°43	28°27	9°40	4°25	5°25	11°34	10°26	11°49	n.a.	M28
T 29	23 59 32	28° 9'36	13° 9	24°10	29°59	20° 0	19°54	28°29	9°40	4°28	5°25	11°23	10°23	11°56	n.a.	T 29
W30	0 3 29	29♍ 9'51	25♓24	23♍ 0	1♏13	20♎44	20♌ 6	28♐31	9♑40	4♍30	5♑25	11♑10	10♑20	12♒ 2	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n32	6s20	3n58	0s19	2s20	2n20	0n36	0n11	0n12	17n49	1n 3	23s55	0s 9	23s56	0s32	11n48	1n31	30s34	6s55	23s 4	23s14	16s 3		n.a.
W 2	11 11	1 13	4 34	0 51	2 27	1 48	0 33	0s 6	0 12	17 45	1 3	23 55	0 9	23 56	0 32	11 47	1 31	30 34	6 54	23 5	23 15	16 1		n.a.
T 3	10 50	3n59	4 57	1 22	2 34	1 16	0 31	0 24	0 11	17 41	1 3	23 56	0 10	23 56	0 32	11 46	1 31	30 34	6 54	23 6	23 15	15 58		n.a.
F 4	10 28	9 5	5 6	1 52	2 40	0 44	0 28	0 41	0 10	17 38	1 3	23 56	0 10	23 56	0 32	11 46	1 31	30 34	6 54	23 7	23 15	15 56		n.a.
S 5	10 6	13 54	5 2	2 20	2 46	0 12	0 26	0 59	0 9	17 34	1 3	23 56	0 10	23 56	0 32	11 45	1 31	30 33	6 54	23 8	23 16	15 53		n.a.
S 6	9 44	18 13	4 42	2 47	2 52	0s20	0 23	1 17	0 9	17 30	1 3	23 56	0 10	23 56	0 32	11 44	1 31	30 33	6 54	23 8	23 16	15 51		n.a.
M 7	9 22	21 44	4 8	3 12	2 57	0 52	0 20	1 34	0 8	17 26	1 4	23 56	0 10	23 56	0 32	11 43	1 31	30 33	6 54	23 8	23 16	15 48		n.a.
T 8	9 0	24 12	3 20	3 35	3 2	1 25	0 18	1 52	0 7	17 23	1 4	23 56	0 10	23 56	0 32	11 42	1 31	30 33	6 54	23 9	23 16	15 46		n.a.
W 9	8 37	25 20	2 19	3 57	3 7	1 57	0 15	2 10	0 7	17 19	1 4	23 56	0 10	23 56	0 32	11 42	1 31	30 33	6 54	23 9	23 17	15 43		n.a.
T 10	8 14	24 56	1 9	4 16	3 11	2 29	0 12	2 27	0 6	17 15	1 4	23 56	0 10	23 57	0 32	11 41	1 31	30 33	6 54	23 9	23 17	15 41		n.a.
F 11	7 52	22 54	0s 7	4 32	3 14	3 1	0 10	2 45	0 5	17 12	1 4	23 56	0 10	23 57	0 32	11 40	1 31	30 33	6 54	23 8	23 17	15 38		n.a.
S 12	7 29	19 19	1 24	4 46	3 16	3 33	0 7	3 3	0 5	17 8	1 4	23 56	0 10	23 57	0 32	11 39	1 31	30 33	6 53	23 9	23 18	15 36		n.a.
S 13	7 6	14 26	2 37	4 56	3 18	4 5	0 4	3 21	0 4	17 4	1 4	23 56	0 10	23 57	0 32	11 38	1 31	30 33	6 53	23 9	23 18	15 33		n.a.
M14	6 43	8 39	3 39	5 3	3 19	4 37	0 1	3 38	0 3	17 1	1 4	23 56	0 10	23 57	0 32	11 38	1 31	30 33	6 53	23 9	23 18	15 31		n.a.
T 15	6 19	2 22	4 27	5 7	3 19	5 9	0s 2	3 56	0 3	16 57	1 5	23 56	0 10	23 57	0 32	11 37	1 31	30 33	6 53	23 10	23 18	15 28		n.a.
W16	5 56	3s59	4 55	5 6	3 17	5 41	0 5	4 14	0 2	16 53	1 5	23 56	0 10	23 57	0 32	11 36	1 31	30 33	6 53	23 11	23 19	15 25		n.a.
T 17	5 32	9 58	5 4	5 2	3 14	6 12	0 7	4 31	0 1	16 50	1 5	23 57	0 11	23 57	0 32	11 35	1 31	30 32	6 53	23 12	23 19	15 23		n.a.
F 18	5 9	15 16	4 53	4 52	3 10	6 44	0 10	4 49	0 0	16 46	1 5	23 57	0 11	23 57	0 32	11 34	1 31	30 32	6 53	23 13	23 19	15 20		n.a.
S 19	4 45	19 36	4 26	4 38	3 4	7 15	0 13	5 7	0s 0	16 42	1 5	23 57	0 11	23 57	0 32	11 34	1 31	30 32	6 53	23 14	23 19	15 18		n.a.
S 20	4 21	22 46	3 45	4 18	2 57	7 46	0 16	5 25	0 1	16 39	1 5	23 57	0 11	23 57	0 32	11 33	1 31	30 32	6 53	23 14	23 20	15 15		n.a.
M21	3 57	24 41	2 53	3 53	2 47	8 17	0 19	5 42	0 2	16 35	1 5	23 57	0 11	23 57	0 32	11 32	1 31	30 32	6 52	23 14	23 20	15 13		n.a.
T 22	3 34	25 17	1 55	3 23	2 36	8 48	0 22	6 0	0 2	16 31	1 6	23 57	0 11	23 57	0 32	11 31	1 32	30 32	6 52	23 14	23 20	15 10		n.a.
W23	3 10	24 39	0 53	2 47	2 23	9 19	0 25	6 17	0 3	16 28	1 6	23 57	0 11	23 57	0 32	11 30	1 32	30 32	6 52	23 14	23 20	15 8		n.a.
T 24	2 45	22 54	0n10	2 7	2 8	9 49	0 28	6 35	0 4	16 24	1 6	23 57	0 11	23 57	0 32	11 30	1 32	30 32	6 52	23 14	23 21	15 5		n.a.
F 25	2 21	20 9	1 12	1 23	1 51	10 19	0 31	6 52	0 4	16 20	1 6	23 57	0 11	23 57	0 32	11 29	1 32	30 32	6 52	23 15	23 21	15 2		n.a.
S 26	1 57	16 36	2 11	0 36	1 33	10 49	0 34	7 10	0 5	16 17	1 6	23 57	0 11	23 57	0 32	11 28	1 32	30 31	6 52	23 15	23 21	15 0		n.a.
S 27	1 33	12 23	3 4	0n13	1 13	11 19	0 37	7 27	0 6	16 13	1 6	23 57	0 11	23 57	0 32	11 27	1 32	30 31	6 52	23 15	23 21	14 57		n.a.
M28	1 9	7 40	3 50	1 2	0 53	11 48	0 40	7 45	0 6	16 10	1 6	23 57	0 11	23 57	0 32	11 27	1 32	30 31	6 52	23 16	23 22	14 55		n.a.
T 29	0 45	2 38	4 25	1 51	0 33	12 17	0 43	8 2	0 7	16 6	1 7	23 58	0 11	23 57	0 32	11 26	1 32	30 31	6 52	23 17	23 22	14 52		n.a.
W30	0n20	2n34	4n49	2n38	0s12	12s46	0s46	8s20	0s 8	16n 3	1n 7	23s58	0s11	23s57	0s32	11n25	1n32	30s31	6s51	23s18	23s22	14s50		n.a.

Julian Day Number = 1469643.5, Delta T = 05h32m07s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'38, Lahiri = -13°28'37 Julian Calendar 1 Sept. 690 BCE == Greg. Calendar 25 Aug. 690 BCE

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

OCTOBER 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 7 25	0♎10'07	7♈50	21°R58	2♏26	21♎28	20♌17	28♐33	9♑40	4♍32	5♑25	10°R56	10♑17	12♒ 9	n.a.	T 1
F 2	0 11 22	1°10'26	20°27	21♍ 4	3°40	22°12	20°29	28°35	9°41	4°34	5°25	10♑42	10°14	12°16	n.a.	F 2
S 3	0 15 18	2°10'47	3♉15	20°21	4°53	22°56	20°40	28°38	9°41	4°36	5°25	10°30	10°10	12°22	n.a.	S 3
S 4	0 19 15	3°11'10	16°14	19°49	6° 7	23°40	20°51	28°40	9°41	4°38	5°26	10°21	10° 7	12°29	n.a.	S 4
M 5	0 23 11	4°11'35	29°24	19°28	7°20	24°24	21° 2	28°43	9°41	4°40	5°26	10°14	10° 4	12°36	n.a.	M 5
T 6	0 27 8	5°12'02	12♊46	19°D20	8°33	25° 8	21°14	28°45	9°42	4°42	5°26	10°11	10° 1	12°42	n.a.	T 6
W 7	0 31 5	6°12'31	26°20	19°22	9°47	25°52	21°25	28°48	9°42	4°44	5°26	10° 9	9°58	12°49	n.a.	W 7
T 8	0 35 1	7°13'02	10♋ 9	19°36	11° 0	26°37	21°35	28°51	9°43	4°46	5°27	10° 9	9°54	12°56	n.a.	T 8
F 9	0 38 58	8°13'35	24°12	20° 0	12°13	27°21	21°46	28°53	9°44	4°48	5°27	10° 9	9°51	13° 2	n.a.	F 9
S 10	0 42 54	9°14'10	8♌30	20°32	13°27	28° 5	21°57	28°56	9°44	4°50	5°27	10° 7	9°48	13° 9	n.a.	S 10
S 11	0 46 51	10°14'46	23° 0	21°14	14°40	28°50	22° 8	28°59	9°45	4°52	5°28	10° 3	9°45	13°16	n.a.	S 11
M12	0 50 47	11°15'25	7♍39	22° 2	15°53	29°34	22°18	29° 2	9°46	4°54	5°28	9°55	9°42	13°22	n.a.	M12
T 13	0 54 44	12°16'06	22°20	22°57	17° 7	0♏19	22°29	29° 6	9°46	4°55	5°29	9°45	9°39	13°29	n.a.	T 13
W14	0 58 40	13°16'48	6♎56	23°58	18°20	1° 3	22°39	29° 9	9°47	4°57	5°29	9°33	9°35	13°36	n.a.	W14
T 15	1 2 37	14°17'32	21°20	25° 4	19°33	1°48	22°50	29°12	9°48	4°59	5°30	9°21	9°32	13°42	n.a.	T 15
F 16	1 6 34	15°18'17	5♏25	26°14	20°46	2°33	23° 0	29°16	9°49	5° 1	5°30	9° 9	9°29	13°49	n.a.	F 16
S 17	1 10 30	16°19'04	19° 6	27°28	21°59	3°18	23°10	29°19	9°50	5° 3	5°31	8°59	9°26	13°56	n.a.	S 17
S 18	1 14 27	17°19'52	2♐21	28°46	23°12	4° 2	23°20	29°23	9°51	5° 5	5°31	8°52	9°23	14° 2	n.a.	S 18
M19	1 18 23	18°20'41	15°11	0♎ 6	24°25	4°47	23°30	29°27	9°52	5° 6	5°32	8°47	9°20	14° 9	n.a.	M19
T 20	1 22 20	19°21'32	27°39	1°28	25°38	5°32	23°40	29°31	9°53	5° 8	5°33	8°45	9°16	14°16	n.a.	T 20
W21	1 26 16	20°22'23	9♑49	2°52	26°51	6°17	23°50	29°35	9°54	5°10	5°33	8°D45	9°13	14°22	n.a.	W21
T 22	1 30 13	21°23'16	21°46	4°17	28° 4	7° 2	23°59	29°39	9°56	5°11	5°34	8°R45	9°10	14°29	n.a.	T 22
F 23	1 34 9	22°24'10	3♒36	5°45	29°17	7°48	24° 9	29°43	9°57	5°13	5°35	8°45	9° 7	14°36	n.a.	F 23
S 24	1 38 6	23°25'04	15°24	7°13	0♐30	8°33	24°18	29°47	9°58	5°15	5°35	8°42	9° 4	14°42	n.a.	S 24
S 25	1 42 3	24°26'00	27°16	8°42	1°43	9°18	24°27	29°51	10° 0	5°16	5°36	8°38	9° 0	14°49	n.a.	S 25
M26	1 45 59	25°26'57	9♓16	10°12	2°56	10° 3	24°37	29°55	10° 1	5°18	5°37	8°30	8°57	14°56	n.a.	M26
T 27	1 49 56	26°27'54	21°27	11°42	4° 8	10°48	24°46	29°59	10° 3	5°20	5°38	8°20	8°54	15° 2	n.a.	T 27
W28	1 53 52	27°28'53	3♈53	13°13	5°21	11°34	24°55	0♑ 4	10° 4	5°21	5°39	8° 9	8°51	15° 9	n.a.	W28
T 29	1 57 49	28°29'52	16°33	14°45	6°33	12°19	25° 4	0° 9	10° 6	5°23	5°39	7°56	8°48	15°16	n.a.	T 29
F 30	2 1 45	29°30'53	29°29	16°17	7°46	13° 5	25°12	0°13	10° 7	5°24	5°40	7°43	8°45	15°22	n.a.	F 30
S 31	2 5 42	0♏31'55	12♉39	17♎49	8♐59	13♏50	25♌21	0♑18	10♑ 9	5♍26	5♑41	7♑32	8♑41	15♒29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s 4	7n44	5n 0	3n21	0n 8	13s15	0s49	8s37	0s 8	15n59	1n 7	23s58	0s11	23s57	0s32	11n24	1n32	30s31	6s51	23s19	23s22	14s47		n.a.
F 2	0 28	12 39	4 56	4 0	0 27	13 43	0 51	8 54	0 9	15 56	1 7	23 58	0 12	23 57	0 31	11 24	1 32	30 31	6 51	23 20	23 23	14 44		n.a.
S 3	0 53	17 6	4 37	4 34	0 45	14 11	0 54	9 11	0 10	15 52	1 7	23 58	0 12	23 57	0 31	11 23	1 32	30 31	6 51	23 21	23 23	14 42		n.a.
S 4	1 17	20 49	4 4	5 2	1 2	14 39	0 57	9 29	0 10	15 49	1 7	23 58	0 12	23 57	0 31	11 22	1 32	30 31	6 51	23 22	23 23	14 39		n.a.
M 5	1 41	23 31	3 17	5 24	1 17	15 6	1 0	9 46	0 11	15 45	1 8	23 58	0 12	23 56	0 31	11 21	1 32	30 30	6 51	23 23	23 23	14 37		n.a.
T 6	2 6	24 57	2 19	5 39	1 30	15 33	1 3	10 3	0 12	15 42	1 8	23 58	0 12	23 56	0 31	11 21	1 32	30 30	6 51	23 23	23 24	14 34		n.a.
W 7	2 30	24 56	1 12	5 49	1 41	15 59	1 6	10 20	0 12	15 38	1 8	23 58	0 12	23 56	0 31	11 20	1 32	30 30	6 51	23 23	23 24	14 31		n.a.
T 8	2 54	23 23	0 0	5 52	1 51	16 25	1 9	10 36	0 13	15 35	1 8	23 58	0 12	23 56	0 31	11 19	1 32	30 30	6 50	23 23	23 24	14 29		n.a.
F 9	3 18	20 22	1s14	5 50	1 59	16 51	1 11	10 53	0 14	15 31	1 8	23 58	0 12	23 56	0 31	11 19	1 32	30 30	6 50	23 23	23 24	14 26		n.a.
S 10	3 43	16 5	2 24	5 43	2 5	17 16	1 14	11 10	0 14	15 28	1 8	23 58	0 12	23 56	0 31	11 18	1 32	30 30	6 50	23 23	23 25	14 24		n.a.
S 11	4 7	10 49	3 26	5 31	2 10	17 41	1 17	11 27	0 15	15 25	1 9	23 59	0 12	23 56	0 31	11 17	1 32	30 30	6 50	23 24	23 25	14 21		n.a.
M12	4 31	4 54	4 14	5 15	2 14	18 6	1 19	11 43	0 16	15 21	1 9	23 59	0 12	23 56	0 31	11 17	1 32	30 29	6 50	23 24	23 25	14 18		n.a.
T 13	4 55	1s18	4 47	4 55	2 16	18 30	1 22	12 0	0 16	15 18	1 9	23 59	0 12	23 56	0 31	11 16	1 32	30 29	6 50	23 25	23 25	14 16		n.a.
W14	5 19	7 22	5 0	4 31	2 17	18 53	1 25	12 16	0 17	15 15	1 9	23 59	0 12	23 56	0 31	11 15	1 32	30 29	6 50	23 26	23 26	14 13		n.a.
T 15	5 43	12 58	4 54	4 5	2 17	19 16	1 27	12 33	0 18	15 12	1 9	23 59	0 12	23 56	0 31	11 15	1 32	30 29	6 50	23 27	23 26	14 11		n.a.
F 16	6 7	17 44	4 30	3 36	2 17	19 38	1 30	12 49	0 18	15 8	1 10	23 59	0 12	23 56	0 31	11 14	1 32	30 29	6 50	23 27	23 26	14 8		n.a.
S 17	6 30	21 26	3 51	3 5	2 15	20 0	1 32	13 5	0 19	15 5	1 10	23 59	0 12	23 56	0 31	11 13	1 32	30 29	6 49	23 28	23 26	14 5		n.a.
S 18	6 54	23 52	3 0	2 32	2 13	20 22	1 35	13 21	0 20	15 2	1 10	23 59	0 13	23 56	0 31	11 13	1 32	30 29	6 49	23 29	23 27	14 3		n.a.
M19	7 17	24 57	2 1	1 57	2 10	20 43	1 37	13 37	0 20	14 59	1 10	23 59	0 13	23 55	0 31	11 12	1 32	30 28	6 49	23 29	23 27	14 0		n.a.
T 20	7 41	24 44	0 59	1 20	2 7	21 3	1 39	13 53	0 21	14 56	1 10	23 59	0 13	23 55	0 31	11 12	1 32	30 28	6 49	23 29	23 27	13 57		n.a.
W21	8 4	23 19	0n 6	0 43	2 3	21 23	1 42	14 9	0 22	14 53	1 11	23 59	0 13	23 55	0 31	11 11	1 32	30 28	6 49	23 29	23 27	13 55		n.a.
T 22	8 27	20 52	1 9	0 4	1 58	21 42	1 44	14 24	0 22	14 50	1 11	23 59	0 13	23 55	0 31	11 10	1 33	30 28	6 49	23 29	23 27	13 52		n.a.
F 23	8 50	17 33	2 8	0s35	1 53	22 0	1 46	14 40	0 23	14 47	1 11	24 0	0 13	23 55	0 31	11 10	1 33	30 28	6 49	23 29	23 28	13 50		n.a.
S 24	9 13	13 33	3 1	1 15	1 48	22 18	1 48	14 55	0 23	14 44	1 11	24 0	0 13	23 55	0 31	11 9	1 33	30 28	6 49	23 29	23 28	13 47		n.a.
S 25	9 36	9 2	3 47	1 56	1 43	22 36	1 50	15 11	0 24	14 41	1 12	24 0	0 13	23 55	0 31	11 9	1 33	30 28	6 49	23 30	23 28	13 44		n.a.
M26	9 59	4 8	4 24	2 37	1 37	22 52	1 52	15 26	0 25	14 38	1 12	24 0	0 13	23 55	0 31	11 8	1 33	30 27	6 48	23 30	23 28	13 42		n.a.
T 27	10 21	0n59	4 49	3 18	1 31	23 8	1 54	15 41	0 25	14 35	1 12	24 0	0 13	23 54	0 31	11 8	1 33	30 27	6 48	23 31	23 29	13 39		n.a.
W28	10 43	6 9	5 1	3 59	1 25	23 24	1 56	15 56	0 26	14 32	1 12	24 0	0 13	23 54	0 31	11 7	1 33	30 27	6 48	23 31	23 29	13 36		n.a.
T 29	11 5	11 10	4 58	4 41	1 19	23 39	1 58	16 10	0 27	14 29	1 12	24 0	0 13	23 54	0 31	11 6	1 33	30 27	6 48	23 32	23 29	13 34		n.a.
F 30	11 27	15 48	4 41	5 23	1 12	23 53	1 59	16 25	0 27	14 26	1 13	24 0	0 13	23 54	0 31	11 6	1 33	30 27	6 48	23 33	23 29	13 31		n.a.
S 31	11s49	19n46	4n 8	6s 5	1n 6	24s 6	2s 1	16s39	0s28	14n24	1n13	24s 0	0s13	23s54	0s31	11n 5	1n33	30s27	6s48	23s34	23s29	13s28		n.a.

Julian Day Number = 1469673.5, Delta T = 05h32m05s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'34, Lahiri = -13°28'33 Julian Calendar 1 Oct. 690 BCE == Greg. Calendar 24 Sept. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

NOVEMBER 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 9 38	1♏32'57	26♉ 1	19♎21	10♐11	14♏36	25♌29	0♑23	10♑11	5♍27	5♑42	7°R23	8♑38	15♒36	n.a.	S 1
M 2	2 13 35	2°34'01	9♊33	20°54	11°23	15°21	25°38	0°28	10°13	5°28	5°43	7♑17	8°35	15°42	n.a.	M 2
T 3	2 17 32	3°35'07	23°15	22°27	12°36	16° 7	25°46	0°33	10°14	5°30	5°44	7°14	8°32	15°49	n.a.	T 3
W 4	2 21 28	4°36'13	7♋ 3	24° 0	13°48	16°53	25°54	0°38	10°16	5°31	5°45	7°D13	8°29	15°56	n.a.	W 4
T 5	2 25 25	5°37'20	20°59	25°33	15° 0	17°38	26° 2	0°43	10°18	5°32	5°46	7°14	8°25	16° 2	n.a.	T 5
F 6	2 29 21	6°38'29	5♌ 0	27° 6	16°12	18°24	26°10	0°48	10°20	5°34	5°47	7°R14	8°22	16° 9	n.a.	F 6
S 7	2 33 18	7°39'39	19° 7	28°39	17°25	19°10	26°18	0°53	10°22	5°35	5°48	7°14	8°19	16°16	n.a.	S 7
S 8	2 37 14	8°40'49	3♍19	0♏12	18°37	19°56	26°26	0°58	10°24	5°36	5°50	7°11	8°16	16°22	n.a.	S 8
M 9	2 41 11	9°42'01	17°33	1°46	19°49	20°42	26°33	1° 4	10°26	5°38	5°51	7° 6	8°13	16°29	n.a.	M 9
T 10	2 45 8	10°43'13	1♎47	3°19	21° 1	21°28	26°40	1° 9	10°28	5°39	5°52	6°59	8°10	16°36	n.a.	T 10
W11	2 49 4	11°44'27	15°55	4°53	22°12	22°14	26°48	1°15	10°30	5°40	5°53	6°49	8° 6	16°42	n.a.	W11
T 12	2 53 1	12°45'41	29°53	6°26	23°24	23° 0	26°55	1°20	10°33	5°41	5°54	6°40	8° 3	16°49	n.a.	T 12
F 13	2 56 57	13°46'56	13♏37	8° 0	24°36	23°46	27° 2	1°26	10°35	5°42	5°55	6°30	8° 0	16°56	n.a.	F 13
S 14	3 0 54	14°48'11	27° 3	9°34	25°48	24°32	27° 8	1°32	10°37	5°43	5°57	6°23	7°57	17° 3	n.a.	S 14
S 15	3 4 50	15°49'27	10♐ 9	11° 8	26°59	25°18	27°15	1°37	10°39	5°44	5°58	6°17	7°54	17° 9	n.a.	S 15
M16	3 8 47	16°50'43	22°55	12°42	28°11	26° 4	27°21	1°43	10°42	5°45	5°59	6°14	7°51	17°16	n.a.	M16
T 17	3 12 43	17°51'59	5♑22	14°17	29°22	26°51	27°28	1°49	10°44	5°46	6° 1	6°D13	7°47	17°23	n.a.	T 17
W18	3 16 40	18°53'16	17°32	15°51	0♑33	27°37	27°34	1°55	10°46	5°47	6° 2	6°13	7°44	17°29	n.a.	W18
T 19	3 20 37	19°54'32	29°31	17°26	1°45	28°23	27°40	2° 1	10°49	5°48	6° 3	6°15	7°41	17°36	n.a.	T 19
F 20	3 24 33	20°55'49	11♒23	19° 1	2°56	29°10	27°46	2° 7	10°51	5°49	6° 5	6°16	7°38	17°43	n.a.	F 20
S 21	3 28 30	21°57'06	23°12	20°36	4° 7	29°56	27°51	2°13	10°54	5°50	6° 6	6°R17	7°35	17°49	n.a.	S 21
S 22	3 32 26	22°58'22	5♓ 4	22°11	5°18	0♐42	27°57	2°19	10°57	5°51	6° 7	6°16	7°31	17°56	n.a.	S 22
M23	3 36 23	23°59'38	17° 5	23°47	6°29	1°29	28° 2	2°25	10°59	5°51	6° 9	6°13	7°28	18° 3	n.a.	M23
T 24	3 40 19	25° 0'54	29°19	25°23	7°39	2°15	28° 8	2°31	11° 2	5°52	6°10	6° 8	7°25	18° 9	n.a.	T 24
W25	3 44 16	26° 2'10	11♈49	26°59	8°50	3° 2	28°13	2°38	11° 4	5°53	6°12	6° 2	7°22	18°16	n.a.	W25
T 26	3 48 12	27° 3'26	24°38	28°35	10° 0	3°48	28°18	2°44	11° 7	5°54	6°13	5°55	7°19	18°23	n.a.	T 26
F 27	3 52 9	28° 4'42	7♉47	0♐12	11°11	4°35	28°22	2°50	11°10	5°54	6°15	5°48	7°16	18°29	n.a.	F 27
S 28	3 56 6	29° 5'58	21°15	1°49	12°21	5°22	28°27	2°57	11°13	5°55	6°16	5°42	7°12	18°36	n.a.	S 28
S 29	4 0 2	0♐ 7'13	5♊ 1	3°26	13°31	6° 8	28°31	3° 3	11°16	5°55	6°18	5°37	7° 9	18°43	n.a.	S 29
M30	4 3 59	1♐ 8'29	19♊ 0	5♐ 4	14♑41	6♐55	28♌35	3♑10	11♑18	5♍56	6♑19	5♑34	7♑ 6	18♒49	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s11	22n47	3n21	6s46	0n59	24s19	2s 3	16s54	0s28	14n21	1n13	24s 0	0s13	23s54	0s31	11n 5	1n33	30s27	6s48	23s34	23s30	13s26		n.a.
M 2	12 32	24 32	2 22	7 28	0 52	24 31	2 4	17 8	0 29	14 18	1 13	24 0	0 13	23 54	0 31	11 4	1 33	30 26	6 48	23 34	23 30	13 23		n.a.
T 3	12 53	24 50	1 14	8 9	0 46	24 42	2 6	17 22	0 30	14 16	1 14	24 0	0 14	23 53	0 31	11 4	1 33	30 26	6 48	23 35	23 30	13 20		n.a.
W 4	13 14	23 36	0 1	8 50	0 39	24 53	2 7	17 36	0 30	14 13	1 14	24 0	0 14	23 53	0 31	11 4	1 33	30 26	6 47	23 35	23 30	13 18		n.a.
T 5	13 35	20 55	1s13	9 31	0 32	25 3	2 8	17 50	0 31	14 11	1 14	24 0	0 14	23 53	0 31	11 3	1 33	30 26	6 47	23 35	23 30	13 15		n.a.
F 6	13 55	16 59	2 23	10 12	0 25	25 12	2 9	18 3	0 31	14 8	1 14	24 0	0 14	23 53	0 31	11 3	1 33	30 26	6 47	23 35	23 31	13 12		n.a.
S 7	14 16	12 4	3 24	10 52	0 18	25 20	2 11	18 16	0 32	14 6	1 15	24 0	0 14	23 53	0 31	11 2	1 33	30 26	6 47	23 35	23 31	13 10		n.a.
S 8	14 36	6 29	4 14	11 31	0 12	25 28	2 12	18 30	0 33	14 3	1 15	24 0	0 14	23 53	0 31	11 2	1 33	30 26	6 47	23 35	23 31	13 7		n.a.
M 9	14 56	0 35	4 48	12 11	0 5	25 35	2 13	18 43	0 33	14 1	1 15	24 0	0 14	23 52	0 31	11 1	1 33	30 25	6 47	23 35	23 31	13 5		n.a.
T 10	15 15	5s21	5 4	12 49	0s 2	25 41	2 13	18 56	0 34	13 59	1 15	24 0	0 14	23 52	0 31	11 1	1 34	30 25	6 47	23 36	23 31	13 2		n.a.
W11	15 34	10 58	5 1	13 28	0 9	25 47	2 14	19 8	0 34	13 56	1 16	24 0	0 14	23 52	0 31	11 1	1 34	30 25	6 47	23 36	23 32	12 59		n.a.
T 12	15 53	15 57	4 41	14 6	0 15	25 51	2 15	19 21	0 35	13 54	1 16	24 0	0 14	23 52	0 31	11 0	1 34	30 25	6 47	23 36	23 32	12 57		n.a.
F 13	16 12	20 1	4 4	14 43	0 22	25 55	2 15	19 33	0 36	13 52	1 16	24 0	0 14	23 52	0 31	11 0	1 34	30 25	6 47	23 37	23 32	12 54		n.a.
S 14	16 30	22 56	3 15	15 19	0 28	25 58	2 16	19 45	0 36	13 50	1 16	24 0	0 14	23 51	0 31	11 0	1 34	30 25	6 47	23 37	23 32	12 51		n.a.
S 15	16 49	24 31	2 16	15 55	0 34	26 1	2 16	19 57	0 37	13 48	1 17	24 0	0 14	23 51	0 31	10 59	1 34	30 25	6 47	23 38	23 32	12 48		n.a.
M16	17 6	24 46	1 11	16 31	0 40	26 2	2 16	20 9	0 37	13 46	1 17	24 0	0 14	23 51	0 31	10 59	1 34	30 24	6 46	23 38	23 33	12 46		n.a.
T 17	17 24	23 45	0 5	17 5	0 47	26 3	2 17	20 20	0 38	13 44	1 17	24 0	0 14	23 51	0 31	10 59	1 34	30 24	6 46	23 38	23 33	12 43		n.a.
W18	17 41	21 36	1n 1	17 39	0 52	26 3	2 17	20 32	0 38	13 42	1 18	24 0	0 14	23 51	0 31	10 58	1 34	30 24	6 46	23 38	23 33	12 40		n.a.
T 19	17 58	18 32	2 3	18 12	0 58	26 3	2 17	20 43	0 39	13 40	1 18	24 0	0 15	23 50	0 31	10 58	1 34	30 24	6 46	23 38	23 33	12 38		n.a.
F 20	18 15	14 45	2 59	18 45	1 4	26 1	2 17	20 54	0 39	13 38	1 18	24 0	0 15	23 50	0 31	10 58	1 34	30 24	6 46	23 38	23 33	12 35		n.a.
S 21	18 31	10 25	3 47	19 16	1 9	25 59	2 16	21 4	0 40	13 37	1 18	24 0	0 15	23 50	0 31	10 57	1 34	30 24	6 46	23 38	23 33	12 32		n.a.
S 22	18 47	5 40	4 25	19 47	1 15	25 56	2 16	21 15	0 40	13 35	1 19	24 0	0 15	23 50	0 31	10 57	1 34	30 24	6 46	23 38	23 34	12 30		n.a.
M23	19 2	0 41	4 53	20 16	1 20	25 52	2 15	21 25	0 41	13 33	1 19	24 0	0 15	23 49	0 31	10 57	1 34	30 24	6 46	23 38	23 34	12 27		n.a.
T 24	19 17	4n25	5 8	20 45	1 25	25 48	2 15	21 35	0 42	13 32	1 19	24 0	0 15	23 49	0 31	10 57	1 34	30 23	6 46	23 38	23 34	12 24		n.a.
W25	19 32	9 27	5 8	21 13	1 29	25 43	2 14	21 45	0 42	13 30	1 20	24 0	0 15	23 49	0 31	10 57	1 34	30 23	6 46	23 38	23 34	12 22		n.a.
T 26	19 47	14 13	4 54	21 39	1 34	25 37	2 13	21 54	0 43	13 29	1 20	24 0	0 15	23 49	0 31	10 56	1 34	30 23	6 46	23 39	23 34	12 19		n.a.
F 27	20 1	18 27	4 23	22 5	1 38	25 30	2 13	22 4	0 43	13 27	1 20	24 0	0 15	23 48	0 31	10 56	1 35	30 23	6 46	23 39	23 35	12 16		n.a.
S 28	20 14	21 50	3 38	22 29	1 42	25 23	2 12	22 13	0 44	13 26	1 20	24 0	0 15	23 48	0 30	10 56	1 35	30 23	6 46	23 39	23 35	12 14		n.a.
S 29	20 28	24 2	2 39	22 52	1 46	25 15	2 10	22 22	0 44	13 25	1 21	24 0	0 15	23 48	0 30	10 56	1 35	30 23	6 46	23 39	23 35	12 11		n.a.
M30	20s41	24n48	1n29	23s14	1s49	25s 6	2s 9	22s30	0s45	13n24	1n21	24s 0	0s15	23s48	0s30	10n56	1n35	30s23	6s46	23s40	23s35	12s 8		n.a.

Julian Day Number = 1469704.5, Delta T = 05h32m04s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'29, Lahiri = -13°28'29 Julian Calendar 1 Nov. 690 BCE == Greg. Calendar 25 Oct. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 690 BCE
geocentric

DECEMBER 690 BCE (-689) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 7 55	2♐ 9'44	3♋10	6♐42	15♑51	7♐42	28♌40	3♑16	11♑21	5♍56	6♑21	5°D33	7♑ 3	18♒56	n.a.	T 1
W 2	4 11 52	3°11'00	17°25	8°20	17° 1	8°29	28°43	3°23	11°24	5°57	6°22	5♑34	7° 0	19° 3	n.a.	W 2
T 3	4 15 48	4°12'15	1♌42	9°59	18°10	9°15	28°47	3°29	11°27	5°57	6°24	5°35	6°57	19° 9	n.a.	T 3
F 4	4 19 45	5°13'31	15°57	11°38	19°20	10° 2	28°51	3°36	11°30	5°58	6°26	5°36	6°53	19°16	n.a.	F 4
S 5	4 23 42	6°14'46	0♍ 9	13°17	20°29	10°49	28°54	3°43	11°33	5°58	6°27	5°R38	6°50	19°23	n.a.	S 5
S 6	4 27 38	7°16'01	14°15	14°57	21°38	11°36	28°57	3°49	11°36	5°58	6°29	5°37	6°47	19°29	n.a.	S 6
M 7	4 31 35	8°17'16	28°15	16°37	22°47	12°23	29° 0	3°56	11°39	5°59	6°31	5°36	6°44	19°36	n.a.	M 7
T 8	4 35 31	9°18'31	12♎ 6	18°17	23°56	13°10	29° 3	4° 3	11°42	5°59	6°32	5°33	6°41	19°43	n.a.	T 8
W 9	4 39 28	10°19'46	25°47	19°57	25° 5	13°57	29° 6	4°10	11°45	5°59	6°34	5°30	6°37	19°50	n.a.	W 9
T 10	4 43 24	11°21'00	9♏16	21°37	26°13	14°44	29° 8	4°17	11°48	5°59	6°36	5°26	6°34	19°56	n.a.	T 10
F 11	4 47 21	12°22'14	22°33	23°17	27°22	15°31	29°10	4°24	11°51	6° 0	6°37	5°22	6°31	20° 3	n.a.	F 11
S 12	4 51 17	13°23'28	5♐36	24°58	28°30	16°18	29°12	4°31	11°54	6° 0	6°39	5°19	6°28	20°10	n.a.	S 12
S 13	4 55 14	14°24'41	18°24	26°38	29°38	17° 5	29°14	4°38	11°58	6° 0	6°41	5°17	6°25	20°16	n.a.	S 13
M14	4 59 11	15°25'53	0♑57	28°17	0♒45	17°52	29°16	4°44	12° 1	6° 0	6°42	5°D16	6°22	20°23	n.a.	M14
T 15	5 3 7	16°27'04	13°16	29°57	1°53	18°39	29°17	4°51	12° 4	6°R 0	6°44	5°16	6°18	20°30	n.a.	T 15
W16	5 7 4	17°28'15	25°23	1♑35	3° 0	19°26	29°19	4°59	12° 7	6° 0	6°46	5°17	6°15	20°36	n.a.	W16
T 17	5 11 0	18°29'25	7♒21	3°13	4° 8	20°13	29°20	5° 6	12°11	6° 0	6°48	5°19	6°12	20°43	n.a.	T 17
F 18	5 14 57	19°30'33	19°13	4°49	5°14	21° 0	29°21	5°13	12°14	6° 0	6°49	5°20	6° 9	20°50	n.a.	F 18
S 19	5 18 53	20°31'41	1♓ 2	6°23	6°21	21°47	29°21	5°20	12°17	6° 0	6°51	5°21	6° 6	20°56	n.a.	S 19
S 20	5 22 50	21°32'47	12°54	7°56	7°28	22°35	29°22	5°27	12°20	6° 0	6°53	5°22	6° 3	21° 3	n.a.	S 20
M21	5 26 47	22°33'52	24°53	9°26	8°34	23°22	29°22	5°34	12°24	5°59	6°55	5°R22	5°59	21°10	n.a.	M21
T 22	5 30 43	23°34'56	7♈ 5	10°54	9°40	24° 9	29°R22	5°41	12°27	5°59	6°56	5°22	5°56	21°16	n.a.	T 22
W23	5 34 40	24°35'58	19°33	12°17	10°46	24°56	29°22	5°48	12°30	5°59	6°58	5°21	5°53	21°23	n.a.	W23
T 24	5 38 36	25°36'59	2♉22	13°37	11°51	25°43	29°22	5°55	12°34	5°59	7° 0	5°20	5°50	21°30	n.a.	T 24
F 25	5 42 33	26°37'59	15°34	14°52	12°56	26°31	29°22	6° 3	12°37	5°58	7° 2	5°19	5°47	21°36	n.a.	F 25
S 26	5 46 29	27°38'58	29°10	16° 2	14° 1	27°18	29°21	6°10	12°40	5°58	7° 4	5°18	5°43	21°43	n.a.	S 26
S 27	5 50 26	28°39'55	13♊ 9	17° 5	15° 5	28° 5	29°20	6°17	12°44	5°58	7° 5	5°17	5°40	21°50	n.a.	S 27
M28	5 54 22	29°40'51	27°29	18° 1	16°10	28°52	29°19	6°24	12°47	5°57	7° 7	5°17	5°37	21°57	n.a.	M28
T 29	5 58 19	0♑41'46	12♋ 4	18°49	17°14	29°40	29°18	6°32	12°51	5°57	7° 9	5°D17	5°34	22° 3	n.a.	T 29
W30	6 2 16	1°42'40	26°48	19°28	18°17	0♑27	29°17	6°39	12°54	5°56	7°11	5°17	5°31	22°10	n.a.	W30
T 31	6 6 12	2♑43'32	11♌34	19♑58	19♒20	1♑14	29♌15	6♑46	12♑58	5♍56	7♑13	5♑17	5♑28	22♒17	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s53	23n57	0n13	23s35	1s53	24s56	2s 8	22s39	0s45	13n22	1n21	24s 0	0s15	23s47	0s30	10n56	1n35	30s23	6s46	23s40	23s35	12s 6		n.a.
W 2	21 5	21 34	1s 4	23 54	1 55	24 46	2 6	22 47	0 46	13 21	1 22	23 59	0 15	23 47	0 30	10 55	1 35	30 22	6 46	23 40	23 35	12 3		n.a.
T 3	21 17	17 49	2 18	24 12	1 58	24 35	2 5	22 55	0 46	13 20	1 22	23 59	0 15	23 47	0 30	10 55	1 35	30 22	6 46	23 40	23 36	12 0		n.a.
F 4	21 28	13 3	3 23	24 29	2 0	24 24	2 3	23 2	0 47	13 19	1 22	23 59	0 15	23 47	0 30	10 55	1 35	30 22	6 46	23 39	23 36	11 57		n.a.
S 5	21 39	7 36	4 16	24 44	2 2	24 11	2 1	23 10	0 47	13 18	1 23	23 59	0 16	23 46	0 30	10 55	1 35	30 22	6 46	23 39	23 36	11 55		n.a.
S 6	21 50	1 48	4 52	24 57	2 3	23 58	1 59	23 17	0 48	13 18	1 23	23 59	0 16	23 46	0 30	10 55	1 35	30 22	6 46	23 39	23 36	11 52		n.a.
M 7	22 0	4s 2	5 11	25 9	2 4	23 45	1 57	23 24	0 48	13 17	1 23	23 59	0 16	23 46	0 30	10 55	1 35	30 22	6 46	23 39	23 36	11 49		n.a.
T 8	22 10	9 37	5 12	25 20	2 5	23 31	1 55	23 30	0 49	13 16	1 23	23 59	0 16	23 46	0 30	10 55	1 35	30 22	6 46	23 40	23 36	11 47		n.a.
W 9	22 19	14 39	4 54	25 28	2 5	23 16	1 53	23 36	0 49	13 16	1 24	23 58	0 16	23 45	0 30	10 55	1 35	30 22	6 45	23 40	23 37	11 44		n.a.
T 10	22 28	18 54	4 21	25 35	2 5	23 1	1 50	23 43	0 49	13 15	1 24	23 58	0 16	23 45	0 30	10 55	1 35	30 22	6 45	23 40	23 37	11 41		n.a.
F 11	22 36	22 7	3 34	25 40	2 4	22 45	1 48	23 48	0 50	13 14	1 24	23 58	0 16	23 45	0 30	10 55	1 35	30 22	6 45	23 40	23 37	11 38		n.a.
S 12	22 44	24 6	2 36	25 43	2 2	22 28	1 45	23 54	0 50	13 14	1 25	23 58	0 16	23 44	0 30	10 55	1 35	30 21	6 45	23 40	23 37	11 36		n.a.
S 13	22 51	24 47	1 32	25 44	2 0	22 11	1 42	23 59	0 51	13 14	1 25	23 58	0 16	23 44	0 30	10 55	1 36	30 21	6 45	23 40	23 37	11 33		n.a.
M14	22 58	24 10	0 24	25 43	1 57	21 53	1 39	24 4	0 51	13 13	1 25	23 58	0 16	23 44	0 30	10 55	1 36	30 21	6 45	23 40	23 37	11 30		n.a.
T 15	23 5	22 22	0n44	25 41	1 54	21 35	1 36	24 9	0 52	13 13	1 26	23 57	0 16	23 44	0 30	10 55	1 36	30 21	6 45	23 40	23 38	11 28		n.a.
W16	23 11	19 35	1 49	25 36	1 50	21 16	1 33	24 13	0 52	13 13	1 26	23 57	0 16	23 43	0 30	10 55	1 36	30 21	6 45	23 40	23 38	11 25		n.a.
T 17	23 16	15 59	2 48	25 29	1 45	20 57	1 30	24 17	0 53	13 13	1 26	23 57	0 16	23 43	0 30	10 55	1 36	30 21	6 45	23 40	23 38	11 22		n.a.
F 18	23 21	11 48	3 40	25 21	1 39	20 37	1 26	24 21	0 53	13 13	1 27	23 57	0 16	23 43	0 30	10 55	1 36	30 21	6 45	23 40	23 38	11 19		n.a.
S 19	23 26	7 11	4 22	25 10	1 33	20 17	1 23	24 24	0 53	13 13	1 27	23 57	0 16	23 42	0 30	10 55	1 36	30 21	6 45	23 40	23 38	11 17		n.a.
S 20	23 30	2 18	4 53	24 58	1 26	19 56	1 19	24 28	0 54	13 13	1 27	23 56	0 17	23 42	0 30	10 55	1 36	30 21	6 46	23 40	23 38	11 14		n.a.
M21	23 34	2n42	5 12	24 43	1 17	19 35	1 15	24 31	0 54	13 13	1 28	23 56	0 17	23 42	0 30	10 56	1 36	30 21	6 46	23 40	23 38	11 11		n.a.
T 22	23 37	7 41	5 17	24 27	1 8	19 14	1 11	24 33	0 55	13 13	1 28	23 56	0 17	23 41	0 30	10 56	1 36	30 21	6 46	23 40	23 39	11 9		n.a.
W23	23 40	12 29	5 7	24 10	0 58	18 52	1 7	24 36	0 55	13 14	1 28	23 56	0 17	23 41	0 30	10 56	1 36	30 20	6 46	23 40	23 39	11 6		n.a.
T 24	23 42	16 52	4 42	23 51	0 47	18 29	1 3	24 38	0 55	13 14	1 29	23 55	0 17	23 41	0 30	10 56	1 36	30 20	6 46	23 40	23 39	11 3		n.a.
F 25	23 44	20 35	4 2	23 31	0 35	18 6	0 59	24 40	0 56	13 14	1 29	23 55	0 17	23 40	0 30	10 56	1 36	30 20	6 46	23 40	23 39	11 0		n.a.
S 26	23 45	23 18	3 7	23 10	0 22	17 43	0 54	24 41	0 56	13 15	1 29	23 55	0 17	23 40	0 30	10 56	1 36	30 20	6 46	23 40	23 39	10 58		n.a.
S 27	23 46	24 41	2 0	22 48	0 8	17 20	0 50	24 42	0 56	13 16	1 29	23 55	0 17	23 40	0 30	10 57	1 36	30 20	6 46	23 40	23 39	10 55		n.a.
M28	23 47	24 28	0 43	22 26	0n 7	16 56	0 45	24 43	0 57	13 16	1 30	23 54	0 17	23 39	0 30	10 57	1 36	30 20	6 46	23 40	23 39	10 52		n.a.
T 29	23 47	22 36	0s38	22 4	0 22	16 32	0 40	24 44	0 57	13 17	1 30	23 54	0 17	23 39	0 30	10 57	1 36	30 20	6 46	23 40	23 40	10 49		n.a.
W30	23 46	19 11	1 57	21 42	0 39	16 7	0 35	24 44	0 57	13 18	1 30	23 54	0 17	23 39	0 30	10 57	1 37	30 20	6 46	23 40	23 40	10 47		n.a.
T 31	23s45	14n33	3s 8	21s21	0n56	15s42	0s30	24s44	0s58	13n18	1n31	23s53	0s17	23s38	0s30	10n57	1n37	30s20	6s46	23s40	23s40	10s44		n.a.

Julian Day Number = 1469734.5, Delta T = 05h32m02s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'25, Lahiri = -13°28'25 Julian Calendar 1 Dec. 690 BCE == Greg. Calendar 24 Nov. 690 BCE

The year -689 astronomical counting style corresponds to year 690 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

JANUARY 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 10 9	3♑44'24	26♌15	20♑18	20♒23	2♑ 2	29°R14	6♑53	13♑ 1	5°R55	7♑15	5♑17	5♑24	22♒23	n.a.	F 1
S 2	6 14 5	4°45'14	10♍45	20°R28	21°26	2°49	29♌12	7° 1	13° 4	5♍55	7°16	5°17	5°21	22°30	n.a.	S 2
S 3	6 18 2	5°46'03	25° 1	20°26	22°28	3°36	29° 9	7° 8	13° 8	5°54	7°18	5°R17	5°18	22°37	n.a.	S 3
M 4	6 21 58	6°46'51	9♎ 1	20°13	23°30	4°23	29° 7	7°15	13°11	5°54	7°20	5°D17	5°15	22°43	n.a.	M 4
T 5	6 25 55	7°47'38	22°42	19°50	24°31	5°11	29° 5	7°22	13°15	5°53	7°22	5°17	5°12	22°50	n.a.	T 5
W 6	6 29 51	8°48'23	6♏ 6	19°16	25°32	5°58	29° 2	7°30	13°18	5°52	7°24	5°18	5° 9	22°57	n.a.	W 6
T 7	6 33 48	9°49'08	19°14	18°33	26°33	6°45	28°59	7°37	13°22	5°51	7°26	5°18	5° 5	23° 3	n.a.	T 7
F 8	6 37 45	10°49'51	2♐ 8	17°41	27°33	7°33	28°56	7°44	13°25	5°51	7°27	5°19	5° 2	23°10	n.a.	F 8
S 9	6 41 41	11°50'33	14°47	16°42	28°32	8°20	28°53	7°51	13°29	5°50	7°29	5°19	4°59	23°17	n.a.	S 9
S 10	6 45 38	12°51'13	27°15	15°39	29°32	9° 8	28°49	7°59	13°32	5°49	7°31	5°20	4°56	23°24	n.a.	S 10
M11	6 49 34	13°51'52	9♑32	14°31	0♓30	9°55	28°46	8° 6	13°36	5°48	7°33	5°R20	4°53	23°30	n.a.	M11
T 12	6 53 31	14°52'30	21°40	13°22	1°29	10°42	28°42	8°13	13°39	5°47	7°35	5°19	4°49	23°37	n.a.	T 12
W13	6 57 27	15°53'05	3♒40	12°13	2°26	11°30	28°38	8°20	13°43	5°47	7°37	5°18	4°46	23°44	n.a.	W13
T 14	7 1 24	16°53'39	15°34	11° 6	3°24	12°17	28°34	8°28	13°46	5°46	7°38	5°17	4°43	23°50	n.a.	T 14
F 15	7 5 20	17°54'11	27°25	10° 2	4°20	13° 4	28°30	8°35	13°50	5°45	7°40	5°15	4°40	23°57	n.a.	F 15
S 16	7 9 17	18°54'40	9♓15	9° 3	5°16	13°52	28°25	8°42	13°53	5°44	7°42	5°13	4°37	24° 4	n.a.	S 16
S 17	7 13 14	19°55'08	21° 7	8°10	6°12	14°39	28°21	8°49	13°57	5°43	7°44	5°11	4°34	24°10	n.a.	S 17
M18	7 17 10	20°55'34	3♈ 5	7°24	7° 6	15°26	28°16	8°56	14° 0	5°42	7°46	5° 9	4°30	24°17	n.a.	M18
T 19	7 21 7	21°55'58	15°14	6°44	8° 1	16°14	28°11	9° 3	14° 4	5°41	7°47	5° 8	4°27	24°24	n.a.	T 19
W20	7 25 3	22°56'20	27°38	6°12	8°54	17° 1	28° 6	9°11	14° 7	5°39	7°49	5°D 8	4°24	24°30	n.a.	W20
T 21	7 29 0	23°56'39	10♉20	5°47	9°47	17°48	28° 1	9°18	14°10	5°38	7°51	5° 9	4°21	24°37	n.a.	T 21
F 22	7 32 56	24°56'57	23°26	5°29	10°39	18°35	27°55	9°25	14°14	5°37	7°53	5°10	4°18	24°44	n.a.	F 22
S 23	7 36 53	25°57'12	6♊58	5°19	11°30	19°23	27°50	9°32	14°17	5°36	7°54	5°12	4°15	24°50	n.a.	S 23
S 24	7 40 49	26°57'26	20°57	5°D16	12°21	20°10	27°44	9°39	14°21	5°35	7°56	5°13	4°11	24°57	n.a.	S 24
M25	7 44 46	27°57'37	5♋22	5°19	13°11	20°57	27°38	9°46	14°24	5°34	7°58	5°R13	4° 8	25° 4	n.a.	M25
T 26	7 48 43	28°57'46	20°10	5°28	13°59	21°44	27°32	9°53	14°28	5°32	8° 0	5°13	4° 5	25°11	n.a.	T 26
W27	7 52 39	29°57'53	5♌13	5°44	14°47	22°32	27°26	10° 0	14°31	5°31	8° 1	5°11	4° 2	25°17	n.a.	W27
T 28	7 56 36	0♒57'58	20°22	6° 5	15°35	23°19	27°20	10° 7	14°34	5°30	8° 3	5° 8	3°59	25°24	n.a.	T 28
F 29	8 0 32	1°58'02	5♍29	6°31	16°21	24° 6	27°14	10°14	14°38	5°29	8° 5	5° 4	3°55	25°31	n.a.	F 29
S 30	8 4 29	2°58'03	20°23	7° 2	17° 6	24°53	27° 7	10°21	14°41	5°27	8° 6	5° 0	3°52	25°37	n.a.	S 30
S 31	8 8 25	3♒58'02	4♎57	7♑37	17♓50	25♑40	27♌ 1	10♑28	14♑44	5♍26	8♑ 8	4♑57	3♑49	25♒44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s43	9n 5	4s 7	21s 1	1n13	15s17	0s25	24s44	0s58	13n19	1n31	23s53	0s17	23s38	0s30	10n58	1n37	30s20	6s46	23s40	23s40	10s41		n.a.
S 2	23 41	3 11	4 49	20 41	1 31	14 52	0 20	24 43	0 58	13 20	1 31	23 53	0 17	23 38	0 30	10 58	1 37	30 20	6 46	23 40	23 40	10 38		n.a.
S 3	23 39	2s46	5 13	20 24	1 49	14 27	0 14	24 42	0 59	13 21	1 32	23 53	0 18	23 37	0 30	10 58	1 37	30 20	6 46	23 40	23 40	10 36		n.a.
M 4	23 36	8 28	5 17	20 8	2 7	14 1	0 9	24 41	0 59	13 23	1 32	23 52	0 18	23 37	0 30	10 59	1 37	30 20	6 46	23 40	23 40	10 33		n.a.
T 5	23 33	13 38	5 3	19 55	2 24	13 35	0 3	24 40	0 59	13 24	1 32	23 52	0 18	23 37	0 30	10 59	1 37	30 20	6 46	23 40	23 40	10 30		n.a.
W 6	23 29	18 2	4 33	19 43	2 41	13 9	0n 3	24 38	1 0	13 25	1 32	23 52	0 18	23 36	0 30	10 59	1 37	30 20	6 46	23 40	23 41	10 27		n.a.
T 7	23 25	21 27	3 49	19 34	2 56	12 42	0 9	24 36	1 0	13 26	1 33	23 51	0 18	23 36	0 30	10 59	1 37	30 20	6 46	23 40	23 41	10 25		n.a.
F 8	23 20	23 43	2 54	19 28	3 10	12 16	0 15	24 34	1 0	13 28	1 33	23 51	0 18	23 36	0 30	11 0	1 37	30 20	6 46	23 40	23 41	10 22		n.a.
S 9	23 15	24 45	1 52	19 23	3 22	11 49	0 21	24 31	1 1	13 29	1 33	23 50	0 18	23 35	0 30	11 0	1 37	30 20	6 47	23 40	23 41	10 19		n.a.
S 10	23 9	24 30	0 45	19 21	3 32	11 22	0 27	24 28	1 1	13 30	1 34	23 50	0 18	23 35	0 30	11 0	1 37	30 20	6 47	23 40	23 41	10 16		n.a.
M11	23 3	23 3	0n23	19 20	3 39	10 55	0 34	24 25	1 1	13 32	1 34	23 50	0 18	23 35	0 30	11 1	1 37	30 20	6 47	23 40	23 41	10 14		n.a.
T 12	22 56	20 32	1 29	19 22	3 45	10 28	0 40	24 22	1 1	13 34	1 34	23 49	0 18	23 34	0 30	11 1	1 37	30 20	6 47	23 40	23 41	10 11		n.a.
W13	22 49	17 10	2 31	19 25	3 48	10 1	0 47	24 18	1 2	13 35	1 34	23 49	0 18	23 34	0 30	11 2	1 37	30 19	6 47	23 40	23 41	10 8		n.a.
T 14	22 42	13 8	3 25	19 30	3 49	9 34	0 54	24 14	1 2	13 37	1 35	23 49	0 18	23 34	0 30	11 2	1 37	30 19	6 47	23 40	23 42	10 5		n.a.
F 15	22 34	8 38	4 10	19 36	3 48	9 7	1 1	24 9	1 2	13 39	1 35	23 48	0 19	23 33	0 30	11 2	1 37	30 19	6 47	23 40	23 42	10 3		n.a.
S 16	22 25	3 50	4 44	19 44	3 44	8 40	1 8	24 5	1 2	13 41	1 35	23 48	0 19	23 33	0 30	11 3	1 37	30 19	6 47	23 40	23 42	10 0		n.a.
S 17	22 17	1n 7	5 7	19 52	3 39	8 12	1 15	24 0	1 3	13 42	1 36	23 47	0 19	23 32	0 30	11 3	1 38	30 19	6 47	23 41	23 42	9 57		n.a.
M18	22 7	6 4	5 16	20 2	3 32	7 45	1 22	23 55	1 3	13 44	1 36	23 47	0 19	23 32	0 30	11 4	1 38	30 19	6 47	23 41	23 42	9 54		n.a.
T 19	21 58	10 51	5 11	20 12	3 24	7 18	1 30	23 49	1 3	13 46	1 36	23 47	0 19	23 32	0 30	11 4	1 38	30 19	6 47	23 41	23 42	9 52		n.a.
W20	21 48	15 18	4 52	20 23	3 15	6 51	1 37	23 43	1 3	13 48	1 36	23 46	0 19	23 31	0 30	11 5	1 38	30 19	6 48	23 41	23 42	9 49		n.a.
T 21	21 37	19 12	4 19	20 35	3 5	6 24	1 45	23 37	1 4	13 50	1 37	23 46	0 19	23 31	0 30	11 5	1 38	30 19	6 48	23 41	23 42	9 46		n.a.
F 22	21 27	22 17	3 31	20 46	2 54	5 57	1 53	23 31	1 4	13 53	1 37	23 45	0 19	23 31	0 30	11 6	1 38	30 19	6 48	23 41	23 42	9 43		n.a.
S 23	21 15	24 14	2 30	20 58	2 42	5 30	2 0	23 25	1 4	13 55	1 37	23 45	0 19	23 30	0 30	11 6	1 38	30 19	6 48	23 40	23 43	9 41		n.a.
S 24	21 4	24 46	1 18	21 10	2 30	5 3	2 8	23 18	1 4	13 57	1 37	23 45	0 19	23 30	0 30	11 6	1 38	30 19	6 48	23 40	23 43	9 38		n.a.
M25	20 52	23 39	0s 1	21 23	2 18	4 36	2 16	23 11	1 4	13 59	1 37	23 44	0 19	23 30	0 31	11 7	1 38	30 19	6 48	23 40	23 43	9 35		n.a.
T 26	20 39	20 54	1 21	21 35	2 5	4 10	2 24	23 3	1 4	14 1	1 38	23 44	0 19	23 29	0 31	11 7	1 38	30 19	6 48	23 40	23 43	9 32		n.a.
W27	20 27	16 41	2 38	21 46	1 53	3 44	2 33	22 56	1 5	14 4	1 38	23 43	0 20	23 29	0 31	11 8	1 38	30 20	6 48	23 41	23 43	9 30		n.a.
T 28	20 14	11 23	3 43	21 58	1 40	3 18	2 41	22 48	1 5	14 6	1 38	23 43	0 20	23 28	0 31	11 8	1 38	30 20	6 49	23 41	23 43	9 27		n.a.
F 29	20 0	5 25	4 33	22 9	1 28	2 52	2 49	22 40	1 5	14 9	1 38	23 42	0 20	23 28	0 31	11 9	1 38	30 20	6 49	23 41	23 43	9 24		n.a.
S 30	19 46	0s46	5 3	22 20	1 16	2 26	2 58	22 31	1 5	14 11	1 39	23 42	0 20	23 28	0 31	11 10	1 38	30 20	6 49	23 41	23 43	9 21		n.a.
S 31	19s32	6s47	5s13	22s30	1n 4	2s 1	3n 6	22s23	1s 5	14n13	1n39	23s41	0s20	23s27	0s31	11n10	1n38	30s20	6s49	23s41	23s43	9s19		n.a.

Julian Day Number = 1469765.5, Delta T = 05h32m01s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'21, Lahiri = -13°28'21 Julian Calendar 1 Jan. 689 BCE == Greg. Calendar 25 Dec. 690 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

FEBRUARY 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 12 22	4♒58'00	19♎ 8	8♑17	18♓33	26♑27	26°R54	10♑35	14♑48	5°R25	8♑10	4°R55	3♑46	25♒51	n.a.	M 1
T 2	8 16 18	5°57'56	2♏53	9° 1	19°15	27°14	26♌47	10°41	14°51	5♍23	8°12	4°D54	3°43	25°57	n.a.	T 2
W 3	8 20 15	6°57'50	16°14	9°48	19°56	28° 2	26°41	10°48	14°54	5°22	8°13	4♑54	3°40	26° 4	n.a.	W 3
T 4	8 24 12	7°57'43	29°12	10°39	20°36	28°49	26°34	10°55	14°58	5°21	8°15	4°55	3°36	26°11	n.a.	T 4
F 5	8 28 8	8°57'34	11♐52	11°33	21°14	29°36	26°27	11° 2	15° 1	5°19	8°16	4°57	3°33	26°18	n.a.	F 5
S 6	8 32 5	9°57'23	24°16	12°29	21°51	0♒23	26°20	11° 8	15° 4	5°18	8°18	4°58	3°30	26°24	n.a.	S 6
S 7	8 36 1	10°57'10	6♑28	13°29	22°27	1°10	26°12	11°15	15° 7	5°16	8°20	4°R59	3°27	26°31	n.a.	S 7
M 8	8 39 58	11°56'55	18°32	14°31	23° 2	1°57	26° 5	11°22	15°11	5°15	8°21	4°58	3°24	26°38	n.a.	M 8
T 9	8 43 54	12°56'38	0♒29	15°36	23°35	2°44	25°58	11°28	15°14	5°13	8°23	4°55	3°21	26°44	n.a.	T 9
W10	8 47 51	13°56'19	12°22	16°43	24° 7	3°31	25°50	11°35	15°17	5°12	8°24	4°50	3°17	26°51	n.a.	W10
T 11	8 51 47	14°55'57	24°13	17°52	24°37	4°18	25°43	11°41	15°20	5°10	8°26	4°44	3°14	26°58	n.a.	T 11
F 12	8 55 44	15°55'34	6♓ 4	19° 4	25° 6	5° 5	25°35	11°48	15°23	5° 9	8°27	4°36	3°11	27° 4	n.a.	F 12
S 13	8 59 41	16°55'08	17°56	20°17	25°32	5°52	25°28	11°54	15°26	5° 7	8°29	4°28	3° 8	27°11	n.a.	S 13
S 14	9 3 37	17°54'40	29°50	21°32	25°58	6°38	25°20	12° 0	15°29	5° 6	8°30	4°20	3° 5	27°18	n.a.	S 14
M15	9 7 34	18°54'10	11♈51	22°49	26°21	7°25	25°12	12° 7	15°32	5° 4	8°32	4°13	3° 1	27°25	n.a.	M15
T 16	9 11 30	19°53'37	24° 1	24° 8	26°43	8°12	25° 5	12°13	15°35	5° 3	8°33	4° 7	2°58	27°31	n.a.	T 16
W17	9 15 27	20°53'02	6♉23	25°29	27° 2	8°59	24°57	12°19	15°38	5° 1	8°35	4° 4	2°55	27°38	n.a.	W17
T 18	9 19 23	21°52'24	19° 1	26°51	27°20	9°46	24°49	12°25	15°41	4°59	8°36	4°D 3	2°52	27°45	n.a.	T 18
F 19	9 23 20	22°51'44	1♊59	28°15	27°36	10°32	24°42	12°32	15°44	4°58	8°38	4° 3	2°49	27°51	n.a.	F 19
S 20	9 27 16	23°51'02	15°22	29°40	27°50	11°19	24°34	12°38	15°47	4°56	8°39	4° 4	2°46	27°58	n.a.	S 20
S 21	9 31 13	24°50'17	29°11	1♒ 7	28° 1	12° 6	24°26	12°44	15°50	4°55	8°40	4°R 5	2°42	28° 5	n.a.	S 21
M22	9 35 9	25°49'30	13♋28	2°35	28°10	12°52	24°18	12°50	15°53	4°53	8°42	4° 5	2°39	28°11	n.a.	M22
T 23	9 39 6	26°48'40	28°12	4° 5	28°17	13°39	24°11	12°56	15°56	4°51	8°43	4° 3	2°36	28°18	n.a.	T 23
W24	9 43 3	27°47'48	13♌16	5°37	28°22	14°25	24° 3	13° 2	15°59	4°50	8°44	3°58	2°33	28°25	n.a.	W24
T 25	9 46 59	28°46'54	28°33	7°10	28°R24	15°12	23°55	13° 7	16° 1	4°48	8°46	3°52	2°30	28°31	n.a.	T 25
F 26	9 50 56	29°45'57	13♍52	8°44	28°24	15°58	23°47	13°13	16° 4	4°46	8°47	3°44	2°26	28°38	n.a.	F 26
S 27	9 54 52	0♓44'58	29° 2	10°20	28°21	16°45	23°40	13°19	16° 7	4°45	8°48	3°35	2°23	28°45	n.a.	S 27
S 28	9 58 49	1°43'58	13♎53	11°57	28°16	17°31	23°32	13°24	16°10	4°43	8°49	3°27	2°20	28°52	n.a.	S 28
M29	10 2 45	2♓42'55	28♎17	13♒36	28♓ 9	18♒18	23♌25	13♑30	16♑12	4♍42	8♑51	3♑20	2♑17	28♒58	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s18	12s16	5s 4	22s39	0n52	1s36	3n15	22s14	1s 5	14n16	1n39	23s41	0s20	23s27	0s31	11n11	1n38	30s20	6s49	23s41	23s43	9s16		n.a.
T 2	19 3	16 58	4 37	22 48	0 40	1 12	3 24	22 5	1 5	14 18	1 39	23 40	0 20	23 27	0 31	11 11	1 38	30 20	6 49	23 41	23 44	9 13		n.a.
W 3	18 48	20 41	3 56	22 56	0 29	0 47	3 33	21 55	1 6	14 21	1 39	23 40	0 20	23 26	0 31	11 12	1 38	30 20	6 49	23 41	23 44	9 10		n.a.
T 4	18 32	23 15	3 3	23 3	0 18	0 23	3 42	21 46	1 6	14 24	1 39	23 40	0 20	23 26	0 31	11 12	1 38	30 20	6 50	23 41	23 44	9 7		n.a.
F 5	18 16	24 34	2 3	23 9	0 7	0n 0	3 51	21 36	1 6	14 26	1 40	23 39	0 20	23 26	0 31	11 13	1 38	30 20	6 50	23 41	23 44	9 5		n.a.
S 6	18 0	24 37	0 58	23 14	0s 3	0 23	4 0	21 26	1 6	14 29	1 40	23 39	0 20	23 25	0 31	11 13	1 38	30 20	6 50	23 41	23 44	9 2		n.a.
S 7	17 44	23 29	0n 8	23 18	0 13	0 46	4 9	21 15	1 6	14 31	1 40	23 38	0 21	23 25	0 31	11 14	1 38	30 20	6 50	23 41	23 44	8 59		n.a.
M 8	17 27	21 16	1 13	23 21	0 23	1 8	4 18	21 5	1 6	14 34	1 40	23 38	0 21	23 25	0 31	11 15	1 38	30 20	6 50	23 41	23 44	8 56		n.a.
T 9	17 10	18 9	2 14	23 23	0 32	1 30	4 27	20 54	1 6	14 37	1 40	23 37	0 21	23 24	0 31	11 15	1 38	30 20	6 50	23 41	23 44	8 54		n.a.
W10	16 53	14 18	3 9	23 24	0 41	1 51	4 36	20 43	1 6	14 39	1 40	23 37	0 21	23 24	0 31	11 16	1 38	30 20	6 51	23 41	23 44	8 51		n.a.
T 11	16 35	9 56	3 55	23 23	0 50	2 11	4 46	20 32	1 6	14 42	1 40	23 36	0 21	23 24	0 31	11 16	1 39	30 20	6 51	23 42	23 44	8 48		n.a.
F 12	16 17	5 13	4 31	23 22	0 58	2 31	4 55	20 20	1 6	14 45	1 41	23 36	0 21	23 23	0 31	11 17	1 39	30 20	6 51	23 42	23 44	8 45		n.a.
S 13	15 59	0 18	4 56	23 18	1 6	2 51	5 4	20 9	1 6	14 47	1 41	23 35	0 21	23 23	0 31	11 17	1 39	30 20	6 51	23 42	23 44	8 42		n.a.
S 14	15 41	4n37	5 7	23 14	1 13	3 9	5 13	19 57	1 6	14 50	1 41	23 35	0 21	23 22	0 31	11 18	1 39	30 20	6 51	23 42	23 45	8 40		n.a.
M15	15 22	9 26	5 6	23 8	1 20	3 27	5 23	19 45	1 6	14 53	1 41	23 34	0 21	23 22	0 31	11 19	1 39	30 21	6 52	23 43	23 45	8 37		n.a.
T 16	15 3	13 56	4 50	23 1	1 27	3 44	5 32	19 32	1 6	14 56	1 41	23 34	0 21	23 22	0 31	11 19	1 39	30 21	6 52	23 43	23 45	8 34		n.a.
W17	14 44	17 56	4 21	22 52	1 33	4 0	5 41	19 20	1 6	14 58	1 41	23 33	0 21	23 21	0 31	11 20	1 39	30 21	6 52	23 43	23 45	8 31		n.a.
T 18	14 25	21 13	3 39	22 42	1 39	4 16	5 50	19 7	1 6	15 1	1 41	23 33	0 22	23 21	0 31	11 21	1 39	30 21	6 52	23 43	23 45	8 29		n.a.
F 19	14 5	23 32	2 44	22 31	1 45	4 30	5 59	18 54	1 6	15 4	1 41	23 32	0 22	23 21	0 31	11 21	1 39	30 21	6 52	23 43	23 45	8 26		n.a.
S 20	13 46	24 36	1 39	22 18	1 50	4 44	6 8	18 41	1 6	15 6	1 41	23 32	0 22	23 20	0 31	11 22	1 39	30 21	6 52	23 43	23 45	8 23		n.a.
S 21	13 26	24 13	0 26	22 3	1 54	4 57	6 17	18 28	1 6	15 9	1 41	23 31	0 22	23 20	0 31	11 22	1 39	30 21	6 53	23 43	23 45	8 20		n.a.
M22	13 5	22 15	0s50	21 47	1 58	5 8	6 25	18 15	1 6	15 12	1 41	23 31	0 22	23 20	0 31	11 23	1 39	30 21	6 53	23 43	23 45	8 17		n.a.
T 23	12 45	18 46	2 6	21 29	2 2	5 19	6 34	18 1	1 6	15 14	1 41	23 30	0 22	23 20	0 31	11 24	1 39	30 21	6 53	23 43	23 45	8 15		n.a.
W24	12 25	13 58	3 14	21 9	2 5	5 28	6 42	17 48	1 6	15 17	1 41	23 30	0 22	23 19	0 31	11 24	1 39	30 21	6 53	23 43	23 45	8 12		n.a.
T 25	12 4	8 15	4 10	20 48	2 8	5 36	6 50	17 34	1 6	15 20	1 41	23 29	0 22	23 19	0 31	11 25	1 39	30 22	6 54	23 43	23 45	8 9		n.a.
F 26	11 43	2 1	4 47	20 26	2 10	5 43	6 58	17 20	1 6	15 22	1 42	23 29	0 22	23 19	0 31	11 25	1 39	30 22	6 54	23 44	23 45	8 6		n.a.
S 27	11 22	4s15	5 4	20 1	2 12	5 49	7 5	17 5	1 6	15 25	1 42	23 28	0 22	23 18	0 31	11 26	1 39	30 22	6 54	23 44	23 45	8 4		n.a.
S 28	11 1	10 9	5 0	19 35	2 14	5 53	7 12	16 51	1 6	15 28	1 42	23 28	0 23	23 18	0 31	11 27	1 39	30 22	6 54	23 44	23 45	8 1		n.a.
M29	10s39	15s19	4s37	19s 8	2s15	5n56	7n19	16s36	1s 6	15n30	1n42	23s28	0s23	23s18	0s31	11n27	1n39	30s22	6s54	23s44	23s46	7s58		n.a.

Julian Day Number = 1469796.5, Delta T = 05h31m59s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'17, Lahiri = -13°28'16 Julian Calendar 1 Feb. 689 BCE == Greg. Calendar 25 Jan. 689 BCE

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

MARCH 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 6 42	3♓41'51	12♏13	15♒16	27°R59	19♒ 4	23°R17	13♑36	16♑15	4°R40	8♑52	3°R16	2♑14	29♒ 5	n.a.	T 1
W 2	10 10 38	4°40'44	25°39	16°57	27♓46	19°50	23♌ 9	13°41	16°17	4♍38	8°53	3♑14	2°11	29°12	n.a.	W 2
T 3	10 14 35	5°39'36	8♐38	18°40	27°31	20°37	23° 2	13°46	16°20	4°37	8°54	3°D14	2° 7	29°18	n.a.	T 3
F 4	10 18 32	6°38'26	21°15	20°25	27°14	21°23	22°55	13°52	16°23	4°35	8°55	3°14	2° 4	29°25	n.a.	F 4
S 5	10 22 28	7°37'15	3♑33	22°11	26°54	22° 9	22°47	13°57	16°25	4°33	8°56	3°R15	2° 1	29°32	n.a.	S 5
S 6	10 26 25	8°36'01	15°38	23°59	26°32	22°55	22°40	14° 2	16°28	4°32	8°58	3°14	1°58	29°39	n.a.	S 6
M 7	10 30 21	9°34'46	27°35	25°48	26° 8	23°41	22°33	14° 7	16°30	4°30	8°59	3°11	1°55	29°45	n.a.	M 7
T 8	10 34 18	10°33'28	9♒26	27°38	25°41	24°28	22°26	14°13	16°32	4°28	9° 0	3° 5	1°52	29°52	n.a.	T 8
W 9	10 38 14	11°32'09	21°15	29°30	25°13	25°14	22°19	14°18	16°35	4°27	9° 1	2°57	1°48	29°59	n.a.	W 9
T 10	10 42 11	12°30'47	3♓ 5	1♓24	24°43	26° 0	22°12	14°23	16°37	4°25	9° 2	2°47	1°45	0♓ 5	n.a.	T 10
F 11	10 46 7	13°29'24	14°58	3°19	24°11	26°46	22° 5	14°27	16°39	4°23	9° 3	2°34	1°42	0°12	n.a.	F 11
S 12	10 50 4	14°27'58	26°54	5°15	23°37	27°32	21°58	14°32	16°41	4°22	9° 4	2°21	1°39	0°19	n.a.	S 12
S 13	10 54 0	15°26'30	8♈56	7°14	23° 2	28°17	21°52	14°37	16°44	4°20	9° 4	2° 8	1°36	0°25	n.a.	S 13
M14	10 57 57	16°25'00	21° 4	9°13	22°26	29° 3	21°45	14°42	16°46	4°19	9° 5	1°56	1°32	0°32	n.a.	M14
T 15	11 1 54	17°23'29	3♉20	11°14	21°50	29°49	21°39	14°46	16°48	4°17	9° 6	1°47	1°29	0°39	n.a.	T 15
W16	11 5 50	18°21'54	15°47	13°16	21°12	0♓35	21°32	14°51	16°50	4°15	9° 7	1°40	1°26	0°46	n.a.	W16
T 17	11 9 47	19°20'18	28°27	15°20	20°34	1°21	21°26	14°55	16°52	4°14	9° 8	1°36	1°23	0°52	n.a.	T 17
F 18	11 13 43	20°18'40	11♊24	17°25	19°56	2° 6	21°20	14°59	16°54	4°12	9° 9	1°35	1°20	0°59	n.a.	F 18
S 19	11 17 40	21°16'59	24°41	19°30	19°18	2°52	21°14	15° 4	16°56	4°11	9° 9	1°35	1°17	1° 6	n.a.	S 19
S 20	11 21 36	22°15'16	8♋21	21°37	18°40	3°37	21° 8	15° 8	16°58	4° 9	9°10	1°35	1°13	1°12	n.a.	S 20
M21	11 25 33	23°13'31	22°26	23°45	18° 3	4°23	21° 3	15°12	17° 0	4° 8	9°11	1°33	1°10	1°19	n.a.	M21
T 22	11 29 29	24°11'44	6♌55	25°53	17°27	5° 8	20°57	15°16	17° 2	4° 6	9°12	1°30	1° 7	1°26	n.a.	T 22
W23	11 33 26	25° 9'54	21°47	28° 1	16°51	5°54	20°52	15°20	17° 3	4° 5	9°12	1°24	1° 4	1°32	n.a.	W23
T 24	11 37 23	26° 8'03	6♍54	0♈10	16°17	6°39	20°47	15°24	17° 5	4° 3	9°13	1°16	1° 1	1°39	n.a.	T 24
F 25	11 41 19	27° 6'09	22° 7	2°18	15°44	7°25	20°42	15°28	17° 7	4° 2	9°14	1° 5	0°58	1°46	n.a.	F 25
S 26	11 45 16	28° 4'13	7♎16	4°26	15°13	8°10	20°37	15°32	17° 8	4° 0	9°14	0°54	0°54	1°53	n.a.	S 26
S 27	11 49 12	29° 2'16	22°10	6°34	14°44	8°55	20°32	15°35	17°10	3°59	9°15	0°44	0°51	1°59	n.a.	S 27
M28	11 53 9	0♈ 0'17	6♏41	8°40	14°17	9°40	20°27	15°39	17°12	3°57	9°15	0°35	0°48	2° 6	n.a.	M28
T 29	11 57 5	0°58'17	20°44	10°45	13°52	10°25	20°23	15°42	17°13	3°56	9°16	0°29	0°45	2°13	n.a.	T 29
W30	12 1 2	1°56'15	4♐17	12°48	13°29	11°11	20°18	15°46	17°15	3°54	9°16	0°25	0°42	2°19	n.a.	W30
T 31	12 4 58	2♈54'12	17♐21	14♈50	13♓ 8	11♓56	20♌14	15♑49	17♑16	3♍53	9♑17	0♑23	0♑38	2♓26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s18	19s29	3s58	18s38	2s15	5n58	7n25	16s22	1s 6	15n33	1n42	23s27	0s23	23s17	0s31	11n28	1n39	30s22	6s55	23s44	23s46	7s55		n.a.
W 2	9 56	22 28	3 7	18 7	2 15	5 58	7 31	16 7	1 6	15 35	1 41	23 27	0 23	23 17	0 31	11 29	1 39	30 22	6 55	23 44	23 46	7 52		n.a.
T 3	9 34	24 9	2 8	17 34	2 15	5 57	7 36	15 52	1 6	15 38	1 41	23 26	0 23	23 17	0 31	11 29	1 39	30 22	6 55	23 44	23 46	7 50		n.a.
F 4	9 12	24 33	1 4	17 0	2 14	5 54	7 41	15 37	1 6	15 40	1 41	23 26	0 23	23 16	0 31	11 30	1 39	30 23	6 55	23 44	23 46	7 47		n.a.
S 5	8 50	23 42	0n 2	16 24	2 12	5 50	7 45	15 21	1 6	15 42	1 41	23 25	0 23	23 16	0 31	11 30	1 39	30 23	6 55	23 44	23 46	7 44		n.a.
S 6	8 28	21 46	1 6	15 46	2 10	5 45	7 48	15 6	1 6	15 45	1 41	23 25	0 23	23 16	0 31	11 31	1 39	30 23	6 56	23 44	23 46	7 41		n.a.
M 7	8 5	18 53	2 6	15 6	2 8	5 38	7 51	14 50	1 5	15 47	1 41	23 24	0 23	23 16	0 31	11 32	1 39	30 23	6 56	23 44	23 46	7 38		n.a.
T 8	7 43	15 15	3 0	14 24	2 5	5 29	7 53	14 35	1 5	15 49	1 41	23 24	0 24	23 15	0 31	11 32	1 39	30 23	6 56	23 44	23 46	7 36		n.a.
W 9	7 20	11 3	3 46	13 41	2 1	5 19	7 55	14 19	1 5	15 52	1 41	23 23	0 24	23 15	0 31	11 33	1 39	30 23	6 56	23 45	23 46	7 33		n.a.
T 10	6 58	6 27	4 22	12 57	1 57	5 7	7 55	14 3	1 5	15 54	1 41	23 23	0 24	23 15	0 31	11 33	1 39	30 24	6 57	23 45	23 46	7 30		n.a.
F 11	6 35	1 36	4 47	12 10	1 52	4 54	7 55	13 47	1 5	15 56	1 41	23 23	0 24	23 15	0 31	11 34	1 39	30 24	6 57	23 45	23 46	7 27		n.a.
S 12	6 12	3n19	5 0	11 22	1 47	4 40	7 54	13 31	1 5	15 58	1 41	23 22	0 24	23 14	0 31	11 35	1 39	30 24	6 57	23 45	23 46	7 24		n.a.
S 13	5 49	8 9	4 59	10 32	1 41	4 24	7 52	13 15	1 5	16 0	1 41	23 22	0 24	23 14	0 31	11 35	1 39	30 24	6 57	23 46	23 46	7 22		n.a.
M14	5 26	12 43	4 45	9 41	1 35	4 8	7 49	12 58	1 4	16 2	1 41	23 21	0 24	23 14	0 32	11 36	1 39	30 24	6 58	23 46	23 46	7 19		n.a.
T 15	5 3	16 49	4 17	8 48	1 28	3 50	7 45	12 42	1 4	16 4	1 41	23 21	0 24	23 14	0 32	11 36	1 39	30 24	6 58	23 46	23 46	7 16		n.a.
W16	4 40	20 15	3 37	7 54	1 20	3 30	7 41	12 25	1 4	16 6	1 41	23 21	0 24	23 13	0 32	11 37	1 39	30 25	6 58	23 46	23 46	7 13		n.a.
T 17	4 17	22 47	2 46	6 58	1 13	3 11	7 35	12 8	1 4	16 8	1 40	23 20	0 25	23 13	0 32	11 38	1 39	30 25	6 58	23 46	23 46	7 11		n.a.
F 18	3 53	24 12	1 45	6 2	1 4	2 50	7 29	11 52	1 4	16 10	1 40	23 20	0 25	23 13	0 32	11 38	1 39	30 25	6 59	23 46	23 46	7 8		n.a.
S 19	3 30	24 17	0 36	5 4	0 55	2 28	7 22	11 35	1 3	16 12	1 40	23 19	0 25	23 13	0 32	11 39	1 39	30 25	6 59	23 46	23 46	7 5		n.a.
S 20	3 7	22 55	0s36	4 4	0 46	2 6	7 14	11 18	1 3	16 14	1 40	23 19	0 25	23 12	0 32	11 39	1 39	30 25	6 59	23 46	23 46	7 2		n.a.
M21	2 44	20 6	1 48	3 5	0 37	1 44	7 6	11 1	1 3	16 15	1 40	23 19	0 25	23 12	0 32	11 40	1 39	30 26	6 59	23 46	23 46	6 59		n.a.
T 22	2 20	15 59	2 55	2 4	0 27	1 21	6 56	10 44	1 3	16 17	1 40	23 18	0 25	23 12	0 32	11 40	1 39	30 26	7 0	23 46	23 46	6 57		n.a.
W23	1 57	10 47	3 52	1 3	0 16	0 58	6 46	10 27	1 3	16 19	1 40	23 18	0 25	23 12	0 32	11 41	1 39	30 26	7 0	23 46	23 46	6 54		n.a.
T 24	1 33	4 52	4 34	0 1	0 6	0 35	6 35	10 9	1 2	16 20	1 39	23 18	0 25	23 12	0 32	11 42	1 39	30 26	7 0	23 46	23 46	6 51		n.a.
F 25	1 10	1s22	4 57	1n 0	0n 5	0 12	6 24	9 52	1 2	16 22	1 39	23 17	0 26	23 12	0 32	11 42	1 39	30 26	7 0	23 46	23 46	6 48		n.a.
S 26	0 47	7 29	4 59	2 2	0 16	0s11	6 13	9 35	1 2	16 23	1 39	23 17	0 26	23 11	0 32	11 43	1 39	30 27	7 1	23 47	23 47	6 45		n.a.
S 27	0 23	13 4	4 40	3 3	0 27	0 34	6 0	9 17	1 2	16 25	1 39	23 17	0 26	23 11	0 32	11 43	1 39	30 27	7 1	23 47	23 47	6 43		n.a.
M28	0n 0	17 46	4 3	4 3	0 38	0 56	5 48	9 0	1 1	16 26	1 39	23 16	0 26	23 11	0 32	11 44	1 39	30 27	7 1	23 47	23 47	6 40		n.a.
T 29	0 23	21 17	3 13	5 3	0 48	1 17	5 35	8 42	1 1	16 27	1 39	23 16	0 26	23 11	0 32	11 44	1 39	30 27	7 1	23 47	23 47	6 37		n.a.
W30	0 47	23 29	2 13	6 2	0 59	1 38	5 22	8 25	1 1	16 29	1 38	23 16	0 26	23 11	0 32	11 45	1 39	30 27	7 2	23 47	23 47	6 34		n.a.
T 31	1n10	24s18	1s 8	6n59	1n 9	1s58	5n 9	8s 7	1s 1	16n30	1n38	23s16	0s26	23s10	0s32	11n45	1n39	30s28	7s 2	23s47	23s47	6s31		n.a.

Julian Day Number = 1469825.5, Delta T = 05h31m58s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'13, Lahiri = -13°28'12 Julian Calendar 1 March 689 BCE == Greg. Calendar 23 Feb. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

APRIL 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 8 55	3♈52'07	0♑ 1	16♈49	12°R50	12♓41	20°R10	15♑52	17♑17	3°R52	9♑17	0°R23	0♑35	2♓33	n.a.	F 1
S 2	12 12 51	4°50'01	12°20	18°46	12♓34	13°26	20♌ 6	15°55	17°19	3♍50	9°18	0♑23	0°32	2°40	n.a.	S 2
S 3	12 16 48	5°47'54	24°25	20°40	12°20	14°10	20° 3	15°58	17°20	3°49	9°18	0°22	0°29	2°46	n.a.	S 3
M 4	12 20 45	6°45'45	6♒20	22°31	12° 9	14°55	19°59	16° 1	17°21	3°48	9°18	0°19	0°26	2°53	n.a.	M 4
T 5	12 24 41	7°43'35	18°10	24°20	12° 0	15°40	19°56	16° 4	17°23	3°46	9°19	0°13	0°23	3° 0	n.a.	T 5
W 6	12 28 38	8°41'23	29°59	26° 5	11°54	16°25	19°53	16° 7	17°24	3°45	9°19	0° 5	0°19	3° 6	n.a.	W 6
T 7	12 32 34	9°39'10	11♓51	27°47	11°50	17°10	19°50	16°10	17°25	3°44	9°19	29♐54	0°16	3°13	n.a.	T 7
F 8	12 36 31	10°36'55	23°48	29°26	11°D49	17°54	19°47	16°12	17°26	3°42	9°20	29°42	0°13	3°20	n.a.	F 8
S 9	12 40 27	11°34'39	5♈51	1♉ 1	11°50	18°39	19°44	16°15	17°27	3°41	9°20	29°28	0°10	3°26	n.a.	S 9
S 10	12 44 24	12°32'21	18° 3	2°33	11°53	19°23	19°42	16°17	17°28	3°40	9°20	29°15	0° 7	3°33	n.a.	S 10
M11	12 48 20	13°30'02	0♉23	4° 2	11°59	20° 8	19°39	16°20	17°29	3°39	9°20	29° 3	0° 3	3°40	n.a.	M11
T 12	12 52 17	14°27'42	12°53	5°26	12° 6	20°52	19°37	16°22	17°30	3°38	9°20	28°54	0° 0	3°47	n.a.	T 12
W13	12 56 14	15°25'20	25°32	6°47	12°16	21°37	19°35	16°24	17°30	3°36	9°20	28°47	29♐57	3°53	n.a.	W13
T 14	13 0 10	16°22'57	8♊24	8° 5	12°28	22°21	19°34	16°26	17°31	3°35	9°21	28°43	29°54	4° 0	n.a.	T 14
F 15	13 4 7	17°20'32	21°29	9°18	12°42	23° 5	19°32	16°28	17°32	3°34	9°21	28°42	29°51	4° 7	n.a.	F 15
S 16	13 8 3	18°18'05	4♋50	10°28	12°58	23°49	19°31	16°30	17°33	3°33	9°21	28°D42	29°48	4°13	n.a.	S 16
S 17	13 12 0	19°15'37	18°28	11°34	13°16	24°34	19°30	16°31	17°33	3°32	9°R21	28°R42	29°44	4°20	n.a.	S 17
M18	13 15 56	20°13'07	2♌24	12°36	13°35	25°18	19°28	16°33	17°34	3°31	9°21	28°41	29°41	4°27	n.a.	M18
T 19	13 19 53	21°10'36	16°41	13°33	13°57	26° 2	19°28	16°35	17°34	3°30	9°21	28°39	29°38	4°34	n.a.	T 19
W20	13 23 49	22° 8'03	1♍14	14°27	14°20	26°46	19°27	16°36	17°35	3°29	9°21	28°34	29°35	4°40	n.a.	W20
T 21	13 27 46	23° 5'28	16° 1	15°17	14°45	27°30	19°27	16°38	17°35	3°28	9°20	28°27	29°32	4°47	n.a.	T 21
F 22	13 31 43	24° 2'53	0♎54	16° 2	15°11	28°14	19°26	16°39	17°36	3°27	9°20	28°19	29°29	4°54	n.a.	F 22
S 23	13 35 39	25° 0'16	15°46	16°43	15°39	28°57	19°D26	16°40	17°36	3°26	9°20	28° 9	29°25	5° 0	n.a.	S 23
S 24	13 39 36	25°57'38	0♏27	17°20	16° 9	29°41	19°26	16°41	17°36	3°26	9°20	28° 0	29°22	5° 7	n.a.	S 24
M25	13 43 32	26°54'58	14°50	17°52	16°40	0♈25	19°26	16°42	17°36	3°25	9°20	27°53	29°19	5°14	n.a.	M25
T 26	13 47 29	27°52'18	28°50	18°20	17°12	1° 8	19°27	16°43	17°37	3°24	9°20	27°47	29°16	5°21	n.a.	T 26
W27	13 51 25	28°49'38	12♐23	18°44	17°46	1°52	19°27	16°44	17°37	3°23	9°19	27°44	29°13	5°27	n.a.	W27
T 28	13 55 22	29°46'56	25°30	19° 2	18°21	2°36	19°28	16°44	17°37	3°22	9°19	27°D43	29° 9	5°34	n.a.	T 28
F 29	13 59 18	0♑44'14	8♑13	19°16	18°57	3°19	19°29	16°45	17°R37	3°22	9°19	27°43	29° 6	5°41	n.a.	F 29
S 30	14 3 15	1♑41'31	20♑35	19♑26	19♓35	4♈ 2	19♌30	16♑45	17♑37	3♍21	9♑19	27♐44	29♐ 3	5♓47	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n34	23s49	0s 2	7n55	1n19	2s18	4n55	7s49	1s 0	16n31	1n38	23s15	0s26	23s10	0s32	11n46	1n39	30s28	7s 2	23s47	23s47	6s29		n.a.
S 2	1 57	22 9	1n 3	8 49	1 29	2 37	4 42	7 32	1 0	16 32	1 38	23 15	0 27	23 10	0 32	11 46	1 39	30 28	7 2	23 47	23 47	6 26		n.a.
S 3	2 20	19 31	2 3	9 41	1 38	2 54	4 28	7 14	1 0	16 33	1 38	23 15	0 27	23 10	0 32	11 47	1 39	30 28	7 3	23 47	23 47	6 23		n.a.
M 4	2 43	16 5	2 58	10 32	1 47	3 11	4 15	6 56	0 59	16 34	1 38	23 15	0 27	23 10	0 32	11 47	1 39	30 29	7 3	23 47	23 47	6 20		n.a.
T 5	3 6	12 3	3 44	11 20	1 55	3 27	4 1	6 38	0 59	16 35	1 37	23 14	0 27	23 10	0 32	11 48	1 39	30 29	7 3	23 47	23 47	6 17		n.a.
W 6	3 30	7 34	4 20	12 6	2 2	3 42	3 47	6 20	0 59	16 36	1 37	23 14	0 27	23 10	0 32	11 48	1 39	30 29	7 3	23 47	23 47	6 15		n.a.
T 7	3 53	2 49	4 46	12 50	2 9	3 56	3 34	6 2	0 59	16 36	1 37	23 14	0 27	23 10	0 32	11 48	1 39	30 29	7 4	23 47	23 47	6 12		n.a.
F 8	4 16	2n 4	4 59	13 31	2 15	4 8	3 21	5 44	0 58	16 37	1 37	23 14	0 27	23 9	0 32	11 49	1 39	30 30	7 4	23 47	23 47	6 9		n.a.
S 9	4 38	6 55	4 58	14 11	2 20	4 20	3 8	5 26	0 58	16 38	1 36	23 14	0 27	23 9	0 32	11 49	1 39	30 30	7 4	23 47	23 47	6 6		n.a.
S 10	5 1	11 33	4 45	14 47	2 25	4 31	2 55	5 8	0 58	16 38	1 36	23 13	0 28	23 9	0 32	11 50	1 39	30 30	7 5	23 47	23 47	6 3		n.a.
M11	5 24	15 46	4 17	15 22	2 28	4 41	2 42	4 50	0 57	16 39	1 36	23 13	0 28	23 9	0 32	11 50	1 38	30 30	7 5	23 46	23 47	6 1		n.a.
T 12	5 47	19 22	3 37	15 54	2 31	4 49	2 29	4 32	0 57	16 39	1 36	23 13	0 28	23 9	0 32	11 51	1 38	30 31	7 5	23 46	23 47	5 58		n.a.
W13	6 9	22 6	2 46	16 23	2 34	4 57	2 17	4 14	0 56	16 40	1 36	23 13	0 28	23 9	0 32	11 51	1 38	30 31	7 5	23 46	23 47	5 55		n.a.
T 14	6 32	23 45	1 45	16 50	2 35	5 3	2 5	3 56	0 56	16 40	1 35	23 13	0 28	23 9	0 32	11 51	1 38	30 31	7 6	23 46	23 47	5 52		n.a.
F 15	6 54	24 8	0 38	17 15	2 35	5 9	1 53	3 38	0 56	16 40	1 35	23 13	0 28	23 9	0 33	11 52	1 38	30 31	7 6	23 46	23 47	5 49		n.a.
S 16	7 16	23 9	0s33	17 37	2 35	5 13	1 42	3 20	0 55	16 41	1 35	23 13	0 28	23 9	0 33	11 52	1 38	30 32	7 6	23 46	23 47	5 47		n.a.
S 17	7 39	20 47	1 43	17 57	2 34	5 17	1 30	3 2	0 55	16 41	1 35	23 13	0 28	23 9	0 33	11 52	1 38	30 32	7 6	23 46	23 47	5 44		n.a.
M18	8 1	17 10	2 49	18 14	2 31	5 20	1 19	2 44	0 55	16 41	1 34	23 13	0 29	23 9	0 33	11 53	1 38	30 32	7 7	23 46	23 47	5 41		n.a.
T 19	8 22	12 28	3 46	18 29	2 28	5 21	1 8	2 26	0 54	16 41	1 34	23 12	0 29	23 9	0 33	11 53	1 38	30 32	7 7	23 46	23 47	5 38		n.a.
W20	8 44	7 0	4 30	18 42	2 24	5 22	0 58	2 8	0 54	16 41	1 34	23 12	0 29	23 9	0 33	11 53	1 38	30 33	7 7	23 46	23 47	5 35		n.a.
T 21	9 6	1 3	4 56	18 52	2 19	5 21	0 48	1 50	0 53	16 41	1 34	23 12	0 29	23 9	0 33	11 54	1 38	30 33	7 7	23 46	23 47	5 33		n.a.
F 22	9 27	4s59	5 3	19 0	2 13	5 20	0 38	1 31	0 53	16 41	1 34	23 12	0 29	23 9	0 33	11 54	1 38	30 33	7 8	23 46	23 47	5 30		n.a.
S 23	9 49	10 43	4 49	19 5	2 7	5 18	0 28	1 13	0 53	16 40	1 33	23 12	0 29	23 9	0 33	11 54	1 38	30 33	7 8	23 46	23 47	5 27		n.a.
S 24	10 10	15 47	4 16	19 9	1 59	5 15	0 19	0 55	0 52	16 40	1 33	23 12	0 29	23 9	0 33	11 55	1 38	30 34	7 8	23 46	23 47	5 24		n.a.
M25	10 31	19 49	3 28	19 10	1 50	5 11	0 10	0 37	0 52	16 40	1 33	23 12	0 30	23 9	0 33	11 55	1 38	30 34	7 8	23 46	23 47	5 22		n.a.
T 26	10 52	22 35	2 28	19 8	1 41	5 7	0 1	0 19	0 51	16 40	1 33	23 12	0 30	23 9	0 33	11 55	1 38	30 34	7 9	23 46	23 47	5 19		n.a.
W27	11 13	23 56	1 21	19 5	1 30	5 1	0s 8	0 1	0 51	16 39	1 32	23 12	0 30	23 9	0 33	11 55	1 38	30 35	7 9	23 46	23 47	5 16		n.a.
T 28	11 33	23 54	0 12	18 59	1 19	4 55	0 16	0n16	0 51	16 39	1 32	23 12	0 30	23 9	0 33	11 56	1 38	30 35	7 9	23 45	23 47	5 13		n.a.
F 29	11 54	22 35	0n56	18 52	1 7	4 48	0 24	0 34	0 50	16 38	1 32	23 13	0 30	23 9	0 33	11 56	1 38	30 35	7 9	23 45	23 47	5 10		n.a.
S 30	12n14	20s12	1n59	18n42	0n54	4s40	0s32	0n52	0s50	16n38	1n32	23s13	0s30	23s 9	0s33	11n56	1n38	30s35	7s10	23s46	23s46	5s 8		n.a.

Julian Day Number = 1469856.5, Delta T = 05h31m56s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'09, Lahiri = -13°28'08 Julian Calendar 1 Apr. 689 BCE == Greg. Calendar 25 March 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

MAY 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 7 12	2♉38'47	2♒43	19♉31	20♓13	4♈46	19♌32	16♑46	17°R37	3°R20	9°R18	27°R44	29♐ 0	5♓54	n.a.	S 1
M 2	14 11 8	3°36'03	14°40	19°R31	20°53	5°29	19°33	16°46	17♑37	3♍20	9♑18	27♐44	28°57	6° 1	n.a.	M 2
T 3	14 15 5	4°33'18	26°32	19°27	21°34	6°12	19°35	16°46	17°37	3°19	9°17	27°41	28°54	6° 8	n.a.	T 3
W 4	14 19 1	5°30'33	8♓23	19°18	22°15	6°56	19°37	16°R46	17°36	3°18	9°17	27°37	28°50	6°14	n.a.	W 4
T 5	14 22 58	6°27'47	20°18	19° 6	22°58	7°39	19°39	16°46	17°36	3°18	9°17	27°30	28°47	6°21	n.a.	T 5
F 6	14 26 54	7°25'00	2♈20	18°49	23°42	8°22	19°41	16°46	17°36	3°17	9°16	27°22	28°44	6°28	n.a.	F 6
S 7	14 30 51	8°22'13	14°31	18°29	24°26	9° 5	19°43	16°46	17°35	3°17	9°16	27°13	28°41	6°34	n.a.	S 7
S 8	14 34 47	9°19'26	26°53	18° 5	25°12	9°48	19°46	16°46	17°35	3°16	9°15	27° 4	28°38	6°41	n.a.	S 8
M 9	14 38 44	10°16'38	9♉28	17°38	25°58	10°31	19°49	16°45	17°35	3°16	9°14	26°56	28°34	6°48	n.a.	M 9
T 10	14 42 41	11°13'49	22°14	17° 9	26°45	11°14	19°51	16°45	17°34	3°16	9°14	26°50	28°31	6°55	n.a.	T 10
W11	14 46 37	12°11'00	5♊13	16°38	27°33	11°56	19°55	16°44	17°34	3°15	9°13	26°46	28°28	7° 1	n.a.	W11
T 12	14 50 34	13° 8'10	18°24	16° 5	28°21	12°39	19°58	16°44	17°33	3°15	9°13	26°44	28°25	7° 8	n.a.	T 12
F 13	14 54 30	14° 5'20	1♋47	15°32	29°11	13°22	20° 1	16°43	17°32	3°15	9°12	26°D44	28°22	7°15	n.a.	F 13
S 14	14 58 27	15° 2'28	15°22	14°58	0♈ 1	14° 4	20° 5	16°42	17°32	3°14	9°11	26°45	28°19	7°21	n.a.	S 14
S 15	15 2 23	15°59'37	29° 9	14°24	0°51	14°47	20° 8	16°41	17°31	3°14	9°11	26°46	28°15	7°28	n.a.	S 15
M16	15 6 20	16°56'44	13♌ 8	13°50	1°42	15°29	20°12	16°40	17°30	3°14	9°10	26°R47	28°12	7°35	n.a.	M16
T 17	15 10 16	17°53'51	27°18	13°19	2°34	16°12	20°16	16°39	17°29	3°14	9° 9	26°47	28° 9	7°42	n.a.	T 17
W18	15 14 13	18°50'57	11♍37	12°49	3°27	16°54	20°21	16°37	17°29	3°14	9° 9	26°45	28° 6	7°48	n.a.	W18
T 19	15 18 10	19°48'02	26° 4	12°21	4°20	17°36	20°25	16°36	17°28	3°13	9° 8	26°42	28° 3	7°55	n.a.	T 19
F 20	15 22 6	20°45'07	10♎32	11°56	5°13	18°19	20°29	16°34	17°27	3°13	9° 7	26°37	28° 0	8° 2	n.a.	F 20
S 21	15 26 3	21°42'12	24°58	11°35	6° 7	19° 1	20°34	16°33	17°26	3°13	9° 6	26°32	27°56	8° 8	n.a.	S 21
S 22	15 29 59	22°39'16	9♏14	11°17	7° 2	19°43	20°39	16°31	17°25	3°D13	9° 5	26°27	27°53	8°15	n.a.	S 22
M23	15 33 56	23°36'20	23°17	11° 3	7°57	20°25	20°44	16°30	17°24	3°13	9° 5	26°23	27°50	8°22	n.a.	M23
T 24	15 37 52	24°33'24	7♐ 1	10°53	8°53	21° 7	20°49	16°28	17°23	3°13	9° 4	26°20	27°47	8°29	n.a.	T 24
W25	15 41 49	25°30'28	20°25	10°48	9°49	21°49	20°54	16°26	17°21	3°13	9° 3	26°D19	27°44	8°35	n.a.	W25
T 26	15 45 46	26°27'32	3♑27	10°D48	10°45	22°31	21° 0	16°24	17°20	3°14	9° 2	26°19	27°40	8°42	n.a.	T 26
F 27	15 49 42	27°24'37	16° 8	10°52	11°42	23°12	21° 5	16°22	17°19	3°14	9° 1	26°20	27°37	8°49	n.a.	F 27
S 28	15 53 39	28°21'41	28°32	11° 1	12°40	23°54	21°11	16°19	17°18	3°14	9° 0	26°21	27°34	8°55	n.a.	S 28
S 29	15 57 35	29°18'46	10♒41	11°15	13°38	24°36	21°17	16°17	17°16	3°14	8°59	26°23	27°31	9° 2	n.a.	S 29
M30	16 1 32	0♊15'51	22°40	11°34	14°36	25°17	21°23	16°15	17°15	3°14	8°58	26°24	27°28	9° 9	n.a.	M30
T 31	16 5 28	1♊12'56	4♓34	11♉59	15♈35	25♈59	21♌29	16♑12	17♑14	3♍15	8♑57	26°R24	27♐25	9♓16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	12n34	16s58	2n56	18n30	0n40	4s32	0s39	1n10	0s49	16n37	1n31	23s13	0s30	23s 9	0s33	11n56	1n38	30s36	7s10	23s46	23s46	5s 5			n.a.
M 2	12 54	13 5	3 44	18 16	0 25	4 23	0 47	1 28	0 49	16 36	1 31	23 13	0 30	23 9	0 33	11 57	1 38	30 36	7 10	23 46	23 46	5 2			n.a.
T 3	13 13	8 44	4 23	18 0	0 10	4 13	0 54	1 46	0 48	16 35	1 31	23 13	0 31	23 9	0 33	11 57	1 38	30 36	7 10	23 45	23 46	4 59			n.a.
W 4	13 33	4 4	4 50	17 43	0s 6	4 2	1 0	2 3	0 48	16 35	1 31	23 13	0 31	23 9	0 33	11 57	1 38	30 36	7 11	23 45	23 46	4 56			n.a.
T 5	13 52	0n45	5 4	17 24	0 22	3 51	1 7	2 21	0 47	16 34	1 30	23 13	0 31	23 9	0 33	11 57	1 38	30 37	7 11	23 45	23 46	4 54			n.a.
F 6	14 11	5 36	5 5	17 3	0 38	3 39	1 13	2 39	0 47	16 33	1 30	23 13	0 31	23 9	0 33	11 57	1 38	30 37	7 11	23 45	23 46	4 51			n.a.
S 7	14 30	10 17	4 53	16 41	0 55	3 27	1 19	2 56	0 46	16 32	1 30	23 13	0 31	23 9	0 33	11 57	1 38	30 37	7 11	23 45	23 46	4 48			n.a.
S 8	14 48	14 38	4 26	16 18	1 12	3 14	1 25	3 14	0 46	16 31	1 30	23 14	0 31	23 9	0 33	11 58	1 38	30 38	7 12	23 45	23 46	4 45			n.a.
M 9	15 7	18 25	3 47	15 55	1 29	3 0	1 31	3 31	0 45	16 30	1 29	23 14	0 31	23 9	0 33	11 58	1 37	30 38	7 12	23 45	23 46	4 42			n.a.
T 10	15 25	21 24	2 55	15 31	1 46	2 46	1 36	3 49	0 45	16 29	1 29	23 14	0 32	23 9	0 33	11 58	1 37	30 38	7 12	23 44	23 46	4 40			n.a.
W11	15 43	23 20	1 54	15 6	2 2	2 32	1 41	4 6	0 44	16 27	1 29	23 14	0 32	23 10	0 33	11 58	1 37	30 38	7 12	23 44	23 46	4 37			n.a.
T 12	16 0	24 1	0 45	14 41	2 18	2 17	1 46	4 24	0 44	16 26	1 29	23 14	0 32	23 10	0 33	11 58	1 37	30 39	7 13	23 44	23 46	4 34			n.a.
F 13	16 18	23 19	0s27	14 17	2 33	2 1	1 51	4 41	0 43	16 25	1 29	23 15	0 32	23 10	0 33	11 58	1 37	30 39	7 13	23 44	23 46	4 31			n.a.
S 14	16 35	21 14	1 39	13 53	2 48	1 45	1 55	4 58	0 43	16 23	1 28	23 15	0 32	23 10	0 33	11 58	1 37	30 39	7 13	23 44	23 46	4 28			n.a.
S 15	16 51	17 54	2 47	13 30	3 1	1 29	2 0	5 15	0 42	16 22	1 28	23 15	0 32	23 10	0 34	11 58	1 37	30 40	7 13	23 44	23 46	4 26			n.a.
M16	17 8	13 31	3 45	13 8	3 14	1 12	2 4	5 32	0 42	16 20	1 28	23 16	0 32	23 10	0 34	11 58	1 37	30 40	7 14	23 44	23 46	4 23			n.a.
T 17	17 24	8 21	4 31	12 48	3 25	0 55	2 8	5 49	0 41	16 19	1 28	23 16	0 33	23 10	0 34	11 58	1 37	30 40	7 14	23 44	23 46	4 20			n.a.
W18	17 40	2 41	5 0	12 29	3 36	0 37	2 11	6 6	0 41	16 17	1 27	23 16	0 33	23 10	0 34	11 58	1 37	30 40	7 14	23 44	23 46	4 17			n.a.
T 19	17 56	3s 9	5 11	12 12	3 45	0 19	2 15	6 23	0 40	16 16	1 27	23 16	0 33	23 11	0 34	11 58	1 37	30 41	7 14	23 44	23 46	4 14			n.a.
F 20	18 12	8 50	5 2	11 57	3 52	0 0	2 18	6 40	0 40	16 14	1 27	23 17	0 33	23 11	0 34	11 58	1 37	30 41	7 15	23 44	23 46	4 12			n.a.
S 21	18 27	14 1	4 34	11 44	3 59	0n18	2 21	6 57	0 39	16 12	1 27	23 17	0 33	23 11	0 34	11 58	1 37	30 41	7 15	23 44	23 46	4 9			n.a.
S 22	18 42	18 23	3 49	11 34	4 4	0 38	2 24	7 13	0 39	16 11	1 26	23 17	0 33	23 11	0 34	11 58	1 37	30 42	7 15	23 44	23 46	4 6			n.a.
M23	18 56	21 36	2 50	11 26	4 7	0 57	2 27	7 30	0 38	16 9	1 26	23 18	0 33	23 11	0 34	11 58	1 37	30 42	7 15	23 44	23 46	4 3			n.a.
T 24	19 11	23 29	1 43	11 21	4 9	1 17	2 30	7 46	0 38	16 7	1 26	23 18	0 34	23 11	0 34	11 58	1 37	30 42	7 15	23 44	23 46	4 1			n.a.
W25	19 25	23 58	0 32	11 19	4 10	1 37	2 32	8 3	0 37	16 5	1 26	23 18	0 34	23 12	0 34	11 58	1 37	30 42	7 16	23 44	23 45	3 58			n.a.
T 26	19 38	23 5	0n39	11 19	4 10	1 57	2 34	8 19	0 36	16 3	1 26	23 19	0 34	23 12	0 34	11 58	1 37	30 43	7 16	23 44	23 45	3 55			n.a.
F 27	19 52	21 2	1 46	11 22	4 8	2 18	2 36	8 35	0 36	16 1	1 25	23 19	0 34	23 12	0 34	11 58	1 37	30 43	7 16	23 44	23 45	3 52			n.a.
S 28	20 5	18 1	2 47	11 27	4 6	2 39	2 38	8 51	0 35	15 59	1 25	23 20	0 34	23 12	0 34	11 58	1 37	30 43	7 16	23 44	23 45	3 49			n.a.
S 29	20 17	14 17	3 40	11 35	4 2	3 0	2 40	9 7	0 35	15 57	1 25	23 20	0 34	23 12	0 34	11 58	1 37	30 43	7 16	23 44	23 45	3 47			n.a.
M30	20 30	10 2	4 21	11 46	3 57	3 21	2 42	9 23	0 34	15 54	1 25	23 21	0 34	23 13	0 34	11 57	1 37	30 44	7 17	23 44	23 45	3 44			n.a.
T 31	20n42	5s27	4n52	11n59	3s51	3n43	2s43	9n39	0s34	15n52	1n24	23s21	0s34	23s13	0s34	11n57	1n36	30s44	7s17	23s44	23s45	3s41			n.a.

Julian Day Number = 1469886.5, Delta T = 05h31m55s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'05, Lahiri = -13°28'04 Julian Calendar 1 May 689 BCE == Greg. Calendar 24 Apr. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

JUNE 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 9 25	2♊10'02	16♓27	12♉28	16♈33	26♈41	21♌35	16°R10	17°R12	3♍15	8°R56	26°R23	27♐21	9♓22	n.a.	W 1
T 2	16 13 21	3° 7'08	28°24	13° 2	17°33	27°22	21°42	16♑ 7	17♑11	3°15	8♑55	26♐22	27°18	9°29	n.a.	T 2
F 3	16 17 18	4° 4'15	10♈29	13°41	18°33	28° 3	21°48	16° 5	17° 9	3°16	8°54	26°19	27°15	9°36	n.a.	F 3
S 4	16 21 15	5° 1'22	22°46	14°24	19°33	28°45	21°55	16° 2	17° 8	3°16	8°53	26°16	27°12	9°42	n.a.	S 4
S 5	16 25 11	5°58'29	5♉17	15°13	20°33	29°26	22° 2	15°59	17° 6	3°16	8°52	26°13	27° 9	9°49	n.a.	S 5
M 6	16 29 8	6°55'37	18° 4	16° 6	21°34	0♉ 7	22° 9	15°56	17° 4	3°17	8°51	26°10	27° 6	9°56	n.a.	M 6
T 7	16 33 4	7°52'46	1♊ 8	17° 4	22°35	0°48	22°16	15°53	17° 3	3°17	8°50	26° 8	27° 2	10° 3	n.a.	T 7
W 8	16 37 1	8°49'55	14°28	18° 7	23°36	1°29	22°23	15°50	17° 1	3°18	8°48	26° 7	26°59	10° 9	n.a.	W 8
T 9	16 40 57	9°47'05	28° 3	19°14	24°38	2°10	22°31	15°47	16°59	3°18	8°47	26°D 6	26°56	10°16	n.a.	T 9
F 10	16 44 54	10°44'15	11♋51	20°26	25°39	2°51	22°38	15°44	16°58	3°19	8°46	26° 7	26°53	10°23	n.a.	F 10
S 11	16 48 51	11°41'25	25°49	21°42	26°42	3°32	22°46	15°40	16°56	3°20	8°45	26° 8	26°50	10°29	n.a.	S 11
S 12	16 52 47	12°38'35	9♌55	23° 3	27°44	4°13	22°54	15°37	16°54	3°20	8°44	26° 9	26°46	10°36	n.a.	S 12
M13	16 56 44	13°35'46	24° 7	24°27	28°47	4°54	23° 1	15°33	16°52	3°21	8°43	26°10	26°43	10°43	n.a.	M13
T 14	17 0 40	14°32'57	8♍21	25°56	29°50	5°34	23° 9	15°30	16°50	3°22	8°41	26°R10	26°40	10°50	n.a.	T 14
W15	17 4 37	15°30'08	22°35	27°29	0♉53	6°15	23°18	15°26	16°48	3°22	8°40	26°10	26°37	10°56	n.a.	W15
T 16	17 8 33	16°27'20	6♎47	29° 6	1°56	6°55	23°26	15°23	16°46	3°23	8°39	26°10	26°34	11° 3	n.a.	T 16
F 17	17 12 30	17°24'32	20°54	0♊47	3° 0	7°36	23°34	15°19	16°44	3°24	8°38	26° 9	26°31	11°10	n.a.	F 17
S 18	17 16 26	18°21'44	4♏53	2°31	4° 4	8°16	23°43	15°15	16°42	3°25	8°36	26° 8	26°27	11°16	n.a.	S 18
S 19	17 20 23	19°18'57	18°42	4°19	5° 8	8°57	23°51	15°12	16°40	3°26	8°35	26° 7	26°24	11°23	n.a.	S 19
M20	17 24 20	20°16'11	2♐18	6° 9	6°12	9°37	24° 0	15° 8	16°38	3°27	8°34	26° 6	26°21	11°30	n.a.	M20
T 21	17 28 16	21°13'26	15°40	8° 3	7°16	10°17	24° 9	15° 4	16°36	3°28	8°33	26° 6	26°18	11°37	n.a.	T 21
W22	17 32 13	22°10'41	28°46	9°59	8°21	10°57	24°17	15° 0	16°34	3°29	8°31	26°D 6	26°15	11°43	n.a.	W22
T 23	17 36 9	23° 7'57	11♑35	11°58	9°26	11°37	24°26	14°56	16°32	3°30	8°30	26° 6	26°12	11°50	n.a.	T 23
F 24	17 40 6	24° 5'14	24° 9	13°58	10°31	12°17	24°36	14°52	16°30	3°31	8°29	26° 6	26° 8	11°57	n.a.	F 24
S 25	17 44 2	25° 2'33	6♒29	16° 0	11°37	12°57	24°45	14°48	16°28	3°32	8°27	26° 6	26° 5	12° 4	n.a.	S 25
S 26	17 47 59	25°59'52	18°37	18° 3	12°42	13°37	24°54	14°44	16°25	3°33	8°26	26°R 7	26° 2	12°10	n.a.	S 26
M27	17 51 55	26°57'13	0♓36	20° 8	13°48	14°17	25° 3	14°39	16°23	3°34	8°25	26° 7	25°59	12°17	n.a.	M27
T 28	17 55 52	27°54'35	12°30	22°13	14°54	14°57	25°13	14°35	16°21	3°35	8°23	26° 6	25°56	12°24	n.a.	T 28
W29	17 59 49	28°51'58	24°23	24°18	16° 0	15°36	25°23	14°31	16°19	3°36	8°22	26°D 6	25°52	12°30	n.a.	W29
T 30	18 3 45	29♊49'22	6♈20	26♊23	17♉ 6	16♉16	25♌32	14♑27	16♑17	3♍37	8♑21	26♐ 6	25♐49	12♓37	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n53	0s41	5n 9	12n14	3s44	4n 4	2s44	9n55	0s33	15n50	1n24	23s21	0s35	23s13	0s34	11n57	1n36	30s44	7s17	23s44	23s45	3s38		n.a.
T 2	21 5	4n 8	5 14	12 32	3 37	4 26	2 45	10 11	0 32	15 48	1 24	23 22	0 35	23 13	0 34	11 57	1 36	30 44	7 17	23 44	23 45	3 35		n.a.
F 3	21 16	8 52	5 5	12 51	3 28	4 48	2 46	10 26	0 32	15 45	1 24	23 22	0 35	23 13	0 34	11 57	1 36	30 45	7 17	23 44	23 45	3 33		n.a.
S 4	21 26	13 19	4 41	13 13	3 19	5 10	2 47	10 42	0 31	15 43	1 24	23 23	0 35	23 14	0 34	11 57	1 36	30 45	7 18	23 43	23 45	3 30		n.a.
S 5	21 37	17 18	4 4	13 36	3 10	5 33	2 48	10 57	0 31	15 40	1 23	23 23	0 35	23 14	0 34	11 56	1 36	30 45	7 18	23 43	23 45	3 27		n.a.
M 6	21 46	20 34	3 14	14 2	2 59	5 55	2 49	11 12	0 30	15 38	1 23	23 24	0 35	23 14	0 34	11 56	1 36	30 46	7 18	23 43	23 45	3 24		n.a.
T 7	21 56	22 51	2 13	14 29	2 48	6 18	2 49	11 27	0 29	15 35	1 23	23 24	0 35	23 14	0 34	11 56	1 36	30 46	7 18	23 43	23 45	3 22		n.a.
W 8	22 5	23 55	1 4	14 57	2 37	6 40	2 49	11 43	0 29	15 33	1 23	23 25	0 36	23 15	0 34	11 56	1 36	30 46	7 18	23 43	23 45	3 19		n.a.
T 9	22 14	23 35	0s11	15 27	2 25	7 3	2 50	11 57	0 28	15 30	1 23	23 25	0 36	23 15	0 34	11 55	1 36	30 46	7 18	23 43	23 45	3 16		n.a.
F 10	22 22	21 49	1 26	15 58	2 13	7 26	2 50	12 12	0 27	15 28	1 22	23 26	0 36	23 15	0 34	11 55	1 36	30 47	7 19	23 43	23 44	3 13		n.a.
S 11	22 30	18 43	2 37	16 30	2 1	7 48	2 50	12 27	0 27	15 25	1 22	23 26	0 36	23 15	0 34	11 55	1 36	30 47	7 19	23 43	23 44	3 10		n.a.
S 12	22 38	14 30	3 39	17 3	1 48	8 11	2 49	12 42	0 26	15 22	1 22	23 27	0 36	23 16	0 34	11 55	1 36	30 47	7 19	23 43	23 44	3 8		n.a.
M13	22 45	9 27	4 28	17 37	1 35	8 34	2 49	12 56	0 26	15 19	1 22	23 27	0 36	23 16	0 34	11 54	1 36	30 47	7 19	23 43	23 44	3 5		n.a.
T 14	22 52	3 54	5 1	18 11	1 22	8 57	2 49	13 10	0 25	15 16	1 22	23 28	0 36	23 16	0 34	11 54	1 36	30 48	7 19	23 43	23 44	3 2		n.a.
W15	22 59	1s50	5 16	18 45	1 9	9 19	2 48	13 25	0 24	15 14	1 21	23 28	0 36	23 16	0 34	11 54	1 36	30 48	7 19	23 43	23 44	2 59		n.a.
T 16	23 5	7 29	5 11	19 20	0 56	9 42	2 47	13 39	0 24	15 11	1 21	23 29	0 37	23 17	0 34	11 53	1 36	30 48	7 20	23 43	23 44	2 57		n.a.
F 17	23 10	12 42	4 47	19 54	0 43	10 5	2 46	13 53	0 23	15 8	1 21	23 29	0 37	23 17	0 34	11 53	1 36	30 48	7 20	23 43	23 44	2 54		n.a.
S 18	23 16	17 12	4 7	20 27	0 31	10 27	2 46	14 7	0 22	15 5	1 21	23 30	0 37	23 17	0 34	11 53	1 36	30 48	7 20	23 43	23 44	2 51		n.a.
S 19	23 20	20 43	3 13	21 0	0 18	10 50	2 45	14 20	0 22	15 2	1 21	23 31	0 37	23 17	0 34	11 52	1 36	30 49	7 20	23 43	23 44	2 48		n.a.
M20	23 25	23 0	2 8	21 33	0 6	11 12	2 43	14 34	0 21	14 58	1 21	23 31	0 37	23 18	0 34	11 52	1 36	30 49	7 20	23 43	23 44	2 45		n.a.
T 21	23 29	23 57	0 58	22 3	0n 6	11 35	2 42	14 47	0 20	14 55	1 20	23 32	0 37	23 18	0 35	11 52	1 36	30 49	7 20	23 43	23 44	2 43		n.a.
W22	23 33	23 32	0n15	22 33	0 17	11 57	2 41	15 1	0 20	14 52	1 20	23 32	0 37	23 18	0 35	11 51	1 35	30 49	7 20	23 43	23 43	2 40		n.a.
T 23	23 36	21 51	1 25	23 0	0 28	12 19	2 40	15 14	0 19	14 49	1 20	23 33	0 37	23 19	0 35	11 51	1 35	30 50	7 21	23 43	23 43	2 37		n.a.
F 24	23 39	19 8	2 29	23 26	0 38	12 41	2 38	15 27	0 18	14 46	1 20	23 33	0 38	23 19	0 35	11 50	1 35	30 50	7 21	23 43	23 43	2 34		n.a.
S 25	23 41	15 36	3 26	23 50	0 48	13 3	2 36	15 40	0 18	14 42	1 20	23 34	0 38	23 19	0 35	11 50	1 35	30 50	7 21	23 43	23 43	2 32		n.a.
S 26	23 43	11 28	4 12	24 11	0 57	13 25	2 35	15 53	0 17	14 39	1 20	23 35	0 38	23 19	0 35	11 50	1 35	30 50	7 21	23 43	23 43	2 29		n.a.
M27	23 45	6 58	4 46	24 30	1 5	13 46	2 33	16 5	0 16	14 36	1 19	23 35	0 38	23 20	0 35	11 49	1 35	30 50	7 21	23 43	23 43	2 26		n.a.
T 28	23 46	2 14	5 8	24 46	1 13	14 8	2 31	16 18	0 16	14 32	1 19	23 36	0 38	23 20	0 35	11 49	1 35	30 51	7 21	23 43	23 43	2 23		n.a.
W29	23 46	2n34	5 17	24 59	1 20	14 29	2 29	16 30	0 15	14 29	1 19	23 36	0 38	23 20	0 35	11 48	1 35	30 51	7 21	23 43	23 43	2 21		n.a.
T 30	23n47	7n18	5n12	25n10	1n26	14n50	2s27	16n43	0s14	14n25	1n19	23s37	0s38	23s21	0s35	11n48	1n35	30s51	7s21	23s43	23s43	2s18		n.a.

Julian Day Number = 1469917.5, Delta T = 05h31m53s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°35'00, Lahiri = -13°28'00 Julian Calendar 1 June 689 BCE == Greg. Calendar 25 May 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

JULY 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 7 42	0♋46'48	18♈25	28♊28	18♉13	16♉55	25♌42	14°R22	16°R14	3♍38	8°R19	26♐ 7	25♐46	12♓44	n.a.	F 1
S 2	18 11 38	1°44'15	0♉43	0♋33	19°19	17°35	25°52	14♏18	16♏12	3°40	8♏18	26° 7	25°43	12°51	n.a.	S 2
S 3	18 15 35	2°41'44	13°18	2°37	20°26	18°14	26° 2	14°14	16°10	3°41	8°17	26° 8	25°40	12°57	n.a.	S 3
M 4	18 19 31	3°39'14	26°12	4°40	21°33	18°54	26°12	14° 9	16° 7	3°42	8°15	26° 8	25°37	13° 4	n.a.	M 4
T 5	18 23 28	4°36'46	9♊27	6°42	22°40	19°33	26°22	14° 5	16° 5	3°44	8°14	26° 9	25°33	13°11	n.a.	T 5
W 6	18 27 24	5°34'19	23° 4	8°43	23°47	20°12	26°32	14° 0	16° 3	3°45	8°13	26°R 9	25°30	13°17	n.a.	W 6
T 7	18 31 21	6°31'54	7♋ 1	10°43	24°55	20°51	26°43	13°56	16° 0	3°46	8°11	26° 9	25°27	13°24	n.a.	T 7
F 8	18 35 18	7°29'30	21°15	12°42	26° 2	21°30	26°53	13°51	15°58	3°48	8°10	26° 8	25°24	13°31	n.a.	F 8
S 9	18 39 14	8°27'07	5♌41	14°39	27°10	22° 9	27° 4	13°47	15°56	3°49	8° 9	26° 7	25°21	13°38	n.a.	S 9
S 10	18 43 11	9°24'45	20°14	16°35	28°18	22°48	27°14	13°42	15°53	3°51	8° 7	26° 6	25°18	13°44	n.a.	S 10
M11	18 47 7	10°22'24	4♍48	18°30	29°26	23°27	27°25	13°38	15°51	3°52	8° 6	26° 4	25°14	13°51	n.a.	M11
T 12	18 51 4	11°20'05	19°16	20°23	0♊34	24° 6	27°36	13°33	15°49	3°54	8° 4	26° 3	25°11	13°58	n.a.	T 12
W13	18 55 0	12°17'47	3♎36	22°15	1°42	24°45	27°46	13°29	15°46	3°55	8° 3	26° 2	25° 8	14° 5	n.a.	W13
T 14	18 58 57	13°15'29	17°43	24° 5	2°51	25°23	27°57	13°24	15°44	3°57	8° 2	26°D 2	25° 5	14°11	n.a.	T 14
F 15	19 2 53	14°13'14	1♏37	25°54	3°59	26° 2	28° 8	13°20	15°41	3°58	8° 0	26° 2	25° 2	14°18	n.a.	F 15
S 16	19 6 50	15°10'59	15°17	27°42	5° 8	26°40	28°19	13°15	15°39	4° 0	7°59	26° 3	24°58	14°25	n.a.	S 16
S 17	19 10 47	16° 8'46	28°42	29°28	6°17	27°19	28°30	13°11	15°37	4° 1	7°58	26° 5	24°55	14°31	n.a.	S 17
M18	19 14 43	17° 6'34	11♐53	1♌13	7°26	27°57	28°42	13° 6	15°34	4° 3	7°56	26° 6	24°52	14°38	n.a.	M18
T 19	19 18 40	18° 4'24	24°51	2°56	8°35	28°35	28°53	13° 2	15°32	4° 5	7°55	26°R 7	24°49	14°45	n.a.	T 19
W20	19 22 36	19° 2'15	7♑36	4°38	9°44	29°13	29° 4	12°57	15°29	4° 6	7°54	26° 6	24°46	14°52	n.a.	W20
T 21	19 26 33	20° 0'07	20°10	6°19	10°53	29°52	29°16	12°53	15°27	4° 8	7°52	26° 5	24°43	14°58	n.a.	T 21
F 22	19 30 29	20°58'02	2♒32	7°58	12° 3	0♊30	29°27	12°48	15°25	4°10	7°51	26° 2	24°39	15° 5	n.a.	F 22
S 23	19 34 26	21°55'58	14°44	9°36	13°12	1° 8	29°39	12°44	15°22	4°12	7°50	25°58	24°36	15°12	n.a.	S 23
S 24	19 38 23	22°53'56	26°47	11°12	14°22	1°45	29°50	12°39	15°20	4°13	7°48	25°53	24°33	15°18	n.a.	S 24
M25	19 42 19	23°51'55	8♓44	12°48	15°32	2°23	0♍ 2	12°35	15°17	4°15	7°47	25°49	24°30	15°25	n.a.	M25
T 26	19 46 16	24°49'57	20°37	14°22	16°41	3° 1	0°14	12°30	15°15	4°17	7°46	25°44	24°27	15°32	n.a.	T 26
W27	19 50 12	25°48'01	2♈29	15°54	17°51	3°39	0°25	12°26	15°13	4°19	7°45	25°41	24°24	15°39	n.a.	W27
T 28	19 54 9	26°46'06	14°24	17°26	19° 2	4°16	0°37	12°22	15°10	4°21	7°43	25°39	24°20	15°45	n.a.	T 28
F 29	19 58 5	27°44'14	26°27	18°56	20°12	4°54	0°49	12°17	15° 8	4°23	7°42	25°D38	24°17	15°52	n.a.	F 29
S 30	20 2 2	28°42'24	8♉42	20°25	21°22	5°31	1° 1	12°13	15° 6	4°24	7°41	25°39	24°14	15°59	n.a.	S 30
S 31	20 5 58	29♋40'36	21♉15	21♌52	22♊33	6♊ 9	1♍13	12♑ 9	15♑ 3	4♍26	7♑40	25♐40	24♐11	16♓ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n47	11n49	4n53	25n17	1n31	15n10	2s25	16n55	0s14	14n22	1n19	23s38	0s38	23s21	0s35	11n47	1n35	30s51	7s21	23s43	23s43	2s15		n.a.
S 2	23 46	15 57	4 21	25 23	1 36	15 31	2 23	17 7	0 13	14 18	1 19	23 38	0 38	23 21	0 35	11 47	1 35	30 51	7 21	23 43	23 42	2 12		n.a.
S 3	23 45	19 28	3 36	25 25	1 40	15 51	2 21	17 19	0 12	14 15	1 18	23 39	0 39	23 21	0 35	11 46	1 35	30 52	7 22	23 43	23 42	2 9		n.a.
M 4	23 44	22 8	2 38	25 24	1 43	16 11	2 18	17 30	0 11	14 11	1 18	23 39	0 39	23 22	0 35	11 46	1 35	30 52	7 22	23 43	23 42	2 7		n.a.
T 5	23 42	23 41	1 31	25 21	1 45	16 31	2 16	17 42	0 11	14 8	1 18	23 40	0 39	23 22	0 35	11 45	1 35	30 52	7 22	23 43	23 42	2 4		n.a.
W 6	23 40	23 53	0 17	25 16	1 47	16 50	2 13	17 53	0 10	14 4	1 18	23 40	0 39	23 22	0 35	11 45	1 35	30 52	7 22	23 43	23 42	2 1		n.a.
T 7	23 37	22 36	1s 0	25 8	1 48	17 9	2 11	18 4	0 9	14 0	1 18	23 41	0 39	23 23	0 35	11 44	1 35	30 52	7 22	23 43	23 42	1 58		n.a.
F 8	23 34	19 52	2 14	24 58	1 48	17 28	2 8	18 16	0 8	13 56	1 18	23 42	0 39	23 23	0 35	11 44	1 35	30 52	7 22	23 43	23 42	1 56		n.a.
S 9	23 30	15 52	3 22	24 45	1 48	17 46	2 6	18 26	0 8	13 53	1 18	23 42	0 39	23 23	0 35	11 43	1 35	30 53	7 22	23 43	23 42	1 53		n.a.
S 10	23 26	10 54	4 16	24 30	1 47	18 4	2 3	18 37	0 7	13 49	1 18	23 43	0 39	23 24	0 35	11 42	1 35	30 53	7 22	23 43	23 42	1 50		n.a.
M11	23 22	5 20	4 54	24 14	1 46	18 22	2 0	18 48	0 6	13 45	1 17	23 43	0 39	23 24	0 35	11 42	1 35	30 53	7 22	23 43	23 41	1 47		n.a.
T 12	23 17	0s29	5 13	23 55	1 44	18 39	1 57	18 58	0 6	13 41	1 17	23 44	0 39	23 24	0 35	11 41	1 35	30 53	7 22	23 43	23 41	1 45		n.a.
W13	23 12	6 13	5 13	23 35	1 42	18 56	1 54	19 9	0 5	13 37	1 17	23 44	0 40	23 24	0 35	11 41	1 35	30 53	7 22	23 43	23 41	1 42		n.a.
T 14	23 6	11 33	4 53	23 13	1 39	19 12	1 52	19 19	0 4	13 33	1 17	23 45	0 40	23 25	0 35	11 40	1 35	30 53	7 22	23 43	23 41	1 39		n.a.
F 15	23 0	16 12	4 17	22 50	1 35	19 28	1 49	19 29	0 3	13 29	1 17	23 46	0 40	23 25	0 35	11 39	1 35	30 53	7 22	23 43	23 41	1 36		n.a.
S 16	22 54	19 56	3 26	22 25	1 32	19 44	1 46	19 39	0 2	13 25	1 17	23 46	0 40	23 25	0 35	11 39	1 35	30 54	7 22	23 43	23 41	1 34		n.a.
S 17	22 47	22 31	2 25	21 58	1 27	19 59	1 43	19 48	0 2	13 21	1 17	23 47	0 40	23 26	0 35	11 38	1 35	30 54	7 23	23 43	23 41	1 31		n.a.
M18	22 40	23 49	1 18	21 31	1 23	20 13	1 40	19 58	0 1	13 17	1 17	23 47	0 40	23 26	0 35	11 38	1 35	30 54	7 23	23 43	23 41	1 28		n.a.
T 19	22 32	23 47	0 7	21 3	1 18	20 28	1 36	20 7	0 0	13 13	1 16	23 48	0 40	23 26	0 35	11 37	1 35	30 54	7 23	23 43	23 40	1 25		n.a.
W20	22 24	22 31	1n 3	20 33	1 13	20 41	1 33	20 17	0n 1	13 9	1 16	23 48	0 40	23 26	0 35	11 36	1 34	30 54	7 23	23 43	23 40	1 23		n.a.
T 21	22 16	20 7	2 8	20 2	1 7	20 54	1 30	20 26	0 1	13 5	1 16	23 49	0 40	23 27	0 35	11 36	1 34	30 54	7 23	23 43	23 40	1 20		n.a.
F 22	22 7	16 51	3 7	19 31	1 1	21 7	1 27	20 35	0 2	13 1	1 16	23 49	0 40	23 27	0 35	11 35	1 34	30 54	7 23	23 43	23 40	1 17		n.a.
S 23	21 58	12 53	3 56	18 59	0 55	21 19	1 24	20 43	0 3	12 56	1 16	23 50	0 40	23 27	0 35	11 34	1 34	30 54	7 23	23 43	23 40	1 14		n.a.
S 24	21 48	8 29	4 33	18 26	0 48	21 31	1 20	20 52	0 4	12 52	1 16	23 50	0 41	23 28	0 35	11 34	1 34	30 54	7 23	23 43	23 40	1 12		n.a.
M25	21 38	3 48	4 59	17 52	0 42	21 42	1 17	21 0	0 5	12 48	1 16	23 51	0 41	23 28	0 35	11 33	1 34	30 55	7 23	23 43	23 40	1 9		n.a.
T 26	21 28	0n59	5 11	17 18	0 35	21 53	1 14	21 9	0 5	12 44	1 16	23 51	0 41	23 28	0 35	11 32	1 34	30 55	7 23	23 42	23 40	1 6		n.a.
W27	21 17	5 44	5 10	16 44	0 28	22 3	1 10	21 17	0 6	12 39	1 16	23 52	0 41	23 28	0 35	11 31	1 34	30 55	7 23	23 42	23 39	1 3		n.a.
T 28	21 6	10 17	4 56	16 9	0 20	22 12	1 7	21 25	0 7	12 35	1 15	23 52	0 41	23 29	0 35	11 31	1 34	30 55	7 23	23 42	23 39	1 1		n.a.
F 29	20 54	14 30	4 29	15 34	0 13	22 21	1 4	21 32	0 8	12 31	1 15	23 53	0 41	23 29	0 35	11 30	1 34	30 55	7 23	23 42	23 39	0 58		n.a.
S 30	20 43	18 12	3 49	14 58	0 5	22 29	1 0	21 40	0 9	12 26	1 15	23 53	0 41	23 29	0 35	11 29	1 34	30 55	7 23	23 42	23 39	0 55		n.a.
S 31	20n30	21n10	2n57	14n22	0s 3	22n37	0s57	21n48	0n 9	12n22	1n15	23s54	0s41	23s29	0s35	11n29	1n34	30s55	7s23	23s42	23s39	0s52		n.a.

Julian Day Number = 1469947.5, Delta T = 05h31m51s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'56, Lahiri = -13°27'56 Julian Calendar 1 July 689 BCE == Greg. Calendar 24 June 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

AUGUST 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 9 55	0♌38'51	4♊ 8	23♌18	23♊43	6♊46	1♍25	12°R 5	15°R 1	4♍28	7°R38	25♐41	24♐ 8	16♓12	n.a.	M 1
T 2	20 13 51	1°37'07	17°26	24°43	24°54	7°23	1°37	12♑ 0	14♑59	4°30	7♑37	25°43	24° 4	16°19	n.a.	T 2
W 3	20 17 48	2°35'26	1♋10	26° 6	26° 5	8° 0	1°49	11°56	14°57	4°32	7°36	25°R43	24° 1	16°26	n.a.	W 3
T 4	20 21 45	3°33'46	15°20	27°28	27°16	8°37	2° 1	11°52	14°54	4°34	7°35	25°41	23°58	16°32	n.a.	T 4
F 5	20 25 41	4°32'09	29°53	28°49	28°27	9°14	2°14	11°48	14°52	4°36	7°33	25°38	23°55	16°39	n.a.	F 5
S 6	20 29 38	5°30'34	14♌43	0♍ 8	29°38	9°51	2°26	11°44	14°50	4°38	7°32	25°33	23°52	16°46	n.a.	S 6
S 7	20 33 34	6°29'00	29°42	1°25	0♋49	10°28	2°38	11°40	14°48	4°40	7°31	25°27	23°49	16°53	n.a.	S 7
M 8	20 37 31	7°27'29	14♍41	2°41	2° 0	11° 4	2°51	11°37	14°46	4°42	7°30	25°21	23°45	16°59	n.a.	M 8
T 9	20 41 27	8°25'59	29°31	3°56	3°12	11°41	3° 3	11°33	14°44	4°44	7°29	25°15	23°42	17° 6	n.a.	T 9
W10	20 45 24	9°24'31	14♎ 5	5° 8	4°23	12°17	3°15	11°29	14°41	4°46	7°28	25°11	23°39	17°13	n.a.	W10
T 11	20 49 20	10°23'05	28°18	6°19	5°35	12°54	3°28	11°25	14°39	4°48	7°27	25° 9	23°36	17°20	n.a.	T 11
F 12	20 53 17	11°21'40	12♏10	7°28	6°46	13°30	3°41	11°22	14°37	4°50	7°26	25°D 8	23°33	17°26	n.a.	F 12
S 13	20 57 14	12°20'17	25°40	8°34	7°58	14° 6	3°53	11°18	14°35	4°52	7°24	25° 9	23°30	17°33	n.a.	S 13
S 14	21 1 10	13°18'56	8♐51	9°39	9°10	14°43	4° 6	11°15	14°33	4°55	7°23	25°10	23°26	17°40	n.a.	S 14
M15	21 5 7	14°17'37	21°45	10°41	10°22	15°19	4°18	11°11	14°31	4°57	7°22	25°R11	23°23	17°46	n.a.	M15
T 16	21 9 3	15°16'20	4♑24	11°41	11°34	15°55	4°31	11° 8	14°29	4°59	7°21	25°10	23°20	17°53	n.a.	T 16
W17	21 13 0	16°15'05	16°51	12°38	12°46	16°30	4°44	11° 5	14°27	5° 1	7°20	25° 8	23°17	18° 0	n.a.	W17
T 18	21 16 56	17°13'52	29° 9	13°32	13°58	17° 6	4°56	11° 1	14°25	5° 3	7°19	25° 3	23°14	18° 7	n.a.	T 18
F 19	21 20 53	18°12'40	11♒19	14°24	15°10	17°42	5° 9	10°58	14°24	5° 5	7°18	24°56	23°10	18°13	n.a.	F 19
S 20	21 24 49	19°11'31	23°22	15°12	16°23	18°17	5°22	10°55	14°22	5° 7	7°17	24°47	23° 7	18°20	n.a.	S 20
S 21	21 28 46	20°10'24	5♓20	15°56	17°35	18°53	5°35	10°52	14°20	5°10	7°17	24°37	23° 4	18°27	n.a.	S 21
M22	21 32 43	21° 9'19	17°14	16°37	18°48	19°28	5°48	10°49	14°18	5°12	7°16	24°26	23° 1	18°33	n.a.	M22
T 23	21 36 39	22° 8'16	29° 6	17°13	20° 0	20° 3	6° 1	10°46	14°16	5°14	7°15	24°15	22°58	18°40	n.a.	T 23
W24	21 40 36	23° 7'15	10♈58	17°45	21°13	20°39	6°13	10°44	14°15	5°16	7°14	24° 6	22°55	18°47	n.a.	W24
T 25	21 44 32	24° 6'17	22°52	18°12	22°26	21°14	6°26	10°41	14°13	5°18	7°13	23°59	22°51	18°54	n.a.	T 25
F 26	21 48 29	25° 5'22	4♉54	18°34	23°39	21°49	6°39	10°38	14°11	5°21	7°12	23°55	22°48	19° 0	n.a.	F 26
S 27	21 52 25	26° 4'28	17° 6	18°50	24°52	22°24	6°52	10°36	14°10	5°23	7°11	23°52	22°45	19° 7	n.a.	S 27
S 28	21 56 22	27° 3'38	29°33	19° 0	26° 5	22°58	7° 5	10°33	14° 8	5°25	7°11	23°D52	22°42	19°14	n.a.	S 28
M29	22 0 18	28° 2'49	12♊21	19°R 4	27°18	23°33	7°18	10°31	14° 7	5°27	7°10	23°53	22°39	19°21	n.a.	M29
T 30	22 4 15	29° 2'04	25°33	19° 0	28°31	24° 8	7°31	10°29	14° 5	5°29	7° 9	23°R53	22°35	19°27	n.a.	T 30
W31	22 8 11	0♍ 1'20	9♋14	18♍50	29♋44	24♊42	7♍44	10♑27	14♑ 4	5♍32	7♑ 8	23♐52	22♐32	19♓34	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	20n18	23n 9	1n55	13n46	0s11	22n44	0s54	21n55	0n10	12n17	1n15	23s54	0s41	23s30	0s35	11n28	1n34	30s55	7s23	23s42	23s39	0s50			n.a.
T 2	20 5	23 55	0 45	13 10	0 19	22 50	0 50	22 2	0 11	12 13	1 15	23 55	0 41	23 30	0 35	11 27	1 34	30 55	7 23	23 42	23 39	0 47			n.a.
W 3	19 52	23 17	0s30	12 34	0 27	22 56	0 47	22 9	0 12	12 8	1 15	23 55	0 41	23 30	0 35	11 26	1 34	30 55	7 23	23 42	23 38	0 44			n.a.
T 4	19 38	21 9	1 45	11 58	0 36	23 1	0 44	22 16	0 13	12 4	1 15	23 55	0 41	23 30	0 35	11 26	1 34	30 55	7 23	23 42	23 38	0 42			n.a.
F 5	19 24	17 37	2 55	11 22	0 44	23 6	0 40	22 22	0 14	11 59	1 15	23 56	0 41	23 31	0 35	11 25	1 34	30 55	7 23	23 42	23 38	0 39			n.a.
S 6	19 10	12 55	3 54	10 46	0 53	23 10	0 37	22 29	0 14	11 55	1 15	23 56	0 41	23 31	0 35	11 24	1 34	30 55	7 23	23 42	23 38	0 36			n.a.
S 7	18 55	7 24	4 39	10 10	1 1	23 13	0 33	22 35	0 15	11 50	1 15	23 57	0 41	23 31	0 35	11 23	1 34	30 55	7 23	23 42	23 38	0 33			n.a.
M 8	18 40	1 27	5 4	9 34	1 10	23 16	0 30	22 41	0 16	11 46	1 15	23 57	0 42	23 31	0 35	11 23	1 34	30 56	7 23	23 42	23 38	0 31			n.a.
T 9	18 25	4s30	5 8	8 59	1 19	23 18	0 27	22 47	0 17	11 41	1 15	23 58	0 42	23 32	0 35	11 22	1 34	30 56	7 23	23 41	23 38	0 28			n.a.
W10	18 9	10 6	4 52	8 24	1 28	23 19	0 23	22 53	0 18	11 36	1 14	23 58	0 42	23 32	0 35	11 21	1 34	30 56	7 22	23 41	23 37	0 25			n.a.
T 11	17 53	15 2	4 19	7 50	1 36	23 19	0 20	22 59	0 19	11 32	1 14	23 58	0 42	23 32	0 35	11 20	1 34	30 56	7 22	23 41	23 37	0 22			n.a.
F 12	17 37	19 3	3 31	7 16	1 45	23 19	0 17	23 4	0 20	11 27	1 14	23 59	0 42	23 32	0 35	11 19	1 34	30 56	7 22	23 41	23 37	0 20			n.a.
S 13	17 20	21 55	2 32	6 43	1 54	23 19	0 14	23 9	0 21	11 22	1 14	23 59	0 42	23 33	0 35	11 19	1 34	30 56	7 22	23 41	23 37	0 17			n.a.
S 14	17 4	23 31	1 27	6 11	2 2	23 17	0 10	23 15	0 21	11 18	1 14	23 59	0 42	23 33	0 35	11 18	1 34	30 56	7 22	23 41	23 37	0 14			n.a.
M15	16 46	23 49	0 19	5 39	2 11	23 15	0 7	23 19	0 22	11 13	1 14	24 0	0 42	23 33	0 35	11 17	1 34	30 56	7 22	23 41	23 37	0 12			n.a.
T 16	16 29	22 53	0n49	5 9	2 19	23 12	0 4	23 24	0 23	11 8	1 14	24 0	0 42	23 33	0 35	11 16	1 34	30 56	7 22	23 41	23 36	0 9			n.a.
W17	16 11	20 49	1 54	4 39	2 27	23 9	0 1	23 29	0 24	11 4	1 14	24 0	0 42	23 33	0 35	11 16	1 34	30 56	7 22	23 41	23 36	0 6			n.a.
T 18	15 53	17 49	2 52	4 11	2 35	23 5	0n 3	23 33	0 25	10 59	1 14	24 1	0 42	23 34	0 35	11 15	1 34	30 56	7 22	23 41	23 36	0 3			n.a.
F 19	15 35	14 5	3 41	3 43	2 43	23 0	0 6	23 38	0 26	10 54	1 14	24 1	0 42	23 34	0 35	11 14	1 34	30 56	7 22	23 41	23 36	0 1			n.a.
S 20	15 17	9 50	4 20	3 18	2 51	22 54	0 9	23 42	0 27	10 49	1 14	24 1	0 42	23 34	0 35	11 13	1 34	30 56	7 22	23 40	23 36	0n 2			n.a.
S 21	14 58	5 14	4 47	2 54	2 58	22 48	0 12	23 46	0 28	10 44	1 14	24 2	0 42	23 34	0 35	11 12	1 34	30 56	7 22	23 40	23 36	0 5			n.a.
M22	14 39	0 29	5 2	2 31	3 5	22 41	0 15	23 50	0 29	10 39	1 14	24 2	0 42	23 34	0 35	11 11	1 34	30 56	7 22	23 40	23 35	0 7			n.a.
T 23	14 20	4n15	5 3	2 11	3 12	22 33	0 18	23 54	0 30	10 35	1 14	24 2	0 42	23 35	0 35	11 11	1 34	30 56	7 22	23 39	23 35	0 10			n.a.
W24	14 0	8 51	4 51	1 53	3 18	22 25	0 21	23 57	0 31	10 30	1 14	24 2	0 42	23 35	0 35	11 10	1 34	30 56	7 22	23 39	23 35	0 13			n.a.
T 25	13 40	13 8	4 27	1 37	3 23	22 16	0 24	24 1	0 32	10 25	1 14	24 3	0 42	23 35	0 35	11 9	1 34	30 56	7 22	23 38	23 35	0 16			n.a.
F 26	13 20	16 56	3 50	1 24	3 28	22 7	0 27	24 4	0 33	10 20	1 14	24 3	0 42	23 35	0 35	11 8	1 34	30 55	7 21	23 38	23 35	0 18			n.a.
S 27	13 0	20 6	3 3	1 14	3 32	21 56	0 29	24 7	0 34	10 15	1 14	24 3	0 42	23 35	0 35	11 7	1 34	30 55	7 21	23 38	23 35	0 21			n.a.
S 28	12 40	22 23	2 6	1 6	3 36	21 46	0 32	24 10	0 34	10 10	1 14	24 3	0 42	23 35	0 35	11 7	1 34	30 55	7 21	23 38	23 34	0 24			n.a.
M29	12 19	23 36	1 1	1 3	3 38	21 34	0 35	24 13	0 35	10 5	1 14	24 4	0 42	23 36	0 35	11 6	1 34	30 55	7 21	23 38	23 34	0 26			n.a.
T 30	11 58	23 33	0s 9	1 3	3 40	21 22	0 38	24 15	0 36	10 0	1 14	24 4	0 42	23 36	0 35	11 5	1 34	30 55	7 21	23 38	23 34	0 29			n.a.
W31	11n37	22n 7	1s21	1n 7	3s40	21n 9	0n40	24n18	0n37	9n55	1n14	24s 4	0s43	23s36	0s35	11n 4	1n34	30s55	7s21	23s38	23s34	0n32			n.a.

Julian Day Number = 1469978.5, Delta T = 05h31m50s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'52, Lahiri = -13°27'52 Julian Calendar 1 Aug. 689 BCE == Greg. Calendar 25 July 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

SEPTEMBER 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 12 8	1♍ 0'39	23♋23	18°R31	0♌57	25♊16	7♍57	10°R25	14°R 2	5♍34	7°R 8	23°R49	22♐29	19♓41	n.a.	T 1
F 2	22 16 5	2° 0'01	8♌ 1	18♍ 5	2°11	25°51	8°11	10♑23	14♑ 1	5°36	7♑ 7	23♐43	22°26	19°47	n.a.	F 2
S 3	22 20 1	2°59'24	23° 2	17°30	3°24	26°25	8°24	10°21	14° 0	5°38	7° 6	23°35	22°23	19°54	n.a.	S 3
S 4	22 23 58	3°58'50	8♍16	16°48	4°38	26°59	8°37	10°19	13°58	5°41	7° 6	23°25	22°20	20° 1	n.a.	S 4
M 5	22 27 54	4°58'18	23°34	15°58	5°51	27°32	8°50	10°17	13°57	5°43	7° 5	23°14	22°16	20° 8	n.a.	M 5
T 6	22 31 51	5°57'48	8♎44	15° 1	7° 5	28° 6	9° 3	10°16	13°56	5°45	7° 5	23° 4	22°13	20°14	n.a.	T 6
W 7	22 35 47	6°57'20	23°35	13°58	8°19	28°40	9°16	10°14	13°55	5°47	7° 4	22°56	22°10	20°21	n.a.	W 7
T 8	22 39 44	7°56'54	8♏ 2	12°50	9°32	29°13	9°29	10°13	13°54	5°50	7° 4	22°51	22° 7	20°28	n.a.	T 8
F 9	22 43 40	8°56'30	22° 2	11°38	10°46	29°47	9°42	10°12	13°53	5°52	7° 3	22°48	22° 4	20°35	n.a.	F 9
S 10	22 47 37	9°56'08	5♐34	10°25	12° 0	0♋20	9°55	10°10	13°52	5°54	7° 3	22°D47	22° 1	20°41	n.a.	S 10
S 11	22 51 33	10°55'47	18°42	9°13	13°14	0°53	10° 8	10° 9	13°51	5°56	7° 2	22°R47	21°57	20°48	n.a.	S 11
M12	22 55 30	11°55'29	1♑28	8° 3	14°28	1°26	10°22	10° 8	13°50	5°59	7° 2	22°47	21°54	20°55	n.a.	M12
T 13	22 59 27	12°55'12	13°57	6°58	15°42	1°59	10°35	10° 7	13°49	6° 1	7° 1	22°45	21°51	21° 1	n.a.	T 13
W14	23 3 23	13°54'57	26°13	5°59	16°56	2°31	10°48	10° 7	13°48	6° 3	7° 1	22°41	21°48	21° 8	n.a.	W14
T 15	23 7 20	14°54'44	8♒20	5° 9	18°10	3° 4	11° 1	10° 6	13°47	6° 5	7° 1	22°34	21°45	21°15	n.a.	T 15
F 16	23 11 16	15°54'33	20°20	4°28	19°24	3°36	11°14	10° 5	13°46	6° 7	7° 0	22°24	21°41	21°22	n.a.	F 16
S 17	23 15 13	16°54'24	2♓16	3°58	20°39	4° 9	11°27	10° 5	13°46	6°10	7° 0	22°12	21°38	21°28	n.a.	S 17
S 18	23 19 9	17°54'16	14°10	3°39	21°53	4°41	11°40	10° 5	13°45	6°12	7° 0	21°58	21°35	21°35	n.a.	S 18
M19	23 23 6	18°54'11	26° 3	3°D32	23° 7	5°13	11°53	10° 4	13°44	6°14	6°59	21°43	21°32	21°42	n.a.	M19
T 20	23 27 2	19°54'08	7♈55	3°35	24°22	5°44	12° 6	10° 4	13°44	6°16	6°59	21°29	21°29	21°48	n.a.	T 20
W21	23 30 59	20°54'07	19°50	3°50	25°36	6°16	12°19	10°D 4	13°43	6°18	6°59	21°16	21°26	21°55	n.a.	W21
T 22	23 34 56	21°54'08	1♉48	4°15	26°51	6°48	12°32	10° 4	13°43	6°21	6°59	21° 6	21°22	22° 2	n.a.	T 22
F 23	23 38 52	22°54'12	13°52	4°49	28° 5	7°19	12°46	10° 4	13°43	6°23	6°59	20°59	21°19	22° 9	n.a.	F 23
S 24	23 42 49	23°54'17	26° 5	5°32	29°20	7°50	12°59	10° 4	13°42	6°25	6°59	20°55	21°16	22°15	n.a.	S 24
S 25	23 46 45	24°54'25	8♊31	6°23	0♍34	8°21	13°12	10° 5	13°42	6°27	6°59	20°53	21°13	22°22	n.a.	S 25
M26	23 50 42	25°54'35	21°15	7°21	1°49	8°52	13°25	10° 5	13°42	6°29	6°59	20°53	21°10	22°29	n.a.	M26
T 27	23 54 38	26°54'48	4♋20	8°26	3° 4	9°23	13°37	10° 6	13°41	6°31	6°D58	20°52	21° 7	22°36	n.a.	T 27
W28	23 58 35	27°55'02	17°51	9°35	4°19	9°53	13°50	10° 6	13°41	6°33	6°58	20°51	21° 3	22°42	n.a.	W28
T 29	0 2 31	28°55'19	1♌51	10°50	5°33	10°24	14° 3	10° 7	13°41	6°36	6°59	20°48	21° 0	22°49	n.a.	T 29
F 30	0 6 28	29♍55'38	16♌18	12♍ 8	6♍48	10♋54	14♍16	10♑ 8	13°D41	6♍38	6♑59	20♐42	20♐57	22♓56	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n16	19n15	2s30	1n16	3s39	20n55	0n43	24n20	0n38	9n50	1n14	24s 4	0s43	23s36	0s35	11n 3	1n34	30s55	7s21	23s38	23s34	0n34		n.a.
F 2	10 55	15 7	3 32	1 28	3 36	20 41	0 45	24 22	0 39	9 45	1 14	24 4	0 43	23 36	0 35	11 2	1 34	30 55	7 21	23 38	23 33	0 37		n.a.
S 3	10 33	9 56	4 20	1 46	3 31	20 27	0 48	24 24	0 40	9 40	1 14	24 5	0 43	23 36	0 35	11 2	1 34	30 55	7 21	23 37	23 33	0 40		n.a.
S 4	10 11	4 5	4 51	2 8	3 25	20 11	0 50	24 26	0 41	9 35	1 14	24 5	0 43	23 36	0 35	11 1	1 34	30 55	7 21	23 37	23 33	0 43		n.a.
M 5	9 49	2s 1	5 2	2 35	3 17	19 55	0 53	24 28	0 42	9 30	1 14	24 5	0 43	23 36	0 35	11 0	1 34	30 55	7 21	23 36	23 33	0 45		n.a.
T 6	9 27	7 57	4 51	3 7	3 7	19 39	0 55	24 29	0 44	9 25	1 14	24 5	0 43	23 37	0 34	10 59	1 34	30 55	7 20	23 36	23 33	0 48		n.a.
W 7	9 5	13 18	4 20	3 42	2 55	19 22	0 57	24 31	0 45	9 20	1 14	24 5	0 43	23 37	0 34	10 58	1 34	30 55	7 20	23 35	23 33	0 51		n.a.
T 8	8 42	17 45	3 33	4 21	2 41	19 4	0 59	24 32	0 46	9 15	1 14	24 5	0 43	23 37	0 34	10 57	1 34	30 55	7 20	23 35	23 32	0 53		n.a.
F 9	8 20	21 2	2 35	5 3	2 26	18 46	1 2	24 33	0 47	9 10	1 14	24 5	0 43	23 37	0 34	10 57	1 34	30 55	7 20	23 35	23 32	0 56		n.a.
S 10	7 57	23 1	1 30	5 47	2 8	18 27	1 4	24 34	0 48	9 5	1 14	24 6	0 43	23 37	0 34	10 56	1 34	30 55	7 20	23 35	23 32	0 59		n.a.
S 11	7 34	23 39	0 22	6 32	1 49	18 8	1 6	24 35	0 49	9 0	1 14	24 6	0 43	23 37	0 34	10 55	1 34	30 54	7 20	23 35	23 32	1 1		n.a.
M12	7 11	23 0	0n46	7 17	1 30	17 48	1 8	24 36	0 50	8 55	1 14	24 6	0 43	23 37	0 34	10 54	1 34	30 54	7 20	23 35	23 32	1 4		n.a.
T 13	6 48	21 13	1 49	8 0	1 9	17 28	1 9	24 37	0 51	8 50	1 14	24 6	0 43	23 37	0 34	10 53	1 34	30 54	7 20	23 35	23 31	1 7		n.a.
W14	6 25	18 29	2 47	8 41	0 49	17 7	1 11	24 37	0 52	8 45	1 14	24 6	0 43	23 37	0 34	10 52	1 34	30 54	7 20	23 34	23 31	1 9		n.a.
T 15	6 1	14 58	3 36	9 19	0 29	16 45	1 13	24 38	0 53	8 40	1 14	24 6	0 43	23 37	0 34	10 52	1 34	30 54	7 19	23 34	23 31	1 12		n.a.
F 16	5 38	10 54	4 14	9 52	0 9	16 23	1 15	24 38	0 54	8 35	1 14	24 6	0 43	23 37	0 34	10 51	1 34	30 54	7 19	23 33	23 31	1 15		n.a.
S 17	5 14	6 26	4 42	10 21	0n10	16 1	1 16	24 38	0 55	8 30	1 14	24 6	0 43	23 37	0 34	10 50	1 34	30 54	7 19	23 33	23 31	1 17		n.a.
S 18	4 51	1 46	4 56	10 44	0 28	15 38	1 18	24 38	0 57	8 25	1 14	24 6	0 43	23 37	0 34	10 49	1 34	30 54	7 19	23 32	23 30	1 20		n.a.
M19	4 27	2n57	4 58	11 2	0 44	15 15	1 19	24 38	0 58	8 20	1 14	24 6	0 43	23 37	0 34	10 48	1 34	30 54	7 19	23 31	23 30	1 23		n.a.
T 20	4 3	7 34	4 47	11 15	0 59	14 51	1 21	24 38	0 59	8 15	1 14	24 6	0 43	23 38	0 34	10 48	1 34	30 54	7 19	23 30	23 30	1 25		n.a.
W21	3 39	11 55	4 23	11 22	1 12	14 27	1 22	24 38	1 0	8 10	1 14	24 6	0 43	23 38	0 34	10 47	1 34	30 53	7 19	23 29	23 30	1 28		n.a.
T 22	3 15	15 49	3 48	11 24	1 24	14 2	1 23	24 37	1 1	8 5	1 14	24 6	0 43	23 38	0 34	10 46	1 34	30 53	7 19	23 28	23 30	1 31		n.a.
F 23	2 51	19 7	3 2	11 20	1 34	13 37	1 24	24 37	1 2	8 0	1 14	24 6	0 43	23 38	0 34	10 45	1 34	30 53	7 18	23 28	23 29	1 33		n.a.
S 24	2 27	21 36	2 7	11 12	1 43	13 12	1 26	24 36	1 4	7 55	1 14	24 6	0 43	23 38	0 34	10 44	1 34	30 53	7 18	23 28	23 29	1 36		n.a.
S 25	2 3	23 6	1 5	11 0	1 50	12 46	1 27	24 35	1 5	7 50	1 14	24 6	0 43	23 38	0 34	10 44	1 34	30 53	7 18	23 28	23 29	1 39		n.a.
M26	1 39	23 27	0s 2	10 43	1 56	12 20	1 28	24 34	1 6	7 45	1 14	24 6	0 43	23 38	0 34	10 43	1 34	30 53	7 18	23 28	23 29	1 41		n.a.
T 27	1 15	22 32	1 11	10 23	2 1	11 54	1 28	24 33	1 7	7 40	1 14	24 6	0 43	23 38	0 34	10 42	1 34	30 53	7 18	23 28	23 28	1 44		n.a.
W28	0 50	20 18	2 17	10 0	2 4	11 27	1 29	24 32	1 8	7 35	1 14	24 6	0 43	23 38	0 34	10 41	1 34	30 53	7 18	23 27	23 28	1 47		n.a.
T 29	0 26	16 48	3 18	9 33	2 6	11 0	1 30	24 31	1 10	7 30	1 14	24 6	0 43	23 38	0 34	10 40	1 34	30 52	7 18	23 27	23 28	1 49		n.a.
F 30	0n 2	12n13	4s 9	9n 4	2n 8	10n32	1n31	24n30	1n11	7n25	1n14	24s 6	0s43	23s38	0s34	10n40	1n34	30s52	7s18	23s27	23s28	1n52		n.a.

Julian Day Number = 1470009.5, Delta T = 05h31m48s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'48, Lahiri = -13°27'47 Julian Calendar 1 Sept. 689 BCE == Greg. Calendar 25 Aug. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

OCTOBER 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 10 25	0♎55'59	1♍12	13♍30	8♍ 3	11♋24	14♍29	10♑ 9	13♑41	6♍40	6♑59	20°R34	20♐54	23♓ 2	n.a.	S 1
S 2	0 14 21	1°56'22	16°24	14°55	9°18	11°54	14°42	10°10	13°41	6°42	6°59	20♐23	20°51	23° 9	n.a.	S 2
M 3	0 18 18	2°56'47	1♎44	16°22	10°33	12°23	14°55	10°11	13°41	6°44	6°59	20°12	20°47	23°16	n.a.	M 3
T 4	0 22 14	3°57'13	17° 1	17°51	11°48	12°53	15° 8	10°12	13°41	6°46	6°59	20° 1	20°44	23°23	n.a.	T 4
W 5	0 26 11	4°57'42	2♏ 4	19°21	13° 3	13°22	15°20	10°14	13°42	6°48	6°59	19°52	20°41	23°29	n.a.	W 5
T 6	0 30 7	5°58'12	16°43	20°53	14°18	13°51	15°33	10°15	13°42	6°50	7° 0	19°46	20°38	23°36	n.a.	T 6
F 7	0 34 4	6°58'44	0♐54	22°26	15°33	14°20	15°46	10°17	13°42	6°52	7° 0	19°42	20°35	23°43	n.a.	F 7
S 8	0 38 0	7°59'17	14°35	24° 0	16°48	14°49	15°58	10°19	13°43	6°54	7° 0	19°D41	20°32	23°50	n.a.	S 8
S 9	0 41 57	8°59'51	27°48	25°35	18° 4	15°17	16°11	10°20	13°43	6°56	7° 0	19°41	20°28	23°56	n.a.	S 9
M10	0 45 53	10° 0'27	10♑36	27°10	19°19	15°45	16°24	10°22	13°43	6°58	7° 1	19°R41	20°25	24° 3	n.a.	M10
T 11	0 49 50	11° 1'05	23° 5	28°45	20°34	16°13	16°36	10°24	13°44	7° 0	7° 1	19°40	20°22	24°10	n.a.	T 11
W12	0 53 47	12° 1'43	5♒17	0♎21	21°49	16°41	16°49	10°26	13°45	7° 2	7° 1	19°38	20°19	24°16	n.a.	W12
T 13	0 57 43	13° 2'23	17°19	1°57	23° 4	17° 8	17° 1	10°29	13°45	7° 4	7° 2	19°32	20°16	24°23	n.a.	T 13
F 14	1 1 40	14° 3'04	29°15	3°32	24°20	17°36	17°14	10°31	13°46	7° 6	7° 2	19°24	20°12	24°30	n.a.	F 14
S 15	1 5 36	15° 3'47	11♓ 7	5° 8	25°35	18° 3	17°26	10°33	13°47	7° 7	7° 3	19°14	20° 9	24°37	n.a.	S 15
S 16	1 9 33	16° 4'30	22°59	6°44	26°50	18°30	17°38	10°36	13°47	7° 9	7° 3	19° 2	20° 6	24°43	n.a.	S 16
M17	1 13 29	17° 5'16	4♈53	8°20	28° 5	18°56	17°51	10°38	13°48	7°11	7° 4	18°50	20° 3	24°50	n.a.	M17
T 18	1 17 26	18° 6'02	16°50	9°56	29°21	19°22	18° 3	10°41	13°49	7°13	7° 4	18°37	20° 0	24°57	n.a.	T 18
W19	1 21 22	19° 6'50	28°51	11°31	0♎36	19°48	18°15	10°44	13°50	7°15	7° 5	18°27	19°57	25° 3	n.a.	W19
T 20	1 25 19	20° 7'40	10♉57	13° 7	1°52	20°14	18°27	10°47	13°51	7°17	7° 6	18°18	19°53	25°10	n.a.	T 20
F 21	1 29 16	21° 8'31	23°11	14°42	3° 7	20°40	18°39	10°50	13°52	7°18	7° 6	18°12	19°50	25°17	n.a.	F 21
S 22	1 33 12	22° 9'23	5♊34	16°18	4°22	21° 5	18°51	10°53	13°53	7°20	7° 7	18° 9	19°47	25°24	n.a.	S 22
S 23	1 37 9	23°10'17	18° 8	17°53	5°38	21°30	19° 3	10°56	13°54	7°22	7° 8	18°D 8	19°44	25°30	n.a.	S 23
M24	1 41 5	24°11'12	0♋55	19°28	6°53	21°55	19°15	10°59	13°55	7°23	7° 8	18° 9	19°41	25°37	n.a.	M24
T 25	1 45 2	25°12'09	14° 1	21° 3	8° 9	22°19	19°27	11° 3	13°57	7°25	7° 9	18°10	19°38	25°44	n.a.	T 25
W26	1 48 58	26°13'08	27°26	22°37	9°24	22°43	19°39	11° 6	13°58	7°27	7°10	18°R10	19°34	25°51	n.a.	W26
T 27	1 52 55	27°14'08	11♌15	24°12	10°40	23° 7	19°51	11°10	13°59	7°28	7°11	18° 9	19°31	25°57	n.a.	T 27
F 28	1 56 51	28°15'09	25°27	25°47	11°55	23°31	20° 2	11°13	14° 1	7°30	7°11	18° 6	19°28	26° 4	n.a.	F 28
S 29	2 0 48	29°16'12	10♍ 2	27°21	13°11	23°54	20°14	11°17	14° 2	7°31	7°12	18° 1	19°25	26°11	n.a.	S 29
S 30	2 4 45	0♏17'15	24°54	28°56	14°26	24°17	20°25	11°21	14° 3	7°33	7°13	17°54	19°22	26°17	n.a.	S 30
M31	2 8 41	1♏18'20	9♎57	0♏30	15♎42	24♋39	20♍37	11♑25	14♑ 5	7♍34	7♑14	17♐47	19♐18	26♓24	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s23	6n47	4s44	8n32	2n 8	10n 5	1n31	24n29	1n12	7n20	1n14	24s 6	0s43	23s38	0s34	10n39	1n34	30s52	7s17	23s26	23s28	1n55		n.a.
S 2	0 47	0 51	5 0	7 59	2 8	9 36	1 32	24 27	1 13	7 15	1 14	24 6	0 43	23 38	0 34	10 38	1 34	30 52	7 17	23 25	23 27	1 57		n.a.
M 3	1 11	5s12	4 55	7 23	2 6	9 8	1 32	24 26	1 15	7 10	1 15	24 6	0 43	23 38	0 34	10 37	1 34	30 52	7 17	23 25	23 27	2 0		n.a.
T 4	1 36	10 54	4 28	6 46	2 4	8 40	1 33	24 24	1 16	7 5	1 15	24 6	0 43	23 37	0 34	10 37	1 34	30 52	7 17	23 24	23 27	2 3		n.a.
W 5	2 0	15 51	3 44	6 8	2 2	8 11	1 33	24 23	1 17	7 0	1 15	24 6	0 43	23 37	0 34	10 36	1 35	30 52	7 17	23 23	23 27	2 5		n.a.
T 6	2 24	19 42	2 45	5 29	1 59	7 42	1 33	24 21	1 19	6 55	1 15	24 5	0 43	23 37	0 34	10 35	1 35	30 51	7 17	23 23	23 26	2 8		n.a.
F 7	2 48	22 13	1 38	4 48	1 55	7 12	1 33	24 19	1 20	6 50	1 15	24 5	0 43	23 37	0 34	10 34	1 35	30 51	7 17	23 22	23 26	2 11		n.a.
S 8	3 13	23 19	0 27	4 7	1 51	6 43	1 34	24 17	1 21	6 45	1 15	24 5	0 43	23 37	0 34	10 34	1 35	30 51	7 16	23 22	23 26	2 13		n.a.
S 9	3 37	23 3	0n43	3 25	1 47	6 13	1 34	24 15	1 23	6 40	1 15	24 5	0 43	23 37	0 34	10 33	1 35	30 51	7 16	23 22	23 26	2 16		n.a.
M10	4 1	21 32	1 49	2 42	1 42	5 43	1 33	24 13	1 24	6 35	1 15	24 5	0 43	23 37	0 34	10 32	1 35	30 51	7 16	23 22	23 26	2 18		n.a.
T 11	4 25	19 1	2 48	1 59	1 37	5 13	1 33	24 11	1 25	6 31	1 15	24 5	0 43	23 37	0 34	10 32	1 35	30 51	7 16	23 22	23 25	2 21		n.a.
W12	4 49	15 42	3 37	1 16	1 32	4 43	1 33	24 9	1 27	6 26	1 15	24 5	0 43	23 37	0 34	10 31	1 35	30 51	7 16	23 22	23 25	2 24		n.a.
T 13	5 13	11 47	4 17	0 32	1 27	4 12	1 33	24 7	1 28	6 21	1 15	24 4	0 43	23 37	0 34	10 30	1 35	30 50	7 16	23 22	23 25	2 26		n.a.
F 14	5 37	7 28	4 44	0s12	1 21	3 42	1 33	24 5	1 30	6 16	1 15	24 4	0 43	23 37	0 34	10 30	1 35	30 50	7 16	23 21	23 25	2 29		n.a.
S 15	6 1	2 53	5 0	0 56	1 15	3 11	1 32	24 3	1 31	6 11	1 15	24 4	0 43	23 37	0 34	10 29	1 35	30 50	7 16	23 20	23 24	2 32		n.a.
S 16	6 25	1n47	5 2	1 40	1 9	2 40	1 32	24 0	1 33	6 6	1 16	24 4	0 43	23 37	0 34	10 28	1 35	30 50	7 15	23 19	23 24	2 34		n.a.
M17	6 48	6 24	4 51	2 24	1 3	2 10	1 31	23 58	1 34	6 2	1 16	24 4	0 43	23 36	0 34	10 28	1 35	30 50	7 15	23 18	23 24	2 37		n.a.
T 18	7 12	10 48	4 27	3 7	0 56	1 39	1 31	23 56	1 35	5 57	1 16	24 4	0 43	23 36	0 34	10 27	1 35	30 50	7 15	23 17	23 24	2 40		n.a.
W19	7 35	14 49	3 52	3 51	0 50	1 8	1 30	23 53	1 37	5 52	1 16	24 3	0 43	23 36	0 34	10 26	1 35	30 49	7 15	23 16	23 23	2 42		n.a.
T 20	7 58	18 15	3 5	4 35	0 43	0 37	1 29	23 51	1 38	5 47	1 16	24 3	0 43	23 36	0 34	10 26	1 35	30 49	7 15	23 15	23 23	2 45		n.a.
F 21	8 22	20 55	2 9	5 18	0 37	0 6	1 28	23 49	1 40	5 43	1 16	24 3	0 43	23 36	0 34	10 25	1 35	30 49	7 15	23 15	23 23	2 47		n.a.
S 22	8 45	22 38	1 7	6 2	0 30	0s26	1 27	23 46	1 42	5 38	1 16	24 3	0 43	23 36	0 33	10 24	1 35	30 49	7 15	23 14	23 23	2 50		n.a.
S 23	9 8	23 14	0 0	6 45	0 24	0 57	1 27	23 44	1 43	5 33	1 16	24 2	0 43	23 36	0 33	10 24	1 35	30 49	7 15	23 14	23 22	2 53		n.a.
M24	9 30	22 38	1s 8	7 27	0 17	1 28	1 26	23 41	1 45	5 29	1 16	24 2	0 43	23 36	0 33	10 23	1 35	30 49	7 14	23 14	23 22	2 55		n.a.
T 25	9 53	20 48	2 14	8 10	0 11	1 59	1 24	23 39	1 46	5 24	1 16	24 2	0 43	23 35	0 33	10 23	1 35	30 48	7 14	23 15	23 22	2 58		n.a.
W26	10 16	17 47	3 15	8 52	0 4	2 30	1 23	23 36	1 48	5 20	1 17	24 1	0 43	23 35	0 33	10 22	1 35	30 48	7 14	23 15	23 22	3 0		n.a.
T 27	10 38	13 42	4 6	9 33	0s 3	3 1	1 22	23 34	1 50	5 15	1 17	24 1	0 43	23 35	0 33	10 22	1 35	30 48	7 14	23 14	23 21	3 3		n.a.
F 28	11 0	8 46	4 44	10 14	0 9	3 32	1 21	23 31	1 51	5 11	1 17	24 1	0 43	23 35	0 33	10 21	1 35	30 48	7 14	23 14	23 21	3 6		n.a.
S 29	11 22	3 13	5 4	10 55	0 16	4 3	1 20	23 29	1 53	5 6	1 17	24 1	0 43	23 35	0 33	10 20	1 36	30 48	7 14	23 14	23 21	3 8		n.a.
S 30	11 44	2s36	5 5	11 35	0 22	4 34	1 18	23 27	1 55	5 2	1 17	24 0	0 43	23 35	0 33	10 20	1 36	30 48	7 14	23 13	23 21	3 11		n.a.
M31	12s 6	8s21	4s45	12s15	0s28	5s 5	1n17	23n24	1n56	4n57	1n17	24s 0	0s43	23s34	0s33	10n19	1n36	30s47	7s14	23s12	23s20	3n13		n.a.

Julian Day Number = 1470039.5, Delta T = 05h31m47s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'44, Lahiri = -13°27'43 Julian Calendar 1 Oct. 689 BCE == Greg. Calendar 24 Sept. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

NOVEMBER 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 12 38	2♏19'27	25♎ 2	2♏ 5	16♎57	25♋ 1	20♍48	11♑29	14♑ 6	7♍36	7♑15	17°R40	19♐15	26♓31	n.a.	T 1
W 2	2 16 34	3°20'34	9♏59	3°39	18°13	25°23	20°59	11°33	14° 8	7°37	7°16	17♐33	19°12	26°38	n.a.	W 2
T 3	2 20 31	4°21'42	24°38	5°13	19°28	25°45	21°11	11°37	14°10	7°39	7°17	17°29	19° 9	26°44	n.a.	T 3
F 4	2 24 27	5°22'51	8♐54	6°48	20°44	26° 6	21°22	11°41	14°11	7°40	7°18	17°27	19° 6	26°51	n.a.	F 4
S 5	2 28 24	6°24'01	22°42	8°22	21°59	26°26	21°33	11°45	14°13	7°42	7°19	17°D27	19° 3	26°58	n.a.	S 5
S 6	2 32 20	7°25'11	6♑ 3	9°57	23°15	26°47	21°44	11°50	14°15	7°43	7°20	17°28	18°59	27° 4	n.a.	S 6
M 7	2 36 17	8°26'22	18°58	11°31	24°30	27° 7	21°55	11°54	14°17	7°44	7°21	17°30	18°56	27°11	n.a.	M 7
T 8	2 40 14	9°27'33	1♒32	13° 6	25°46	27°26	22° 6	11°59	14°19	7°46	7°22	17°31	18°53	27°18	n.a.	T 8
W 9	2 44 10	10°28'44	13°47	14°40	27° 2	27°45	22°16	12° 3	14°21	7°47	7°23	17°R31	18°50	27°25	n.a.	W 9
T 10	2 48 7	11°29'56	25°50	16°15	28°17	28° 4	22°27	12° 8	14°23	7°48	7°24	17°30	18°47	27°31	n.a.	T 10
F 11	2 52 3	12°31'08	7♓45	17°50	29°33	28°22	22°38	12°13	14°25	7°49	7°26	17°27	18°43	27°38	n.a.	F 11
S 12	2 56 0	13°32'20	19°37	19°25	0♏48	28°40	22°48	12°18	14°27	7°50	7°27	17°23	18°40	27°45	n.a.	S 12
S 13	2 59 56	14°33'33	1♈29	21° 0	2° 4	28°58	22°59	12°23	14°29	7°52	7°28	17°17	18°37	27°52	n.a.	S 13
M14	3 3 53	15°34'46	13°25	22°35	3°19	29°15	23° 9	12°28	14°31	7°53	7°29	17°11	18°34	27°58	n.a.	M14
T 15	3 7 49	16°36'00	25°27	24°11	4°35	29°31	23°19	12°33	14°33	7°54	7°30	17° 5	18°31	28° 5	n.a.	T 15
W16	3 11 46	17°37'13	7♉36	25°46	5°50	29°47	23°29	12°38	14°35	7°55	7°32	17° 0	18°28	28°12	n.a.	W16
T 17	3 15 43	18°38'27	19°55	27°22	7° 6	0♌ 3	23°39	12°43	14°38	7°56	7°33	16°56	18°24	28°18	n.a.	T 17
F 18	3 19 39	19°39'42	2♊25	28°57	8°22	0°18	23°49	12°48	14°40	7°57	7°34	16°54	18°21	28°25	n.a.	F 18
S 19	3 23 36	20°40'57	15° 5	0♐33	9°37	0°33	23°59	12°54	14°42	7°58	7°36	16°D53	18°18	28°32	n.a.	S 19
S 20	3 27 32	21°42'12	27°57	2° 9	10°53	0°47	24° 9	12°59	14°45	7°59	7°37	16°53	18°15	28°39	n.a.	S 20
M21	3 31 29	22°43'28	11♋ 1	3°45	12° 8	1° 1	24°18	13° 5	14°47	8° 0	7°38	16°54	18°12	28°45	n.a.	M21
T 22	3 35 25	23°44'44	24°19	5°20	13°24	1°14	24°28	13°10	14°49	8° 0	7°40	16°56	18° 9	28°52	n.a.	T 22
W23	3 39 22	24°46'00	7♌52	6°56	14°39	1°26	24°37	13°16	14°52	8° 1	7°41	16°57	18° 5	28°59	n.a.	W23
T 24	3 43 19	25°47'17	21°39	8°32	15°55	1°38	24°46	13°22	14°54	8° 2	7°42	16°R58	18° 2	29° 6	n.a.	T 24
F 25	3 47 15	26°48'34	5♍42	10° 7	17°10	1°50	24°56	13°27	14°57	8° 3	7°44	16°58	17°59	29°12	n.a.	F 25
S 26	3 51 12	27°49'51	19°58	11°42	18°26	2° 1	25° 5	13°33	15° 0	8° 4	7°45	16°57	17°56	29°19	n.a.	S 26
S 27	3 55 8	28°51'08	4♎27	13°16	19°41	2°11	25°14	13°39	15° 2	8° 4	7°47	16°55	17°53	29°26	n.a.	S 27
M28	3 59 5	29°52'26	19° 3	14°50	20°57	2°21	25°22	13°45	15° 5	8° 5	7°48	16°53	17°49	29°32	n.a.	M28
T 29	4 3 1	0♐53'44	3♏40	16°23	22°12	2°30	25°31	13°51	15° 8	8° 6	7°50	16°50	17°46	29°39	n.a.	T 29
W30	4 6 58	1♐55'02	18♏13	17♐55	23♏28	2♌38	25♍40	13♑57	15♑10	8♍ 6	7♑51	16♐49	17♐43	29♓46	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s27	13s37	4s 5	12s54	0s35	5s36	1n15	23n22	1n58	4n53	1n17	24s 0	0s43	23s34	0s33	10n19	1n36	30s47	7s13	23s12	23s20	3n16		n.a.
W 2	12 48	17 59	3 8	13 33	0 41	6 6	1 14	23 19	2 0	4 48	1 18	23 59	0 43	23 34	0 33	10 18	1 36	30 47	7 13	23 11	23 20	3 19		n.a.
T 3	13 9	21 8	2 0	14 11	0 47	6 37	1 12	23 17	2 1	4 44	1 18	23 59	0 43	23 34	0 33	10 18	1 36	30 47	7 13	23 11	23 20	3 21		n.a.
F 4	13 30	22 51	0 46	14 48	0 53	7 7	1 11	23 15	2 3	4 40	1 18	23 59	0 43	23 34	0 33	10 17	1 36	30 47	7 13	23 11	23 19	3 24		n.a.
S 5	13 51	23 6	0n28	15 25	0 59	7 37	1 9	23 12	2 5	4 35	1 18	23 58	0 43	23 33	0 33	10 17	1 36	30 47	7 13	23 11	23 19	3 26		n.a.
S 6	14 11	21 59	1 39	16 1	1 5	8 7	1 7	23 10	2 7	4 31	1 18	23 58	0 43	23 33	0 33	10 16	1 36	30 46	7 13	23 11	23 19	3 29		n.a.
M 7	14 31	19 44	2 43	16 37	1 10	8 37	1 6	23 8	2 9	4 27	1 18	23 57	0 43	23 33	0 33	10 16	1 36	30 46	7 13	23 11	23 19	3 32		n.a.
T 8	14 51	16 35	3 37	17 11	1 16	9 6	1 4	23 6	2 11	4 23	1 18	23 57	0 43	23 33	0 33	10 16	1 36	30 46	7 13	23 11	23 18	3 34		n.a.
W 9	15 10	12 47	4 19	17 45	1 21	9 36	1 2	23 4	2 12	4 18	1 19	23 57	0 43	23 32	0 33	10 15	1 36	30 46	7 13	23 11	23 18	3 37		n.a.
T 10	15 30	8 33	4 49	18 18	1 26	10 5	1 0	23 2	2 14	4 14	1 19	23 56	0 43	23 32	0 33	10 15	1 36	30 46	7 13	23 11	23 18	3 39		n.a.
F 11	15 49	4 2	5 7	18 50	1 31	10 34	0 58	23 0	2 16	4 10	1 19	23 56	0 43	23 32	0 33	10 14	1 36	30 46	7 12	23 11	23 17	3 42		n.a.
S 12	16 7	0n35	5 11	19 22	1 35	11 2	0 56	22 58	2 18	4 6	1 19	23 55	0 43	23 32	0 33	10 14	1 36	30 45	7 12	23 10	23 17	3 45		n.a.
S 13	16 26	5 12	5 2	19 52	1 40	11 31	0 54	22 56	2 20	4 2	1 19	23 55	0 44	23 32	0 33	10 14	1 36	30 45	7 12	23 10	23 17	3 47		n.a.
M14	16 44	9 39	4 40	20 21	1 44	11 59	0 52	22 55	2 22	3 58	1 19	23 54	0 44	23 31	0 33	10 13	1 36	30 45	7 12	23 9	23 17	3 50		n.a.
T 15	17 2	13 46	4 5	20 50	1 48	12 26	0 50	22 53	2 24	3 54	1 20	23 54	0 44	23 31	0 33	10 13	1 36	30 45	7 12	23 8	23 16	3 52		n.a.
W16	17 20	17 22	3 19	21 17	1 52	12 54	0 48	22 52	2 26	3 50	1 20	23 53	0 44	23 31	0 33	10 13	1 37	30 45	7 12	23 8	23 16	3 55		n.a.
T 17	17 37	20 15	2 22	21 43	1 55	13 21	0 46	22 50	2 28	3 46	1 20	23 53	0 44	23 30	0 33	10 12	1 37	30 45	7 12	23 8	23 16	3 57		n.a.
F 18	17 54	22 13	1 19	22 8	1 58	13 48	0 44	22 49	2 30	3 43	1 20	23 52	0 44	23 30	0 33	10 12	1 37	30 45	7 12	23 7	23 16	4 0		n.a.
S 19	18 11	23 6	0 10	22 32	2 1	14 14	0 42	22 48	2 32	3 39	1 20	23 52	0 44	23 30	0 33	10 12	1 37	30 44	7 12	23 7	23 15	4 3		n.a.
S 20	18 27	22 45	1s 1	22 54	2 3	14 41	0 39	22 47	2 34	3 35	1 20	23 51	0 44	23 30	0 33	10 11	1 37	30 44	7 12	23 7	23 15	4 5		n.a.
M21	18 43	21 10	2 9	23 15	2 6	15 6	0 37	22 46	2 37	3 31	1 21	23 51	0 44	23 29	0 33	10 11	1 37	30 44	7 12	23 7	23 15	4 8		n.a.
T 22	18 58	18 25	3 12	23 35	2 7	15 32	0 35	22 45	2 39	3 28	1 21	23 50	0 44	23 29	0 33	10 11	1 37	30 44	7 12	23 8	23 14	4 10		n.a.
W23	19 14	14 37	4 5	23 53	2 8	15 56	0 33	22 44	2 41	3 24	1 21	23 50	0 44	23 29	0 33	10 10	1 37	30 44	7 11	23 8	23 14	4 13		n.a.
T 24	19 29	9 59	4 45	24 10	2 9	16 21	0 30	22 43	2 43	3 21	1 21	23 49	0 44	23 28	0 33	10 10	1 37	30 44	7 11	23 8	23 14	4 15		n.a.
F 25	19 43	4 46	5 9	24 25	2 10	16 45	0 28	22 43	2 45	3 17	1 21	23 49	0 44	23 28	0 33	10 10	1 37	30 43	7 11	23 8	23 14	4 18		n.a.
S 26	19 57	0s47	5 15	24 38	2 9	17 9	0 26	22 43	2 48	3 14	1 22	23 48	0 44	23 28	0 33	10 10	1 37	30 43	7 11	23 8	23 13	4 20		n.a.
S 27	20 11	6 23	5 1	24 50	2 9	17 32	0 23	22 42	2 50	3 10	1 22	23 48	0 44	23 28	0 33	10 10	1 37	30 43	7 11	23 7	23 13	4 23		n.a.
M28	20 25	11 40	4 27	25 0	2 7	17 55	0 21	22 42	2 52	3 7	1 22	23 47	0 44	23 27	0 33	10 9	1 37	30 43	7 11	23 7	23 13	4 25		n.a.
T 29	20 38	16 18	3 36	25 9	2 5	18 17	0 19	22 42	2 54	3 3	1 22	23 46	0 44	23 27	0 33	10 9	1 37	30 43	7 11	23 7	23 12	4 28		n.a.
W30	20s50	19s55	2s31	25s15	2s 3	18s38	0n16	22n43	2n57	3n 0	1n22	23s46	0s44	23s27	0s33	10n 9	1n37	30s43	7s11	23s 7	23s12	4n31		n.a.

Julian Day Number = 1470070.5, Delta T = 05h31m45s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'40, Lahiri = -13°27'39 Julian Calendar 1 Nov. 689 BCE == Greg. Calendar 25 Oct. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 689 BCE
geocentric

DECEMBER 689 BCE (-688) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 10 54	2♐56'20	2♐35	19♐26	24♏43	2♌46	25♍48	14♑ 3	15♑13	8♍ 7	7♑53	16°R47	17♐40	29♓53	n.a.	T 1
F 2	4 14 51	3°57'37	16°40	20°56	25°59	2°53	25°57	14° 9	15°16	8° 7	7°54	16°D47	17°37	29°59	n.a.	F 2
S 3	4 18 48	4°58'55	0♑24	22°23	27°14	3° 0	26° 5	14°15	15°19	8° 8	7°56	16♐47	17°34	0♈ 6	n.a.	S 3
S 4	4 22 44	6° 0'12	13°46	23°49	28°30	3° 5	26°13	14°22	15°21	8° 8	7°58	16°48	17°30	0°13	n.a.	S 4
M 5	4 26 41	7° 1'28	26°45	25°11	29°45	3°10	26°21	14°28	15°24	8° 9	7°59	16°49	17°27	0°19	n.a.	M 5
T 6	4 30 37	8° 2'44	9♒24	26°31	1♐ 1	3°15	26°29	14°34	15°27	8° 9	8° 1	16°50	17°24	0°26	n.a.	T 6
W 7	4 34 34	9° 3'58	21°44	27°46	2°16	3°19	26°36	14°41	15°30	8° 9	8° 2	16°51	17°21	0°33	n.a.	W 7
T 8	4 38 30	10° 5'12	3♓50	28°57	3°32	3°22	26°44	14°47	15°33	8°10	8° 4	16°51	17°18	0°40	n.a.	T 8
F 9	4 42 27	11° 6'26	15°47	0♑ 4	4°47	3°24	26°51	14°54	15°36	8°10	8° 6	16°R51	17°15	0°46	n.a.	F 9
S 10	4 46 24	12° 7'38	27°40	1° 4	6° 3	3°26	26°59	15° 0	15°39	8°10	8° 7	16°51	17°11	0°53	n.a.	S 10
S 11	4 50 20	13° 8'50	9♈32	1°57	7°18	3°26	27° 6	15° 7	15°42	8°10	8° 9	16°51	17° 8	1° 0	n.a.	S 11
M12	4 54 17	14°10'01	21°29	2°43	8°33	3°R27	27°13	15°13	15°45	8°11	8°11	16°50	17° 5	1° 6	n.a.	M12
T 13	4 58 13	15°11'11	3♉34	3°20	9°49	3°26	27°20	15°20	15°48	8°11	8°12	16°50	17° 2	1°13	n.a.	T 13
W14	5 2 10	16°12'20	15°51	3°48	11° 4	3°25	27°26	15°27	15°51	8°11	8°14	16°50	16°59	1°20	n.a.	W14
T 15	5 6 6	17°13'28	28°21	4° 6	12°19	3°22	27°33	15°33	15°55	8°11	8°16	16°D50	16°55	1°27	n.a.	T 15
F 16	5 10 3	18°14'35	11♊ 7	4°R13	13°35	3°20	27°39	15°40	15°58	8°11	8°18	16°R50	16°52	1°33	n.a.	F 16
S 17	5 13 59	19°15'42	24° 8	4° 9	14°50	3°16	27°45	15°47	16° 1	8°R11	8°19	16°50	16°49	1°40	n.a.	S 17
S 18	5 17 56	20°16'47	7♋24	3°53	16° 5	3°11	27°52	15°54	16° 4	8°11	8°21	16°50	16°46	1°47	n.a.	S 18
M19	5 21 53	21°17'52	20°55	3°25	17°21	3° 6	27°57	16° 1	16° 7	8°11	8°23	16°49	16°43	1°54	n.a.	M19
T 20	5 25 49	22°18'56	4♌38	2°47	18°36	3° 0	28° 3	16° 8	16°11	8°11	8°25	16°49	16°40	2° 0	n.a.	T 20
W21	5 29 46	23°19'59	18°31	1°58	19°51	2°53	28° 9	16°15	16°14	8°11	8°26	16°48	16°36	2° 7	n.a.	W21
T 22	5 33 42	24°21'02	2♍32	1° 0	21° 7	2°46	28°14	16°22	16°17	8°11	8°28	16°47	16°33	2°14	n.a.	T 22
F 23	5 37 39	25°22'03	16°39	29♐54	22°22	2°37	28°20	16°29	16°20	8°10	8°30	16°47	16°30	2°20	n.a.	F 23
S 24	5 41 35	26°23'04	0♎49	28°44	23°37	2°28	28°25	16°36	16°24	8°10	8°32	16°D47	16°27	2°27	n.a.	S 24
S 25	5 45 32	27°24'04	15° 1	27°30	24°52	2°18	28°30	16°43	16°27	8°10	8°33	16°47	16°24	2°34	n.a.	S 25
M26	5 49 28	28°25'04	29°13	26°15	26° 8	2° 7	28°35	16°50	16°30	8°10	8°35	16°48	16°21	2°41	n.a.	M26
T 27	5 53 25	29°26'02	13♏21	25° 1	27°23	1°55	28°39	16°57	16°34	8° 9	8°37	16°49	16°17	2°47	n.a.	T 27
W28	5 57 22	0♑26'59	27°24	23°50	28°38	1°43	28°44	17° 4	16°37	8° 9	8°39	16°50	16°14	2°54	n.a.	W28
T 29	6 1 18	1°27'56	11♐17	22°44	29°53	1°30	28°48	17°11	16°40	8° 8	8°41	16°R51	16°11	3° 1	n.a.	T 29
F 30	6 5 15	2°28'51	24°59	21°44	1♑ 9	1°16	28°52	17°18	16°44	8° 8	8°42	16°50	16° 8	3° 7	n.a.	F 30
S 31	6 9 11	3♑29'45	8♑26	20♐51	2♑24	1♌ 1	28♍56	17♑26	16♑47	8♍ 8	8♑44	16♐50	16♐ 5	3♈14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21s 2	22s14	1s18	25s20	1s59	19s 0	0n14	22n43	2n59	2n57	1n23	23s45	0s44	23s26	0s33	10n 9	1n37	30s43	7s11	23s 7	23s12	4n33			n.a.
F 2	21 14	23 7	0 1	25 23	1 55	19 20	0 12	22 44	3 1	2 54	1 23	23 45	0 44	23 26	0 33	10 9	1 37	30 42	7 11	23 7	23 11	4 36			n.a.
S 3	21 26	22 32	1n15	25 23	1 50	19 40	0 9	22 44	3 4	2 51	1 23	23 44	0 44	23 26	0 33	10 9	1 38	30 42	7 11	23 7	23 11	4 38			n.a.
S 4	21 37	20 40	2 24	25 22	1 45	20 0	0 7	22 45	3 6	2 48	1 23	23 43	0 44	23 25	0 33	10 8	1 38	30 42	7 11	23 7	23 11	4 41			n.a.
M 5	21 47	17 46	3 24	25 19	1 38	20 19	0 4	22 47	3 8	2 45	1 23	23 43	0 44	23 25	0 33	10 8	1 38	30 42	7 11	23 7	23 11	4 43			n.a.
T 6	21 58	14 6	4 12	25 14	1 30	20 37	0 2	22 48	3 11	2 42	1 24	23 42	0 44	23 25	0 33	10 8	1 38	30 42	7 11	23 7	23 10	4 46			n.a.
W 7	22 7	9 56	4 47	25 7	1 22	20 55	0s 0	22 49	3 13	2 39	1 24	23 41	0 44	23 24	0 33	10 8	1 38	30 42	7 11	23 7	23 10	4 48			n.a.
T 8	22 17	5 27	5 9	24 58	1 12	21 12	0 3	22 51	3 16	2 36	1 24	23 41	0 44	23 24	0 33	10 8	1 38	30 42	7 11	23 7	23 10	4 51			n.a.
F 9	22 25	0 49	5 17	24 48	1 1	21 29	0 5	22 53	3 18	2 33	1 24	23 40	0 44	23 23	0 33	10 8	1 38	30 41	7 11	23 7	23 9	4 53			n.a.
S 10	22 34	3n49	5 11	24 36	0 49	21 45	0 8	22 55	3 21	2 31	1 25	23 39	0 44	23 23	0 33	10 8	1 38	30 41	7 11	23 7	23 9	4 56			n.a.
S 11	22 42	8 18	4 53	24 22	0 36	22 0	0 10	22 57	3 23	2 28	1 25	23 38	0 44	23 23	0 33	10 8	1 38	30 41	7 11	23 7	23 9	4 58			n.a.
M12	22 49	12 31	4 21	24 7	0 22	22 15	0 12	22 59	3 26	2 25	1 25	23 38	0 44	23 22	0 33	10 8	1 38	30 41	7 11	23 7	23 8	5 1			n.a.
T 13	22 56	16 17	3 38	23 51	0 7	22 29	0 15	23 2	3 28	2 23	1 25	23 37	0 44	23 22	0 33	10 8	1 38	30 41	7 11	23 7	23 8	5 3			n.a.
W14	23 3	19 25	2 44	23 34	0n 9	22 42	0 17	23 4	3 31	2 20	1 25	23 36	0 44	23 22	0 33	10 8	1 38	30 41	7 11	23 7	23 8	5 6			n.a.
T 15	23 9	21 43	1 41	23 16	0 26	22 55	0 19	23 7	3 33	2 18	1 26	23 35	0 44	23 21	0 33	10 8	1 38	30 41	7 11	23 7	23 7	5 8			n.a.
F 16	23 15	22 57	0 32	22 58	0 44	23 7	0 22	23 10	3 35	2 15	1 26	23 35	0 44	23 21	0 33	10 8	1 38	30 41	7 11	23 7	23 7	5 11			n.a.
S 17	23 20	22 58	0s40	22 40	1 3	23 18	0 24	23 14	3 38	2 13	1 26	23 34	0 45	23 20	0 33	10 8	1 38	30 40	7 11	23 7	23 7	5 13			n.a.
S 18	23 25	21 42	1 52	22 21	1 22	23 28	0 26	23 17	3 40	2 11	1 26	23 33	0 45	23 20	0 33	10 8	1 38	30 40	7 11	23 7	23 7	5 16			n.a.
M19	23 29	19 12	2 58	22 3	1 41	23 38	0 28	23 21	3 43	2 9	1 27	23 32	0 45	23 20	0 33	10 8	1 39	30 40	7 11	23 7	23 6	5 18			n.a.
T 20	23 33	15 34	3 55	21 45	2 0	23 47	0 31	23 25	3 45	2 7	1 27	23 32	0 45	23 19	0 33	10 8	1 39	30 40	7 11	23 7	23 6	5 21			n.a.
W21	23 36	11 4	4 39	21 28	2 18	23 56	0 33	23 29	3 48	2 5	1 27	23 31	0 45	23 19	0 33	10 8	1 39	30 40	7 11	23 7	23 6	5 23			n.a.
T 22	23 39	5 57	5 7	21 12	2 35	24 3	0 35	23 33	3 50	2 3	1 27	23 30	0 45	23 18	0 33	10 9	1 39	30 40	7 11	23 7	23 5	5 26			n.a.
F 23	23 42	0 29	5 17	20 56	2 50	24 10	0 37	23 37	3 53	2 1	1 28	23 29	0 45	23 18	0 33	10 9	1 39	30 40	7 11	23 7	23 5	5 28			n.a.
S 24	23 44	5s 1	5 7	20 42	3 4	24 17	0 39	23 42	3 55	1 59	1 28	23 28	0 45	23 18	0 33	10 9	1 39	30 40	7 11	23 7	23 5	5 31			n.a.
S 25	23 45	10 17	4 39	20 29	3 16	24 22	0 41	23 46	3 57	1 57	1 28	23 27	0 45	23 17	0 33	10 9	1 39	30 40	7 11	23 7	23 4	5 33			n.a.
M26	23 46	14 59	3 54	20 18	3 25	24 27	0 43	23 51	4 0	1 55	1 28	23 27	0 45	23 17	0 33	10 9	1 39	30 40	7 11	23 7	23 4	5 36			n.a.
T 27	23 47	18 51	2 55	20 9	3 32	24 30	0 45	23 56	4 2	1 54	1 29	23 26	0 45	23 16	0 33	10 9	1 39	30 39	7 11	23 7	23 4	5 38			n.a.
W28	23 47	21 34	1 46	20 1	3 37	24 34	0 47	24 1	4 4	1 52	1 29	23 25	0 45	23 16	0 33	10 10	1 39	30 39	7 11	23 7	23 3	5 41			n.a.
T 29	23 46	22 57	0 31	19 56	3 39	24 36	0 49	24 6	4 6	1 51	1 29	23 24	0 45	23 16	0 33	10 10	1 39	30 39	7 11	23 7	23 3	5 43			n.a.
F 30	23 45	22 56	0n45	19 52	3 39	24 38	0 51	24 12	4 9	1 49	1 29	23 23	0 45	23 15	0 33	10 10	1 39	30 39	7 11	23 7	23 3	5 46			n.a.
S 31	23s44	21s34	1n56	19s51	3n37	24s38	0s53	24n17	4n11	1n48	1n30	23s22	0s45	23s15	0s33	10n10	1n39	30s39	7s11	23s 7	23s 2	5n48			n.a.

Julian Day Number = 1470100.5, Delta T = 05h31m44s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'35, Lahiri = -13°27'35 Julian Calendar 1 Dec. 689 BCE == Greg. Calendar 24 Nov. 689 BCE

The year -688 astronomical counting style corresponds to year 689 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

JANUARY 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 13 8	4♑30'38	21♑37	20°R 7	3♑39	0°R46	29♍ 0	17♑33	16♑51	8°R 7	8♑46	16°R48	16♐ 1	3♈21	n.a.	S 1
M 2	6 17 4	5°31'29	4♒31	19♐30	4°54	0♌29	29° 4	17°40	16°54	8♍ 7	8°48	16♐45	15°58	3°28	n.a.	M 2
T 3	6 21 1	6°32'18	17° 7	19° 2	6° 9	0°13	29° 7	17°47	16°57	8° 6	8°50	16°42	15°55	3°34	n.a.	T 3
W 4	6 24 58	7°33'06	29°28	18°42	7°25	29♋55	29°10	17°54	17° 1	8° 5	8°51	16°39	15°52	3°41	n.a.	W 4
T 5	6 28 54	8°33'52	11♓36	18°31	8°40	29°37	29°14	18° 2	17° 4	8° 5	8°53	16°36	15°49	3°48	n.a.	T 5
F 6	6 32 51	9°34'37	23°35	18°D27	9°55	29°18	29°16	18° 9	17° 8	8° 4	8°55	16°34	15°46	3°54	n.a.	F 6
S 7	6 36 47	10°35'19	5♈28	18°30	11°10	28°59	29°19	18°16	17°11	8° 3	8°57	16°D32	15°42	4° 1	n.a.	S 7
S 8	6 40 44	11°36'00	17°20	18°40	12°25	28°39	29°22	18°24	17°15	8° 3	8°59	16°32	15°39	4° 8	n.a.	S 8
M 9	6 44 40	12°36'39	29°16	18°57	13°40	28°18	29°24	18°31	17°18	8° 2	9° 1	16°33	15°36	4°15	n.a.	M 9
T 10	6 48 37	13°37'16	11♉21	19°19	14°55	27°58	29°26	18°38	17°22	8° 1	9° 2	16°35	15°33	4°21	n.a.	T 10
W11	6 52 33	14°37'51	23°40	19°47	16°10	27°36	29°28	18°46	17°25	8° 0	9° 4	16°37	15°30	4°28	n.a.	W11
T 12	6 56 30	15°38'25	6♊16	20°20	17°25	27°14	29°30	18°53	17°29	8° 0	9° 6	16°38	15°27	4°35	n.a.	T 12
F 13	7 0 27	16°38'57	19°12	20°58	18°40	26°52	29°32	19° 0	17°32	7°59	9° 8	16°R39	15°23	4°42	n.a.	F 13
S 14	7 4 23	17°39'26	2♋29	21°40	19°55	26°30	29°33	19° 8	17°36	7°58	9°10	16°38	15°20	4°48	n.a.	S 14
S 15	7 8 20	18°39'54	16° 8	22°26	21°10	26° 7	29°34	19°15	17°39	7°57	9°11	16°35	15°17	4°55	n.a.	S 15
M16	7 12 16	19°40'21	0♌ 6	23°15	22°25	25°44	29°35	19°22	17°42	7°56	9°13	16°31	15°14	5° 2	n.a.	M16
T 17	7 16 13	20°40'45	14°18	24° 8	23°40	25°20	29°36	19°30	17°46	7°55	9°15	16°26	15°11	5° 8	n.a.	T 17
W18	7 20 9	21°41'08	28°41	25° 4	24°55	24°57	29°37	19°37	17°49	7°54	9°17	16°20	15° 7	5°15	n.a.	W18
T 19	7 24 6	22°41'29	13♍ 7	26° 3	26°10	24°33	29°38	19°44	17°53	7°53	9°19	16°15	15° 4	5°22	n.a.	T 19
F 20	7 28 2	23°41'48	27°32	27° 4	27°25	24°10	29°38	19°52	17°56	7°52	9°20	16°11	15° 1	5°29	n.a.	F 20
S 21	7 31 59	24°42'06	11♎51	28° 8	28°40	23°46	29°R38	19°59	18° 0	7°51	9°22	16° 9	14°58	5°35	n.a.	S 21
S 22	7 35 56	25°42'22	26° 2	29°14	29°55	23°22	29°38	20° 6	18° 3	7°50	9°24	16°D 8	14°55	5°42	n.a.	S 22
M23	7 39 52	26°42'37	10♏ 2	0♑23	1♒ 9	22°58	29°38	20°14	18° 7	7°49	9°26	16° 8	14°52	5°49	n.a.	M23
T 24	7 43 49	27°42'50	23°50	1°33	2°24	22°35	29°37	20°21	18°10	7°48	9°27	16°10	14°48	5°55	n.a.	T 24
W25	7 47 45	28°43'02	7♐28	2°46	3°39	22°11	29°37	20°28	18°14	7°46	9°29	16°11	14°45	6° 2	n.a.	W25
T 26	7 51 42	29°43'12	20°54	4° 0	4°54	21°48	29°36	20°36	18°17	7°45	9°31	16°R11	14°42	6° 9	n.a.	T 26
F 27	7 55 38	0♒43'20	4♑10	5°16	6° 9	21°24	29°35	20°43	18°20	7°44	9°33	16°10	14°39	6°16	n.a.	F 27
S 28	7 59 35	1°43'26	17°13	6°33	7°24	21° 2	29°34	20°50	18°24	7°43	9°34	16° 6	14°36	6°22	n.a.	S 28
S 29	8 3 31	2°43'30	0♒ 5	7°53	8°38	20°39	29°32	20°57	18°27	7°42	9°36	16° 0	14°33	6°29	n.a.	S 29
M30	8 7 28	3°43'32	12°45	9°13	9°53	20°17	29°31	21° 5	18°31	7°40	9°38	15°52	14°29	6°36	n.a.	M30
T 31	8 11 25	4♒43'32	25♒13	10♑35	11♒ 8	19♋55	29♍29	21♑12	18♑34	7♍39	9♑39	15♐43	14♐26	6♈42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	19s 3	3n 0	19s52	3n33	24s38	0s55	24n23	4n13	1n47	1n30	23s21	0s45	23s14	0s33	10n10	1n39	30s39	7s11	23s 7	23s 2	5n51		n.a.
M 2	23 40	15 38	3 53	19 54	3 28	24 38	0 57	24 28	4 15	1 45	1 30	23 20	0 45	23 14	0 33	10 11	1 39	30 39	7 11	23 6	23 2	5 53		n.a.
T 3	23 37	11 34	4 34	19 59	3 21	24 36	0 58	24 34	4 17	1 44	1 31	23 20	0 45	23 13	0 33	10 11	1 39	30 39	7 11	23 6	23 1	5 56		n.a.
W 4	23 33	7 8	5 1	20 5	3 13	24 34	1 0	24 40	4 19	1 43	1 31	23 19	0 45	23 13	0 33	10 11	1 40	30 39	7 11	23 6	23 1	5 58		n.a.
T 5	23 30	2 29	5 13	20 13	3 4	24 31	1 2	24 45	4 20	1 42	1 31	23 18	0 46	23 12	0 33	10 12	1 40	30 39	7 11	23 5	23 1	6 1		n.a.
F 6	23 26	2n11	5 12	20 22	2 55	24 27	1 3	24 51	4 22	1 41	1 31	23 17	0 46	23 12	0 33	10 12	1 40	30 39	7 11	23 5	23 0	6 3		n.a.
S 7	23 21	6 44	4 58	20 32	2 45	24 23	1 5	24 57	4 24	1 40	1 32	23 16	0 46	23 12	0 33	10 12	1 40	30 39	7 11	23 5	23 0	6 5		n.a.
S 8	23 16	11 3	4 30	20 43	2 34	24 17	1 7	25 3	4 25	1 40	1 32	23 15	0 46	23 11	0 33	10 12	1 40	30 39	7 12	23 5	23 0	6 8		n.a.
M 9	23 10	14 58	3 51	20 56	2 23	24 11	1 8	25 9	4 27	1 39	1 32	23 14	0 46	23 11	0 33	10 13	1 40	30 38	7 12	23 5	22 59	6 10		n.a.
T 10	23 4	18 19	3 2	21 8	2 12	24 5	1 9	25 14	4 28	1 38	1 32	23 13	0 46	23 10	0 33	10 13	1 40	30 38	7 12	23 5	22 59	6 13		n.a.
W11	22 58	20 56	2 3	21 22	2 1	23 57	1 11	25 20	4 30	1 38	1 33	23 12	0 46	23 10	0 33	10 14	1 40	30 38	7 12	23 6	22 59	6 15		n.a.
T 12	22 51	22 35	0 57	21 35	1 50	23 49	1 12	25 26	4 31	1 37	1 33	23 11	0 46	23 9	0 33	10 14	1 40	30 38	7 12	23 6	22 58	6 18		n.a.
F 13	22 43	23 6	0s14	21 49	1 39	23 40	1 13	25 31	4 32	1 37	1 33	23 10	0 46	23 9	0 33	10 14	1 40	30 38	7 12	23 6	22 58	6 20		n.a.
S 14	22 36	22 20	1 26	22 3	1 28	23 30	1 15	25 37	4 33	1 36	1 34	23 9	0 46	23 8	0 33	10 15	1 40	30 38	7 12	23 6	22 57	6 23		n.a.
S 15	22 27	20 14	2 34	22 17	1 17	23 20	1 16	25 42	4 34	1 36	1 34	23 8	0 46	23 8	0 33	10 15	1 40	30 38	7 12	23 5	22 57	6 25		n.a.
M16	22 19	16 55	3 35	22 30	1 6	23 9	1 17	25 48	4 35	1 36	1 34	23 7	0 46	23 8	0 33	10 15	1 40	30 38	7 12	23 5	22 57	6 27		n.a.
T 17	22 10	12 34	4 24	22 43	0 55	22 57	1 18	25 53	4 36	1 36	1 34	23 6	0 46	23 7	0 33	10 16	1 40	30 38	7 12	23 4	22 56	6 30		n.a.
W18	22 0	7 28	4 56	22 56	0 45	22 44	1 19	25 58	4 36	1 36	1 35	23 5	0 46	23 7	0 33	10 16	1 40	30 38	7 12	23 4	22 56	6 32		n.a.
T 19	21 50	1 57	5 10	23 8	0 35	22 31	1 20	26 3	4 37	1 36	1 35	23 4	0 46	23 6	0 33	10 17	1 40	30 38	7 13	23 3	22 56	6 35		n.a.
F 20	21 40	3s39	5 5	23 20	0 25	22 17	1 21	26 8	4 37	1 36	1 35	23 3	0 47	23 6	0 33	10 17	1 40	30 38	7 13	23 3	22 55	6 37		n.a.
S 21	21 29	9 2	4 40	23 31	0 15	22 3	1 21	26 12	4 37	1 36	1 35	23 2	0 47	23 5	0 33	10 18	1 40	30 38	7 13	23 3	22 55	6 40		n.a.
S 22	21 18	13 53	3 59	23 41	0 5	21 48	1 22	26 17	4 38	1 36	1 36	23 1	0 47	23 5	0 33	10 18	1 40	30 38	7 13	23 3	22 55	6 42		n.a.
M23	21 7	17 55	3 4	23 51	0s 4	21 32	1 23	26 21	4 38	1 37	1 36	23 0	0 47	23 4	0 33	10 19	1 41	30 38	7 13	23 3	22 54	6 44		n.a.
T 24	20 55	20 54	1 58	23 59	0 13	21 15	1 23	26 25	4 38	1 37	1 36	22 59	0 47	23 4	0 33	10 19	1 41	30 38	7 13	23 3	22 54	6 47		n.a.
W25	20 42	22 38	0 47	24 7	0 22	20 58	1 24	26 29	4 38	1 38	1 36	22 58	0 47	23 3	0 33	10 19	1 41	30 38	7 13	23 3	22 54	6 49		n.a.
T 26	20 30	23 2	0n26	24 13	0 30	20 40	1 24	26 33	4 37	1 38	1 37	22 57	0 47	23 3	0 33	10 20	1 41	30 38	7 13	23 3	22 53	6 52		n.a.
F 27	20 17	22 7	1 36	24 19	0 38	20 22	1 25	26 36	4 37	1 39	1 37	22 56	0 47	23 2	0 33	10 20	1 41	30 38	7 13	23 3	22 53	6 54		n.a.
S 28	20 3	20 1	2 40	24 23	0 46	20 3	1 25	26 39	4 37	1 40	1 37	22 55	0 47	23 2	0 33	10 21	1 41	30 38	7 14	23 2	22 52	6 56		n.a.
S 29	19 50	16 56	3 34	24 26	0 54	19 44	1 26	26 43	4 36	1 40	1 38	22 54	0 47	23 2	0 33	10 22	1 41	30 38	7 14	23 2	22 52	6 59		n.a.
M30	19 36	13 6	4 17	24 28	1 1	19 24	1 26	26 45	4 35	1 41	1 38	22 53	0 47	23 1	0 33	10 22	1 41	30 38	7 14	23 1	22 52	7 1		n.a.
T 31	19s21	8s48	4n47	24s29	1s 8	19s 3	1s26	26n48	4n35	1n42	1n38	22s52	0s47	23s 1	0s33	10n23	1n41	30s38	7s14	23s 0	22s51	7n 4		n.a.

Julian Day Number = 1470131.5, Delta T = 05h31m42s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'31, Lahiri = -13°27'31 Julian Calendar 1 Jan. 688 BCE == Greg. Calendar 25 Dec. 689 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

FEBRUARY 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 15 21	5♒43'30	7♓29	11♑59	12♒22	19°R34	29°R27	21♑19	18♑37	7°R38	9♑41	15°R33	14♐23	6♈49	n.a.	W 1
T 2	8 19 18	6°43'26	19°34	13°24	13°37	19♋13	29♍25	21°26	18°41	7♍36	9°43	15♐24	14°20	6°56	n.a.	T 2
F 3	8 23 14	7°43'19	1♈31	14°50	14°52	18°52	29°22	21°33	18°44	7°35	9°44	15°16	14°17	7° 3	n.a.	F 3
S 4	8 27 11	8°43'10	13°23	16°18	16° 7	18°32	29°20	21°41	18°47	7°34	9°46	15°10	14°13	7° 9	n.a.	S 4
S 5	8 31 7	9°42'59	25°13	17°46	17°21	18°13	29°17	21°48	18°51	7°32	9°48	15° 7	14°10	7°16	n.a.	S 5
M 6	8 35 4	10°42'46	7♉ 7	19°17	18°36	17°54	29°14	21°55	18°54	7°31	9°49	15°D 6	14° 7	7°23	n.a.	M 6
T 7	8 39 0	11°42'30	19°10	20°48	19°50	17°36	29°11	22° 2	18°57	7°29	9°51	15° 6	14° 4	7°29	n.a.	T 7
W 8	8 42 57	12°42'12	1♊26	22°21	21° 5	17°19	29° 8	22° 9	19° 0	7°28	9°52	15° 7	14° 1	7°36	n.a.	W 8
T 9	8 46 53	13°41'51	14° 1	23°54	22°19	17° 2	29° 5	22°16	19° 4	7°26	9°54	15°R 7	13°58	7°43	n.a.	T 9
F 10	8 50 50	14°41'28	26°59	25°30	23°34	16°46	29° 1	22°23	19° 7	7°25	9°56	15° 7	13°54	7°50	n.a.	F 10
S 11	8 54 47	15°41'03	10♋24	27° 6	24°48	16°31	28°57	22°30	19°10	7°23	9°57	15° 4	13°51	7°56	n.a.	S 11
S 12	8 58 43	16°40'35	24°15	28°44	26° 3	16°16	28°53	22°37	19°13	7°22	9°59	14°59	13°48	8° 3	n.a.	S 12
M13	9 2 40	17°40'06	8♌31	0♒22	27°17	16° 2	28°49	22°44	19°16	7°20	10° 0	14°51	13°45	8°10	n.a.	M13
T 14	9 6 36	18°39'33	23° 8	2° 2	28°32	15°49	28°45	22°51	19°20	7°19	10° 2	14°42	13°42	8°16	n.a.	T 14
W15	9 10 33	19°38'59	7♍57	3°44	29°46	15°36	28°41	22°58	19°23	7°17	10° 3	14°32	13°39	8°23	n.a.	W15
T 16	9 14 29	20°38'23	22°52	5°27	1♓ 1	15°25	28°36	23° 4	19°26	7°16	10° 5	14°22	13°35	8°30	n.a.	T 16
F 17	9 18 26	21°37'44	7♎41	7°10	2°15	15°14	28°32	23°11	19°29	7°14	10° 6	14°14	13°32	8°36	n.a.	F 17
S 18	9 22 22	22°37'04	22°20	8°56	3°29	15° 4	28°27	23°18	19°32	7°13	10° 7	14° 8	13°29	8°43	n.a.	S 18
S 19	9 26 19	23°36'22	6♏41	10°42	4°44	14°54	28°22	23°25	19°35	7°11	10° 9	14° 5	13°26	8°50	n.a.	S 19
M20	9 30 16	24°35'38	20°43	12°30	5°58	14°46	28°17	23°31	19°38	7°10	10°10	14°D 4	13°23	8°57	n.a.	M20
T 21	9 34 12	25°34'52	4♐26	14°19	7°12	14°38	28°11	23°38	19°41	7° 8	10°12	14° 4	13°19	9° 3	n.a.	T 21
W22	9 38 9	26°34'04	17°52	16°10	8°26	14°31	28° 6	23°45	19°44	7° 6	10°13	14°R 4	13°16	9°10	n.a.	W22
T 23	9 42 5	27°33'15	1♑ 1	18° 2	9°41	14°25	28° 0	23°51	19°47	7° 5	10°14	14° 3	13°13	9°17	n.a.	T 23
F 24	9 46 2	28°32'23	13°56	19°55	10°55	14°19	27°54	23°58	19°50	7° 3	10°16	14° 0	13°10	9°23	n.a.	F 24
S 25	9 49 58	29°31'30	26°40	21°50	12° 9	14°15	27°49	24° 4	19°53	7° 1	10°17	13°54	13° 7	9°30	n.a.	S 25
S 26	9 53 55	0♓30'34	9♒13	23°46	13°23	14°11	27°43	24°11	19°55	7° 0	10°18	13°44	13° 4	9°37	n.a.	S 26
M27	9 57 51	1°29'37	21°37	25°43	14°37	14° 8	27°37	24°17	19°58	6°58	10°19	13°33	13° 0	9°44	n.a.	M27
T 28	10 1 48	2♓28'37	3♓51	27♒42	15♓51	14♋ 6	27♍30	24♑23	20♑ 1	6♍57	10♑21	13♐19	12♐57	9♈50	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s 6	4s12	5n 3	24s28	1s15	18s42	1s26	26n50	4n34	1n43	1n38	22s51	0s48	23s 0	0s33	10n23	1n41	30s38	7s14	22s59	22s51	7n 6		n.a.
T 2	18 51	0n29	5 5	24 26	1 21	18 21	1 26	26 53	4 33	1 44	1 39	22 50	0 48	23 0	0 33	10 24	1 41	30 38	7 14	22 58	22 51	7 8		n.a.
F 3	18 36	5 6	4 54	24 22	1 27	17 59	1 26	26 54	4 32	1 46	1 39	22 49	0 48	22 59	0 33	10 24	1 41	30 38	7 14	22 57	22 50	7 11		n.a.
S 4	18 20	9 29	4 30	24 18	1 32	17 36	1 26	26 56	4 30	1 47	1 39	22 47	0 48	22 59	0 33	10 25	1 41	30 38	7 15	22 56	22 50	7 13		n.a.
S 5	18 4	13 31	3 55	24 11	1 37	17 13	1 26	26 58	4 29	1 48	1 39	22 46	0 48	22 58	0 33	10 25	1 41	30 38	7 15	22 56	22 49	7 16		n.a.
M 6	17 48	17 3	3 9	24 3	1 42	16 49	1 26	26 59	4 28	1 49	1 40	22 45	0 48	22 58	0 33	10 26	1 41	30 38	7 15	22 56	22 49	7 18		n.a.
T 7	17 31	19 55	2 14	23 54	1 47	16 25	1 26	27 0	4 27	1 51	1 40	22 44	0 48	22 57	0 33	10 26	1 41	30 38	7 15	22 56	22 49	7 20		n.a.
W 8	17 14	21 55	1 13	23 43	1 51	16 1	1 25	27 1	4 25	1 52	1 40	22 43	0 48	22 57	0 33	10 27	1 41	30 38	7 15	22 56	22 48	7 23		n.a.
T 9	16 57	22 54	0 6	23 30	1 54	15 36	1 25	27 2	4 23	1 54	1 40	22 42	0 48	22 57	0 33	10 28	1 41	30 38	7 15	22 56	22 48	7 25		n.a.
F 10	16 39	22 42	1s 3	23 16	1 58	15 11	1 24	27 2	4 22	1 56	1 40	22 41	0 48	22 56	0 33	10 28	1 41	30 38	7 16	22 56	22 48	7 27		n.a.
S 11	16 22	21 12	2 11	23 0	2 1	14 45	1 24	27 3	4 20	1 57	1 41	22 40	0 49	22 56	0 33	10 29	1 41	30 38	7 16	22 56	22 47	7 30		n.a.
S 12	16 4	18 24	3 13	22 43	2 3	14 19	1 23	27 3	4 18	1 59	1 41	22 39	0 49	22 55	0 33	10 29	1 41	30 38	7 16	22 55	22 47	7 32		n.a.
M13	15 45	14 27	4 5	22 24	2 5	13 53	1 23	27 3	4 17	2 1	1 41	22 38	0 49	22 55	0 33	10 30	1 41	30 39	7 16	22 54	22 46	7 35		n.a.
T 14	15 27	9 34	4 42	22 3	2 7	13 26	1 22	27 2	4 15	2 3	1 41	22 37	0 49	22 54	0 33	10 31	1 41	30 39	7 16	22 53	22 46	7 37		n.a.
W15	15 8	4 3	5 1	21 40	2 8	12 59	1 21	27 2	4 13	2 5	1 42	22 36	0 49	22 54	0 33	10 31	1 41	30 39	7 17	22 52	22 46	7 39		n.a.
T 16	14 49	1s42	5 0	21 15	2 9	12 31	1 20	27 2	4 11	2 7	1 42	22 35	0 49	22 53	0 33	10 32	1 41	30 39	7 17	22 51	22 45	7 42		n.a.
F 17	14 30	7 20	4 38	20 49	2 9	12 3	1 19	27 1	4 9	2 9	1 42	22 34	0 49	22 53	0 33	10 32	1 41	30 39	7 17	22 50	22 45	7 44		n.a.
S 18	14 10	12 29	3 59	20 21	2 9	11 35	1 18	27 0	4 7	2 11	1 42	22 33	0 49	22 53	0 33	10 33	1 41	30 39	7 17	22 49	22 44	7 46		n.a.
S 19	13 50	16 50	3 5	19 51	2 8	11 7	1 17	26 59	4 5	2 13	1 42	22 32	0 49	22 52	0 33	10 34	1 41	30 39	7 17	22 49	22 44	7 49		n.a.
M20	13 31	20 7	2 1	19 19	2 7	10 38	1 16	26 58	4 3	2 16	1 43	22 31	0 50	22 52	0 33	10 34	1 42	30 39	7 18	22 49	22 44	7 51		n.a.
T 21	13 10	22 10	0 51	18 46	2 5	10 9	1 15	26 57	4 1	2 18	1 43	22 29	0 50	22 51	0 33	10 35	1 42	30 39	7 18	22 49	22 43	7 53		n.a.
W22	12 50	22 53	0n20	18 10	2 3	9 40	1 14	26 56	3 59	2 20	1 43	22 28	0 50	22 51	0 33	10 36	1 42	30 39	7 18	22 49	22 43	7 56		n.a.
T 23	12 30	22 18	1 29	17 33	2 0	9 10	1 13	26 54	3 57	2 23	1 43	22 27	0 50	22 51	0 33	10 36	1 42	30 39	7 18	22 49	22 42	7 58		n.a.
F 24	12 9	20 32	2 31	16 54	1 57	8 40	1 11	26 53	3 54	2 25	1 43	22 26	0 50	22 50	0 33	10 37	1 42	30 39	7 18	22 48	22 42	8 0		n.a.
S 25	11 48	17 46	3 25	16 13	1 53	8 11	1 10	26 51	3 52	2 28	1 43	22 25	0 50	22 50	0 33	10 37	1 42	30 40	7 19	22 47	22 42	8 3		n.a.
S 26	11 27	14 13	4 8	15 30	1 49	7 40	1 9	26 49	3 50	2 30	1 44	22 24	0 50	22 49	0 33	10 38	1 42	30 40	7 19	22 46	22 41	8 5		n.a.
M27	11 6	10 6	4 39	14 45	1 44	7 10	1 7	26 47	3 48	2 33	1 44	22 23	0 50	22 49	0 33	10 39	1 42	30 40	7 19	22 45	22 41	8 7		n.a.
T 28	10s44	5s39	4n56	13s59	1s39	6s40	1s 6	26n45	3n46	2n35	1n44	22s22	0s50	22s49	0s33	10n39	1n42	30s40	7s19	22s43	22s40	8n10		n.a.

Julian Day Number = 1470162.5, Delta T = 05h31m41s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'27, Lahiri = -13°27'27 Julian Calendar 1 Feb. 688 BCE == Greg. Calendar 25 Jan. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

MARCH 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 5 44	3♓27'35	15♓58	29♒41	17♓ 6	14°R 4	27°R24	24♑30	20♑ 4	6°R55	10♑22	13°R 5	12♐54	9♈57	n.a.	W 1
T 2	10 9 41	4°26'31	27°57	1♓42	18°20	14♋ 3	27♍17	24°36	20° 6	6♍53	10°23	12♐52	12°51	10° 4	n.a.	T 2
F 3	10 13 38	5°25'24	9♈51	3°44	19°34	14°D 3	27°11	24°42	20° 9	6°52	10°24	12°40	12°48	10°10	n.a.	F 3
S 4	10 17 34	6°24'16	21°41	5°47	20°48	14° 4	27° 4	24°48	20°12	6°50	10°25	12°31	12°44	10°17	n.a.	S 4
S 5	10 21 31	7°23'05	3♉30	7°51	22° 2	14° 6	26°57	24°54	20°14	6°48	10°27	12°24	12°41	10°24	n.a.	S 5
M 6	10 25 27	8°21'52	15°23	9°56	23°16	14° 8	26°51	25° 0	20°17	6°47	10°28	12°20	12°38	10°31	n.a.	M 6
T 7	10 29 24	9°20'36	27°24	12° 1	24°30	14°11	26°44	25° 6	20°20	6°45	10°29	12°19	12°35	10°37	n.a.	T 7
W 8	10 33 20	10°19'18	9♊37	14° 7	25°43	14°14	26°37	25°12	20°22	6°43	10°30	12°18	12°32	10°44	n.a.	W 8
T 9	10 37 17	11°17'58	22° 8	16°13	26°57	14°19	26°30	25°18	20°25	6°42	10°31	12°18	12°29	10°51	n.a.	T 9
F 10	10 41 13	12°16'36	5♋ 3	18°19	28°11	14°24	26°22	25°24	20°27	6°40	10°32	12°17	12°25	10°57	n.a.	F 10
S 11	10 45 10	13°15'11	18°25	20°24	29°25	14°29	26°15	25°30	20°30	6°38	10°33	12°14	12°22	11° 4	n.a.	S 11
S 12	10 49 7	14°13'44	2♌16	22°29	0♈39	14°36	26° 8	25°35	20°32	6°37	10°34	12° 9	12°19	11°11	n.a.	S 12
M13	10 53 3	15°12'14	16°37	24°33	1°53	14°43	26° 1	25°41	20°34	6°35	10°35	12° 0	12°16	11°17	n.a.	M13
T 14	10 57 0	16°10'42	1♍24	26°35	3° 6	14°50	25°53	25°47	20°37	6°34	10°36	11°50	12°13	11°24	n.a.	T 14
W15	11 0 56	17° 9'09	16°28	28°36	4°20	14°58	25°46	25°52	20°39	6°32	10°37	11°39	12°10	11°31	n.a.	W15
T 16	11 4 53	18° 7'33	1♎41	0♈35	5°34	15° 7	25°38	25°58	20°41	6°30	10°38	11°28	12° 6	11°38	n.a.	T 16
F 17	11 8 49	19° 5'55	16°52	2°31	6°47	15°17	25°31	26° 3	20°43	6°29	10°38	11°19	12° 3	11°44	n.a.	F 17
S 18	11 12 46	20° 4'16	1♏50	4°25	8° 1	15°27	25°23	26° 8	20°45	6°27	10°39	11°12	12° 0	11°51	n.a.	S 18
S 19	11 16 42	21° 2'34	16°28	6°16	9°14	15°37	25°15	26°14	20°48	6°26	10°40	11° 8	11°57	11°58	n.a.	S 19
M20	11 20 39	22° 0'52	0♐43	8° 4	10°28	15°49	25° 8	26°19	20°50	6°24	10°41	11° 7	11°54	12° 4	n.a.	M20
T 21	11 24 35	22°59'07	14°32	9°49	11°41	16° 0	25° 0	26°24	20°52	6°22	10°42	11°D 6	11°50	12°11	n.a.	T 21
W22	11 28 32	23°57'21	27°57	11°29	12°55	16°13	24°52	26°29	20°54	6°21	10°42	11°R 6	11°47	12°18	n.a.	W22
T 23	11 32 29	24°55'34	11♑ 1	13° 7	14° 8	16°25	24°45	26°34	20°56	6°19	10°43	11° 5	11°44	12°25	n.a.	T 23
F 24	11 36 25	25°53'44	23°47	14°40	15°22	16°39	24°37	26°39	20°58	6°18	10°44	11° 3	11°41	12°31	n.a.	F 24
S 25	11 40 22	26°51'54	6♒18	16° 9	16°35	16°52	24°30	26°44	20°59	6°16	10°45	10°57	11°38	12°38	n.a.	S 25
S 26	11 44 18	27°50'01	18°38	17°34	17°49	17° 7	24°22	26°48	21° 1	6°15	10°45	10°49	11°35	12°45	n.a.	S 26
M27	11 48 15	28°48'07	0♓49	18°54	19° 2	17°22	24°14	26°53	21° 3	6°13	10°46	10°38	11°31	12°51	n.a.	M27
T 28	11 52 11	29°46'11	12°52	20°10	20°15	17°37	24° 7	26°58	21° 5	6°12	10°46	10°26	11°28	12°58	n.a.	T 28
W29	11 56 8	0♈44'14	24°50	21°22	21°29	17°53	23°59	27° 2	21° 7	6°10	10°47	10°13	11°25	13° 5	n.a.	W29
T 30	12 0 4	1°42'14	6♈44	22°29	22°42	18° 9	23°51	27° 7	21° 8	6° 9	10°47	10° 0	11°22	13°11	n.a.	T 30
F 31	12 4 1	2♈40'13	18♈35	23♈31	23♈55	18♋26	23♍44	27♑11	21♑10	6♍ 7	10♑48	9♐49	11♐19	13♈18	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10s23	1s 1	5n 0	13s11	1s33	6s 9	1s 4	26n43	3n43	2n38	1n44	22s21	0s51	22s48	0s33	10n40	1n42	30s40	7s19	22s41	22s40	8n12		n.a.
T 2	10 1	3n36	4 50	12 21	1 26	5 38	1 2	26 41	3 41	2 41	1 44	22 20	0 51	22 48	0 33	10 41	1 42	30 40	7 20	22 40	22 40	8 14		n.a.
F 3	9 39	8 2	4 27	11 30	1 19	5 7	1 1	26 39	3 39	2 44	1 44	22 19	0 51	22 47	0 33	10 41	1 42	30 40	7 20	22 38	22 39	8 17		n.a.
S 4	9 17	12 10	3 54	10 37	1 11	4 36	0 59	26 37	3 37	2 46	1 44	22 18	0 51	22 47	0 33	10 42	1 42	30 40	7 20	22 37	22 39	8 19		n.a.
S 5	8 55	15 50	3 10	9 43	1 3	4 5	0 57	26 34	3 34	2 49	1 44	22 17	0 51	22 47	0 33	10 42	1 42	30 40	7 20	22 36	22 38	8 21		n.a.
M 6	8 33	18 52	2 17	8 47	0 54	3 33	0 55	26 32	3 32	2 52	1 45	22 16	0 51	22 46	0 33	10 43	1 42	30 41	7 21	22 36	22 38	8 23		n.a.
T 7	8 11	21 7	1 18	7 51	0 45	3 2	0 53	26 29	3 30	2 55	1 45	22 15	0 51	22 46	0 33	10 44	1 42	30 41	7 21	22 35	22 37	8 26		n.a.
W 8	7 48	22 26	0 14	6 53	0 36	2 31	0 52	26 27	3 28	2 58	1 45	22 14	0 52	22 46	0 33	10 44	1 42	30 41	7 21	22 35	22 37	8 28		n.a.
T 9	7 26	22 41	0s52	5 54	0 26	1 59	0 50	26 24	3 25	3 1	1 45	22 13	0 52	22 45	0 33	10 45	1 42	30 41	7 21	22 35	22 37	8 30		n.a.
F 10	7 3	21 44	1 57	4 55	0 15	1 27	0 48	26 21	3 23	3 4	1 45	22 12	0 52	22 45	0 34	10 46	1 42	30 41	7 22	22 35	22 36	8 33		n.a.
S 11	6 40	19 33	2 58	3 55	0 4	0 56	0 45	26 18	3 21	3 7	1 45	22 11	0 52	22 45	0 34	10 46	1 42	30 41	7 22	22 35	22 36	8 35		n.a.
S 12	6 17	16 11	3 51	2 55	0n 7	0 24	0 43	26 15	3 19	3 10	1 45	22 11	0 52	22 44	0 34	10 47	1 42	30 42	7 22	22 34	22 35	8 37		n.a.
M13	5 55	11 45	4 32	1 56	0 18	0n 8	0 41	26 12	3 16	3 13	1 45	22 10	0 52	22 44	0 34	10 47	1 42	30 42	7 22	22 33	22 35	8 39		n.a.
T 14	5 32	6 32	4 56	0 56	0 29	0 39	0 39	26 9	3 14	3 16	1 45	22 9	0 52	22 44	0 34	10 48	1 42	30 42	7 23	22 32	22 35	8 42		n.a.
W15	5 9	0 49	4 59	0n 3	0 40	1 11	0 37	26 6	3 12	3 19	1 45	22 8	0 52	22 43	0 34	10 49	1 42	30 42	7 23	22 30	22 34	8 44		n.a.
T 16	4 46	4s59	4 42	1 1	0 52	1 43	0 35	26 3	3 10	3 22	1 45	22 7	0 53	22 43	0 34	10 49	1 42	30 42	7 23	22 29	22 34	8 46		n.a.
F 17	4 22	10 29	4 5	1 59	1 3	2 14	0 32	26 0	3 8	3 25	1 45	22 6	0 53	22 43	0 34	10 50	1 42	30 42	7 23	22 27	22 33	8 49		n.a.
S 18	3 59	15 16	3 12	2 54	1 14	2 46	0 30	25 56	3 6	3 28	1 45	22 5	0 53	22 42	0 34	10 50	1 42	30 43	7 24	22 26	22 33	8 51		n.a.
S 19	3 36	19 1	2 6	3 49	1 25	3 17	0 27	25 53	3 4	3 31	1 45	22 4	0 53	22 42	0 34	10 51	1 42	30 43	7 24	22 26	22 32	8 53		n.a.
M20	3 13	21 29	0 55	4 42	1 35	3 49	0 25	25 50	3 1	3 34	1 45	22 3	0 53	22 42	0 34	10 52	1 42	30 43	7 24	22 25	22 32	8 55		n.a.
T 21	2 49	22 34	0n18	5 33	1 45	4 20	0 23	25 46	2 59	3 37	1 45	22 3	0 53	22 41	0 34	10 52	1 42	30 43	7 24	22 25	22 32	8 58		n.a.
W22	2 26	22 18	1 28	6 22	1 54	4 52	0 20	25 43	2 57	3 40	1 45	22 2	0 53	22 41	0 34	10 53	1 42	30 43	7 25	22 25	22 31	9 0		n.a.
T 23	2 3	20 48	2 31	7 8	2 3	5 23	0 18	25 39	2 55	3 43	1 45	22 1	0 54	22 41	0 34	10 53	1 42	30 43	7 25	22 25	22 31	9 2		n.a.
F 24	1 39	18 17	3 26	7 53	2 12	5 54	0 15	25 35	2 53	3 46	1 45	22 0	0 54	22 41	0 34	10 54	1 42	30 44	7 25	22 25	22 30	9 4		n.a.
S 25	1 16	14 57	4 9	8 35	2 19	6 25	0 13	25 31	2 51	3 49	1 45	21 59	0 54	22 40	0 34	10 54	1 42	30 44	7 25	22 24	22 30	9 7		n.a.
S 26	0 52	11 2	4 39	9 14	2 26	6 56	0 10	25 27	2 49	3 52	1 45	21 59	0 54	22 40	0 34	10 55	1 42	30 44	7 26	22 23	22 29	9 9		n.a.
M27	0 29	6 43	4 57	9 51	2 33	7 26	0 8	25 24	2 47	3 55	1 45	21 58	0 54	22 40	0 34	10 56	1 42	30 44	7 26	22 21	22 29	9 11		n.a.
T 28	0 6	2 12	5 1	10 25	2 38	7 57	0 5	25 20	2 45	3 58	1 45	21 57	0 54	22 40	0 34	10 56	1 42	30 45	7 26	22 20	22 29	9 13		n.a.
W29	0n18	2n22	4 52	10 57	2 43	8 27	0 2	25 15	2 43	4 1	1 45	21 56	0 55	22 39	0 34	10 57	1 42	30 45	7 26	22 18	22 28	9 16		n.a.
T 30	0 41	6 50	4 30	11 26	2 46	8 57	0n 0	25 11	2 41	4 4	1 45	21 56	0 55	22 39	0 34	10 57	1 42	30 45	7 27	22 16	22 28	9 18		n.a.
F 31	1n 5	11n 1	3n56	11n52	2n49	9n27	0n 3	25n 7	2n39	4n 7	1n45	21s55	0s55	22s39	0s34	10n58	1n42	30s45	7s27	22s14	22s27	9n20		n.a.

Julian Day Number = 1470190.5, Delta T = 05h31m39s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'23, Lahiri = -13°27'23 Julian Calendar 1 March 688 BCE == Greg. Calendar 22 Feb. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

APRIL 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 7 57	3♈38'10	0♉24	24♈29	25♈ 8	18♋43	23°R36	27♏16	21♏11	6°R 6	10♏48	9°R41	11♐15	13♈25	n.a.	S 1
S 2	12 11 54	4°36'06	12°15	25°22	26°21	19° 1	23♍29	27°20	21°13	6♍ 5	10°49	9♐35	11°12	13°32	n.a.	S 2
M 3	12 15 51	5°33'59	24° 9	26°10	27°35	19°19	23°22	27°24	21°14	6° 3	10°49	9°31	11° 9	13°38	n.a.	M 3
T 4	12 19 47	6°31'51	6♊11	26°53	28°48	19°37	23°14	27°28	21°16	6° 2	10°50	9°D30	11° 6	13°45	n.a.	T 4
W 5	12 23 44	7°29'41	18°25	27°31	0♉ 1	19°56	23° 7	27°32	21°17	6° 1	10°50	9°30	11° 3	13°52	n.a.	W 5
T 6	12 27 40	8°27'30	0♋55	28° 5	1°14	20°16	23° 0	27°36	21°19	5°59	10°50	9°31	11° 0	13°58	n.a.	T 6
F 7	12 31 37	9°25'16	13°47	28°33	2°27	20°35	22°53	27°40	21°20	5°58	10°51	9°R31	10°56	14° 5	n.a.	F 7
S 8	12 35 33	10°23'00	27° 3	28°56	3°40	20°55	22°46	27°44	21°21	5°57	10°51	9°30	10°53	14°12	n.a.	S 8
S 9	12 39 30	11°20'43	10♌48	29°14	4°53	21°16	22°39	27°47	21°22	5°55	10°51	9°26	10°50	14°18	n.a.	S 9
M10	12 43 26	12°18'24	25° 3	29°27	6° 5	21°37	22°32	27°51	21°24	5°54	10°52	9°21	10°47	14°25	n.a.	M10
T 11	12 47 23	13°16'03	9♍44	29°35	7°18	21°58	22°25	27°55	21°25	5°53	10°52	9°14	10°44	14°32	n.a.	T 11
W12	12 51 20	14°13'41	24°47	29°R38	8°31	22°20	22°18	27°58	21°26	5°52	10°52	9° 6	10°41	14°39	n.a.	W12
T 13	12 55 16	15°11'16	10♎ 3	29°36	9°44	22°42	22°12	28° 1	21°27	5°50	10°52	8°58	10°37	14°45	n.a.	T 13
F 14	12 59 13	16° 8'51	25°21	29°30	10°57	23° 4	22° 5	28° 5	21°28	5°49	10°52	8°51	10°34	14°52	n.a.	F 14
S 15	13 3 9	17° 6'24	10♏30	29°19	12° 9	23°26	21°59	28° 8	21°29	5°48	10°52	8°46	10°31	14°59	n.a.	S 15
S 16	13 7 6	18° 3'56	25°21	29° 3	13°22	23°49	21°53	28°11	21°30	5°47	10°53	8°43	10°28	15° 5	n.a.	S 16
M17	13 11 2	19° 1'27	9♐47	28°44	14°34	24°13	21°47	28°14	21°30	5°46	10°53	8°D43	10°25	15°12	n.a.	M17
T 18	13 14 59	19°58'58	23°47	28°22	15°47	24°36	21°40	28°17	21°31	5°45	10°53	8°43	10°21	15°19	n.a.	T 18
W19	13 18 55	20°56'27	7♑19	27°56	17° 0	25° 0	21°35	28°20	21°32	5°44	10°R53	8°44	10°18	15°25	n.a.	W19
T 20	13 22 52	21°53'55	20°27	27°28	18°12	25°24	21°29	28°22	21°33	5°43	10°53	8°R45	10°15	15°32	n.a.	T 20
F 21	13 26 49	22°51'22	3♒12	26°57	19°25	25°49	21°23	28°25	21°33	5°42	10°53	8°44	10°12	15°39	n.a.	F 21
S 22	13 30 45	23°48'48	15°40	26°25	20°37	26°13	21°18	28°27	21°34	5°41	10°53	8°42	10° 9	15°46	n.a.	S 22
S 23	13 34 42	24°46'14	27°54	25°51	21°49	26°38	21°12	28°30	21°34	5°40	10°52	8°38	10° 6	15°52	n.a.	S 23
M24	13 38 38	25°43'38	9♓58	25°17	23° 2	27° 4	21° 7	28°32	21°35	5°39	10°52	8°32	10° 2	15°59	n.a.	M24
T 25	13 42 35	26°41'01	21°55	24°44	24°14	27°29	21° 2	28°35	21°35	5°38	10°52	8°25	9°59	16° 6	n.a.	T 25
W26	13 46 31	27°38'24	3♈48	24°10	25°26	27°55	20°57	28°37	21°36	5°37	10°52	8°17	9°56	16°12	n.a.	W26
T 27	13 50 28	28°35'46	15°38	23°38	26°39	28°21	20°52	28°39	21°36	5°36	10°52	8°10	9°53	16°19	n.a.	T 27
F 28	13 54 24	29°33'07	27°28	23° 8	27°51	28°48	20°47	28°41	21°36	5°35	10°52	8° 4	9°50	16°26	n.a.	F 28
S 29	13 58 21	0♉30'26	9♉20	22°40	29° 3	29°14	20°43	28°43	21°37	5°35	10°51	7°59	9°47	16°32	n.a.	S 29
S 30	14 2 18	1♉27'45	21♉16	22♈15	0♊15	29♋41	20♍39	28♏44	21♏37	5♍34	10♏51	7♐55	9♐43	16♈39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n28	14n46	3n12	12n16	2n51	9n57	0n 6	25n 3	2n37	4n10	1n45	21s54	0s55	22s39	0s34	10n58	1n42	30s45	7s27	22s13	22s27	9n22		n.a.
S 2	1 51	17 57	2 20	12 36	2 52	10 26	0 8	24 58	2 35	4 13	1 45	21 53	0 55	22 38	0 34	10 59	1 42	30 46	7 27	22 12	22 26	9 24		n.a.
M 3	2 14	20 23	1 21	12 54	2 52	10 56	0 11	24 54	2 33	4 16	1 44	21 53	0 55	22 38	0 34	10 59	1 42	30 46	7 28	22 11	22 26	9 27		n.a.
T 4	2 38	21 56	0 18	13 9	2 50	11 24	0 14	24 49	2 32	4 19	1 44	21 52	0 56	22 38	0 34	11 0	1 41	30 46	7 28	22 11	22 25	9 29		n.a.
W 5	3 1	22 29	0s48	13 21	2 48	11 53	0 16	24 44	2 30	4 22	1 44	21 51	0 56	22 38	0 34	11 0	1 41	30 46	7 28	22 11	22 25	9 31		n.a.
T 6	3 24	21 54	1 52	13 30	2 45	12 22	0 19	24 40	2 28	4 24	1 44	21 51	0 56	22 38	0 34	11 1	1 41	30 47	7 29	22 11	22 24	9 33		n.a.
F 7	3 47	20 11	2 53	13 36	2 40	12 50	0 22	24 35	2 26	4 27	1 44	21 50	0 56	22 37	0 34	11 1	1 41	30 47	7 29	22 11	22 24	9 36		n.a.
S 8	4 10	17 21	3 46	13 39	2 35	13 18	0 24	24 30	2 24	4 30	1 44	21 50	0 56	22 37	0 34	11 2	1 41	30 47	7 29	22 11	22 24	9 38		n.a.
S 9	4 33	13 28	4 29	13 40	2 28	13 45	0 27	24 25	2 22	4 33	1 44	21 49	0 56	22 37	0 34	11 2	1 41	30 47	7 29	22 11	22 23	9 40		n.a.
M10	4 56	8 42	4 56	13 37	2 21	14 12	0 30	24 20	2 21	4 35	1 44	21 48	0 57	22 37	0 34	11 3	1 41	30 48	7 30	22 10	22 23	9 42		n.a.
T 11	5 19	3 19	5 6	13 32	2 12	14 39	0 32	24 14	2 19	4 38	1 43	21 48	0 57	22 37	0 35	11 3	1 41	30 48	7 30	22 9	22 22	9 44		n.a.
W12	5 41	2s24	4 54	13 24	2 2	15 5	0 35	24 9	2 17	4 40	1 43	21 47	0 57	22 37	0 35	11 3	1 41	30 48	7 30	22 8	22 22	9 47		n.a.
T 13	6 4	8 2	4 22	13 13	1 51	15 32	0 38	24 4	2 15	4 43	1 43	21 47	0 57	22 37	0 35	11 4	1 41	30 48	7 30	22 6	22 21	9 49		n.a.
F 14	6 26	13 12	3 31	12 59	1 39	15 57	0 40	23 58	2 14	4 45	1 43	21 46	0 57	22 36	0 35	11 4	1 41	30 49	7 31	22 5	22 21	9 51		n.a.
S 15	6 49	17 29	2 26	12 43	1 26	16 23	0 43	23 53	2 12	4 48	1 43	21 46	0 57	22 36	0 35	11 5	1 41	30 49	7 31	22 4	22 20	9 53		n.a.
S 16	7 11	20 31	1 11	12 25	1 12	16 48	0 45	23 47	2 10	4 50	1 43	21 45	0 58	22 36	0 35	11 5	1 41	30 49	7 31	22 4	22 20	9 55		n.a.
M17	7 33	22 8	0n 6	12 4	0 57	17 12	0 48	23 41	2 9	4 52	1 42	21 45	0 58	22 36	0 35	11 5	1 41	30 49	7 32	22 4	22 19	9 57		n.a.
T 18	7 55	22 17	1 20	11 41	0 42	17 36	0 51	23 35	2 7	4 54	1 42	21 45	0 58	22 36	0 35	11 6	1 41	30 50	7 32	22 4	22 19	10 0		n.a.
W19	8 17	21 6	2 28	11 17	0 25	18 0	0 53	23 29	2 5	4 57	1 42	21 44	0 58	22 36	0 35	11 6	1 41	30 50	7 32	22 4	22 19	10 2		n.a.
T 20	8 39	18 48	3 26	10 51	0 9	18 23	0 56	23 23	2 4	4 59	1 42	21 44	0 58	22 36	0 35	11 7	1 41	30 50	7 32	22 4	22 18	10 4		n.a.
F 21	9 1	15 38	4 12	10 24	0s 8	18 46	0 58	23 17	2 2	5 1	1 42	21 43	0 58	22 36	0 35	11 7	1 41	30 50	7 33	22 4	22 18	10 6		n.a.
S 22	9 22	11 50	4 44	9 57	0 25	19 8	1 1	23 11	2 1	5 3	1 41	21 43	0 59	22 36	0 35	11 7	1 41	30 51	7 33	22 4	22 17	10 8		n.a.
S 23	9 44	7 38	5 3	9 28	0 42	19 29	1 3	23 4	1 59	5 5	1 41	21 43	0 59	22 36	0 35	11 8	1 41	30 51	7 33	22 3	22 17	10 10		n.a.
M24	10 5	3 11	5 9	9 0	0 59	19 51	1 5	22 58	1 57	5 7	1 41	21 42	0 59	22 36	0 35	11 8	1 41	30 51	7 33	22 2	22 16	10 13		n.a.
T 25	10 26	1n20	5 0	8 32	1 16	20 11	1 8	22 51	1 56	5 9	1 41	21 42	0 59	22 36	0 35	11 8	1 41	30 52	7 34	22 1	22 16	10 15		n.a.
W26	10 47	5 47	4 39	8 4	1 32	20 32	1 10	22 44	1 54	5 10	1 40	21 42	0 59	22 36	0 35	11 8	1 41	30 52	7 34	22 0	22 15	10 17		n.a.
T 27	11 8	10 0	4 6	7 38	1 48	20 51	1 12	22 37	1 53	5 12	1 40	21 42	1 0	22 36	0 35	11 9	1 41	30 52	7 34	21 59	22 15	10 19		n.a.
F 28	11 28	13 51	3 22	7 13	2 3	21 10	1 15	22 30	1 51	5 14	1 40	21 41	1 0	22 36	0 35	11 9	1 41	30 52	7 34	21 58	22 14	10 21		n.a.
S 29	11 49	17 10	2 29	6 49	2 18	21 29	1 17	22 23	1 50	5 15	1 40	21 41	1 0	22 36	0 35	11 9	1 41	30 53	7 35	21 57	22 14	10 23		n.a.
S 30	12n 9	19n46	1n29	6n27	2s31	21n47	1n19	22n16	1n48	5n17	1n40	21s41	1s 0	22s36	0s35	11n10	1n41	30s53	7s35	21s56	22s13	10n25		n.a.

Julian Day Number = 1470221.5, Delta T = 05h31m38s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'19, Lahiri = -13°27'19 Julian Calendar 1 Apr. 688 BCE == Greg. Calendar 25 March 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

MAY 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 6 14	2♉25'03	3♊17	21°R53	1♊27	0♌ 8	20°R34	28♑46	21♑37	5°R33	10°R51	7°D54	9♐40	16♈46	n.a.	M 1
T 2	14 10 11	3°22'20	15°27	21♈34	2°39	0°36	20♍30	28°48	21°37	5♍32	10♑50	7♐54	9°37	16°52	n.a.	T 2
W 3	14 14 7	4°19'37	27°48	21°19	3°51	1° 3	20°26	28°49	21°37	5°32	10°50	7°55	9°34	16°59	n.a.	W 3
T 4	14 18 4	5°16'52	10♋23	21° 8	5° 3	1°31	20°23	28°51	21°R37	5°31	10°50	7°57	9°31	17° 6	n.a.	T 4
F 5	14 22 0	6°14'06	23°17	21° 2	6°15	2° 0	20°19	28°52	21°37	5°30	10°49	7°58	9°27	17°13	n.a.	F 5
S 6	14 25 57	7°11'19	6♌32	20°D59	7°27	2°28	20°16	28°53	21°37	5°30	10°49	7°R59	9°24	17°19	n.a.	S 6
S 7	14 29 53	8° 8'31	20°11	21° 1	8°39	2°56	20°13	28°54	21°37	5°29	10°48	7°58	9°21	17°26	n.a.	S 7
M 8	14 33 50	9° 5'41	4♍15	21° 8	9°51	3°25	20°10	28°55	21°37	5°29	10°48	7°57	9°18	17°33	n.a.	M 8
T 9	14 37 47	10° 2'51	18°43	21°19	11° 2	3°54	20° 7	28°56	21°36	5°28	10°47	7°54	9°15	17°39	n.a.	T 9
W10	14 41 43	11° 0'01	3♎32	21°35	12°14	4°23	20° 4	28°57	21°36	5°28	10°47	7°50	9°12	17°46	n.a.	W10
T 11	14 45 40	11°57'09	18°34	21°55	13°26	4°53	20° 1	28°58	21°36	5°27	10°46	7°47	9° 8	17°53	n.a.	T 11
F 12	14 49 36	12°54'17	3♏43	22°20	14°37	5°22	19°59	28°58	21°35	5°27	10°46	7°44	9° 5	17°59	n.a.	F 12
S 13	14 53 33	13°51'24	18°47	22°49	15°49	5°52	19°57	28°59	21°35	5°26	10°45	7°42	9° 2	18° 6	n.a.	S 13
S 14	14 57 29	14°48'31	3♐39	23°22	17° 0	6°22	19°55	28°59	21°35	5°26	10°45	7°D41	8°59	18°13	n.a.	S 14
M15	15 1 26	15°45'37	18°10	24° 0	18°12	6°53	19°53	28°59	21°34	5°26	10°44	7°41	8°56	18°20	n.a.	M15
T 16	15 5 22	16°42'44	2♑17	24°42	19°23	7°23	19°52	29° 0	21°34	5°26	10°43	7°42	8°52	18°26	n.a.	T 16
W17	15 9 19	17°39'50	15°57	25°28	20°34	7°53	19°50	29° 0	21°33	5°25	10°43	7°44	8°49	18°33	n.a.	W17
T 18	15 13 16	18°36'56	29°10	26°19	21°46	8°24	19°49	29°R 0	21°32	5°25	10°42	7°45	8°46	18°40	n.a.	T 18
F 19	15 17 12	19°34'02	12♒ 1	27°13	22°57	8°55	19°48	29° 0	21°32	5°25	10°41	7°46	8°43	18°46	n.a.	F 19
S 20	15 21 9	20°31'08	24°31	28°12	24° 8	9°26	19°47	28°59	21°31	5°25	10°40	7°R46	8°40	18°53	n.a.	S 20
S 21	15 25 5	21°28'14	6♓45	29°14	25°19	9°58	19°46	28°59	21°30	5°25	10°40	7°45	8°37	19° 0	n.a.	S 21
M22	15 29 2	22°25'20	18°47	0♉20	26°30	10°29	19°45	28°59	21°29	5°24	10°39	7°44	8°33	19° 6	n.a.	M22
T 23	15 32 58	23°22'26	0♈41	1°30	27°41	11° 1	19°45	28°58	21°28	5°24	10°38	7°42	8°30	19°13	n.a.	T 23
W24	15 36 55	24°19'32	12°32	2°43	28°52	11°33	19°45	28°58	21°27	5°24	10°37	7°40	8°27	19°20	n.a.	W24
T 25	15 40 52	25°16'38	24°22	4° 1	0♋ 3	12° 5	19°D45	28°57	21°26	5°D24	10°36	7°38	8°24	19°26	n.a.	T 25
F 26	15 44 48	26°13'45	6♉14	5°22	1°14	12°37	19°45	28°56	21°25	5°24	10°36	7°37	8°21	19°33	n.a.	F 26
S 27	15 48 45	27°10'51	18°11	6°46	2°25	13° 9	19°45	28°55	21°24	5°24	10°35	7°35	8°18	19°40	n.a.	S 27
S 28	15 52 41	28° 7'57	0♊16	8°15	3°36	13°42	19°46	28°54	21°23	5°24	10°34	7°35	8°14	19°47	n.a.	S 28
M29	15 56 38	29° 5'04	12°29	9°46	4°46	14°14	19°47	28°53	21°22	5°25	10°33	7°D35	8°11	19°53	n.a.	M29
T 30	16 0 34	0♊ 2'11	24°52	11°21	5°57	14°47	19°48	28°52	21°21	5°25	10°32	7°35	8° 8	20° 0	n.a.	T 30
W31	16 4 31	0♊59'17	7♋28	13♉ 0	7♋ 7	15♌20	19♍49	28♑51	21♑20	5♍25	10♑31	7♐36	8♐ 5	20♈ 7	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12n29	21n31	0n25	6n 7	2s43	22n 4	1n21	22n 9	1n47	5n18	1n39	21s41	1s 0	22s36	0s35	11n10	1n41	30s53	7s35	21s56	22s13	10n28			n.a.
T 2	12 49	22 17	0s41	5 50	2 55	22 21	1 23	22 1	1 45	5 20	1 39	21 41	1 0	22 36	0 35	11 10	1 41	30 54	7 36	21 56	22 12	10 30			n.a.
W 3	13 8	21 59	1 47	5 35	3 5	22 37	1 25	21 54	1 44	5 21	1 39	21 40	1 1	22 36	0 35	11 10	1 41	30 54	7 36	21 56	22 12	10 32			n.a.
T 4	13 28	20 34	2 48	5 22	3 14	22 53	1 27	21 46	1 42	5 22	1 38	21 40	1 1	22 36	0 35	11 10	1 41	30 54	7 36	21 57	22 11	10 34			n.a.
F 5	13 47	18 4	3 43	5 12	3 22	23 7	1 29	21 38	1 41	5 23	1 38	21 40	1 1	22 36	0 35	11 11	1 40	30 54	7 36	21 57	22 11	10 36			n.a.
S 6	14 6	14 35	4 28	5 5	3 29	23 22	1 31	21 30	1 40	5 24	1 38	21 40	1 1	22 36	0 35	11 11	1 40	30 55	7 37	21 57	22 10	10 38			n.a.
S 7	14 25	10 15	4 59	5 0	3 34	23 35	1 33	21 22	1 38	5 25	1 38	21 40	1 1	22 36	0 35	11 11	1 40	30 55	7 37	21 57	22 10	10 40			n.a.
M 8	14 44	5 14	5 13	4 59	3 39	23 48	1 35	21 14	1 37	5 26	1 37	21 40	1 2	22 36	0 35	11 11	1 40	30 55	7 37	21 57	22 9	10 42			n.a.
T 9	15 2	0s11	5 8	5 0	3 42	24 1	1 37	21 6	1 35	5 27	1 37	21 40	1 2	22 36	0 35	11 11	1 40	30 56	7 37	21 56	22 9	10 45			n.a.
W10	15 20	5 44	4 43	5 4	3 45	24 12	1 38	20 57	1 34	5 28	1 37	21 40	1 2	22 36	0 36	11 11	1 40	30 56	7 38	21 56	22 8	10 47			n.a.
T 11	15 38	11 2	3 58	5 10	3 46	24 23	1 40	20 49	1 33	5 29	1 37	21 40	1 2	22 36	0 36	11 12	1 40	30 56	7 38	21 55	22 8	10 49			n.a.
F 12	15 56	15 41	2 56	5 19	3 46	24 33	1 41	20 40	1 31	5 30	1 36	21 40	1 2	22 36	0 36	11 12	1 40	30 56	7 38	21 54	22 7	10 51			n.a.
S 13	16 13	19 17	1 42	5 31	3 45	24 43	1 43	20 31	1 30	5 30	1 36	21 40	1 3	22 36	0 36	11 12	1 40	30 57	7 38	21 54	22 7	10 53			n.a.
S 14	16 30	21 33	0 22	5 45	3 43	24 52	1 44	20 22	1 29	5 31	1 36	21 40	1 3	22 36	0 36	11 12	1 40	30 57	7 39	21 54	22 6	10 55			n.a.
M15	16 47	22 17	0n57	6 2	3 41	25 0	1 46	20 13	1 27	5 31	1 35	21 41	1 3	22 37	0 36	11 12	1 40	30 57	7 39	21 54	22 6	10 57			n.a.
T 16	17 4	21 34	2 11	6 20	3 37	25 7	1 47	20 4	1 26	5 31	1 35	21 41	1 3	22 37	0 36	11 12	1 40	30 58	7 39	21 54	22 5	10 59			n.a.
W17	17 20	19 34	3 16	6 41	3 33	25 14	1 48	19 55	1 25	5 32	1 35	21 41	1 3	22 37	0 36	11 12	1 40	30 58	7 39	21 54	22 5	11 1			n.a.
T 18	17 36	16 35	4 7	7 5	3 27	25 20	1 49	19 45	1 23	5 32	1 35	21 41	1 3	22 37	0 36	11 12	1 40	30 58	7 40	21 55	22 4	11 3			n.a.
F 19	17 52	12 53	4 45	7 30	3 22	25 26	1 50	19 36	1 22	5 32	1 34	21 41	1 4	22 37	0 36	11 12	1 40	30 59	7 40	21 55	22 4	11 5			n.a.
S 20	18 8	8 42	5 7	7 57	3 15	25 30	1 51	19 26	1 21	5 32	1 34	21 41	1 4	22 37	0 36	11 12	1 40	30 59	7 40	21 55	22 3	11 7			n.a.
S 21	18 23	4 17	5 16	8 26	3 8	25 34	1 52	19 16	1 19	5 32	1 34	21 42	1 4	22 37	0 36	11 12	1 40	30 59	7 40	21 55	22 3	11 10			n.a.
M22	18 38	0n15	5 10	8 57	3 0	25 37	1 53	19 7	1 18	5 32	1 33	21 42	1 4	22 38	0 36	11 12	1 40	30 59	7 40	21 54	22 2	11 12			n.a.
T 23	18 53	4 43	4 51	9 29	2 51	25 39	1 54	18 57	1 17	5 32	1 33	21 42	1 4	22 38	0 36	11 12	1 40	31 0	7 41	21 54	22 2	11 14			n.a.
W24	19 7	8 59	4 20	10 3	2 42	25 41	1 55	18 46	1 16	5 32	1 33	21 43	1 5	22 38	0 36	11 12	1 40	31 0	7 41	21 54	22 1	11 16			n.a.
T 25	19 21	12 56	3 37	10 38	2 33	25 42	1 55	18 36	1 14	5 32	1 32	21 43	1 5	22 38	0 36	11 12	1 40	31 0	7 41	21 53	22 1	11 18			n.a.
F 26	19 35	16 23	2 45	11 15	2 23	25 42	1 56	18 26	1 13	5 31	1 32	21 43	1 5	22 38	0 36	11 12	1 40	31 1	7 41	21 53	22 0	11 20			n.a.
S 27	19 48	19 10	1 45	11 53	2 12	25 42	1 56	18 15	1 12	5 31	1 32	21 44	1 5	22 38	0 36	11 12	1 39	31 1	7 42	21 53	22 0	11 22			n.a.
S 28	20 1	21 9	0 40	12 32	2 2	25 40	1 57	18 5	1 11	5 30	1 31	21 44	1 5	22 39	0 36	11 12	1 39	31 1	7 42	21 53	21 59	11 24			n.a.
M29	20 14	22 10	0s27	13 12	1 50	25 38	1 57	17 54	1 9	5 30	1 31	21 44	1 6	22 39	0 36	11 12	1 39	31 1	7 42	21 53	21 59	11 26			n.a.
T 30	20 27	22 6	1 34	13 53	1 39	25 35	1 57	17 43	1 8	5 29	1 31	21 45	1 6	22 39	0 36	11 12	1 39	31 2	7 42	21 53	21 58	11 28			n.a.
W31	20n39	20n56	2s38	14n34	1s27	25n32	1n57	17n32	1n 7	5n28	1n31	21s45	1s 6	22s39	0s36	11n11	1n39	31s 2	7s42	21s53	21s58	11n30			n.a.

Julian Day Number = 1470251.5, Delta T = 05h31m36s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'15, Lahiri = -13°27'14 Julian Calendar 1 May 688 BCE == Greg. Calendar 24 Apr. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

JUNE 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 8 27	1♊56'24	20♋18	14♉42	8♋18	15♌53	19♍50	28°R49	21°R18	5♍25	10°R30	7♐36	8♐ 2	20♈13	n.a.	T 1
F 2	16 12 24	2°53'30	3♌22	16°27	9°28	16°27	19°51	28♑48	21♑17	5°25	10♑29	7°37	7°58	20°20	n.a.	F 2
S 3	16 16 21	3°50'37	16°44	18°15	10°39	17° 0	19°53	28°46	21°16	5°26	10°28	7°37	7°55	20°27	n.a.	S 3
S 4	16 20 17	4°47'43	0♍23	20° 6	11°49	17°34	19°55	28°45	21°14	5°26	10°27	7°R37	7°52	20°33	n.a.	S 4
M 5	16 24 14	5°44'49	14°20	21°59	12°59	18° 7	19°57	28°43	21°13	5°26	10°26	7°37	7°49	20°40	n.a.	M 5
T 6	16 28 10	6°41'56	28°35	23°56	14° 9	18°41	19°59	28°41	21°11	5°27	10°25	7°37	7°46	20°47	n.a.	T 6
W 7	16 32 7	7°39'02	13♎ 5	25°55	15°19	19°15	20° 1	28°39	21°10	5°27	10°24	7°D37	7°43	20°53	n.a.	W 7
T 8	16 36 3	8°36'08	27°46	27°56	16°29	19°49	20° 4	28°37	21° 8	5°28	10°23	7°37	7°39	21° 0	n.a.	T 8
F 9	16 40 0	9°33'15	12♏33	29°59	17°39	20°24	20° 6	28°35	21° 7	5°28	10°21	7°37	7°36	21° 7	n.a.	F 9
S 10	16 43 56	10°30'22	27°19	2♊ 3	18°49	20°58	20° 9	28°33	21° 5	5°29	10°20	7°38	7°33	21°13	n.a.	S 10
S 11	16 47 53	11°27'30	11♐57	4° 9	19°59	21°33	20°12	28°31	21° 4	5°29	10°19	7°R38	7°30	21°20	n.a.	S 11
M12	16 51 50	12°24'38	26°20	6°16	21° 8	22° 7	20°15	28°28	21° 2	5°30	10°18	7°37	7°27	21°27	n.a.	M12
T 13	16 55 46	13°21'47	10♑24	8°24	22°18	22°42	20°19	28°26	21° 0	5°30	10°17	7°37	7°24	21°34	n.a.	T 13
W14	16 59 43	14°18'56	24° 5	10°32	23°28	23°17	20°22	28°23	20°58	5°31	10°16	7°36	7°20	21°40	n.a.	W14
T 15	17 3 39	15°16'06	7♒22	12°40	24°37	23°52	20°26	28°21	20°57	5°32	10°14	7°35	7°17	21°47	n.a.	T 15
F 16	17 7 36	16°13'17	20°16	14°48	25°46	24°27	20°30	28°18	20°55	5°32	10°13	7°35	7°14	21°54	n.a.	F 16
S 17	17 11 32	17°10'29	2♓49	16°55	26°55	25° 3	20°34	28°15	20°53	5°33	10°12	7°34	7°11	22° 0	n.a.	S 17
S 18	17 15 29	18° 7'42	15° 5	19° 2	28° 5	25°38	20°38	28°12	20°51	5°34	10°11	7°D33	7° 8	22° 7	n.a.	S 18
M19	17 19 26	19° 4'56	27° 8	21° 8	29°14	26°14	20°42	28° 9	20°49	5°35	10°10	7°34	7° 4	22°14	n.a.	M19
T 20	17 23 22	20° 2'11	9♈ 2	23°13	0♌23	26°50	20°46	28° 6	20°47	5°35	10° 8	7°34	7° 1	22°20	n.a.	T 20
W21	17 27 19	20°59'26	20°53	25°18	1°31	27°25	20°51	28° 3	20°45	5°36	10° 7	7°35	6°58	22°27	n.a.	W21
T 22	17 31 15	21°56'43	2♉44	27°20	2°40	28° 1	20°56	28° 0	20°43	5°37	10° 6	7°37	6°55	22°34	n.a.	T 22
F 23	17 35 12	22°54'02	14°40	29°22	3°49	28°37	21° 1	27°57	20°41	5°38	10° 5	7°38	6°52	22°40	n.a.	F 23
S 24	17 39 8	23°51'21	26°43	1♋22	4°57	29°14	21° 6	27°53	20°39	5°39	10° 3	7°39	6°49	22°47	n.a.	S 24
S 25	17 43 5	24°48'41	8♊58	3°20	6° 6	29°50	21°11	27°50	20°37	5°40	10° 2	7°R39	6°45	22°54	n.a.	S 25
M26	17 47 1	25°46'02	21°26	5°17	7°14	0♍26	21°17	27°46	20°35	5°41	10° 1	7°38	6°42	23° 0	n.a.	M26
T 27	17 50 58	26°43'25	4♋ 7	7°13	8°22	1° 3	21°22	27°43	20°33	5°42	9°59	7°37	6°39	23° 7	n.a.	T 27
W28	17 54 55	27°40'48	17° 4	9° 6	9°31	1°40	21°28	27°39	20°31	5°43	9°58	7°35	6°36	23°14	n.a.	W28
T 29	17 58 51	28°38'13	0♌15	10°59	10°39	2°17	21°34	27°36	20°29	5°44	9°57	7°32	6°33	23°20	n.a.	T 29
F 30	18 2 48	29♊35'38	13♌40	12♋49	11♌47	2♍53	21♍40	27♑32	20♑27	5♍45	9♑55	7♐29	6♐30	23♈27	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n50	18n40	3s35	15n16	1s16	25n28	1n57	17n21	1n 6	5n28	1n30	21s46	1s 6	22s40	0s36	11n11	1n39	31s 2	7s43	21s53	21s57	11n32		n.a.
F 2	21 2	15 25	4 23	15 58	1 4	25 23	1 57	17 9	1 5	5 27	1 30	21 46	1 6	22 40	0 36	11 11	1 39	31 3	7 43	21 53	21 57	11 34		n.a.
S 3	21 13	11 20	4 57	16 41	0 52	25 17	1 57	16 58	1 3	5 26	1 30	21 47	1 6	22 40	0 36	11 11	1 39	31 3	7 43	21 53	21 56	11 36		n.a.
S 4	21 24	6 35	5 15	17 23	0 40	25 11	1 57	16 47	1 2	5 25	1 29	21 47	1 7	22 40	0 36	11 11	1 39	31 3	7 43	21 53	21 56	11 38		n.a.
M 5	21 34	1 24	5 15	18 5	0 28	25 4	1 56	16 35	1 1	5 24	1 29	21 48	1 7	22 41	0 36	11 11	1 39	31 3	7 43	21 53	21 55	11 40		n.a.
T 6	21 44	3s57	4 56	18 46	0 16	24 56	1 56	16 23	1 0	5 23	1 29	21 48	1 7	22 41	0 36	11 11	1 39	31 4	7 44	21 53	21 55	11 42		n.a.
W 7	21 54	9 12	4 19	19 26	0 4	24 47	1 55	16 11	0 59	5 22	1 28	21 49	1 7	22 41	0 36	11 10	1 39	31 4	7 44	21 53	21 54	11 44		n.a.
T 8	22 3	13 59	3 24	20 5	0n 7	24 38	1 55	15 59	0 58	5 20	1 28	21 50	1 7	22 41	0 36	11 10	1 39	31 4	7 44	21 53	21 54	11 46		n.a.
F 9	22 12	17 57	2 15	20 43	0 18	24 29	1 54	15 47	0 57	5 19	1 28	21 50	1 8	22 42	0 36	11 10	1 39	31 5	7 44	21 53	21 53	11 48		n.a.
S 10	22 20	20 46	0 57	21 20	0 28	24 18	1 53	15 35	0 55	5 18	1 28	21 51	1 8	22 42	0 36	11 10	1 39	31 5	7 44	21 53	21 53	11 50		n.a.
S 11	22 28	22 9	0n24	21 54	0 39	24 7	1 52	15 23	0 54	5 16	1 27	21 51	1 8	22 42	0 37	11 9	1 39	31 5	7 44	21 53	21 52	11 52		n.a.
M12	22 36	22 2	1 42	22 27	0 48	23 55	1 51	15 10	0 53	5 15	1 27	21 52	1 8	22 42	0 37	11 9	1 39	31 5	7 45	21 53	21 52	11 54		n.a.
T 13	22 43	20 30	2 52	22 57	0 57	23 43	1 50	14 58	0 52	5 13	1 27	21 53	1 8	22 43	0 37	11 9	1 39	31 6	7 45	21 53	21 51	11 56		n.a.
W14	22 50	17 49	3 50	23 25	1 5	23 30	1 49	14 45	0 51	5 11	1 26	21 53	1 8	22 43	0 37	11 9	1 39	31 6	7 45	21 53	21 51	11 58		n.a.
T 15	22 57	14 16	4 34	23 50	1 13	23 16	1 47	14 32	0 50	5 10	1 26	21 54	1 9	22 43	0 37	11 8	1 39	31 6	7 45	21 53	21 50	12 0		n.a.
F 16	23 3	10 9	5 3	24 13	1 20	23 1	1 46	14 19	0 49	5 8	1 26	21 55	1 9	22 44	0 37	11 8	1 39	31 6	7 45	21 53	21 49	12 2		n.a.
S 17	23 9	5 42	5 16	24 33	1 26	22 47	1 45	14 6	0 48	5 6	1 26	21 56	1 9	22 44	0 37	11 8	1 38	31 7	7 45	21 53	21 49	12 4		n.a.
S 18	23 14	1 8	5 14	24 50	1 32	22 31	1 43	13 53	0 47	5 4	1 25	21 56	1 9	22 44	0 37	11 7	1 38	31 7	7 46	21 53	21 48	12 6		n.a.
M19	23 19	3n24	4 59	25 5	1 36	22 15	1 41	13 40	0 46	5 2	1 25	21 57	1 9	22 45	0 37	11 7	1 38	31 7	7 46	21 53	21 48	12 8		n.a.
T 20	23 24	7 46	4 30	25 16	1 41	21 58	1 39	13 26	0 44	5 0	1 25	21 58	1 9	22 45	0 37	11 7	1 38	31 7	7 46	21 53	21 47	12 10		n.a.
W21	23 28	11 49	3 51	25 25	1 44	21 41	1 37	13 13	0 43	4 58	1 24	21 59	1 10	22 45	0 37	11 6	1 38	31 8	7 46	21 53	21 47	12 12		n.a.
T 22	23 32	15 25	3 1	25 32	1 47	21 23	1 35	12 59	0 42	4 56	1 24	22 0	1 10	22 46	0 37	11 6	1 38	31 8	7 46	21 53	21 46	12 14		n.a.
F 23	23 35	18 26	2 4	25 35	1 49	21 5	1 33	12 46	0 41	4 53	1 24	22 0	1 10	22 46	0 37	11 6	1 38	31 8	7 46	21 53	21 46	12 16		n.a.
S 24	23 38	20 40	1 0	25 36	1 50	20 46	1 31	12 32	0 40	4 51	1 24	22 1	1 10	22 46	0 37	11 5	1 38	31 8	7 46	21 54	21 45	12 18		n.a.
S 25	23 40	21 59	0s 7	25 34	1 50	20 26	1 29	12 18	0 39	4 49	1 23	22 2	1 10	22 47	0 37	11 5	1 38	31 9	7 47	21 54	21 45	12 20		n.a.
M26	23 42	22 14	1 15	25 31	1 50	20 7	1 26	12 4	0 38	4 46	1 23	22 3	1 10	22 47	0 37	11 4	1 38	31 9	7 47	21 54	21 44	12 22		n.a.
T 27	23 44	21 22	2 21	25 24	1 50	19 46	1 24	11 50	0 37	4 44	1 23	22 4	1 11	22 47	0 37	11 4	1 38	31 9	7 47	21 53	21 44	12 24		n.a.
W28	23 45	19 21	3 21	25 16	1 49	19 25	1 21	11 36	0 36	4 41	1 22	22 5	1 11	22 48	0 37	11 3	1 38	31 9	7 47	21 53	21 43	12 26		n.a.
T 29	23 46	16 18	4 11	25 6	1 47	19 4	1 18	11 21	0 35	4 39	1 22	22 6	1 11	22 48	0 37	11 3	1 38	31 9	7 47	21 52	21 42	12 28		n.a.
F 30	23n47	12n22	4s48	24n53	1n45	18n42	1n15	11n 7	0n34	4n36	1n22	22s 6	1s11	22s48	0s37	11n 3	1n38	31s10	7s47	21s52	21s42	12n29		n.a.

Julian Day Number = 1470282.5, Delta T = 05h31m35s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'11, Lahiri = -13°27'10 Julian Calendar 1 June 688 BCE == Greg. Calendar 25 May 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

JULY 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 6 44	0♋33'04	27♌17	14♋38	12♌54	3♍31	21♍46	27°R28	20°R24	5♍46	9°R54	7°R26	6♐26	23♈34	n.a.	S 1
S 2	18 10 41	1°30'31	11♍ 7	16°26	14° 2	4° 8	21°52	27♑24	20♑22	5°48	9♑53	7♐24	6°23	23°41	n.a.	S 2
M 3	18 14 37	2°27'59	25° 6	18°12	15°10	4°45	21°59	27°20	20°20	5°49	9°51	7°22	6°20	23°47	n.a.	M 3
T 4	18 18 34	3°25'27	9♎14	19°56	16°17	5°22	22° 5	27°16	20°18	5°50	9°50	7°D22	6°17	23°54	n.a.	T 4
W 5	18 22 30	4°22'57	23°29	21°39	17°24	6° 0	22°12	27°12	20°15	5°51	9°49	7°23	6°14	24° 1	n.a.	W 5
T 6	18 26 27	5°20'28	7♏49	23°20	18°31	6°37	22°19	27° 8	20°13	5°53	9°47	7°25	6°10	24° 7	n.a.	T 6
F 7	18 30 24	6°17'59	22°11	25° 0	19°38	7°15	22°26	27° 4	20°11	5°54	9°46	7°26	6° 7	24°14	n.a.	F 7
S 8	18 34 20	7°15'32	6♐30	26°38	20°45	7°53	22°33	27° 0	20° 9	5°55	9°45	7°R27	6° 4	24°21	n.a.	S 8
S 9	18 38 17	8°13'06	20°44	28°14	21°52	8°31	22°40	26°56	20° 6	5°57	9°43	7°26	6° 1	24°27	n.a.	S 9
M10	18 42 13	9°10'42	4♑48	29°49	22°58	9° 9	22°47	26°52	20° 4	5°58	9°42	7°24	5°58	24°34	n.a.	M10
T 11	18 46 10	10° 8'18	18°38	1♌23	24° 5	9°47	22°55	26°47	20° 2	5°59	9°41	7°20	5°55	24°41	n.a.	T 11
W12	18 50 6	11° 5'56	2♒10	2°55	25°11	10°25	23° 3	26°43	19°59	6° 1	9°39	7°15	5°51	24°47	n.a.	W12
T 13	18 54 3	12° 3'36	15°22	4°25	26°17	11° 3	23°10	26°39	19°57	6° 2	9°38	7°10	5°48	24°54	n.a.	T 13
F 14	18 57 59	13° 1'17	28°15	5°54	27°23	11°42	23°18	26°34	19°55	6° 4	9°37	7° 4	5°45	25° 1	n.a.	F 14
S 15	19 1 56	13°59'00	10♓48	7°21	28°29	12°20	23°26	26°30	19°52	6° 5	9°35	6°59	5°42	25° 7	n.a.	S 15
S 16	19 5 53	14°56'45	23° 4	8°47	29°34	12°59	23°34	26°26	19°50	6° 7	9°34	6°55	5°39	25°14	n.a.	S 16
M17	19 9 49	15°54'31	5♈ 8	10°11	0♍39	13°38	23°43	26°21	19°47	6° 8	9°33	6°53	5°36	25°21	n.a.	M17
T 18	19 13 46	16°52'20	17° 2	11°33	1°45	14°17	23°51	26°17	19°45	6°10	9°31	6°D52	5°32	25°27	n.a.	T 18
W19	19 17 42	17°50'10	28°53	12°54	2°50	14°56	23°59	26°12	19°43	6°12	9°30	6°53	5°29	25°34	n.a.	W19
T 20	19 21 39	18°48'02	10♉44	14°13	3°54	15°35	24° 8	26° 8	19°40	6°13	9°29	6°54	5°26	25°41	n.a.	T 20
F 21	19 25 35	19°45'56	22°42	15°31	4°59	16°14	24°17	26° 3	19°38	6°15	9°27	6°56	5°23	25°47	n.a.	F 21
S 22	19 29 32	20°43'52	4♊51	16°46	6° 3	16°53	24°26	25°59	19°35	6°17	9°26	6°R57	5°20	25°54	n.a.	S 22
S 23	19 33 28	21°41'50	17°14	18° 0	7° 8	17°32	24°35	25°54	19°33	6°18	9°25	6°56	5°16	26° 1	n.a.	S 23
M24	19 37 25	22°39'50	29°54	19°12	8°12	18°12	24°44	25°49	19°31	6°20	9°23	6°54	5°13	26° 7	n.a.	M24
T 25	19 41 22	23°37'51	12♋54	20°21	9°15	18°51	24°53	25°45	19°28	6°22	9°22	6°49	5°10	26°14	n.a.	T 25
W26	19 45 18	24°35'55	26°12	21°29	10°19	19°31	25° 2	25°40	19°26	6°24	9°21	6°43	5° 7	26°21	n.a.	W26
T 27	19 49 15	25°34'00	9♌49	22°34	11°22	20°11	25°11	25°36	19°23	6°25	9°19	6°35	5° 4	26°28	n.a.	T 27
F 28	19 53 11	26°32'07	23°40	23°37	12°25	20°50	25°21	25°31	19°21	6°27	9°18	6°27	5° 1	26°34	n.a.	F 28
S 29	19 57 8	27°30'15	7♍43	24°38	13°28	21°30	25°30	25°26	19°19	6°29	9°17	6°19	4°57	26°41	n.a.	S 29
S 30	20 1 4	28°28'25	21°52	25°36	14°30	22°10	25°40	25°22	19°16	6°31	9°15	6°13	4°54	26°48	n.a.	S 30
M31	20 5 1	29♋26'37	6♎ 4	26♌31	15♍33	22♍50	25♍50	25♑17	19♑14	6♍33	9♑14	6♐ 9	4♐51	26♈54	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n47	7n45	5s 9	24n39	1n42	18n20	1n12	10n52	0n33	4n33	1n22	22s 7	1s11	22s49	0s37	11n 2	1n38	31s10	7s47	21s51	21s41	12n31		n.a.	S 1
S 2	23 46	2 40	5 14	24 23	1 39	17 57	1 9	10 38	0 32	4 31	1 21	22 8	1 11	22 49	0 37	11 2	1 38	31 10	7 47	21 51	21 41	12 33		n.a.	S 2
M 3	23 45	2s36	4 59	24 5	1 35	17 34	1 6	10 23	0 31	4 28	1 21	22 9	1 11	22 49	0 37	11 1	1 38	31 10	7 47	21 51	21 40	12 35		n.a.	M 3
T 4	23 44	7 48	4 27	23 46	1 31	17 11	1 3	10 8	0 30	4 25	1 21	22 10	1 12	22 50	0 37	11 1	1 38	31 11	7 48	21 51	21 40	12 37		n.a.	T 4
W 5	23 42	12 37	3 38	23 25	1 26	16 47	1 0	9 53	0 29	4 22	1 21	22 11	1 12	22 50	0 37	11 0	1 38	31 11	7 48	21 51	21 39	12 39		n.a.	W 5
T 6	23 40	16 45	2 35	23 4	1 21	16 23	0 56	9 38	0 28	4 19	1 20	22 12	1 12	22 50	0 37	11 0	1 38	31 11	7 48	21 51	21 39	12 41		n.a.	T 6
F 7	23 37	19 54	1 23	22 40	1 16	15 58	0 53	9 23	0 27	4 16	1 20	22 13	1 12	22 51	0 37	10 59	1 38	31 11	7 48	21 51	21 38	12 43		n.a.	F 7
S 8	23 34	21 47	0 5	22 16	1 10	15 33	0 49	9 8	0 26	4 13	1 20	22 14	1 12	22 51	0 37	10 59	1 38	31 11	7 48	21 52	21 37	12 45		n.a.	S 8
S 9	23 31	22 15	1n12	21 51	1 4	15 8	0 45	8 53	0 25	4 10	1 20	22 15	1 12	22 52	0 37	10 58	1 38	31 11	7 48	21 51	21 37	12 47		n.a.	S 9
M10	23 27	21 17	2 24	21 24	0 57	14 42	0 41	8 37	0 24	4 7	1 19	22 16	1 12	22 52	0 37	10 57	1 38	31 12	7 48	21 51	21 36	12 49		n.a.	M10
T 11	23 23	19 3	3 26	20 57	0 51	14 16	0 37	8 22	0 23	4 3	1 19	22 17	1 13	22 52	0 37	10 57	1 37	31 12	7 48	21 51	21 36	12 50		n.a.	T 11
W12	23 18	15 49	4 15	20 29	0 44	13 50	0 33	8 6	0 22	4 0	1 19	22 18	1 13	22 53	0 37	10 56	1 37	31 12	7 48	21 50	21 35	12 52		n.a.	W12
T 13	23 13	11 51	4 49	20 1	0 36	13 23	0 29	7 51	0 21	3 57	1 19	22 19	1 13	22 53	0 37	10 56	1 37	31 12	7 48	21 49	21 35	12 54		n.a.	T 13
F 14	23 8	7 27	5 7	19 31	0 29	12 57	0 25	7 35	0 20	3 53	1 18	22 20	1 13	22 53	0 37	10 55	1 37	31 12	7 48	21 48	21 34	12 56		n.a.	F 14
S 15	23 2	2 50	5 10	19 2	0 21	12 29	0 21	7 19	0 19	3 50	1 18	22 21	1 13	22 54	0 37	10 55	1 37	31 12	7 48	21 47	21 34	12 58		n.a.	S 15
S 16	22 56	1n47	4 59	18 31	0 13	12 2	0 16	7 4	0 18	3 46	1 18	22 22	1 13	22 54	0 37	10 54	1 37	31 13	7 48	21 46	21 33	13 0		n.a.	S 16
M17	22 49	6 15	4 34	18 1	0 4	11 35	0 12	6 48	0 18	3 43	1 18	22 23	1 13	22 54	0 37	10 53	1 37	31 13	7 48	21 46	21 32	13 2		n.a.	M17
T 18	22 42	10 26	3 58	17 29	0s 4	11 7	0 7	6 32	0 17	3 39	1 17	22 24	1 13	22 55	0 37	10 53	1 37	31 13	7 48	21 46	21 32	13 4		n.a.	T 18
W19	22 34	14 13	3 12	16 58	0 13	10 39	0 2	6 16	0 16	3 36	1 17	22 25	1 14	22 55	0 37	10 52	1 37	31 13	7 48	21 46	21 31	13 5		n.a.	W19
T 20	22 26	17 26	2 17	16 27	0 22	10 11	0s 2	5 59	0 15	3 32	1 17	22 26	1 14	22 55	0 37	10 51	1 37	31 13	7 49	21 46	21 31	13 7		n.a.	T 20
F 21	22 18	19 56	1 17	15 55	0 31	9 42	0 7	5 43	0 14	3 28	1 17	22 27	1 14	22 56	0 37	10 51	1 37	31 13	7 49	21 46	21 30	13 9		n.a.	F 21
S 22	22 9	21 35	0 11	15 24	0 40	9 14	0 12	5 27	0 13	3 25	1 16	22 28	1 14	22 56	0 37	10 50	1 37	31 13	7 49	21 47	21 30	13 11		n.a.	S 22
S 23	22 0	22 14	0s55	14 52	0 50	8 45	0 17	5 10	0 12	3 21	1 16	22 28	1 14	22 57	0 37	10 49	1 37	31 14	7 49	21 46	21 29	13 13		n.a.	S 23
M24	21 50	21 46	2 1	14 21	0 59	8 16	0 22	4 54	0 11	3 17	1 16	22 29	1 14	22 57	0 37	10 49	1 37	31 14	7 49	21 46	21 28	13 15		n.a.	M24
T 25	21 41	20 8	3 2	13 49	1 9	7 47	0 28	4 38	0 10	3 13	1 16	22 30	1 14	22 57	0 37	10 48	1 37	31 14	7 49	21 45	21 28	13 17		n.a.	T 25
W26	21 30	17 23	3 54	13 19	1 18	7 18	0 33	4 21	0 9	3 9	1 16	22 31	1 14	22 58	0 37	10 47	1 37	31 14	7 49	21 44	21 27	13 18		n.a.	W26
T 27	21 20	13 38	4 34	12 48	1 28	6 49	0 38	4 4	0 8	3 5	1 15	22 32	1 14	22 58	0 37	10 47	1 37	31 14	7 49	21 43	21 27	13 20		n.a.	T 27
F 28	21 9	9 7	4 59	12 18	1 38	6 19	0 44	3 48	0 7	3 1	1 15	22 33	1 14	22 58	0 37	10 46	1 37	31 14	7 49	21 41	21 26	13 22		n.a.	F 28
S 29	20 57	4 4	5 7	11 49	1 47	5 50	0 49	3 31	0 7	2 57	1 15	22 34	1 14	22 59	0 37	10 45	1 37	31 14	7 49	21 40	21 25	13 24		n.a.	S 29
S 30	20 45	1s15	4 55	11 20	1 57	5 20	0 55	3 14	0 6	2 53	1 15	22 35	1 15	22 59	0 37	10 45	1 37	31 14	7 49	21 39	21 25	13 26		n.a.	S 30
M31	20n33	6s30	4s26	10n52	2s 7	4n51	1s 1	2n57	0n 5	2n49	1n14	22s36	1s15	22s59	0s37	10n44	1n37	31s14	7s49	21s38	21s24	13n28		n.a.	M31

Julian Day Number = 1470312.5, Delta T = 05h31m33s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'07, Lahiri = -13°27'06 Julian Calendar 1 July 688 BCE == Greg. Calendar 24 June 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

AUGUST 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 8 57	0♌24'50	20♎16	27♌23	16♍35	23♍31	26♍ 0	25°R13	19°R12	6♍34	9°R13	6°R 6	4♐48	27♈ 1	n.a.	T 1
W 2	20 12 54	1°23'05	4♏26	28°12	17°36	24°11	26°10	25♑ 8	19♑ 9	6°36	9♑12	6°D 6	4°45	27° 8	n.a.	W 2
T 3	20 16 51	2°21'21	18°32	28°58	18°38	24°51	26°20	25° 4	19° 7	6°38	9°11	6♐ 7	4°41	27°14	n.a.	T 3
F 4	20 20 47	3°19'40	2♐33	29°41	19°39	25°32	26°30	24°59	19° 5	6°40	9° 9	6°R 7	4°38	27°21	n.a.	F 4
S 5	20 24 44	4°18'00	16°28	0♍19	20°40	26°12	26°40	24°54	19° 2	6°42	9° 8	6° 7	4°35	27°28	n.a.	S 5
S 6	20 28 40	5°16'21	0♑15	0°53	21°40	26°53	26°51	24°50	19° 0	6°44	9° 7	6° 4	4°32	27°34	n.a.	S 6
M 7	20 32 37	6°14'45	13°54	1°23	22°40	27°34	27° 1	24°46	18°58	6°46	9° 6	6° 0	4°29	27°41	n.a.	M 7
T 8	20 36 33	7°13'10	27°22	1°48	23°40	28°14	27°12	24°41	18°56	6°48	9° 5	5°52	4°26	27°48	n.a.	T 8
W 9	20 40 30	8°11'37	10♒37	2° 9	24°39	28°55	27°22	24°37	18°53	6°50	9° 3	5°42	4°22	27°54	n.a.	W 9
T 10	20 44 26	9°10'06	23°36	2°24	25°38	29°36	27°33	24°32	18°51	6°52	9° 2	5°31	4°19	28° 1	n.a.	T 10
F 11	20 48 23	10° 8'38	6♓20	2°33	26°37	0♎17	27°44	24°28	18°49	6°54	9° 1	5°20	4°16	28° 8	n.a.	F 11
S 12	20 52 20	11° 7'11	18°48	2°R36	27°35	0°59	27°55	24°24	18°47	6°56	9° 0	5°10	4°13	28°14	n.a.	S 12
S 13	20 56 16	12° 5'47	1♈ 1	2°33	28°33	1°40	28° 6	24°19	18°45	6°58	8°59	5° 1	4°10	28°21	n.a.	S 13
M14	21 0 13	13° 4'24	13° 3	2°23	29°30	2°21	28°17	24°15	18°43	7° 0	8°58	4°54	4° 7	28°28	n.a.	M14
T 15	21 4 9	14° 3'05	24°56	2° 7	0♎27	3° 3	28°28	24°11	18°40	7° 2	8°57	4°50	4° 3	28°34	n.a.	T 15
W16	21 8 6	15° 1'47	6♉45	1°43	1°23	3°44	28°39	24° 7	18°38	7° 5	8°56	4°48	4° 0	28°41	n.a.	W16
T 17	21 12 2	16° 0'32	18°35	1°12	2°19	4°26	28°50	24° 3	18°36	7° 7	8°55	4°D48	3°57	28°48	n.a.	T 17
F 18	21 15 59	16°59'20	0♊32	0°35	3°15	5° 7	29° 1	23°59	18°34	7° 9	8°54	4°R48	3°54	28°54	n.a.	F 18
S 19	21 19 55	17°58'09	12°41	29♌50	4°10	5°49	29°13	23°55	18°32	7°11	8°53	4°48	3°51	29° 1	n.a.	S 19
S 20	21 23 52	18°57'01	25° 8	29° 0	5° 4	6°31	29°24	23°51	18°30	7°13	8°52	4°47	3°47	29° 8	n.a.	S 20
M21	21 27 48	19°55'56	7♋55	28° 3	5°58	7°13	29°36	23°47	18°28	7°15	8°51	4°43	3°44	29°14	n.a.	M21
T 22	21 31 45	20°54'53	21° 6	27° 2	6°52	7°55	29°47	23°43	18°26	7°17	8°50	4°36	3°41	29°21	n.a.	T 22
W23	21 35 42	21°53'52	4♌42	25°58	7°45	8°37	29°59	23°39	18°25	7°20	8°49	4°27	3°38	29°28	n.a.	W23
T 24	21 39 38	22°52'53	18°41	24°51	8°37	9°19	0♎11	23°35	18°23	7°22	8°48	4°16	3°35	29°34	n.a.	T 24
F 25	21 43 35	23°51'57	2♍58	23°44	9°28	10° 1	0°23	23°32	18°21	7°24	8°47	4° 4	3°32	29°41	n.a.	F 25
S 26	21 47 31	24°51'02	17°28	22°38	10°19	10°44	0°35	23°28	18°19	7°26	8°46	3°53	3°28	29°48	n.a.	S 26
S 27	21 51 28	25°50'10	2♎ 3	21°35	11°10	11°26	0°46	23°25	18°17	7°28	8°45	3°43	3°25	29°54	n.a.	S 27
M28	21 55 24	26°49'19	16°37	20°36	11°59	12° 9	0°58	23°21	18°16	7°30	8°45	3°36	3°22	0♉ 1	n.a.	M28
T 29	21 59 21	27°48'31	1♏ 5	19°44	12°48	12°51	1°11	23°18	18°14	7°33	8°44	3°32	3°19	0° 8	n.a.	T 29
W30	22 3 17	28°47'44	15°21	18°59	13°36	13°34	1°23	23°15	18°12	7°35	8°43	3°30	3°16	0°14	n.a.	W30
T 31	22 7 14	29♌46'59	29♏25	18♌23	14♎23	14♎17	1♎35	23♑11	18♑11	7♍37	8♑42	3♐29	3♐13	0♉21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20n21	11s25	3s41	10n25	2s17	4n21	1s 6	2n40	0n 4	2n45	1n14	22s37	1s15	23s 0	0s37	10n43	1n37	31s14	7s49	21s38	21s24	13n29			n.a.
W 2	20 8	15 42	2 42	9 59	2 26	3 52	1 12	2 23	0 3	2 41	1 14	22 38	1 15	23 0	0 37	10 42	1 37	31 15	7 49	21 38	21 23	13 31			n.a.
T 3	19 55	19 4	1 33	9 34	2 36	3 22	1 18	2 6	0 2	2 36	1 14	22 39	1 15	23 0	0 37	10 42	1 37	31 15	7 49	21 38	21 23	13 33			n.a.
F 4	19 41	21 17	0 19	9 10	2 45	2 52	1 24	1 49	0 1	2 32	1 14	22 40	1 15	23 1	0 37	10 41	1 37	31 15	7 49	21 38	21 22	13 35			n.a.
S 5	19 27	22 10	0n55	8 48	2 54	2 23	1 30	1 32	0 0	2 28	1 13	22 41	1 15	23 1	0 37	10 40	1 37	31 15	7 49	21 38	21 21	13 37			n.a.
S 6	19 13	21 41	2 5	8 28	3 3	1 53	1 36	1 15	0s 0	2 23	1 13	22 42	1 15	23 1	0 37	10 39	1 37	31 15	7 49	21 38	21 21	13 38			n.a.
M 7	18 59	19 56	3 8	8 9	3 12	1 23	1 42	0 58	0 1	2 19	1 13	22 42	1 15	23 2	0 37	10 39	1 37	31 15	7 49	21 37	21 20	13 40			n.a.
T 8	18 44	17 5	3 58	7 52	3 20	0 54	1 48	0 41	0 2	2 15	1 13	22 43	1 15	23 2	0 37	10 38	1 37	31 15	7 48	21 35	21 20	13 42			n.a.
W 9	18 28	13 25	4 35	7 38	3 28	0 24	1 55	0 23	0 3	2 10	1 13	22 44	1 15	23 2	0 37	10 37	1 37	31 15	7 48	21 34	21 19	13 44			n.a.
T 10	18 13	9 11	4 57	7 26	3 35	0s 5	2 1	0 6	0 4	2 6	1 13	22 45	1 15	23 3	0 37	10 36	1 37	31 15	7 48	21 32	21 18	13 46			n.a.
F 11	17 57	4 38	5 3	7 16	3 42	0 35	2 7	0s11	0 5	2 1	1 12	22 46	1 15	23 3	0 37	10 36	1 37	31 15	7 48	21 30	21 18	13 47			n.a.
S 12	17 41	0n 1	4 55	7 9	3 48	1 4	2 14	0 29	0 5	1 57	1 12	22 47	1 15	23 3	0 37	10 35	1 37	31 15	7 48	21 28	21 17	13 49			n.a.
S 13	17 24	4 34	4 33	7 6	3 53	1 33	2 20	0 46	0 6	1 52	1 12	22 47	1 15	23 3	0 37	10 34	1 37	31 15	7 48	21 26	21 17	13 51			n.a.
M14	17 8	8 53	3 59	7 6	3 56	2 2	2 27	1 3	0 7	1 47	1 12	22 48	1 15	23 4	0 37	10 33	1 37	31 15	7 48	21 25	21 16	13 53			n.a.
T 15	16 51	12 48	3 15	7 9	3 59	2 31	2 33	1 21	0 8	1 43	1 12	22 49	1 15	23 4	0 37	10 32	1 37	31 15	7 48	21 24	21 15	13 54			n.a.
W16	16 33	16 13	2 23	7 16	4 1	3 0	2 40	1 38	0 9	1 38	1 12	22 50	1 15	23 4	0 37	10 32	1 37	31 15	7 48	21 24	21 15	13 56			n.a.
T 17	16 16	18 58	1 25	7 27	4 1	3 29	2 47	1 56	0 9	1 33	1 11	22 51	1 16	23 5	0 37	10 31	1 37	31 15	7 48	21 24	21 14	13 58			n.a.
F 18	15 58	20 55	0 23	7 42	4 0	3 57	2 53	2 13	0 10	1 29	1 11	22 51	1 16	23 5	0 37	10 30	1 37	31 15	7 48	21 24	21 14	14 0			n.a.
S 19	15 40	21 57	0s42	8 0	3 56	4 25	3 0	2 31	0 11	1 24	1 11	22 52	1 16	23 5	0 37	10 29	1 37	31 15	7 48	21 24	21 13	14 1			n.a.
S 20	15 21	21 55	1 46	8 23	3 51	4 53	3 7	2 48	0 12	1 19	1 11	22 53	1 16	23 5	0 37	10 28	1 37	31 15	7 48	21 23	21 12	14 3			n.a.
M21	15 2	20 46	2 46	8 49	3 44	5 21	3 13	3 6	0 13	1 14	1 11	22 54	1 16	23 6	0 37	10 27	1 37	31 15	7 48	21 23	21 12	14 5			n.a.
T 22	14 44	18 29	3 39	9 18	3 35	5 49	3 20	3 23	0 13	1 10	1 11	22 54	1 16	23 6	0 37	10 27	1 37	31 15	7 48	21 22	21 11	14 7			n.a.
W23	14 24	15 7	4 22	9 51	3 24	6 16	3 27	3 41	0 14	1 5	1 10	22 55	1 16	23 6	0 37	10 26	1 36	31 15	7 48	21 20	21 11	14 8			n.a.
T 24	14 5	10 51	4 50	10 25	3 11	6 44	3 34	3 58	0 15	1 0	1 10	22 56	1 16	23 6	0 37	10 25	1 36	31 15	7 48	21 18	21 10	14 10			n.a.
F 25	13 45	5 53	5 1	11 2	2 56	7 10	3 41	4 16	0 16	0 55	1 10	22 56	1 16	23 7	0 37	10 24	1 36	31 15	7 47	21 15	21 9	14 12			n.a.
S 26	13 25	0 32	4 53	11 39	2 40	7 37	3 47	4 33	0 17	0 50	1 10	22 57	1 16	23 7	0 37	10 23	1 36	31 15	7 47	21 13	21 9	14 13			n.a.
S 27	13 5	4s52	4 25	12 17	2 22	8 3	3 54	4 51	0 17	0 45	1 10	22 57	1 16	23 7	0 37	10 23	1 36	31 15	7 47	21 12	21 8	14 15			n.a.
M28	12 45	10 1	3 41	12 53	2 3	8 29	4 1	5 9	0 18	0 40	1 10	22 58	1 16	23 7	0 37	10 22	1 36	31 15	7 47	21 10	21 7	14 17			n.a.
T 29	12 24	14 33	2 42	13 28	1 43	8 55	4 8	5 26	0 19	0 35	1 10	22 59	1 16	23 8	0 37	10 21	1 36	31 15	7 47	21 9	21 7	14 19			n.a.
W30	12 3	18 10	1 34	14 2	1 23	9 20	4 14	5 44	0 20	0 30	1 9	22 59	1 16	23 8	0 37	10 20	1 36	31 15	7 47	21 9	21 6	14 20			n.a.
T 31	11n42	20s40	0s22	14n32	1s 3	9s45	4s21	6s 1	0s20	0n25	1n 9	23s 0	1s16	23s 8	0s37	10n19	1n36	31s15	7s47	21s 9	21s 6	14n22			n.a.

Julian Day Number = 1470343.5, Delta T = 05h31m32s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°34'02, Lahiri = -13°27'02 Julian Calendar 1 Aug. 688 BCE == Greg. Calendar 25 July 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

SEPTEMBER 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 11 11	0♍46'17	13♐16	17°R57	15♎ 9	14♎59	1♎47	23°R 8	18°R 9	7♍39	8°R42	3°R29	3♐ 9	0♉28	n.a.	F 1
S 2	22 15 7	1°45'36	26°55	17♌41	15°55	15°42	1°59	23♑ 5	18♑ 8	7°42	8♑41	3♐28	3° 6	0°34	n.a.	S 2
S 3	22 19 4	2°44'57	10♑22	17°D36	16°39	16°25	2°12	23° 2	18° 6	7°44	8°40	3°25	3° 3	0°41	n.a.	S 3
M 4	22 23 0	3°44'19	23°38	17°42	17°23	17° 8	2°24	22°59	18° 5	7°46	8°40	3°18	3° 0	0°48	n.a.	M 4
T 5	22 26 57	4°43'44	6♒43	17°58	18° 6	17°51	2°36	22°56	18° 3	7°48	8°39	3° 9	2°57	0°54	n.a.	T 5
W 6	22 30 53	5°43'11	19°36	18°24	18°47	18°35	2°49	22°54	18° 2	7°51	8°38	2°57	2°53	1° 1	n.a.	W 6
T 7	22 34 50	6°42'40	2♓18	19° 0	19°28	19°18	3° 1	22°51	18° 1	7°53	8°38	2°44	2°50	1° 8	n.a.	T 7
F 8	22 38 46	7°42'11	14°48	19°45	20° 7	20° 1	3°14	22°48	17°59	7°55	8°37	2°30	2°47	1°14	n.a.	F 8
S 9	22 42 43	8°41'44	27° 6	20°37	20°45	20°45	3°27	22°46	17°58	7°57	8°37	2°17	2°44	1°21	n.a.	S 9
S 10	22 46 39	9°41'19	9♈12	21°38	21°23	21°28	3°39	22°44	17°57	7°59	8°36	2° 5	2°41	1°28	n.a.	S 10
M11	22 50 36	10°40'57	21° 9	22°45	21°58	22°12	3°52	22°41	17°56	8° 2	8°36	1°57	2°38	1°34	n.a.	M11
T 12	22 54 33	11°40'37	3♉ 0	23°57	22°33	22°55	4° 5	22°39	17°54	8° 4	8°35	1°51	2°34	1°41	n.a.	T 12
W13	22 58 29	12°40'19	14°47	25°15	23° 6	23°39	4°17	22°37	17°53	8° 6	8°35	1°48	2°31	1°48	n.a.	W13
T 14	23 2 26	13°40'04	26°35	26°37	23°38	24°23	4°30	22°35	17°52	8° 8	8°34	1°47	2°28	1°54	n.a.	T 14
F 15	23 6 22	14°39'51	8♊30	28° 3	24° 8	25° 7	4°43	22°33	17°51	8°11	8°34	1°47	2°25	2° 1	n.a.	F 15
S 16	23 10 19	15°39'40	20°37	29°32	24°37	25°50	4°56	22°31	17°50	8°13	8°33	1°47	2°22	2° 8	n.a.	S 16
S 17	23 14 15	16°39'32	3♋ 1	1♍ 4	25° 4	26°34	5° 9	22°29	17°50	8°15	8°33	1°45	2°19	2°14	n.a.	S 17
M18	23 18 12	17°39'27	15°48	2°38	25°30	27°18	5°22	22°28	17°49	8°17	8°33	1°42	2°15	2°21	n.a.	M18
T 19	23 22 8	18°39'23	29° 0	4°14	25°54	28° 3	5°35	22°26	17°48	8°20	8°33	1°37	2°12	2°28	n.a.	T 19
W20	23 26 5	19°39'22	12♌41	5°51	26°16	28°47	5°48	22°25	17°47	8°22	8°32	1°29	2° 9	2°34	n.a.	W20
T 21	23 30 2	20°39'23	26°50	7°29	26°36	29°31	6° 1	22°23	17°46	8°24	8°32	1°18	2° 6	2°41	n.a.	T 21
F 22	23 33 58	21°39'26	11♍24	9° 8	26°55	0♏15	6°14	22°22	17°46	8°26	8°32	1° 7	2° 3	2°48	n.a.	F 22
S 23	23 37 55	22°39'31	26°14	10°47	27°11	1° 0	6°27	22°21	17°45	8°28	8°32	0°57	1°59	2°54	n.a.	S 23
S 24	23 41 51	23°39'38	11♎14	12°27	27°26	1°44	6°40	22°20	17°45	8°31	8°31	0°48	1°56	3° 1	n.a.	S 24
M25	23 45 48	24°39'47	26°13	14° 7	27°38	2°29	6°53	22°19	17°44	8°33	8°31	0°41	1°53	3° 8	n.a.	M25
T 26	23 49 44	25°39'58	11♏ 2	15°47	27°49	3°13	7° 7	22°18	17°44	8°35	8°31	0°37	1°50	3°14	n.a.	T 26
W27	23 53 41	26°40'10	25°36	17°27	27°57	3°58	7°20	22°17	17°43	8°37	8°31	0°D36	1°47	3°21	n.a.	W27
T 28	23 57 37	27°40'25	9♐51	19° 7	28° 3	4°43	7°33	22°17	17°43	8°39	8°31	0°36	1°44	3°28	n.a.	T 28
F 29	0 1 34	28°40'41	23°46	20°47	28° 6	5°28	7°46	22°16	17°42	8°41	8°D31	0°R36	1°40	3°34	n.a.	F 29
S 30	0 5 30	29♍40'58	7♑21	22♍27	28°R 8	6♏12	7♎59	22♑16	17♑42	8♍43	8♑31	0♐36	1♐37	3♉41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n21	21s52	0n52	14n59	0s44	10s 9	4s28	6s19	0s21	0n20	1n 9	23s 0	1s16	23s 8	0s37	10n18	1n36	31s15	7s47	21s 9	21s 5	14n24		n.a.
S 2	11 0	21 44	2 0	15 22	0 24	10 34	4 35	6 36	0 22	0 15	1 9	23 1	1 16	23 8	0 37	10 17	1 36	31 15	7 47	21 9	21 4	14 25		n.a.
S 3	10 38	20 21	3 2	15 41	0 6	10 57	4 41	6 53	0 23	0 10	1 9	23 1	1 16	23 9	0 37	10 17	1 36	31 15	7 47	21 8	21 4	14 27		n.a.
M 4	10 17	17 52	3 52	15 55	0n11	11 20	4 48	7 11	0 23	0 5	1 9	23 2	1 16	23 9	0 37	10 16	1 36	31 15	7 46	21 7	21 3	14 29		n.a.
T 5	9 55	14 31	4 29	16 6	0 27	11 43	4 55	7 28	0 24	0s 0	1 9	23 2	1 16	23 9	0 37	10 15	1 36	31 15	7 46	21 5	21 3	14 30		n.a.
W 6	9 33	10 32	4 52	16 12	0 42	12 5	5 1	7 46	0 25	0 5	1 9	23 3	1 16	23 9	0 37	10 14	1 36	31 15	7 46	21 3	21 2	14 32		n.a.
T 7	9 10	6 8	5 0	16 13	0 56	12 27	5 8	8 3	0 25	0 11	1 8	23 3	1 16	23 9	0 37	10 13	1 36	31 15	7 46	21 0	21 1	14 34		n.a.
F 8	8 48	1 34	4 53	16 10	1 8	12 48	5 14	8 20	0 26	0 16	1 8	23 4	1 16	23 9	0 37	10 12	1 37	31 14	7 46	20 57	21 1	14 36		n.a.
S 9	8 25	2n59	4 33	16 4	1 19	13 9	5 20	8 37	0 27	0 21	1 8	23 4	1 16	23 10	0 37	10 12	1 37	31 14	7 46	20 55	21 0	14 37		n.a.
S 10	8 3	7 22	4 0	15 53	1 28	13 29	5 27	8 55	0 28	0 26	1 8	23 4	1 16	23 10	0 37	10 11	1 37	31 14	7 46	20 52	20 59	14 39		n.a.
M11	7 40	11 25	3 17	15 38	1 36	13 48	5 33	9 12	0 28	0 31	1 8	23 5	1 16	23 10	0 37	10 10	1 37	31 14	7 46	20 51	20 59	14 40		n.a.
T 12	7 17	14 58	2 26	15 20	1 43	14 7	5 39	9 29	0 29	0 36	1 8	23 5	1 16	23 10	0 37	10 9	1 37	31 14	7 46	20 49	20 58	14 42		n.a.
W13	6 54	17 55	1 29	14 59	1 48	14 25	5 45	9 46	0 30	0 42	1 8	23 5	1 16	23 10	0 37	10 8	1 37	31 14	7 45	20 49	20 57	14 44		n.a.
T 14	6 31	20 7	0 28	14 35	1 53	14 42	5 50	10 3	0 30	0 47	1 8	23 6	1 16	23 10	0 37	10 7	1 37	31 14	7 45	20 48	20 57	14 45		n.a.
F 15	6 7	21 27	0s36	14 8	1 56	14 59	5 56	10 20	0 31	0 52	1 8	23 6	1 16	23 10	0 37	10 7	1 37	31 14	7 45	20 48	20 56	14 47		n.a.
S 16	5 44	21 48	1 38	13 38	1 59	15 15	6 2	10 37	0 32	0 57	1 7	23 6	1 15	23 10	0 37	10 6	1 37	31 14	7 45	20 48	20 56	14 49		n.a.
S 17	5 20	21 7	2 38	13 7	2 0	15 30	6 7	10 54	0 32	1 3	1 7	23 7	1 15	23 11	0 37	10 5	1 37	31 14	7 45	20 48	20 55	14 50		n.a.
M18	4 57	19 20	3 31	12 33	2 1	15 45	6 12	11 10	0 33	1 8	1 7	23 7	1 15	23 11	0 37	10 4	1 37	31 14	7 45	20 48	20 54	14 52		n.a.
T 19	4 33	16 29	4 15	11 58	2 0	15 58	6 17	11 27	0 34	1 13	1 7	23 7	1 15	23 11	0 37	10 3	1 37	31 13	7 45	20 46	20 54	14 54		n.a.
W20	4 9	12 39	4 47	11 21	2 0	16 11	6 22	11 44	0 34	1 19	1 7	23 7	1 15	23 11	0 37	10 2	1 37	31 13	7 44	20 45	20 53	14 55		n.a.
T 21	3 45	8 1	5 2	10 42	1 58	16 23	6 26	12 0	0 35	1 24	1 7	23 8	1 15	23 11	0 37	10 2	1 37	31 13	7 44	20 43	20 52	14 57		n.a.
F 22	3 21	2 49	4 58	10 3	1 56	16 33	6 30	12 17	0 36	1 29	1 7	23 8	1 15	23 11	0 37	10 1	1 37	31 13	7 44	20 40	20 52	14 58		n.a.
S 23	2 57	2s40	4 34	9 22	1 53	16 43	6 34	12 33	0 36	1 35	1 7	23 8	1 15	23 11	0 36	10 0	1 37	31 13	7 44	20 38	20 51	15 0		n.a.
S 24	2 33	8 2	3 51	8 40	1 50	16 52	6 38	12 49	0 37	1 40	1 7	23 8	1 15	23 11	0 36	9 59	1 37	31 13	7 44	20 36	20 50	15 2		n.a.
M25	2 9	12 56	2 52	7 58	1 46	17 0	6 41	13 5	0 37	1 45	1 7	23 8	1 15	23 11	0 36	9 58	1 37	31 13	7 44	20 35	20 50	15 3		n.a.
T 26	1 45	16 58	1 42	7 15	1 42	17 6	6 44	13 21	0 38	1 51	1 7	23 8	1 15	23 11	0 36	9 57	1 37	31 13	7 44	20 34	20 49	15 5		n.a.
W27	1 21	19 52	0 27	6 32	1 38	17 12	6 47	13 37	0 39	1 56	1 7	23 8	1 15	23 11	0 36	9 57	1 37	31 12	7 44	20 34	20 49	15 6		n.a.
T 28	0 56	21 26	0n49	5 48	1 34	17 16	6 49	13 53	0 39	2 1	1 6	23 8	1 15	23 11	0 36	9 56	1 37	31 12	7 43	20 34	20 48	15 8		n.a.
F 29	0 32	21 37	2 1	5 3	1 29	17 19	6 50	14 9	0 40	2 7	1 6	23 8	1 15	23 11	0 36	9 55	1 37	31 12	7 43	20 34	20 47	15 10		n.a.
S 30	0n 8	20s31	3n 3	4n19	1n23	17s20	6s52	14s25	0s40	2s12	1n 6	23s 8	1s15	23s11	0s36	9n54	1n37	31s12	7s43	20s34	20s47	15n11		n.a.

Julian Day Number = 1470374.5, Delta T = 05h31m30s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'58, Lahiri = -13°26'58 Julian Calendar 1 Sept. 688 BCE == Greg. Calendar 25 Aug. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

OCTOBER 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 9 27	0♎41'17	20♑38	24♍ 6	28°R 6	6♏57	8♎13	22°R15	17°R42	8♍46	8♑31	0°R34	1♐34	3♉48	n.a.	S 1
M 2	0 13 24	1°41'38	3♒39	25°45	28♎ 3	7°42	8°26	22♑15	17♑42	8°48	8°31	0♐30	1°31	3°54	n.a.	M 2
T 3	0 17 20	2°42'00	16°26	27°24	27°57	8°27	8°39	22°D15	17°42	8°50	8°31	0°23	1°28	4° 1	n.a.	T 3
W 4	0 21 17	3°42'24	29° 1	29° 3	27°48	9°12	8°53	22°15	17°42	8°52	8°31	0°14	1°24	4° 8	n.a.	W 4
T 5	0 25 13	4°42'49	11♓26	0♎41	27°37	9°57	9° 6	22°15	17°D42	8°54	8°32	0° 3	1°21	4°14	n.a.	T 5
F 6	0 29 10	5°43'16	23°40	2°19	27°24	10°43	9°19	22°15	17°42	8°56	8°32	29♏53	1°18	4°21	n.a.	F 6
S 7	0 33 6	6°43'45	5♈46	3°56	27° 8	11°28	9°32	22°16	17°42	8°58	8°32	29°42	1°15	4°28	n.a.	S 7
S 8	0 37 3	7°44'15	17°45	5°33	26°50	12°13	9°46	22°16	17°42	9° 0	8°32	29°33	1°12	4°34	n.a.	S 8
M 9	0 40 59	8°44'47	29°37	7°10	26°30	12°59	9°59	22°17	17°42	9° 2	8°32	29°27	1° 9	4°41	n.a.	M 9
T 10	0 44 56	9°45'21	11♉25	8°47	26° 7	13°44	10°12	22°17	17°42	9° 4	8°33	29°23	1° 5	4°48	n.a.	T 10
W11	0 48 53	10°45'57	23°12	10°23	25°42	14°29	10°26	22°18	17°43	9° 6	8°33	29°21	1° 2	4°54	n.a.	W11
T 12	0 52 49	11°46'35	5♊ 1	11°59	25°15	15°15	10°39	22°19	17°43	9° 8	8°33	29°D21	0°59	5° 1	n.a.	T 12
F 13	0 56 46	12°47'14	16°55	13°34	24°47	16° 0	10°53	22°20	17°43	9°10	8°34	29°22	0°56	5° 8	n.a.	F 13
S 14	1 0 42	13°47'55	29° 0	15° 9	24°16	16°46	11° 6	22°21	17°44	9°12	8°34	29°23	0°53	5°14	n.a.	S 14
S 15	1 4 39	14°48'39	11♋21	16°44	23°45	17°32	11°19	22°22	17°44	9°14	8°35	29°R24	0°50	5°21	n.a.	S 15
M16	1 8 35	15°49'23	24° 3	18°19	23°12	18°18	11°33	22°23	17°45	9°16	8°35	29°24	0°46	5°28	n.a.	M16
T 17	1 12 32	16°50'10	7♌ 9	19°54	22°37	19° 3	11°46	22°25	17°45	9°18	8°35	29°22	0°43	5°34	n.a.	T 17
W18	1 16 28	17°50'58	20°44	21°28	22° 2	19°49	11°59	22°26	17°46	9°19	8°36	29°18	0°40	5°41	n.a.	W18
T 19	1 20 25	18°51'48	4♍49	23° 2	21°26	20°35	12°13	22°28	17°47	9°21	8°36	29°13	0°37	5°48	n.a.	T 19
F 20	1 24 22	19°52'40	19°21	24°36	20°50	21°21	12°26	22°30	17°48	9°23	8°37	29° 6	0°34	5°54	n.a.	F 20
S 21	1 28 18	20°53'33	4♎16	26°10	20°14	22° 7	12°39	22°31	17°48	9°25	8°38	29° 0	0°30	6° 1	n.a.	S 21
S 22	1 32 15	21°54'28	19°26	27°44	19°38	22°53	12°52	22°33	17°49	9°27	8°38	28°55	0°27	6° 8	n.a.	S 22
M23	1 36 11	22°55'23	4♏40	29°18	19° 2	23°39	13° 6	22°35	17°50	9°28	8°39	28°51	0°24	6°14	n.a.	M23
T 24	1 40 8	23°56'21	19°49	0♏51	18°27	24°25	13°19	22°37	17°51	9°30	8°40	28°49	0°21	6°21	n.a.	T 24
W25	1 44 4	24°57'19	4♐43	2°24	17°52	25°11	13°32	22°40	17°52	9°32	8°40	28°D49	0°18	6°28	n.a.	W25
T 26	1 48 1	25°58'18	19°16	3°58	17°19	25°58	13°45	22°42	17°53	9°34	8°41	28°50	0°15	6°34	n.a.	T 26
F 27	1 51 57	26°59'18	3♑25	5°31	16°47	26°44	13°59	22°44	17°54	9°35	8°42	28°52	0°11	6°41	n.a.	F 27
S 28	1 55 54	28° 0'20	17° 8	7° 4	16°16	27°30	14°12	22°47	17°55	9°37	8°42	28°53	0° 8	6°47	n.a.	S 28
S 29	1 59 51	29° 1'21	0♒27	8°37	15°47	28°17	14°25	22°49	17°57	9°38	8°43	28°R53	0° 5	6°54	n.a.	S 29
M30	2 3 47	0♏ 2'24	13°25	10° 9	15°20	29° 3	14°38	22°52	17°58	9°40	8°44	28°53	0° 2	7° 1	n.a.	M30
T 31	2 7 44	1♏ 3'27	26♒ 4	11♏42	14♎54	29♏49	14♎51	22♑55	17♑59	9♍42	8♑45	28♏50	29♏59	7♉ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s17	18s18	3n55	3n34	1n18	17s21	6s52	14s40	0s41	2s17	1n 6	23s 8	1s15	23s11	0s36	9n54	1n37	31s12	7s43	20s33	20s46	15n13			n.a.
M 2	0 41	15 12	4 33	2 49	1 12	17 20	6 53	14 56	0 42	2 23	1 6	23 8	1 15	23 11	0 36	9 53	1 37	31 12	7 43	20 33	20 45	15 14			n.a.
T 3	1 5	11 26	4 56	2 4	1 7	17 17	6 52	15 11	0 42	2 28	1 6	23 8	1 15	23 11	0 36	9 52	1 37	31 12	7 43	20 31	20 45	15 16			n.a.
W 4	1 30	7 13	5 5	1 19	1 1	17 13	6 52	15 26	0 43	2 33	1 6	23 8	1 15	23 11	0 36	9 51	1 37	31 11	7 43	20 29	20 44	15 18			n.a.
T 5	1 54	2 46	4 59	0 33	0 55	17 8	6 50	15 41	0 43	2 39	1 6	23 8	1 15	23 11	0 36	9 50	1 37	31 11	7 42	20 27	20 43	15 19			n.a.
F 6	2 18	1n43	4 40	0s12	0 48	17 1	6 48	15 56	0 44	2 44	1 6	23 8	1 15	23 11	0 36	9 50	1 37	31 11	7 42	20 25	20 43	15 21			n.a.
S 7	2 42	6 6	4 8	0 57	0 42	16 52	6 45	16 11	0 44	2 49	1 6	23 8	1 15	23 11	0 36	9 49	1 37	31 11	7 42	20 22	20 42	15 22			n.a.
S 8	3 7	10 12	3 25	1 42	0 36	16 42	6 42	16 26	0 45	2 55	1 6	23 8	1 15	23 11	0 36	9 48	1 37	31 11	7 42	20 20	20 41	15 24			n.a.
M 9	3 31	13 53	2 33	2 26	0 29	16 31	6 38	16 41	0 46	3 0	1 6	23 8	1 15	23 11	0 36	9 47	1 37	31 11	7 42	20 19	20 41	15 25			n.a.
T 10	3 55	16 59	1 35	3 11	0 23	16 18	6 33	16 55	0 46	3 6	1 6	23 8	1 14	23 11	0 36	9 47	1 37	31 10	7 42	20 18	20 40	15 27			n.a.
W11	4 19	19 22	0 33	3 55	0 16	16 3	6 27	17 9	0 47	3 11	1 6	23 8	1 14	23 11	0 36	9 46	1 37	31 10	7 42	20 18	20 39	15 28			n.a.
T 12	4 43	20 56	0s31	4 39	0 10	15 47	6 20	17 23	0 47	3 16	1 6	23 7	1 14	23 11	0 36	9 45	1 37	31 10	7 41	20 18	20 39	15 30			n.a.
F 13	5 7	21 34	1 34	5 23	0 3	15 30	6 13	17 37	0 48	3 22	1 6	23 7	1 14	23 11	0 36	9 45	1 37	31 10	7 41	20 18	20 38	15 31			n.a.
S 14	5 31	21 13	2 34	6 6	0s 3	15 11	6 5	17 51	0 48	3 27	1 6	23 7	1 14	23 11	0 36	9 44	1 37	31 10	7 41	20 18	20 37	15 33			n.a.
S 15	5 55	19 50	3 28	6 49	0 10	14 51	5 56	18 5	0 49	3 32	1 6	23 7	1 14	23 11	0 36	9 43	1 37	31 10	7 41	20 18	20 37	15 35			n.a.
M16	6 19	17 26	4 14	7 32	0 16	14 29	5 47	18 18	0 49	3 37	1 6	23 6	1 14	23 10	0 36	9 43	1 37	31 9	7 41	20 18	20 36	15 36			n.a.
T 17	6 42	14 6	4 48	8 14	0 23	14 7	5 37	18 32	0 50	3 43	1 5	23 6	1 14	23 10	0 36	9 42	1 37	31 9	7 41	20 18	20 35	15 38			n.a.
W18	7 6	9 56	5 7	8 56	0 29	13 43	5 26	18 45	0 50	3 48	1 5	23 6	1 14	23 10	0 36	9 41	1 37	31 9	7 41	20 17	20 35	15 39			n.a.
T 19	7 29	5 5	5 9	9 38	0 36	13 19	5 14	18 58	0 51	3 53	1 5	23 5	1 14	23 10	0 36	9 40	1 38	31 9	7 40	20 16	20 34	15 41			n.a.
F 20	7 53	0s11	4 52	10 19	0 42	12 53	5 2	19 11	0 51	3 59	1 5	23 5	1 14	23 10	0 36	9 40	1 38	31 9	7 40	20 14	20 33	15 42			n.a.
S 21	8 16	5 36	4 14	10 59	0 48	12 27	4 49	19 23	0 52	4 4	1 5	23 5	1 14	23 10	0 36	9 39	1 38	31 9	7 40	20 13	20 33	15 44			n.a.
S 22	8 39	10 45	3 18	11 39	0 54	12 1	4 35	19 36	0 52	4 9	1 5	23 4	1 14	23 10	0 36	9 39	1 38	31 8	7 40	20 12	20 32	15 45			n.a.
M23	9 2	15 16	2 8	12 19	1 0	11 34	4 21	19 48	0 53	4 14	1 5	23 4	1 14	23 10	0 36	9 38	1 38	31 8	7 40	20 11	20 31	15 47			n.a.
T 24	9 25	18 44	0 49	12 58	1 6	11 7	4 7	20 0	0 53	4 20	1 5	23 4	1 14	23 9	0 36	9 37	1 38	31 8	7 40	20 11	20 31	15 48			n.a.
W25	9 48	20 51	0n32	13 36	1 12	10 40	3 52	20 12	0 53	4 25	1 5	23 3	1 14	23 9	0 36	9 37	1 38	31 8	7 40	20 11	20 30	15 50			n.a.
T 26	10 10	21 31	1 50	14 14	1 17	10 13	3 37	20 23	0 54	4 30	1 5	23 3	1 14	23 9	0 36	9 36	1 38	31 8	7 39	20 11	20 29	15 51			n.a.
F 27	10 33	20 46	2 58	14 51	1 23	9 47	3 22	20 35	0 54	4 35	1 5	23 2	1 14	23 9	0 36	9 35	1 38	31 7	7 39	20 11	20 29	15 52			n.a.
S 28	10 55	18 47	3 54	15 27	1 28	9 20	3 6	20 46	0 55	4 40	1 5	23 2	1 14	23 9	0 36	9 35	1 38	31 7	7 39	20 12	20 28	15 54			n.a.
S 29	11 17	15 50	4 36	16 2	1 33	8 55	2 51	20 57	0 55	4 46	1 5	23 1	1 13	23 9	0 36	9 34	1 38	31 7	7 39	20 12	20 27	15 55			n.a.
M30	11 39	12 12	5 3	16 37	1 38	8 30	2 35	21 8	0 56	4 51	1 5	23 1	1 13	23 8	0 36	9 34	1 38	31 7	7 39	20 11	20 27	15 57			n.a.
T 31	12s 0	8s 5	5n13	17s11	1s43	8s 5	2s19	21s19	0s56	4s56	1n 5	23s 0	1s13	23s 8	0s36	9n33	1n38	31s 7	7s39	20s11	20s26	15n58			n.a.

Julian Day Number = 1470404.5, Delta T = 05h31m28s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'54, Lahiri = -13°26'54 Julian Calendar 1 Oct. 688 BCE == Greg. Calendar 24 Sept. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

NOVEMBER 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 11 40	2♏ 4'31	8♓29	13♏15	14°R31	0♐36	15♎ 4	22♑58	18♑ 1	9♍43	8♑46	28°R47	29♏55	7♉14	n.a.	W 1
T 2	2 15 37	3° 5'36	20°41	14°47	14♎10	1°22	15°17	23° 1	18° 2	9°45	8°47	28♏43	29°52	7°21	n.a.	T 2
F 3	2 19 33	4° 6'41	2♈44	16°20	13°52	2° 9	15°30	23° 4	18° 3	9°46	8°48	28°38	29°49	7°27	n.a.	F 3
S 4	2 23 30	5° 7'47	14°40	17°52	13°35	2°55	15°43	23° 7	18° 5	9°48	8°49	28°34	29°46	7°34	n.a.	S 4
S 5	2 27 26	6° 8'54	26°31	19°24	13°21	3°42	15°56	23°10	18° 7	9°49	8°50	28°30	29°43	7°41	n.a.	S 5
M 6	2 31 23	7°10'02	8♉20	20°56	13°10	4°29	16° 9	23°14	18° 8	9°51	8°51	28°28	29°40	7°47	n.a.	M 6
T 7	2 35 20	8°11'11	20° 9	22°27	13° 1	5°15	16°22	23°17	18°10	9°52	8°52	28°27	29°36	7°54	n.a.	T 7
W 8	2 39 16	9°12'20	1♊58	23°58	12°55	6° 2	16°35	23°21	18°11	9°53	8°53	28°D26	29°33	8° 1	n.a.	W 8
T 9	2 43 13	10°13'30	13°52	25°29	12°51	6°49	16°48	23°24	18°13	9°55	8°54	28°27	29°30	8° 7	n.a.	T 9
F 10	2 47 9	11°14'42	25°51	26°59	12°D50	7°36	17° 1	23°28	18°15	9°56	8°55	28°28	29°27	8°14	n.a.	F 10
S 11	2 51 6	12°15'53	8♋ 1	28°29	12°51	8°22	17°13	23°32	18°17	9°57	8°56	28°30	29°24	8°21	n.a.	S 11
S 12	2 55 2	13°17'06	20°24	29°58	12°54	9° 9	17°26	23°36	18°19	9°58	8°57	28°31	29°21	8°27	n.a.	S 12
M13	2 58 59	14°18'20	3♌ 4	1♐26	13° 0	9°56	17°39	23°40	18°21	10° 0	8°58	28°32	29°17	8°34	n.a.	M13
T 14	3 2 55	15°19'34	16° 5	2°52	13° 9	10°43	17°51	23°44	18°22	10° 1	8°59	28°R32	29°14	8°41	n.a.	T 14
W15	3 6 52	16°20'49	29°31	4°18	13°19	11°30	18° 4	23°48	18°24	10° 2	9° 1	28°32	29°11	8°47	n.a.	W15
T 16	3 10 49	17°22'04	13♍22	5°42	13°32	12°17	18°16	23°53	18°27	10° 3	9° 2	28°31	29° 8	8°54	n.a.	T 16
F 17	3 14 45	18°23'21	27°40	7° 4	13°47	13° 4	18°29	23°57	18°29	10° 4	9° 3	28°30	29° 5	9° 1	n.a.	F 17
S 18	3 18 42	19°24'37	12♎21	8°24	14° 4	13°51	18°41	24° 1	18°31	10° 5	9° 4	28°29	29° 1	9° 7	n.a.	S 18
S 19	3 22 38	20°25'55	27°21	9°42	14°23	14°38	18°54	24° 6	18°33	10° 6	9° 6	28°28	28°58	9°14	n.a.	S 19
M20	3 26 35	21°27'13	12♏32	10°56	14°44	15°25	19° 6	24°10	18°35	10° 7	9° 7	28°27	28°55	9°21	n.a.	M20
T 21	3 30 31	22°28'31	27°44	12° 7	15° 7	16°12	19°18	24°15	18°37	10° 8	9° 8	28°D27	28°52	9°27	n.a.	T 21
W22	3 34 28	23°29'49	12♐48	13°14	15°32	16°59	19°31	24°20	18°40	10° 9	9° 9	28°27	28°49	9°34	n.a.	W22
T 23	3 38 24	24°31'08	27°35	14°16	15°58	17°46	19°43	24°25	18°42	10°10	9°11	28°27	28°46	9°41	n.a.	T 23
F 24	3 42 21	25°32'26	11♑59	15°12	16°27	18°33	19°55	24°30	18°44	10°11	9°12	28°28	28°42	9°47	n.a.	F 24
S 25	3 46 18	26°33'45	25°56	16° 3	16°56	19°21	20° 7	24°35	18°47	10°12	9°14	28°28	28°39	9°54	n.a.	S 25
S 26	3 50 14	27°35'02	9♒26	16°46	17°28	20° 8	20°19	24°40	18°49	10°13	9°15	28°28	28°36	10° 0	n.a.	S 26
M27	3 54 11	28°36'20	22°29	17°21	18° 1	20°55	20°31	24°45	18°52	10°13	9°16	28°28	28°33	10° 7	n.a.	M27
T 28	3 58 7	29°37'37	5♓10	17°47	18°35	21°42	20°43	24°50	18°54	10°14	9°18	28°28	28°30	10°14	n.a.	T 28
W29	4 2 4	0♐38'54	17°32	18° 3	19°11	22°29	20°54	24°55	18°57	10°15	9°19	28°28	28°27	10°20	n.a.	W29
T 30	4 6 0	1♐40'10	29♓39	18°R 9	19♎48	23♐17	21♎ 6	25♑ 1	18♑59	10♍15	9♑21	28♏29	28♏23	10♉27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s22	3s44	5n 9	17s44	1s47	7s42	2s 4	21s29	0s56	5s 1	1n 5	23s 0	1s13	23s 8	0s36	9n33	1n38	31s 6	7s39	20s10	20s25	16n 0		n.a.
T 2	12 43	0n43	4 51	18 17	1 52	7 20	1 48	21 39	0 57	5 6	1 5	22 59	1 13	23 8	0 35	9 32	1 38	31 6	7 39	20 9	20 24	16 1		n.a.
F 3	13 4	5 4	4 20	18 48	1 56	6 58	1 33	21 49	0 57	5 11	1 5	22 59	1 13	23 7	0 35	9 32	1 38	31 6	7 38	20 8	20 24	16 3		n.a.
S 4	13 25	9 12	3 38	19 18	1 59	6 38	1 18	21 59	0 58	5 16	1 5	22 58	1 13	23 7	0 35	9 31	1 38	31 6	7 38	20 7	20 23	16 4		n.a.
S 5	13 45	12 58	2 47	19 47	2 3	6 19	1 3	22 8	0 58	5 21	1 5	22 57	1 13	23 7	0 35	9 31	1 38	31 6	7 38	20 6	20 22	16 6		n.a.
M 6	14 6	16 12	1 49	20 16	2 6	6 1	0 49	22 17	0 58	5 26	1 5	22 57	1 13	23 7	0 35	9 30	1 38	31 6	7 38	20 6	20 22	16 7		n.a.
T 7	14 26	18 46	0 46	20 43	2 8	5 45	0 35	22 26	0 59	5 31	1 5	22 56	1 13	23 7	0 35	9 30	1 38	31 5	7 38	20 6	20 21	16 8		n.a.
W 8	14 46	20 32	0s20	21 8	2 11	5 30	0 21	22 35	0 59	5 36	1 5	22 55	1 13	23 6	0 35	9 29	1 39	31 5	7 38	20 6	20 20	16 10		n.a.
T 9	15 5	21 23	1 24	21 33	2 13	5 16	0 8	22 44	0 59	5 41	1 5	22 55	1 13	23 6	0 35	9 29	1 39	31 5	7 38	20 6	20 20	16 11		n.a.
F 10	15 25	21 17	2 26	21 56	2 14	5 3	0n 5	22 52	1 0	5 46	1 5	22 54	1 13	23 6	0 35	9 28	1 39	31 5	7 38	20 6	20 19	16 13		n.a.
S 11	15 44	20 10	3 22	22 18	2 15	4 52	0 18	23 0	1 0	5 51	1 5	22 53	1 13	23 5	0 35	9 28	1 39	31 5	7 37	20 6	20 18	16 14		n.a.
S 12	16 3	18 5	4 10	22 38	2 16	4 42	0 30	23 8	1 0	5 56	1 5	22 53	1 13	23 5	0 35	9 27	1 39	31 4	7 37	20 7	20 18	16 16		n.a.
M13	16 21	15 6	4 47	22 57	2 16	4 34	0 42	23 15	1 1	6 1	1 5	22 52	1 13	23 5	0 35	9 27	1 39	31 4	7 37	20 7	20 17	16 17		n.a.
T 14	16 40	11 18	5 10	23 14	2 15	4 27	0 53	23 22	1 1	6 6	1 5	22 51	1 13	23 5	0 35	9 27	1 39	31 4	7 37	20 7	20 16	16 18		n.a.
W15	16 58	6 51	5 17	23 30	2 14	4 21	1 4	23 29	1 1	6 11	1 5	22 50	1 13	23 4	0 35	9 26	1 39	31 4	7 37	20 7	20 15	16 20		n.a.
T 16	17 15	1 55	5 7	23 44	2 12	4 16	1 15	23 36	1 2	6 15	1 6	22 50	1 13	23 4	0 35	9 26	1 39	31 4	7 37	20 7	20 15	16 21		n.a.
F 17	17 33	3s17	4 37	23 56	2 10	4 13	1 25	23 43	1 2	6 20	1 6	22 49	1 13	23 4	0 35	9 25	1 39	31 3	7 37	20 6	20 14	16 22		n.a.
S 18	17 50	8 27	3 49	24 6	2 7	4 11	1 34	23 49	1 2	6 25	1 6	22 48	1 13	23 3	0 35	9 25	1 39	31 3	7 37	20 6	20 13	16 24		n.a.
S 19	18 6	13 14	2 45	24 14	2 2	4 10	1 44	23 55	1 2	6 30	1 6	22 47	1 13	23 3	0 35	9 25	1 39	31 3	7 37	20 6	20 13	16 25		n.a.
M20	18 23	17 12	1 27	24 20	1 57	4 10	1 52	24 0	1 3	6 34	1 6	22 46	1 13	23 3	0 35	9 24	1 39	31 3	7 37	20 6	20 12	16 27		n.a.
T 21	18 39	20 0	0 4	24 24	1 51	4 11	2 1	24 6	1 3	6 39	1 6	22 45	1 12	23 2	0 35	9 24	1 39	31 3	7 37	20 6	20 11	16 28		n.a.
W22	18 55	21 21	1n19	24 26	1 44	4 13	2 9	24 11	1 3	6 44	1 6	22 44	1 12	23 2	0 35	9 24	1 39	31 3	7 36	20 6	20 11	16 29		n.a.
T 23	19 10	21 10	2 35	24 26	1 36	4 16	2 17	24 15	1 3	6 48	1 6	22 44	1 12	23 2	0 35	9 23	1 39	31 2	7 36	20 6	20 10	16 31		n.a.
F 24	19 25	19 35	3 39	24 23	1 27	4 21	2 24	24 20	1 4	6 53	1 6	22 43	1 12	23 1	0 35	9 23	1 39	31 2	7 36	20 6	20 9	16 32		n.a.
S 25	19 40	16 52	4 28	24 18	1 17	4 26	2 31	24 24	1 4	6 57	1 6	22 42	1 12	23 1	0 35	9 23	1 40	31 2	7 36	20 6	20 8	16 33		n.a.
S 26	19 54	13 19	5 1	24 11	1 5	4 32	2 37	24 28	1 4	7 2	1 6	22 41	1 12	23 1	0 35	9 23	1 40	31 2	7 36	20 6	20 8	16 35		n.a.
M27	20 8	9 14	5 16	24 2	0 52	4 39	2 43	24 32	1 4	7 6	1 6	22 40	1 12	23 0	0 35	9 22	1 40	31 2	7 36	20 6	20 7	16 36		n.a.
T 28	20 21	4 51	5 16	23 50	0 38	4 47	2 49	24 35	1 5	7 11	1 6	22 39	1 12	23 0	0 35	9 22	1 40	31 1	7 36	20 6	20 6	16 37		n.a.
W29	20 34	0 23	5 1	23 36	0 22	4 55	2 55	24 38	1 5	7 15	1 6	22 38	1 12	23 0	0 35	9 22	1 40	31 1	7 36	20 6	20 6	16 39		n.a.
T 30	20s47	4n 1	4n32	23s20	0s 5	5s 5	3n 0	24s41	1s 5	7s19	1n 6	22s37	1s12	22s59	0s35	9n22	1n40	31s 1	7s36	20s 6	20s 5	16n40		n.a.

Julian Day Number = 1470435.5, Delta T = 05h31m27s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'50, Lahiri = -13°26'49 Julian Calendar 1 Nov. 688 BCE == Greg. Calendar 25 Oct. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 688 BCE
geocentric

DECEMBER 688 BCE (-687) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 9 57	2♐41'26	11♈36	18°R 3	20♎26	24♐ 4	21♎18	25♑ 6	19♑ 2	10♍16	9♑22	28♏29	28♏20	10♉34	n.a.	F 1
S 2	4 13 54	3°42'41	23°27	17♐45	21° 6	24°51	21°29	25°12	19° 5	10°17	9°24	28°30	28°17	10°40	n.a.	S 2
S 3	4 17 50	4°43'56	5♉14	17°16	21°47	25°39	21°41	25°17	19° 7	10°17	9°25	28°30	28°14	10°47	n.a.	S 3
M 4	4 21 47	5°45'11	17° 2	16°35	22°29	26°26	21°52	25°23	19°10	10°18	9°27	28°31	28°11	10°54	n.a.	M 4
T 5	4 25 43	6°46'25	28°53	15°43	23°12	27°13	22° 3	25°28	19°13	10°18	9°29	28°R31	28° 7	11° 0	n.a.	T 5
W 6	4 29 40	7°47'39	10♊49	14°42	23°56	28° 0	22°15	25°34	19°15	10°19	9°30	28°31	28° 4	11° 7	n.a.	W 6
T 7	4 33 36	8°48'53	22°53	13°33	24°42	28°48	22°26	25°40	19°18	10°19	9°32	28°30	28° 1	11°14	n.a.	T 7
F 8	4 37 33	9°50'06	5♋ 5	12°17	25°28	29°35	22°37	25°46	19°21	10°20	9°33	28°29	27°58	11°20	n.a.	F 8
S 9	4 41 29	10°51'19	17°27	10°59	26°15	0♑22	22°48	25°52	19°24	10°20	9°35	28°27	27°55	11°27	n.a.	S 9
S 10	4 45 26	11°52'31	0♌ 2	9°40	27° 3	1°10	22°59	25°58	19°27	10°20	9°37	28°25	27°52	11°34	n.a.	S 10
M11	4 49 23	12°53'43	12°50	8°22	27°52	1°57	23°10	26° 4	19°30	10°21	9°38	28°23	27°48	11°40	n.a.	M11
T 12	4 53 19	13°54'54	25°55	7° 8	28°42	2°44	23°20	26°10	19°33	10°21	9°40	28°21	27°45	11°47	n.a.	T 12
W13	4 57 16	14°56'05	9♍17	6° 0	29°33	3°32	23°31	26°16	19°36	10°21	9°41	28°D21	27°42	11°54	n.a.	W13
T 14	5 1 12	15°57'16	22°58	4°59	0♏24	4°19	23°41	26°22	19°39	10°21	9°43	28°21	27°39	12° 0	n.a.	T 14
F 15	5 5 9	16°58'26	7♎ 0	4° 7	1°16	5° 7	23°52	26°29	19°42	10°22	9°45	28°22	27°36	12° 7	n.a.	F 15
S 16	5 9 5	17°59'36	21°20	3°24	2° 9	5°54	24° 2	26°35	19°45	10°22	9°47	28°23	27°33	12°14	n.a.	S 16
S 17	5 13 2	19° 0'45	5♏58	2°50	3° 3	6°41	24°13	26°41	19°48	10°22	9°48	28°24	27°29	12°20	n.a.	S 17
M18	5 16 58	20° 1'54	20°48	2°25	3°57	7°29	24°23	26°48	19°51	10°22	9°50	28°25	27°26	12°27	n.a.	M18
T 19	5 20 55	21° 3'02	5♐44	2°10	4°52	8°16	24°33	26°54	19°54	10°R22	9°52	28°R25	27°23	12°33	n.a.	T 19
W20	5 24 52	22° 4'09	20°39	2°D 3	5°47	9° 3	24°43	27° 1	19°57	10°22	9°53	28°24	27°20	12°40	n.a.	W20
T 21	5 28 48	23° 5'16	5♑23	2° 5	6°43	9°51	24°53	27° 7	20° 0	10°22	9°55	28°21	27°17	12°47	n.a.	T 21
F 22	5 32 45	24° 6'21	19°51	2°14	7°40	10°38	25° 2	27°14	20° 4	10°22	9°57	28°18	27°13	12°53	n.a.	F 22
S 23	5 36 41	25° 7'25	3♒55	2°30	8°37	11°26	25°12	27°21	20° 7	10°22	9°59	28°14	27°10	13° 0	n.a.	S 23
S 24	5 40 38	26° 8'27	17°33	2°53	9°34	12°13	25°22	27°27	20°10	10°21	10° 0	28° 9	27° 7	13° 7	n.a.	S 24
M25	5 44 34	27° 9'29	0♓45	3°22	10°32	13° 0	25°31	27°34	20°13	10°21	10° 2	28° 6	27° 4	13°13	n.a.	M25
T 26	5 48 31	28°10'28	13°32	3°56	11°31	13°48	25°40	27°41	20°16	10°21	10° 4	28° 4	27° 1	13°20	n.a.	T 26
W27	5 52 28	29°11'27	25°57	4°35	12°30	14°35	25°50	27°48	20°20	10°21	10° 6	28°D 2	26°58	13°27	n.a.	W27
T 28	5 56 24	0♑12'24	8♈ 5	5°19	13°30	15°22	25°59	27°54	20°23	10°21	10° 8	28° 3	26°54	13°33	n.a.	T 28
F 29	6 0 21	1°13'19	20° 1	6° 6	14°29	16°10	26° 8	28° 1	20°26	10°20	10° 9	28° 4	26°51	13°40	n.a.	F 29
S 30	6 4 17	2°14'13	1♉50	6°58	15°30	16°57	26°16	28° 8	20°30	10°20	10°11	28° 6	26°48	13°47	n.a.	S 30
S 31	6 8 14	3♑15'05	13♉37	7♐53	16♏30	17♑44	26♎25	28♑15	20♑33	10♍20	10♑13	28♏ 8	26♏45	13♉53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s59	8n12	3n53	23s 2	0n12	5s15	3n 4	24s44	1s 5	7s24	1n 6	22s36	1s12	22s59	0s35	9n22	1n40	31s 1	7s36	20s 6	20s 4	16n41		n.a.
S 2	21 11	12 3	3 3	22 41	0 31	5 26	3 9	24 46	1 5	7 28	1 6	22 35	1 12	22 58	0 35	9 21	1 40	31 1	7 36	20 6	20 3	16 43		n.a.
S 3	21 23	15 25	2 6	22 19	0 50	5 37	3 13	24 48	1 5	7 32	1 6	22 34	1 12	22 58	0 35	9 21	1 40	31 1	7 36	20 6	20 3	16 44		n.a.
M 4	21 34	18 10	1 3	21 56	1 10	5 50	3 17	24 49	1 6	7 37	1 6	22 33	1 12	22 58	0 35	9 21	1 40	31 0	7 36	20 7	20 2	16 45		n.a.
T 5	21 45	20 10	0s 2	21 30	1 30	6 2	3 21	24 51	1 6	7 41	1 6	22 32	1 12	22 57	0 35	9 21	1 40	31 0	7 36	20 7	20 1	16 47		n.a.
W 6	21 55	21 16	1 8	21 4	1 49	6 16	3 24	24 52	1 6	7 45	1 7	22 30	1 12	22 57	0 35	9 21	1 40	31 0	7 36	20 7	20 1	16 48		n.a.
T 7	22 5	21 24	2 11	20 38	2 8	6 30	3 27	24 52	1 6	7 49	1 7	22 29	1 12	22 56	0 35	9 21	1 40	31 0	7 36	20 6	20 0	16 49		n.a.
F 8	22 14	20 31	3 9	20 12	2 25	6 44	3 30	24 53	1 6	7 53	1 7	22 28	1 12	22 56	0 35	9 21	1 40	31 0	7 35	20 6	19 59	16 51		n.a.
S 9	22 23	18 40	3 59	19 46	2 40	6 59	3 32	24 53	1 6	7 57	1 7	22 27	1 12	22 55	0 35	9 21	1 40	31 0	7 35	20 6	19 58	16 52		n.a.
S 10	22 32	15 53	4 39	19 21	2 54	7 14	3 34	24 53	1 6	8 1	1 7	22 26	1 12	22 55	0 35	9 21	1 40	30 59	7 35	20 5	19 58	16 53		n.a.
M11	22 40	12 19	5 5	18 58	3 5	7 30	3 36	24 52	1 7	8 5	1 7	22 25	1 12	22 55	0 35	9 20	1 41	30 59	7 35	20 5	19 57	16 55		n.a.
T 12	22 48	8 6	5 16	18 38	3 13	7 46	3 38	24 52	1 7	8 9	1 7	22 24	1 12	22 54	0 35	9 20	1 41	30 59	7 35	20 4	19 56	16 56		n.a.
W13	22 55	3 24	5 11	18 20	3 20	8 3	3 40	24 50	1 7	8 13	1 7	22 22	1 12	22 54	0 35	9 20	1 41	30 59	7 35	20 4	19 55	16 57		n.a.
T 14	23 1	1s34	4 48	18 6	3 24	8 20	3 41	24 49	1 7	8 17	1 7	22 21	1 12	22 53	0 35	9 20	1 41	30 59	7 35	20 4	19 55	16 58		n.a.
F 15	23 8	6 36	4 8	17 54	3 25	8 37	3 42	24 47	1 7	8 21	1 7	22 20	1 12	22 53	0 35	9 20	1 41	30 59	7 35	20 4	19 54	17 0		n.a.
S 16	23 14	11 23	3 11	17 47	3 25	8 54	3 43	24 46	1 7	8 25	1 7	22 19	1 12	22 52	0 35	9 20	1 41	30 59	7 35	20 5	19 53	17 1		n.a.
S 17	23 19	15 36	2 1	17 42	3 23	9 12	3 43	24 43	1 7	8 28	1 7	22 17	1 12	22 52	0 35	9 20	1 41	30 58	7 35	20 5	19 53	17 2		n.a.
M18	23 24	18 53	0 42	17 41	3 19	9 30	3 44	24 41	1 7	8 32	1 8	22 16	1 12	22 51	0 35	9 20	1 41	30 58	7 35	20 5	19 52	17 3		n.a.
T 19	23 28	20 54	0n40	17 43	3 14	9 48	3 44	24 38	1 7	8 36	1 8	22 15	1 12	22 51	0 35	9 20	1 41	30 58	7 35	20 5	19 51	17 5		n.a.
W20	23 32	21 27	2 0	17 48	3 8	10 7	3 44	24 35	1 7	8 39	1 8	22 14	1 12	22 50	0 35	9 21	1 41	30 58	7 35	20 5	19 50	17 6		n.a.
T 21	23 36	20 30	3 10	17 55	3 1	10 25	3 44	24 31	1 7	8 43	1 8	22 12	1 12	22 50	0 35	9 21	1 41	30 58	7 35	20 4	19 50	17 7		n.a.
F 22	23 39	18 13	4 6	18 4	2 53	10 44	3 44	24 28	1 7	8 46	1 8	22 11	1 12	22 50	0 35	9 21	1 41	30 58	7 35	20 4	19 49	17 8		n.a.
S 23	23 41	14 54	4 46	18 16	2 45	11 3	3 43	24 24	1 7	8 50	1 8	22 10	1 12	22 49	0 35	9 21	1 41	30 58	7 35	20 3	19 48	17 10		n.a.
S 24	23 43	10 53	5 9	18 29	2 36	11 22	3 43	24 19	1 7	8 53	1 8	22 8	1 12	22 49	0 35	9 21	1 41	30 57	7 35	20 2	19 47	17 11		n.a.
M25	23 45	6 29	5 14	18 44	2 26	11 41	3 42	24 15	1 7	8 57	1 8	22 7	1 12	22 48	0 35	9 21	1 41	30 57	7 35	20 1	19 47	17 12		n.a.
T 26	23 46	1 55	5 3	18 59	2 17	12 0	3 41	24 10	1 7	9 0	1 8	22 6	1 12	22 48	0 35	9 21	1 41	30 57	7 35	20 0	19 46	17 13		n.a.
W27	23 46	2n36	4 38	19 16	2 7	12 19	3 40	24 5	1 7	9 3	1 8	22 4	1 12	22 47	0 35	9 21	1 42	30 57	7 35	20 0	19 45	17 15		n.a.
T 28	23 47	6 56	4 1	19 34	1 57	12 38	3 39	23 59	1 7	9 6	1 9	22 3	1 12	22 47	0 35	9 22	1 42	30 57	7 35	20 0	19 44	17 16		n.a.
F 29	23 46	10 55	3 14	19 52	1 48	12 57	3 37	23 54	1 7	9 10	1 9	22 2	1 12	22 46	0 35	9 22	1 42	30 57	7 35	20 1	19 44	17 17		n.a.
S 30	23 45	14 27	2 19	20 10	1 38	13 16	3 36	23 48	1 7	9 13	1 9	22 0	1 12	22 45	0 35	9 22	1 42	30 57	7 35	20 1	19 43	17 18		n.a.
S 31	23s44	17n24	1n19	20s29	1n28	13s35	3n34	23s42	1s 7	9s16	1n 9	21s59	1s12	22s45	0s35	9n22	1n42	30s57	7s35	20s 1	19s42	17n19		n.a.

Julian Day Number = 1470465.5, Delta T = 05h31m25s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'46, Lahiri = -13°26'45 Julian Calendar 1 Dec. 688 BCE == Greg. Calendar 24 Nov. 688 BCE

The year -687 astronomical counting style corresponds to year 688 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

JANUARY 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 12 10	4♑15'56	25♉26	8♐51	17♏31	18♑31	26♎34	28♑22	20♑36	10°R19	10♑15	28°R 9	26♏42	14♉ 0	n.a.	M 1
T 2	6 16 7	5°16'46	7♊22	9°51	18°33	19°19	26°42	28°29	20°40	10♍19	10°16	28♏ 8	26°39	14° 7	n.a.	T 2
W 3	6 20 3	6°17'33	19°26	10°55	19°35	20° 6	26°51	28°36	20°43	10°18	10°18	28° 6	26°35	14°13	n.a.	W 3
T 4	6 24 0	7°18'20	1♋41	12° 0	20°37	20°53	26°59	28°43	20°47	10°18	10°20	28° 2	26°32	14°20	n.a.	T 4
F 5	6 27 57	8°19'05	14°10	13° 8	21°39	21°40	27° 7	28°51	20°50	10°17	10°22	27°56	26°29	14°27	n.a.	F 5
S 6	6 31 53	9°19'48	26°51	14°18	22°42	22°28	27°15	28°58	20°53	10°17	10°24	27°49	26°26	14°33	n.a.	S 6
S 7	6 35 50	10°20'30	9♌46	15°30	23°45	23°15	27°23	29° 5	20°57	10°16	10°25	27°41	26°23	14°40	n.a.	S 7
M 8	6 39 46	11°21'11	22°54	16°44	24°48	24° 2	27°30	29°12	21° 0	10°15	10°27	27°33	26°19	14°46	n.a.	M 8
T 9	6 43 43	12°21'50	6♍13	17°59	25°52	24°49	27°38	29°19	21° 4	10°15	10°29	27°27	26°16	14°53	n.a.	T 9
W10	6 47 39	13°22'27	19°45	19°16	26°56	25°36	27°45	29°26	21° 7	10°14	10°31	27°22	26°13	15° 0	n.a.	W10
T 11	6 51 36	14°23'04	3♎29	20°34	28° 0	26°23	27°53	29°34	21°10	10°13	10°33	27°20	26°10	15° 6	n.a.	T 11
F 12	6 55 32	15°23'39	17°23	21°54	29° 5	27°10	28° 0	29°41	21°14	10°12	10°35	27°D19	26° 7	15°13	n.a.	F 12
S 13	6 59 29	16°24'12	1♏29	23°15	0♐10	27°57	28° 7	29°48	21°17	10°12	10°36	27°20	26° 4	15°20	n.a.	S 13
S 14	7 3 26	17°24'45	15°45	24°37	1°15	28°45	28°14	29°56	21°21	10°11	10°38	27°21	26° 0	15°26	n.a.	S 14
M15	7 7 22	18°25'16	0♐10	26° 0	2°20	29°32	28°20	0♒ 3	21°24	10°10	10°40	27°R21	25°57	15°33	n.a.	M15
T 16	7 11 19	19°25'45	14°40	27°25	3°25	0♒19	28°27	0°10	21°28	10° 9	10°42	27°20	25°54	15°40	n.a.	T 16
W17	7 15 15	20°26'13	29°10	28°51	4°31	1° 6	28°33	0°18	21°31	10° 8	10°43	27°16	25°51	15°46	n.a.	W17
T 18	7 19 12	21°26'39	13♑35	0♑18	5°37	1°53	28°39	0°25	21°35	10° 7	10°45	27°10	25°48	15°53	n.a.	T 18
F 19	7 23 8	22°27'04	27°49	1°46	6°43	2°39	28°46	0°32	21°38	10° 6	10°47	27° 2	25°45	16° 0	n.a.	F 19
S 20	7 27 5	23°27'26	11♒46	3°15	7°49	3°26	28°52	0°40	21°42	10° 5	10°49	26°52	25°41	16° 6	n.a.	S 20
S 21	7 31 1	24°27'47	25°22	4°45	8°55	4°13	28°57	0°47	21°45	10° 4	10°51	26°42	25°38	16°13	n.a.	S 21
M22	7 34 58	25°28'05	8♓35	6°16	10° 2	5° 0	29° 3	0°55	21°49	10° 3	10°52	26°33	25°35	16°20	n.a.	M22
T 23	7 38 55	26°28'21	21°24	7°49	11° 9	5°47	29° 8	1° 2	21°52	10° 2	10°54	26°25	25°32	16°26	n.a.	T 23
W24	7 42 51	27°28'35	3♈52	9°22	12°16	6°34	29°14	1°10	21°55	10° 1	10°56	26°20	25°29	16°33	n.a.	W24
T 25	7 46 48	28°28'47	16° 3	10°56	13°23	7°21	29°19	1°17	21°59	10° 0	10°58	26°17	25°25	16°40	n.a.	T 25
F 26	7 50 44	29°28'57	28° 0	12°32	14°30	8° 7	29°24	1°24	22° 2	9°59	10°59	26°D16	25°22	16°46	n.a.	F 26
S 27	7 54 41	0♒29'05	9♉50	14° 8	15°37	8°54	29°29	1°32	22° 6	9°58	11° 1	26°17	25°19	16°53	n.a.	S 27
S 28	7 58 37	1°29'10	21°37	15°45	16°45	9°41	29°33	1°39	22° 9	9°57	11° 3	26°R17	25°16	16°59	n.a.	S 28
M29	8 2 34	2°29'13	3♊28	17°24	17°52	10°27	29°38	1°47	22°13	9°55	11° 4	26°17	25°13	17° 6	n.a.	M29
T 30	8 6 30	3°29'14	15°26	19° 4	19° 0	11°14	29°42	1°54	22°16	9°54	11° 6	26°15	25°10	17°13	n.a.	T 30
W31	8 10 27	4♒29'13	27♊37	20♑44	20♐ 8	12♒ 0	29♎46	2♒ 2	22♑19	9♍53	11♑ 8	26♏11	25♏ 6	17♉19	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s42	19n38	0n15	20s48	1n18	13s54	3n32	23s35	1s 7	9s19	1n 9	21s57	1s12	22s44	0s35	9n22	1n42	30s56	7s36	20s 2	19s41	17n21			n.a.
T 2	23 40	21 1	0s50	21 7	1 8	14 13	3 30	23 28	1 7	9 22	1 9	21 56	1 12	22 44	0 35	9 23	1 42	30 56	7 36	20 1	19 41	17 22			n.a.
W 3	23 37	21 28	1 53	21 26	0 58	14 32	3 28	23 21	1 7	9 25	1 9	21 54	1 12	22 43	0 35	9 23	1 42	30 56	7 36	20 1	19 40	17 23			n.a.
T 4	23 34	20 53	2 52	21 44	0 49	14 51	3 26	23 14	1 7	9 28	1 9	21 53	1 12	22 43	0 35	9 23	1 42	30 56	7 36	20 0	19 39	17 24			n.a.
F 5	23 31	19 18	3 44	22 2	0 40	15 9	3 24	23 6	1 7	9 31	1 10	21 51	1 12	22 42	0 35	9 23	1 42	30 56	7 36	19 59	19 38	17 25			n.a.
S 6	23 27	16 44	4 26	22 20	0 30	15 28	3 21	22 59	1 7	9 33	1 10	21 50	1 12	22 42	0 35	9 24	1 42	30 56	7 36	19 57	19 38	17 27			n.a.
S 7	23 22	13 20	4 54	22 37	0 21	15 46	3 19	22 50	1 7	9 36	1 10	21 49	1 12	22 41	0 35	9 24	1 42	30 56	7 36	19 55	19 37	17 28			n.a.
M 8	23 17	9 14	5 8	22 54	0 12	16 4	3 16	22 42	1 7	9 39	1 10	21 47	1 12	22 41	0 35	9 24	1 42	30 56	7 36	19 53	19 36	17 29			n.a.
T 9	23 12	4 38	5 5	23 10	0 4	16 22	3 13	22 33	1 7	9 41	1 10	21 46	1 12	22 40	0 35	9 24	1 42	30 56	7 36	19 52	19 35	17 30			n.a.
W10	23 6	0s16	4 46	23 25	0s 5	16 39	3 11	22 25	1 7	9 44	1 10	21 44	1 12	22 40	0 35	9 25	1 42	30 56	7 36	19 51	19 35	17 31			n.a.
T 11	22 59	5 13	4 10	23 39	0 13	16 57	3 8	22 15	1 6	9 46	1 10	21 43	1 12	22 39	0 35	9 25	1 42	30 56	7 36	19 50	19 34	17 32			n.a.
F 12	22 52	9 58	3 19	23 52	0 21	17 14	3 5	22 6	1 6	9 49	1 10	21 41	1 12	22 39	0 35	9 25	1 43	30 55	7 36	19 50	19 33	17 34			n.a.
S 13	22 45	14 16	2 15	24 5	0 29	17 31	3 2	21 57	1 6	9 51	1 11	21 39	1 13	22 38	0 35	9 26	1 43	30 55	7 36	19 50	19 32	17 35			n.a.
S 14	22 37	17 47	1 2	24 16	0 36	17 47	2 59	21 47	1 6	9 54	1 11	21 38	1 13	22 38	0 35	9 26	1 43	30 55	7 36	19 51	19 32	17 36			n.a.
M15	22 29	20 13	0n15	24 26	0 44	18 3	2 55	21 37	1 6	9 56	1 11	21 36	1 13	22 37	0 35	9 27	1 43	30 55	7 36	19 51	19 31	17 37			n.a.
T 16	22 21	21 22	1 32	24 36	0 51	18 19	2 52	21 26	1 6	9 58	1 11	21 35	1 13	22 36	0 35	9 27	1 43	30 55	7 37	19 50	19 30	17 38			n.a.
W17	22 12	21 4	2 43	24 44	0 57	18 35	2 49	21 16	1 6	10 0	1 11	21 33	1 13	22 36	0 35	9 27	1 43	30 55	7 37	19 50	19 29	17 39			n.a.
T 18	22 2	19 23	3 42	24 50	1 4	18 50	2 45	21 5	1 5	10 2	1 11	21 32	1 13	22 35	0 35	9 28	1 43	30 55	7 37	19 48	19 29	17 40			n.a.
F 19	21 53	16 32	4 27	24 56	1 10	19 5	2 42	20 54	1 5	10 4	1 11	21 30	1 13	22 35	0 35	9 28	1 43	30 55	7 37	19 46	19 28	17 42			n.a.
S 20	21 42	12 47	4 55	25 0	1 16	19 19	2 38	20 43	1 5	10 6	1 12	21 29	1 13	22 34	0 35	9 29	1 43	30 55	7 37	19 44	19 27	17 43			n.a.
S 21	21 32	8 27	5 5	25 3	1 22	19 33	2 35	20 31	1 5	10 8	1 12	21 27	1 13	22 34	0 35	9 29	1 43	30 55	7 37	19 42	19 26	17 44			n.a.
M22	21 21	3 51	4 59	25 5	1 27	19 47	2 31	20 20	1 5	10 10	1 12	21 25	1 13	22 33	0 35	9 29	1 43	30 55	7 37	19 39	19 26	17 45			n.a.
T 23	21 9	0n47	4 37	25 4	1 32	20 0	2 27	20 8	1 5	10 12	1 12	21 24	1 13	22 33	0 35	9 30	1 43	30 55	7 37	19 38	19 25	17 46			n.a.
W24	20 57	5 16	4 3	25 3	1 37	20 13	2 23	19 56	1 4	10 14	1 12	21 22	1 13	22 32	0 35	9 30	1 43	30 55	7 37	19 36	19 24	17 47			n.a.
T 25	20 45	9 26	3 18	25 0	1 41	20 25	2 20	19 44	1 4	10 16	1 12	21 21	1 13	22 31	0 35	9 31	1 43	30 55	7 37	19 36	19 23	17 48			n.a.
F 26	20 33	13 10	2 25	24 55	1 45	20 37	2 16	19 31	1 4	10 17	1 12	21 19	1 13	22 31	0 35	9 31	1 43	30 55	7 38	19 35	19 22	17 49			n.a.
S 27	20 20	16 20	1 27	24 49	1 49	20 48	2 12	19 19	1 4	10 19	1 13	21 17	1 13	22 30	0 35	9 32	1 43	30 55	7 38	19 36	19 22	17 50			n.a.
S 28	20 7	18 50	0 25	24 41	1 52	20 59	2 8	19 6	1 4	10 20	1 13	21 16	1 13	22 30	0 35	9 32	1 43	30 55	7 38	19 36	19 21	17 51			n.a.
M29	19 53	20 31	0s38	24 32	1 55	21 9	2 4	18 53	1 3	10 22	1 13	21 14	1 13	22 29	0 35	9 33	1 43	30 55	7 38	19 36	19 20	17 53			n.a.
T 30	19 39	21 18	1 40	24 21	1 58	21 19	2 0	18 40	1 3	10 23	1 13	21 12	1 13	22 29	0 35	9 33	1 43	30 55	7 38	19 35	19 19	17 54			n.a.
W31	19s25	21n 7	2s39	24s 8	2s 0	21s28	1n56	18s26	1s 3	10s24	1n13	21s11	1s14	22s28	0s35	9n34	1n43	30s55	7s38	19s34	19s19	17n55			n.a.

Julian Day Number = 1470496.5, Delta T = 05h31m24s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'42, Lahiri = -13°26'41 Julian Calendar 1 Jan. 687 BCE == Greg. Calendar 25 Dec. 688 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

FEBRUARY 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 14 24	5♒29'09	10♋ 4	22♑26	21♐16	12♒47	29♎50	2♒ 9	22♑23	9°R52	11♑10	26°R 4	25♏ 3	17♉26	n.a.	T 1
F 2	8 18 20	6°29'03	22°47	24° 9	22°24	13°33	29°54	2°16	22°26	9♍50	11°11	25♏55	25° 0	17°33	n.a.	F 2
S 3	8 22 17	7°28'55	5♌49	25°53	23°32	14°20	29°58	2°24	22°30	9°49	11°13	25°43	24°57	17°39	n.a.	S 3
S 4	8 26 13	8°28'45	19° 7	27°38	24°41	15° 6	0♏ 1	2°31	22°33	9°48	11°15	25°31	24°54	17°46	n.a.	S 4
M 5	8 30 10	9°28'33	2♍40	29°24	25°49	15°53	0° 4	2°39	22°36	9°46	11°16	25°19	24°50	17°53	n.a.	M 5
T 6	8 34 6	10°28'19	16°24	1♒12	26°58	16°39	0° 7	2°46	22°40	9°45	11°18	25° 9	24°47	17°59	n.a.	T 6
W 7	8 38 3	11°28'03	0♎17	3° 0	28° 7	17°25	0°10	2°54	22°43	9°44	11°19	25° 0	24°44	18° 6	n.a.	W 7
T 8	8 41 59	12°27'45	14°16	4°50	29°16	18°12	0°13	3° 1	22°46	9°42	11°21	24°55	24°41	18°13	n.a.	T 8
F 9	8 45 56	13°27'25	28°18	6°41	0♑25	18°58	0°16	3° 8	22°50	9°41	11°23	24°53	24°38	18°19	n.a.	F 9
S 10	8 49 52	14°27'04	12♏23	8°33	1°34	19°44	0°18	3°16	22°53	9°39	11°24	24°D52	24°35	18°26	n.a.	S 10
S 11	8 53 49	15°26'40	26°29	10°27	2°43	20°30	0°20	3°23	22°56	9°38	11°26	24°R52	24°31	18°33	n.a.	S 11
M12	8 57 46	16°26'15	10♐36	12°21	3°52	21°16	0°22	3°30	22°59	9°36	11°27	24°51	24°28	18°39	n.a.	M12
T 13	9 1 42	17°25'48	24°42	14°17	5° 1	22° 3	0°24	3°38	23° 3	9°35	11°29	24°49	24°25	18°46	n.a.	T 13
W14	9 5 39	18°25'19	8♑45	16°14	6°11	22°49	0°26	3°45	23° 6	9°34	11°30	24°44	24°22	18°52	n.a.	W14
T 15	9 9 35	19°24'48	22°44	18°12	7°20	23°35	0°27	3°52	23° 9	9°32	11°32	24°36	24°19	18°59	n.a.	T 15
F 16	9 13 32	20°24'15	6♒33	20°10	8°30	24°21	0°28	3°59	23°12	9°30	11°33	24°25	24°16	19° 6	n.a.	F 16
S 17	9 17 28	21°23'40	20°10	22°10	9°40	25° 7	0°29	4° 7	23°15	9°29	11°35	24°12	24°12	19°12	n.a.	S 17
S 18	9 21 25	22°23'03	3♓30	24°11	10°49	25°52	0°30	4°14	23°19	9°27	11°36	23°59	24° 9	19°19	n.a.	S 18
M19	9 25 21	23°22'24	16°33	26°12	11°59	26°38	0°31	4°21	23°22	9°26	11°38	23°47	24° 6	19°26	n.a.	M19
T 20	9 29 18	24°21'42	29°16	28°14	13° 9	27°24	0°31	4°28	23°25	9°24	11°39	23°36	24° 3	19°32	n.a.	T 20
W21	9 33 15	25°20'58	11♈41	0♓16	14°19	28°10	0°32	4°35	23°28	9°23	11°40	23°28	24° 0	19°39	n.a.	W21
T 22	9 37 11	26°20'11	23°51	2°18	15°29	28°56	0°R32	4°43	23°31	9°21	11°42	23°23	23°56	19°46	n.a.	T 22
F 23	9 41 8	27°19'22	5♉48	4°21	16°39	29°41	0°32	4°50	23°34	9°20	11°43	23°20	23°53	19°52	n.a.	F 23
S 24	9 45 4	28°18'31	17°38	6°23	17°49	0♓27	0°32	4°57	23°37	9°18	11°44	23°19	23°50	19°59	n.a.	S 24
S 25	9 49 1	29°17'37	29°26	8°24	18°59	1°12	0°31	5° 4	23°40	9°16	11°46	23°19	23°47	20° 6	n.a.	S 25
M26	9 52 57	0♓16'41	11♊17	10°24	20° 9	1°58	0°31	5°11	23°43	9°15	11°47	23°19	23°44	20°12	n.a.	M26
T 27	9 56 54	1°15'43	23°17	12°23	21°20	2°43	0°30	5°18	23°46	9°13	11°48	23°17	23°41	20°19	n.a.	T 27
W28	10 0 50	2♓14'42	5♋31	14♓21	22♑30	3♓29	0♏29	5♒25	23♑49	9♍11	11♑50	23♏14	23♏37	20♉25	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s10	19n53	3s31	23s53	2s 2	21s37	1n52	18s13	1s 3	10s26	1n13	21s 9	1s14	22s28	0s35	9n34	1n44	30s55	7s38	19s33	19s18	17n56		n.a.
F 2	18 55	17 39	4 13	23 36	2 3	21 45	1 48	17 59	1 2	10 27	1 14	21 8	1 14	22 27	0 35	9 35	1 44	30 55	7 39	19 30	19 17	17 57		n.a.
S 3	18 40	14 30	4 44	23 18	2 4	21 53	1 44	17 45	1 2	10 28	1 14	21 6	1 14	22 26	0 35	9 35	1 44	30 55	7 39	19 28	19 16	17 58		n.a.
S 4	18 24	10 33	5 0	22 58	2 5	22 0	1 40	17 31	1 2	10 29	1 14	21 4	1 14	22 26	0 35	9 36	1 44	30 55	7 39	19 25	19 16	17 59		n.a.
M 5	18 8	6 1	4 59	22 36	2 5	22 7	1 36	17 17	1 2	10 30	1 14	21 3	1 14	22 25	0 35	9 37	1 44	30 55	7 39	19 22	19 15	18 0		n.a.
T 6	17 52	1 8	4 41	22 11	2 4	22 13	1 32	17 2	1 1	10 31	1 14	21 1	1 14	22 25	0 35	9 37	1 44	30 55	7 39	19 19	19 14	18 1		n.a.
W 7	17 35	3s53	4 7	21 46	2 3	22 18	1 28	16 48	1 1	10 32	1 14	20 59	1 14	22 24	0 35	9 38	1 44	30 55	7 39	19 17	19 13	18 2		n.a.
T 8	17 18	8 44	3 17	21 18	2 2	22 23	1 23	16 33	1 1	10 33	1 14	20 58	1 14	22 24	0 35	9 38	1 44	30 55	7 40	19 16	19 12	18 3		n.a.
F 9	17 1	13 8	2 16	20 48	2 0	22 27	1 19	16 18	1 0	10 34	1 15	20 56	1 14	22 23	0 35	9 39	1 44	30 55	7 40	19 15	19 12	18 4		n.a.
S 10	16 44	16 49	1 6	20 16	1 58	22 31	1 15	16 3	1 0	10 34	1 15	20 54	1 14	22 23	0 35	9 39	1 44	30 55	7 40	19 15	19 11	18 5		n.a.
S 11	16 26	19 30	0n 9	19 42	1 55	22 34	1 11	15 48	1 0	10 35	1 15	20 53	1 14	22 22	0 35	9 40	1 44	30 55	7 40	19 15	19 10	18 6		n.a.
M12	16 8	21 0	1 22	19 7	1 51	22 36	1 7	15 33	0 59	10 35	1 15	20 51	1 15	22 22	0 35	9 41	1 44	30 55	7 40	19 15	19 9	18 7		n.a.
T 13	15 50	21 9	2 31	18 29	1 47	22 38	1 3	15 17	0 59	10 36	1 15	20 49	1 15	22 21	0 35	9 41	1 44	30 55	7 40	19 14	19 8	18 8		n.a.
W14	15 31	20 0	3 30	17 49	1 43	22 39	0 59	15 2	0 59	10 36	1 15	20 48	1 15	22 20	0 35	9 42	1 44	30 55	7 41	19 13	19 8	18 9		n.a.
T 15	15 12	17 38	4 16	17 8	1 37	22 39	0 55	14 46	0 58	10 37	1 16	20 46	1 15	22 20	0 35	9 42	1 44	30 55	7 41	19 11	19 7	18 10		n.a.
F 16	14 53	14 17	4 46	16 25	1 32	22 39	0 51	14 30	0 58	10 37	1 16	20 44	1 15	22 19	0 35	9 43	1 44	30 55	7 41	19 8	19 6	18 11		n.a.
S 17	14 34	10 14	5 0	15 39	1 25	22 38	0 47	14 14	0 58	10 37	1 16	20 43	1 15	22 19	0 35	9 44	1 44	30 55	7 41	19 5	19 5	18 12		n.a.
S 18	14 15	5 46	4 56	14 53	1 18	22 37	0 43	13 58	0 57	10 37	1 16	20 41	1 15	22 18	0 35	9 44	1 44	30 55	7 41	19 2	19 4	18 13		n.a.
M19	13 55	1 8	4 37	14 4	1 11	22 35	0 39	13 42	0 57	10 38	1 16	20 39	1 15	22 18	0 35	9 45	1 44	30 55	7 42	18 59	19 4	18 14		n.a.
T 20	13 35	3n26	4 5	13 14	1 3	22 32	0 35	13 26	0 57	10 38	1 16	20 38	1 15	22 17	0 35	9 45	1 44	30 55	7 42	18 56	19 3	18 15		n.a.
W21	13 15	7 46	3 21	12 23	0 54	22 29	0 31	13 10	0 56	10 38	1 16	20 36	1 15	22 17	0 35	9 46	1 44	30 55	7 42	18 54	19 2	18 16		n.a.
T 22	12 55	11 41	2 29	11 30	0 45	22 25	0 27	12 53	0 56	10 38	1 17	20 35	1 16	22 16	0 35	9 47	1 44	30 55	7 42	18 53	19 1	18 17		n.a.
F 23	12 34	15 5	1 32	10 36	0 35	22 20	0 23	12 36	0 56	10 37	1 17	20 33	1 16	22 16	0 35	9 47	1 44	30 56	7 42	18 52	19 1	18 18		n.a.
S 24	12 14	17 49	0 30	9 41	0 25	22 15	0 19	12 20	0 55	10 37	1 17	20 31	1 16	22 15	0 35	9 48	1 44	30 56	7 43	18 52	19 0	18 19		n.a.
S 25	11 53	19 47	0s32	8 45	0 14	22 9	0 16	12 3	0 55	10 37	1 17	20 30	1 16	22 15	0 35	9 49	1 44	30 56	7 43	18 52	18 59	18 20		n.a.
M26	11 32	20 54	1 34	7 49	0 3	22 3	0 12	11 46	0 55	10 36	1 17	20 28	1 16	22 14	0 35	9 49	1 44	30 56	7 43	18 52	18 58	18 21		n.a.
T 27	11 11	21 5	2 32	6 53	0n 8	21 56	0 8	11 29	0 54	10 36	1 17	20 26	1 16	22 14	0 35	9 50	1 44	30 56	7 43	18 51	18 57	18 22		n.a.
W28	10s49	20n16	3s24	5s56	0n20	21s48	0n 4	11s12	0s54	10s36	1n17	20s25	1s16	22s13	0s35	9n50	1n44	30s56	7s43	18s50	18s57	18n23		n.a.

Julian Day Number = 1470527.5, Delta T = 05h31m22s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'37, Lahiri = -13°26'37 Julian Calendar 1 Feb. 687 BCE == Greg. Calendar 25 Jan. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

MARCH 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 4 47	3♓13'38	18♋ 4	16♓16	23♉40	4♓14	0°R28	5♒32	23♉52	9°R10	11♉51	23°R 7	23♏34	20♉32	n.a.	T 1
F 2	10 8 43	4°12'33	0♌57	18° 9	24°51	5° 0	0♏26	5°38	23°54	9♍ 8	11°52	22♏58	23°31	20°39	n.a.	F 2
S 3	10 12 40	5°11'25	14°12	19°59	26° 1	5°45	0°25	5°45	23°57	9° 7	11°53	22°47	23°28	20°45	n.a.	S 3
S 4	10 16 37	6°10'15	27°50	21°46	27°12	6°30	0°23	5°52	24° 0	9° 5	11°55	22°35	23°25	20°52	n.a.	S 4
M 5	10 20 33	7° 9'02	11♍46	23°29	28°22	7°15	0°21	5°59	24° 3	9° 3	11°56	22°24	23°22	20°59	n.a.	M 5
T 6	10 24 30	8° 7'48	25°56	25° 9	29°33	8° 0	0°19	6° 6	24° 5	9° 2	11°57	22°13	23°18	21° 5	n.a.	T 6
W 7	10 28 26	9° 6'31	10♎16	26°44	0♒44	8°46	0°17	6°12	24° 8	9° 0	11°58	22° 5	23°15	21°12	n.a.	W 7
T 8	10 32 23	10° 5'13	24°39	28°15	1°55	9°31	0°14	6°19	24°11	8°58	11°59	22° 0	23°12	21°19	n.a.	T 8
F 9	10 36 19	11° 3'52	9♏ 0	29°41	3° 5	10°16	0°12	6°25	24°13	8°57	12° 0	21°58	23° 9	21°25	n.a.	F 9
S 10	10 40 16	12° 2'30	23°17	1♈ 2	4°16	11° 1	0° 9	6°32	24°16	8°55	12° 1	21°D57	23° 6	21°32	n.a.	S 10
S 11	10 44 12	13° 1'06	7♐27	2°19	5°27	11°46	0° 6	6°38	24°19	8°53	12° 2	21°R58	23° 2	21°39	n.a.	S 11
M12	10 48 9	13°59'41	21°29	3°30	6°38	12°30	0° 3	6°45	24°21	8°52	12° 3	21°58	22°59	21°45	n.a.	M12
T 13	10 52 6	14°58'14	5♑23	4°35	7°49	13°15	29♎59	6°51	24°24	8°50	12° 4	21°56	22°56	21°52	n.a.	T 13
W14	10 56 2	15°56'45	19° 7	5°35	9° 0	14° 0	29°56	6°58	24°26	8°49	12° 5	21°52	22°53	21°59	n.a.	W14
T 15	10 59 59	16°55'14	2♒42	6°29	10°11	14°45	29°52	7° 4	24°29	8°47	12° 6	21°45	22°50	22° 5	n.a.	T 15
F 16	11 3 55	17°53'41	16° 6	7°18	11°22	15°29	29°48	7°10	24°31	8°45	12° 7	21°36	22°47	22°12	n.a.	F 16
S 17	11 7 52	18°52'07	29°18	8° 1	12°33	16°14	29°44	7°17	24°33	8°44	12° 8	21°26	22°43	22°18	n.a.	S 17
S 18	11 11 48	19°50'30	12♓17	8°38	13°45	16°59	29°40	7°23	24°36	8°42	12° 9	21°15	22°40	22°25	n.a.	S 18
M19	11 15 45	20°48'52	25° 2	9° 9	14°56	17°43	29°36	7°29	24°38	8°40	12°10	21° 5	22°37	22°32	n.a.	M19
T 20	11 19 41	21°47'12	7♈32	9°34	16° 7	18°28	29°31	7°35	24°40	8°39	12°11	20°56	22°34	22°38	n.a.	T 20
W21	11 23 38	22°45'29	19°48	9°53	17°18	19°12	29°26	7°41	24°42	8°37	12°11	20°49	22°31	22°45	n.a.	W21
T 22	11 27 34	23°43'45	1♉52	10° 7	18°30	19°56	29°22	7°47	24°44	8°36	12°12	20°45	22°27	22°52	n.a.	T 22
F 23	11 31 31	24°41'59	13°47	10°14	19°41	20°41	29°17	7°53	24°47	8°34	12°13	20°43	22°24	22°58	n.a.	F 23
S 24	11 35 28	25°40'10	25°36	10°R16	20°52	21°25	29°12	7°59	24°49	8°33	12°14	20°D43	22°21	23° 5	n.a.	S 24
S 25	11 39 24	26°38'20	7♊23	10°13	22° 4	22° 9	29° 6	8° 4	24°51	8°31	12°14	20°43	22°18	23°12	n.a.	S 25
M26	11 43 21	27°36'28	19°14	10° 4	23°15	22°53	29° 1	8°10	24°53	8°29	12°15	20°44	22°15	23°18	n.a.	M26
T 27	11 47 17	28°34'33	1♋14	9°50	24°27	23°37	28°55	8°16	24°55	8°28	12°16	20°R45	22°12	23°25	n.a.	T 27
W28	11 51 14	29°32'36	13°27	9°32	25°38	24°21	28°50	8°21	24°57	8°26	12°16	20°44	22° 8	23°32	n.a.	W28
T 29	11 55 10	0♈30'38	26° 0	9° 9	26°50	25° 5	28°44	8°27	24°59	8°25	12°17	20°41	22° 5	23°38	n.a.	T 29
F 30	11 59 7	1°28'37	8♌56	8°43	28° 1	25°49	28°38	8°32	25° 0	8°23	12°17	20°36	22° 2	23°45	n.a.	F 30
S 31	12 3 3	2♈26'34	22♌16	8♈13	29♒13	26♓33	28♎32	8♒38	25♉ 2	8♍22	12♉18	20♏29	21♏59	23♉51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	10s28	18n27	4s 7	5s 0	0n32	21s39	0n 1	10s55	0s53	10s35	1n18	20s23	1s16	22s13	0s35	9n51	1n44	30s56	7s44	18s49	18s56	18n24			n.a.
F 2	10 6	15 41	4 40	4 5	0 44	21 30	0s 3	10 38	0 53	10 34	1 18	20 22	1 16	22 12	0 35	9 52	1 44	30 56	7 44	18 47	18 55	18 25			n.a.
S 3	9 44	12 3	4 58	3 10	0 56	21 21	0 6	10 21	0 53	10 34	1 18	20 20	1 17	22 12	0 35	9 52	1 44	30 56	7 44	18 44	18 54	18 26			n.a.
S 4	9 22	7 42	5 0	2 16	1 8	21 11	0 10	10 3	0 52	10 33	1 18	20 18	1 17	22 11	0 35	9 53	1 44	30 56	7 44	18 41	18 53	18 27			n.a.
M 5	9 0	2 52	4 45	1 24	1 20	21 0	0 13	9 46	0 52	10 32	1 18	20 17	1 17	22 11	0 35	9 54	1 44	30 57	7 45	18 38	18 52	18 28			n.a.
T 6	8 38	2s12	4 11	0 34	1 31	20 48	0 17	9 28	0 51	10 31	1 18	20 15	1 17	22 11	0 35	9 54	1 44	30 57	7 45	18 35	18 52	18 29			n.a.
W 7	8 16	7 13	3 22	0n15	1 43	20 36	0 20	9 11	0 51	10 30	1 18	20 14	1 17	22 10	0 35	9 55	1 44	30 57	7 45	18 33	18 51	18 29			n.a.
T 8	7 54	11 50	2 20	1 2	1 54	20 24	0 23	8 53	0 50	10 29	1 18	20 12	1 17	22 10	0 35	9 56	1 44	30 57	7 45	18 32	18 50	18 30			n.a.
F 9	7 31	15 47	1 8	1 46	2 4	20 10	0 27	8 36	0 50	10 28	1 19	20 11	1 17	22 9	0 35	9 56	1 44	30 57	7 46	18 31	18 49	18 31			n.a.
S 10	7 8	18 45	0n 7	2 28	2 14	19 57	0 30	8 18	0 50	10 27	1 19	20 9	1 18	22 9	0 35	9 57	1 44	30 57	7 46	18 31	18 48	18 32			n.a.
S 11	6 46	20 31	1 22	3 7	2 24	19 42	0 33	8 0	0 49	10 26	1 19	20 8	1 18	22 8	0 35	9 57	1 44	30 57	7 46	18 31	18 48	18 33			n.a.
M12	6 23	21 0	2 30	3 44	2 33	19 27	0 36	7 43	0 49	10 25	1 19	20 6	1 18	22 8	0 35	9 58	1 44	30 57	7 46	18 31	18 47	18 34			n.a.
T 13	6 0	20 11	3 30	4 18	2 41	19 12	0 39	7 25	0 48	10 24	1 19	20 5	1 18	22 7	0 36	9 59	1 44	30 58	7 47	18 30	18 46	18 35			n.a.
W14	5 37	18 10	4 16	4 48	2 48	18 56	0 42	7 7	0 48	10 22	1 19	20 3	1 18	22 7	0 36	9 59	1 44	30 58	7 47	18 29	18 45	18 36			n.a.
T 15	5 14	15 10	4 47	5 16	2 54	18 40	0 45	6 49	0 47	10 21	1 19	20 2	1 18	22 7	0 36	10 0	1 44	30 58	7 47	18 28	18 44	18 37			n.a.
F 16	4 51	11 26	5 2	5 41	2 59	18 22	0 48	6 31	0 47	10 19	1 19	20 0	1 18	22 6	0 36	10 1	1 44	30 58	7 47	18 25	18 44	18 38			n.a.
S 17	4 28	7 11	5 1	6 2	3 4	18 5	0 50	6 13	0 46	10 18	1 19	19 59	1 19	22 6	0 36	10 1	1 44	30 58	7 48	18 22	18 43	18 38			n.a.
S 18	4 5	2 41	4 44	6 20	3 7	17 47	0 53	5 55	0 46	10 16	1 20	19 57	1 19	22 5	0 36	10 2	1 44	30 58	7 48	18 20	18 42	18 39			n.a.
M19	3 41	1n51	4 13	6 34	3 9	17 28	0 56	5 37	0 45	10 15	1 20	19 56	1 19	22 5	0 36	10 2	1 44	30 59	7 48	18 17	18 41	18 40			n.a.
T 20	3 18	6 14	3 30	6 45	3 10	17 9	0 58	5 19	0 45	10 13	1 20	19 54	1 19	22 5	0 36	10 3	1 44	30 59	7 48	18 14	18 40	18 41			n.a.
W21	2 55	10 17	2 38	6 53	3 10	16 50	1 1	5 1	0 44	10 11	1 20	19 53	1 19	22 4	0 36	10 4	1 44	30 59	7 49	18 13	18 39	18 42			n.a.
T 22	2 31	13 51	1 39	6 57	3 9	16 30	1 3	4 43	0 44	10 9	1 20	19 51	1 19	22 4	0 36	10 4	1 44	30 59	7 49	18 11	18 39	18 43			n.a.
F 23	2 8	16 47	0 37	6 57	3 6	16 9	1 6	4 25	0 44	10 8	1 20	19 50	1 19	22 4	0 36	10 5	1 44	30 59	7 49	18 11	18 38	18 44			n.a.
S 24	1 45	19 0	0s26	6 54	3 2	15 49	1 8	4 6	0 43	10 6	1 20	19 49	1 20	22 3	0 36	10 5	1 44	31 0	7 49	18 11	18 37	18 44			n.a.
S 25	1 21	20 24	1 29	6 48	2 57	15 27	1 10	3 48	0 43	10 4	1 20	19 47	1 20	22 3	0 36	10 6	1 44	31 0	7 50	18 11	18 36	18 45			n.a.
M26	0 58	20 53	2 28	6 38	2 50	15 6	1 12	3 30	0 42	10 2	1 20	19 46	1 20	22 3	0 36	10 7	1 44	31 0	7 50	18 11	18 35	18 46			n.a.
T 27	0 34	20 26	3 21	6 25	2 42	14 43	1 14	3 12	0 42	10 0	1 20	19 45	1 20	22 2	0 36	10 7	1 44	31 0	7 50	18 11	18 34	18 47			n.a.
W28	0 11	19 1	4 6	6 10	2 33	14 21	1 16	2 54	0 41	9 58	1 20	19 43	1 20	22 2	0 36	10 8	1 44	31 0	7 50	18 11	18 34	18 48			n.a.
T 29	0n12	16 39	4 40	5 51	2 22	13 58	1 18	2 36	0 41	9 56	1 20	19 42	1 20	22 2	0 36	10 8	1 44	31 1	7 51	18 10	18 33	18 49			n.a.
F 30	0 36	13 25	5 2	5 29	2 10	13 35	1 20	2 18	0 40	9 53	1 20	19 41	1 21	22 1	0 36	10 9	1 44	31 1	7 51	18 9	18 32	18 49			n.a.
S 31	0n59	9n26	5s 8	5n 6	1n57	13s11	1s22	1s59	0s39	9s51	1n20	19s39	1s21	22s 1	0s36	10n 9	1n44	31s 1	7s51	18s 7	18s31	18n50			n.a.

Julian Day Number = 1470555.5, Delta T = 05h31m21s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'34, Lahiri = -13°26'33 Julian Calendar 1 March 687 BCE == Greg. Calendar 22 Feb. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

APRIL 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 7 0	3♈24'29	6♍ 3	7°R40	0♓24	27♓17	28°R26	8♒43	25♎ 4	8°R20	12♎19	20°R22	21♏56	23♉58	n.a.	S 1
M 2	12 10 57	4°22'23	20°13	7♈ 6	1°36	28° 1	28♎19	8°48	25° 6	8♍19	12°19	20♏14	21°53	24° 5	n.a.	M 2
T 3	12 14 53	5°20'15	4♎42	6°29	2°47	28°45	28°13	8°54	25° 7	8°18	12°20	20° 8	21°49	24°11	n.a.	T 3
W 4	12 18 50	6°18'05	19°25	5°52	3°59	29°28	28° 7	8°59	25° 9	8°16	12°20	20° 3	21°46	24°18	n.a.	W 4
T 5	12 22 46	7°15'53	4♏12	5°15	5°11	0♈12	28° 0	9° 4	25°11	8°15	12°20	20° 0	21°43	24°25	n.a.	T 5
F 6	12 26 43	8°13'40	18°58	4°38	6°22	0°55	27°53	9° 9	25°12	8°13	12°21	19°D59	21°40	24°31	n.a.	F 6
S 7	12 30 39	9°11'26	3♐36	4° 3	7°34	1°39	27°47	9°14	25°14	8°12	12°21	20° 0	21°37	24°38	n.a.	S 7
S 8	12 34 36	10° 9'11	18° 0	3°29	8°46	2°22	27°40	9°19	25°15	8°11	12°22	20° 1	21°33	24°45	n.a.	S 8
M 9	12 38 32	11° 6'54	2♎10	2°57	9°58	3° 6	27°33	9°24	25°16	8° 9	12°22	20° 2	21°30	24°51	n.a.	M 9
T 10	12 42 29	12° 4'36	16° 3	2°28	11°10	3°49	27°26	9°28	25°18	8° 8	12°22	20°R 2	21°27	24°58	n.a.	T 10
W11	12 46 25	13° 2'17	29°40	2° 2	12°22	4°33	27°19	9°33	25°19	8° 7	12°22	20° 1	21°24	25° 5	n.a.	W11
T 12	12 50 22	13°59'57	13♒ 0	1°40	13°33	5°16	27°11	9°37	25°20	8° 6	12°23	19°58	21°21	25°11	n.a.	T 12
F 13	12 54 19	14°57'35	26° 6	1°22	14°45	5°59	27° 4	9°42	25°22	8° 4	12°23	19°54	21°18	25°18	n.a.	F 13
S 14	12 58 15	15°55'13	8♓57	1° 8	15°57	6°42	26°57	9°46	25°23	8° 3	12°23	19°49	21°14	25°24	n.a.	S 14
S 15	13 2 12	16°52'49	21°35	0°58	17° 9	7°25	26°49	9°51	25°24	8° 2	12°23	19°43	21°11	25°31	n.a.	S 15
M16	13 6 8	17°50'24	4♈ 1	0°52	18°21	8° 8	26°42	9°55	25°25	8° 1	12°23	19°38	21° 8	25°38	n.a.	M16
T 17	13 10 5	18°47'57	16°16	0°D51	19°33	8°51	26°34	9°59	25°26	7°59	12°23	19°33	21° 5	25°44	n.a.	T 17
W18	13 14 1	19°45'30	28°21	0°55	20°45	9°34	26°27	10° 3	25°27	7°58	12°24	19°30	21° 2	25°51	n.a.	W18
T 19	13 17 58	20°43'01	10♉17	1° 3	21°57	10°17	26°19	10° 7	25°28	7°57	12°24	19°28	20°58	25°58	n.a.	T 19
F 20	13 21 54	21°40'30	22° 8	1°15	23° 9	11° 0	26°12	10°11	25°29	7°56	12°24	19°D28	20°55	26° 4	n.a.	F 20
S 21	13 25 51	22°37'59	3♊55	1°33	24°21	11°43	26° 4	10°15	25°30	7°55	12°R24	19°29	20°52	26°11	n.a.	S 21
S 22	13 29 48	23°35'26	15°42	1°54	25°34	12°25	25°57	10°19	25°31	7°54	12°24	19°30	20°49	26°18	n.a.	S 22
M23	13 33 44	24°32'52	27°33	2°20	26°46	13° 8	25°49	10°23	25°31	7°53	12°24	19°32	20°46	26°24	n.a.	M23
T 24	13 37 41	25°30'16	9♋33	2°50	27°58	13°51	25°41	10°26	25°32	7°52	12°23	19°33	20°43	26°31	n.a.	T 24
W25	13 41 37	26°27'39	21°46	3°24	29°10	14°33	25°34	10°30	25°33	7°51	12°23	19°R34	20°39	26°38	n.a.	W25
T 26	13 45 34	27°25'01	4♌17	4° 2	0♈22	15°16	25°26	10°33	25°33	7°50	12°23	19°34	20°36	26°44	n.a.	T 26
F 27	13 49 30	28°22'22	17°10	4°44	1°34	15°58	25°18	10°36	25°34	7°49	12°23	19°33	20°33	26°51	n.a.	F 27
S 28	13 53 27	29°19'41	0♍28	5°30	2°47	16°41	25°11	10°40	25°34	7°48	12°23	19°31	20°30	26°58	n.a.	S 28
S 29	13 57 23	0♉16'59	14°13	6°19	3°59	17°23	25° 3	10°43	25°35	7°47	12°23	19°29	20°27	27° 4	n.a.	S 29
M30	14 1 20	1♉14'15	28♍25	7♈12	5♈11	18♈ 5	24♎56	10♒46	25♎35	7♍47	12♎22	19♏26	20♏24	27♉11	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n22	4n50	4s57	4n40	1n44	12s47	1s23	1s41	0s39	9s49	1n20	19s38	1s21	22s 1	0s36	10n10	1n44	31s 1	7s52	18s 5	18s30	18n51		n.a.
M 2	1 46	0s10	4 27	4 13	1 29	12 23	1 25	1 23	0 38	9 47	1 20	19 37	1 21	22 0	0 36	10 10	1 44	31 1	7 52	18 3	18 29	18 52		n.a.
T 3	2 9	5 16	3 40	3 44	1 13	11 58	1 27	1 5	0 38	9 44	1 20	19 36	1 21	22 0	0 36	10 11	1 44	31 2	7 52	18 2	18 29	18 53		n.a.
W 4	2 32	10 8	2 38	3 14	0 57	11 33	1 28	0 47	0 37	9 42	1 21	19 34	1 22	22 0	0 36	10 11	1 44	31 2	7 52	18 0	18 28	18 53		n.a.
T 5	2 55	14 25	1 25	2 44	0 41	11 8	1 29	0 29	0 37	9 40	1 21	19 33	1 22	22 0	0 36	10 12	1 44	31 2	7 53	17 59	18 27	18 54		n.a.
F 6	3 18	17 48	0 6	2 14	0 24	10 42	1 31	0 11	0 36	9 37	1 21	19 32	1 22	21 59	0 36	10 12	1 44	31 2	7 53	17 59	18 26	18 55		n.a.
S 7	3 42	19 58	1n13	1 44	0 7	10 16	1 32	0n 7	0 36	9 35	1 21	19 31	1 22	21 59	0 36	10 13	1 44	31 3	7 53	17 59	18 25	18 56		n.a.
S 8	4 5	20 48	2 27	1 15	0s10	9 50	1 33	0 25	0 35	9 32	1 21	19 30	1 22	21 59	0 36	10 13	1 44	31 3	7 53	18 0	18 24	18 57		n.a.
M 9	4 27	20 16	3 29	0 47	0 27	9 23	1 34	0 43	0 35	9 30	1 21	19 29	1 22	21 59	0 36	10 14	1 44	31 3	7 54	18 0	18 24	18 57		n.a.
T 10	4 50	18 31	4 19	0 20	0 43	8 56	1 35	1 1	0 34	9 27	1 21	19 28	1 23	21 58	0 36	10 14	1 44	31 3	7 54	18 0	18 23	18 58		n.a.
W11	5 13	15 45	4 52	0s 5	0 59	8 29	1 36	1 19	0 34	9 25	1 20	19 27	1 23	21 58	0 36	10 15	1 44	31 4	7 54	18 0	18 22	18 59		n.a.
T 12	5 36	12 12	5 9	0 28	1 15	8 2	1 37	1 37	0 33	9 22	1 20	19 25	1 23	21 58	0 36	10 15	1 44	31 4	7 55	17 59	18 21	19 0		n.a.
F 13	5 58	8 9	5 10	0 49	1 29	7 35	1 37	1 55	0 33	9 19	1 20	19 24	1 23	21 58	0 37	10 16	1 44	31 4	7 55	17 58	18 20	19 0		n.a.
S 14	6 21	3 47	4 55	1 7	1 43	7 7	1 38	2 12	0 32	9 17	1 20	19 23	1 23	21 58	0 37	10 16	1 44	31 4	7 55	17 56	18 19	19 1		n.a.
S 15	6 43	0n40	4 25	1 23	1 56	6 39	1 39	2 30	0 31	9 14	1 20	19 22	1 24	21 57	0 37	10 17	1 44	31 5	7 55	17 55	18 19	19 2		n.a.
M16	7 6	5 2	3 43	1 37	2 8	6 11	1 39	2 48	0 31	9 11	1 20	19 21	1 24	21 57	0 37	10 17	1 44	31 5	7 56	17 53	18 18	19 3		n.a.
T 17	7 28	9 7	2 52	1 47	2 20	5 43	1 40	3 6	0 30	9 9	1 20	19 20	1 24	21 57	0 37	10 18	1 44	31 5	7 56	17 52	18 17	19 3		n.a.
W18	7 50	12 48	1 53	1 55	2 30	5 15	1 40	3 23	0 30	9 6	1 20	19 20	1 24	21 57	0 37	10 18	1 44	31 5	7 56	17 51	18 16	19 4		n.a.
T 19	8 12	15 54	0 50	2 1	2 40	4 46	1 40	3 41	0 29	9 3	1 20	19 19	1 24	21 57	0 37	10 18	1 44	31 6	7 57	17 51	18 15	19 5		n.a.
F 20	8 34	18 19	0s15	2 3	2 48	4 17	1 41	3 58	0 29	9 1	1 20	19 18	1 25	21 57	0 37	10 19	1 44	31 6	7 57	17 51	18 14	19 6		n.a.
S 21	8 56	19 56	1 19	2 3	2 55	3 48	1 41	4 16	0 28	8 58	1 20	19 17	1 25	21 57	0 37	10 19	1 44	31 6	7 57	17 51	18 13	19 6		n.a.
S 22	9 17	20 41	2 20	2 1	3 2	3 20	1 41	4 33	0 28	8 55	1 20	19 16	1 25	21 56	0 37	10 19	1 44	31 6	7 57	17 51	18 13	19 7		n.a.
M23	9 39	20 30	3 15	1 55	3 7	2 50	1 41	4 51	0 27	8 52	1 20	19 15	1 25	21 56	0 37	10 20	1 44	31 7	7 58	17 52	18 12	19 8		n.a.
T 24	10 0	19 24	4 2	1 47	3 12	2 21	1 41	5 8	0 26	8 50	1 20	19 14	1 25	21 56	0 37	10 20	1 44	31 7	7 58	17 52	18 11	19 9		n.a.
W25	10 21	17 23	4 40	1 37	3 16	1 52	1 40	5 25	0 26	8 47	1 20	19 14	1 26	21 56	0 37	10 20	1 44	31 7	7 58	17 52	18 10	19 9		n.a.
T 26	10 42	14 32	5 5	1 24	3 18	1 23	1 40	5 42	0 25	8 44	1 20	19 13	1 26	21 56	0 37	10 21	1 44	31 8	7 58	17 52	18 9	19 10		n.a.
F 27	11 3	10 54	5 15	1 9	3 20	0 53	1 40	5 59	0 25	8 42	1 19	19 12	1 26	21 56	0 37	10 21	1 44	31 8	7 59	17 52	18 8	19 11		n.a.
S 28	11 23	6 38	5 10	0 52	3 21	0 24	1 39	6 17	0 24	8 39	1 19	19 11	1 26	21 56	0 37	10 21	1 43	31 8	7 59	17 52	18 7	19 11		n.a.
S 29	11 44	1 53	4 47	0 32	3 22	0n 6	1 39	6 33	0 23	8 36	1 19	19 11	1 27	21 56	0 37	10 22	1 43	31 8	7 59	17 51	18 7	19 12		n.a.
M30	12n 4	3s 7	4s 6	0s10	3s21	0n35	1s39	6n50	0s23	8s34	1n19	19s10	1s27	21s56	0s37	10n22	1n43	31s 9	8s 0	17s50	18s 6	19n13		n.a.

Julian Day Number = 1470586.5, Delta T = 05h31m19s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'29, Lahiri = -13°26'29 Julian Calendar 1 Apr. 687 BCE == Greg. Calendar 25 March 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

MAY 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 5 17	2♉11'31	13♎ 0	8♈ 9	6♈23	18♈48	24°R48	10♒49	25♏36	7°R46	12°R22	19°R24	20♏20	27♉17	n.a.	T 1
W 2	14 9 13	3° 8'45	27°53	9° 9	7°36	19°30	24♎41	10°52	25°36	7♍45	12♏22	19♏23	20°17	27°24	n.a.	W 2
T 3	14 13 10	4° 5'59	12♏57	10°12	8°48	20°12	24°33	10°55	25°36	7°44	12°22	19°D22	20°14	27°31	n.a.	T 3
F 4	14 17 6	5° 3'12	28° 2	11°19	10° 0	20°54	24°26	10°57	25°36	7°44	12°21	19°22	20°11	27°37	n.a.	F 4
S 5	14 21 3	6° 0'25	13♐ 1	12°29	11°13	21°36	24°18	11° 0	25°37	7°43	12°21	19°23	20° 8	27°44	n.a.	S 5
S 6	14 24 59	6°57'37	27°44	13°42	12°25	22°18	24°11	11° 2	25°37	7°42	12°21	19°24	20° 4	27°51	n.a.	S 6
M 7	14 28 56	7°54'49	12♑ 9	14°58	13°38	23° 0	24° 4	11° 5	25°37	7°42	12°20	19°25	20° 1	27°57	n.a.	M 7
T 8	14 32 52	8°52'00	26°10	16°18	14°50	23°42	23°57	11° 7	25°R37	7°41	12°20	19°25	19°58	28° 4	n.a.	T 8
W 9	14 36 49	9°49'10	9♒49	17°40	16° 2	24°24	23°50	11° 9	25°37	7°40	12°19	19°R25	19°55	28°11	n.a.	W 9
T 10	14 40 46	10°46'21	23° 5	19° 5	17°15	25° 5	23°43	11°12	25°37	7°40	12°19	19°25	19°52	28°17	n.a.	T 10
F 11	14 44 42	11°43'31	6♓ 2	20°34	18°27	25°47	23°36	11°14	25°37	7°39	12°18	19°25	19°49	28°24	n.a.	F 11
S 12	14 48 39	12°40'41	18°40	22° 5	19°40	26°29	23°29	11°16	25°36	7°39	12°18	19°24	19°45	28°31	n.a.	S 12
S 13	14 52 35	13°37'50	1♈ 4	23°39	20°53	27°10	23°22	11°17	25°36	7°38	12°17	19°23	19°42	28°37	n.a.	S 13
M14	14 56 32	14°34'59	13°15	25°16	22° 5	27°52	23°15	11°19	25°36	7°38	12°17	19°23	19°39	28°44	n.a.	M14
T 15	15 0 28	15°32'08	25°17	26°56	23°18	28°34	23° 9	11°21	25°36	7°38	12°16	19°22	19°36	28°51	n.a.	T 15
W16	15 4 25	16°29'17	7♉12	28°39	24°30	29°15	23° 2	11°22	25°35	7°37	12°15	19°22	19°33	28°57	n.a.	W16
T 17	15 8 21	17°26'25	19° 2	0♉25	25°43	29°56	22°56	11°24	25°35	7°37	12°15	19°D22	19°30	29° 4	n.a.	T 17
F 18	15 12 18	18°23'33	0♊49	2°13	26°56	0♉38	22°49	11°25	25°34	7°36	12°14	19°22	19°26	29°10	n.a.	F 18
S 19	15 16 15	19°20'40	12°37	4° 4	28° 8	1°19	22°43	11°27	25°34	7°36	12°13	19°R22	19°23	29°17	n.a.	S 19
S 20	15 20 11	20°17'47	24°26	5°58	29°21	2° 0	22°37	11°28	25°33	7°36	12°13	19°22	19°20	29°24	n.a.	S 20
M21	15 24 8	21°14'54	6♋21	7°54	0♉34	2°42	22°31	11°29	25°33	7°36	12°12	19°22	19°17	29°30	n.a.	M21
T 22	15 28 4	22°12'01	18°24	9°52	1°47	3°23	22°25	11°30	25°32	7°36	12°11	19°21	19°14	29°37	n.a.	T 22
W23	15 32 1	23° 9'07	0♌39	11°53	2°59	4° 4	22°20	11°31	25°31	7°35	12°11	19°21	19°10	29°44	n.a.	W23
T 24	15 35 57	24° 6'12	13° 9	13°56	4°12	4°45	22°14	11°31	25°31	7°35	12°10	19°21	19° 7	29°50	n.a.	T 24
F 25	15 39 54	25° 3'17	25°59	16° 0	5°25	5°26	22° 9	11°32	25°30	7°35	12° 9	19°D21	19° 4	29°57	n.a.	F 25
S 26	15 43 51	26° 0'22	9♍11	18° 6	6°38	6° 7	22° 4	11°33	25°29	7°35	12° 8	19°21	19° 1	0♊ 4	n.a.	S 26
S 27	15 47 47	26°57'27	22°49	20°14	7°51	6°48	21°58	11°33	25°28	7°D35	12° 7	19°21	18°58	0°10	n.a.	S 27
M28	15 51 44	27°54'31	6♎53	22°22	9° 4	7°29	21°53	11°33	25°27	7°35	12° 6	19°22	18°55	0°17	n.a.	M28
T 29	15 55 40	28°51'35	21°21	24°32	10°17	8° 9	21°49	11°34	25°26	7°35	12° 5	19°23	18°51	0°24	n.a.	T 29
W30	15 59 37	29°48'38	6♏12	26°42	11°30	8°50	21°44	11°34	25°25	7°35	12° 5	19°23	18°48	0°30	n.a.	W30
T 31	16 3 33	0♊45'42	21♏17	28♉52	12♉43	9♉31	21♎39	11°R34	25♏24	7♍35	12♑ 4	19°R23	18♏45	0♊37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n24	8s 5	3s 8	0n14	3s20	1n 5	1s38	7n 7	0s22	8s31	1n19	19s10	1s27	21s56	0s37	10n22	1n43	31s 9	8s 0	17s50	18s 5	19n13			n.a.
W 2	12 44	12 40	1 56	0 39	3 17	1 34	1 37	7 24	0 22	8 28	1 19	19 9	1 27	21 56	0 37	10 22	1 43	31 9	8 0	17 49	18 4	19 14			n.a.
T 3	13 4	16 30	0 35	1 7	3 15	2 4	1 37	7 41	0 21	8 26	1 19	19 8	1 27	21 56	0 37	10 23	1 43	31 10	8 0	17 49	18 3	19 15			n.a.
F 4	13 23	19 13	0n48	1 37	3 11	2 33	1 36	7 57	0 21	8 23	1 19	19 8	1 28	21 56	0 37	10 23	1 43	31 10	8 1	17 49	18 2	19 15			n.a.
S 5	13 43	20 34	2 7	2 8	3 7	3 3	1 35	8 14	0 20	8 20	1 18	19 7	1 28	21 56	0 37	10 23	1 43	31 10	8 1	17 49	18 1	19 16			n.a.
S 6	14 2	20 28	3 17	2 42	3 2	3 32	1 34	8 30	0 19	8 18	1 18	19 7	1 28	21 56	0 37	10 23	1 43	31 11	8 1	17 49	18 1	19 17			n.a.
M 7	14 21	19 1	4 13	3 16	2 56	4 2	1 33	8 46	0 19	8 15	1 18	19 6	1 28	21 56	0 37	10 24	1 43	31 11	8 1	17 50	18 0	19 17			n.a.
T 8	14 39	16 26	4 52	3 53	2 50	4 31	1 32	9 3	0 18	8 13	1 18	19 6	1 29	21 56	0 37	10 24	1 43	31 11	8 2	17 50	17 59	19 18			n.a.
W 9	14 58	13 1	5 13	4 31	2 43	5 0	1 31	9 19	0 18	8 10	1 18	19 5	1 29	21 56	0 37	10 24	1 43	31 11	8 2	17 50	17 58	19 19			n.a.
T 10	15 16	9 2	5 17	5 10	2 36	5 29	1 30	9 35	0 17	8 8	1 18	19 5	1 29	21 56	0 37	10 24	1 43	31 12	8 2	17 50	17 57	19 19			n.a.
F 11	15 34	4 43	5 4	5 51	2 28	5 58	1 28	9 51	0 16	8 5	1 17	19 5	1 29	21 56	0 38	10 24	1 43	31 12	8 3	17 50	17 56	19 20			n.a.
S 12	15 52	0 18	4 37	6 33	2 20	6 27	1 27	10 7	0 16	8 3	1 17	19 4	1 29	21 56	0 38	10 24	1 43	31 12	8 3	17 49	17 55	19 21			n.a.
S 13	16 9	4n 3	3 57	7 17	2 11	6 56	1 26	10 23	0 15	8 1	1 17	19 4	1 30	21 56	0 38	10 25	1 43	31 13	8 3	17 49	17 55	19 21			n.a.
M14	16 26	8 10	3 8	8 1	2 2	7 25	1 24	10 38	0 14	7 58	1 17	19 4	1 30	21 56	0 38	10 25	1 43	31 13	8 3	17 49	17 54	19 22			n.a.
T 15	16 43	11 56	2 10	8 47	1 52	7 54	1 23	10 54	0 14	7 56	1 17	19 4	1 30	21 56	0 38	10 25	1 43	31 13	8 4	17 49	17 53	19 22			n.a.
W16	17 0	15 10	1 7	9 33	1 42	8 22	1 21	11 9	0 13	7 54	1 16	19 3	1 30	21 56	0 38	10 25	1 43	31 14	8 4	17 49	17 52	19 23			n.a.
T 17	17 16	17 45	0 2	10 21	1 32	8 50	1 20	11 25	0 13	7 52	1 16	19 3	1 31	21 57	0 38	10 25	1 43	31 14	8 4	17 49	17 51	19 24			n.a.
F 18	17 33	19 35	1s 3	11 9	1 21	9 18	1 18	11 40	0 12	7 49	1 16	19 3	1 31	21 57	0 38	10 25	1 43	31 14	8 4	17 49	17 50	19 24			n.a.
S 19	17 49	20 33	2 6	11 57	1 10	9 46	1 16	11 55	0 11	7 47	1 16	19 3	1 31	21 57	0 38	10 25	1 43	31 15	8 5	17 49	17 49	19 25			n.a.
S 20	18 4	20 37	3 3	12 46	0 59	10 14	1 15	12 10	0 11	7 45	1 15	19 3	1 31	21 57	0 38	10 25	1 43	31 15	8 5	17 49	17 48	19 25			n.a.
M21	18 20	19 45	3 53	13 35	0 48	10 42	1 13	12 25	0 10	7 43	1 15	19 3	1 32	21 57	0 38	10 25	1 42	31 15	8 5	17 49	17 48	19 26			n.a.
T 22	18 35	17 59	4 33	14 24	0 37	11 9	1 11	12 40	0 10	7 41	1 15	19 3	1 32	21 57	0 38	10 25	1 42	31 15	8 5	17 49	17 47	19 27			n.a.
W23	18 49	15 24	5 1	15 13	0 25	11 36	1 9	12 55	0 9	7 39	1 15	19 3	1 32	21 57	0 38	10 25	1 42	31 16	8 5	17 49	17 46	19 27			n.a.
T 24	19 4	12 3	5 16	16 1	0 14	12 3	1 7	13 9	0 8	7 37	1 15	19 3	1 32	21 58	0 38	10 25	1 42	31 16	8 6	17 49	17 45	19 28			n.a.
F 25	19 18	8 5	5 16	16 49	0 3	12 29	1 5	13 24	0 8	7 36	1 14	19 3	1 32	21 58	0 38	10 25	1 42	31 16	8 6	17 49	17 44	19 28			n.a.
S 26	19 32	3 37	4 59	17 36	0n 8	12 55	1 3	13 38	0 7	7 34	1 14	19 3	1 33	21 58	0 38	10 25	1 42	31 17	8 6	17 49	17 43	19 29			n.a.
S 27	19 45	1s10	4 25	18 21	0 19	13 21	1 1	13 52	0 6	7 32	1 14	19 3	1 33	21 58	0 38	10 25	1 42	31 17	8 6	17 49	17 42	19 30			n.a.
M28	19 58	6 3	3 35	19 5	0 29	13 47	0 59	14 6	0 6	7 31	1 14	19 3	1 33	21 58	0 38	10 25	1 42	31 17	8 7	17 49	17 41	19 30			n.a.
T 29	20 11	10 45	2 30	19 48	0 39	14 12	0 57	14 20	0 5	7 29	1 13	19 3	1 33	21 59	0 38	10 25	1 42	31 18	8 7	17 49	17 40	19 31			n.a.
W30	20 24	14 55	1 13	20 29	0 48	14 37	0 55	14 34	0 5	7 27	1 13	19 3	1 34	21 59	0 38	10 25	1 42	31 18	8 7	17 49	17 40	19 31			n.a.
T 31	20n36	18s10	0n11	21n 7	0n57	15n 2	0s53	14n48	0s 4	7s26	1n13	19s 3	1s34	21s59	0s38	10n25	1n42	31s18	8s 7	17s49	17s39	19n32			n.a.

Julian Day Number = 1470616.5, Delta T = 05h31m18s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'25, Lahiri = -13°26'25 Julian Calendar 1 May 687 BCE == Greg. Calendar 24 Apr. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

JUNE 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 7 30	1♊42'46	6♐30	1♊ 2	13♉56	10♉12	21°R35	11°R34	25°R23	7♍36	12°R 3	19°R23	18♏42	0♊44	n.a.	F 1
S 2	16 11 26	2°39'50	21°39	3°12	15° 9	10°52	21♎31	11♒34	25♑22	7°36	12♑ 2	19♏22	18°39	0°50	n.a.	S 2
S 3	16 15 23	3°36'55	6♑37	5°21	16°22	11°33	21°27	11°33	25°21	7°36	12° 1	19°21	18°35	0°57	n.a.	S 3
M 4	16 19 20	4°34'00	21°16	7°29	17°35	12°13	21°23	11°33	25°20	7°36	12° 0	19°19	18°32	1° 3	n.a.	M 4
T 5	16 23 16	5°31'05	5♒29	9°37	18°48	12°54	21°19	11°33	25°19	7°36	11°59	19°17	18°29	1°10	n.a.	T 5
W 6	16 27 13	6°28'11	19°15	11°43	20° 1	13°34	21°16	11°32	25°17	7°37	11°58	19°16	18°26	1°17	n.a.	W 6
T 7	16 31 9	7°25'17	2♓35	13°48	21°14	14°14	21°12	11°31	25°16	7°37	11°57	19°D15	18°23	1°23	n.a.	T 7
F 8	16 35 6	8°22'24	15°30	15°52	22°27	14°55	21° 9	11°31	25°15	7°37	11°56	19°15	18°20	1°30	n.a.	F 8
S 9	16 39 2	9°19'32	28° 3	17°54	23°41	15°35	21° 6	11°30	25°13	7°38	11°55	19°16	18°16	1°37	n.a.	S 9
S 10	16 42 59	10°16'41	10♈20	19°55	24°54	16°15	21° 3	11°29	25°12	7°38	11°53	19°17	18°13	1°43	n.a.	S 10
M11	16 46 55	11°13'50	22°23	21°53	26° 7	16°55	21° 0	11°28	25°10	7°39	11°52	19°19	18°10	1°50	n.a.	M11
T 12	16 50 52	12°11'00	4♉17	23°51	27°20	17°36	20°58	11°27	25° 9	7°39	11°51	19°20	18° 7	1°57	n.a.	T 12
W13	16 54 49	13° 8'10	16° 6	25°46	28°34	18°16	20°55	11°25	25° 7	7°40	11°50	19°R21	18° 4	2° 3	n.a.	W13
T 14	16 58 45	14° 5'21	27°53	27°40	29°47	18°56	20°53	11°24	25° 6	7°40	11°49	19°21	18° 1	2°10	n.a.	T 14
F 15	17 2 42	15° 2'33	9♊40	29°31	1♊ 0	19°36	20°51	11°23	25° 4	7°41	11°48	19°19	17°57	2°17	n.a.	F 15
S 16	17 6 38	15°59'46	21°31	1♋21	2°14	20°16	20°49	11°21	25° 2	7°42	11°47	19°16	17°54	2°23	n.a.	S 16
S 17	17 10 35	16°56'59	3♋26	3°10	3°27	20°56	20°48	11°19	25° 1	7°42	11°45	19°13	17°51	2°30	n.a.	S 17
M18	17 14 31	17°54'13	15°29	4°56	4°41	21°35	20°46	11°18	24°59	7°43	11°44	19° 8	17°48	2°37	n.a.	M18
T 19	17 18 28	18°51'28	27°41	6°41	5°54	22°15	20°45	11°16	24°57	7°44	11°43	19° 3	17°45	2°43	n.a.	T 19
W20	17 22 25	19°48'43	10♌ 3	8°24	7° 8	22°55	20°44	11°14	24°55	7°44	11°42	18°58	17°41	2°50	n.a.	W20
T 21	17 26 21	20°45'59	22°39	10° 5	8°21	23°35	20°43	11°12	24°53	7°45	11°41	18°54	17°38	2°57	n.a.	T 21
F 22	17 30 18	21°43'15	5♍30	11°44	9°35	24°14	20°42	11°10	24°52	7°46	11°39	18°52	17°35	3° 3	n.a.	F 22
S 23	17 34 14	22°40'32	18°40	13°22	10°48	24°54	20°42	11° 8	24°50	7°47	11°38	18°D51	17°32	3°10	n.a.	S 23
S 24	17 38 11	23°37'49	2♎11	14°58	12° 2	25°33	20°41	11° 5	24°48	7°48	11°37	18°51	17°29	3°16	n.a.	S 24
M25	17 42 7	24°35'07	16° 3	16°32	13°16	26°13	20°D41	11° 3	24°46	7°49	11°35	18°52	17°26	3°23	n.a.	M25
T 26	17 46 4	25°32'25	0♏18	18° 4	14°29	26°52	20°41	11° 1	24°44	7°49	11°34	18°53	17°22	3°30	n.a.	T 26
W27	17 50 0	26°29'45	14°55	19°35	15°43	27°32	20°41	10°58	24°42	7°50	11°33	18°R54	17°19	3°36	n.a.	W27
T 28	17 53 57	27°27'05	29°48	21° 4	16°57	28°11	20°42	10°55	24°40	7°51	11°32	18°54	17°16	3°43	n.a.	T 28
F 29	17 57 54	28°24'26	14♐52	22°30	18°10	28°50	20°42	10°53	24°38	7°52	11°30	18°52	17°13	3°50	n.a.	F 29
S 30	18 1 50	29♊21'49	29♐59	23♋55	19♊24	29♉30	20♎43	10♒50	24♑36	7♍53	11♑29	18♏48	17♏10	3♊56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n48	20s10	1n34	21n44	1n 6	15n26	0s51	15n 2	0s 3	7s25	1n13	19s 4	1s34	21s59	0s38	10n25	1n42	31s19	8s 7	17s49	17s38	19n32		n.a.
S 2	20 59	20 41	2 50	22 18	1 14	15 50	0 49	15 15	0 3	7 23	1 12	19 4	1 34	21 59	0 38	10 25	1 42	31 19	8 8	17 49	17 37	19 33		n.a.
S 3	21 10	19 44	3 53	22 49	1 21	16 13	0 46	15 29	0 2	7 22	1 12	19 4	1 35	22 0	0 38	10 25	1 42	31 19	8 8	17 49	17 36	19 33		n.a.
M 4	21 21	17 28	4 40	23 18	1 27	16 37	0 44	15 42	0 1	7 21	1 12	19 5	1 35	22 0	0 38	10 24	1 42	31 19	8 8	17 48	17 35	19 34		n.a.
T 5	21 32	14 12	5 7	23 44	1 33	16 59	0 42	15 55	0 1	7 20	1 11	19 5	1 35	22 0	0 38	10 24	1 42	31 20	8 8	17 48	17 34	19 34		n.a.
W 6	21 42	10 15	5 17	24 8	1 38	17 22	0 40	16 8	0 0	7 18	1 11	19 5	1 35	22 0	0 38	10 24	1 42	31 20	8 8	17 47	17 33	19 35		n.a.
T 7	21 51	5 55	5 8	24 28	1 42	17 43	0 37	16 21	0n 0	7 17	1 11	19 6	1 36	22 1	0 38	10 24	1 42	31 20	8 9	17 47	17 32	19 36		n.a.
F 8	22 1	1 26	4 44	24 46	1 46	18 5	0 35	16 33	0 1	7 16	1 11	19 6	1 36	22 1	0 38	10 24	1 42	31 21	8 9	17 47	17 32	19 36		n.a.
S 9	22 10	2n59	4 7	25 2	1 49	18 26	0 32	16 46	0 2	7 16	1 10	19 7	1 36	22 1	0 38	10 24	1 42	31 21	8 9	17 47	17 31	19 37		n.a.
S 10	22 18	7 11	3 19	25 14	1 51	18 46	0 30	16 58	0 2	7 15	1 10	19 7	1 36	22 2	0 39	10 23	1 41	31 21	8 9	17 48	17 30	19 37		n.a.
M11	22 26	11 3	2 23	25 24	1 53	19 6	0 28	17 11	0 3	7 14	1 10	19 8	1 36	22 2	0 39	10 23	1 41	31 22	8 9	17 48	17 29	19 38		n.a.
T 12	22 34	14 25	1 22	25 31	1 54	19 26	0 25	17 23	0 4	7 13	1 10	19 8	1 37	22 2	0 39	10 23	1 41	31 22	8 10	17 48	17 28	19 38		n.a.
W13	22 42	17 10	0 18	25 36	1 54	19 45	0 23	17 35	0 4	7 13	1 9	19 9	1 37	22 3	0 39	10 23	1 41	31 22	8 10	17 49	17 27	19 39		n.a.
T 14	22 49	19 12	0s47	25 39	1 54	20 3	0 20	17 46	0 5	7 12	1 9	19 9	1 37	22 3	0 39	10 22	1 41	31 22	8 10	17 49	17 26	19 39		n.a.
F 15	22 55	20 24	1 50	25 39	1 53	20 21	0 18	17 58	0 6	7 12	1 9	19 10	1 37	22 3	0 39	10 22	1 41	31 23	8 10	17 48	17 25	19 40		n.a.
S 16	23 2	20 43	2 48	25 37	1 51	20 39	0 15	18 10	0 6	7 11	1 8	19 11	1 38	22 4	0 39	10 22	1 41	31 23	8 10	17 47	17 24	19 40		n.a.
S 17	23 8	20 5	3 39	25 33	1 49	20 56	0 13	18 21	0 7	7 11	1 8	19 11	1 38	22 4	0 39	10 22	1 41	31 23	8 10	17 46	17 24	19 40		n.a.
M18	23 13	18 33	4 21	25 27	1 46	21 12	0 11	18 32	0 8	7 10	1 8	19 12	1 38	22 4	0 39	10 21	1 41	31 23	8 11	17 45	17 23	19 41		n.a.
T 19	23 18	16 9	4 51	25 19	1 43	21 28	0 8	18 43	0 8	7 10	1 8	19 13	1 38	22 5	0 39	10 21	1 41	31 24	8 11	17 44	17 22	19 41		n.a.
W20	23 23	13 1	5 9	25 10	1 39	21 43	0 6	18 54	0 9	7 10	1 7	19 13	1 38	22 5	0 39	10 21	1 41	31 24	8 11	17 42	17 21	19 42		n.a.
T 21	23 27	9 15	5 12	24 58	1 35	21 57	0 3	19 5	0 9	7 10	1 7	19 14	1 39	22 5	0 39	10 20	1 41	31 24	8 11	17 41	17 20	19 42		n.a.
F 22	23 31	4 59	5 0	24 45	1 31	22 11	0 1	19 16	0 10	7 10	1 7	19 15	1 39	22 6	0 39	10 20	1 41	31 25	8 11	17 41	17 19	19 43		n.a.
S 23	23 34	0 23	4 32	24 31	1 25	22 25	0n 2	19 26	0 11	7 10	1 6	19 16	1 39	22 6	0 39	10 20	1 41	31 25	8 11	17 40	17 18	19 43		n.a.
S 24	23 37	4s21	3 48	24 15	1 20	22 37	0 4	19 36	0 11	7 10	1 6	19 17	1 39	22 6	0 39	10 19	1 41	31 25	8 12	17 40	17 17	19 44		n.a.
M25	23 40	9 0	2 50	23 57	1 14	22 49	0 7	19 46	0 12	7 10	1 6	19 18	1 40	22 7	0 39	10 19	1 41	31 25	8 12	17 41	17 16	19 44		n.a.
T 26	23 42	13 18	1 40	23 39	1 7	23 1	0 9	19 56	0 13	7 11	1 6	19 18	1 40	22 7	0 39	10 18	1 41	31 26	8 12	17 41	17 15	19 45		n.a.
W27	23 44	16 53	0 22	23 19	1 1	23 11	0 11	20 6	0 13	7 11	1 5	19 19	1 40	22 8	0 39	10 18	1 41	31 26	8 12	17 41	17 14	19 45		n.a.
T 28	23 45	19 26	0n59	22 59	0 54	23 21	0 14	20 16	0 14	7 11	1 5	19 20	1 40	22 8	0 39	10 18	1 41	31 26	8 12	17 41	17 14	19 45		n.a.
F 29	23 46	20 39	2 17	22 37	0 46	23 31	0 16	20 25	0 15	7 12	1 5	19 21	1 40	22 8	0 39	10 17	1 41	31 26	8 12	17 41	17 13	19 46		n.a.
S 30	23n46	20s22	3n25	22n15	0n38	23n39	0n19	20n35	0n15	7s13	1n 4	19s22	1s41	22s 9	0s39	10n17	1n41	31s27	8s12	17s40	17s12	19n46		n.a.

Julian Day Number = 1470647.5, Delta T = 05h31m16s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'21, Lahiri = -13°26'21 Julian Calendar 1 June 687 BCE == Greg. Calendar 25 May 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

JULY 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 5 47	0♋19'12	14♉59	25♋19	20♊38	0♊ 9	20♎44	10°R47	24°R34	7♍55	11°R28	18°R43	17♏ 7	4♊ 3	n.a.	S 1
M 2	18 9 43	1°16'37	29°42	26°40	21°52	0°48	20°45	10♒44	24♉31	7°56	11♉26	18♏36	17° 3	4°10	n.a.	M 2
T 3	18 13 40	2°14'02	14♒ 3	27°59	23° 6	1°27	20°47	10°41	24°29	7°57	11°25	18°30	17° 0	4°16	n.a.	T 3
W 4	18 17 36	3°11'29	27°56	29°17	24°20	2° 6	20°48	10°38	24°27	7°58	11°24	18°24	16°57	4°23	n.a.	W 4
T 5	18 21 33	4° 8'58	11♓21	0♌32	25°34	2°45	20°50	10°35	24°25	7°59	11°22	18°20	16°54	4°30	n.a.	T 5
F 6	18 25 29	5° 6'28	24°19	1°45	26°47	3°24	20°52	10°31	24°23	8° 0	11°21	18°18	16°51	4°36	n.a.	F 6
S 7	18 29 26	6° 4'00	6♈53	2°56	28° 1	4° 3	20°54	10°28	24°21	8° 2	11°20	18°D17	16°47	4°43	n.a.	S 7
S 8	18 33 23	7° 1'33	19° 8	4° 5	29°15	4°42	20°56	10°25	24°18	8° 3	11°18	18°18	16°44	4°50	n.a.	S 8
M 9	18 37 19	7°59'08	1♉ 8	5°11	0♋30	5°21	20°58	10°21	24°16	8° 4	11°17	18°19	16°41	4°56	n.a.	M 9
T 10	18 41 16	8°56'44	13° 0	6°15	1°44	5°59	21° 1	10°18	24°14	8° 5	11°16	18°R20	16°38	5° 3	n.a.	T 10
W11	18 45 12	9°54'22	24°47	7°17	2°58	6°38	21° 3	10°14	24°11	8° 7	11°14	18°20	16°35	5°10	n.a.	W11
T 12	18 49 9	10°52'02	6♊34	8°16	4°12	7°17	21° 6	10°10	24° 9	8° 8	11°13	18°18	16°32	5°16	n.a.	T 12
F 13	18 53 5	11°49'43	18°24	9°12	5°26	7°56	21° 9	10° 7	24° 7	8°10	11°12	18°14	16°28	5°23	n.a.	F 13
S 14	18 57 2	12°47'26	0♋21	10° 5	6°40	8°34	21°13	10° 3	24° 5	8°11	11°10	18° 8	16°25	5°30	n.a.	S 14
S 15	19 0 58	13°45'11	12°26	10°55	7°54	9°13	21°16	9°59	24° 2	8°12	11° 9	17°59	16°22	5°36	n.a.	S 15
M16	19 4 55	14°42'57	24°41	11°41	9° 9	9°51	21°20	9°55	24° 0	8°14	11° 8	17°49	16°19	5°43	n.a.	M16
T 17	19 8 52	15°40'44	7♌ 7	12°25	10°23	10°30	21°23	9°51	23°57	8°15	11° 6	17°39	16°16	5°50	n.a.	T 17
W18	19 12 48	16°38'33	19°44	13° 4	11°37	11° 8	21°27	9°47	23°55	8°17	11° 5	17°29	16°13	5°56	n.a.	W18
T 19	19 16 45	17°36'23	2♍33	13°40	12°51	11°46	21°31	9°43	23°53	8°19	11° 4	17°20	16° 9	6° 3	n.a.	T 19
F 20	19 20 41	18°34'15	15°35	14°12	14° 6	12°25	21°36	9°39	23°50	8°20	11° 2	17°13	16° 6	6° 9	n.a.	F 20
S 21	19 24 38	19°32'08	28°50	14°39	15°20	13° 3	21°40	9°35	23°48	8°22	11° 1	17° 9	16° 3	6°16	n.a.	S 21
S 22	19 28 34	20°30'03	12♎20	15° 2	16°34	13°41	21°45	9°30	23°46	8°23	11° 0	17° 7	16° 0	6°23	n.a.	S 22
M23	19 32 31	21°27'58	26° 5	15°19	17°49	14°19	21°49	9°26	23°43	8°25	10°58	17°D 7	15°57	6°29	n.a.	M23
T 24	19 36 27	22°25'56	10♏ 8	15°32	19° 3	14°58	21°54	9°22	23°41	8°27	10°57	17°R 7	15°53	6°36	n.a.	T 24
W25	19 40 24	23°23'55	24°27	15°39	20°18	15°36	22° 0	9°17	23°38	8°28	10°56	17° 7	15°50	6°43	n.a.	W25
T 26	19 44 21	24°21'55	9♐ 1	15°R41	21°32	16°14	22° 5	9°13	23°36	8°30	10°54	17° 6	15°47	6°49	n.a.	T 26
F 27	19 48 17	25°19'57	23°46	15°37	22°47	16°52	22°10	9° 9	23°34	8°32	10°53	17° 2	15°44	6°56	n.a.	F 27
S 28	19 52 14	26°18'00	8♑35	15°26	24° 1	17°29	22°16	9° 4	23°31	8°34	10°52	16°55	15°41	7° 3	n.a.	S 28
S 29	19 56 10	27°16'05	23°22	15°10	25°16	18° 7	22°21	9° 0	23°29	8°35	10°50	16°46	15°38	7° 9	n.a.	S 29
M30	20 0 7	28°14'12	7♒57	14°47	26°30	18°45	22°27	8°55	23°26	8°37	10°49	16°35	15°34	7°16	n.a.	M30
T 31	20 4 3	29♋12'21	22♒13	14♌18	27♋45	19♊23	22♎33	8♒51	23♉24	8♍39	10♉48	16♏24	15♏31	7♊23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23n47	18s39	4n18	21n52	0n30	23n47	0n21	20n44	0n16	7s13	1n 4	19s23	1s41	22s 9	0s39	10n16	1n40	31s27	8s12	17s38	17s11	19n47			n.a.
M 2	23 46	15 43	4 53	21 28	0 21	23 54	0 23	20 53	0 17	7 14	1 4	19 24	1 41	22 9	0 39	10 16	1 40	31 27	8 12	17 36	17 10	19 47			n.a.
T 3	23 45	11 55	5 9	21 4	0 13	24 1	0 25	21 1	0 17	7 15	1 3	19 25	1 41	22 10	0 39	10 15	1 40	31 27	8 13	17 34	17 9	19 48			n.a.
W 4	23 44	7 35	5 5	20 39	0 3	24 7	0 28	21 10	0 18	7 15	1 3	19 26	1 41	22 10	0 39	10 15	1 40	31 27	8 13	17 33	17 8	19 48			n.a.
T 5	23 43	3 1	4 45	20 13	0s 6	24 12	0 30	21 19	0 19	7 16	1 3	19 27	1 42	22 11	0 39	10 14	1 40	31 28	8 13	17 32	17 7	19 48			n.a.
F 6	23 41	1n32	4 11	19 48	0 15	24 16	0 32	21 27	0 19	7 17	1 3	19 29	1 42	22 11	0 39	10 14	1 40	31 28	8 13	17 31	17 6	19 49			n.a.
S 7	23 38	5 54	3 25	19 22	0 25	24 20	0 34	21 35	0 20	7 18	1 2	19 30	1 42	22 12	0 39	10 13	1 40	31 28	8 13	17 31	17 5	19 49			n.a.
S 8	23 35	9 55	2 31	18 56	0 35	24 23	0 37	21 43	0 21	7 19	1 2	19 31	1 42	22 12	0 39	10 13	1 40	31 28	8 13	17 31	17 4	19 50			n.a.
M 9	23 32	13 28	1 32	18 30	0 46	24 25	0 39	21 51	0 21	7 21	1 2	19 32	1 42	22 12	0 39	10 12	1 40	31 29	8 13	17 31	17 3	19 50			n.a.
T 10	23 28	16 25	0 29	18 4	0 56	24 27	0 41	21 58	0 22	7 22	1 1	19 33	1 42	22 13	0 39	10 12	1 40	31 29	8 13	17 32	17 3	19 50			n.a.
W11	23 24	18 40	0s35	17 38	1 7	24 27	0 43	22 6	0 23	7 23	1 1	19 34	1 43	22 13	0 39	10 11	1 40	31 29	8 13	17 32	17 2	19 51			n.a.
T 12	23 19	20 7	1 37	17 12	1 18	24 27	0 45	22 13	0 23	7 24	1 1	19 35	1 43	22 14	0 39	10 11	1 40	31 29	8 13	17 31	17 1	19 51			n.a.
F 13	23 14	20 42	2 35	16 47	1 28	24 27	0 47	22 20	0 24	7 26	1 1	19 37	1 43	22 14	0 39	10 10	1 40	31 29	8 13	17 30	17 0	19 51			n.a.
S 14	23 9	20 21	3 26	16 22	1 39	24 25	0 49	22 27	0 25	7 27	1 0	19 38	1 43	22 15	0 39	10 9	1 40	31 29	8 13	17 28	16 59	19 52			n.a.
S 15	23 3	19 3	4 9	15 58	1 51	24 23	0 51	22 34	0 25	7 29	1 0	19 39	1 43	22 15	0 39	10 9	1 40	31 30	8 14	17 26	16 58	19 52			n.a.
M16	22 57	16 53	4 40	15 34	2 2	24 20	0 53	22 40	0 26	7 31	1 0	19 40	1 44	22 15	0 39	10 8	1 40	31 30	8 14	17 23	16 57	19 52			n.a.
T 17	22 50	13 55	4 59	15 12	2 13	24 16	0 54	22 47	0 27	7 32	1 0	19 42	1 44	22 16	0 39	10 8	1 40	31 30	8 14	17 20	16 56	19 53			n.a.
W18	22 43	10 17	5 4	14 50	2 24	24 12	0 56	22 53	0 27	7 34	0 59	19 43	1 44	22 16	0 39	10 7	1 40	31 30	8 14	17 17	16 55	19 53			n.a.
T 19	22 36	6 9	4 54	14 29	2 35	24 6	0 58	22 59	0 28	7 36	0 59	19 44	1 44	22 17	0 39	10 6	1 40	31 30	8 14	17 15	16 54	19 54			n.a.
F 20	22 28	1 39	4 28	14 9	2 46	24 0	1 0	23 5	0 29	7 38	0 59	19 45	1 44	22 17	0 39	10 6	1 40	31 30	8 14	17 13	16 53	19 54			n.a.
S 21	22 20	3s 0	3 48	13 51	2 57	23 54	1 1	23 10	0 29	7 40	0 58	19 47	1 44	22 18	0 39	10 5	1 40	31 31	8 14	17 12	16 52	19 54			n.a.
S 22	22 11	7 36	2 55	13 34	3 7	23 46	1 3	23 16	0 30	7 42	0 58	19 48	1 44	22 18	0 39	10 5	1 40	31 31	8 14	17 11	16 51	19 55			n.a.
M23	22 2	11 55	1 50	13 19	3 18	23 38	1 4	23 21	0 31	7 44	0 58	19 49	1 45	22 18	0 39	10 4	1 40	31 31	8 14	17 11	16 51	19 55			n.a.
T 24	21 53	15 39	0 37	13 6	3 27	23 29	1 6	23 26	0 31	7 46	0 58	19 51	1 45	22 19	0 39	10 3	1 40	31 31	8 14	17 11	16 50	19 55			n.a.
W25	21 43	18 31	0n39	12 55	3 37	23 20	1 7	23 31	0 32	7 48	0 57	19 52	1 45	22 19	0 39	10 3	1 40	31 31	8 14	17 11	16 49	19 55			n.a.
T 26	21 33	20 14	1 54	12 46	3 46	23 9	1 9	23 36	0 33	7 50	0 57	19 53	1 45	22 20	0 39	10 2	1 40	31 31	8 14	17 11	16 48	19 56			n.a.
F 27	21 22	20 36	3 2	12 40	3 54	22 58	1 10	23 40	0 34	7 52	0 57	19 54	1 45	22 20	0 39	10 1	1 39	31 31	8 14	17 9	16 47	19 56			n.a.
S 28	21 11	19 32	3 58	12 36	4 1	22 47	1 11	23 45	0 34	7 55	0 57	19 56	1 45	22 20	0 39	10 0	1 39	31 32	8 14	17 7	16 46	19 56			n.a.
S 29	21 0	17 10	4 38	12 35	4 7	22 34	1 13	23 49	0 35	7 57	0 56	19 57	1 45	22 21	0 39	10 0	1 39	31 32	8 14	17 5	16 45	19 57			n.a.
M30	20 48	13 44	4 59	12 36	4 13	22 21	1 14	23 53	0 36	8 0	0 56	19 58	1 45	22 21	0 39	9 59	1 39	31 32	8 14	17 2	16 44	19 57			n.a.
T 31	20n36	9s34	5n 1	12n41	4s17	22n 8	1n15	23n57	0n36	8s 2	0n56	20s 0	1s46	22s22	0s39	9n58	1n39	31s32	8s14	16s59	16s43	19n57			n.a.

Julian Day Number = 1470677.5, Delta T = 05h31m15s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'17, Lahiri = -13°26'16 Julian Calendar 1 July 687 BCE == Greg. Calendar 24 June 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

AUGUST 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 8 0	0♌10'32	6♓ 6	13°R43	28♋59	20♊ 1	22♎39	8°R46	23°R22	8♍41	10°R47	16°R15	15♏28	7♊29	n.a.	W 1
T 2	20 11 56	1° 8'45	19°32	13♌ 2	0♌14	20°38	22°46	8♒41	23♉19	8°43	10♉45	16♏ 6	15°25	7°36	n.a.	T 2
F 3	20 15 53	2° 7'00	2♈32	12°16	1°28	21°16	22°52	8°37	23°17	8°44	10°44	16° 1	15°22	7°43	n.a.	F 3
S 4	20 19 50	3° 5'17	15° 8	11°25	2°43	21°54	22°59	8°32	23°15	8°46	10°43	15°58	15°19	7°49	n.a.	S 4
S 5	20 23 46	4° 3'36	27°24	10°30	3°58	22°31	23° 6	8°28	23°12	8°48	10°42	15°56	15°15	7°56	n.a.	S 5
M 6	20 27 43	5° 1'58	9♉25	9°32	5°12	23° 9	23°13	8°23	23°10	8°50	10°41	15°56	15°12	8° 3	n.a.	M 6
T 7	20 31 39	6° 0'21	21°17	8°32	6°27	23°46	23°20	8°18	23° 8	8°52	10°39	15°56	15° 9	8° 9	n.a.	T 7
W 8	20 35 36	6°58'48	3♊ 5	7°31	7°42	24°23	23°27	8°14	23° 5	8°54	10°38	15°55	15° 6	8°16	n.a.	W 8
T 9	20 39 32	7°57'16	14°54	6°31	8°57	25° 1	23°34	8° 9	23° 3	8°56	10°37	15°52	15° 3	8°23	n.a.	T 9
F 10	20 43 29	8°55'47	26°48	5°33	10°11	25°38	23°41	8° 4	23° 1	8°58	10°36	15°47	14°59	8°29	n.a.	F 10
S 11	20 47 25	9°54'19	8♋52	4°38	11°26	26°15	23°49	8° 0	22°58	9° 0	10°35	15°38	14°56	8°36	n.a.	S 11
S 12	20 51 22	10°52'54	21° 8	3°48	12°41	26°52	23°57	7°55	22°56	9° 2	10°34	15°27	14°53	8°43	n.a.	S 12
M13	20 55 19	11°51'31	3♌37	3° 5	13°56	27°30	24° 5	7°50	22°54	9° 4	10°32	15°15	14°50	8°49	n.a.	M13
T 14	20 59 15	12°50'11	16°20	2°28	15°11	28° 7	24°13	7°46	22°52	9° 6	10°31	15° 1	14°47	8°56	n.a.	T 14
W15	21 3 12	13°48'52	29°17	2° 0	16°26	28°44	24°21	7°41	22°50	9° 8	10°30	14°48	14°44	9° 3	n.a.	W15
T 16	21 7 8	14°47'35	12♍26	1°40	17°40	29°21	24°29	7°36	22°47	9°10	10°29	14°37	14°40	9° 9	n.a.	T 16
F 17	21 11 5	15°46'20	25°47	1°30	18°55	29°58	24°37	7°32	22°45	9°12	10°28	14°28	14°37	9°16	n.a.	F 17
S 18	21 15 1	16°45'07	9♎17	1°D30	20°10	0♋34	24°46	7°27	22°43	9°14	10°27	14°22	14°34	9°23	n.a.	S 18
S 19	21 18 58	17°43'56	22°58	1°39	21°25	1°11	24°54	7°23	22°41	9°16	10°26	14°19	14°31	9°29	n.a.	S 19
M20	21 22 54	18°42'47	6♏47	1°58	22°40	1°48	25° 3	7°18	22°39	9°19	10°25	14°18	14°28	9°36	n.a.	M20
T 21	21 26 51	19°41'40	20°45	2°26	23°55	2°25	25°12	7°14	22°37	9°21	10°24	14°18	14°25	9°43	n.a.	T 21
W22	21 30 47	20°40'34	4♐53	3° 4	25°10	3° 1	25°21	7° 9	22°35	9°23	10°23	14°17	14°21	9°49	n.a.	W22
T 23	21 34 44	21°39'31	19° 9	3°51	26°25	3°38	25°30	7° 5	22°33	9°25	10°22	14°15	14°18	9°56	n.a.	T 23
F 24	21 38 41	22°38'29	3♑31	4°45	27°40	4°14	25°39	7° 0	22°31	9°27	10°21	14°11	14°15	10° 2	n.a.	F 24
S 25	21 42 37	23°37'29	17°55	5°47	28°55	4°51	25°49	6°56	22°29	9°29	10°20	14° 3	14°12	10° 9	n.a.	S 25
S 26	21 46 34	24°36'31	2♒17	6°56	0♍10	5°27	25°58	6°52	22°27	9°32	10°19	13°54	14° 9	10°16	n.a.	S 26
M27	21 50 30	25°35'35	16°31	8°11	1°25	6° 4	26° 8	6°47	22°25	9°34	10°19	13°42	14° 5	10°22	n.a.	M27
T 28	21 54 27	26°34'42	0♓30	9°31	2°40	6°40	26°17	6°43	22°23	9°36	10°18	13°30	14° 2	10°29	n.a.	T 28
W29	21 58 23	27°33'50	14°11	10°57	3°55	7°16	26°27	6°39	22°21	9°38	10°17	13°19	13°59	10°36	n.a.	W29
T 30	22 2 20	28°33'01	27°30	12°26	5°10	7°52	26°37	6°35	22°20	9°40	10°16	13°10	13°56	10°42	n.a.	T 30
F 31	22 6 16	29♌32'13	10♈26	13♌59	6♍25	8♋28	26♎47	6♒31	22♉18	9♍42	10♉15	13♏ 3	13♏53	10♊49	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n24	5s 0	4n45	12n48	4s19	21n53	1n16	24n 1	0n37	8s 5	0n56	20s 1	1s46	22s22	0s39	9n58	1n39	31s32	8s14	16s56	16s42	19n58		n.a.
T 2	20 11	0 20	4 13	12 59	4 20	21 38	1 17	24 4	0 38	8 7	0 55	20 2	1 46	22 23	0 39	9 57	1 39	31 32	8 14	16 53	16 41	19 58		n.a.
F 3	19 58	4n13	3 29	13 12	4 20	21 23	1 18	24 7	0 38	8 10	0 55	20 4	1 46	22 23	0 39	9 56	1 39	31 32	8 14	16 52	16 40	19 58		n.a.
S 4	19 45	8 26	2 36	13 29	4 17	21 6	1 19	24 10	0 39	8 13	0 55	20 5	1 46	22 23	0 39	9 55	1 39	31 32	8 14	16 51	16 39	19 58		n.a.
S 5	19 31	12 12	1 37	13 48	4 13	20 49	1 20	24 13	0 40	8 15	0 55	20 6	1 46	22 24	0 39	9 55	1 39	31 32	8 14	16 50	16 38	19 59		n.a.
M 6	19 17	15 23	0 35	14 9	4 6	20 32	1 20	24 16	0 40	8 18	0 54	20 8	1 46	22 24	0 39	9 54	1 39	31 32	8 14	16 50	16 37	19 59		n.a.
T 7	19 2	17 53	0s28	14 33	3 58	20 14	1 21	24 19	0 41	8 21	0 54	20 9	1 46	22 25	0 39	9 53	1 39	31 33	8 14	16 50	16 36	19 59		n.a.
W 8	18 47	19 36	1 30	14 59	3 48	19 55	1 22	24 21	0 42	8 24	0 54	20 10	1 46	22 25	0 39	9 52	1 39	31 33	8 14	16 50	16 36	19 59		n.a.
T 9	18 32	20 28	2 27	15 26	3 35	19 36	1 22	24 23	0 43	8 27	0 54	20 12	1 46	22 25	0 39	9 52	1 39	31 33	8 14	16 49	16 35	20 0		n.a.
F 10	18 17	20 26	3 18	15 54	3 22	19 16	1 23	24 25	0 43	8 30	0 53	20 13	1 47	22 26	0 39	9 51	1 39	31 33	8 14	16 48	16 34	20 0		n.a.
S 11	18 1	19 28	4 1	16 22	3 6	18 55	1 23	24 27	0 44	8 33	0 53	20 14	1 47	22 26	0 39	9 50	1 39	31 33	8 14	16 45	16 33	20 0		n.a.
S 12	17 45	17 35	4 34	16 50	2 49	18 34	1 24	24 29	0 45	8 36	0 53	20 16	1 47	22 26	0 39	9 49	1 39	31 33	8 14	16 42	16 32	20 0		n.a.
M13	17 28	14 51	4 54	17 17	2 31	18 13	1 24	24 31	0 45	8 39	0 53	20 17	1 47	22 27	0 39	9 49	1 39	31 33	8 14	16 38	16 31	20 1		n.a.
T 14	17 12	11 24	5 0	17 44	2 13	17 51	1 24	24 32	0 46	8 42	0 52	20 18	1 47	22 27	0 39	9 48	1 39	31 33	8 13	16 34	16 30	20 1		n.a.
W15	16 55	7 21	4 51	18 9	1 54	17 28	1 24	24 33	0 47	8 46	0 52	20 19	1 47	22 28	0 39	9 47	1 39	31 33	8 13	16 30	16 29	20 1		n.a.
T 16	16 37	2 54	4 26	18 32	1 34	17 5	1 24	24 34	0 48	8 49	0 52	20 21	1 47	22 28	0 39	9 46	1 39	31 33	8 13	16 27	16 28	20 1		n.a.
F 17	16 20	1s45	3 46	18 53	1 15	16 42	1 25	24 35	0 48	8 52	0 52	20 22	1 47	22 28	0 39	9 45	1 39	31 33	8 13	16 24	16 27	20 2		n.a.
S 18	16 2	6 23	2 54	19 12	0 56	16 18	1 25	24 36	0 49	8 56	0 51	20 23	1 47	22 29	0 39	9 44	1 39	31 33	8 13	16 22	16 26	20 2		n.a.
S 19	15 44	10 45	1 50	19 27	0 38	15 54	1 24	24 36	0 50	8 59	0 51	20 24	1 47	22 29	0 39	9 44	1 39	31 33	8 13	16 21	16 25	20 2		n.a.
M20	15 26	14 36	0 40	19 40	0 20	15 29	1 24	24 36	0 50	9 2	0 51	20 26	1 47	22 29	0 39	9 43	1 39	31 33	8 13	16 21	16 24	20 2		n.a.
T 21	15 7	17 39	0n34	19 50	0 4	15 3	1 24	24 36	0 51	9 6	0 51	20 27	1 47	22 30	0 39	9 42	1 39	31 33	8 13	16 21	16 23	20 2		n.a.
W22	14 48	19 40	1 47	19 57	0n12	14 38	1 24	24 36	0 52	9 9	0 51	20 28	1 47	22 30	0 39	9 41	1 39	31 33	8 13	16 21	16 22	20 3		n.a.
T 23	14 29	20 27	2 53	20 0	0 27	14 12	1 24	24 36	0 53	9 13	0 50	20 29	1 47	22 30	0 39	9 40	1 39	31 33	8 13	16 20	16 21	20 3		n.a.
F 24	14 10	19 55	3 49	20 0	0 41	13 45	1 23	24 36	0 53	9 17	0 50	20 30	1 47	22 31	0 39	9 40	1 39	31 33	8 13	16 19	16 20	20 3		n.a.
S 25	13 50	18 5	4 31	19 57	0 53	13 18	1 23	24 35	0 54	9 20	0 50	20 32	1 47	22 31	0 39	9 39	1 39	31 33	8 13	16 17	16 19	20 3		n.a.
S 26	13 30	15 8	4 55	19 50	1 4	12 51	1 22	24 35	0 55	9 24	0 50	20 33	1 47	22 31	0 39	9 38	1 39	31 33	8 13	16 14	16 18	20 3		n.a.
M27	13 10	11 20	5 1	19 40	1 14	12 24	1 22	24 34	0 56	9 28	0 50	20 34	1 47	22 32	0 39	9 37	1 39	31 33	8 12	16 10	16 17	20 4		n.a.
T 28	12 50	6 58	4 48	19 27	1 23	11 56	1 21	24 33	0 56	9 31	0 49	20 35	1 47	22 32	0 39	9 36	1 39	31 33	8 12	16 7	16 17	20 4		n.a.
W29	12 29	2 20	4 19	19 11	1 30	11 27	1 20	24 31	0 57	9 35	0 49	20 36	1 47	22 32	0 39	9 35	1 39	31 33	8 12	16 3	16 16	20 4		n.a.
T 30	12 9	2n18	3 36	18 52	1 37	10 59	1 20	24 30	0 58	9 39	0 49	20 37	1 47	22 32	0 39	9 34	1 39	31 33	8 12	16 1	16 15	20 4		n.a.
F 31	11n48	6n41	2n44	18n30	1n42	10n30	1n19	24n29	0n59	9s43	0n49	20s38	1s47	22s33	0s39	9n34	1n39	31s33	8s12	15s59	16s14	20n 4		n.a.

Julian Day Number = 1470708.5, Delta T = 05h31m13s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'13, Lahiri = -13°26'12 Julian Calendar 1 Aug. 687 BCE == Greg. Calendar 25 July 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

SEPTEMBER 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 10 13	0♍31'29	23♈ 1	15♌35	7♍40	9♋ 4	26♎57	6°R27	22°R16	9♍45	10°R14	12°R59	13♏50	10♊56	n.a.	S 1
S 2	22 14 9	1°30'46	5♉18	17°13	8°55	9°40	27° 7	6♒23	22♑14	9°47	10♑14	12♏57	13°46	11° 2	n.a.	S 2
M 3	22 18 6	2°30'07	17°20	18°53	10°10	10°16	27°17	6°19	22°13	9°49	10°13	12°D57	13°43	11° 9	n.a.	M 3
T 4	22 22 3	3°29'29	29°12	20°35	11°25	10°52	27°28	6°15	22°11	9°51	10°12	12°R58	13°40	11°16	n.a.	T 4
W 5	22 25 59	4°28'54	11♊ 1	22°18	12°40	11°28	27°38	6°11	22°10	9°54	10°12	12°57	13°37	11°22	n.a.	W 5
T 6	22 29 56	5°28'22	22°51	24° 2	13°55	12° 4	27°49	6° 7	22° 8	9°56	10°11	12°56	13°34	11°29	n.a.	T 6
F 7	22 33 52	6°27'52	4♋48	25°46	15°10	12°40	28° 0	6° 4	22° 6	9°58	10°10	12°52	13°30	11°36	n.a.	F 7
S 8	22 37 49	7°27'24	16°56	27°31	16°25	13°15	28°10	6° 0	22° 5	10° 0	10°10	12°46	13°27	11°42	n.a.	S 8
S 9	22 41 45	8°26'59	29°20	29°16	17°40	13°51	28°21	5°56	22° 4	10° 3	10° 9	12°37	13°24	11°49	n.a.	S 9
M10	22 45 42	9°26'36	12♌ 0	1♍ 1	18°55	14°26	28°32	5°53	22° 2	10° 5	10° 9	12°27	13°21	11°56	n.a.	M10
T 11	22 49 38	10°26'15	24°59	2°46	20°10	15° 2	28°43	5°50	22° 1	10° 7	10° 8	12°16	13°18	12° 2	n.a.	T 11
W12	22 53 35	11°25'57	8♍15	4°31	21°25	15°37	28°54	5°46	21°59	10° 9	10° 8	12° 5	13°15	12° 9	n.a.	W12
T 13	22 57 32	12°25'40	21°48	6°15	22°40	16°12	29° 5	5°43	21°58	10°12	10° 7	11°55	13°11	12°16	n.a.	T 13
F 14	23 1 28	13°25'26	5♎33	7°59	23°56	16°48	29°17	5°40	21°57	10°14	10° 7	11°48	13° 8	12°22	n.a.	F 14
S 15	23 5 25	14°25'13	19°29	9°43	25°11	17°23	29°28	5°37	21°56	10°16	10° 6	11°43	13° 5	12°29	n.a.	S 15
S 16	23 9 21	15°25'03	3♏30	11°26	26°26	17°58	29°39	5°34	21°55	10°18	10° 6	11°41	13° 2	12°36	n.a.	S 16
M17	23 13 18	16°24'55	17°36	13° 8	27°41	18°33	29°51	5°31	21°54	10°20	10° 5	11°D41	12°59	12°42	n.a.	M17
T 18	23 17 14	17°24'48	1♐44	14°50	28°56	19° 8	0♏ 3	5°28	21°53	10°23	10° 5	11°42	12°56	12°49	n.a.	T 18
W19	23 21 11	18°24'43	15°51	16°32	0♎11	19°43	0°14	5°25	21°52	10°25	10° 5	11°R43	12°52	12°56	n.a.	W19
T 20	23 25 7	19°24'40	29°58	18°13	1°26	20°17	0°26	5°22	21°51	10°27	10° 4	11°42	12°49	13° 2	n.a.	T 20
F 21	23 29 4	20°24'39	14♑ 3	19°53	2°41	20°52	0°38	5°20	21°50	10°29	10° 4	11°40	12°46	13° 9	n.a.	F 21
S 22	23 33 0	21°24'39	28° 5	21°33	3°56	21°27	0°50	5°17	21°49	10°32	10° 4	11°35	12°43	13°16	n.a.	S 22
S 23	23 36 57	22°24'41	12♒ 0	23°12	5°11	22° 1	1° 2	5°15	21°48	10°34	10° 4	11°28	12°40	13°22	n.a.	S 23
M24	23 40 54	23°24'45	25°46	24°51	6°26	22°36	1°14	5°13	21°47	10°36	10° 3	11°20	12°36	13°29	n.a.	M24
T 25	23 44 50	24°24'51	9♓19	26°29	7°42	23°10	1°26	5°10	21°46	10°38	10° 3	11°12	12°33	13°36	n.a.	T 25
W26	23 48 47	25°24'58	22°39	28° 7	8°57	23°44	1°38	5° 8	21°46	10°40	10° 3	11° 4	12°30	13°42	n.a.	W26
T 27	23 52 43	26°25'08	5♈41	29°44	10°12	24°19	1°50	5° 6	21°45	10°43	10° 3	10°58	12°27	13°49	n.a.	T 27
F 28	23 56 40	27°25'20	18°26	1♎20	11°27	24°53	2° 2	5° 4	21°45	10°45	10° 3	10°53	12°24	13°56	n.a.	F 28
S 29	0 0 36	28°25'33	0♉54	2°57	12°42	25°27	2°15	5° 2	21°44	10°47	10° 3	10°51	12°21	14° 2	n.a.	S 29
S 30	0 4 33	29♍25'49	13♉ 7	4♎32	13♎57	26♋ 1	2♏27	5♒ 1	21♑44	10♍49	10♑ 3	10°D50	12♏17	14♊ 9	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n27	10n41	1n44	18n 5	1n47	10n 1	1n18	24n27	0n59	9s47	0n49	20s39	1s47	22s33	0s39	9n33	1n39	31s33	8s12	15s57	16s13	20n 4		n.a.
S 2	11 5	14 6	0 41	17 38	1 50	9 32	1 17	24 25	1 0	9 50	0 48	20 40	1 47	22 33	0 39	9 32	1 39	31 33	8 12	15 57	16 12	20 4		n.a.
M 3	10 44	16 52	0s23	17 9	1 53	9 2	1 16	24 23	1 1	9 54	0 48	20 41	1 47	22 34	0 39	9 31	1 39	31 33	8 12	15 57	16 11	20 5		n.a.
T 4	10 22	18 52	1 26	16 38	1 54	8 32	1 15	24 21	1 2	9 58	0 48	20 42	1 47	22 34	0 39	9 30	1 39	31 33	8 12	15 57	16 10	20 5		n.a.
W 5	10 0	20 2	2 24	16 5	1 55	8 2	1 14	24 19	1 2	10 2	0 48	20 43	1 47	22 34	0 39	9 29	1 39	31 33	8 12	15 57	16 9	20 5		n.a.
T 6	9 38	20 19	3 16	15 30	1 55	7 32	1 12	24 16	1 3	10 6	0 48	20 44	1 47	22 34	0 39	9 29	1 39	31 33	8 11	15 56	16 8	20 5		n.a.
F 7	9 16	19 41	4 0	14 54	1 54	7 1	1 11	24 13	1 4	10 10	0 47	20 45	1 47	22 34	0 39	9 28	1 39	31 32	8 11	15 55	16 7	20 5		n.a.
S 8	8 53	18 9	4 34	14 16	1 53	6 30	1 10	24 11	1 5	10 14	0 47	20 46	1 47	22 35	0 39	9 27	1 39	31 32	8 11	15 53	16 6	20 5		n.a.
S 9	8 31	15 45	4 56	13 37	1 51	5 59	1 9	24 8	1 5	10 18	0 47	20 47	1 47	22 35	0 39	9 26	1 39	31 32	8 11	15 51	16 5	20 5		n.a.
M10	8 8	12 34	5 4	12 58	1 49	5 28	1 7	24 5	1 6	10 23	0 47	20 47	1 47	22 35	0 39	9 25	1 39	31 32	8 11	15 47	16 4	20 6		n.a.
T 11	7 45	8 44	4 56	12 17	1 46	4 57	1 6	24 2	1 7	10 27	0 47	20 48	1 47	22 35	0 39	9 24	1 39	31 32	8 11	15 44	16 3	20 6		n.a.
W12	7 23	4 22	4 33	11 35	1 43	4 26	1 4	23 58	1 8	10 31	0 46	20 49	1 47	22 36	0 39	9 23	1 39	31 32	8 11	15 41	16 2	20 6		n.a.
T 13	6 59	0s17	3 54	10 53	1 39	3 54	1 3	23 55	1 9	10 35	0 46	20 50	1 47	22 36	0 39	9 23	1 39	31 32	8 11	15 38	16 1	20 6		n.a.
F 14	6 36	5 0	3 1	10 10	1 35	3 22	1 1	23 51	1 9	10 39	0 46	20 51	1 47	22 36	0 39	9 22	1 39	31 32	8 10	15 35	16 0	20 6		n.a.
S 15	6 13	9 31	1 56	9 26	1 31	2 51	0 59	23 47	1 10	10 43	0 46	20 51	1 47	22 36	0 39	9 21	1 39	31 32	8 10	15 34	15 59	20 6		n.a.
S 16	5 50	13 33	0 44	8 42	1 26	2 19	0 58	23 43	1 11	10 48	0 46	20 52	1 47	22 36	0 39	9 20	1 39	31 32	8 10	15 33	15 58	20 6		n.a.
M17	5 26	16 49	0n32	7 58	1 21	1 47	0 56	23 39	1 12	10 52	0 46	20 53	1 47	22 36	0 39	9 19	1 39	31 32	8 10	15 33	15 57	20 6		n.a.
T 18	5 2	19 4	1 46	7 13	1 16	1 15	0 54	23 35	1 13	10 56	0 45	20 53	1 47	22 37	0 39	9 18	1 39	31 31	8 10	15 33	15 56	20 6		n.a.
W19	4 39	20 9	2 53	6 28	1 11	0 43	0 52	23 31	1 13	11 1	0 45	20 54	1 47	22 37	0 39	9 17	1 39	31 31	8 10	15 34	15 55	20 6		n.a.
T 20	4 15	19 57	3 50	5 43	1 5	0 11	0 50	23 27	1 14	11 5	0 45	20 55	1 46	22 37	0 39	9 17	1 39	31 31	8 10	15 33	15 54	20 7		n.a.
F 21	3 51	18 30	4 33	4 58	0 59	0s21	0 48	23 22	1 15	11 9	0 45	20 55	1 46	22 37	0 39	9 16	1 39	31 31	8 9	15 33	15 53	20 7		n.a.
S 22	3 27	15 57	4 59	4 13	0 53	0 53	0 46	23 17	1 16	11 14	0 45	20 56	1 46	22 37	0 39	9 15	1 39	31 31	8 9	15 31	15 52	20 7		n.a.
S 23	3 3	12 31	5 7	3 27	0 47	1 25	0 44	23 13	1 17	11 18	0 45	20 56	1 46	22 37	0 39	9 14	1 39	31 31	8 9	15 29	15 51	20 7		n.a.
M24	2 39	8 27	4 58	2 42	0 41	1 57	0 42	23 8	1 18	11 22	0 44	20 57	1 46	22 37	0 39	9 13	1 39	31 31	8 9	15 27	15 50	20 7		n.a.
T 25	2 15	4 0	4 32	1 57	0 35	2 29	0 40	23 3	1 18	11 27	0 44	20 57	1 46	22 37	0 39	9 12	1 39	31 31	8 9	15 24	15 49	20 7		n.a.
W26	1 51	0n34	3 51	1 12	0 28	3 1	0 38	22 57	1 19	11 31	0 44	20 58	1 46	22 37	0 39	9 12	1 39	31 30	8 9	15 22	15 48	20 7		n.a.
T 27	1 27	5 1	2 59	0 27	0 22	3 33	0 36	22 52	1 20	11 36	0 44	20 58	1 46	22 37	0 39	9 11	1 39	31 30	8 8	15 20	15 47	20 7		n.a.
F 28	1 2	9 9	1 59	0s18	0 15	4 5	0 33	22 47	1 21	11 40	0 44	20 59	1 46	22 38	0 39	9 10	1 39	31 30	8 8	15 18	15 46	20 7		n.a.
S 29	0 38	12 47	0 54	1 3	0 9	4 36	0 31	22 41	1 22	11 44	0 44	20 59	1 46	22 38	0 39	9 9	1 39	31 30	8 8	15 17	15 45	20 7		n.a.
S 30	0n14	15n48	0s12	1s48	0n 2	5s 8	0n29	22n36	1n23	11s49	0n44	20s59	1s46	22s38	0s38	9n 8	1n39	31s30	8s 8	15s17	15s44	20n 7		n.a.

Julian Day Number = 1470739.5, Delta T = 05h31m12s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'08, Lahiri = -13°26'08 Julian Calendar 1 Sept. 687 BCE == Greg. Calendar 25 Aug. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

OCTOBER 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 8 29	0♎26'07	25♉ 8	6♎ 8	15♎12	26♋35	2♏40	4°R59	21°R43	10♍51	10°D 3	10♏51	12♏14	14♊16	n.a.	M 1
T 2	0 12 26	1°26'26	7♊ 1	7°43	16°27	27° 8	2°52	4♒57	21♉43	10°53	10♉ 3	10°53	12°11	14°22	n.a.	T 2
W 3	0 16 23	2°26'48	18°50	9°17	17°42	27°42	3° 5	4°56	21°42	10°55	10° 3	10°55	12° 8	14°29	n.a.	W 3
T 4	0 20 19	3°27'13	0♋40	10°51	18°57	28°16	3°17	4°55	21°42	10°58	10° 3	10°R55	12° 5	14°36	n.a.	T 4
F 5	0 24 16	4°27'39	12°37	12°25	20°12	28°49	3°30	4°53	21°42	11° 0	10° 3	10°55	12° 1	14°42	n.a.	F 5
S 6	0 28 12	5°28'07	24°45	13°58	21°27	29°23	3°43	4°52	21°42	11° 2	10° 3	10°53	11°58	14°49	n.a.	S 6
S 7	0 32 9	6°28'37	7♌ 9	15°31	22°42	29°56	3°56	4°51	21°42	11° 4	10° 3	10°50	11°55	14°56	n.a.	S 7
M 8	0 36 5	7°29'09	19°54	17° 4	23°57	0♌29	4° 9	4°50	21°42	11° 6	10° 3	10°45	11°52	15° 2	n.a.	M 8
T 9	0 40 2	8°29'43	3♍ 0	18°36	25°12	1° 2	4°21	4°50	21°D41	11° 8	10° 4	10°40	11°49	15° 9	n.a.	T 9
W10	0 43 58	9°30'19	16°28	20° 9	26°27	1°35	4°34	4°49	21°42	11°10	10° 4	10°34	11°46	15°16	n.a.	W10
T 11	0 47 55	10°30'57	0♎19	21°40	27°42	2° 8	4°47	4°48	21°42	11°12	10° 4	10°30	11°42	15°22	n.a.	T 11
F 12	0 51 51	11°31'36	14°27	23°12	28°57	2°41	5° 0	4°48	21°42	11°14	10° 4	10°26	11°39	15°29	n.a.	F 12
S 13	0 55 48	12°32'17	28°49	24°43	0♏12	3°14	5°13	4°47	21°42	11°16	10° 5	10°24	11°36	15°36	n.a.	S 13
S 14	0 59 45	13°33'00	13♏19	26°14	1°27	3°47	5°27	4°47	21°42	11°18	10° 5	10°D24	11°33	15°42	n.a.	S 14
M15	1 3 41	14°33'44	27°51	27°44	2°42	4°19	5°40	4°47	21°42	11°20	10° 5	10°25	11°30	15°49	n.a.	M15
T 16	1 7 38	15°34'29	12♐20	29°15	3°57	4°51	5°53	4°D47	21°43	11°22	10° 6	10°26	11°27	15°56	n.a.	T 16
W17	1 11 34	16°35'16	26°42	0♏44	5°12	5°24	6° 6	4°47	21°43	11°24	10° 6	10°28	11°23	16° 2	n.a.	W17
T 18	1 15 31	17°36'03	10♑55	2°14	6°27	5°56	6°19	4°47	21°44	11°26	10° 7	10°28	11°20	16° 9	n.a.	T 18
F 19	1 19 27	18°36'52	24°55	3°43	7°42	6°28	6°33	4°47	21°44	11°28	10° 7	10°R28	11°17	16°16	n.a.	F 19
S 20	1 23 24	19°37'42	8♒43	5°12	8°57	7° 0	6°46	4°48	21°45	11°29	10° 8	10°27	11°14	16°22	n.a.	S 20
S 21	1 27 20	20°38'33	22°18	6°40	10°12	7°31	6°59	4°48	21°45	11°31	10° 8	10°25	11°11	16°29	n.a.	S 21
M22	1 31 17	21°39'25	5♓39	8° 8	11°27	8° 3	7°13	4°49	21°46	11°33	10° 9	10°23	11° 7	16°36	n.a.	M22
T 23	1 35 14	22°40'18	18°47	9°35	12°42	8°35	7°26	4°49	21°47	11°35	10° 9	10°20	11° 4	16°42	n.a.	T 23
W24	1 39 10	23°41'12	1♈41	11° 2	13°57	9° 6	7°40	4°50	21°47	11°37	10°10	10°17	11° 1	16°49	n.a.	W24
T 25	1 43 7	24°42'08	14°23	12°28	15°12	9°37	7°53	4°51	21°48	11°38	10°11	10°15	10°58	16°56	n.a.	T 25
F 26	1 47 3	25°43'04	26°51	13°53	16°27	10° 9	8° 6	4°52	21°49	11°40	10°11	10°14	10°55	17° 2	n.a.	F 26
S 27	1 51 0	26°44'02	9♉ 8	15°17	17°42	10°40	8°20	4°53	21°50	11°42	10°12	10°D14	10°52	17° 9	n.a.	S 27
S 28	1 54 56	27°45'01	21°13	16°40	18°56	11°10	8°34	4°55	21°51	11°44	10°13	10°14	10°48	17°16	n.a.	S 28
M29	1 58 53	28°46'01	3♊11	18° 2	20°11	11°41	8°47	4°56	21°52	11°45	10°13	10°15	10°45	17°22	n.a.	M29
T 30	2 2 49	29°47'03	15° 2	19°22	21°26	12°12	9° 1	4°57	21°53	11°47	10°14	10°16	10°42	17°29	n.a.	T 30
W31	2 6 46	0♏48'06	26♊51	20♏41	22♏41	12♌42	9♏14	4♒59	21♉54	11♍49	10♉15	10♏17	10♏39	17♊36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	0s11	18n 4	1s17	2s32	0s 4	5s40	0n27	22n30	1n23	11s53	0n43	21s 0	1s46	22s38	0s38	9n 8	1n39	31s30	8s 8	15s17	15s43	20n 7			n.a.
T 2	0 35	19 31	2 18	3 16	0 11	6 11	0 24	22 24	1 24	11 58	0 43	21 0	1 45	22 38	0 38	9 7	1 39	31 30	8 8	15 18	15 42	20 7			n.a.
W 3	0 59	20 6	3 12	4 0	0 17	6 42	0 22	22 18	1 25	12 2	0 43	21 0	1 45	22 38	0 38	9 6	1 39	31 29	8 8	15 18	15 41	20 7			n.a.
T 4	1 24	19 48	3 59	4 43	0 24	7 13	0 20	22 12	1 26	12 7	0 43	21 0	1 45	22 38	0 38	9 5	1 39	31 29	8 7	15 19	15 40	20 7			n.a.
F 5	1 48	18 36	4 35	5 26	0 31	7 44	0 17	22 6	1 27	12 11	0 43	21 1	1 45	22 38	0 38	9 4	1 39	31 29	8 7	15 19	15 39	20 7			n.a.
S 6	2 12	16 33	5 0	6 9	0 37	8 15	0 15	22 0	1 28	12 16	0 43	21 1	1 45	22 38	0 38	9 4	1 39	31 29	8 7	15 18	15 39	20 7			n.a.
S 7	2 36	13 43	5 12	6 52	0 44	8 46	0 12	21 54	1 29	12 20	0 43	21 1	1 45	22 38	0 38	9 3	1 39	31 29	8 7	15 17	15 38	20 7			n.a.
M 8	3 1	10 11	5 8	7 34	0 50	9 16	0 10	21 47	1 30	12 25	0 42	21 1	1 45	22 38	0 38	9 2	1 39	31 29	8 7	15 16	15 37	20 7			n.a.
T 9	3 25	6 4	4 49	8 15	0 56	9 46	0 7	21 41	1 30	12 29	0 42	21 1	1 45	22 38	0 38	9 1	1 39	31 28	8 7	15 14	15 36	20 7			n.a.
W10	3 49	1 31	4 13	8 56	1 2	10 16	0 5	21 34	1 31	12 34	0 42	21 1	1 45	22 38	0 38	9 1	1 40	31 28	8 6	15 12	15 35	20 7			n.a.
T 11	4 13	3s13	3 22	9 37	1 8	10 46	0 2	21 27	1 32	12 38	0 42	21 1	1 45	22 38	0 38	9 0	1 40	31 28	8 6	15 11	15 34	20 7			n.a.
F 12	4 37	7 53	2 18	10 17	1 14	11 16	0s 0	21 21	1 33	12 43	0 42	21 1	1 44	22 38	0 38	8 59	1 40	31 28	8 6	15 10	15 33	20 7			n.a.
S 13	5 1	12 11	1 3	10 57	1 20	11 45	0 3	21 14	1 34	12 48	0 42	21 1	1 44	22 38	0 38	8 58	1 40	31 28	8 6	15 9	15 32	20 7			n.a.
S 14	5 25	15 48	0n16	11 36	1 26	12 14	0 5	21 7	1 35	12 52	0 42	21 1	1 44	22 38	0 38	8 58	1 40	31 28	8 6	15 9	15 31	20 7			n.a.
M15	5 49	18 25	1 35	12 14	1 32	12 42	0 8	21 0	1 36	12 57	0 41	21 1	1 44	22 37	0 38	8 57	1 40	31 27	8 6	15 9	15 30	20 7			n.a.
T 16	6 13	19 50	2 47	12 52	1 37	13 11	0 10	20 53	1 37	13 1	0 41	21 1	1 44	22 37	0 38	8 56	1 40	31 27	8 6	15 9	15 29	20 7			n.a.
W17	6 37	19 56	3 48	13 29	1 42	13 39	0 13	20 46	1 38	13 6	0 41	21 1	1 44	22 37	0 38	8 55	1 40	31 27	8 5	15 10	15 28	20 7			n.a.
T 18	7 0	18 46	4 35	14 6	1 47	14 6	0 16	20 39	1 39	13 10	0 41	21 1	1 44	22 37	0 38	8 55	1 40	31 27	8 5	15 10	15 27	20 7			n.a.
F 19	7 24	16 28	5 4	14 41	1 52	14 34	0 18	20 32	1 40	13 15	0 41	21 1	1 44	22 37	0 38	8 54	1 40	31 27	8 5	15 10	15 26	20 7			n.a.
S 20	7 47	13 16	5 15	15 16	1 57	15 0	0 21	20 24	1 41	13 19	0 41	21 0	1 44	22 37	0 38	8 53	1 40	31 26	8 5	15 10	15 25	20 7			n.a.
S 21	8 10	9 25	5 9	15 50	2 1	15 27	0 23	20 17	1 42	13 24	0 41	21 0	1 43	22 37	0 38	8 53	1 40	31 26	8 5	15 9	15 24	20 7			n.a.
M22	8 33	5 9	4 45	16 23	2 5	15 53	0 26	20 10	1 43	13 28	0 41	21 0	1 43	22 37	0 38	8 52	1 40	31 26	8 5	15 8	15 23	20 7			n.a.
T 23	8 56	0 43	4 8	16 55	2 9	16 19	0 28	20 2	1 44	13 33	0 41	21 0	1 43	22 37	0 38	8 51	1 40	31 26	8 4	15 8	15 22	20 7			n.a.
W24	9 19	3n42	3 17	17 26	2 12	16 44	0 31	19 55	1 45	13 37	0 40	20 59	1 43	22 36	0 38	8 51	1 40	31 26	8 4	15 7	15 21	20 7			n.a.
T 25	9 42	7 52	2 18	17 56	2 15	17 9	0 33	19 47	1 46	13 42	0 40	20 59	1 43	22 36	0 38	8 50	1 40	31 25	8 4	15 6	15 20	20 7			n.a.
F 26	10 5	11 38	1 13	18 25	2 18	17 34	0 36	19 40	1 47	13 46	0 40	20 59	1 43	22 36	0 38	8 49	1 40	31 25	8 4	15 6	15 19	20 7			n.a.
S 27	10 27	14 50	0 6	18 53	2 20	17 57	0 38	19 32	1 48	13 51	0 40	20 58	1 43	22 36	0 38	8 49	1 40	31 25	8 4	15 6	15 18	20 7			n.a.
S 28	10 49	17 21	1s 1	19 19	2 22	18 21	0 41	19 24	1 49	13 55	0 40	20 58	1 43	22 36	0 38	8 48	1 40	31 25	8 4	15 6	15 17	20 6			n.a.
M29	11 11	19 4	2 4	19 44	2 24	18 44	0 43	19 17	1 50	14 0	0 40	20 57	1 43	22 36	0 38	8 48	1 40	31 25	8 4	15 6	15 16	20 6			n.a.
T 30	11 33	19 55	3 1	20 8	2 24	19 6	0 46	19 9	1 51	14 4	0 40	20 57	1 42	22 35	0 38	8 47	1 40	31 24	8 3	15 6	15 15	20 6			n.a.
W31	11s55	19n53	3s51	20s30	2s25	19s28	0s48	19n 1	1n52	14s 9	0n40	20s56	1s42	22s35	0s38	8n46	1n40	31s24	8s 3	15s 7	15s14	20n 6			n.a.

Julian Day Number = 1470769.5, Delta T = 05h31m10s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'04, Lahiri = -13°26'04 Julian Calendar 1 Oct. 687 BCE == Greg. Calendar 24 Sept. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

NOVEMBER 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 10 43	1♏49'09	8♋41	21♏57	23♏56	13♌12	9♏28	5♒ 1	21♑55	11♍50	10♑16	10♏18	10♏36	17♊42	n.a.	T 1
F 2	2 14 39	2°50'15	20°36	23°12	25°11	13°43	9°41	5° 2	21°56	11°52	10°17	10°18	10°33	17°49	n.a.	F 2
S 3	2 18 36	3°51'21	2♌42	24°24	26°25	14°13	9°55	5° 4	21°57	11°53	10°18	10°R19	10°29	17°56	n.a.	S 3
S 4	2 22 32	4°52'29	15° 3	25°33	27°40	14°42	10° 9	5° 6	21°59	11°55	10°18	10°19	10°26	18° 2	n.a.	S 4
M 5	2 26 29	5°53'37	27°43	26°39	28°55	15°12	10°22	5° 8	22° 0	11°56	10°19	10°18	10°23	18° 9	n.a.	M 5
T 6	2 30 25	6°54'47	10♍46	27°41	0♐10	15°42	10°36	5°10	22° 1	11°58	10°20	10°18	10°20	18°16	n.a.	T 6
W 7	2 34 22	7°55'58	24°15	28°38	1°25	16°11	10°50	5°13	22° 3	11°59	10°21	10°17	10°17	18°23	n.a.	W 7
T 8	2 38 18	8°57'09	8♎ 9	29°30	2°39	16°40	11° 3	5°15	22° 4	12° 1	10°22	10°17	10°13	18°29	n.a.	T 8
F 9	2 42 15	9°58'22	22°28	0♐17	3°54	17° 9	11°17	5°18	22° 6	12° 2	10°23	10°D17	10°10	18°36	n.a.	F 9
S 10	2 46 12	10°59'35	7♏ 8	0°56	5° 9	17°38	11°31	5°20	22° 8	12° 3	10°24	10°R17	10° 7	18°43	n.a.	S 10
S 11	2 50 8	12° 0'49	22° 1	1°28	6°23	18° 7	11°44	5°23	22° 9	12° 5	10°25	10°17	10° 4	18°49	n.a.	S 11
M12	2 54 5	13° 2'04	7♐ 0	1°52	7°38	18°35	11°58	5°26	22°11	12° 6	10°26	10°17	10° 1	18°56	n.a.	M12
T 13	2 58 1	14° 3'19	21°57	2° 6	8°53	19° 3	12°12	5°29	22°13	12° 7	10°28	10°17	9°58	19° 3	n.a.	T 13
W14	3 1 58	15° 4'35	6♑43	2°R11	10° 8	19°31	12°26	5°32	22°14	12° 9	10°29	10°16	9°54	19° 9	n.a.	W14
T 15	3 5 54	16° 5'50	21°13	2° 4	11°22	19°59	12°39	5°35	22°16	12°10	10°30	10°16	9°51	19°16	n.a.	T 15
F 16	3 9 51	17° 7'06	5♒23	1°46	12°37	20°27	12°53	5°38	22°18	12°11	10°31	10°15	9°48	19°23	n.a.	F 16
S 17	3 13 48	18° 8'22	19°11	1°16	13°51	20°54	13° 7	5°41	22°20	12°12	10°32	10°D15	9°45	19°29	n.a.	S 17
S 18	3 17 44	19° 9'38	2♓38	0°35	15° 6	21°21	13°20	5°45	22°22	12°13	10°33	10°15	9°42	19°36	n.a.	S 18
M19	3 21 41	20°10'54	15°45	29♏42	16°21	21°48	13°34	5°48	22°24	12°14	10°35	10°16	9°38	19°43	n.a.	M19
T 20	3 25 37	21°12'09	28°35	28°40	17°35	22°15	13°48	5°52	22°26	12°16	10°36	10°17	9°35	19°49	n.a.	T 20
W21	3 29 34	22°13'25	11♈10	27°29	18°50	22°42	14° 1	5°55	22°28	12°17	10°37	10°18	9°32	19°56	n.a.	W21
T 22	3 33 30	23°14'41	23°32	26°12	20° 4	23° 8	14°15	5°59	22°30	12°18	10°38	10°19	9°29	20° 3	n.a.	T 22
F 23	3 37 27	24°15'57	5♉44	24°51	21°19	23°34	14°29	6° 3	22°32	12°19	10°40	10°R20	9°26	20° 9	n.a.	F 23
S 24	3 41 23	25°17'13	17°47	23°29	22°33	24° 0	14°42	6° 7	22°34	12°20	10°41	10°20	9°23	20°16	n.a.	S 24
S 25	3 45 20	26°18'29	29°45	22° 8	23°47	24°26	14°56	6°11	22°37	12°20	10°42	10°19	9°19	20°23	n.a.	S 25
M26	3 49 17	27°19'45	11♊37	20°52	25° 2	24°51	15° 9	6°15	22°39	12°21	10°44	10°17	9°16	20°29	n.a.	M26
T 27	3 53 13	28°21'01	23°28	19°42	26°16	25°16	15°23	6°19	22°41	12°22	10°45	10°14	9°13	20°36	n.a.	T 27
W28	3 57 10	29°22'18	5♋17	18°40	27°31	25°41	15°36	6°23	22°44	12°23	10°47	10°11	9°10	20°43	n.a.	W28
T 29	4 1 6	0♐23'34	17° 9	17°48	28°45	26° 6	15°50	6°28	22°46	12°24	10°48	10° 8	9° 7	20°49	n.a.	T 29
F 30	4 5 3	1♐24'50	29♋ 6	17♏ 5	29♐59	26♌30	16♏ 3	6♒32	22♑48	12♍25	10♑50	10♏ 4	9♏ 4	20♊56	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s16	18n59	4s31	20s50	2s24	19s50	0s50	18n53	1n53	14s13	0n40	20s56	1s42	22s35	0s38	8n46	1n40	31s24	8s 3	15s 7	15s13	20n 6		n.a.
F 2	12 38	17 14	4 59	21 9	2 23	20 11	0 53	18 45	1 54	14 18	0 39	20 55	1 42	22 35	0 38	8 45	1 40	31 24	8 3	15 7	15 12	20 6		n.a.
S 3	12 59	14 43	5 15	21 25	2 22	20 31	0 55	18 38	1 55	14 22	0 39	20 55	1 42	22 34	0 38	8 45	1 41	31 24	8 3	15 7	15 11	20 6		n.a.
S 4	13 20	11 30	5 17	21 40	2 19	20 51	0 57	18 30	1 56	14 27	0 39	20 54	1 42	22 34	0 38	8 44	1 41	31 23	8 3	15 7	15 10	20 6		n.a.
M 5	13 40	7 42	5 3	21 53	2 16	21 10	1 0	18 22	1 57	14 31	0 39	20 54	1 42	22 34	0 38	8 44	1 41	31 23	8 3	15 7	15 8	20 6		n.a.
T 6	14 1	3 25	4 34	22 3	2 12	21 29	1 2	18 14	1 58	14 36	0 39	20 53	1 42	22 34	0 37	8 43	1 41	31 23	8 3	15 7	15 7	20 6		n.a.
W 7	14 21	1s11	3 49	22 11	2 6	21 47	1 4	18 6	1 59	14 40	0 39	20 52	1 42	22 33	0 37	8 43	1 41	31 23	8 2	15 7	15 6	20 5		n.a.
T 8	14 41	5 52	2 49	22 17	2 0	22 4	1 6	17 58	2 0	14 44	0 39	20 52	1 41	22 33	0 37	8 42	1 41	31 23	8 2	15 7	15 5	20 5		n.a.
F 9	15 1	10 22	1 38	22 19	1 52	22 21	1 8	17 50	2 1	14 49	0 39	20 51	1 41	22 33	0 37	8 42	1 41	31 22	8 2	15 7	15 4	20 5		n.a.
S 10	15 20	14 22	0 18	22 19	1 44	22 37	1 10	17 42	2 2	14 53	0 39	20 50	1 41	22 33	0 37	8 41	1 41	31 22	8 2	15 7	15 3	20 5		n.a.
S 11	15 39	17 29	1n 5	22 16	1 33	22 52	1 12	17 34	2 4	14 57	0 39	20 49	1 41	22 32	0 37	8 41	1 41	31 22	8 2	15 7	15 2	20 5		n.a.
M12	15 58	19 26	2 23	22 10	1 22	23 7	1 14	17 26	2 5	15 2	0 39	20 49	1 41	22 32	0 37	8 40	1 41	31 22	8 2	15 7	15 1	20 5		n.a.
T 13	16 17	20 0	3 32	22 0	1 9	23 21	1 16	17 19	2 6	15 6	0 38	20 48	1 41	22 32	0 37	8 40	1 41	31 21	8 2	15 6	15 0	20 5		n.a.
W14	16 35	19 11	4 25	21 47	0 55	23 34	1 18	17 11	2 7	15 10	0 38	20 47	1 41	22 31	0 37	8 39	1 41	31 21	8 2	15 6	14 59	20 5		n.a.
T 15	16 53	17 8	5 0	21 30	0 39	23 47	1 20	17 3	2 8	15 15	0 38	20 46	1 41	22 31	0 37	8 39	1 41	31 21	8 1	15 6	14 58	20 4		n.a.
F 16	17 11	14 4	5 17	21 10	0 22	23 59	1 22	16 55	2 9	15 19	0 38	20 45	1 41	22 31	0 37	8 38	1 41	31 21	8 1	15 6	14 57	20 4		n.a.
S 17	17 28	10 19	5 14	20 46	0 4	24 10	1 24	16 47	2 11	15 23	0 38	20 44	1 40	22 30	0 37	8 38	1 41	31 21	8 1	15 6	14 56	20 4		n.a.
S 18	17 46	6 7	4 54	20 18	0n16	24 21	1 25	16 39	2 12	15 28	0 38	20 43	1 40	22 30	0 37	8 38	1 41	31 20	8 1	15 6	14 55	20 4		n.a.
M19	18 2	1 43	4 19	19 47	0 36	24 30	1 27	16 32	2 13	15 32	0 38	20 42	1 40	22 30	0 37	8 37	1 41	31 20	8 1	15 6	14 54	20 4		n.a.
T 20	18 19	2n39	3 32	19 14	0 56	24 39	1 29	16 24	2 14	15 36	0 38	20 41	1 40	22 29	0 37	8 37	1 42	31 20	8 1	15 7	14 53	20 4		n.a.
W21	18 35	6 51	2 35	18 38	1 16	24 48	1 30	16 16	2 15	15 40	0 38	20 40	1 40	22 29	0 37	8 37	1 42	31 20	8 1	15 7	14 52	20 3		n.a.
T 22	18 51	10 41	1 32	18 1	1 36	24 55	1 32	16 9	2 17	15 44	0 38	20 39	1 40	22 29	0 37	8 36	1 42	31 20	8 1	15 7	14 51	20 3		n.a.
F 23	19 6	14 1	0 25	17 24	1 54	25 2	1 33	16 1	2 18	15 48	0 38	20 38	1 40	22 28	0 37	8 36	1 42	31 19	8 1	15 7	14 50	20 3		n.a.
S 24	19 21	16 43	0s41	16 47	2 11	25 8	1 34	15 53	2 19	15 53	0 38	20 37	1 40	22 28	0 37	8 36	1 42	31 19	8 1	15 7	14 49	20 3		n.a.
S 25	19 36	18 40	1 45	16 12	2 26	25 13	1 36	15 46	2 20	15 57	0 38	20 36	1 40	22 27	0 37	8 35	1 42	31 19	8 0	15 7	14 48	20 3		n.a.
M26	19 50	19 47	2 45	15 40	2 39	25 18	1 37	15 38	2 22	16 1	0 37	20 35	1 40	22 27	0 37	8 35	1 42	31 19	8 0	15 7	14 47	20 3		n.a.
T 27	20 4	20 1	3 36	15 11	2 49	25 21	1 38	15 31	2 23	16 5	0 37	20 34	1 39	22 27	0 37	8 35	1 42	31 19	8 0	15 6	14 46	20 2		n.a.
W28	20 18	19 21	4 19	14 47	2 58	25 24	1 39	15 24	2 24	16 9	0 37	20 32	1 39	22 26	0 37	8 35	1 42	31 18	8 0	15 5	14 45	20 2		n.a.
T 29	20 31	17 52	4 50	14 27	3 3	25 26	1 40	15 16	2 26	16 13	0 37	20 31	1 39	22 26	0 37	8 34	1 42	31 18	8 0	15 4	14 44	20 2		n.a.
F 30	20s44	15n35	5s 9	14s11	3n 7	25s28	1s41	15n 9	2n27	16s17	0n37	20s30	1s39	22s25	0s37	8n34	1n42	31s18	8s 0	15s 3	14s43	20n 2		n.a.

Julian Day Number = 1470800.5, Delta T = 05h31m09s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°33'00, Lahiri = -13°26'00 Julian Calendar 1 Nov. 687 BCE == Greg. Calendar 25 Oct. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 687 BCE
geocentric

DECEMBER 687 BCE (-686) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 8 59	2♐26'07	11♌11	16°R33	1♑13	26♌54	16♏17	6♒37	22♑51	12♍25	10♑51	10°R 2	9♏ 0	21♊ 3	n.a.	S 1
S 2	4 12 56	3°27'23	23°28	16♏11	2°28	27°18	16°30	6°41	22°53	12°26	10°52	10♏ 0	8°57	21° 9	n.a.	S 2
M 3	4 16 52	4°28'39	6♍ 3	15°59	3°42	27°42	16°44	6°46	22°56	12°27	10°54	10°D 0	8°54	21°16	n.a.	M 3
T 4	4 20 49	5°29'56	18°57	15°D56	4°56	28° 5	16°57	6°51	22°58	12°27	10°55	10° 0	8°51	21°23	n.a.	T 4
W 5	4 24 46	6°31'12	2♎16	16° 3	6°10	28°28	17°10	6°56	23° 1	12°28	10°57	10° 2	8°48	21°30	n.a.	W 5
T 6	4 28 42	7°32'28	16° 3	16°17	7°24	28°50	17°24	7° 1	23° 4	12°28	10°59	10° 4	8°44	21°36	n.a.	T 6
F 7	4 32 39	8°33'44	0♏16	16°38	8°38	29°13	17°37	7° 6	23° 6	12°29	11° 0	10° 5	8°41	21°43	n.a.	F 7
S 8	4 36 35	9°35'00	14°56	17° 7	9°53	29°35	17°50	7°11	23° 9	12°29	11° 2	10°R 5	8°38	21°50	n.a.	S 8
S 9	4 40 32	10°36'16	29°56	17°41	11° 7	29°56	18° 3	7°16	23°12	12°30	11° 3	10° 4	8°35	21°56	n.a.	S 9
M10	4 44 28	11°37'31	15♐ 9	18°21	12°21	0♍17	18°17	7°21	23°14	12°30	11° 5	10° 1	8°32	22° 3	n.a.	M10
T 11	4 48 25	12°38'46	0♑25	19° 6	13°35	0°38	18°30	7°27	23°17	12°31	11° 6	9°57	8°29	22°10	n.a.	T 11
W12	4 52 22	13°40'00	15°33	19°55	14°49	0°59	18°43	7°32	23°20	12°31	11° 8	9°51	8°25	22°16	n.a.	W12
T 13	4 56 18	14°41'13	0♒25	20°48	16° 2	1°19	18°56	7°37	23°23	12°31	11°10	9°46	8°22	22°23	n.a.	T 13
F 14	5 0 15	15°42'25	14°52	21°45	17°16	1°39	19° 9	7°43	23°26	12°32	11°11	9°42	8°19	22°30	n.a.	F 14
S 15	5 4 11	16°43'35	28°51	22°45	18°30	1°58	19°22	7°49	23°29	12°32	11°13	9°39	8°16	22°36	n.a.	S 15
S 16	5 8 8	17°44'45	12♓23	23°47	19°44	2°17	19°35	7°54	23°32	12°32	11°15	9°D37	8°13	22°43	n.a.	S 16
M17	5 12 4	18°45'54	25°29	24°53	20°58	2°36	19°48	8° 0	23°35	12°32	11°16	9°37	8°10	22°50	n.a.	M17
T 18	5 16 1	19°47'02	8♈12	26° 0	22°11	2°54	20° 0	8° 6	23°38	12°32	11°18	9°38	8° 6	22°56	n.a.	T 18
W19	5 19 57	20°48'08	20°36	27°10	23°25	3°12	20°13	8°12	23°41	12°32	11°20	9°40	8° 3	23° 3	n.a.	W19
T 20	5 23 54	21°49'13	2♉47	28°22	24°38	3°30	20°26	8°18	23°44	12°33	11°21	9°41	8° 0	23°10	n.a.	T 20
F 21	5 27 51	22°50'18	14°48	29°36	25°52	3°47	20°39	8°24	23°47	12°33	11°23	9°R41	7°57	23°16	n.a.	F 21
S 22	5 31 47	23°51'21	26°42	0♐51	27° 5	4° 3	20°51	8°30	23°50	12°R33	11°25	9°40	7°54	23°23	n.a.	S 22
S 23	5 35 44	24°52'23	8♊33	2° 8	28°19	4°19	21° 4	8°36	23°53	12°33	11°27	9°36	7°50	23°30	n.a.	S 23
M24	5 39 40	25°53'24	20°22	3°26	29°32	4°35	21°16	8°42	23°56	12°32	11°28	9°30	7°47	23°37	n.a.	M24
T 25	5 43 37	26°54'23	2♋13	4°45	0♒46	4°50	21°29	8°48	23°59	12°32	11°30	9°21	7°44	23°43	n.a.	T 25
W26	5 47 33	27°55'22	14° 6	6° 6	1°59	5° 5	21°41	8°54	24° 2	12°32	11°32	9°12	7°41	23°50	n.a.	W26
T 27	5 51 30	28°56'19	26° 3	7°27	3°12	5°19	21°53	9° 1	24° 6	12°32	11°34	9° 2	7°38	23°57	n.a.	T 27
F 28	5 55 26	29°57'16	8♌ 6	8°50	4°25	5°33	22° 6	9° 7	24° 9	12°32	11°35	8°52	7°35	24° 3	n.a.	F 28
S 29	5 59 23	0♑58'11	20°16	10°14	5°38	5°46	22°18	9°13	24°12	12°32	11°37	8°44	7°31	24°10	n.a.	S 29
S 30	6 3 20	1°59'05	2♍37	11°39	6°51	5°59	22°30	9°20	24°15	12°31	11°39	8°37	7°28	24°17	n.a.	S 30
M31	6 7 16	2♑59'58	15♍10	13♐ 5	8♒ 4	6♍11	22♏42	9♒26	24♑19	12♍31	11♑41	8♏33	7♏25	24♊23	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	20s56	12n37	5s15	14s 0	3n 9	25s28	1s42	15n 2	2n28	16s21	0n37	20s29	1s39	22s25	0s37	8n34	1n42	31s18	8s 0	15s 2	14s42	20n 2		n.a.	
S 2	21 8	9 4	5 6	13 54	3 9	25 28	1 43	14 55	2 30	16 25	0 37	20 27	1 39	22 25	0 37	8 34	1 42	31 18	8 0	15 1	14 41	20 1		n.a.	
M 3	21 20	5 2	4 43	13 52	3 7	25 27	1 44	14 48	2 31	16 29	0 37	20 26	1 39	22 24	0 37	8 33	1 42	31 17	8 0	15 1	14 40	20 1		n.a.	
T 4	21 31	0 41	4 5	13 54	3 4	25 25	1 44	14 41	2 32	16 33	0 37	20 25	1 39	22 24	0 37	8 33	1 42	31 17	8 0	15 1	14 39	20 1		n.a.	
W 5	21 42	3s52	3 13	14 0	3 0	25 23	1 45	14 34	2 34	16 37	0 37	20 23	1 39	22 23	0 37	8 33	1 42	31 17	8 0	15 2	14 38	20 1		n.a.	
T 6	21 52	8 22	2 8	14 9	2 55	25 19	1 46	14 27	2 35	16 40	0 37	20 22	1 39	22 23	0 37	8 33	1 43	31 17	8 0	15 2	14 37	20 0		n.a.	
F 7	22 2	12 34	0 54	14 21	2 49	25 15	1 46	14 21	2 36	16 44	0 37	20 21	1 39	22 22	0 37	8 33	1 43	31 17	8 0	15 3	14 36	20 0		n.a.	
S 8	22 12	16 7	0n27	14 35	2 42	25 10	1 46	14 14	2 38	16 48	0 37	20 19	1 39	22 22	0 37	8 33	1 43	31 16	8 0	15 3	14 35	20 0		n.a.	
S 9	22 21	18 41	1 47	14 52	2 35	25 5	1 47	14 8	2 39	16 52	0 37	20 18	1 38	22 21	0 37	8 33	1 43	31 16	7 59	15 2	14 34	20 0		n.a.	
M10	22 30	19 57	3 0	15 10	2 27	24 58	1 47	14 2	2 41	16 56	0 37	20 16	1 38	22 21	0 37	8 32	1 43	31 16	7 59	15 1	14 33	19 59		n.a.	
T 11	22 38	19 45	4 1	15 30	2 19	24 51	1 47	13 55	2 42	16 59	0 37	20 15	1 38	22 20	0 37	8 32	1 43	31 16	7 59	15 0	14 32	19 59		n.a.	
W12	22 46	18 9	4 45	15 52	2 11	24 43	1 47	13 49	2 44	17 3	0 36	20 14	1 38	22 20	0 37	8 32	1 43	31 16	7 59	14 58	14 31	19 59		n.a.	
T 13	22 53	15 20	5 8	16 14	2 3	24 34	1 47	13 43	2 45	17 7	0 36	20 12	1 38	22 19	0 37	8 32	1 43	31 15	7 59	14 57	14 30	19 59		n.a.	
F 14	23 0	11 39	5 11	16 37	1 54	24 25	1 47	13 38	2 47	17 10	0 36	20 11	1 38	22 19	0 37	8 32	1 43	31 15	7 59	14 55	14 29	19 58		n.a.	
S 15	23 6	7 26	4 55	17 1	1 45	24 15	1 47	13 32	2 48	17 14	0 36	20 9	1 38	22 18	0 37	8 32	1 43	31 15	7 59	14 54	14 27	19 58		n.a.	
S 16	23 12	2 58	4 23	17 26	1 36	24 4	1 47	13 26	2 50	17 18	0 36	20 7	1 38	22 18	0 37	8 32	1 43	31 15	7 59	14 54	14 26	19 58		n.a.	
M17	23 18	1n30	3 38	17 50	1 28	23 52	1 46	13 21	2 51	17 21	0 36	20 6	1 38	22 17	0 37	8 32	1 43	31 15	7 59	14 54	14 25	19 58		n.a.	
T 18	23 23	5 47	2 43	18 15	1 19	23 40	1 46	13 16	2 53	17 25	0 36	20 4	1 38	22 17	0 37	8 32	1 43	31 15	7 59	14 54	14 24	19 57		n.a.	
W19	23 27	9 44	1 42	18 40	1 10	23 27	1 46	13 10	2 54	17 28	0 36	20 3	1 38	22 16	0 37	8 32	1 43	31 14	7 59	14 55	14 23	19 57		n.a.	
T 20	23 31	13 12	0 37	19 5	1 1	23 13	1 45	13 5	2 56	17 32	0 36	20 1	1 38	22 16	0 37	8 32	1 43	31 14	7 59	14 55	14 22	19 57		n.a.	
F 21	23 35	16 4	0s28	19 30	0 52	22 59	1 44	13 1	2 57	17 35	0 36	19 59	1 38	22 15	0 37	8 32	1 43	31 14	7 59	14 55	14 21	19 57		n.a.	
S 22	23 38	18 13	1 31	19 54	0 44	22 44	1 44	12 56	2 59	17 39	0 36	19 58	1 38	22 14	0 37	8 32	1 44	31 14	7 59	14 55	14 20	19 56		n.a.	
S 23	23 40	19 34	2 30	20 18	0 35	22 28	1 43	12 51	3 1	17 42	0 36	19 56	1 38	22 14	0 37	8 32	1 44	31 14	7 59	14 53	14 19	19 56		n.a.	
M24	23 43	20 4	3 22	20 42	0 27	22 12	1 42	12 47	3 2	17 45	0 36	19 54	1 37	22 13	0 37	8 32	1 44	31 14	7 59	14 51	14 18	19 56		n.a.	
T 25	23 44	19 40	4 5	21 5	0 19	21 55	1 41	12 43	3 4	17 49	0 36	19 53	1 37	22 13	0 37	8 32	1 44	31 13	7 59	14 49	14 17	19 55		n.a.	
W26	23 46	18 25	4 38	21 27	0 10	21 37	1 40	12 39	3 5	17 52	0 36	19 51	1 37	22 12	0 37	8 33	1 44	31 13	7 59	14 46	14 16	19 55		n.a.	
T 27	23 46	16 21	4 59	21 49	0 2	21 19	1 39	12 35	3 7	17 55	0 36	19 49	1 37	22 12	0 37	8 33	1 44	31 13	7 59	14 42	14 15	19 55		n.a.	
F 28	23 47	13 34	5 6	22 10	0s 5	21 0	1 37	12 31	3 9	17 58	0 36	19 47	1 37	22 11	0 37	8 33	1 44	31 13	7 59	14 39	14 14	19 54		n.a.	
S 29	23 46	10 11	5 0	22 31	0 13	20 41	1 36	12 28	3 10	18 2	0 36	19 46	1 37	22 10	0 37	8 33	1 44	31 13	7 59	14 37	14 13	19 54		n.a.	
S 30	23 46	6 20	4 40	22 50	0 20	20 21	1 35	12 25	3 12	18 5	0 36	19 44	1 37	22 10	0 37	8 33	1 44	31 13	7 59	14 34	14 12	19 54		n.a.	
M31	23s44	2n 8	4s 6	23s 9	0s28	20s 0	1s33	12n22	3n14	18s 8	0n36	19s42	1s37	22s 9	0s37	8n33	1n44	31s13	7s59	14s33	14s11	19n54		n.a.	

Julian Day Number = 1470830.5, Delta T = 05h31m07s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'56, Lahiri = -13°25'56 Julian Calendar 1 Dec. 687 BCE == Greg. Calendar 24 Nov. 687 BCE

The year -686 astronomical counting style corresponds to year 687 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

JANUARY 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 11 13	4♑ 0'50	28♍ 0	14♐32	9♒17	6♍23	22♏54	9♒33	24♑22	12°R31	11♑42	8°R31	7♏22	24♊30	n.a.	T 1
W 2	6 15 9	5° 1'41	11♎11	15°59	10°30	6°34	23° 6	9°40	24°25	12♍30	11°44	8°D31	7°19	24°37	n.a.	W 2
T 3	6 19 6	6° 2'31	24°45	17°28	11°42	6°44	23°18	9°46	24°28	12°30	11°46	8♏32	7°16	24°43	n.a.	T 3
F 4	6 23 2	7° 3'20	8♏44	18°57	12°55	6°54	23°29	9°53	24°32	12°30	11°48	8°R33	7°12	24°50	n.a.	F 4
S 5	6 26 59	8° 4'08	23°10	20°28	14° 8	7° 4	23°41	10° 0	24°35	12°29	11°50	8°32	7° 9	24°57	n.a.	S 5
S 6	6 30 55	9° 4'54	7♐59	21°59	15°20	7°13	23°53	10° 7	24°39	12°29	11°51	8°28	7° 6	25° 3	n.a.	S 6
M 7	6 34 52	10° 5'40	23° 6	23°31	16°33	7°21	24° 4	10°13	24°42	12°28	11°53	8°23	7° 3	25°10	n.a.	M 7
T 8	6 38 49	11° 6'23	8♑22	25° 3	17°45	7°28	24°16	10°20	24°45	12°28	11°55	8°14	7° 0	25°17	n.a.	T 8
W 9	6 42 45	12° 7'06	23°37	26°37	18°58	7°35	24°27	10°27	24°49	12°27	11°57	8° 5	6°56	25°24	n.a.	W 9
T 10	6 46 42	13° 7'46	8♒39	28°11	20°10	7°41	24°38	10°34	24°52	12°26	11°59	7°54	6°53	25°30	n.a.	T 10
F 11	6 50 38	14° 8'25	23°19	29°47	21°22	7°47	24°49	10°41	24°55	12°26	12° 0	7°45	6°50	25°37	n.a.	F 11
S 12	6 54 35	15° 9'02	7♓31	1♑23	22°34	7°52	25° 1	10°48	24°59	12°25	12° 2	7°37	6°47	25°44	n.a.	S 12
S 13	6 58 31	16° 9'36	21°12	3° 0	23°46	7°56	25°12	10°55	25° 2	12°24	12° 4	7°32	6°44	25°50	n.a.	S 13
M14	7 2 28	17°10'09	4♈25	4°38	24°58	7°59	25°23	11° 2	25° 6	12°24	12° 6	7°30	6°41	25°57	n.a.	M14
T 15	7 6 25	18°10'40	17°10	6°17	26°10	8° 2	25°33	11°10	25° 9	12°23	12° 7	7°D29	6°37	26° 4	n.a.	T 15
W16	7 10 21	19°11'09	29°35	7°56	27°21	8° 4	25°44	11°17	25°13	12°22	12° 9	7°29	6°34	26°10	n.a.	W16
T 17	7 14 18	20°11'36	11♉43	9°37	28°33	8° 6	25°55	11°24	25°16	12°21	12°11	7°R29	6°31	26°17	n.a.	T 17
F 18	7 18 14	21°12'00	23°39	11°18	29°44	8°R 7	26° 5	11°31	25°19	12°20	12°13	7°28	6°28	26°24	n.a.	F 18
S 19	7 22 11	22°12'23	5♊30	13° 1	0♓56	8° 7	26°16	11°38	25°23	12°19	12°15	7°25	6°25	26°30	n.a.	S 19
S 20	7 26 7	23°12'44	17°18	14°44	2° 7	8° 6	26°26	11°46	25°26	12°18	12°16	7°18	6°22	26°37	n.a.	S 20
M21	7 30 4	24°13'03	29° 7	16°29	3°18	8° 4	26°36	11°53	25°30	12°18	12°18	7° 9	6°18	26°44	n.a.	M21
T 22	7 34 0	25°13'19	11♋ 0	18°14	4°29	8° 2	26°46	12° 0	25°33	12°17	12°20	6°58	6°15	26°51	n.a.	T 22
W23	7 37 57	26°13'34	22°59	20° 1	5°40	7°59	26°56	12° 8	25°37	12°16	12°22	6°44	6°12	26°57	n.a.	W23
T 24	7 41 54	27°13'47	5♌ 5	21°48	6°51	7°55	27° 6	12°15	25°40	12°15	12°23	6°30	6° 9	27° 4	n.a.	T 24
F 25	7 45 50	28°13'58	17°19	23°36	8° 2	7°51	27°16	12°22	25°44	12°13	12°25	6°16	6° 6	27°11	n.a.	F 25
S 26	7 49 47	29°14'07	29°41	25°26	9°12	7°45	27°26	12°30	25°47	12°12	12°27	6° 3	6° 2	27°17	n.a.	S 26
S 27	7 53 43	0♒14'14	12♍13	27°16	10°23	7°39	27°35	12°37	25°51	12°11	12°29	5°53	5°59	27°24	n.a.	S 27
M28	7 57 40	1°14'19	24°56	29° 8	11°33	7°32	27°45	12°45	25°54	12°10	12°30	5°47	5°56	27°31	n.a.	M28
T 29	8 1 36	2°14'23	7♎51	1♒ 0	12°43	7°25	27°54	12°52	25°57	12° 9	12°32	5°43	5°53	27°37	n.a.	T 29
W30	8 5 33	3°14'25	21° 2	2°54	13°54	7°16	28° 4	12°59	26° 1	12° 8	12°34	5°41	5°50	27°44	n.a.	W30
T 31	8 9 29	4♒14'25	4♏31	4♒48	15♓ 4	7♍ 7	28♏13	13♒ 7	26♑ 4	12♍ 7	12♑35	5♏41	5♏47	27♊51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s43	2s15	3s20	23s26	0s35	19s39	1s32	12n19	3n15	18s11	0n36	19s40	1s37	22s 9	0s37	8n34	1n44	31s12	7s59	14s33	14s10	19n53			n.a.
W 2	23 41	6 39	2 21	23 43	0 42	19 18	1 30	12 16	3 17	18 14	0 36	19 38	1 37	22 8	0 37	8 34	1 44	31 12	7 59	14 33	14 9	19 53			n.a.
T 3	23 38	10 51	1 13	23 59	0 48	18 55	1 28	12 14	3 19	18 17	0 36	19 36	1 37	22 7	0 37	8 34	1 44	31 12	7 59	14 33	14 8	19 53			n.a.
F 4	23 35	14 36	0n 1	24 13	0 55	18 33	1 26	12 11	3 20	18 20	0 35	19 35	1 37	22 7	0 37	8 34	1 44	31 12	7 59	14 33	14 7	19 52			n.a.
S 5	23 32	17 35	1 17	24 26	1 1	18 10	1 24	12 10	3 22	18 23	0 35	19 33	1 37	22 6	0 36	8 34	1 44	31 12	7 59	14 33	14 6	19 52			n.a.
S 6	23 28	19 28	2 31	24 39	1 7	17 46	1 22	12 8	3 24	18 26	0 35	19 31	1 37	22 6	0 36	8 35	1 45	31 12	8 0	14 32	14 4	19 52			n.a.
M 7	23 23	20 1	3 34	24 49	1 13	17 22	1 20	12 6	3 26	18 29	0 35	19 29	1 37	22 5	0 36	8 35	1 45	31 12	8 0	14 30	14 3	19 51			n.a.
T 8	23 18	19 7	4 24	24 59	1 18	16 58	1 18	12 5	3 27	18 32	0 35	19 27	1 37	22 4	0 36	8 35	1 45	31 12	8 0	14 27	14 2	19 51			n.a.
W 9	23 13	16 51	4 54	25 7	1 23	16 33	1 16	12 4	3 29	18 35	0 35	19 25	1 37	22 4	0 36	8 35	1 45	31 11	8 0	14 24	14 1	19 50			n.a.
T 10	23 7	13 28	5 3	25 14	1 28	16 8	1 14	12 3	3 31	18 37	0 35	19 23	1 37	22 3	0 36	8 36	1 45	31 11	8 0	14 20	14 0	19 50			n.a.
F 11	23 1	9 20	4 52	25 19	1 33	15 42	1 11	12 3	3 32	18 40	0 35	19 21	1 37	22 3	0 36	8 36	1 45	31 11	8 0	14 17	13 59	19 50			n.a.
S 12	22 54	4 48	4 24	25 23	1 37	15 16	1 9	12 2	3 34	18 43	0 35	19 19	1 37	22 2	0 36	8 36	1 45	31 11	8 0	14 15	13 58	19 49			n.a.
S 13	22 47	0 10	3 40	25 26	1 41	14 49	1 6	12 2	3 36	18 46	0 35	19 17	1 37	22 1	0 36	8 37	1 45	31 11	8 0	14 13	13 57	19 49			n.a.
M14	22 39	4n19	2 46	25 26	1 45	14 23	1 3	12 3	3 38	18 48	0 35	19 15	1 37	22 1	0 36	8 37	1 45	31 11	8 0	14 12	13 56	19 49			n.a.
T 15	22 31	8 28	1 46	25 26	1 48	13 55	1 1	12 3	3 39	18 51	0 35	19 13	1 37	22 0	0 36	8 37	1 45	31 11	8 0	14 12	13 55	19 48			n.a.
W16	22 23	12 8	0 42	25 23	1 51	13 28	0 58	12 4	3 41	18 54	0 35	19 11	1 37	21 59	0 36	8 38	1 45	31 11	8 0	14 12	13 54	19 48			n.a.
T 17	22 14	15 12	0s22	25 19	1 54	13 0	0 55	12 5	3 43	18 56	0 35	19 9	1 37	21 59	0 36	8 38	1 45	31 11	8 0	14 12	13 53	19 47			n.a.
F 18	22 5	17 35	1 25	25 13	1 56	12 32	0 52	12 6	3 44	18 59	0 35	19 7	1 37	21 58	0 36	8 39	1 45	31 11	8 0	14 12	13 52	19 47			n.a.
S 19	21 55	19 11	2 23	25 5	1 58	12 4	0 49	12 8	3 46	19 1	0 35	19 5	1 37	21 57	0 36	8 39	1 45	31 10	8 0	14 11	13 51	19 47			n.a.
S 20	21 45	19 56	3 14	24 56	2 0	11 35	0 46	12 9	3 48	19 4	0 35	19 3	1 37	21 57	0 36	8 39	1 45	31 10	8 1	14 9	13 50	19 46			n.a.
M21	21 34	19 49	3 57	24 45	2 1	11 6	0 43	12 12	3 49	19 6	0 35	19 1	1 37	21 56	0 36	8 40	1 45	31 10	8 1	14 6	13 49	19 46			n.a.
T 22	21 23	18 49	4 30	24 31	2 2	10 37	0 40	12 14	3 51	19 9	0 35	18 59	1 37	21 56	0 37	8 40	1 45	31 10	8 1	14 2	13 48	19 46			n.a.
W23	21 12	17 0	4 52	24 16	2 2	10 7	0 36	12 16	3 52	19 11	0 35	18 57	1 37	21 55	0 37	8 41	1 45	31 10	8 1	13 57	13 46	19 45			n.a.
T 24	21 0	14 25	5 0	23 59	2 2	9 38	0 33	12 19	3 54	19 13	0 35	18 55	1 37	21 54	0 37	8 41	1 46	31 10	8 1	13 52	13 45	19 45			n.a.
F 25	20 48	11 11	4 54	23 40	2 1	9 8	0 30	12 22	3 55	19 15	0 35	18 53	1 37	21 54	0 37	8 42	1 46	31 10	8 1	13 48	13 44	19 44			n.a.
S 26	20 36	7 27	4 35	23 19	2 0	8 38	0 26	12 26	3 57	19 18	0 35	18 51	1 37	21 53	0 37	8 42	1 46	31 10	8 1	13 44	13 43	19 44			n.a.
S 27	20 23	3 21	4 3	22 56	1 58	8 8	0 23	12 30	3 58	19 20	0 35	18 48	1 37	21 52	0 37	8 42	1 46	31 10	8 1	13 40	13 42	19 43			n.a.
M28	20 10	0s58	3 17	22 31	1 56	7 37	0 19	12 34	4 0	19 22	0 35	18 46	1 37	21 52	0 37	8 43	1 46	31 10	8 2	13 38	13 41	19 43			n.a.
T 29	19 56	5 19	2 21	22 4	1 54	7 7	0 15	12 38	4 1	19 24	0 35	18 44	1 37	21 51	0 37	8 43	1 46	31 10	8 2	13 37	13 40	19 43			n.a.
W30	19 42	9 30	1 17	21 35	1 50	6 36	0 12	12 42	4 3	19 26	0 35	18 42	1 37	21 50	0 37	8 44	1 46	31 10	8 2	13 36	13 39	19 42			n.a.
T 31	19s28	13s18	0s 6	21s 3	1s47	6s 5	0s 8	12n47	4n 4	19s28	0n35	18s40	1s37	21s50	0s37	8n44	1n46	31s10	8s 2	13s36	13s38	19n42			n.a.

Julian Day Number = 1470861.5, Delta T = 05h31m06s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'52, Lahiri = -13°25'51 Julian Calendar 1 Jan. 686 BCE == Greg. Calendar 25 Dec. 687 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

FEBRUARY 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 13 26	5♒14'23	18♏19	6♒43	16♓13	6°R57	28♏22	13♒14	26♑ 8	12°R 5	12♑37	5°R41	5♏43	27♊57	n.a.	F 1
S 2	8 17 22	6°14'20	2♐29	8°39	17°23	6♍46	28°31	13°22	26°11	12♍ 4	12°39	5♏39	5°40	28° 4	n.a.	S 2
S 3	8 21 19	7°14'15	17° 0	10°36	18°33	6°35	28°39	13°29	26°15	12° 3	12°40	5°35	5°37	28°11	n.a.	S 3
M 4	8 25 16	8°14'08	1♑47	12°33	19°42	6°23	28°48	13°37	26°18	12° 2	12°42	5°29	5°34	28°18	n.a.	M 4
T 5	8 29 12	9°13'59	16°46	14°31	20°51	6°10	28°57	13°44	26°21	12° 0	12°44	5°19	5°31	28°24	n.a.	T 5
W 6	8 33 9	10°13'48	1♒47	16°29	22° 0	5°56	29° 5	13°52	26°25	11°59	12°45	5° 8	5°28	28°31	n.a.	W 6
T 7	8 37 5	11°13'35	16°40	18°27	23° 9	5°41	29°13	14° 0	26°28	11°58	12°47	4°56	5°24	28°38	n.a.	T 7
F 8	8 41 2	12°13'20	1♓18	20°25	24°18	5°26	29°21	14° 7	26°32	11°56	12°49	4°45	5°21	28°44	n.a.	F 8
S 9	8 44 58	13°13'03	15°31	22°23	25°27	5°10	29°29	14°15	26°35	11°55	12°50	4°36	5°18	28°51	n.a.	S 9
S 10	8 48 55	14°12'43	29°17	24°20	26°35	4°54	29°37	14°22	26°38	11°54	12°52	4°29	5°15	28°58	n.a.	S 10
M11	8 52 51	15°12'21	12♈35	26°16	27°44	4°36	29°45	14°30	26°42	11°52	12°53	4°26	5°12	29° 4	n.a.	M11
T 12	8 56 48	16°11'57	25°26	28°11	28°52	4°18	29°52	14°37	26°45	11°51	12°55	4°24	5° 8	29°11	n.a.	T 12
W13	9 0 45	17°11'30	7♉55	0♓ 4	29°59	4° 0	29°59	14°45	26°48	11°49	12°56	4°D24	5° 5	29°18	n.a.	W13
T 14	9 4 41	18°11'01	20° 5	1°55	1♈ 7	3°41	0♐ 7	14°52	26°51	11°48	12°58	4°R24	5° 2	29°25	n.a.	T 14
F 15	9 8 38	19°10'29	2♊ 4	3°43	2°15	3°22	0°14	15° 0	26°55	11°46	13° 0	4°23	4°59	29°31	n.a.	F 15
S 16	9 12 34	20° 9'55	13°55	5°28	3°22	3° 2	0°21	15° 7	26°58	11°45	13° 1	4°21	4°56	29°38	n.a.	S 16
S 17	9 16 31	21° 9'19	25°44	7°10	4°30	2°41	0°28	15°15	27° 1	11°43	13° 2	4°16	4°53	29°45	n.a.	S 17
M18	9 20 27	22° 8'40	7♋35	8°48	5°37	2°20	0°35	15°22	27° 4	11°42	13° 4	4° 8	4°49	29°51	n.a.	M18
T 19	9 24 24	23° 7'59	19°32	10°21	6°43	1°59	0°42	15°30	27° 8	11°40	13° 5	3°58	4°46	29°58	n.a.	T 19
W20	9 28 20	24° 7'15	1♌38	11°50	7°50	1°37	0°48	15°37	27°11	11°39	13° 7	3°46	4°43	0♋ 5	n.a.	W20
T 21	9 32 17	25° 6'29	13°54	13°13	8°56	1°15	0°54	15°45	27°14	11°37	13° 8	3°33	4°40	0°11	n.a.	T 21
F 22	9 36 13	26° 5'41	26°21	14°32	10° 2	0°53	1° 0	15°52	27°17	11°36	13°10	3°21	4°37	0°18	n.a.	F 22
S 23	9 40 10	27° 4'51	8♍59	15°44	11° 8	0°31	1° 6	16° 0	27°20	11°34	13°11	3°10	4°33	0°25	n.a.	S 23
S 24	9 44 7	28° 3'59	21°49	16°50	12°14	0° 8	1°12	16° 7	27°23	11°33	13°12	3° 1	4°30	0°32	n.a.	S 24
M25	9 48 3	29° 3'04	4♎50	17°50	13°19	29♌45	1°18	16°15	27°26	11°31	13°14	2°55	4°27	0°38	n.a.	M25
T 26	9 52 0	0♓ 2'08	18° 2	18°43	14°24	29°22	1°23	16°22	27°29	11°29	13°15	2°52	4°24	0°45	n.a.	T 26
W27	9 55 56	1° 1'09	1♏26	19°29	15°29	28°59	1°29	16°29	27°32	11°28	13°16	2°D51	4°21	0°52	n.a.	W27
T 28	9 59 53	2♓ 0'09	15♏ 2	20♓ 9	16♈34	28♌36	1♐34	16♒37	27♑35	11♍26	13♑18	2♏52	4♏18	0♋58	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s13	16s28	1n 6	20s30	1s42	5s34	0s 4	12n52	4n 5	19s31	0n35	18s38	1s37	21s49	0s37	8n45	1n46	31s10	8s 2	13s36	13s37	19n41		n.a.
S 2	18 59	18 43	2 17	19 55	1 37	5 3	0n 0	12 57	4 6	19 33	0 35	18 36	1 37	21 48	0 37	8 45	1 46	31 10	8 2	13 35	13 36	19 41		n.a.
S 3	18 43	19 49	3 20	19 18	1 32	4 32	0 4	13 3	4 8	19 35	0 35	18 33	1 37	21 48	0 37	8 46	1 46	31 10	8 2	13 34	13 35	19 40		n.a.
M 4	18 28	19 35	4 11	18 38	1 25	4 1	0 8	13 8	4 9	19 36	0 35	18 31	1 37	21 47	0 37	8 47	1 46	31 10	8 3	13 32	13 34	19 40		n.a.
T 5	18 12	18 0	4 45	17 57	1 19	3 29	0 12	13 14	4 10	19 38	0 35	18 29	1 37	21 47	0 37	8 47	1 46	31 10	8 3	13 29	13 33	19 40		n.a.
W 6	17 56	15 10	5 0	17 15	1 11	2 58	0 16	13 20	4 11	19 40	0 35	18 27	1 37	21 46	0 37	8 48	1 46	31 10	8 3	13 25	13 32	19 39		n.a.
T 7	17 39	11 23	4 54	16 30	1 3	2 27	0 20	13 27	4 12	19 42	0 35	18 25	1 37	21 45	0 37	8 48	1 46	31 10	8 3	13 21	13 30	19 39		n.a.
F 8	17 22	6 59	4 29	15 44	0 54	1 55	0 24	13 33	4 13	19 44	0 35	18 23	1 37	21 45	0 37	8 49	1 46	31 10	8 3	13 17	13 29	19 38		n.a.
S 9	17 5	2 17	3 48	14 57	0 45	1 24	0 29	13 40	4 13	19 46	0 35	18 20	1 38	21 44	0 37	8 49	1 46	31 10	8 3	13 14	13 28	19 38		n.a.
S 10	16 48	2n22	2 54	14 9	0 35	0 52	0 33	13 47	4 14	19 47	0 35	18 18	1 38	21 43	0 37	8 50	1 46	31 10	8 3	13 12	13 27	19 37		n.a.
M11	16 30	6 46	1 53	13 19	0 24	0 21	0 37	13 54	4 15	19 49	0 35	18 16	1 38	21 43	0 37	8 50	1 46	31 10	8 4	13 10	13 26	19 37		n.a.
T 12	16 12	10 42	0 47	12 29	0 13	0n11	0 42	14 1	4 15	19 51	0 35	18 14	1 38	21 42	0 37	8 51	1 46	31 10	8 4	13 10	13 25	19 36		n.a.
W13	15 54	14 3	0s19	11 38	0 2	0 42	0 46	14 8	4 16	19 52	0 35	18 12	1 38	21 41	0 37	8 52	1 46	31 10	8 4	13 10	13 24	19 36		n.a.
T 14	15 36	16 42	1 22	10 47	0n10	1 13	0 50	14 15	4 16	19 54	0 35	18 9	1 38	21 41	0 37	8 52	1 46	31 10	8 4	13 10	13 23	19 35		n.a.
F 15	15 17	18 34	2 21	9 56	0 22	1 45	0 55	14 23	4 16	19 55	0 35	18 7	1 38	21 40	0 37	8 53	1 46	31 10	8 4	13 10	13 22	19 35		n.a.
S 16	14 58	19 36	3 13	9 6	0 35	2 16	0 59	14 30	4 16	19 57	0 35	18 5	1 38	21 40	0 37	8 53	1 46	31 10	8 5	13 9	13 21	19 34		n.a.
S 17	14 39	19 46	3 57	8 16	0 48	2 47	1 4	14 38	4 16	19 58	0 35	18 3	1 38	21 39	0 37	8 54	1 47	31 10	8 5	13 7	13 20	19 34		n.a.
M18	14 19	19 3	4 30	7 27	1 1	3 18	1 8	14 46	4 16	20 0	0 35	18 1	1 38	21 38	0 37	8 55	1 47	31 10	8 5	13 4	13 19	19 33		n.a.
T 19	14 0	17 30	4 52	6 39	1 14	3 49	1 13	14 54	4 16	20 1	0 35	17 59	1 38	21 38	0 37	8 55	1 47	31 10	8 5	13 1	13 18	19 33		n.a.
W20	13 40	15 11	5 1	5 53	1 27	4 20	1 17	15 1	4 16	20 2	0 35	17 56	1 38	21 37	0 37	8 56	1 47	31 10	8 5	12 57	13 16	19 32		n.a.
T 21	13 20	12 9	4 57	5 9	1 40	4 50	1 22	15 9	4 16	20 4	0 35	17 54	1 38	21 36	0 37	8 57	1 47	31 10	8 6	12 53	13 15	19 32		n.a.
F 22	13 0	8 33	4 38	4 27	1 52	5 21	1 26	15 17	4 15	20 5	0 35	17 52	1 38	21 36	0 37	8 57	1 47	31 10	8 6	12 48	13 14	19 31		n.a.
S 23	12 39	4 31	4 6	3 48	2 5	5 51	1 31	15 24	4 15	20 6	0 35	17 50	1 39	21 35	0 37	8 58	1 47	31 10	8 6	12 45	13 13	19 31		n.a.
S 24	12 19	0 14	3 20	3 11	2 16	6 22	1 35	15 32	4 14	20 8	0 35	17 48	1 39	21 35	0 37	8 58	1 47	31 10	8 6	12 42	13 12	19 30		n.a.
M25	11 58	4s 8	2 23	2 37	2 28	6 52	1 40	15 39	4 13	20 9	0 35	17 45	1 39	21 34	0 37	8 59	1 47	31 10	8 6	12 39	13 11	19 30		n.a.
T 26	11 37	8 22	1 18	2 6	2 38	7 21	1 45	15 47	4 12	20 10	0 35	17 43	1 39	21 34	0 37	9 0	1 47	31 10	8 7	12 38	13 10	19 29		n.a.
W27	11 16	12 15	0 8	1 39	2 48	7 51	1 49	15 54	4 11	20 11	0 35	17 41	1 39	21 33	0 37	9 0	1 47	31 10	8 7	12 38	13 9	19 29		n.a.
T 28	10s55	15s33	1n 5	1s15	2n57	8n21	1n54	16n 2	4n10	20s12	0n34	17s39	1s39	21s32	0s37	9n 1	1n47	31s10	8s 7	12s38	13s 8	19n28		n.a.

Julian Day Number = 1470892.5, Delta T = 05h31m04s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'48, Lahiri = -13°25'47 Julian Calendar 1 Feb. 686 BCE == Greg. Calendar 25 Jan. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

MARCH 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 3 49	2♓59'07	28♏51	20♓41	17♈38	28°R13	1♐39	16♒44	27♑38	11°R25	13♑19	2°R52	4♏14	1♋ 5	n.a.	F 1
S 2	10 7 46	3°58'03	12♐54	21° 7	18°42	27♌50	1°43	16°52	27°41	11♍23	13°20	2♏52	4°11	1°12	n.a.	S 2
S 3	10 11 42	4°56'57	27° 9	21°25	19°46	27°27	1°48	16°59	27°44	11°21	13°21	2°50	4° 8	1°18	n.a.	S 3
M 4	10 15 39	5°55'50	11♑36	21°37	20°49	27° 4	1°53	17° 6	27°47	11°20	13°23	2°46	4° 5	1°25	n.a.	M 4
T 5	10 19 36	6°54'40	26°10	21°R41	21°52	26°42	1°57	17°13	27°50	11°18	13°24	2°39	4° 2	1°32	n.a.	T 5
W 6	10 23 32	7°53'29	10♒45	21°40	22°55	26°20	2° 1	17°21	27°53	11°16	13°25	2°31	3°59	1°39	n.a.	W 6
T 7	10 27 29	8°52'16	25°15	21°31	23°58	25°58	2° 5	17°28	27°56	11°15	13°26	2°22	3°55	1°45	n.a.	T 7
F 8	10 31 25	9°51'00	9♓34	21°17	25° 0	25°36	2° 9	17°35	27°58	11°13	13°27	2°14	3°52	1°52	n.a.	F 8
S 9	10 35 22	10°49'42	23°34	20°56	26° 2	25°15	2°13	17°42	28° 1	11°11	13°28	2° 7	3°49	1°59	n.a.	S 9
S 10	10 39 18	11°48'23	7♈12	20°31	27° 4	24°54	2°16	17°49	28° 4	11°10	13°30	2° 2	3°46	2° 5	n.a.	S 10
M11	10 43 15	12°47'01	20°27	20° 1	28° 5	24°33	2°19	17°56	28° 7	11° 8	13°31	2° 0	3°43	2°12	n.a.	M11
T 12	10 47 11	13°45'37	3♉18	19°27	29° 6	24°13	2°22	18° 4	28° 9	11° 7	13°32	1°D59	3°39	2°19	n.a.	T 12
W13	10 51 8	14°44'10	15°49	18°49	0♉ 6	23°54	2°25	18°11	28°12	11° 5	13°33	2° 0	3°36	2°25	n.a.	W13
T 14	10 55 4	15°42'42	28° 2	18° 9	1° 6	23°35	2°28	18°18	28°15	11° 3	13°34	2° 1	3°33	2°32	n.a.	T 14
F 15	10 59 1	16°41'11	10♊ 3	17°28	2° 6	23°17	2°31	18°25	28°17	11° 2	13°35	2° 2	3°30	2°39	n.a.	F 15
S 16	11 2 58	17°39'38	21°57	16°45	3° 5	22°59	2°33	18°32	28°20	11° 0	13°36	2°R 2	3°27	2°46	n.a.	S 16
S 17	11 6 54	18°38'02	3♋48	16° 2	4° 4	22°42	2°35	18°38	28°22	10°58	13°37	2° 1	3°24	2°52	n.a.	S 17
M18	11 10 51	19°36'25	15°42	15°19	5° 3	22°26	2°37	18°45	28°25	10°57	13°37	1°58	3°20	2°59	n.a.	M18
T 19	11 14 47	20°34'45	27°42	14°38	6° 1	22°11	2°39	18°52	28°27	10°55	13°38	1°53	3°17	3° 6	n.a.	T 19
W20	11 18 44	21°33'03	9♌53	13°59	6°58	21°56	2°41	18°59	28°29	10°53	13°39	1°47	3°14	3°12	n.a.	W20
T 21	11 22 40	22°31'19	22°17	13°22	7°55	21°41	2°42	19° 6	28°32	10°52	13°40	1°40	3°11	3°19	n.a.	T 21
F 22	11 26 37	23°29'32	4♍56	12°49	8°52	21°28	2°43	19°12	28°34	10°50	13°41	1°33	3° 8	3°26	n.a.	F 22
S 23	11 30 33	24°27'44	17°51	12°19	9°48	21°15	2°44	19°19	28°36	10°49	13°42	1°27	3° 4	3°32	n.a.	S 23
S 24	11 34 30	25°25'54	1♎ 0	11°54	10°43	21° 3	2°45	19°26	28°39	10°47	13°42	1°22	3° 1	3°39	n.a.	S 24
M25	11 38 26	26°24'02	14°24	11°33	11°38	20°52	2°46	19°32	28°41	10°46	13°43	1°20	2°58	3°46	n.a.	M25
T 26	11 42 23	27°22'08	27°59	11°16	12°32	20°42	2°46	19°39	28°43	10°44	13°44	1°D18	2°55	3°53	n.a.	T 26
W27	11 46 20	28°20'13	11♏46	11° 4	13°26	20°32	2°47	19°45	28°45	10°42	13°45	1°19	2°52	3°59	n.a.	W27
T 28	11 50 16	29°18'16	25°41	10°57	14°19	20°23	2°R47	19°52	28°47	10°41	13°45	1°20	2°49	4° 6	n.a.	T 28
F 29	11 54 13	0♈16'17	9♐44	10°D55	15°12	20°15	2°47	19°58	28°49	10°39	13°46	1°21	2°45	4°13	n.a.	F 29
S 30	11 58 9	1°14'17	23°52	10°57	16° 4	20° 8	2°47	20° 4	28°51	10°38	13°47	1°22	2°42	4°19	n.a.	S 30
S 31	12 2 6	2♈12'16	8♑ 4	11♓ 5	16♉55	20♌ 2	2♐46	20♒11	28♑53	10♍36	13♑47	1°R23	2♏39	4♋26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s33	18s 0	2n14	0s55	3n 5	8n50	1n58	16n 9	4n 9	20s13	0n34	17s37	1s39	21s32	0s37	9n 2	1n47	31s11	8s 7	12s38	13s 7	19n28		n.a.
S 2	10 11	19 24	3 17	0 38	3 12	9 19	2 3	16 16	4 8	20 14	0 34	17 35	1 39	21 31	0 37	9 2	1 47	31 11	8 7	12 38	13 6	19 27		n.a.
S 3	9 50	19 36	4 9	0 25	3 18	9 48	2 7	16 22	4 6	20 15	0 34	17 32	1 39	21 31	0 37	9 3	1 47	31 11	8 8	12 38	13 4	19 27		n.a.
M 4	9 28	18 32	4 45	0 16	3 23	10 16	2 12	16 29	4 5	20 16	0 34	17 30	1 39	21 30	0 37	9 4	1 47	31 11	8 8	12 36	13 3	19 26		n.a.
T 5	9 6	16 15	5 3	0 11	3 26	10 45	2 17	16 35	4 3	20 17	0 34	17 28	1 39	21 30	0 37	9 4	1 47	31 11	8 8	12 34	13 2	19 25		n.a.
W 6	8 44	12 56	5 2	0 10	3 28	11 13	2 21	16 42	4 2	20 18	0 34	17 26	1 40	21 29	0 37	9 5	1 47	31 11	8 8	12 31	13 1	19 25		n.a.
T 7	8 21	8 52	4 42	0 13	3 29	11 40	2 25	16 48	4 0	20 18	0 34	17 24	1 40	21 28	0 37	9 5	1 47	31 11	8 9	12 28	13 0	19 24		n.a.
F 8	7 59	4 20	4 4	0 20	3 28	12 8	2 30	16 53	3 58	20 19	0 34	17 22	1 40	21 28	0 37	9 6	1 47	31 11	8 9	12 25	12 59	19 24		n.a.
S 9	7 36	0n20	3 11	0 30	3 25	12 35	2 34	16 59	3 56	20 20	0 34	17 20	1 40	21 27	0 37	9 7	1 47	31 11	8 9	12 23	12 58	19 23		n.a.
S 10	7 14	4 52	2 9	0 44	3 21	13 2	2 39	17 4	3 54	20 21	0 34	17 17	1 40	21 27	0 37	9 7	1 47	31 12	8 9	12 21	12 57	19 23		n.a.
M11	6 51	9 3	1 2	1 1	3 15	13 28	2 43	17 9	3 52	20 21	0 34	17 15	1 40	21 26	0 37	9 8	1 47	31 12	8 10	12 20	12 56	19 22		n.a.
T 12	6 28	12 41	0s 7	1 21	3 8	13 54	2 47	17 14	3 50	20 22	0 34	17 13	1 40	21 26	0 37	9 9	1 47	31 12	8 10	12 20	12 55	19 21		n.a.
W13	6 6	15 37	1 14	1 44	2 59	14 20	2 52	17 19	3 48	20 23	0 34	17 11	1 40	21 25	0 37	9 9	1 47	31 12	8 10	12 20	12 54	19 21		n.a.
T 14	5 43	17 47	2 16	2 9	2 49	14 46	2 56	17 23	3 45	20 23	0 34	17 9	1 41	21 25	0 37	9 10	1 47	31 12	8 10	12 21	12 52	19 20		n.a.
F 15	5 20	19 7	3 11	2 36	2 38	15 11	3 0	17 27	3 43	20 24	0 34	17 7	1 41	21 24	0 37	9 11	1 47	31 12	8 11	12 21	12 51	19 20		n.a.
S 16	4 57	19 35	3 57	3 5	2 25	15 36	3 4	17 30	3 40	20 24	0 34	17 5	1 41	21 24	0 37	9 11	1 47	31 12	8 11	12 21	12 50	19 19		n.a.
S 17	4 33	19 10	4 33	3 34	2 12	16 0	3 8	17 34	3 38	20 25	0 34	17 3	1 41	21 23	0 37	9 12	1 47	31 12	8 11	12 20	12 49	19 19		n.a.
M18	4 10	17 55	4 57	4 4	1 57	16 24	3 12	17 37	3 35	20 25	0 34	17 1	1 41	21 23	0 37	9 12	1 47	31 13	8 11	12 19	12 48	19 18		n.a.
T 19	3 47	15 52	5 9	4 34	1 42	16 47	3 16	17 39	3 33	20 25	0 34	16 59	1 41	21 22	0 37	9 13	1 47	31 13	8 12	12 18	12 47	19 17		n.a.
W20	3 24	13 6	5 6	5 4	1 26	17 10	3 20	17 42	3 30	20 26	0 34	16 57	1 41	21 22	0 37	9 14	1 47	31 13	8 12	12 15	12 46	19 17		n.a.
T 21	3 0	9 43	4 50	5 33	1 10	17 33	3 24	17 44	3 27	20 26	0 34	16 55	1 42	21 21	0 38	9 14	1 47	31 13	8 12	12 13	12 45	19 16		n.a.
F 22	2 37	5 49	4 19	6 1	0 53	17 55	3 28	17 46	3 25	20 26	0 34	16 53	1 42	21 21	0 38	9 15	1 47	31 13	8 12	12 11	12 44	19 16		n.a.
S 23	2 14	1 35	3 34	6 28	0 37	18 17	3 31	17 48	3 22	20 27	0 34	16 51	1 42	21 20	0 38	9 16	1 47	31 14	8 13	12 9	12 43	19 15		n.a.
S 24	1 50	2s48	2 38	6 53	0 21	18 38	3 35	17 49	3 19	20 27	0 34	16 49	1 42	21 20	0 38	9 16	1 47	31 14	8 13	12 7	12 42	19 14		n.a.
M25	1 27	7 9	1 31	7 16	0 4	18 59	3 38	17 50	3 16	20 27	0 34	16 47	1 42	21 20	0 38	9 17	1 47	31 14	8 13	12 6	12 40	19 14		n.a.
T 26	1 4	11 11	0 18	7 37	0s11	19 20	3 42	17 51	3 13	20 27	0 34	16 45	1 42	21 19	0 38	9 17	1 47	31 14	8 14	12 6	12 39	19 13		n.a.
W27	0 40	14 41	0n57	7 55	0 27	19 40	3 45	17 51	3 11	20 27	0 34	16 43	1 42	21 19	0 38	9 18	1 47	31 14	8 14	12 6	12 38	19 12		n.a.
T 28	0 17	17 21	2 9	8 12	0 41	19 59	3 48	17 51	3 8	20 27	0 34	16 41	1 43	21 18	0 38	9 19	1 47	31 14	8 14	12 6	12 37	19 12		n.a.
F 29	0n 7	19 1	3 15	8 26	0 55	20 18	3 51	17 51	3 5	20 27	0 34	16 39	1 43	21 18	0 38	9 19	1 47	31 15	8 14	12 7	12 36	19 11		n.a.
S 30	0 30	19 29	4 9	8 37	1 9	20 36	3 54	17 51	3 2	20 27	0 34	16 37	1 43	21 18	0 38	9 20	1 47	31 15	8 15	12 7	12 35	19 11		n.a.
S 31	0n53	18s44	4n48	8s46	1s22	20n54	3n57	17n50	2n59	20s27	0n34	16s35	1s43	21s17	0s38	9n20	1n47	31s15	8s15	12s 7	12s34	19n10		n.a.

Julian Day Number = 1470920.5, Delta T = 05h31m03s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'44, Lahiri = -13°25'43 Julian Calendar 1 March 686 BCE == Greg. Calendar 22 Feb. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

APRIL 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 6 2	3♈10'13	22♉18	11♓17	17♉45	19°R56	2°R46	20♒17	28♉55	10°R35	13♉48	1°R21	2♏36	4♋33	n.a.	M 1
T 2	12 9 59	4° 8'09	6♒31	11°34	18°35	19♌51	2♐45	20°23	28°57	10♍33	13°48	1♏19	2°33	4°40	n.a.	T 2
W 3	12 13 55	5° 6'04	20°40	11°55	19°24	19°47	2°44	20°29	28°59	10°32	13°49	1°16	2°30	4°46	n.a.	W 3
T 4	12 17 52	6° 3'56	4♓42	12°20	20°12	19°44	2°43	20°35	29° 1	10°30	13°49	1°12	2°26	4°53	n.a.	T 4
F 5	12 21 49	7° 1'48	18°33	12°50	21° 0	19°41	2°41	20°41	29° 3	10°29	13°50	1° 8	2°23	5° 0	n.a.	F 5
S 6	12 25 45	7°59'38	2♈ 9	13°24	21°46	19°40	2°40	20°47	29° 4	10°28	13°50	1° 6	2°20	5° 6	n.a.	S 6
S 7	12 29 42	8°57'26	15°29	14° 2	22°32	19°39	2°38	20°53	29° 6	10°26	13°51	1° 4	2°17	5°13	n.a.	S 7
M 8	12 33 38	9°55'13	28°30	14°44	23°17	19°D39	2°36	20°59	29° 8	10°25	13°51	1°D 3	2°14	5°20	n.a.	M 8
T 9	12 37 35	10°52'58	11♉14	15°29	24° 1	19°39	2°34	21° 5	29° 9	10°23	13°51	1° 3	2°10	5°26	n.a.	T 9
W10	12 41 31	11°50'41	23°41	16°18	24°44	19°41	2°32	21°10	29°11	10°22	13°52	1° 4	2° 7	5°33	n.a.	W10
T 11	12 45 28	12°48'23	5♊53	17°10	25°26	19°43	2°29	21°16	29°12	10°21	13°52	1° 6	2° 4	5°40	n.a.	T 11
F 12	12 49 24	13°46'04	17°55	18° 6	26° 7	19°46	2°27	21°22	29°14	10°19	13°52	1° 7	2° 1	5°47	n.a.	F 12
S 13	12 53 21	14°43'42	29°50	19° 4	26°47	19°50	2°24	21°27	29°15	10°18	13°53	1° 8	1°58	5°53	n.a.	S 13
S 14	12 57 18	15°41'19	11♋42	20° 6	27°25	19°54	2°21	21°33	29°17	10°17	13°53	1°R 9	1°55	6° 0	n.a.	S 14
M15	13 1 14	16°38'54	23°37	21°11	28° 3	19°59	2°18	21°38	29°18	10°16	13°53	1° 9	1°51	6° 7	n.a.	M15
T 16	13 5 11	17°36'28	5♌38	22°19	28°39	20° 5	2°14	21°43	29°19	10°14	13°53	1° 8	1°48	6°13	n.a.	T 16
W17	13 9 7	18°34'00	17°51	23°29	29°14	20°12	2°11	21°49	29°20	10°13	13°53	1° 7	1°45	6°20	n.a.	W17
T 18	13 13 4	19°31'30	0♍19	24°42	29°48	20°19	2° 7	21°54	29°22	10°12	13°53	1° 5	1°42	6°27	n.a.	T 18
F 19	13 17 0	20°28'59	13° 5	25°58	0♊20	20°27	2° 3	21°59	29°23	10°11	13°54	1° 4	1°39	6°34	n.a.	F 19
S 20	13 20 57	21°26'27	26°10	27°17	0°51	20°36	1°59	22° 4	29°24	10°10	13°54	1° 3	1°35	6°40	n.a.	S 20
S 21	13 24 53	22°23'53	9♎36	28°38	1°20	20°45	1°55	22° 9	29°25	10° 8	13°54	1° 2	1°32	6°47	n.a.	S 21
M22	13 28 50	23°21'18	23°20	0♈ 2	1°48	20°55	1°51	22°14	29°26	10° 7	13°R54	1° 1	1°29	6°54	n.a.	M22
T 23	13 32 46	24°18'42	7♏21	1°28	2°14	21° 5	1°46	22°19	29°27	10° 6	13°54	1°D 1	1°26	7° 0	n.a.	T 23
W24	13 36 43	25°16'05	21°34	2°57	2°39	21°16	1°41	22°23	29°28	10° 5	13°54	1° 2	1°23	7° 7	n.a.	W24
T 25	13 40 40	26°13'27	5♐56	4°28	3° 2	21°28	1°37	22°28	29°29	10° 4	13°54	1° 2	1°20	7°14	n.a.	T 25
F 26	13 44 36	27°10'48	20°22	6° 2	3°23	21°41	1°32	22°33	29°30	10° 3	13°53	1° 3	1°16	7°21	n.a.	F 26
S 27	13 48 33	28° 8'08	4♑47	7°38	3°43	21°53	1°26	22°37	29°30	10° 2	13°53	1° 3	1°13	7°27	n.a.	S 27
S 28	13 52 29	29° 5'28	19° 7	9°17	4° 0	22° 7	1°21	22°42	29°31	10° 1	13°53	1° 3	1°10	7°34	n.a.	S 28
M29	13 56 26	0♉ 2'47	3♒19	10°58	4°16	22°21	1°16	22°46	29°32	10° 0	13°53	1°R 3	1° 7	7°41	n.a.	M29
T 30	14 0 22	1♉ 0'05	17♒21	12♈41	4♊29	22♌36	1♐10	22♒50	29♉32	9♍59	13♉53	1°D 3	1♏ 4	7♋47	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n17	16s49	5n 9	8s53	1s34	21n12	4n 0	17n49	2n56	20s27	0n34	16s34	1s43	21s17	0s38	9n21	1n47	31s15	8s15	12s 7	12s33	19n 9		n.a.
T 2	1 40	13 52	5 12	8 56	1 45	21 29	4 3	17 48	2 53	20 27	0 34	16 32	1 43	21 16	0 38	9 21	1 47	31 16	8 16	12 6	12 32	19 9		n.a.
W 3	2 3	10 8	4 56	8 58	1 55	21 45	4 5	17 47	2 50	20 27	0 34	16 30	1 44	21 16	0 38	9 22	1 47	31 16	8 16	12 5	12 30	19 8		n.a.
T 4	2 27	5 52	4 22	8 57	2 5	22 1	4 7	17 45	2 47	20 27	0 34	16 28	1 44	21 16	0 38	9 22	1 47	31 16	8 16	12 3	12 29	19 7		n.a.
F 5	2 50	1 20	3 33	8 53	2 14	22 16	4 10	17 43	2 45	20 26	0 34	16 26	1 44	21 15	0 38	9 23	1 47	31 16	8 16	12 2	12 28	19 7		n.a.
S 6	3 13	3n11	2 32	8 48	2 22	22 30	4 12	17 41	2 42	20 26	0 34	16 25	1 44	21 15	0 38	9 24	1 47	31 16	8 17	12 1	12 27	19 6		n.a.
S 7	3 36	7 29	1 25	8 39	2 29	22 44	4 14	17 38	2 39	20 26	0 34	16 23	1 44	21 15	0 38	9 24	1 47	31 17	8 17	12 0	12 26	19 5		n.a.
M 8	3 59	11 19	0 14	8 29	2 36	22 58	4 15	17 36	2 36	20 25	0 34	16 21	1 45	21 14	0 38	9 25	1 47	31 17	8 17	12 0	12 25	19 5		n.a.
T 9	4 22	14 32	0s56	8 17	2 42	23 11	4 17	17 33	2 33	20 25	0 34	16 19	1 45	21 14	0 38	9 25	1 47	31 17	8 17	12 0	12 24	19 4		n.a.
W10	4 45	17 0	2 2	8 2	2 46	23 23	4 18	17 30	2 30	20 25	0 34	16 18	1 45	21 14	0 38	9 26	1 47	31 17	8 18	12 1	12 23	19 3		n.a.
T 11	5 8	18 38	3 1	7 45	2 51	23 35	4 20	17 26	2 27	20 24	0 33	16 16	1 45	21 14	0 38	9 26	1 47	31 18	8 18	12 1	12 22	19 3		n.a.
F 12	5 30	19 23	3 51	7 26	2 54	23 46	4 21	17 23	2 25	20 24	0 33	16 14	1 45	21 13	0 38	9 27	1 47	31 18	8 18	12 2	12 20	19 2		n.a.
S 13	5 53	19 16	4 30	7 5	2 57	23 57	4 21	17 19	2 22	20 23	0 33	16 13	1 45	21 13	0 38	9 27	1 47	31 18	8 19	12 2	12 19	19 1		n.a.
S 14	6 16	18 18	4 58	6 42	2 59	24 6	4 22	17 15	2 19	20 23	0 33	16 11	1 46	21 13	0 38	9 27	1 47	31 18	8 19	12 2	12 18	19 1		n.a.
M15	6 38	16 32	5 13	6 18	3 0	24 16	4 23	17 10	2 16	20 22	0 33	16 10	1 46	21 13	0 38	9 28	1 46	31 19	8 19	12 2	12 17	19 0		n.a.
T 16	7 0	14 2	5 15	5 51	3 0	24 24	4 23	17 6	2 14	20 21	0 33	16 8	1 46	21 12	0 38	9 28	1 46	31 19	8 19	12 2	12 16	18 59		n.a.
W17	7 23	10 54	5 3	5 22	3 0	24 32	4 23	17 1	2 11	20 21	0 33	16 6	1 46	21 12	0 38	9 29	1 46	31 19	8 20	12 2	12 15	18 59		n.a.
T 18	7 45	7 13	4 36	4 52	2 59	24 40	4 22	16 56	2 8	20 20	0 33	16 5	1 47	21 12	0 38	9 29	1 46	31 19	8 20	12 1	12 14	18 58		n.a.
F 19	8 7	3 7	3 55	4 20	2 58	24 46	4 22	16 51	2 5	20 19	0 33	16 3	1 47	21 12	0 38	9 30	1 46	31 20	8 20	12 0	12 13	18 57		n.a.
S 20	8 28	1s13	3 1	3 47	2 56	24 52	4 21	16 46	2 3	20 19	0 33	16 2	1 47	21 11	0 39	9 30	1 46	31 20	8 21	12 0	12 12	18 57		n.a.
S 21	8 50	5 38	1 56	3 11	2 53	24 57	4 20	16 40	2 0	20 18	0 33	16 0	1 47	21 11	0 39	9 30	1 46	31 20	8 21	12 0	12 10	18 56		n.a.
M22	9 12	9 51	0 43	2 34	2 50	25 2	4 19	16 35	1 58	20 17	0 33	15 59	1 47	21 11	0 39	9 31	1 46	31 21	8 21	12 0	12 9	18 55		n.a.
T 23	9 33	13 36	0n35	1 56	2 46	25 6	4 17	16 29	1 55	20 16	0 33	15 58	1 48	21 11	0 39	9 31	1 46	31 21	8 21	12 0	12 8	18 54		n.a.
W24	9 55	16 37	1 52	1 16	2 41	25 9	4 15	16 23	1 53	20 15	0 33	15 56	1 48	21 11	0 39	9 32	1 46	31 21	8 22	12 0	12 7	18 54		n.a.
T 25	10 16	18 37	3 2	0 35	2 36	25 12	4 13	16 17	1 50	20 14	0 33	15 55	1 48	21 11	0 39	9 32	1 46	31 21	8 22	12 0	12 6	18 53		n.a.
F 26	10 37	19 25	4 1	0n 8	2 30	25 13	4 10	16 10	1 48	20 14	0 33	15 54	1 48	21 10	0 39	9 32	1 46	31 22	8 22	12 0	12 5	18 52		n.a.
S 27	10 58	18 57	4 45	0 53	2 24	25 14	4 8	16 4	1 45	20 13	0 32	15 52	1 48	21 10	0 39	9 33	1 46	31 22	8 23	12 0	12 4	18 52		n.a.
S 28	11 18	17 16	5 10	1 38	2 17	25 14	4 4	15 57	1 43	20 12	0 32	15 51	1 49	21 10	0 39	9 33	1 46	31 22	8 23	12 0	12 3	18 51		n.a.
M29	11 39	14 33	5 17	2 25	2 9	25 14	4 1	15 50	1 40	20 10	0 32	15 50	1 49	21 10	0 39	9 33	1 46	31 23	8 23	12 0	12 1	18 50		n.a.
T 30	11n59	11s 1	5n 4	3n13	2s 2	25n13	3n57	15n43	1n38	20s 9	0n32	15s49	1s49	21s10	0s39	9n34	1n46	31s23	8s23	12s 0	12s 0	18n49		n.a.

Julian Day Number = 1470951.5, Delta T = 05h31m01s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'40, Lahiri = -13°25'39 Julian Calendar 1 Apr. 686 BCE == Greg. Calendar 25 March 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

MAY 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 4 19	1♉57'22	1♓11	14♈27	4♊41	22♌51	1°R 5	22♒55	29♑33	9°R59	13°R53	1♏ 3	1♏ 1	7♋54	n.a.	W 1
T 2	14 8 15	2°54'39	14°49	16°16	4°50	23° 6	0♐59	22°59	29°33	9♍58	13♑52	1° 3	0°57	8° 1	n.a.	T 2
F 3	14 12 12	3°51'56	28°13	18° 6	4°58	23°23	0°53	23° 3	29°34	9°57	13°52	1° 3	0°54	8° 8	n.a.	F 3
S 4	14 16 9	4°49'11	11♈24	20° 0	5° 3	23°39	0°47	23° 7	29°34	9°56	13°52	1° 4	0°51	8°14	n.a.	S 4
S 5	14 20 5	5°46'26	24°21	21°55	5° 6	23°57	0°40	23°11	29°35	9°55	13°52	1° 4	0°48	8°21	n.a.	S 5
M 6	14 24 2	6°43'41	7♉ 4	23°52	5°R 7	24°14	0°34	23°15	29°35	9°55	13°51	1°R 4	0°45	8°28	n.a.	M 6
T 7	14 27 58	7°40'54	19°34	25°52	5° 5	24°33	0°28	23°18	29°35	9°54	13°51	1° 4	0°41	8°34	n.a.	T 7
W 8	14 31 55	8°38'07	1♊52	27°54	5° 1	24°51	0°21	23°22	29°36	9°53	13°51	1° 3	0°38	8°41	n.a.	W 8
T 9	14 35 51	9°35'19	13°59	29°57	4°54	25°10	0°15	23°26	29°36	9°53	13°50	1° 2	0°35	8°48	n.a.	T 9
F 10	14 39 48	10°32'31	25°58	2♉ 3	4°46	25°30	0° 8	23°29	29°36	9°52	13°50	1° 1	0°32	8°55	n.a.	F 10
S 11	14 43 44	11°29'42	7♋52	4°10	4°34	25°50	0° 1	23°32	29°36	9°51	13°49	0°59	0°29	9° 1	n.a.	S 11
S 12	14 47 41	12°26'51	19°44	6°18	4°21	26°11	29♏54	23°36	29°R36	9°51	13°49	0°58	0°26	9° 8	n.a.	S 12
M13	14 51 38	13°24'01	1♌38	8°27	4° 5	26°32	29°47	23°39	29°36	9°50	13°48	0°57	0°22	9°15	n.a.	M13
T 14	14 55 34	14°21'09	13°39	10°38	3°46	26°53	29°40	23°42	29°36	9°50	13°48	0°D57	0°19	9°21	n.a.	T 14
W15	14 59 31	15°18'16	25°50	12°49	3°26	27°15	29°33	23°45	29°36	9°49	13°47	0°57	0°16	9°28	n.a.	W15
T 16	15 3 27	16°15'23	8♍17	15° 0	3° 3	27°37	29°26	23°48	29°36	9°49	13°47	0°58	0°13	9°35	n.a.	T 16
F 17	15 7 24	17°12'30	21° 3	17°11	2°38	28° 0	29°18	23°51	29°36	9°48	13°46	0°59	0°10	9°42	n.a.	F 17
S 18	15 11 20	18° 9'35	4♎12	19°22	2°11	28°23	29°11	23°53	29°35	9°48	13°45	1° 0	0° 7	9°48	n.a.	S 18
S 19	15 15 17	19° 6'40	17°45	21°33	1°42	28°46	29° 4	23°56	29°35	9°48	13°45	1° 1	0° 3	9°55	n.a.	S 19
M20	15 19 14	20° 3'45	1♏42	23°43	1°11	29°10	28°56	23°59	29°35	9°47	13°44	1°R 2	0° 0	10° 2	n.a.	M20
T 21	15 23 10	21° 0'49	16° 2	25°52	0°39	29°34	28°49	24° 1	29°34	9°47	13°43	1° 1	29♎57	10° 8	n.a.	T 21
W22	15 27 7	21°57'53	0♐39	28° 0	0° 5	29°59	28°41	24° 3	29°34	9°47	13°43	1° 0	29°54	10°15	n.a.	W22
T 23	15 31 3	22°54'58	15°27	0♊ 7	29♉30	0♍23	28°33	24° 6	29°33	9°47	13°42	0°57	29°51	10°22	n.a.	T 23
F 24	15 35 0	23°52'02	0♑19	2°12	28°55	0°49	28°26	24° 8	29°33	9°46	13°41	0°55	29°47	10°29	n.a.	F 24
S 25	15 38 56	24°49'06	15° 6	4°16	28°18	1°14	28°18	24°10	29°32	9°46	13°40	0°52	29°44	10°35	n.a.	S 25
S 26	15 42 53	25°46'10	29°42	6°18	27°41	1°40	28°11	24°12	29°32	9°46	13°40	0°49	29°41	10°42	n.a.	S 26
M27	15 46 49	26°43'15	14♒ 3	8°18	27° 3	2° 6	28° 3	24°14	29°31	9°46	13°39	0°48	29°38	10°49	n.a.	M27
T 28	15 50 46	27°40'19	28° 4	10°16	26°26	2°33	27°55	24°16	29°30	9°46	13°38	0°D47	29°35	10°55	n.a.	T 28
W29	15 54 43	28°37'24	11♓46	12°12	25°49	3° 0	27°48	24°17	29°29	9°46	13°37	0°48	29°32	11° 2	n.a.	W29
T 30	15 58 39	29°34'30	25° 9	14° 7	25°12	3°27	27°40	24°19	29°29	9°D46	13°36	0°49	29°28	11° 9	n.a.	T 30
F 31	16 2 36	0♊31'35	8♈14	15♊59	24♉35	3♍54	27♏32	24♒20	29♑28	9♍46	13♑35	0♏50	29♎25	11♋16	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	12n19	6s56	4n34	4n 2	1s53	25n10	3n52	15n36	1n35	20s 8	0n32	15s47	1s49	21s10	0s39	9n34	1n46	31s23	8s24	12s 0	11s59	18n49			n.a.
T 2	12 39	2 33	3 49	4 53	1 45	25 7	3 47	15 28	1 33	20 7	0 32	15 46	1 50	21 10	0 39	9 34	1 46	31 24	8 24	12 0	11 58	18 48			n.a.
F 3	12 59	1n55	2 52	5 44	1 35	25 4	3 42	15 21	1 31	20 6	0 32	15 45	1 50	21 10	0 39	9 34	1 46	31 24	8 24	12 0	11 57	18 47			n.a.
S 4	13 19	6 12	1 47	6 36	1 26	24 59	3 36	15 13	1 28	20 5	0 32	15 44	1 50	21 10	0 39	9 35	1 46	31 24	8 25	12 0	11 56	18 46			n.a.
S 5	13 38	10 9	0 37	7 29	1 16	24 54	3 30	15 5	1 26	20 4	0 32	15 43	1 50	21 10	0 39	9 35	1 46	31 24	8 25	12 0	11 55	18 46			n.a.
M 6	13 57	13 32	0s33	8 22	1 6	24 47	3 24	14 57	1 24	20 2	0 32	15 42	1 51	21 10	0 39	9 35	1 46	31 25	8 25	12 0	11 54	18 45			n.a.
T 7	14 16	16 15	1 41	9 16	0 55	24 40	3 17	14 48	1 22	20 1	0 32	15 41	1 51	21 10	0 39	9 35	1 46	31 25	8 25	12 0	11 52	18 44			n.a.
W 8	14 35	18 10	2 43	10 11	0 45	24 32	3 9	14 40	1 20	20 0	0 31	15 40	1 51	21 10	0 39	9 36	1 46	31 25	8 26	12 0	11 51	18 43			n.a.
T 9	14 53	19 14	3 36	11 5	0 34	24 23	3 1	14 31	1 17	19 59	0 31	15 39	1 51	21 10	0 39	9 36	1 46	31 26	8 26	12 0	11 50	18 43			n.a.
F 10	15 12	19 24	4 19	11 59	0 23	24 13	2 52	14 23	1 15	19 57	0 31	15 38	1 52	21 10	0 39	9 36	1 46	31 26	8 26	11 59	11 49	18 42			n.a.
S 11	15 30	18 42	4 51	12 54	0 12	24 2	2 43	14 14	1 13	19 56	0 31	15 37	1 52	21 10	0 39	9 36	1 45	31 26	8 26	11 59	11 48	18 41			n.a.
S 12	15 47	17 11	5 10	13 47	0 1	23 50	2 34	14 5	1 11	19 55	0 31	15 36	1 52	21 10	0 39	9 36	1 45	31 27	8 27	11 58	11 47	18 40			n.a.
M13	16 5	14 56	5 16	14 40	0n 9	23 37	2 24	13 56	1 9	19 53	0 31	15 35	1 52	21 10	0 39	9 37	1 45	31 27	8 27	11 58	11 46	18 40			n.a.
T 14	16 22	12 2	5 9	15 32	0 20	23 23	2 14	13 46	1 7	19 52	0 31	15 34	1 53	21 10	0 39	9 37	1 45	31 27	8 27	11 58	11 45	18 39			n.a.
W15	16 39	8 35	4 47	16 23	0 30	23 9	2 3	13 37	1 5	19 50	0 31	15 34	1 53	21 10	0 39	9 37	1 45	31 28	8 28	11 58	11 43	18 38			n.a.
T 16	16 56	4 42	4 12	17 12	0 40	22 53	1 52	13 27	1 3	19 49	0 31	15 33	1 53	21 10	0 39	9 37	1 45	31 28	8 28	11 58	11 42	18 37			n.a.
F 17	17 12	0 29	3 23	17 59	0 49	22 37	1 40	13 17	1 1	19 47	0 30	15 32	1 53	21 10	0 40	9 37	1 45	31 28	8 28	11 59	11 41	18 36			n.a.
S 18	17 29	3s52	2 23	18 45	0 58	22 19	1 28	13 7	0 59	19 46	0 30	15 32	1 54	21 10	0 40	9 37	1 45	31 29	8 28	11 59	11 40	18 36			n.a.
S 19	17 45	8 11	1 13	19 29	1 7	22 1	1 15	12 57	0 57	19 44	0 30	15 31	1 54	21 10	0 40	9 37	1 45	31 29	8 29	12 0	11 39	18 35			n.a.
M20	18 0	12 10	0n 4	20 10	1 15	21 42	1 2	12 47	0 55	19 43	0 30	15 30	1 54	21 10	0 40	9 37	1 45	31 29	8 29	12 0	11 38	18 34			n.a.
T 21	18 16	15 34	1 22	20 50	1 22	21 22	0 49	12 37	0 53	19 41	0 30	15 30	1 54	21 10	0 40	9 37	1 45	31 30	8 29	12 0	11 37	18 33			n.a.
W22	18 31	18 2	2 36	21 26	1 29	21 2	0 36	12 26	0 51	19 40	0 30	15 29	1 55	21 10	0 40	9 38	1 45	31 30	8 29	11 59	11 36	18 32			n.a.
T 23	18 46	19 19	3 41	22 1	1 35	20 41	0 22	12 16	0 49	19 38	0 30	15 29	1 55	21 11	0 40	9 38	1 45	31 30	8 30	11 58	11 34	18 32			n.a.
F 24	19 0	19 16	4 31	22 32	1 41	20 20	0 8	12 5	0 48	19 37	0 30	15 28	1 55	21 11	0 40	9 38	1 45	31 30	8 30	11 57	11 33	18 31			n.a.
S 25	19 14	17 54	5 2	23 1	1 45	19 58	0s 6	11 54	0 46	19 35	0 29	15 28	1 55	21 11	0 40	9 38	1 45	31 31	8 30	11 56	11 32	18 30			n.a.
S 26	19 28	15 23	5 14	23 27	1 49	19 36	0 20	11 43	0 44	19 33	0 29	15 27	1 56	21 11	0 40	9 38	1 45	31 31	8 30	11 55	11 31	18 29			n.a.
M27	19 42	11 58	5 6	23 51	1 53	19 14	0 34	11 32	0 42	19 32	0 29	15 27	1 56	21 11	0 40	9 38	1 45	31 31	8 31	11 55	11 30	18 28			n.a.
T 28	19 55	7 57	4 39	24 12	1 55	18 51	0 48	11 20	0 40	19 30	0 29	15 27	1 56	21 11	0 40	9 38	1 45	31 32	8 31	11 54	11 29	18 28			n.a.
W29	20 8	3 36	3 57	24 31	1 57	18 29	1 2	11 9	0 39	19 29	0 29	15 26	1 56	21 12	0 40	9 38	1 45	31 32	8 31	11 55	11 28	18 27			n.a.
T 30	20 21	0n51	3 3	24 47	1 59	18 7	1 15	10 57	0 37	19 27	0 29	15 26	1 57	21 12	0 40	9 38	1 45	31 32	8 31	11 55	11 26	18 26			n.a.
F 31	20n33	5n 9	2n 1	25n 0	1n59	17n45	1s29	10n46	0n35	19s25	0n28	15s26	1s57	21s12	0s40	9n37	1n45	31s33	8s31	11s56	11s25	18n25			n.a.

Julian Day Number = 1470981.5, Delta T = 05h31m00s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'36, Lahiri = -13°25'35 Julian Calendar 1 May 686 BCE == Greg. Calendar 24 Apr. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

JUNE 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 6 32	1♊28'41	21♈ 4	17♊49	24°R 0	4♍22	27°R25	24♒22	29°R27	9♍46	13°R34	0♏52	29♎22	11♋22	n.a.	S 1
S 2	16 10 29	2°25'48	3♉41	19°38	23♉26	4°50	27♏17	24°23	29♑26	9°46	13♑34	0°R52	29°19	11°29	n.a.	S 2
M 3	16 14 25	3°22'55	16° 6	21°24	22°53	5°18	27° 9	24°24	29°25	9°46	13°33	0°51	29°16	11°36	n.a.	M 3
T 4	16 18 22	4°20'02	28°22	23° 8	22°21	5°47	27° 2	24°25	29°24	9°46	13°32	0°48	29°12	11°42	n.a.	T 4
W 5	16 22 18	5°17'09	10♊29	24°51	21°51	6°16	26°54	24°26	29°23	9°47	13°31	0°44	29° 9	11°49	n.a.	W 5
T 6	16 26 15	6°14'17	22°29	26°31	21°23	6°45	26°47	24°27	29°22	9°47	13°30	0°38	29° 6	11°56	n.a.	T 6
F 7	16 30 12	7°11'25	4♋24	28° 9	20°57	7°15	26°39	24°28	29°21	9°47	13°29	0°32	29° 3	12° 3	n.a.	F 7
S 8	16 34 8	8° 8'33	16°16	29°46	20°33	7°44	26°32	24°28	29°19	9°47	13°28	0°25	29° 0	12° 9	n.a.	S 8
S 9	16 38 5	9° 5'41	28° 8	1♋20	20°11	8°14	26°24	24°29	29°18	9°48	13°27	0°19	28°57	12°16	n.a.	S 9
M10	16 42 1	10° 2'50	10♌ 1	2°52	19°51	8°45	26°17	24°29	29°17	9°48	13°26	0°14	28°53	12°23	n.a.	M10
T 11	16 45 58	10°59'59	22° 0	4°22	19°34	9°15	26°10	24°30	29°16	9°48	13°24	0°10	28°50	12°29	n.a.	T 11
W12	16 49 54	11°57'08	4♍ 9	5°50	19°18	9°46	26° 3	24°30	29°14	9°49	13°23	0° 8	28°47	12°36	n.a.	W12
T 13	16 53 51	12°54'17	16°33	7°16	19° 5	10°17	25°56	24°30	29°13	9°49	13°22	0°D 8	28°44	12°43	n.a.	T 13
F 14	16 57 48	13°51'27	29°15	8°40	18°55	10°48	25°49	24°R30	29°11	9°50	13°21	0° 9	28°41	12°50	n.a.	F 14
S 15	17 1 44	14°48'37	12♎20	10° 2	18°47	11°20	25°42	24°30	29°10	9°50	13°20	0°10	28°38	12°56	n.a.	S 15
S 16	17 5 41	15°45'47	25°52	11°21	18°41	11°52	25°35	24°30	29° 8	9°51	13°19	0°R11	28°34	13° 3	n.a.	S 16
M17	17 9 37	16°42'58	9♏51	12°38	18°38	12°23	25°28	24°30	29° 7	9°51	13°18	0°11	28°31	13°10	n.a.	M17
T 18	17 13 34	17°40'09	24°18	13°53	18°D36	12°56	25°22	24°29	29° 5	9°52	13°17	0° 9	28°28	13°16	n.a.	T 18
W19	17 17 30	18°37'21	9♐ 7	15° 6	18°38	13°28	25°15	24°29	29° 4	9°53	13°15	0° 5	28°25	13°23	n.a.	W19
T 20	17 21 27	19°34'34	24°13	16°16	18°41	14° 1	25° 9	24°28	29° 2	9°53	13°14	29♎59	28°22	13°30	n.a.	T 20
F 21	17 25 23	20°31'47	9♑25	17°24	18°47	14°34	25° 2	24°28	29° 0	9°54	13°13	29°52	28°18	13°37	n.a.	F 21
S 22	17 29 20	21°29'02	24°34	18°29	18°55	15° 7	24°56	24°27	28°59	9°55	13°12	29°44	28°15	13°43	n.a.	S 22
S 23	17 33 17	22°26'17	9♒29	19°31	19° 5	15°40	24°50	24°26	28°57	9°55	13°10	29°37	28°12	13°50	n.a.	S 23
M24	17 37 13	23°23'34	24° 3	20°30	19°17	16°13	24°44	24°25	28°55	9°56	13° 9	29°32	28° 9	13°57	n.a.	M24
T 25	17 41 10	24°20'51	8♓12	21°27	19°32	16°47	24°38	24°24	28°53	9°57	13° 8	29°29	28° 6	14° 4	n.a.	T 25
W26	17 45 6	25°18'10	21°55	22°21	19°48	17°21	24°33	24°23	28°51	9°58	13° 7	29°D28	28° 3	14°10	n.a.	W26
T 27	17 49 3	26°15'30	5♈13	23°11	20° 6	17°55	24°27	24°21	28°50	9°59	13° 5	29°28	27°59	14°17	n.a.	T 27
F 28	17 52 59	27°12'52	18° 9	23°58	20°26	18°29	24°22	24°20	28°48	10° 0	13° 4	29°29	27°56	14°24	n.a.	F 28
S 29	17 56 56	28°10'14	0♉47	24°42	20°48	19° 4	24°17	24°19	28°46	10° 1	13° 3	29°R29	27°53	14°30	n.a.	S 29
S 30	18 0 52	29♊ 7'38	13♉10	25♋22	21♉11	19♍38	24♏11	24♒17	28♑44	10♍ 2	13♑ 2	29♎28	27♎50	14♋37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n45	9n 9	0n53	25n11	1n59	17n23	1s42	10n34	0n34	19s24	0n28	15s25	1s57	21s12	0s40	9n37	1n44	31s33	8s32	11s56	11s24	18n24		n.a.
S 2	20 56	12 41	0s15	25 20	1 58	17 2	1 55	10 22	0 32	19 22	0 28	15 25	1 57	21 13	0 40	9 37	1 44	31 33	8 32	11 56	11 23	18 23		n.a.
M 3	21 8	15 35	1 22	25 26	1 57	16 42	2 8	10 10	0 30	19 21	0 28	15 25	1 58	21 13	0 40	9 37	1 44	31 34	8 32	11 56	11 22	18 23		n.a.
T 4	21 18	17 44	2 24	25 31	1 55	16 22	2 20	9 58	0 29	19 19	0 28	15 25	1 58	21 13	0 40	9 37	1 44	31 34	8 32	11 55	11 21	18 22		n.a.
W 5	21 29	19 3	3 19	25 33	1 52	16 3	2 32	9 45	0 27	19 17	0 28	15 25	1 58	21 13	0 40	9 37	1 44	31 34	8 33	11 53	11 20	18 21		n.a.
T 6	21 39	19 30	4 4	25 33	1 49	15 45	2 43	9 33	0 25	19 16	0 27	15 25	1 59	21 14	0 40	9 37	1 44	31 35	8 33	11 51	11 18	18 20		n.a.
F 7	21 49	19 4	4 39	25 31	1 46	15 27	2 54	9 20	0 24	19 14	0 27	15 25	1 59	21 14	0 40	9 37	1 44	31 35	8 33	11 49	11 17	18 19		n.a.
S 8	21 58	17 48	5 1	25 28	1 41	15 11	3 4	9 8	0 22	19 13	0 27	15 25	1 59	21 14	0 40	9 37	1 44	31 35	8 33	11 47	11 16	18 18		n.a.
S 9	22 7	15 46	5 10	25 23	1 37	14 56	3 14	8 55	0 21	19 11	0 27	15 25	1 59	21 14	0 40	9 36	1 44	31 36	8 33	11 45	11 15	18 17		n.a.
M10	22 16	13 5	5 5	25 16	1 31	14 41	3 23	8 42	0 19	19 10	0 27	15 25	2 0	21 15	0 40	9 36	1 44	31 36	8 34	11 43	11 14	18 17		n.a.
T 11	22 24	9 50	4 48	25 8	1 25	14 28	3 32	8 29	0 18	19 8	0 27	15 25	2 0	21 15	0 40	9 36	1 44	31 36	8 34	11 41	11 13	18 16		n.a.
W12	22 32	6 8	4 17	24 58	1 19	14 16	3 40	8 16	0 16	19 6	0 26	15 25	2 0	21 15	0 40	9 36	1 44	31 37	8 34	11 41	11 12	18 15		n.a.
T 13	22 40	2 6	3 34	24 47	1 12	14 5	3 48	8 3	0 15	19 5	0 26	15 26	2 0	21 16	0 40	9 36	1 44	31 37	8 34	11 41	11 10	18 14		n.a.
F 14	22 47	2s 8	2 39	24 34	1 5	13 55	3 56	7 49	0 13	19 3	0 26	15 26	2 1	21 16	0 40	9 35	1 44	31 37	8 34	11 41	11 9	18 13		n.a.
S 15	22 54	6 24	1 35	24 21	0 57	13 46	4 2	7 36	0 12	19 2	0 26	15 26	2 1	21 16	0 41	9 35	1 44	31 37	8 34	11 41	11 8	18 12		n.a.
S 16	23 0	10 29	0 23	24 6	0 49	13 39	4 9	7 22	0 10	19 1	0 26	15 26	2 1	21 17	0 41	9 35	1 44	31 38	8 35	11 42	11 7	18 11		n.a.
M17	23 6	14 9	0n52	23 50	0 41	13 32	4 14	7 9	0 9	18 59	0 26	15 27	2 2	21 17	0 41	9 35	1 44	31 38	8 35	11 42	11 6	18 11		n.a.
T 18	23 12	17 4	2 6	23 34	0 32	13 27	4 20	6 55	0 8	18 58	0 25	15 27	2 2	21 17	0 41	9 34	1 44	31 38	8 35	11 41	11 5	18 10		n.a.
W19	23 17	18 56	3 14	23 17	0 22	13 23	4 24	6 41	0 6	18 56	0 25	15 28	2 2	21 18	0 41	9 34	1 44	31 39	8 35	11 39	11 4	18 9		n.a.
T 20	23 22	19 30	4 9	22 59	0 13	13 19	4 29	6 27	0 5	18 55	0 25	15 28	2 2	21 18	0 41	9 34	1 43	31 39	8 35	11 37	11 2	18 8		n.a.
F 21	23 26	18 39	4 47	22 40	0 3	13 17	4 33	6 13	0 3	18 54	0 25	15 28	2 3	21 18	0 41	9 33	1 43	31 39	8 35	11 35	11 1	18 7		n.a.
S 22	23 30	16 30	5 5	22 21	0s 8	13 16	4 36	5 59	0 2	18 52	0 25	15 29	2 3	21 19	0 41	9 33	1 43	31 39	8 36	11 32	11 0	18 6		n.a.
S 23	23 33	13 17	5 2	22 2	0 19	13 16	4 39	5 44	0 1	18 51	0 24	15 30	2 3	21 19	0 41	9 33	1 43	31 40	8 36	11 30	10 59	18 5		n.a.
M24	23 36	9 18	4 39	21 42	0 30	13 16	4 42	5 30	0s 1	18 50	0 24	15 30	2 3	21 20	0 41	9 32	1 43	31 40	8 36	11 28	10 58	18 4		n.a.
T 25	23 39	4 55	4 0	21 22	0 41	13 18	4 44	5 16	0 2	18 48	0 24	15 31	2 4	21 20	0 41	9 32	1 43	31 40	8 36	11 27	10 57	18 3		n.a.
W26	23 41	0 23	3 7	21 2	0 53	13 20	4 46	5 1	0 3	18 47	0 24	15 31	2 4	21 20	0 41	9 32	1 43	31 41	8 36	11 26	10 56	18 2		n.a.
T 27	23 43	4n 2	2 6	20 42	1 5	13 24	4 48	4 46	0 5	18 46	0 24	15 32	2 4	21 21	0 41	9 31	1 43	31 41	8 36	11 26	10 54	18 2		n.a.
F 28	23 45	8 9	1 0	20 22	1 17	13 28	4 49	4 32	0 6	18 45	0 23	15 33	2 4	21 21	0 41	9 31	1 43	31 41	8 36	11 27	10 53	18 1		n.a.
S 29	23 46	11 48	0s 7	20 2	1 29	13 32	4 50	4 17	0 7	18 44	0 23	15 34	2 5	21 22	0 41	9 30	1 43	31 41	8 37	11 27	10 52	18 0		n.a.
S 30	23n46	14n52	1s13	19n42	1s41	13n38	4s51	4n 2	0s 8	18s43	0n23	15s34	2s 5	21s22	0s41	9n30	1n43	31s42	8s37	11s26	10s51	17n59		n.a.

Julian Day Number = 1471012.5, Delta T = 05h30m58s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'31, Lahiri = -13°25'31 Julian Calendar 1 June 686 BCE == Greg. Calendar 25 May 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

JULY 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 4 49	0♋ 5'04	25♉22	25♋58	21♉36	20♍13	24°R 6	24°R15	28°R42	10♍ 3	13°R 0	29°R25	27♎47	14♋44	n.a.	M 1
T 2	18 8 46	1° 2'30	7♊26	26°30	22° 3	20°48	24♏ 2	24♒14	28♑40	10° 4	12♑59	29♎20	27°44	14°51	n.a.	T 2
W 3	18 12 42	1°59'58	19°25	26°58	22°31	21°23	23°57	24°12	28°38	10° 5	12°58	29°11	27°40	14°57	n.a.	W 3
T 4	18 16 39	2°57'28	1♋19	27°22	23° 1	21°59	23°53	24°10	28°36	10° 6	12°56	29° 1	27°37	15° 4	n.a.	T 4
F 5	18 20 35	3°54'58	13°11	27°41	23°32	22°34	23°48	24° 8	28°34	10° 7	12°55	28°49	27°34	15°11	n.a.	F 5
S 6	18 24 32	4°52'30	25° 3	27°55	24° 5	23°10	23°44	24° 6	28°31	10° 8	12°54	28°37	27°31	15°17	n.a.	S 6
S 7	18 28 28	5°50'03	6♌55	28° 5	24°39	23°46	23°40	24° 3	28°29	10° 9	12°52	28°25	27°28	15°24	n.a.	S 7
M 8	18 32 25	6°47'37	18°51	28°R 9	25°14	24°22	23°36	24° 1	28°27	10°10	12°51	28°15	27°24	15°31	n.a.	M 8
T 9	18 36 21	7°45'12	0♍51	28° 7	25°50	24°59	23°33	23°59	28°25	10°12	12°50	28° 7	27°21	15°38	n.a.	T 9
W10	18 40 18	8°42'48	13° 1	28° 1	26°28	25°35	23°29	23°56	28°23	10°13	12°48	28° 2	27°18	15°44	n.a.	W10
T 11	18 44 15	9°40'25	25°23	27°49	27° 7	26°12	23°26	23°53	28°21	10°14	12°47	27°59	27°15	15°51	n.a.	T 11
F 12	18 48 11	10°38'04	8♎ 1	27°31	27°47	26°48	23°23	23°51	28°18	10°15	12°46	27°D58	27°12	15°58	n.a.	F 12
S 13	18 52 8	11°35'43	21° 1	27° 7	28°27	27°25	23°20	23°48	28°16	10°17	12°44	27°R58	27° 9	16° 5	n.a.	S 13
S 14	18 56 4	12°33'24	4♏25	26°39	29° 9	28° 3	23°17	23°45	28°14	10°18	12°43	27°58	27° 5	16°11	n.a.	S 14
M15	19 0 1	13°31'06	18°18	26° 5	29°52	28°40	23°14	23°42	28°12	10°20	12°42	27°57	27° 2	16°18	n.a.	M15
T 16	19 3 57	14°28'50	2♐39	25°26	0♊36	29°17	23°12	23°39	28° 9	10°21	12°40	27°54	26°59	16°25	n.a.	T 16
W17	19 7 54	15°26'34	17°27	24°43	1°21	29°55	23°10	23°36	28° 7	10°22	12°39	27°47	26°56	16°31	n.a.	W17
T 18	19 11 50	16°24'20	2♑35	23°56	2° 7	0♎33	23° 8	23°33	28° 5	10°24	12°38	27°39	26°53	16°38	n.a.	T 18
F 19	19 15 47	17°22'08	17°54	23° 6	2°53	1°10	23° 6	23°30	28° 2	10°25	12°36	27°29	26°50	16°45	n.a.	F 19
S 20	19 19 44	18°19'57	3♒14	22°14	3°41	1°48	23° 4	23°26	28° 0	10°27	12°35	27°18	26°46	16°52	n.a.	S 20
S 21	19 23 40	19°17'48	18°21	21°20	4°29	2°26	23° 3	23°23	27°58	10°28	12°34	27° 8	26°43	16°58	n.a.	S 21
M22	19 27 37	20°15'41	3♓ 8	20°26	5°18	3° 5	23° 1	23°19	27°55	10°30	12°32	27° 0	26°40	17° 5	n.a.	M22
T 23	19 31 33	21°13'36	17°28	19°33	6° 8	3°43	23° 0	23°16	27°53	10°32	12°31	26°55	26°37	17°12	n.a.	T 23
W24	19 35 30	22°11'32	1♈18	18°42	6°58	4°22	22°59	23°12	27°50	10°33	12°30	26°52	26°34	17°18	n.a.	W24
T 25	19 39 26	23° 9'31	14°39	17°54	7°49	5° 0	22°58	23° 9	27°48	10°35	12°28	26°51	26°30	17°25	n.a.	T 25
F 26	19 43 23	24° 7'31	27°35	17°10	8°41	5°39	22°58	23° 5	27°46	10°36	12°27	26°50	26°27	17°32	n.a.	F 26
S 27	19 47 19	25° 5'34	10♉ 9	16°31	9°33	6°18	22°58	23° 1	27°43	10°38	12°26	26°50	26°24	17°39	n.a.	S 27
S 28	19 51 16	26° 3'39	22°27	15°58	10°26	6°57	22°D57	22°57	27°41	10°40	12°25	26°49	26°21	17°45	n.a.	S 28
M29	19 55 13	27° 1'45	4♊33	15°32	11°20	7°37	22°57	22°53	27°39	10°42	12°23	26°45	26°18	17°52	n.a.	M29
T 30	19 59 9	27°59'54	16°30	15°14	12°14	8°16	22°58	22°49	27°36	10°43	12°22	26°38	26°15	17°59	n.a.	T 30
W31	20 3 6	28♋58'05	28♊23	15♋ 4	13♊ 9	8♎56	22♏58	22♒45	27♑34	10♍45	12♑21	26♎28	26♎11	18♋ 6	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n47	17n13	2s14	19n23	1s54	13n44	4s51	3n47	0s10	18s42	0n23	15s35	2s 5	21s23	0s41	9n30	1n43	31s42	8s37	11s25	10s50	17n58			n.a.
T 2	23 46	18 46	3 8	19 5	2 7	13 51	4 51	3 32	0 11	18 41	0 23	15 36	2 5	21 23	0 41	9 29	1 43	31 42	8 37	11 23	10 49	17 57			n.a.
W 3	23 46	19 28	3 53	18 47	2 19	13 58	4 51	3 17	0 12	18 40	0 22	15 37	2 6	21 24	0 41	9 29	1 43	31 42	8 37	11 20	10 47	17 56			n.a.
T 4	23 44	19 18	4 28	18 30	2 32	14 6	4 51	3 1	0 13	18 39	0 22	15 38	2 6	21 24	0 41	9 28	1 43	31 43	8 37	11 17	10 46	17 55			n.a.
F 5	23 43	18 17	4 51	18 14	2 44	14 14	4 50	2 46	0 14	18 38	0 22	15 39	2 6	21 24	0 41	9 28	1 43	31 43	8 37	11 12	10 45	17 54			n.a.
S 6	23 41	16 29	5 2	17 59	2 57	14 23	4 49	2 31	0 16	18 37	0 22	15 40	2 6	21 25	0 41	9 27	1 43	31 43	8 37	11 8	10 44	17 53			n.a.
S 7	23 39	13 59	4 59	17 45	3 9	14 32	4 48	2 15	0 17	18 36	0 22	15 41	2 7	21 25	0 41	9 27	1 43	31 43	8 37	11 4	10 43	17 52			n.a.
M 8	23 36	10 54	4 43	17 33	3 21	14 42	4 47	2 0	0 18	18 35	0 21	15 42	2 7	21 26	0 41	9 26	1 43	31 44	8 38	11 0	10 42	17 51			n.a.
T 9	23 33	7 21	4 15	17 22	3 32	14 52	4 45	1 44	0 19	18 35	0 21	15 43	2 7	21 26	0 41	9 26	1 43	31 44	8 38	10 57	10 41	17 50			n.a.
W10	23 29	3 28	3 35	17 12	3 43	15 3	4 43	1 28	0 20	18 34	0 21	15 44	2 7	21 27	0 41	9 25	1 43	31 44	8 38	10 55	10 39	17 50			n.a.
T 11	23 25	0s38	2 44	17 5	3 53	15 13	4 41	1 13	0 21	18 33	0 21	15 45	2 8	21 27	0 41	9 25	1 43	31 44	8 38	10 54	10 38	17 49			n.a.
F 12	23 21	4 49	1 44	16 59	4 3	15 24	4 39	0 57	0 22	18 33	0 21	15 46	2 8	21 28	0 41	9 24	1 42	31 44	8 38	10 54	10 37	17 48			n.a.
S 13	23 16	8 53	0 37	16 55	4 11	15 36	4 37	0 41	0 23	18 32	0 21	15 47	2 8	21 28	0 41	9 24	1 42	31 45	8 38	10 54	10 36	17 47			n.a.
S 14	23 10	12 38	0n34	16 53	4 19	15 47	4 35	0 25	0 24	18 32	0 20	15 48	2 8	21 29	0 41	9 23	1 42	31 45	8 38	10 54	10 35	17 46			n.a.
M15	23 5	15 50	1 45	16 54	4 25	15 59	4 32	0 9	0 26	18 31	0 20	15 49	2 9	21 29	0 41	9 23	1 42	31 45	8 38	10 54	10 34	17 45			n.a.
T 16	22 59	18 10	2 53	16 56	4 30	16 10	4 29	0s 7	0 27	18 31	0 20	15 51	2 9	21 30	0 41	9 22	1 42	31 45	8 38	10 52	10 32	17 44			n.a.
W17	22 52	19 21	3 50	17 0	4 33	16 22	4 26	0 23	0 28	18 30	0 20	15 52	2 9	21 30	0 41	9 21	1 42	31 45	8 38	10 50	10 31	17 43			n.a.
T 18	22 45	19 12	4 33	17 7	4 34	16 34	4 23	0 39	0 29	18 30	0 20	15 53	2 9	21 31	0 41	9 21	1 42	31 46	8 38	10 47	10 30	17 42			n.a.
F 19	22 38	17 39	4 57	17 16	4 34	16 46	4 20	0 56	0 30	18 30	0 19	15 55	2 9	21 31	0 41	9 20	1 42	31 46	8 38	10 43	10 29	17 41			n.a.
S 20	22 30	14 51	4 59	17 26	4 32	16 59	4 17	1 12	0 31	18 29	0 19	15 56	2 10	21 32	0 41	9 20	1 42	31 46	8 38	10 39	10 28	17 40			n.a.
S 21	22 22	11 5	4 41	17 39	4 28	17 11	4 14	1 28	0 32	18 29	0 19	15 57	2 10	21 32	0 41	9 19	1 42	31 46	8 38	10 36	10 27	17 39			n.a.
M22	22 13	6 43	4 4	17 53	4 22	17 23	4 10	1 44	0 33	18 29	0 19	15 59	2 10	21 33	0 41	9 18	1 42	31 46	8 38	10 33	10 25	17 38			n.a.
T 23	22 4	2 5	3 12	18 8	4 14	17 35	4 6	2 1	0 34	18 29	0 19	16 0	2 10	21 33	0 41	9 18	1 42	31 46	8 38	10 31	10 24	17 37			n.a.
W24	21 55	2n31	2 11	18 25	4 5	17 47	4 3	2 17	0 35	18 29	0 18	16 1	2 10	21 33	0 41	9 17	1 42	31 47	8 38	10 30	10 23	17 36			n.a.
T 25	21 45	6 50	1 4	18 42	3 53	17 59	3 59	2 34	0 36	18 29	0 18	16 3	2 11	21 34	0 41	9 16	1 42	31 47	8 38	10 29	10 22	17 35			n.a.
F 26	21 35	10 42	0s 4	19 1	3 40	18 11	3 55	2 50	0 37	18 29	0 18	16 4	2 11	21 34	0 41	9 16	1 42	31 47	8 38	10 29	10 21	17 34			n.a.
S 27	21 25	13 58	1 10	19 20	3 26	18 23	3 51	3 7	0 38	18 29	0 18	16 6	2 11	21 35	0 41	9 15	1 42	31 47	8 39	10 29	10 20	17 33			n.a.
S 28	21 14	16 32	2 11	19 39	3 11	18 35	3 47	3 23	0 38	18 29	0 18	16 7	2 11	21 35	0 41	9 14	1 42	31 47	8 39	10 29	10 18	17 32			n.a.
M29	21 3	18 19	3 5	19 58	2 54	18 47	3 43	3 40	0 39	18 29	0 17	16 9	2 11	21 36	0 41	9 14	1 42	31 47	8 39	10 27	10 17	17 31			n.a.
T 30	20 51	19 16	3 50	20 18	2 37	18 58	3 39	3 56	0 40	18 30	0 17	16 10	2 11	21 36	0 41	9 13	1 42	31 48	8 39	10 25	10 16	17 30			n.a.
W31	20n39	19n21	4s25	20n36	2s19	19n 9	3s34	4s13	0s41	18s30	0n17	16s12	2s12	21s37	0s41	9n12	1n42	31s48	8s39	10s21	10s15	17n29			n.a.

Julian Day Number = 1471042.5, Delta T = 05h30m56s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'27, Lahiri = -13°25'27 Julian Calendar 1 July 686 BCE == Greg. Calendar 24 June 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

AUGUST 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 7 2	29♋56'18	10♋15	15°D 1	14♊ 5	9♎35	22♏59	22°R41	27°R31	10♍47	12°R19	26°R16	26♎ 8	18♋12	n.a.	T 1
F 2	20 10 59	0♌54'33	22° 7	15♋ 8	15° 1	10°15	22°59	22♒37	27♑29	10°49	12♑18	26♎ 2	26° 5	18°19	n.a.	F 2
S 3	20 14 55	1°52'50	4♌ 0	15°23	15°57	10°55	23° 0	22°33	27°27	10°50	12°17	25°48	26° 2	18°26	n.a.	S 3
S 4	20 18 52	2°51'08	15°57	15°47	16°54	11°35	23° 1	22°28	27°24	10°52	12°16	25°34	25°59	18°32	n.a.	S 4
M 5	20 22 48	3°49'29	27°59	16°20	17°51	12°15	23° 3	22°24	27°22	10°54	12°14	25°22	25°56	18°39	n.a.	M 5
T 6	20 26 45	4°47'51	10♍ 6	17° 0	18°49	12°55	23° 4	22°20	27°19	10°56	12°13	25°13	25°52	18°46	n.a.	T 6
W 7	20 30 42	5°46'15	22°22	17°49	19°48	13°36	23° 6	22°15	27°17	10°58	12°12	25° 6	25°49	18°53	n.a.	W 7
T 8	20 34 38	6°44'41	4♎48	18°46	20°46	14°16	23° 8	22°11	27°15	11° 0	12°11	25° 3	25°46	18°59	n.a.	T 8
F 9	20 38 35	7°43'09	17°29	19°50	21°46	14°57	23°10	22° 6	27°12	11° 2	12°10	25° 1	25°43	19° 6	n.a.	F 9
S 10	20 42 31	8°41'38	0♏27	21° 0	22°45	15°38	23°12	22° 2	27°10	11° 4	12° 8	25°D 1	25°40	19°13	n.a.	S 10
S 11	20 46 28	9°40'10	13°46	22°17	23°45	16°19	23°15	21°57	27° 8	11° 6	12° 7	25°R 1	25°36	19°19	n.a.	S 11
M12	20 50 24	10°38'43	27°29	23°40	24°45	17° 0	23°17	21°53	27° 5	11° 8	12° 6	25° 0	25°33	19°26	n.a.	M12
T 13	20 54 21	11°37'17	11♐39	25° 7	25°46	17°41	23°20	21°48	27° 3	11°10	12° 5	24°57	25°30	19°33	n.a.	T 13
W14	20 58 17	12°35'54	26°13	26°39	26°47	18°22	23°23	21°44	27° 1	11°12	12° 4	24°52	25°27	19°40	n.a.	W14
T 15	21 2 14	13°34'32	11♑ 9	28°15	27°49	19° 3	23°27	21°39	26°58	11°14	12° 3	24°44	25°24	19°46	n.a.	T 15
F 16	21 6 11	14°33'13	26°18	29°54	28°51	19°45	23°30	21°34	26°56	11°16	12° 2	24°34	25°21	19°53	n.a.	F 16
S 17	21 10 7	15°31'55	11♒31	1♌36	29°53	20°26	23°34	21°30	26°54	11°18	12° 1	24°24	25°17	20° 0	n.a.	S 17
S 18	21 14 4	16°30'39	26°38	3°20	0♋55	21° 8	23°37	21°25	26°52	11°20	11°59	24°15	25°14	20° 7	n.a.	S 18
M19	21 18 0	17°29'26	11♓27	5° 6	1°58	21°50	23°41	21°20	26°50	11°22	11°58	24° 7	25°11	20°13	n.a.	M19
T 20	21 21 57	18°28'14	25°52	6°54	3° 1	22°32	23°45	21°15	26°47	11°24	11°57	24° 1	25° 8	20°20	n.a.	T 20
W21	21 25 53	19°27'05	9♈49	8°42	4° 5	23°13	23°50	21°11	26°45	11°26	11°56	23°58	25° 5	20°27	n.a.	W21
T 22	21 29 50	20°25'59	23°17	10°32	5° 9	23°55	23°54	21° 6	26°43	11°28	11°55	23°D57	25° 1	20°33	n.a.	T 22
F 23	21 33 46	21°24'54	6♉18	12°21	6°13	24°38	23°59	21° 1	26°41	11°30	11°54	23°58	24°58	20°40	n.a.	F 23
S 24	21 37 43	22°23'53	18°55	14°12	7°17	25°20	24° 3	20°57	26°39	11°33	11°53	23°R58	24°55	20°47	n.a.	S 24
S 25	21 41 39	23°22'53	1♊14	16° 2	8°22	26° 2	24° 8	20°52	26°37	11°35	11°53	23°58	24°52	20°54	n.a.	S 25
M26	21 45 36	24°21'56	13°19	17°51	9°27	26°45	24°13	20°47	26°35	11°37	11°52	23°56	24°49	21° 0	n.a.	M26
T 27	21 49 33	25°21'02	25°15	19°41	10°32	27°27	24°19	20°42	26°33	11°39	11°51	23°52	24°46	21° 7	n.a.	T 27
W28	21 53 29	26°20'10	7♋ 7	21°30	11°37	28°10	24°24	20°38	26°31	11°41	11°50	23°45	24°42	21°14	n.a.	W28
T 29	21 57 26	27°19'20	18°58	23°19	12°43	28°53	24°30	20°33	26°29	11°43	11°49	23°37	24°39	21°21	n.a.	T 29
F 30	22 1 22	28°18'33	0♌51	25° 7	13°49	29°35	24°35	20°28	26°27	11°46	11°48	23°26	24°36	21°27	n.a.	F 30
S 31	22 5 19	29♌17'48	12♌49	26♌54	14♋55	0♏18	24♏41	20♒24	26♑25	11♍48	11♑47	23♎16	24♎33	21♋34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n27	18n35	4s48	20n55	2s 1	19n20	3s30	4s30	0s42	18s30	0n17	16s13	2s12	21s37	0s41	9n11	1n42	31s48	8s39	10s17	10s14	17n28		n.a.
F 2	20 14	17 1	4 59	21 12	1 43	19 31	3 26	4 46	0 43	18 31	0 17	16 15	2 12	21 38	0 41	9 11	1 42	31 48	8 38	10 12	10 13	17 27		n.a.
S 3	20 1	14 43	4 57	21 28	1 25	19 41	3 21	5 3	0 44	18 31	0 16	16 16	2 12	21 38	0 41	9 10	1 42	31 48	8 38	10 6	10 11	17 26		n.a.
S 4	19 48	11 48	4 41	21 43	1 7	19 52	3 17	5 20	0 45	18 32	0 16	16 18	2 12	21 39	0 41	9 9	1 42	31 48	8 38	10 1	10 10	17 25		n.a.
M 5	19 34	8 23	4 13	21 56	0 50	20 2	3 12	5 36	0 45	18 32	0 16	16 19	2 12	21 39	0 41	9 9	1 42	31 48	8 38	9 57	10 9	17 24		n.a.
T 6	19 20	4 36	3 34	22 8	0 33	20 11	3 7	5 53	0 46	18 33	0 16	16 21	2 13	21 40	0 41	9 8	1 42	31 48	8 38	9 53	10 8	17 23		n.a.
W 7	19 6	0 34	2 44	22 18	0 17	20 20	3 3	6 10	0 47	18 33	0 16	16 23	2 13	21 40	0 41	9 7	1 42	31 48	8 38	9 51	10 7	17 22		n.a.
T 8	18 51	3s32	1 45	22 25	0 1	20 29	2 58	6 26	0 48	18 34	0 16	16 24	2 13	21 41	0 41	9 6	1 42	31 48	8 38	9 50	10 6	17 21		n.a.
F 9	18 36	7 34	0 40	22 30	0n13	20 38	2 53	6 43	0 49	18 35	0 15	16 26	2 13	21 41	0 41	9 6	1 42	31 49	8 38	9 49	10 4	17 20		n.a.
S 10	18 20	11 20	0n29	22 33	0 27	20 46	2 48	7 0	0 50	18 35	0 15	16 27	2 13	21 42	0 41	9 5	1 42	31 49	8 38	9 49	10 3	17 19		n.a.
S 11	18 5	14 38	1 38	22 33	0 39	20 54	2 44	7 16	0 50	18 36	0 15	16 29	2 13	21 42	0 41	9 4	1 41	31 49	8 38	9 49	10 2	17 18		n.a.
M12	17 49	17 14	2 43	22 30	0 51	21 1	2 39	7 33	0 51	18 37	0 15	16 31	2 13	21 43	0 41	9 3	1 41	31 49	8 38	9 49	10 1	17 17		n.a.
T 13	17 32	18 51	3 41	22 25	1 1	21 8	2 34	7 50	0 52	18 38	0 15	16 32	2 13	21 43	0 41	9 2	1 41	31 49	8 38	9 48	10 0	17 16		n.a.
W14	17 16	19 18	4 26	22 16	1 10	21 15	2 29	8 6	0 53	18 39	0 14	16 34	2 14	21 43	0 41	9 2	1 41	31 49	8 38	9 46	9 59	17 15		n.a.
T 15	16 59	18 25	4 54	22 5	1 19	21 21	2 24	8 23	0 53	18 40	0 14	16 35	2 14	21 44	0 41	9 1	1 41	31 49	8 38	9 43	9 57	17 14		n.a.
F 16	16 42	16 15	5 2	21 51	1 26	21 27	2 19	8 40	0 54	18 41	0 14	16 37	2 14	21 44	0 41	9 0	1 41	31 49	8 38	9 39	9 56	17 13		n.a.
S 17	16 24	12 57	4 49	21 35	1 32	21 32	2 14	8 56	0 55	18 42	0 14	16 39	2 14	21 45	0 41	8 59	1 41	31 49	8 38	9 35	9 55	17 12		n.a.
S 18	16 7	8 49	4 16	21 16	1 38	21 37	2 9	9 13	0 56	18 43	0 14	16 40	2 14	21 45	0 41	8 58	1 41	31 49	8 38	9 32	9 54	17 11		n.a.
M19	15 48	4 12	3 26	20 54	1 42	21 41	2 5	9 29	0 56	18 44	0 14	16 42	2 14	21 46	0 41	8 58	1 41	31 49	8 38	9 29	9 53	17 10		n.a.
T 20	15 30	0n32	2 24	20 30	1 45	21 45	2 0	9 46	0 57	18 46	0 13	16 44	2 14	21 46	0 41	8 57	1 41	31 49	8 38	9 27	9 52	17 8		n.a.
W21	15 12	5 5	1 15	20 4	1 48	21 48	1 55	10 2	0 58	18 47	0 13	16 45	2 14	21 46	0 41	8 56	1 41	31 49	8 38	9 26	9 50	17 7		n.a.
T 22	14 53	9 14	0 4	19 36	1 50	21 51	1 50	10 19	0 58	18 48	0 13	16 47	2 14	21 47	0 41	8 55	1 41	31 49	8 38	9 25	9 49	17 6		n.a.
F 23	14 34	12 47	1s 5	19 6	1 51	21 53	1 45	10 35	0 59	18 49	0 13	16 48	2 14	21 47	0 41	8 54	1 41	31 49	8 37	9 25	9 48	17 5		n.a.
S 24	14 14	15 37	2 9	18 34	1 51	21 55	1 40	10 51	1 0	18 51	0 13	16 50	2 14	21 48	0 41	8 53	1 41	31 49	8 37	9 26	9 47	17 4		n.a.
S 25	13 55	17 40	3 5	18 1	1 51	21 56	1 35	11 8	1 0	18 52	0 13	16 52	2 14	21 48	0 41	8 53	1 41	31 49	8 37	9 26	9 46	17 3		n.a.
M26	13 35	18 53	3 52	17 26	1 50	21 56	1 30	11 24	1 1	18 54	0 12	16 53	2 14	21 48	0 41	8 52	1 41	31 49	8 37	9 25	9 44	17 2		n.a.
T 27	13 15	19 13	4 28	16 50	1 48	21 56	1 25	11 40	1 1	18 55	0 12	16 55	2 15	21 49	0 41	8 51	1 41	31 49	8 37	9 23	9 43	17 1		n.a.
W28	12 55	18 43	4 52	16 12	1 46	21 55	1 20	11 56	1 2	18 57	0 12	16 56	2 15	21 49	0 41	8 50	1 41	31 49	8 37	9 21	9 42	17 0		n.a.
T 29	12 34	17 24	5 4	15 34	1 44	21 54	1 16	12 12	1 3	18 58	0 12	16 58	2 15	21 50	0 41	8 49	1 41	31 49	8 37	9 17	9 41	16 59		n.a.
F 30	12 14	15 20	5 2	14 55	1 41	21 52	1 11	12 28	1 3	19 0	0 12	16 59	2 15	21 50	0 41	8 48	1 41	31 49	8 37	9 14	9 40	16 58		n.a.
S 31	11n53	12n36	4s47	14n14	1n37	21n50	1s 6	12s44	1s 4	19s 1	0n12	17s 1	2s15	21s50	0s41	8n47	1n41	31s49	8s37	9s10	9s39	16n57		n.a.

Julian Day Number = 1471073.5, Delta T = 05h30m55s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'23, Lahiri = -13°25'23 Julian Calendar 1 Aug. 686 BCE == Greg. Calendar 25 July 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

SEPTEMBER 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 9 15	0♍17'05	24♌53	28♌41	16♋ 1	1♏ 1	24♏48	20°R19	26°R23	11♍50	11°R46	23°R 5	24♎30	21♋41	n.a.	S 1
M 2	22 13 12	1°16'24	7♍ 5	0♍27	17° 8	1°45	24°54	20♒15	26♑21	11°52	11♑46	22♎56	24°27	21°47	n.a.	M 2
T 3	22 17 8	2°15'46	19°25	2°12	18°15	2°28	25° 0	20°10	26°19	11°54	11°45	22°49	24°23	21°54	n.a.	T 3
W 4	22 21 5	3°15'09	1♎55	3°57	19°22	3°11	25° 7	20° 5	26°18	11°57	11°44	22°45	24°20	22° 1	n.a.	W 4
T 5	22 25 1	4°14'35	14°34	5°41	20°29	3°54	25°13	20° 1	26°16	11°59	11°43	22°42	24°17	22° 8	n.a.	T 5
F 6	22 28 58	5°14'02	27°27	7°24	21°37	4°38	25°20	19°56	26°14	12° 1	11°43	22°D42	24°14	22°14	n.a.	F 6
S 7	22 32 55	6°13'32	10♏33	9° 6	22°44	5°21	25°27	19°52	26°13	12° 3	11°42	22°43	24°11	22°21	n.a.	S 7
S 8	22 36 51	7°13'03	23°55	10°47	23°52	6° 5	25°35	19°48	26°11	12° 5	11°41	22°45	24° 7	22°28	n.a.	S 8
M 9	22 40 48	8°12'37	7♐35	12°28	25° 0	6°49	25°42	19°43	26° 9	12° 8	11°41	22°R45	24° 4	22°34	n.a.	M 9
T 10	22 44 44	9°12'12	21°35	14° 8	26° 9	7°33	25°49	19°39	26° 8	12°10	11°40	22°44	24° 1	22°41	n.a.	T 10
W11	22 48 41	10°11'49	5♑53	15°47	27°17	8°17	25°57	19°35	26° 6	12°12	11°40	22°42	23°58	22°48	n.a.	W11
T 12	22 52 37	11°11'28	20°28	17°26	28°26	9° 0	26° 5	19°30	26° 5	12°14	11°39	22°38	23°55	22°55	n.a.	T 12
F 13	22 56 34	12°11'09	5♒15	19° 4	29°35	9°45	26°13	19°26	26° 3	12°17	11°39	22°32	23°52	23° 1	n.a.	F 13
S 14	23 0 30	13°10'51	20° 6	20°41	0♌44	10°29	26°21	19°22	26° 2	12°19	11°38	22°26	23°48	23° 8	n.a.	S 14
S 15	23 4 27	14°10'36	4♓55	22°18	1°53	11°13	26°29	19°18	26° 1	12°21	11°38	22°20	23°45	23°15	n.a.	S 15
M16	23 8 24	15°10'22	19°31	23°54	3° 2	11°57	26°37	19°14	25°59	12°23	11°37	22°15	23°42	23°22	n.a.	M16
T 17	23 12 20	16°10'11	3♈50	25°29	4°12	12°41	26°46	19°10	25°58	12°26	11°37	22°12	23°39	23°28	n.a.	T 17
W18	23 16 17	17°10'02	17°45	27° 4	5°21	13°26	26°54	19° 6	25°57	12°28	11°36	22°D11	23°36	23°35	n.a.	W18
T 19	23 20 13	18° 9'55	1♉15	28°38	6°31	14°10	27° 3	19° 2	25°56	12°30	11°36	22°11	23°33	23°42	n.a.	T 19
F 20	23 24 10	19° 9'51	14°20	0♎11	7°41	14°55	27°12	18°59	25°54	12°32	11°36	22°12	23°29	23°48	n.a.	F 20
S 21	23 28 6	20° 9'49	27° 2	1°44	8°51	15°39	27°21	18°55	25°53	12°35	11°35	22°14	23°26	23°55	n.a.	S 21
S 22	23 32 3	21° 9'49	9♊25	3°17	10° 2	16°24	27°30	18°51	25°52	12°37	11°35	22°16	23°23	24° 2	n.a.	S 22
M23	23 35 59	22° 9'51	21°32	4°49	11°12	17° 9	27°39	18°48	25°51	12°39	11°35	22°R16	23°20	24° 9	n.a.	M23
T 24	23 39 56	23° 9'56	3♋30	6°20	12°23	17°54	27°48	18°44	25°50	12°41	11°34	22°16	23°17	24°15	n.a.	T 24
W25	23 43 52	24°10'03	15°23	7°51	13°33	18°39	27°58	18°41	25°49	12°43	11°34	22°14	23°13	24°22	n.a.	W25
T 26	23 47 49	25°10'12	27°15	9°22	14°44	19°23	28° 7	18°38	25°48	12°46	11°34	22°11	23°10	24°29	n.a.	T 26
F 27	23 51 46	26°10'23	9♌11	10°52	15°55	20° 8	28°17	18°34	25°48	12°48	11°34	22° 7	23° 7	24°36	n.a.	F 27
S 28	23 55 42	27°10'37	21°13	12°21	17° 6	20°54	28°27	18°31	25°47	12°50	11°34	22° 2	23° 4	24°42	n.a.	S 28
S 29	23 59 39	28°10'52	3♍25	13°50	18°18	21°39	28°37	18°28	25°46	12°52	11°34	21°58	23° 1	24°49	n.a.	S 29
M30	0 3 35	29♍11'10	15♍47	15♎18	19♌29	22♏24	28♏47	18♒25	25♑45	12♍54	11♑33	21♎54	22♎58	24♋56	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n32	9n20	4s20	13n33	1n33	21n47	1s 1	13s 0	1s 4	19s 3	0n11	17s 2	2s15	21s51	0s41	8n47	1n41	31s49	8s37	9s 6	9s37	16n56		n.a.
M 2	11 10	5 38	3 40	12 52	1 29	21 44	0 56	13 16	1 5	19 5	0 11	17 4	2 15	21 51	0 41	8 46	1 41	31 49	8 36	9 2	9 36	16 55		n.a.
T 3	10 49	1 39	2 49	12 9	1 25	21 39	0 52	13 31	1 6	19 6	0 11	17 5	2 15	21 51	0 41	8 45	1 41	31 49	8 36	9 0	9 35	16 53		n.a.
W 4	10 27	2s27	1 50	11 26	1 20	21 35	0 47	13 47	1 6	19 8	0 11	17 7	2 15	21 52	0 41	8 44	1 41	31 49	8 36	8 58	9 34	16 52		n.a.
T 5	10 5	6 30	0 44	10 43	1 15	21 29	0 42	14 2	1 7	19 10	0 11	17 8	2 15	21 52	0 41	8 43	1 41	31 49	8 36	8 57	9 33	16 51		n.a.
F 6	9 43	10 19	0n26	10 0	1 10	21 23	0 38	14 18	1 7	19 12	0 11	17 10	2 15	21 52	0 41	8 42	1 41	31 49	8 36	8 57	9 31	16 50		n.a.
S 7	9 21	13 41	1 35	9 16	1 4	21 17	0 33	14 33	1 8	19 14	0 10	17 11	2 15	21 53	0 41	8 41	1 41	31 49	8 36	8 57	9 30	16 49		n.a.
S 8	8 59	16 25	2 41	8 32	0 59	21 10	0 29	14 48	1 8	19 15	0 10	17 13	2 15	21 53	0 41	8 41	1 41	31 49	8 36	8 58	9 29	16 48		n.a.
M 9	8 36	18 17	3 39	7 47	0 53	21 2	0 24	15 4	1 9	19 17	0 10	17 14	2 15	21 53	0 41	8 40	1 41	31 49	8 36	8 58	9 28	16 47		n.a.
T 10	8 14	19 6	4 25	7 3	0 47	20 53	0 20	15 19	1 9	19 19	0 10	17 15	2 15	21 53	0 41	8 39	1 41	31 48	8 35	8 58	9 27	16 46		n.a.
W11	7 51	18 42	4 56	6 18	0 41	20 44	0 16	15 33	1 10	19 21	0 10	17 17	2 15	21 54	0 41	8 38	1 41	31 48	8 35	8 57	9 26	16 45		n.a.
T 12	7 28	17 6	5 9	5 33	0 34	20 35	0 11	15 48	1 10	19 23	0 10	17 18	2 15	21 54	0 41	8 37	1 41	31 48	8 35	8 55	9 24	16 44		n.a.
F 13	7 5	14 20	5 2	4 49	0 28	20 25	0 7	16 3	1 11	19 25	0 10	17 19	2 14	21 54	0 41	8 36	1 41	31 48	8 35	8 53	9 23	16 42		n.a.
S 14	6 42	10 39	4 35	4 4	0 21	20 14	0 3	16 18	1 11	19 27	0 9	17 21	2 14	21 54	0 41	8 35	1 41	31 48	8 35	8 51	9 22	16 41		n.a.
S 15	6 19	6 18	3 49	3 20	0 15	20 2	0n 1	16 32	1 11	19 29	0 9	17 22	2 14	21 55	0 41	8 35	1 41	31 48	8 35	8 49	9 21	16 40		n.a.
M16	5 55	1 38	2 48	2 35	0 8	19 50	0 5	16 46	1 12	19 32	0 9	17 23	2 14	21 55	0 41	8 34	1 41	31 48	8 35	8 47	9 20	16 39		n.a.
T 17	5 32	3n 3	1 38	1 51	0 2	19 38	0 9	17 1	1 12	19 34	0 9	17 24	2 14	21 55	0 41	8 33	1 41	31 48	8 34	8 46	9 18	16 38		n.a.
W18	5 8	7 26	0 24	1 6	0s 5	19 25	0 13	17 15	1 13	19 36	0 9	17 26	2 14	21 55	0 41	8 32	1 41	31 48	8 34	8 45	9 17	16 37		n.a.
T 19	4 45	11 18	0s49	0 22	0 12	19 11	0 17	17 29	1 13	19 38	0 9	17 27	2 14	21 56	0 41	8 31	1 41	31 48	8 34	8 45	9 16	16 36		n.a.
F 20	4 21	14 29	1 58	0s22	0 19	18 57	0 21	17 42	1 13	19 40	0 8	17 28	2 14	21 56	0 41	8 30	1 41	31 48	8 34	8 46	9 15	16 35		n.a.
S 21	3 57	16 52	2 59	1 5	0 25	18 42	0 25	17 56	1 14	19 42	0 8	17 29	2 14	21 56	0 41	8 29	1 41	31 47	8 34	8 47	9 14	16 33		n.a.
S 22	3 33	18 23	3 50	1 49	0 32	18 26	0 28	18 9	1 14	19 45	0 8	17 30	2 14	21 56	0 41	8 29	1 41	31 47	8 34	8 47	9 12	16 32		n.a.
M23	3 9	19 1	4 30	2 32	0 39	18 10	0 32	18 23	1 15	19 47	0 8	17 31	2 14	21 56	0 41	8 28	1 41	31 47	8 33	8 47	9 11	16 31		n.a.
T 24	2 45	18 47	4 57	3 15	0 46	17 54	0 36	18 36	1 15	19 49	0 8	17 32	2 14	21 56	0 41	8 27	1 41	31 47	8 33	8 47	9 10	16 30		n.a.
W25	2 21	17 43	5 11	3 57	0 52	17 37	0 39	18 49	1 15	19 51	0 8	17 33	2 14	21 57	0 41	8 26	1 41	31 47	8 33	8 46	9 9	16 29		n.a.
T 26	1 57	15 54	5 12	4 40	0 59	17 19	0 43	19 2	1 16	19 54	0 8	17 34	2 14	21 57	0 41	8 25	1 41	31 47	8 33	8 45	9 8	16 28		n.a.
F 27	1 32	13 24	5 0	5 21	1 5	17 1	0 46	19 15	1 16	19 56	0 7	17 35	2 13	21 57	0 41	8 24	1 41	31 47	8 33	8 44	9 6	16 27		n.a.
S 28	1 8	10 18	4 34	6 3	1 12	16 42	0 49	19 27	1 16	19 58	0 7	17 36	2 13	21 57	0 41	8 23	1 41	31 46	8 33	8 42	9 5	16 25		n.a.
S 29	0 44	6 45	3 56	6 44	1 18	16 23	0 52	19 40	1 16	20 1	0 7	17 37	2 13	21 57	0 40	8 23	1 41	31 46	8 33	8 40	9 4	16 24		n.a.
M30	0n20	2n50	3s 5	7s24	1s24	16n 4	0n55	19s52	1s17	20s 3	0n 7	17s38	2s13	21s57	0s40	8n22	1n41	31s46	8s32	8s39	9s 3	16n23		n.a.

Julian Day Number = 1471104.5, Delta T = 05h30m53s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'19, Lahiri = -13°25'18 Julian Calendar 1 Sept. 686 BCE == Greg. Calendar 25 Aug. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

OCTOBER 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 7 32	0♎11'29	28♍23	16♎46	20♌40	23♏ 9	28♏57	18°R22	25°R45	12♍57	11°R33	21°R52	22♎54	25♋ 2	n.a.	T 1
W 2	0 11 28	1°11'51	11♎11	18°13	21°52	23°54	29° 7	18♒19	25♉44	12°59	11♉33	21♎50	22°51	25° 9	n.a.	W 2
T 3	0 15 25	2°12'14	24°12	19°39	23° 4	24°40	29°17	18°17	25°44	13° 1	11°D33	21°D50	22°48	25°16	n.a.	T 3
F 4	0 19 21	3°12'39	7♏26	21° 5	24°16	25°25	29°28	18°14	25°43	13° 3	11°33	21°50	22°45	25°23	n.a.	F 4
S 5	0 23 18	4°13'06	20°52	22°31	25°28	26°11	29°38	18°11	25°43	13° 5	11°33	21°52	22°42	25°29	n.a.	S 5
S 6	0 27 14	5°13'34	4♐30	23°55	26°40	26°56	29°49	18° 9	25°42	13° 7	11°33	21°53	22°38	25°36	n.a.	S 6
M 7	0 31 11	6°14'04	18°20	25°19	27°52	27°42	29°59	18° 7	25°42	13° 9	11°34	21°54	22°35	25°43	n.a.	M 7
T 8	0 35 8	7°14'35	2♑20	26°42	29° 4	28°28	0♐11	18° 4	25°42	13°11	11°34	21°R55	22°32	25°49	n.a.	T 8
W 9	0 39 4	8°15'08	16°29	28° 4	0♍16	29°13	0°22	18° 2	25°41	13°14	11°34	21°55	22°29	25°56	n.a.	W 9
T 10	0 43 1	9°15'42	0♒46	29°25	1°29	29°59	0°33	18° 0	25°41	13°16	11°34	21°54	22°26	26° 3	n.a.	T 10
F 11	0 46 57	10°16'17	15° 8	0♏44	2°41	0♐45	0°44	17°58	25°41	13°18	11°34	21°53	22°23	26°10	n.a.	F 11
S 12	0 50 54	11°16'54	29°31	2° 3	3°54	1°31	0°55	17°56	25°41	13°20	11°34	21°51	22°19	26°16	n.a.	S 12
S 13	0 54 50	12°17'32	13♓50	3°20	5° 7	2°17	1° 6	17°55	25°D41	13°22	11°35	21°50	22°16	26°23	n.a.	S 13
M14	0 58 47	13°18'11	28° 1	4°35	6°19	3° 3	1°18	17°53	25°41	13°24	11°35	21°49	22°13	26°30	n.a.	M14
T 15	1 2 43	14°18'52	11♈59	5°49	7°32	3°49	1°29	17°51	25°41	13°26	11°35	21°49	22°10	26°37	n.a.	T 15
W16	1 6 40	15°19'34	25°40	7° 1	8°45	4°35	1°41	17°50	25°41	13°28	11°36	21°D49	22° 7	26°43	n.a.	W16
T 17	1 10 37	16°20'18	9♉ 2	8°10	9°58	5°21	1°53	17°49	25°41	13°30	11°36	21°49	22° 4	26°50	n.a.	T 17
F 18	1 14 33	17°21'04	22° 4	9°17	11°11	6° 7	2° 4	17°47	25°41	13°32	11°36	21°49	22° 0	26°57	n.a.	F 18
S 19	1 18 30	18°21'52	4♊47	10°20	12°25	6°53	2°16	17°46	25°42	13°34	11°37	21°50	21°57	27° 3	n.a.	S 19
S 20	1 22 26	19°22'40	17°12	11°21	13°38	7°39	2°28	17°45	25°42	13°35	11°37	21°50	21°54	27°10	n.a.	S 20
M21	1 26 23	20°23'31	29°22	12°17	14°51	8°25	2°40	17°44	25°42	13°37	11°38	21°50	21°51	27°17	n.a.	M21
T 22	1 30 19	21°24'23	11♋22	13° 9	16° 5	9°11	2°52	17°43	25°43	13°39	11°38	21°50	21°48	27°24	n.a.	T 22
W23	1 34 16	22°25'17	23°16	13°57	17°18	9°58	3° 4	17°43	25°43	13°41	11°39	21°50	21°44	27°30	n.a.	W23
T 24	1 38 12	23°26'12	5♌ 9	14°38	18°32	10°44	3°17	17°42	25°44	13°43	11°39	21°50	21°41	27°37	n.a.	T 24
F 25	1 42 9	24°27'09	17° 4	15°14	19°45	11°30	3°29	17°42	25°44	13°45	11°40	21°51	21°38	27°44	n.a.	F 25
S 26	1 46 6	25°28'08	29° 8	15°42	20°59	12°17	3°41	17°41	25°45	13°47	11°41	21°51	21°35	27°51	n.a.	S 26
S 27	1 50 2	26°29'07	11♍23	16° 3	22°13	13° 3	3°54	17°41	25°46	13°48	11°41	21°51	21°32	27°57	n.a.	S 27
M28	1 53 59	27°30'08	23°54	16°14	23°27	13°50	4° 6	17°41	25°46	13°50	11°42	21°52	21°29	28° 4	n.a.	M28
T 29	1 57 55	28°31'10	6♎41	16°R17	24°41	14°36	4°19	17°D41	25°47	13°52	11°43	21°52	21°25	28°11	n.a.	T 29
W30	2 1 52	29°32'14	19°47	16° 9	25°54	15°23	4°32	17°41	25°48	13°53	11°43	21°R53	21°22	28°17	n.a.	W30
T 31	2 5 48	0♏33'19	3♏11	15♏50	27♍ 8	16♐ 9	4♐44	17♒41	25♉49	13♍55	11♉44	21♎53	21♎19	28♋24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s 5	1s16	2s 6	8s 4	1s30	15n43	0n58	20s 4	1s17	20s 5	0n 7	17s38	2s13	21s57	0s40	8n21	1n41	31s46	8s32	8s38	9s 2	16n22		n.a.
W 2	0 29	5 23	0 58	8 43	1 36	15 23	1 1	20 16	1 17	20 8	0 7	17 39	2 13	21 57	0 40	8 20	1 42	31 46	8 32	8 37	9 0	16 21		n.a.
T 3	0 53	9 19	0n13	9 22	1 42	15 2	1 4	20 27	1 18	20 10	0 7	17 40	2 13	21 57	0 40	8 19	1 42	31 46	8 32	8 37	8 59	16 20		n.a.
F 4	1 18	12 51	1 25	10 0	1 48	14 40	1 7	20 39	1 18	20 13	0 7	17 41	2 13	21 58	0 40	8 19	1 42	31 45	8 32	8 38	8 58	16 18		n.a.
S 5	1 42	15 45	2 34	10 38	1 53	14 18	1 10	20 50	1 18	20 15	0 6	17 41	2 13	21 58	0 40	8 18	1 42	31 45	8 32	8 38	8 57	16 17		n.a.
S 6	2 6	17 50	3 34	11 14	1 59	13 56	1 12	21 1	1 18	20 18	0 6	17 42	2 12	21 58	0 40	8 17	1 42	31 45	8 31	8 39	8 56	16 16		n.a.
M 7	2 31	18 53	4 24	11 50	2 4	13 33	1 15	21 12	1 18	20 20	0 6	17 43	2 12	21 58	0 40	8 16	1 42	31 45	8 31	8 39	8 55	16 15		n.a.
T 8	2 55	18 47	4 58	12 25	2 8	13 10	1 17	21 22	1 19	20 22	0 6	17 43	2 12	21 58	0 40	8 15	1 42	31 45	8 31	8 39	8 53	16 14		n.a.
W 9	3 19	17 32	5 15	13 0	2 13	12 46	1 20	21 33	1 19	20 25	0 6	17 44	2 12	21 58	0 40	8 15	1 42	31 45	8 31	8 39	8 52	16 13		n.a.
T 10	3 43	15 11	5 13	13 33	2 17	12 22	1 22	21 43	1 19	20 27	0 6	17 44	2 12	21 58	0 40	8 14	1 42	31 44	8 31	8 39	8 51	16 11		n.a.
F 11	4 7	11 53	4 51	14 5	2 21	11 58	1 24	21 53	1 19	20 30	0 6	17 45	2 12	21 58	0 40	8 13	1 42	31 44	8 31	8 38	8 50	16 10		n.a.
S 12	4 31	7 53	4 11	14 36	2 25	11 33	1 26	22 3	1 19	20 32	0 6	17 45	2 12	21 58	0 40	8 12	1 42	31 44	8 30	8 38	8 49	16 9		n.a.
S 13	4 55	3 27	3 15	15 6	2 28	11 8	1 28	22 12	1 20	20 35	0 5	17 46	2 11	21 58	0 40	8 12	1 42	31 44	8 30	8 37	8 47	16 8		n.a.
M14	5 19	1n 9	2 8	15 35	2 30	10 42	1 30	22 22	1 20	20 37	0 5	17 46	2 11	21 58	0 40	8 11	1 42	31 44	8 30	8 37	8 46	16 7		n.a.
T 15	5 43	5 38	0 54	16 2	2 33	10 17	1 32	22 31	1 20	20 40	0 5	17 46	2 11	21 58	0 40	8 10	1 42	31 43	8 30	8 37	8 45	16 6		n.a.
W16	6 7	9 44	0s21	16 28	2 34	9 51	1 34	22 40	1 20	20 42	0 5	17 47	2 11	21 58	0 40	8 9	1 42	31 43	8 30	8 37	8 44	16 4		n.a.
T 17	6 31	13 13	1 34	16 52	2 36	9 24	1 35	22 48	1 20	20 45	0 5	17 47	2 11	21 57	0 40	8 9	1 42	31 43	8 30	8 37	8 43	16 3		n.a.
F 18	6 54	15 58	2 40	17 15	2 36	8 57	1 37	22 57	1 20	20 47	0 5	17 47	2 11	21 57	0 40	8 8	1 42	31 43	8 29	8 37	8 41	16 2		n.a.
S 19	7 18	17 51	3 37	17 35	2 36	8 30	1 38	23 5	1 20	20 50	0 5	17 47	2 11	21 57	0 40	8 7	1 42	31 43	8 29	8 37	8 40	16 1		n.a.
S 20	7 41	18 49	4 21	17 54	2 35	8 3	1 40	23 13	1 21	20 52	0 5	17 48	2 10	21 57	0 40	8 6	1 42	31 42	8 29	8 37	8 39	16 0		n.a.
M21	8 5	18 53	4 53	18 10	2 33	7 36	1 41	23 21	1 21	20 55	0 4	17 48	2 10	21 57	0 40	8 6	1 42	31 42	8 29	8 37	8 38	15 58		n.a.
T 22	8 28	18 6	5 12	18 24	2 31	7 8	1 42	23 28	1 21	20 57	0 4	17 48	2 10	21 57	0 40	8 5	1 42	31 42	8 29	8 38	8 36	15 57		n.a.
W23	8 51	16 32	5 17	18 35	2 27	6 40	1 43	23 35	1 21	21 0	0 4	17 48	2 10	21 57	0 40	8 4	1 42	31 42	8 29	8 38	8 35	15 56		n.a.
T 24	9 14	14 15	5 9	18 44	2 23	6 11	1 44	23 42	1 21	21 2	0 4	17 48	2 10	21 57	0 40	8 4	1 42	31 42	8 28	8 38	8 34	15 55		n.a.
F 25	9 36	11 23	4 47	18 49	2 17	5 43	1 45	23 49	1 21	21 5	0 4	17 48	2 10	21 57	0 40	8 3	1 42	31 41	8 28	8 38	8 33	15 53		n.a.
S 26	9 59	8 0	4 13	18 50	2 10	5 14	1 46	23 55	1 21	21 7	0 4	17 48	2 9	21 57	0 40	8 2	1 42	31 41	8 28	8 38	8 32	15 52		n.a.
S 27	10 21	4 13	3 26	18 49	2 2	4 46	1 47	24 1	1 21	21 10	0 4	17 48	2 9	21 56	0 40	8 2	1 42	31 41	8 28	8 38	8 30	15 51		n.a.
M28	10 44	0 11	2 29	18 43	1 52	4 16	1 47	24 7	1 21	21 12	0 4	17 48	2 9	21 56	0 40	8 1	1 42	31 41	8 28	8 38	8 29	15 50		n.a.
T 29	11 6	3s58	1 23	18 33	1 41	3 47	1 48	24 13	1 21	21 15	0 3	17 47	2 9	21 56	0 40	8 0	1 42	31 41	8 28	8 38	8 28	15 49		n.a.
W30	11 28	8 1	0 12	18 18	1 28	3 18	1 48	24 18	1 21	21 17	0 3	17 47	2 9	21 56	0 40	8 0	1 43	31 40	8 27	8 38	8 27	15 47		n.a.
T 31	11s50	11s47	1n 2	17s59	1s13	2n49	1n49	24s23	1s21	21s20	0n 3	17s47	2s 9	21s56	0s40	7n59	1n43	31s40	8s27	8s38	8s26	15n46		n.a.

Julian Day Number = 1471134.5, Delta T = 05h30m52s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'15, Lahiri = -13°25'14 Julian Calendar 1 Oct. 686 BCE == Greg. Calendar 24 Sept. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

NOVEMBER 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 9 45	1♏34'24	16♏52	15°R20	28♍22	16♐56	4♐57	17♒41	25♑50	13♍57	11♑45	21°R52	21♎16	28♋31	n.a.	F 1
S 2	2 13 41	2°35'31	0♐47	14♏39	29°37	17°42	5°10	17°42	25°51	13°58	11°46	21♎51	21°13	28°38	n.a.	S 2
S 3	2 17 38	3°36'38	14°52	13°47	0♎51	18°29	5°23	17°42	25°52	14° 0	11°46	21°49	21° 9	28°44	n.a.	S 3
M 4	2 21 35	4°37'46	29° 4	12°45	2° 5	19°16	5°36	17°43	25°53	14° 2	11°47	21°48	21° 6	28°51	n.a.	M 4
T 5	2 25 31	5°38'55	13♑19	11°35	3°19	20° 2	5°49	17°43	25°54	14° 3	11°48	21°46	21° 3	28°58	n.a.	T 5
W 6	2 29 28	6°40'05	27°33	10°17	4°33	20°49	6° 2	17°44	25°55	14° 5	11°49	21°45	21° 0	29° 4	n.a.	W 6
T 7	2 33 24	7°41'14	11♒44	8°56	5°48	21°36	6°15	17°45	25°57	14° 6	11°50	21°D45	20°57	29°11	n.a.	T 7
F 8	2 37 21	8°42'25	25°50	7°33	7° 2	22°23	6°28	17°46	25°58	14° 8	11°51	21°46	20°54	29°18	n.a.	F 8
S 9	2 41 17	9°43'35	9♓49	6°11	8°16	23° 9	6°41	17°47	25°59	14° 9	11°52	21°47	20°50	29°25	n.a.	S 9
S 10	2 45 14	10°44'46	23°40	4°54	9°31	23°56	6°55	17°49	26° 1	14°11	11°53	21°48	20°47	29°31	n.a.	S 10
M11	2 49 10	11°45'57	7♈21	3°43	10°45	24°43	7° 8	17°50	26° 2	14°12	11°54	21°50	20°44	29°38	n.a.	M11
T 12	2 53 7	12°47'09	20°51	2°40	11°59	25°30	7°21	17°52	26° 3	14°13	11°55	21°R50	20°41	29°45	n.a.	T 12
W13	2 57 4	13°48'21	4♉ 9	1°47	13°14	26°16	7°35	17°53	26° 5	14°15	11°56	21°50	20°38	29°52	n.a.	W13
T 14	3 1 0	14°49'34	17°13	1° 4	14°28	27° 3	7°48	17°55	26° 7	14°16	11°57	21°48	20°35	29°58	n.a.	T 14
F 15	3 4 57	15°50'48	0♊ 3	0°33	15°43	27°50	8° 2	17°57	26° 8	14°17	11°58	21°45	20°31	0♌ 5	n.a.	F 15
S 16	3 8 53	16°52'01	12°39	0°12	16°58	28°37	8°15	17°59	26°10	14°19	11°59	21°41	20°28	0°12	n.a.	S 16
S 17	3 12 50	17°53'16	25° 1	0°D 3	18°12	29°24	8°29	18° 1	26°12	14°20	12° 1	21°36	20°25	0°18	n.a.	S 17
M18	3 16 46	18°54'31	7♋11	0° 3	19°27	0♑11	8°42	18° 3	26°13	14°21	12° 2	21°32	20°22	0°25	n.a.	M18
T 19	3 20 43	19°55'46	19°11	0°13	20°42	0°57	8°56	18° 5	26°15	14°22	12° 3	21°28	20°19	0°32	n.a.	T 19
W20	3 24 40	20°57'02	1♌ 4	0°31	21°56	1°44	9°10	18° 7	26°17	14°23	12° 4	21°24	20°15	0°39	n.a.	W20
T 21	3 28 36	21°58'19	12°56	0°57	23°11	2°31	9°23	18°10	26°19	14°25	12° 5	21°23	20°12	0°45	n.a.	T 21
F 22	3 32 33	22°59'35	24°50	1°30	24°26	3°18	9°37	18°12	26°21	14°26	12° 7	21°D22	20° 9	0°52	n.a.	F 22
S 23	3 36 29	24° 0'53	6♍51	2° 9	25°40	4° 5	9°51	18°15	26°23	14°27	12° 8	21°23	20° 6	0°59	n.a.	S 23
S 24	3 40 26	25° 2'10	19° 5	2°54	26°55	4°52	10° 5	18°18	26°25	14°28	12° 9	21°24	20° 3	1° 5	n.a.	S 24
M25	3 44 22	26° 3'28	1♎36	3°44	28°10	5°39	10°18	18°21	26°27	14°29	12°10	21°26	20° 0	1°12	n.a.	M25
T 26	3 48 19	27° 4'47	14°27	4°39	29°25	6°26	10°32	18°24	26°29	14°30	12°12	21°27	19°56	1°19	n.a.	T 26
W27	3 52 15	28° 6'05	27°43	5°37	0♏40	7°12	10°46	18°27	26°31	14°31	12°13	21°R27	19°53	1°26	n.a.	W27
T 28	3 56 12	29° 7'24	11♏22	6°39	1°54	7°59	11° 0	18°30	26°33	14°32	12°15	21°26	19°50	1°32	n.a.	T 28
F 29	4 0 9	0♐ 8'42	25°25	7°44	3° 9	8°46	11°14	18°33	26°35	14°32	12°16	21°22	19°47	1°39	n.a.	F 29
S 30	4 4 5	1♐10'01	9♐47	8♏51	4♏24	9♑33	11♐28	18♒36	26♑38	14♍33	12♑17	21♎17	19♎44	1♌46	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s11	14s58	2n14	17s34	0s57	2n19	1n49	24s28	1s21	21s22	0n 3	17s47	2s 8	21s55	0s40	7n59	1n43	31s40	8s27	8s38	8s24	15n45		n.a.
S 2	12 33	17 21	3 19	17 6	0 40	1 49	1 49	24 32	1 21	21 25	0 3	17 47	2 8	21 55	0 40	7 58	1 43	31 40	8 27	8 38	8 23	15 44		n.a.
S 3	12 54	18 43	4 13	16 32	0 21	1 20	1 49	24 37	1 21	21 27	0 3	17 46	2 8	21 55	0 39	7 57	1 43	31 39	8 27	8 37	8 22	15 42		n.a.
M 4	13 15	18 55	4 52	15 54	0 1	0 50	1 49	24 41	1 21	21 30	0 3	17 46	2 8	21 55	0 39	7 57	1 43	31 39	8 27	8 36	8 21	15 41		n.a.
T 5	13 35	17 55	5 13	15 13	0n19	0 20	1 49	24 44	1 21	21 32	0 3	17 45	2 8	21 54	0 39	7 56	1 43	31 39	8 27	8 36	8 20	15 40		n.a.
W 6	13 56	15 48	5 15	14 29	0 40	0s10	1 49	24 48	1 21	21 34	0 3	17 45	2 8	21 54	0 39	7 56	1 43	31 39	8 26	8 36	8 18	15 39		n.a.
T 7	14 16	12 45	4 57	13 44	1 0	0 40	1 49	24 51	1 21	21 37	0 2	17 45	2 7	21 54	0 39	7 55	1 43	31 38	8 26	8 36	8 17	15 38		n.a.
F 8	14 36	8 59	4 22	12 58	1 19	1 10	1 49	24 54	1 21	21 39	0 2	17 44	2 7	21 54	0 39	7 55	1 43	31 38	8 26	8 36	8 16	15 36		n.a.
S 9	14 56	4 44	3 32	12 14	1 38	1 40	1 48	24 56	1 21	21 42	0 2	17 44	2 7	21 53	0 39	7 54	1 43	31 38	8 26	8 36	8 15	15 35		n.a.
S 10	15 15	0 16	2 29	11 33	1 54	2 10	1 48	24 58	1 20	21 44	0 2	17 43	2 7	21 53	0 39	7 54	1 43	31 38	8 26	8 37	8 14	15 34		n.a.
M11	15 35	4n10	1 19	10 55	2 9	2 40	1 47	25 0	1 20	21 46	0 2	17 42	2 7	21 53	0 39	7 53	1 43	31 38	8 26	8 37	8 12	15 33		n.a.
T 12	15 54	8 20	0 5	10 21	2 21	3 10	1 47	25 2	1 20	21 49	0 2	17 42	2 6	21 53	0 39	7 53	1 43	31 37	8 26	8 37	8 11	15 31		n.a.
W13	16 12	12 1	1s 7	9 53	2 32	3 40	1 46	25 3	1 20	21 51	0 2	17 41	2 6	21 52	0 39	7 52	1 43	31 37	8 25	8 37	8 10	15 30		n.a.
T 14	16 31	15 3	2 15	9 31	2 40	4 10	1 45	25 4	1 20	21 53	0 2	17 40	2 6	21 52	0 39	7 52	1 43	31 37	8 25	8 37	8 9	15 29		n.a.
F 15	16 49	17 16	3 15	9 14	2 46	4 40	1 44	25 5	1 20	21 56	0 2	17 40	2 6	21 52	0 39	7 51	1 43	31 37	8 25	8 36	8 8	15 28		n.a.
S 16	17 7	18 36	4 4	9 4	2 50	5 10	1 43	25 6	1 20	21 58	0 1	17 39	2 6	21 51	0 39	7 51	1 43	31 36	8 25	8 34	8 6	15 26		n.a.
S 17	17 24	19 1	4 40	8 58	2 52	5 40	1 43	25 6	1 20	22 0	0 1	17 38	2 6	21 51	0 39	7 50	1 43	31 36	8 25	8 32	8 5	15 25		n.a.
M18	17 41	18 32	5 3	8 58	2 52	6 9	1 41	25 6	1 19	22 3	0 1	17 37	2 5	21 50	0 39	7 50	1 44	31 36	8 25	8 30	8 4	15 24		n.a.
T 19	17 58	17 13	5 13	9 2	2 52	6 39	1 40	25 6	1 19	22 5	0 1	17 36	2 5	21 50	0 39	7 49	1 44	31 36	8 25	8 29	8 3	15 22		n.a.
W20	18 15	15 11	5 9	9 10	2 50	7 8	1 39	25 5	1 19	22 7	0 1	17 35	2 5	21 50	0 39	7 49	1 44	31 35	8 25	8 28	8 1	15 21		n.a.
T 21	18 31	12 31	4 51	9 22	2 47	7 37	1 38	25 4	1 19	22 9	0 1	17 35	2 5	21 49	0 39	7 49	1 44	31 35	8 25	8 27	8 0	15 20		n.a.
F 22	18 47	9 19	4 21	9 37	2 43	8 6	1 37	25 3	1 19	22 12	0 1	17 34	2 5	21 49	0 39	7 48	1 44	31 35	8 24	8 27	7 59	15 19		n.a.
S 23	19 2	5 43	3 40	9 55	2 38	8 35	1 35	25 1	1 19	22 14	0 1	17 33	2 5	21 49	0 39	7 48	1 44	31 35	8 24	8 27	7 58	15 17		n.a.
S 24	19 18	1 49	2 48	10 16	2 32	9 4	1 34	24 59	1 18	22 16	0 1	17 32	2 4	21 48	0 39	7 48	1 44	31 35	8 24	8 28	7 57	15 16		n.a.
M25	19 32	2s16	1 46	10 39	2 26	9 32	1 32	24 57	1 18	22 18	0 0	17 31	2 4	21 48	0 39	7 47	1 44	31 34	8 24	8 28	7 55	15 15		n.a.
T 26	19 47	6 22	0 38	11 3	2 20	10 1	1 31	24 55	1 18	22 20	0 0	17 29	2 4	21 47	0 39	7 47	1 44	31 34	8 24	8 29	7 54	15 14		n.a.
W27	20 1	10 17	0n34	11 29	2 13	10 29	1 29	24 52	1 18	22 22	0 0	17 28	2 4	21 47	0 39	7 47	1 44	31 34	8 24	8 29	7 53	15 12		n.a.
T 28	20 15	13 46	1 46	11 56	2 6	10 56	1 27	24 49	1 17	22 24	0 0	17 27	2 4	21 46	0 39	7 46	1 44	31 34	8 24	8 28	7 52	15 11		n.a.
F 29	20 28	16 34	2 54	12 25	1 59	11 24	1 26	24 46	1 17	22 26	0s 0	17 26	2 4	21 46	0 39	7 46	1 44	31 33	8 24	8 27	7 51	15 10		n.a.
S 30	20s41	18s24	3n52	12s54	1n51	11s51	1n24	24s42	1s17	22s28	0s 0	17s25	2s 3	21s45	0s39	7n46	1n44	31s33	8s24	8s25	7s49	15n 8		n.a.

Julian Day Number = 1471165.5, Delta T = 05h30m50s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'10, Lahiri = -13°25'10 Julian Calendar 1 Nov. 686 BCE == Greg. Calendar 25 Oct. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 686 BCE
geocentric

DECEMBER 686 BCE (-685) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 8 2	2♐11'19	24♐23	10♏ 1	5♏39	10♑20	11♐42	18♒40	26♑40	14♍34	12♑19	21°R10	19♎41	1♌53	n.a.	S 1
M 2	4 11 58	3°12'38	9♑ 4	11°14	6°54	11° 7	11°56	18°43	26°42	14°35	12°20	21♎ 3	19°37	1°59	n.a.	M 2
T 3	4 15 55	4°13'55	23°45	12°28	8° 9	11°54	12°10	18°47	26°45	14°36	12°22	20°57	19°34	2° 6	n.a.	T 3
W 4	4 19 51	5°15'13	8♒18	13°43	9°24	12°41	12°24	18°51	26°47	14°36	12°23	20°52	19°31	2°13	n.a.	W 4
T 5	4 23 48	6°16'29	22°38	15° 1	10°39	13°28	12°38	18°55	26°50	14°37	12°25	20°50	19°28	2°19	n.a.	T 5
F 6	4 27 44	7°17'45	6♓43	16°19	11°53	14°15	12°52	18°58	26°52	14°38	12°26	20°D49	19°25	2°26	n.a.	F 6
S 7	4 31 41	8°19'00	20°31	17°39	13° 8	15° 1	13° 6	19° 2	26°55	14°38	12°28	20°49	19°21	2°33	n.a.	S 7
S 8	4 35 38	9°20'14	4♈ 4	19° 1	14°23	15°48	13°20	19° 7	26°57	14°39	12°29	20°50	19°18	2°40	n.a.	S 8
M 9	4 39 34	10°21'27	17°23	20°23	15°38	16°35	13°34	19°11	27° 0	14°39	12°31	20°R51	19°15	2°46	n.a.	M 9
T 10	4 43 31	11°22'40	0♉28	21°46	16°53	17°22	13°48	19°15	27° 2	14°40	12°32	20°51	19°12	2°53	n.a.	T 10
W11	4 47 27	12°23'52	13°22	23°10	18° 8	18° 9	14° 2	19°19	27° 5	14°40	12°34	20°48	19° 9	3° 0	n.a.	W11
T 12	4 51 24	13°25'04	26° 5	24°35	19°23	18°55	14°16	19°24	27° 8	14°41	12°35	20°43	19° 6	3° 6	n.a.	T 12
F 13	4 55 20	14°26'14	8♊38	26° 1	20°38	19°42	14°30	19°28	27°10	14°41	12°37	20°36	19° 2	3°13	n.a.	F 13
S 14	4 59 17	15°27'24	21° 1	27°27	21°53	20°29	14°44	19°33	27°13	14°41	12°39	20°26	18°59	3°20	n.a.	S 14
S 15	5 3 14	16°28'33	3♋14	28°55	23° 8	21°16	14°58	19°38	27°16	14°42	12°40	20°15	18°56	3°27	n.a.	S 15
M16	5 7 10	17°29'42	15°19	0♐23	24°23	22° 3	15°13	19°42	27°19	14°42	12°42	20° 3	18°53	3°33	n.a.	M16
T 17	5 11 7	18°30'50	27°17	1°51	25°38	22°49	15°27	19°47	27°22	14°42	12°44	19°53	18°50	3°40	n.a.	T 17
W18	5 15 3	19°31'57	9♌10	3°20	26°52	23°36	15°41	19°52	27°24	14°43	12°45	19°43	18°47	3°47	n.a.	W18
T 19	5 19 0	20°33'03	21° 0	4°50	28° 7	24°23	15°55	19°57	27°27	14°43	12°47	19°36	18°43	3°54	n.a.	T 19
F 20	5 22 56	21°34'09	2♍52	6°21	29°22	25° 9	16° 9	20° 2	27°30	14°43	12°49	19°32	18°40	4° 0	n.a.	F 20
S 21	5 26 53	22°35'14	14°50	7°52	0♐37	25°56	16°23	20° 8	27°33	14°43	12°50	19°30	18°37	4° 7	n.a.	S 21
S 22	5 30 49	23°36'19	27° 0	9°24	1°52	26°42	16°37	20°13	27°36	14°43	12°52	19°D30	18°34	4°14	n.a.	S 22
M23	5 34 46	24°37'22	9♎26	10°56	3° 7	27°29	16°51	20°18	27°39	14°43	12°54	19°30	18°31	4°20	n.a.	M23
T 24	5 38 43	25°38'25	22°13	12°30	4°22	28°16	17° 5	20°24	27°42	14°R43	12°55	19°R30	18°27	4°27	n.a.	T 24
W25	5 42 39	26°39'27	5♏27	14° 3	5°37	29° 2	17°19	20°29	27°45	14°43	12°57	19°29	18°24	4°34	n.a.	W25
T 26	5 46 36	27°40'28	19° 9	15°38	6°52	29°49	17°33	20°35	27°48	14°43	12°59	19°26	18°21	4°41	n.a.	T 26
F 27	5 50 32	28°41'28	3♐20	17°13	8° 7	0♒35	17°47	20°40	27°51	14°43	13° 1	19°20	18°18	4°47	n.a.	F 27
S 28	5 54 29	29°42'28	17°57	18°49	9°22	1°22	18° 1	20°46	27°55	14°43	13° 2	19°11	18°15	4°54	n.a.	S 28
S 29	5 58 25	0♑43'26	2♑53	20°25	10°37	2° 8	18°15	20°52	27°58	14°43	13° 4	19° 1	18°12	5° 1	n.a.	S 29
M30	6 2 22	1°44'23	18° 0	22° 2	11°51	2°55	18°29	20°57	28° 1	14°43	13° 6	18°49	18° 8	5° 7	n.a.	M30
T 31	6 6 18	2♑45'18	3♒ 7	23♐40	13♐ 6	3♒41	18♐43	21♒ 3	28♑ 4	14♍42	13♑ 8	18♎39	18♎ 5	5♌14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	20s53	19s 3	4n36	13s23	1n43	12s18	1n22	24s38	1s17	22s30	0s 0	17s24	2s 3	21s45	0s39	7n46	1n44	31s33	8s24	8s22	7s48	15n 7			n.a.
M 2	21 6	18 26	5 2	13 54	1 36	12 45	1 20	24 34	1 16	22 33	0 0	17 22	2 3	21 45	0 39	7 45	1 44	31 33	8 23	8 20	7 47	15 6			n.a.
T 3	21 17	16 35	5 9	14 24	1 28	13 11	1 18	24 30	1 16	22 34	0 0	17 21	2 3	21 44	0 39	7 45	1 44	31 32	8 23	8 17	7 46	15 4			n.a.
W 4	21 29	13 42	4 55	14 55	1 20	13 37	1 16	24 25	1 16	22 36	0 1	17 20	2 3	21 44	0 39	7 45	1 45	31 32	8 23	8 16	7 44	15 3			n.a.
T 5	21 40	10 1	4 23	15 25	1 12	14 3	1 14	24 20	1 16	22 38	0 1	17 18	2 3	21 43	0 39	7 45	1 45	31 32	8 23	8 14	7 43	15 2			n.a.
F 6	21 50	5 50	3 35	15 56	1 4	14 29	1 12	24 15	1 15	22 40	0 1	17 17	2 2	21 43	0 39	7 44	1 45	31 32	8 23	8 14	7 42	15 1			n.a.
S 7	22 0	1 25	2 36	16 27	0 56	14 54	1 10	24 9	1 15	22 42	0 1	17 15	2 2	21 42	0 39	7 44	1 45	31 32	8 23	8 14	7 41	14 59			n.a.
S 8	22 10	3n 0	1 29	16 57	0 48	15 18	1 8	24 4	1 15	22 44	0 1	17 14	2 2	21 42	0 39	7 44	1 45	31 31	8 23	8 15	7 40	14 58			n.a.
M 9	22 19	7 12	0 19	17 27	0 40	15 42	1 5	23 58	1 14	22 46	0 1	17 13	2 2	21 41	0 39	7 44	1 45	31 31	8 23	8 15	7 38	14 57			n.a.
T 10	22 28	11 0	0s52	17 57	0 32	16 6	1 3	23 51	1 14	22 48	0 1	17 11	2 2	21 40	0 39	7 44	1 45	31 31	8 23	8 15	7 37	14 55			n.a.
W11	22 36	14 12	1 58	18 26	0 24	16 30	1 1	23 45	1 14	22 50	0 1	17 9	2 2	21 40	0 39	7 44	1 45	31 31	8 23	8 14	7 36	14 54			n.a.
T 12	22 44	16 40	2 57	18 55	0 16	16 53	0 59	23 38	1 13	22 51	0 1	17 8	2 2	21 39	0 39	7 44	1 45	31 31	8 23	8 12	7 35	14 53			n.a.
F 13	22 51	18 19	3 47	19 23	0 9	17 15	0 56	23 31	1 13	22 53	0 2	17 6	2 1	21 39	0 39	7 44	1 45	31 30	8 23	8 9	7 33	14 51			n.a.
S 14	22 58	19 3	4 26	19 51	0 1	17 37	0 54	23 23	1 13	22 55	0 2	17 5	2 1	21 38	0 38	7 43	1 45	31 30	8 23	8 5	7 32	14 50			n.a.
S 15	23 5	18 53	4 51	20 18	0s 6	17 59	0 52	23 16	1 12	22 57	0 2	17 3	2 1	21 38	0 38	7 43	1 45	31 30	8 23	8 1	7 31	14 49			n.a.
M16	23 11	17 52	5 3	20 44	0 13	18 20	0 49	23 8	1 12	22 58	0 2	17 1	2 1	21 37	0 38	7 43	1 45	31 30	8 23	7 57	7 30	14 47			n.a.
T 17	23 16	16 4	5 2	21 9	0 20	18 41	0 47	22 59	1 12	23 0	0 2	17 0	2 1	21 37	0 38	7 43	1 45	31 29	8 23	7 53	7 29	14 46			n.a.
W18	23 21	13 36	4 47	21 34	0 27	19 1	0 44	22 51	1 11	23 2	0 2	16 58	2 1	21 36	0 38	7 43	1 45	31 29	8 23	7 49	7 27	14 45			n.a.
T 19	23 26	10 35	4 20	21 57	0 34	19 21	0 42	22 42	1 11	23 3	0 2	16 56	2 1	21 35	0 38	7 43	1 46	31 29	8 23	7 47	7 26	14 43			n.a.
F 20	23 30	7 9	3 42	22 20	0 40	19 40	0 39	22 33	1 11	23 5	0 2	16 55	2 1	21 35	0 38	7 43	1 46	31 29	8 23	7 45	7 25	14 42			n.a.
S 21	23 34	3 23	2 54	22 42	0 47	19 58	0 37	22 24	1 10	23 6	0 2	16 53	2 0	21 34	0 38	7 43	1 46	31 29	8 23	7 44	7 24	14 41			n.a.
S 22	23 37	0s34	1 57	23 3	0 53	20 16	0 34	22 15	1 10	23 8	0 3	16 51	2 0	21 34	0 38	7 43	1 46	31 29	8 23	7 44	7 22	14 39			n.a.
M23	23 40	4 36	0 53	23 22	0 59	20 33	0 32	22 5	1 9	23 9	0 3	16 49	2 0	21 33	0 38	7 43	1 46	31 28	8 22	7 44	7 21	14 38			n.a.
T 24	23 42	8 33	0n14	23 41	1 5	20 50	0 29	21 55	1 9	23 11	0 3	16 47	2 0	21 32	0 38	7 43	1 46	31 28	8 22	7 44	7 20	14 37			n.a.
W25	23 44	12 12	1 24	23 58	1 10	21 6	0 27	21 45	1 9	23 12	0 3	16 45	2 0	21 32	0 38	7 43	1 46	31 28	8 22	7 44	7 19	14 35			n.a.
T 26	23 45	15 20	2 31	24 15	1 16	21 22	0 24	21 35	1 8	23 14	0 3	16 43	2 0	21 31	0 38	7 44	1 46	31 28	8 22	7 42	7 18	14 34			n.a.
F 27	23 46	17 40	3 30	24 29	1 21	21 37	0 21	21 24	1 8	23 15	0 3	16 41	2 0	21 30	0 38	7 44	1 46	31 28	8 22	7 40	7 16	14 33			n.a.
S 28	23 46	18 56	4 18	24 43	1 26	21 51	0 19	21 14	1 7	23 17	0 3	16 40	2 0	21 30	0 38	7 44	1 46	31 27	8 22	7 37	7 15	14 31			n.a.
S 29	23 46	18 55	4 50	24 55	1 30	22 5	0 16	21 3	1 7	23 18	0 3	16 38	1 59	21 29	0 38	7 44	1 46	31 27	8 23	7 33	7 14	14 30			n.a.
M30	23 46	17 34	5 1	25 6	1 35	22 18	0 14	20 52	1 6	23 19	0 3	16 36	1 59	21 28	0 38	7 44	1 46	31 27	8 23	7 28	7 13	14 29			n.a.
T 31	23s45	15s 0	4n52	25s16	1s39	22s30	0n11	20s40	1s 6	23s21	0s 3	16s34	1s59	21s28	0s38	7n44	1n46	31s27	8s23	7s24	7s11	14n27			n.a.

Julian Day Number = 1471195.5, Delta T = 05h30m49s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'06, Lahiri = -13°25'06 Julian Calendar 1 Dec. 686 BCE == Greg. Calendar 24 Nov. 686 BCE

The year -685 astronomical counting style corresponds to year 686 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

JANUARY 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 10 15	3♑46'12	18♒ 4	25♐18	14♐21	4♒27	18♐57	21♒ 9	28♑ 7	14°R42	13♑ 9	18°R30	18♎ 2	5♌21	n.a.	W 1
T 2	6 14 12	4°47'04	2♓43	26°58	15°36	5°14	19°10	21°15	28°11	14♍42	13°11	18♎24	17°59	5°28	n.a.	T 2
F 3	6 18 8	5°47'55	16°59	28°38	16°51	6° 0	19°24	21°21	28°14	14°41	13°13	18°21	17°56	5°34	n.a.	F 3
S 4	6 22 5	6°48'44	0♈52	0♑19	18° 6	6°46	19°38	21°27	28°17	14°41	13°15	18°19	17°53	5°41	n.a.	S 4
S 5	6 26 1	7°49'31	14°22	2° 0	19°21	7°33	19°52	21°34	28°20	14°41	13°16	18°19	17°49	5°48	n.a.	S 5
M 6	6 29 58	8°50'16	27°31	3°42	20°35	8°19	20° 6	21°40	28°24	14°40	13°18	18°19	17°46	5°54	n.a.	M 6
T 7	6 33 54	9°50'59	10♉23	5°26	21°50	9° 5	20°19	21°46	28°27	14°40	13°20	18°18	17°43	6° 1	n.a.	T 7
W 8	6 37 51	10°51'41	23° 1	7°10	23° 5	9°51	20°33	21°52	28°30	14°39	13°22	18°14	17°40	6° 8	n.a.	W 8
T 9	6 41 47	11°52'21	5♊27	8°54	24°20	10°37	20°47	21°59	28°34	14°39	13°23	18° 7	17°37	6°15	n.a.	T 9
F 10	6 45 44	12°53'00	17°44	10°40	25°35	11°24	21° 0	22° 5	28°37	14°38	13°25	17°56	17°33	6°21	n.a.	F 10
S 11	6 49 41	13°53'36	29°54	12°27	26°50	12°10	21°14	22°12	28°40	14°38	13°27	17°44	17°30	6°28	n.a.	S 11
S 12	6 53 37	14°54'11	11♋57	14°14	28° 4	12°56	21°27	22°18	28°44	14°37	13°29	17°29	17°27	6°35	n.a.	S 12
M13	6 57 34	15°54'44	23°56	16° 2	29°19	13°42	21°41	22°25	28°47	14°36	13°31	17°14	17°24	6°41	n.a.	M13
T 14	7 1 30	16°55'16	5♌50	17°51	0♑34	14°28	21°54	22°32	28°50	14°36	13°32	17° 0	17°21	6°48	n.a.	T 14
W15	7 5 27	17°55'46	17°41	19°41	1°49	15°13	22° 8	22°38	28°54	14°35	13°34	16°47	17°18	6°55	n.a.	W15
T 16	7 9 23	18°56'14	29°32	21°31	3° 3	15°59	22°21	22°45	28°57	14°34	13°36	16°38	17°14	7° 2	n.a.	T 16
F 17	7 13 20	19°56'40	11♍24	23°22	4°18	16°45	22°34	22°52	29° 1	14°34	13°38	16°31	17°11	7° 8	n.a.	F 17
S 18	7 17 16	20°57'05	23°23	25°14	5°33	17°31	22°48	22°59	29° 4	14°33	13°39	16°27	17° 8	7°15	n.a.	S 18
S 19	7 21 13	21°57'29	5♎30	27° 7	6°48	18°17	23° 1	23° 6	29° 7	14°32	13°41	16°25	17° 5	7°22	n.a.	S 19
M20	7 25 10	22°57'51	17°53	29° 0	8° 2	19° 2	23°14	23°13	29°11	14°31	13°43	16°25	17° 2	7°28	n.a.	M20
T 21	7 29 6	23°58'11	0♏35	0♒53	9°17	19°48	23°27	23°20	29°14	14°30	13°45	16°25	16°58	7°35	n.a.	T 21
W22	7 33 3	24°58'30	13°41	2°46	10°32	20°34	23°40	23°27	29°18	14°29	13°47	16°24	16°55	7°42	n.a.	W22
T 23	7 36 59	25°58'47	27°16	4°40	11°46	21°19	23°53	23°34	29°21	14°28	13°48	16°20	16°52	7°49	n.a.	T 23
F 24	7 40 56	26°59'02	11♐22	6°33	13° 1	22° 5	24° 6	23°41	29°25	14°28	13°50	16°15	16°49	7°55	n.a.	F 24
S 25	7 44 52	27°59'16	25°56	8°26	14°16	22°50	24°19	23°48	29°28	14°27	13°52	16° 6	16°46	8° 2	n.a.	S 25
S 26	7 48 49	28°59'28	10♑55	10°18	15°30	23°36	24°32	23°55	29°32	14°26	13°54	15°56	16°43	8° 9	n.a.	S 26
M27	7 52 45	29°59'39	26°10	12° 9	16°45	24°21	24°45	24° 2	29°35	14°24	13°55	15°45	16°39	8°15	n.a.	M27
T 28	7 56 42	0♒59'47	11♒30	13°58	18° 0	25° 7	24°57	24° 9	29°38	14°23	13°57	15°34	16°36	8°22	n.a.	T 28
W29	8 0 39	1°59'53	26°44	15°46	19°14	25°52	25°10	24°17	29°42	14°22	13°59	15°25	16°33	8°29	n.a.	W29
T 30	8 4 35	2°59'57	11♓41	17°32	20°29	26°38	25°23	24°24	29°45	14°21	14° 0	15°19	16°30	8°36	n.a.	T 30
F 31	8 8 32	3♒59'59	26♓14	19♒14	21♑44	27♒23	25♐35	24♒31	29♑49	14♍20	14♑ 2	15♎15	16♎27	8♌42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23s43	11s28	4n23	25s24	1s42	22s42	0n 8	20s29	1s 6	23s22	0s 4	16s31	1s59	21s27	0s38	7n44	1n46	31s27	8s23	7s21	7s10	14n26			n.a.
T 2	23 41	7 17	3 37	25 30	1 46	22 53	0 6	20 17	1 5	23 23	0 4	16 29	1 59	21 26	0 38	7 44	1 46	31 27	8 23	7 19	7 9	14 25			n.a.
F 3	23 39	2 47	2 38	25 35	1 49	23 4	0 3	20 5	1 5	23 25	0 4	16 27	1 59	21 26	0 38	7 45	1 47	31 26	8 23	7 17	7 8	14 23			n.a.
S 4	23 36	1n44	1 31	25 38	1 52	23 13	0 1	19 52	1 4	23 26	0 4	16 25	1 59	21 25	0 38	7 45	1 47	31 26	8 23	7 17	7 6	14 22			n.a.
S 5	23 32	6 4	0 21	25 40	1 54	23 22	0s 2	19 40	1 4	23 27	0 4	16 23	1 59	21 24	0 38	7 45	1 47	31 26	8 23	7 17	7 5	14 21			n.a.
M 6	23 29	9 59	0s48	25 40	1 56	23 30	0 4	19 27	1 3	23 28	0 4	16 21	1 59	21 24	0 38	7 45	1 47	31 26	8 23	7 17	7 4	14 19			n.a.
T 7	23 24	13 21	1 54	25 38	1 58	23 38	0 7	19 15	1 3	23 29	0 4	16 19	1 59	21 23	0 38	7 45	1 47	31 26	8 23	7 16	7 3	14 18			n.a.
W 8	23 19	16 1	2 52	25 34	1 59	23 45	0 9	19 2	1 2	23 30	0 4	16 17	1 59	21 22	0 38	7 46	1 47	31 26	8 23	7 15	7 2	14 16			n.a.
T 9	23 14	17 53	3 41	25 28	2 0	23 51	0 12	18 48	1 2	23 31	0 5	16 14	1 58	21 22	0 38	7 46	1 47	31 26	8 23	7 12	7 0	14 15			n.a.
F 10	23 8	18 54	4 19	25 21	2 1	23 56	0 14	18 35	1 1	23 33	0 5	16 12	1 58	21 21	0 38	7 46	1 47	31 25	8 23	7 8	6 59	14 14			n.a.
S 11	23 2	19 1	4 45	25 11	2 1	24 1	0 17	18 22	1 1	23 34	0 5	16 10	1 58	21 20	0 38	7 47	1 47	31 25	8 23	7 3	6 58	14 12			n.a.
S 12	22 56	18 17	4 58	25 0	2 0	24 5	0 19	18 8	1 0	23 35	0 5	16 8	1 58	21 20	0 38	7 47	1 47	31 25	8 23	6 58	6 57	14 11			n.a.
M13	22 49	16 45	4 57	24 46	2 0	24 8	0 22	17 54	1 0	23 36	0 5	16 6	1 58	21 19	0 38	7 47	1 47	31 25	8 23	6 52	6 55	14 10			n.a.
T 14	22 41	14 30	4 44	24 31	1 58	24 10	0 24	17 40	0 59	23 37	0 5	16 3	1 58	21 18	0 38	7 47	1 47	31 25	8 23	6 46	6 54	14 8			n.a.
W15	22 33	11 40	4 18	24 13	1 56	24 12	0 26	17 26	0 59	23 37	0 5	16 1	1 58	21 17	0 38	7 48	1 47	31 25	8 23	6 41	6 53	14 7			n.a.
T 16	22 25	8 21	3 41	23 54	1 54	24 13	0 29	17 12	0 58	23 38	0 5	15 59	1 58	21 17	0 38	7 48	1 47	31 25	8 23	6 37	6 52	14 5			n.a.
F 17	22 16	4 43	2 54	23 32	1 51	24 13	0 31	16 57	0 58	23 39	0 5	15 56	1 58	21 16	0 38	7 48	1 47	31 24	8 23	6 35	6 50	14 4			n.a.
S 18	22 7	0 51	1 59	23 8	1 47	24 13	0 33	16 43	0 57	23 40	0 6	15 54	1 58	21 15	0 38	7 49	1 47	31 24	8 23	6 33	6 49	14 3			n.a.
S 19	21 57	3s 6	0 57	22 43	1 43	24 11	0 35	16 28	0 57	23 41	0 6	15 52	1 58	21 15	0 38	7 49	1 47	31 24	8 24	6 33	6 48	14 1			n.a.
M20	21 47	6 59	0n 8	22 15	1 38	24 9	0 38	16 13	0 56	23 42	0 6	15 49	1 58	21 14	0 38	7 50	1 48	31 24	8 24	6 32	6 47	14 0			n.a.
T 21	21 37	10 41	1 14	21 45	1 33	24 6	0 40	15 58	0 56	23 43	0 6	15 47	1 58	21 13	0 38	7 50	1 48	31 24	8 24	6 32	6 46	13 58			n.a.
W22	21 26	13 58	2 19	21 13	1 26	24 3	0 42	15 43	0 55	23 43	0 6	15 44	1 58	21 12	0 38	7 50	1 48	31 24	8 24	6 32	6 44	13 57			n.a.
T 23	21 15	16 37	3 18	20 39	1 20	23 59	0 44	15 27	0 55	23 44	0 6	15 42	1 58	21 12	0 38	7 51	1 48	31 24	8 24	6 31	6 43	13 56			n.a.
F 24	21 3	18 22	4 8	20 4	1 12	23 54	0 46	15 12	0 54	23 45	0 6	15 40	1 58	21 11	0 38	7 51	1 48	31 24	8 24	6 29	6 42	13 54			n.a.
S 25	20 51	19 0	4 43	19 26	1 4	23 48	0 48	14 56	0 54	23 45	0 6	15 37	1 57	21 10	0 38	7 52	1 48	31 24	8 24	6 25	6 41	13 53			n.a.
S 26	20 39	18 20	5 0	18 47	0 55	23 41	0 50	14 41	0 53	23 46	0 7	15 35	1 57	21 9	0 38	7 52	1 48	31 24	8 24	6 21	6 39	13 51			n.a.
M27	20 26	16 22	4 56	18 7	0 45	23 34	0 52	14 25	0 53	23 47	0 7	15 32	1 57	21 9	0 38	7 53	1 48	31 24	8 24	6 17	6 38	13 50			n.a.
T 28	20 13	13 14	4 31	17 26	0 35	23 26	0 54	14 9	0 52	23 47	0 7	15 30	1 57	21 8	0 38	7 53	1 48	31 23	8 25	6 13	6 37	13 49			n.a.
W29	20 0	9 13	3 47	16 43	0 24	23 18	0 56	13 53	0 51	23 48	0 7	15 27	1 57	21 7	0 38	7 54	1 48	31 23	8 25	6 9	6 36	13 47			n.a.
T 30	19 46	4 42	2 48	16 0	0 13	23 8	0 58	13 37	0 51	23 49	0 7	15 25	1 57	21 7	0 38	7 54	1 48	31 23	8 25	6 7	6 34	13 46			n.a.
F 31	19s32	0s 0	1n39	15s16	0s 0	22s58	0s59	13s20	0s50	23s49	0s 7	15s22	1s57	21s 6	0s38	7n54	1n48	31s23	8s25	6s 5	6s33	13n44			n.a.

Julian Day Number = 1471226.5, Delta T = 05h30m47s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°32'02, Lahiri = -13°25'02 Julian Calendar 1 Jan. 685 BCE == Greg. Calendar 25 Dec. 686 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

FEBRUARY 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 12 28	4♒59'58	10♈19	20♒54	22♉58	28♒ 8	25♐48	24♒39	29♉52	14°R19	14♉ 4	15°D14	16♎24	8♌49	n.a.	S 1
S 2	8 16 25	5°59'55	23°57	22°30	24°13	28°53	26° 0	24°46	29°56	14♍18	14° 5	15♎14	16°20	8°56	n.a.	S 2
M 3	8 20 21	6°59'50	7♉ 9	24° 1	25°27	29°38	26°12	24°53	29°59	14°17	14° 7	15°R14	16°17	9° 2	n.a.	M 3
T 4	8 24 18	7°59'42	20° 0	25°28	26°42	0♓24	26°25	25° 1	0♒ 2	14°15	14° 9	15°14	16°14	9° 9	n.a.	T 4
W 5	8 28 14	8°59'32	2♊32	26°49	27°56	1° 9	26°37	25° 8	0° 6	14°14	14°10	15°11	16°11	9°16	n.a.	W 5
T 6	8 32 11	9°59'20	14°50	28° 5	29°11	1°54	26°49	25°16	0° 9	14°13	14°12	15° 6	16° 8	9°23	n.a.	T 6
F 7	8 36 8	10°59'05	26°58	29°14	0♒26	2°39	27° 1	25°23	0°13	14°11	14°14	14°58	16° 4	9°29	n.a.	F 7
S 8	8 40 4	11°58'48	8♋58	0♓16	1°40	3°24	27°13	25°31	0°16	14°10	14°15	14°48	16° 1	9°36	n.a.	S 8
S 9	8 44 1	12°58'29	20°54	1°11	2°55	4° 8	27°25	25°38	0°20	14° 9	14°17	14°36	15°58	9°43	n.a.	S 9
M10	8 47 57	13°58'07	2♌47	1°58	4° 9	4°53	27°37	25°46	0°23	14° 7	14°19	14°24	15°55	9°49	n.a.	M10
T 11	8 51 54	14°57'44	14°39	2°37	5°23	5°38	27°49	25°53	0°26	14° 6	14°20	14°13	15°52	9°56	n.a.	T 11
W12	8 55 50	15°57'18	26°31	3° 9	6°38	6°23	28° 0	26° 1	0°30	14° 5	14°22	14° 2	15°49	10° 3	n.a.	W12
T 13	8 59 47	16°56'50	8♍25	3°32	7°52	7° 7	28°12	26° 8	0°33	14° 3	14°23	13°55	15°45	10°10	n.a.	T 13
F 14	9 3 43	17°56'19	20°23	3°47	9° 7	7°52	28°23	26°16	0°36	14° 2	14°25	13°49	15°42	10°16	n.a.	F 14
S 15	9 7 40	18°55'47	2♎26	3°R53	10°21	8°37	28°35	26°23	0°40	14° 0	14°26	13°46	15°39	10°23	n.a.	S 15
S 16	9 11 36	19°55'13	14°39	3°52	11°36	9°21	28°46	26°31	0°43	13°59	14°28	13°D46	15°36	10°30	n.a.	S 16
M17	9 15 33	20°54'37	27° 4	3°43	12°50	10° 6	28°57	26°39	0°46	13°58	14°29	13°46	15°33	10°36	n.a.	M17
T 18	9 19 30	21°53'59	9♏47	3°26	14° 4	10°50	29° 8	26°46	0°49	13°56	14°31	13°47	15°30	10°43	n.a.	T 18
W19	9 23 26	22°53'19	22°50	3° 3	15°19	11°35	29°19	26°54	0°53	13°55	14°32	13°R48	15°26	10°50	n.a.	W19
T 20	9 27 23	23°52'38	6♐18	2°33	16°33	12°19	29°30	27° 1	0°56	13°53	14°34	13°47	15°23	10°57	n.a.	T 20
F 21	9 31 19	24°51'54	20°12	1°57	17°48	13° 3	29°41	27° 9	0°59	13°52	14°35	13°45	15°20	11° 3	n.a.	F 21
S 22	9 35 16	25°51'09	4♑34	1°17	19° 2	13°47	29°52	27°17	1° 2	13°50	14°37	13°40	15°17	11°10	n.a.	S 22
S 23	9 39 12	26°50'22	19°20	0°32	20°16	14°32	0♑ 3	27°24	1° 6	13°48	14°38	13°34	15°14	11°17	n.a.	S 23
M24	9 43 9	27°49'32	4♒25	29♒45	21°31	15°16	0°13	27°32	1° 9	13°47	14°39	13°27	15°10	11°23	n.a.	M24
T 25	9 47 5	28°48'41	19°39	28°55	22°45	16° 0	0°24	27°40	1°12	13°45	14°41	13°20	15° 7	11°30	n.a.	T 25
W26	9 51 2	29°47'47	4♓52	28° 5	23°59	16°44	0°34	27°47	1°15	13°44	14°42	13°14	15° 4	11°37	n.a.	W26
T 27	9 54 59	0♓46'52	19°53	27°15	25°14	17°28	0°44	27°55	1°18	13°42	14°43	13°10	15° 1	11°44	n.a.	T 27
F 28	9 58 55	1°45'54	4♈34	26°26	26°28	18°12	0°54	28° 3	1°21	13°41	14°45	13° 8	14°58	11°50	n.a.	F 28
S 29	10 2 52	2♓44'53	18♈50	25♒39	27♒42	18♓56	1♑ 4	28♒10	1♒24	13♍39	14♉46	13°D 8	14♎55	11♌57	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s17	4n32	0n26	14s32	0n12	22s47	1s 1	13s 4	0s50	23s50	0s 7	15s20	1s57	21s 5	0s38	7n55	1n48	31s23	8s25	6s 5	6s32	13n43		n.a.
S 2	19 2	8 42	0s46	13 49	0 25	22 36	1 3	12 47	0 49	23 50	0 7	15 17	1 57	21 4	0 38	7 55	1 48	31 23	8 25	6 5	6 31	13 42		n.a.
M 3	18 47	12 18	1 54	13 5	0 39	22 24	1 4	12 31	0 49	23 51	0 8	15 15	1 57	21 4	0 38	7 56	1 48	31 23	8 25	6 5	6 30	13 40		n.a.
T 4	18 31	15 12	2 54	12 23	0 53	22 11	1 6	12 14	0 48	23 51	0 8	15 12	1 57	21 3	0 38	7 57	1 48	31 23	8 25	6 5	6 28	13 39		n.a.
W 5	18 16	17 18	3 44	11 42	1 7	21 58	1 7	11 57	0 48	23 52	0 8	15 10	1 57	21 2	0 38	7 57	1 48	31 23	8 26	6 4	6 27	13 37		n.a.
T 6	18 0	18 33	4 22	11 2	1 21	21 44	1 9	11 41	0 47	23 52	0 8	15 7	1 57	21 1	0 38	7 58	1 48	31 23	8 26	6 2	6 26	13 36		n.a.
F 7	17 43	18 56	4 48	10 25	1 36	21 29	1 10	11 24	0 46	23 52	0 8	15 4	1 57	21 1	0 38	7 58	1 48	31 23	8 26	5 59	6 25	13 34		n.a.
S 8	17 26	18 27	5 1	9 50	1 50	21 14	1 11	11 7	0 46	23 53	0 8	15 2	1 57	21 0	0 38	7 59	1 48	31 23	8 26	5 55	6 23	13 33		n.a.
S 9	17 9	17 10	5 1	9 17	2 4	20 58	1 13	10 50	0 45	23 53	0 8	14 59	1 57	20 59	0 38	7 59	1 49	31 23	8 26	5 50	6 22	13 32		n.a.
M10	16 52	15 8	4 48	8 47	2 17	20 41	1 14	10 33	0 45	23 54	0 8	14 57	1 57	20 59	0 38	8 0	1 49	31 23	8 26	5 45	6 21	13 30		n.a.
T 11	16 34	12 29	4 22	8 21	2 30	20 24	1 15	10 15	0 44	23 54	0 9	14 54	1 57	20 58	0 38	8 0	1 49	31 23	8 27	5 41	6 20	13 29		n.a.
W12	16 17	9 20	3 45	7 58	2 43	20 6	1 16	9 58	0 43	23 54	0 9	14 52	1 57	20 57	0 38	8 1	1 49	31 23	8 27	5 37	6 18	13 27		n.a.
T 13	15 59	5 47	2 57	7 39	2 55	19 48	1 17	9 41	0 43	23 55	0 9	14 49	1 57	20 56	0 38	8 2	1 49	31 23	8 27	5 34	6 17	13 26		n.a.
F 14	15 40	2 0	2 2	7 23	3 5	19 29	1 18	9 23	0 42	23 55	0 9	14 46	1 57	20 56	0 38	8 2	1 49	31 23	8 27	5 32	6 16	13 24		n.a.
S 15	15 22	1s54	1 0	7 12	3 15	19 9	1 19	9 6	0 42	23 55	0 9	14 44	1 57	20 55	0 38	8 3	1 49	31 23	8 27	5 30	6 15	13 23		n.a.
S 16	15 3	5 47	0n 5	7 4	3 23	18 50	1 20	8 48	0 41	23 55	0 9	14 41	1 57	20 54	0 38	8 3	1 49	31 23	8 28	5 30	6 13	13 22		n.a.
M17	14 44	9 28	1 11	7 1	3 31	18 29	1 21	8 31	0 41	23 56	0 9	14 38	1 57	20 53	0 38	8 4	1 49	31 23	8 28	5 30	6 12	13 20		n.a.
T 18	14 24	12 49	2 15	7 2	3 36	18 8	1 21	8 13	0 40	23 56	0 9	14 36	1 57	20 53	0 38	8 5	1 49	31 23	8 28	5 31	6 11	13 19		n.a.
W19	14 5	15 36	3 15	7 7	3 40	17 46	1 22	7 56	0 39	23 56	0 10	14 33	1 57	20 52	0 38	8 5	1 49	31 23	8 28	5 31	6 10	13 17		n.a.
T 20	13 45	17 39	4 5	7 15	3 43	17 24	1 23	7 38	0 39	23 56	0 10	14 31	1 57	20 51	0 38	8 6	1 49	31 23	8 28	5 31	6 8	13 16		n.a.
F 21	13 25	18 43	4 43	7 27	3 43	17 2	1 23	7 20	0 38	23 56	0 10	14 28	1 57	20 51	0 38	8 6	1 49	31 23	8 28	5 30	6 7	13 14		n.a.
S 22	13 5	18 38	5 4	7 43	3 42	16 39	1 24	7 2	0 38	23 57	0 10	14 25	1 57	20 50	0 38	8 7	1 49	31 23	8 29	5 28	6 6	13 13		n.a.
S 23	12 44	17 18	5 6	8 2	3 39	16 16	1 24	6 44	0 37	23 57	0 10	14 23	1 57	20 49	0 38	8 8	1 49	31 23	8 29	5 25	6 5	13 11		n.a.
M24	12 24	14 46	4 48	8 23	3 34	15 52	1 25	6 27	0 36	23 57	0 10	14 20	1 58	20 49	0 39	8 8	1 49	31 23	8 29	5 23	6 3	13 10		n.a.
T 25	12 3	11 12	4 9	8 46	3 28	15 27	1 25	6 9	0 36	23 57	0 10	14 17	1 58	20 48	0 39	8 9	1 49	31 23	8 29	5 20	6 2	13 9		n.a.
W26	11 42	6 53	3 12	9 11	3 19	15 3	1 25	5 51	0 35	23 57	0 11	14 15	1 58	20 47	0 39	8 10	1 49	31 23	8 30	5 18	6 1	13 7		n.a.
T 27	11 21	2 11	2 3	9 38	3 10	14 38	1 25	5 33	0 35	23 57	0 11	14 12	1 58	20 47	0 39	8 10	1 49	31 23	8 30	5 16	6 0	13 6		n.a.
F 28	11 0	2n33	0 46	10 5	2 59	14 12	1 25	5 15	0 34	23 57	0 11	14 9	1 58	20 46	0 39	8 11	1 49	31 23	8 30	5 15	5 58	13 4		n.a.
S 29	10s38	7n 0	0s31	10s33	2n46	13s46	1s25	4s57	0s33	23s57	0s11	14s 7	1s58	20s45	0s39	8n11	1n49	31s23	8s30	5s15	5s57	13n 3		n.a.

Julian Day Number = 1471257.5, Delta T = 05h30m46s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'58, Lahiri = -13°24'58 Julian Calendar 1 Feb. 685 BCE == Greg. Calendar 25 Jan. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

MARCH 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 6 48	3♓43'50	2♉38	24°R54	28♒56	19♓40	1♑14	28♒18	1♒27	13°R37	14♑47	13♎ 9	14♎51	12♌ 4	n.a.	S 1
M 2	10 10 45	4°42'45	15°59	24♒13	0♓11	20°24	1°24	28°25	1°30	13♏36	14°49	13°11	14°48	12°10	n.a.	M 2
T 3	10 14 41	5°41'38	28°55	23°36	1°25	21° 7	1°34	28°33	1°33	13°34	14°50	13°12	14°45	12°17	n.a.	T 3
W 4	10 18 38	6°40'28	11♊30	23° 3	2°39	21°51	1°43	28°41	1°36	13°33	14°51	13°R12	14°42	12°24	n.a.	W 4
T 5	10 22 34	7°39'16	23°48	22°36	3°53	22°35	1°53	28°48	1°39	13°31	14°52	13°10	14°39	12°30	n.a.	T 5
F 6	10 26 31	8°38'01	5♋54	22°13	5° 8	23°19	2° 2	28°56	1°42	13°29	14°53	13° 7	14°36	12°37	n.a.	F 6
S 7	10 30 27	9°36'44	17°51	21°56	6°22	24° 2	2°11	29° 3	1°45	13°28	14°55	13° 3	14°32	12°44	n.a.	S 7
S 8	10 34 24	10°35'25	29°43	21°44	7°36	24°46	2°20	29°11	1°48	13°26	14°56	12°58	14°29	12°51	n.a.	S 8
M 9	10 38 21	11°34'03	11♌34	21°37	8°50	25°29	2°29	29°18	1°51	13°24	14°57	12°52	14°26	12°57	n.a.	M 9
T 10	10 42 17	12°32'39	23°26	21°D36	10° 4	26°12	2°38	29°26	1°54	13°23	14°58	12°47	14°23	13° 4	n.a.	T 10
W11	10 46 14	13°31'13	5♍21	21°40	11°18	26°56	2°47	29°33	1°57	13°21	14°59	12°42	14°20	13°11	n.a.	W11
T 12	10 50 10	14°29'45	17°21	21°49	12°32	27°39	2°56	29°41	1°59	13°19	15° 0	12°38	14°16	13°17	n.a.	T 12
F 13	10 54 7	15°28'15	29°28	22° 3	13°46	28°22	3° 4	29°48	2° 2	13°18	15° 1	12°36	14°13	13°24	n.a.	F 13
S 14	10 58 3	16°26'43	11♎43	22°21	15° 1	29° 6	3°12	29°56	2° 5	13°16	15° 2	12°D35	14°10	13°31	n.a.	S 14
S 15	11 2 0	17°25'09	24° 9	22°45	16°15	29°49	3°21	0♓ 3	2° 7	13°15	15° 3	12°36	14° 7	13°38	n.a.	S 15
M16	11 5 56	18°23'33	6♏46	23°13	17°29	0♈32	3°29	0°11	2°10	13°13	15° 4	12°37	14° 4	13°44	n.a.	M16
T 17	11 9 53	19°21'55	19°39	23°45	18°43	1°15	3°37	0°18	2°13	13°11	15° 5	12°39	14° 1	13°51	n.a.	T 17
W18	11 13 49	20°20'16	2♐48	24°21	19°57	1°58	3°44	0°25	2°15	13°10	15° 6	12°40	13°57	13°58	n.a.	W18
T 19	11 17 46	21°18'35	16°16	25° 1	21°11	2°41	3°52	0°33	2°18	13° 8	15° 7	12°R41	13°54	14° 4	n.a.	T 19
F 20	11 21 43	22°16'53	0♑ 5	25°44	22°25	3°24	4° 0	0°40	2°20	13° 6	15° 8	12°41	13°51	14°11	n.a.	F 20
S 21	11 25 39	23°15'08	14°14	26°32	23°39	4° 7	4° 7	0°47	2°23	13° 5	15° 9	12°40	13°48	14°18	n.a.	S 21
S 22	11 29 36	24°13'23	28°43	27°22	24°53	4°50	4°14	0°54	2°25	13° 3	15° 9	12°38	13°45	14°24	n.a.	S 22
M23	11 33 32	25°11'35	13♒26	28°16	26° 7	5°32	4°21	1° 2	2°28	13° 2	15°10	12°36	13°41	14°31	n.a.	M23
T 24	11 37 29	26° 9'46	28°19	29°13	27°21	6°15	4°28	1° 9	2°30	13° 0	15°11	12°34	13°38	14°38	n.a.	T 24
W25	11 41 25	27° 7'55	13♓14	0♓13	28°35	6°58	4°35	1°16	2°32	12°58	15°12	12°32	13°35	14°45	n.a.	W25
T 26	11 45 22	28° 6'03	28° 3	1°16	29°49	7°41	4°42	1°23	2°35	12°57	15°13	12°31	13°32	14°51	n.a.	T 26
F 27	11 49 18	29° 4'08	12♈38	2°21	1♈ 3	8°23	4°48	1°30	2°37	12°55	15°13	12°D31	13°29	14°58	n.a.	F 27
S 28	11 53 15	0♈ 2'12	26°53	3°30	2°17	9° 6	4°54	1°37	2°39	12°54	15°14	12°31	13°26	15° 5	n.a.	S 28
S 29	11 57 12	1° 0'14	10♉44	4°40	3°30	9°48	5° 1	1°44	2°41	12°52	15°15	12°32	13°22	15°11	n.a.	S 29
M30	12 1 8	1°58'14	24°10	5°54	4°44	10°31	5° 7	1°51	2°43	12°51	15°15	12°33	13°19	15°18	n.a.	M30
T 31	12 5 5	2♈56'12	7♊12	7♓ 9	5♈58	11♈13	5♑13	1♓58	2♒45	12♏49	15♑16	12♎34	13♎16	15♌25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	10s17	10n56	1s44	11s 0	2n33	13s20	1s25	4s39	0s33	23s57	0s11	14s 4	1s58	20s45	0s39	8n12	1n49	31s24	8s30	5s16	5s56	13n 1			n.a.
M 2	9 55	14 9	2 49	11 27	2 19	12 54	1 25	4 21	0 32	23 57	0 11	14 2	1 58	20 44	0 39	8 13	1 49	31 24	8 31	5 16	5 55	13 0			n.a.
T 3	9 33	16 34	3 43	11 53	2 4	12 27	1 25	4 3	0 31	23 57	0 11	13 59	1 58	20 43	0 39	8 13	1 49	31 24	8 31	5 17	5 53	12 58			n.a.
W 4	9 11	18 6	4 25	12 19	1 49	11 59	1 25	3 45	0 31	23 57	0 12	13 56	1 58	20 43	0 39	8 14	1 49	31 24	8 31	5 17	5 52	12 57			n.a.
T 5	8 49	18 44	4 54	12 42	1 34	11 32	1 25	3 27	0 30	23 58	0 12	13 54	1 58	20 42	0 39	8 15	1 49	31 24	8 31	5 16	5 51	12 55			n.a.
F 6	8 27	18 30	5 9	13 4	1 18	11 4	1 24	3 9	0 30	23 58	0 12	13 51	1 58	20 41	0 39	8 15	1 49	31 24	8 32	5 15	5 50	12 54			n.a.
S 7	8 4	17 26	5 10	13 25	1 2	10 36	1 24	2 51	0 29	23 58	0 12	13 48	1 58	20 41	0 39	8 16	1 49	31 24	8 32	5 13	5 49	12 52			n.a.
S 8	7 42	15 38	4 58	13 43	0 47	10 8	1 24	2 33	0 28	23 58	0 12	13 46	1 58	20 40	0 39	8 17	1 49	31 24	8 32	5 11	5 47	12 51			n.a.
M 9	7 19	13 10	4 34	14 0	0 32	9 39	1 23	2 15	0 28	23 58	0 12	13 43	1 58	20 39	0 39	8 17	1 49	31 24	8 32	5 9	5 46	12 49			n.a.
T 10	6 57	10 10	3 57	14 14	0 17	9 10	1 22	1 57	0 27	23 57	0 13	13 41	1 58	20 39	0 39	8 18	1 49	31 24	8 33	5 7	5 45	12 48			n.a.
W11	6 34	6 44	3 10	14 27	0 2	8 41	1 22	1 39	0 27	23 57	0 13	13 38	1 59	20 38	0 39	8 19	1 49	31 24	8 33	5 5	5 44	12 47			n.a.
T 12	6 11	3 1	2 14	14 37	0s12	8 12	1 21	1 21	0 26	23 57	0 13	13 35	1 59	20 38	0 39	8 19	1 49	31 25	8 33	5 4	5 42	12 45			n.a.
F 13	5 48	0s53	1 11	14 45	0 25	7 42	1 20	1 3	0 25	23 57	0 13	13 33	1 59	20 37	0 39	8 20	1 49	31 25	8 33	5 3	5 41	12 44			n.a.
S 14	5 25	4 46	0 5	14 51	0 38	7 12	1 19	0 45	0 25	23 57	0 13	13 30	1 59	20 36	0 39	8 21	1 49	31 25	8 34	5 2	5 40	12 42			n.a.
S 15	5 2	8 31	1n 3	14 55	0 51	6 42	1 19	0 27	0 24	23 57	0 13	13 28	1 59	20 36	0 39	8 21	1 49	31 25	8 34	5 3	5 39	12 41			n.a.
M16	4 39	11 56	2 9	14 57	1 2	6 12	1 18	0 9	0 23	23 57	0 14	13 25	1 59	20 35	0 39	8 22	1 49	31 25	8 34	5 3	5 37	12 39			n.a.
T 17	4 16	14 51	3 10	14 57	1 13	5 42	1 17	0n 9	0 23	23 57	0 14	13 23	1 59	20 35	0 39	8 22	1 49	31 25	8 34	5 4	5 36	12 38			n.a.
W18	3 53	17 3	4 2	14 54	1 24	5 12	1 16	0 27	0 22	23 57	0 14	13 20	1 59	20 34	0 39	8 23	1 49	31 25	8 35	5 4	5 35	12 36			n.a.
T 19	3 30	18 22	4 43	14 50	1 34	4 41	1 15	0 45	0 22	23 57	0 14	13 17	1 59	20 33	0 39	8 24	1 49	31 26	8 35	5 5	5 34	12 35			n.a.
F 20	3 6	18 39	5 8	14 44	1 43	4 10	1 13	1 3	0 21	23 57	0 14	13 15	1 59	20 33	0 39	8 24	1 49	31 26	8 35	5 5	5 32	12 33			n.a.
S 21	2 43	17 47	5 15	14 35	1 51	3 39	1 12	1 21	0 20	23 57	0 14	13 12	2 0	20 32	0 39	8 25	1 49	31 26	8 35	5 4	5 31	12 32			n.a.
S 22	2 20	15 46	5 3	14 25	1 59	3 9	1 11	1 39	0 20	23 57	0 15	13 10	2 0	20 32	0 39	8 26	1 49	31 26	8 36	5 4	5 30	12 30			n.a.
M23	1 56	12 42	4 31	14 13	2 6	2 38	1 10	1 56	0 19	23 57	0 15	13 7	2 0	20 31	0 39	8 26	1 49	31 26	8 36	5 3	5 29	12 29			n.a.
T 24	1 33	8 47	3 41	13 59	2 13	2 7	1 8	2 14	0 19	23 57	0 15	13 5	2 0	20 31	0 39	8 27	1 49	31 26	8 36	5 2	5 27	12 27			n.a.
W25	1 9	4 18	2 35	13 43	2 19	1 35	1 7	2 32	0 18	23 57	0 15	13 2	2 0	20 30	0 39	8 27	1 49	31 27	8 37	5 1	5 26	12 26			n.a.
T 26	0 46	0n25	1 19	13 25	2 24	1 4	1 5	2 49	0 17	23 57	0 15	13 0	2 0	20 30	0 39	8 28	1 49	31 27	8 37	5 1	5 25	12 24			n.a.
F 27	0 23	5 3	0s 1	13 5	2 29	0 33	1 4	3 7	0 17	23 57	0 15	12 57	2 0	20 29	0 39	8 29	1 49	31 27	8 37	5 1	5 24	12 23			n.a.
S 28	0n 1	9 17	1 19	12 44	2 33	0 2	1 2	3 24	0 16	23 57	0 16	12 55	2 0	20 29	0 39	8 29	1 49	31 27	8 37	5 1	5 22	12 21			n.a.
S 29	0 24	12 53	2 30	12 21	2 36	0n29	1 1	3 42	0 15	23 56	0 16	12 53	2 1	20 28	0 39	8 30	1 49	31 27	8 38	5 1	5 21	12 20			n.a.
M30	0 48	15 40	3 31	11 56	2 39	1 1	0 59	3 59	0 15	23 56	0 16	12 50	2 1	20 28	0 39	8 30	1 49	31 28	8 38	5 1	5 20	12 18			n.a.
T 31	1n11	17n34	4s19	11s29	2s41	1n32	0s57	4n17	0s14	23s56	0s16	12s48	2s 1	20s27	0s39	8n31	1n49	31s28	8s38	5s 2	5s19	12n17			n.a.

Julian Day Number = 1471286.5, Delta T = 05h30m44s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'54, Lahiri = -13°24'54 Julian Calendar 1 March 685 BCE == Greg. Calendar 23 Feb. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

APRIL 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 9 1	3♈54'08	19♊52	8♓27	7♈12	11♈55	5♑18	2♓ 5	2♒48	12°R48	15♑16	12♎34	13♎13	15♌31	n.a.	W 1
T 2	12 12 58	4°52'02	2♋13	9°47	8°26	12°38	5°24	2°12	2°50	12♏46	15°17	12°R34	13°10	15°38	n.a.	T 2
F 3	12 16 54	5°49'54	14°20	11°10	9°40	13°20	5°29	2°19	2°52	12°45	15°17	12°34	13° 7	15°45	n.a.	F 3
S 4	12 20 51	6°47'45	26°18	12°35	10°54	14° 2	5°34	2°26	2°54	12°43	15°18	12°34	13° 3	15°52	n.a.	S 4
S 5	12 24 47	7°45'33	8♌10	14° 2	12° 7	14°44	5°39	2°32	2°55	12°42	15°18	12°33	13° 0	15°58	n.a.	S 5
M 6	12 28 44	8°43'19	20° 1	15°31	13°21	15°26	5°44	2°39	2°57	12°40	15°19	12°33	12°57	16° 5	n.a.	M 6
T 7	12 32 40	9°41'04	1♏55	17° 2	14°35	16° 8	5°49	2°46	2°59	12°39	15°19	12°32	12°54	16°12	n.a.	T 7
W 8	12 36 37	10°38'47	13°55	18°35	15°49	16°50	5°54	2°52	3° 1	12°37	15°20	12°32	12°51	16°18	n.a.	W 8
T 9	12 40 34	11°36'29	26° 3	20°11	17° 3	17°32	5°58	2°59	3° 3	12°36	15°20	12°32	12°47	16°25	n.a.	T 9
F 10	12 44 30	12°34'09	8♎22	21°48	18°16	18°14	6° 2	3° 5	3° 4	12°35	15°20	12°32	12°44	16°32	n.a.	F 10
S 11	12 48 27	13°31'47	20°52	23°28	19°30	18°56	6° 6	3°12	3° 6	12°33	15°21	12°32	12°41	16°38	n.a.	S 11
S 12	12 52 23	14°29'24	3♏36	25° 9	20°44	19°38	6°10	3°18	3° 8	12°32	15°21	12°32	12°38	16°45	n.a.	S 12
M13	12 56 20	15°27'00	16°34	26°53	21°58	20°20	6°14	3°25	3° 9	12°31	15°21	12°32	12°35	16°52	n.a.	M13
T 14	13 0 16	16°24'34	29°45	28°39	23°11	21° 1	6°17	3°31	3°11	12°29	15°22	12°31	12°32	16°59	n.a.	T 14
W15	13 4 13	17°22'07	13♐11	0♈27	24°25	21°43	6°21	3°37	3°12	12°28	15°22	12°31	12°28	17° 5	n.a.	W15
T 16	13 8 9	18°19'40	26°50	2°17	25°39	22°25	6°24	3°43	3°14	12°27	15°22	12°30	12°25	17°12	n.a.	T 16
F 17	13 12 6	19°17'11	10♑43	4° 9	26°52	23° 6	6°27	3°50	3°15	12°25	15°22	12°30	12°22	17°19	n.a.	F 17
S 18	13 16 3	20°14'41	24°48	6° 3	28° 6	23°48	6°29	3°56	3°16	12°24	15°22	12°D30	12°19	17°25	n.a.	S 18
S 19	13 19 59	21°12'11	9♒ 3	7°59	29°20	24°29	6°32	4° 2	3°18	12°23	15°23	12°30	12°16	17°32	n.a.	S 19
M20	13 23 56	22° 9'39	23°27	9°57	0♉33	25°11	6°34	4° 8	3°19	12°22	15°23	12°31	12°12	17°39	n.a.	M20
T 21	13 27 52	23° 7'07	7♓55	11°57	1°47	25°52	6°37	4°14	3°20	12°21	15°23	12°32	12° 9	17°45	n.a.	T 21
W22	13 31 49	24° 4'33	22°24	13°59	3° 1	26°34	6°39	4°19	3°21	12°20	15°23	12°33	12° 6	17°52	n.a.	W22
T 23	13 35 45	25° 1'59	6♈49	16° 3	4°14	27°15	6°41	4°25	3°22	12°18	15°R23	12°R33	12° 3	17°59	n.a.	T 23
F 24	13 39 42	25°59'23	21° 4	18° 8	5°28	27°56	6°42	4°31	3°23	12°17	15°23	12°33	12° 0	18° 6	n.a.	F 24
S 25	13 43 38	26°56'47	5♉ 4	20°15	6°41	28°37	6°44	4°37	3°24	12°16	15°23	12°32	11°57	18°12	n.a.	S 25
S 26	13 47 35	27°54'09	18°47	22°23	7°55	29°19	6°45	4°42	3°25	12°15	15°23	12°31	11°53	18°19	n.a.	S 26
M27	13 51 32	28°51'31	2♊ 9	24°33	9° 9	29°59	6°46	4°48	3°26	12°14	15°23	12°29	11°50	18°26	n.a.	M27
T 28	13 55 28	29°48'51	15°11	26°43	10°22	0♉41	6°47	4°53	3°27	12°13	15°22	12°26	11°47	18°32	n.a.	T 28
W29	13 59 25	0♉46'10	27°52	28°54	11°36	1°22	6°48	4°59	3°28	12°12	15°22	12°24	11°44	18°39	n.a.	W29
T 30	14 3 21	1♉43'28	10♋15	1♉ 6	12♉49	2♉ 3	6♑48	5♓ 4	3♒29	12♏11	15♑22	12♎22	11♎41	18♌46	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	1n34	18n31	4s53	11s 1	2s42	2n 3	0s55	4n34	0s14	23s56	0s16	12s45	2s 1	20s27	0s39	8n32	1n49	31s28	8s39	5s 2	5s17	12n15		n.a.	W 1
T 2	1 58	18 33	5 12	10 31	2 43	2 34	0 54	4 51	0 13	23 56	0 16	12 43	2 1	20 27	0 39	8 32	1 49	31 28	8 39	5 2	5 16	12 14		n.a.	T 2
F 3	2 21	17 44	5 17	9 59	2 43	3 5	0 52	5 9	0 12	23 56	0 17	12 41	2 1	20 26	0 40	8 33	1 49	31 28	8 39	5 2	5 15	12 12		n.a.	F 3
S 4	2 44	16 9	5 8	9 26	2 43	3 36	0 50	5 26	0 12	23 56	0 17	12 38	2 1	20 26	0 40	8 33	1 49	31 29	8 39	5 2	5 14	12 10		n.a.	S 4
S 5	3 7	13 52	4 46	8 51	2 42	4 7	0 48	5 43	0 11	23 56	0 17	12 36	2 2	20 25	0 40	8 34	1 49	31 29	8 40	5 2	5 12	12 9		n.a.	S 5
M 6	3 30	11 2	4 12	8 15	2 41	4 38	0 46	6 0	0 10	23 56	0 17	12 34	2 2	20 25	0 40	8 34	1 49	31 29	8 40	5 2	5 11	12 7		n.a.	M 6
T 7	3 53	7 43	3 27	7 37	2 38	5 9	0 44	6 17	0 10	23 56	0 17	12 31	2 2	20 24	0 40	8 35	1 49	31 29	8 40	5 1	5 10	12 6		n.a.	T 7
W 8	4 16	4 5	2 32	6 58	2 36	5 40	0 42	6 34	0 9	23 56	0 18	12 29	2 2	20 24	0 40	8 35	1 49	31 30	8 41	5 1	5 8	12 4		n.a.	W 8
T 9	4 39	0 13	1 30	6 16	2 32	6 10	0 40	6 51	0 9	23 56	0 18	12 27	2 2	20 24	0 40	8 36	1 49	31 30	8 41	5 1	5 7	12 3		n.a.	T 9
F 10	5 2	3s43	0 23	5 34	2 29	6 41	0 38	7 7	0 8	23 56	0 18	12 25	2 2	20 23	0 40	8 36	1 49	31 30	8 41	5 1	5 6	12 1		n.a.	F 10
S 11	5 25	7 33	0n46	4 50	2 24	7 11	0 36	7 24	0 7	23 56	0 18	12 22	2 3	20 23	0 40	8 37	1 49	31 30	8 41	5 1	5 5	12 0		n.a.	S 11
S 12	5 47	11 6	1 54	4 5	2 19	7 41	0 33	7 41	0 7	23 56	0 18	12 20	2 3	20 23	0 40	8 37	1 49	31 31	8 42	5 1	5 3	11 58		n.a.	S 12
M13	6 10	14 11	2 58	3 18	2 14	8 11	0 31	7 57	0 6	23 56	0 19	12 18	2 3	20 22	0 40	8 38	1 49	31 31	8 42	5 1	5 2	11 57		n.a.	M13
T 14	6 32	16 35	3 53	2 30	2 8	8 41	0 29	8 14	0 6	23 56	0 19	12 16	2 3	20 22	0 40	8 38	1 49	31 31	8 42	5 1	5 1	11 55		n.a.	T 14
W15	6 55	18 8	4 37	1 40	2 1	9 11	0 27	8 30	0 5	23 56	0 19	12 14	2 3	20 22	0 40	8 39	1 49	31 31	8 43	5 1	5 0	11 54		n.a.	W15
T 16	7 17	18 39	5 5	0 49	1 54	9 40	0 25	8 46	0 4	23 56	0 19	12 12	2 3	20 21	0 40	8 39	1 49	31 32	8 43	5 1	4 58	11 52		n.a.	T 16
F 17	7 39	18 4	5 17	0n 3	1 47	10 9	0 22	9 3	0 4	23 56	0 19	12 10	2 4	20 21	0 40	8 40	1 49	31 32	8 43	5 0	4 57	11 51		n.a.	F 17
S 18	8 1	16 23	5 10	0 56	1 39	10 38	0 20	9 19	0 3	23 56	0 20	12 7	2 4	20 21	0 40	8 40	1 49	31 32	8 43	5 0	4 56	11 49		n.a.	S 18
S 19	8 23	13 41	4 44	1 50	1 30	11 7	0 18	9 35	0 3	23 56	0 20	12 5	2 4	20 21	0 40	8 41	1 49	31 32	8 44	5 0	4 55	11 48		n.a.	S 19
M20	8 45	10 7	4 0	2 45	1 21	11 35	0 15	9 51	0 2	23 56	0 20	12 3	2 4	20 20	0 40	8 41	1 49	31 33	8 44	5 1	4 53	11 46		n.a.	M20
T 21	9 6	5 56	3 0	3 41	1 12	12 3	0 13	10 7	0 1	23 57	0 20	12 1	2 4	20 20	0 40	8 42	1 49	31 33	8 44	5 1	4 52	11 44		n.a.	T 21
W22	9 28	1 23	1 49	4 38	1 2	12 31	0 11	10 22	0 1	23 57	0 20	11 59	2 5	20 20	0 40	8 42	1 49	31 33	8 45	5 1	4 51	11 43		n.a.	W22
T 23	9 49	3n14	0 32	5 36	0 52	12 59	0 8	10 38	0 0	23 57	0 21	11 57	2 5	20 20	0 40	8 42	1 49	31 34	8 45	5 2	4 50	11 41		n.a.	T 23
F 24	10 11	7 36	0s47	6 34	0 42	13 26	0 6	10 54	0n 0	23 57	0 21	11 55	2 5	20 19	0 40	8 43	1 49	31 34	8 45	5 2	4 48	11 40		n.a.	F 24
S 25	10 32	11 29	2 1	7 32	0 32	13 53	0 3	11 9	0 1	23 57	0 21	11 54	2 5	20 19	0 40	8 43	1 49	31 34	8 46	5 1	4 47	11 38		n.a.	S 25
S 26	10 52	14 39	3 7	8 30	0 21	14 20	0 1	11 25	0 2	23 57	0 21	11 52	2 5	20 19	0 40	8 44	1 48	31 34	8 46	5 1	4 46	11 37		n.a.	S 26
M27	11 13	16 57	4 1	9 29	0 11	14 46	0n 1	11 40	0 2	23 57	0 21	11 50	2 6	20 19	0 40	8 44	1 48	31 35	8 46	5 0	4 45	11 35		n.a.	M27
T 28	11 34	18 17	4 41	10 26	0 0	15 12	0 4	11 55	0 3	23 57	0 22	11 48	2 6	20 19	0 40	8 44	1 48	31 35	8 46	4 59	4 43	11 34		n.a.	T 28
W29	11 54	18 40	5 5	11 24	0n10	15 37	0 6	12 10	0 3	23 58	0 22	11 46	2 6	20 18	0 40	8 45	1 48	31 35	8 47	4 58	4 42	11 32		n.a.	W29
T 30	12n14	18n 8	5s15	12n21	0n21	16n 3	0n 9	12n25	0n 4	23s58	0s22	11s44	2s 6	20s18	0s40	8n45	1n48	31s36	8s47	4s57	4s41	11n30		n.a.	T 30

Julian Day Number = 1471317.5, Delta T = 05h30m43s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'50, Lahiri = -13°24'49 Julian Calendar 1 Apr. 685 BCE == Greg. Calendar 25 March 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

MAY 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 7 18	2♉40'45	22♋24	3♉17	14♉ 3	2♉44	6♑49	5♓ 9	3♒30	12°R10	15°R22	12°R21	11♎38	18♌52	n.a.	F 1
S 2	14 11 14	3°38'00	4♌23	5°29	15°16	3°25	6°R49	5°15	3°30	12♍10	15♑22	12°D20	11°34	18°59	n.a.	S 2
S 3	14 15 11	4°35'15	16°15	7°40	16°30	4° 6	6°49	5°20	3°31	12° 9	15°21	12♎21	11°31	19° 6	n.a.	S 3
M 4	14 19 7	5°32'29	28° 7	9°51	17°43	4°46	6°49	5°25	3°32	12° 8	15°21	12°22	11°28	19°13	n.a.	M 4
T 5	14 23 4	6°29'41	10♍ 2	12° 1	18°57	5°27	6°48	5°30	3°32	12° 7	15°21	12°24	11°25	19°19	n.a.	T 5
W 6	14 27 1	7°26'53	22° 6	14°10	20°10	6° 8	6°48	5°35	3°33	12° 6	15°21	12°25	11°22	19°26	n.a.	W 6
T 7	14 30 57	8°24'03	4♎21	16°17	21°24	6°49	6°47	5°39	3°33	12° 5	15°20	12°26	11°18	19°33	n.a.	T 7
F 8	14 34 54	9°21'13	16°51	18°23	22°37	7°29	6°46	5°44	3°33	12° 5	15°20	12°R27	11°15	19°39	n.a.	F 8
S 9	14 38 50	10°18'22	29°38	20°28	23°51	8°10	6°45	5°49	3°34	12° 4	15°19	12°25	11°12	19°46	n.a.	S 9
S 10	14 42 47	11°15'31	12♏42	22°30	25° 4	8°51	6°43	5°54	3°34	12° 3	15°19	12°23	11° 9	19°53	n.a.	S 10
M11	14 46 43	12°12'39	26° 3	24°31	26°18	9°31	6°42	5°58	3°34	12° 3	15°19	12°19	11° 6	19°59	n.a.	M11
T 12	14 50 40	13° 9'47	9♐40	26°29	27°31	10°12	6°40	6° 3	3°35	12° 2	15°18	12°15	11° 3	20° 6	n.a.	T 12
W13	14 54 36	14° 6'54	23°30	28°26	28°45	10°52	6°38	6° 7	3°35	12° 2	15°18	12°10	10°59	20°13	n.a.	W13
T 14	14 58 33	15° 4'01	7♑30	0♊20	29°58	11°32	6°36	6°11	3°35	12° 1	15°17	12° 6	10°56	20°19	n.a.	T 14
F 15	15 2 30	16° 1'08	21°37	2°12	1♊11	12°13	6°34	6°15	3°35	12° 0	15°17	12° 3	10°53	20°26	n.a.	F 15
S 16	15 6 26	16°58'14	5♒48	4° 2	2°25	12°53	6°31	6°20	3°R35	12° 0	15°16	12° 1	10°50	20°33	n.a.	S 16
S 17	15 10 23	17°55'21	20° 0	5°49	3°38	13°33	6°29	6°24	3°35	12° 0	15°16	12°D 0	10°47	20°40	n.a.	S 17
M18	15 14 19	18°52'28	4♓12	7°34	4°52	14°14	6°26	6°28	3°35	11°59	15°15	12° 1	10°43	20°46	n.a.	M18
T 19	15 18 16	19°49'34	18°20	9°17	6° 5	14°54	6°23	6°31	3°35	11°59	15°14	12° 2	10°40	20°53	n.a.	T 19
W20	15 22 12	20°46'41	2♈25	10°58	7°18	15°34	6°20	6°35	3°34	11°58	15°14	12° 3	10°37	21° 0	n.a.	W20
T 21	15 26 9	21°43'47	16°22	12°36	8°32	16°14	6°16	6°39	3°34	11°58	15°13	12°R 4	10°34	21° 6	n.a.	T 21
F 22	15 30 5	22°40'54	0♉12	14°12	9°45	16°54	6°13	6°43	3°34	11°58	15°12	12° 2	10°31	21°13	n.a.	F 22
S 23	15 34 2	23°38'00	13°50	15°46	10°58	17°35	6° 9	6°46	3°34	11°57	15°12	11°59	10°28	21°20	n.a.	S 23
S 24	15 37 59	24°35'07	27°14	17°17	12°12	18°15	6° 5	6°50	3°33	11°57	15°11	11°54	10°24	21°26	n.a.	S 24
M25	15 41 55	25°32'13	10♊24	18°46	13°25	18°55	6° 1	6°53	3°33	11°57	15°10	11°47	10°21	21°33	n.a.	M25
T 26	15 45 52	26°29'20	23°17	20°13	14°38	19°35	5°57	6°56	3°32	11°57	15° 9	11°40	10°18	21°40	n.a.	T 26
W27	15 49 48	27°26'26	5♋53	21°37	15°52	20°14	5°52	6°59	3°32	11°57	15° 9	11°32	10°15	21°46	n.a.	W27
T 28	15 53 45	28°23'32	18°14	22°58	17° 5	20°54	5°48	7° 2	3°31	11°57	15° 8	11°25	10°12	21°53	n.a.	T 28
F 29	15 57 41	29°20'38	0♌21	24°18	18°18	21°34	5°43	7° 5	3°31	11°56	15° 7	11°19	10° 9	22° 0	n.a.	F 29
S 30	16 1 38	0♊17'44	12°19	25°34	19°31	22°14	5°38	7° 8	3°30	11°56	15° 6	11°16	10° 5	22° 7	n.a.	S 30
S 31	16 5 35	1♊14'49	24♌11	26♊48	20♊45	22♉54	5♑33	7♓11	3♒29	11°D56	15♑ 5	11♎14	10♎ 2	22♌13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n34	16n47	5s11	13n16	0n31	16n27	0n11	12n40	0n 5	23s58	0s22	11s43	2s 7	20s18	0s41	8n45	1n48	31s36	8s47	4s57	4s40	11n29		n.a.
S 2	12 54	14 42	4 52	14 11	0 41	16 52	0 14	12 55	0 5	23 58	0 22	11 41	2 7	20 18	0 41	8 46	1 48	31 36	8 48	4 57	4 38	11 27		n.a.
S 3	13 14	12 1	4 22	15 4	0 51	17 16	0 16	13 9	0 6	23 58	0 23	11 39	2 7	20 18	0 41	8 46	1 48	31 37	8 48	4 57	4 37	11 26		n.a.
M 4	13 33	8 51	3 40	15 55	1 0	17 39	0 18	13 24	0 6	23 59	0 23	11 37	2 7	20 18	0 41	8 46	1 48	31 37	8 48	4 57	4 36	11 24		n.a.
T 5	13 52	5 18	2 49	16 45	1 9	18 2	0 21	13 38	0 7	23 59	0 23	11 36	2 7	20 18	0 41	8 46	1 48	31 37	8 48	4 58	4 35	11 23		n.a.
W 6	14 11	1 30	1 50	17 32	1 17	18 25	0 23	13 52	0 8	23 59	0 23	11 34	2 8	20 18	0 41	8 47	1 48	31 38	8 49	4 58	4 33	11 21		n.a.
T 7	14 30	2s26	0 44	18 18	1 25	18 47	0 26	14 7	0 8	23 59	0 23	11 33	2 8	20 18	0 41	8 47	1 48	31 38	8 49	4 59	4 32	11 20		n.a.
F 8	14 49	6 20	0n24	19 1	1 32	19 8	0 28	14 21	0 9	24 0	0 24	11 31	2 8	20 17	0 41	8 47	1 48	31 38	8 49	4 59	4 31	11 18		n.a.
S 9	15 7	10 3	1 33	19 42	1 39	19 29	0 30	14 34	0 9	24 0	0 24	11 29	2 8	20 17	0 41	8 47	1 48	31 39	8 50	4 59	4 30	11 16		n.a.
S 10	15 25	13 21	2 38	20 20	1 44	19 50	0 33	14 48	0 10	24 0	0 24	11 28	2 9	20 17	0 41	8 48	1 48	31 39	8 50	4 58	4 28	11 15		n.a.
M11	15 43	16 2	3 36	20 56	1 50	20 10	0 35	15 2	0 11	24 0	0 24	11 26	2 9	20 17	0 41	8 48	1 48	31 39	8 50	4 56	4 27	11 13		n.a.
T 12	16 1	17 52	4 23	21 29	1 54	20 29	0 37	15 15	0 11	24 1	0 25	11 25	2 9	20 17	0 41	8 48	1 48	31 40	8 50	4 54	4 26	11 12		n.a.
W13	16 18	18 42	4 56	22 0	1 58	20 48	0 40	15 29	0 12	24 1	0 25	11 24	2 9	20 17	0 41	8 48	1 48	31 40	8 51	4 53	4 24	11 10		n.a.
T 14	16 35	18 23	5 11	22 28	2 1	21 7	0 42	15 42	0 12	24 1	0 25	11 22	2 10	20 17	0 41	8 48	1 48	31 40	8 51	4 51	4 23	11 8		n.a.
F 15	16 52	16 57	5 8	22 54	2 3	21 24	0 44	15 55	0 13	24 2	0 25	11 21	2 10	20 17	0 41	8 48	1 48	31 41	8 51	4 50	4 22	11 7		n.a.
S 16	17 8	14 28	4 46	23 18	2 5	21 42	0 47	16 8	0 14	24 2	0 25	11 20	2 10	20 17	0 41	8 49	1 48	31 41	8 51	4 49	4 21	11 5		n.a.
S 17	17 25	11 8	4 6	23 39	2 6	21 58	0 49	16 21	0 14	24 2	0 26	11 18	2 10	20 17	0 41	8 49	1 48	31 41	8 52	4 49	4 19	11 4		n.a.
M18	17 41	7 8	3 12	23 57	2 6	22 14	0 51	16 34	0 15	24 3	0 26	11 17	2 11	20 18	0 41	8 49	1 48	31 42	8 52	4 49	4 18	11 2		n.a.
T 19	17 56	2 45	2 6	24 13	2 6	22 30	0 53	16 47	0 15	24 3	0 26	11 16	2 11	20 18	0 41	8 49	1 47	31 42	8 52	4 49	4 17	11 1		n.a.
W20	18 12	1n46	0 52	24 27	2 5	22 44	0 55	16 59	0 16	24 4	0 26	11 15	2 11	20 18	0 41	8 49	1 47	31 42	8 52	4 50	4 16	10 59		n.a.
T 21	18 27	6 10	0s23	24 39	2 3	22 59	0 57	17 11	0 16	24 4	0 26	11 13	2 11	20 18	0 41	8 49	1 47	31 43	8 53	4 50	4 14	10 57		n.a.
F 22	18 42	10 11	1 37	24 49	2 0	23 12	0 59	17 24	0 17	24 4	0 27	11 12	2 12	20 18	0 41	8 49	1 47	31 43	8 53	4 49	4 13	10 56		n.a.
S 23	18 57	13 37	2 44	24 57	1 57	23 25	1 1	17 36	0 18	24 5	0 27	11 11	2 12	20 18	0 41	8 49	1 47	31 43	8 53	4 48	4 12	10 54		n.a.
S 24	19 11	16 15	3 40	25 3	1 54	23 37	1 3	17 48	0 18	24 5	0 27	11 10	2 12	20 18	0 41	8 49	1 47	31 44	8 53	4 46	4 11	10 53		n.a.
M25	19 25	17 58	4 24	25 6	1 49	23 48	1 5	17 59	0 19	24 5	0 27	11 9	2 12	20 18	0 41	8 49	1 47	31 44	8 54	4 43	4 9	10 51		n.a.
T 26	19 38	18 44	4 53	25 9	1 44	23 59	1 7	18 11	0 19	24 6	0 28	11 8	2 13	20 18	0 41	8 49	1 47	31 44	8 54	4 40	4 8	10 49		n.a.
W27	19 52	18 32	5 7	25 9	1 39	24 9	1 9	18 22	0 20	24 6	0 28	11 7	2 13	20 19	0 42	8 49	1 47	31 45	8 54	4 37	4 7	10 48		n.a.
T 28	20 5	17 28	5 6	25 8	1 33	24 19	1 11	18 34	0 20	24 7	0 28	11 6	2 13	20 19	0 42	8 49	1 47	31 45	8 54	4 35	4 6	10 46		n.a.
F 29	20 18	15 37	4 51	25 5	1 26	24 27	1 12	18 45	0 21	24 7	0 28	11 5	2 14	20 19	0 42	8 49	1 47	31 45	8 55	4 32	4 4	10 45		n.a.
S 30	20 30	13 7	4 24	25 1	1 19	24 35	1 14	18 56	0 22	24 8	0 28	11 5	2 14	20 19	0 42	8 49	1 47	31 46	8 55	4 31	4 3	10 43		n.a.
S 31	20n42	10n 6	3s46	24n55	1n11	24n42	1n16	19n 7	0n22	24s 8	0s29	11s 4	2s14	20s19	0s42	8n49	1n47	31s46	8s55	4s30	4s 2	10n41		n.a.

Julian Day Number = 1471347.5, Delta T = 05h30m41s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'46, Lahiri = -13°24'45 Julian Calendar 1 May 685 BCE == Greg. Calendar 24 Apr. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

JUNE 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 9 31	2♊11'55	6♍ 2	27♊59	21♊58	23♉34	5°R28	7♓14	3°R29	11♍56	15°R 4	11°D14	9♎59	22♌20	n.a.	M 1
T 2	16 13 28	3° 9'00	17°57	29° 8	23°11	24°13	5♑22	7°16	3♒28	11°56	15♑ 3	11♎14	9°56	22°27	n.a.	T 2
W 3	16 17 24	4° 6'05	0♎ 1	0♋14	24°24	24°53	5°17	7°19	3°27	11°57	15° 2	11°15	9°53	22°33	n.a.	W 3
T 4	16 21 21	5° 3'10	12°20	1°17	25°38	25°33	5°11	7°21	3°26	11°57	15° 2	11°R16	9°49	22°40	n.a.	T 4
F 5	16 25 17	6° 0'16	24°57	2°17	26°51	26°12	5° 6	7°24	3°25	11°57	15° 1	11°15	9°46	22°47	n.a.	F 5
S 6	16 29 14	6°57'21	7♏55	3°13	28° 4	26°52	5° 0	7°26	3°24	11°57	15° 0	11°12	9°43	22°53	n.a.	S 6
S 7	16 33 10	7°54'27	21°16	4° 7	29°17	27°31	4°54	7°28	3°23	11°57	14°59	11° 7	9°40	23° 0	n.a.	S 7
M 8	16 37 7	8°51'33	4♐59	4°57	0♋30	28°11	4°47	7°30	3°22	11°57	14°58	11° 0	9°37	23° 7	n.a.	M 8
T 9	16 41 4	9°48'40	19° 2	5°44	1°43	28°50	4°41	7°32	3°21	11°58	14°57	10°51	9°34	23°13	n.a.	T 9
W10	16 45 0	10°45'47	3♑19	6°27	2°56	29°30	4°35	7°34	3°20	11°58	14°56	10°42	9°30	23°20	n.a.	W10
T 11	16 48 57	11°42'55	17°45	7° 7	4°10	0♊ 9	4°28	7°35	3°19	11°58	14°54	10°33	9°27	23°27	n.a.	T 11
F 12	16 52 53	12°40'03	2♒15	7°43	5°23	0°48	4°22	7°37	3°18	11°59	14°53	10°26	9°24	23°33	n.a.	F 12
S 13	16 56 50	13°37'12	16°41	8°14	6°36	1°28	4°15	7°39	3°16	11°59	14°52	10°21	9°21	23°40	n.a.	S 13
S 14	17 0 46	14°34'22	1♓ 1	8°42	7°49	2° 7	4° 8	7°40	3°15	11°59	14°51	10°18	9°18	23°47	n.a.	S 14
M15	17 4 43	15°31'33	15°10	9° 5	9° 2	2°46	4° 1	7°41	3°14	12° 0	14°50	10°D18	9°15	23°54	n.a.	M15
T 16	17 8 39	16°28'45	29° 9	9°24	10°15	3°25	3°54	7°43	3°12	12° 0	14°49	10°18	9°11	24° 0	n.a.	T 16
W17	17 12 36	17°25'57	12♈57	9°38	11°28	4° 5	3°47	7°44	3°11	12° 1	14°48	10°R18	9° 8	24° 7	n.a.	W17
T 18	17 16 33	18°23'11	26°33	9°47	12°41	4°44	3°40	7°45	3° 9	12° 2	14°47	10°17	9° 5	24°14	n.a.	T 18
F 19	17 20 29	19°20'26	9♉59	9°R51	13°54	5°23	3°33	7°46	3° 8	12° 2	14°45	10°14	9° 2	24°20	n.a.	F 19
S 20	17 24 26	20°17'42	23°14	9°51	15° 7	6° 2	3°25	7°46	3° 6	12° 3	14°44	10° 8	8°59	24°27	n.a.	S 20
S 21	17 28 22	21°14'59	6♊17	9°46	16°20	6°41	3°18	7°47	3° 5	12° 3	14°43	9°59	8°55	24°34	n.a.	S 21
M22	17 32 19	22°12'16	19° 8	9°35	17°33	7°20	3°10	7°48	3° 3	12° 4	14°42	9°49	8°52	24°40	n.a.	M22
T 23	17 36 15	23° 9'35	1♋47	9°20	18°46	7°59	3° 3	7°48	3° 2	12° 5	14°41	9°36	8°49	24°47	n.a.	T 23
W24	17 40 12	24° 6'55	14°12	8°59	19°59	8°38	2°55	7°49	3° 0	12° 6	14°39	9°24	8°46	24°54	n.a.	W24
T 25	17 44 9	25° 4'15	26°26	8°34	21°12	9°17	2°47	7°49	2°58	12° 6	14°38	9°12	8°43	25° 0	n.a.	T 25
F 26	17 48 5	26° 1'36	8♌29	8° 4	22°25	9°56	2°40	7°49	2°56	12° 7	14°37	9° 2	8°40	25° 7	n.a.	F 26
S 27	17 52 2	26°58'58	20°23	7°31	23°37	10°35	2°32	7°R49	2°55	12° 8	14°36	8°55	8°36	25°14	n.a.	S 27
S 28	17 55 58	27°56'21	2♍13	6°53	24°50	11°14	2°24	7°49	2°53	12° 9	14°34	8°50	8°33	25°20	n.a.	S 28
M29	17 59 55	28°53'44	14° 2	6°12	26° 3	11°53	2°17	7°49	2°51	12°10	14°33	8°47	8°30	25°27	n.a.	M29
T 30	18 3 51	29♊51'09	25♍55	5♋29	27♋16	12♊31	2♑ 9	7♓49	2♒49	12♍11	14♑32	8°D47	8♎27	25♌34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n54	6n40	2s58	24n48	1n 2	24n49	1n17	19n17	0n23	24s 8	0s29	11s 3	2s14	20s19	0s42	8n49	1n47	31s46	8s55	4s30	4s 0	10n40		n.a.
T 2	21 5	2 57	2 2	24 40	0 54	24 55	1 19	19 28	0 23	24 9	0 29	11 2	2 15	20 20	0 42	8 49	1 47	31 47	8 56	4 30	3 59	10 38		n.a.
W 3	21 16	0s56	1 0	24 31	0 44	25 0	1 20	19 38	0 24	24 9	0 29	11 2	2 15	20 20	0 42	8 49	1 47	31 47	8 56	4 31	3 58	10 37		n.a.
T 4	21 26	4 51	0n 6	24 20	0 34	25 4	1 22	19 49	0 24	24 10	0 29	11 1	2 15	20 20	0 42	8 49	1 47	31 47	8 56	4 31	3 57	10 35		n.a.
F 5	21 37	8 40	1 13	24 9	0 24	25 7	1 23	19 59	0 25	24 10	0 30	11 0	2 16	20 20	0 42	8 49	1 47	31 48	8 56	4 31	3 55	10 33		n.a.
S 6	21 47	12 10	2 18	23 57	0 13	25 10	1 25	20 9	0 26	24 11	0 30	11 0	2 16	20 21	0 42	8 49	1 47	31 48	8 57	4 29	3 54	10 32		n.a.
S 7	21 56	15 9	3 17	23 44	0 2	25 12	1 26	20 18	0 26	24 11	0 30	10 59	2 16	20 21	0 42	8 49	1 46	31 48	8 57	4 27	3 53	10 30		n.a.
M 8	22 5	17 23	4 7	23 31	0s10	25 14	1 27	20 28	0 27	24 11	0 30	10 59	2 16	20 21	0 42	8 49	1 46	31 49	8 57	4 25	3 52	10 29		n.a.
T 9	22 14	18 37	4 43	23 16	0 22	25 14	1 28	20 37	0 27	24 12	0 30	10 58	2 17	20 22	0 42	8 48	1 46	31 49	8 57	4 21	3 50	10 27		n.a.
W10	22 22	18 42	5 2	23 2	0 35	25 14	1 29	20 47	0 28	24 12	0 31	10 58	2 17	20 22	0 42	8 48	1 46	31 49	8 57	4 17	3 49	10 25		n.a.
T 11	22 30	17 35	5 2	22 47	0 48	25 13	1 30	20 56	0 28	24 13	0 31	10 57	2 17	20 22	0 42	8 48	1 46	31 50	8 58	4 14	3 48	10 24		n.a.
F 12	22 38	15 21	4 43	22 32	1 1	25 11	1 31	21 5	0 29	24 13	0 31	10 57	2 18	20 22	0 42	8 48	1 46	31 50	8 58	4 11	3 47	10 22		n.a.
S 13	22 45	12 9	4 6	22 16	1 15	25 9	1 32	21 13	0 29	24 14	0 31	10 57	2 18	20 23	0 42	8 48	1 46	31 50	8 58	4 9	3 45	10 20		n.a.
S 14	22 52	8 15	3 13	22 1	1 29	25 5	1 33	21 22	0 30	24 14	0 31	10 57	2 18	20 23	0 42	8 47	1 46	31 50	8 58	4 8	3 44	10 19		n.a.
M15	22 59	3 56	2 10	21 45	1 43	25 1	1 34	21 30	0 31	24 14	0 32	10 56	2 18	20 23	0 42	8 47	1 46	31 51	8 58	4 8	3 43	10 17		n.a.
T 16	23 5	0n34	0 59	21 30	1 57	24 57	1 35	21 39	0 31	24 15	0 32	10 56	2 19	20 24	0 42	8 47	1 46	31 51	8 58	4 8	3 41	10 16		n.a.
W17	23 10	4 58	0s14	21 15	2 11	24 51	1 35	21 47	0 32	24 15	0 32	10 56	2 19	20 24	0 42	8 47	1 46	31 51	8 59	4 8	3 40	10 14		n.a.
T 18	23 16	9 4	1 25	21 0	2 25	24 45	1 36	21 54	0 32	24 16	0 32	10 56	2 19	20 25	0 42	8 46	1 46	31 52	8 59	4 8	3 39	10 12		n.a.
F 19	23 20	12 38	2 31	20 45	2 39	24 38	1 36	22 2	0 33	24 16	0 32	10 56	2 20	20 25	0 42	8 46	1 46	31 52	8 59	4 6	3 38	10 11		n.a.
S 20	23 25	15 30	3 27	20 32	2 53	24 30	1 37	22 10	0 33	24 16	0 33	10 56	2 20	20 25	0 42	8 46	1 46	31 52	8 59	4 4	3 36	10 9		n.a.
S 21	23 29	17 32	4 11	20 18	3 7	24 22	1 37	22 17	0 34	24 17	0 33	10 56	2 20	20 26	0 42	8 46	1 46	31 53	8 59	4 1	3 35	10 7		n.a.
M22	23 33	18 38	4 42	20 6	3 20	24 13	1 37	22 24	0 34	24 17	0 33	10 56	2 20	20 26	0 42	8 45	1 46	31 53	8 59	3 56	3 34	10 6		n.a.
T 23	23 36	18 47	4 58	19 54	3 33	24 3	1 38	22 31	0 35	24 18	0 33	10 56	2 21	20 27	0 42	8 45	1 46	31 53	9 0	3 51	3 33	10 4		n.a.
W24	23 39	18 2	5 0	19 44	3 45	23 53	1 38	22 38	0 35	24 18	0 33	10 56	2 21	20 27	0 42	8 45	1 46	31 54	9 0	3 46	3 31	10 3		n.a.
T 25	23 41	16 27	4 48	19 34	3 56	23 41	1 38	22 45	0 36	24 18	0 34	10 56	2 21	20 27	0 42	8 44	1 46	31 54	9 0	3 42	3 30	10 1		n.a.
F 26	23 43	14 10	4 23	19 25	4 7	23 29	1 38	22 51	0 37	24 19	0 34	10 56	2 22	20 28	0 42	8 44	1 45	31 54	9 0	3 38	3 29	9 59		n.a.
S 27	23 44	11 19	3 47	19 18	4 16	23 17	1 38	22 57	0 37	24 19	0 34	10 57	2 22	20 28	0 43	8 44	1 45	31 54	9 0	3 35	3 28	9 58		n.a.
S 28	23 46	8 1	3 1	19 12	4 24	23 4	1 38	23 4	0 38	24 19	0 34	10 57	2 22	20 29	0 43	8 43	1 45	31 55	9 0	3 33	3 26	9 56		n.a.
M29	23 46	4 25	2 7	19 8	4 30	22 50	1 37	23 9	0 38	24 19	0 34	10 57	2 22	20 29	0 43	8 43	1 45	31 55	9 0	3 32	3 25	9 54		n.a.
T 30	23n46	0n37	1s 8	19n 4	4s35	22n35	1n37	23n15	0n39	24s20	0s34	10s58	2s23	20s30	0s43	8n42	1n45	31s55	9s 1	3s32	3s24	9n53		n.a.

Julian Day Number = 1471378.5, Delta T = 05h30m40s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'42, Lahiri = -13°24'41 Julian Calendar 1 June 685 BCE == Greg. Calendar 25 May 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

JULY 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 7 48	0♋48'34	7♎58	4°R43	28♋29	13♊10	2°R 1	7°R48	2°R47	12♍12	14°R31	8°R47	8♎24	25♌40	n.a.	W 1
T 2	18 11 44	1°46'00	20°16	3♋57	29°41	13°49	1♉53	7♓48	2♒45	12°13	14♉29	8♎46	8°21	25°47	n.a.	T 2
F 3	18 15 41	2°43'27	2♏54	3°10	0♌54	14°28	1°45	7°47	2°43	12°14	14°28	8°45	8°17	25°54	n.a.	F 3
S 4	18 19 38	3°40'55	15°57	2°23	2° 7	15° 6	1°38	7°47	2°41	12°15	14°27	8°41	8°14	26° 1	n.a.	S 4
S 5	18 23 34	4°38'24	29°26	1°38	3°20	15°45	1°30	7°46	2°39	12°16	14°25	8°34	8°11	26° 7	n.a.	S 5
M 6	18 27 31	5°35'54	13♐22	0°56	4°32	16°24	1°22	7°45	2°37	12°17	14°24	8°26	8° 8	26°14	n.a.	M 6
T 7	18 31 27	6°33'26	27°43	0°16	5°45	17° 2	1°14	7°44	2°35	12°18	14°23	8°15	8° 5	26°21	n.a.	T 7
W 8	18 35 24	7°30'59	12♑23	29♊40	6°58	17°41	1° 7	7°43	2°33	12°19	14°21	8° 4	8° 1	26°27	n.a.	W 8
T 9	18 39 20	8°28'33	27°14	29° 9	8°10	18°19	0°59	7°42	2°31	12°20	14°20	7°53	7°58	26°34	n.a.	T 9
F 10	18 43 17	9°26'08	12♒ 8	28°44	9°23	18°58	0°51	7°40	2°29	12°22	14°19	7°44	7°55	26°41	n.a.	F 10
S 11	18 47 13	10°23'45	26°55	28°24	10°35	19°36	0°44	7°39	2°27	12°23	14°17	7°37	7°52	26°47	n.a.	S 11
S 12	18 51 10	11°21'24	11♓31	28°11	11°48	20°15	0°36	7°38	2°25	12°24	14°16	7°34	7°49	26°54	n.a.	S 12
M13	18 55 7	12°19'04	25°49	28°D 5	13° 0	20°53	0°29	7°36	2°22	12°25	14°15	7°32	7°46	27° 1	n.a.	M13
T 14	18 59 3	13°16'47	9♈50	28° 5	14°13	21°32	0°21	7°34	2°20	12°27	14°13	7°32	7°42	27° 7	n.a.	T 14
W15	19 3 0	14°14'31	23°32	28°13	15°25	22°10	0°14	7°33	2°18	12°28	14°12	7°32	7°39	27°14	n.a.	W15
T 16	19 6 56	15°12'16	6♉56	28°29	16°38	22°48	0° 6	7°31	2°16	12°29	14°11	7°30	7°36	27°21	n.a.	T 16
F 17	19 10 53	16°10'04	20° 6	28°52	17°50	23°27	29♐59	7°29	2°14	12°31	14° 9	7°27	7°33	27°27	n.a.	F 17
S 18	19 14 49	17° 7'54	3♊ 2	29°23	19° 2	24° 5	29°52	7°27	2°11	12°32	14° 8	7°21	7°30	27°34	n.a.	S 18
S 19	19 18 46	18° 5'45	15°46	0♋ 1	20°15	24°43	29°45	7°24	2° 9	12°34	14° 7	7°12	7°27	27°41	n.a.	S 19
M20	19 22 42	19° 3'38	28°20	0°47	21°27	25°21	29°38	7°22	2° 7	12°35	14° 5	7° 0	7°23	27°47	n.a.	M20
T 21	19 26 39	20° 1'33	10♋43	1°40	22°39	26° 0	29°31	7°20	2° 4	12°37	14° 4	6°47	7°20	27°54	n.a.	T 21
W22	19 30 36	20°59'30	22°56	2°39	23°52	26°38	29°24	7°17	2° 2	12°38	14° 3	6°34	7°17	28° 1	n.a.	W22
T 23	19 34 32	21°57'28	5♌ 0	3°46	25° 4	27°16	29°18	7°15	2° 0	12°40	14° 1	6°22	7°14	28° 7	n.a.	T 23
F 24	19 38 29	22°55'28	16°57	4°58	26°16	27°54	29°11	7°12	1°57	12°41	14° 0	6°11	7°11	28°14	n.a.	F 24
S 25	19 42 25	23°53'30	28°47	6°17	27°28	28°32	29° 5	7°10	1°55	12°43	13°59	6° 3	7° 7	28°21	n.a.	S 25
S 26	19 46 22	24°51'33	10♍35	7°41	28°40	29°10	28°58	7° 7	1°53	12°45	13°58	5°57	7° 4	28°27	n.a.	S 26
M27	19 50 18	25°49'38	22°22	9°10	29°52	29°48	28°52	7° 4	1°50	12°46	13°56	5°54	7° 1	28°34	n.a.	M27
T 28	19 54 15	26°47'44	4♎14	10°44	1♍ 5	0♋26	28°46	7° 1	1°48	12°48	13°55	5°D53	6°58	28°41	n.a.	T 28
W29	19 58 11	27°45'52	16°15	12°22	2°17	1° 4	28°40	6°58	1°45	12°50	13°54	5°54	6°55	28°47	n.a.	W29
T 30	20 2 8	28°44'01	28°31	14° 3	3°29	1°42	28°34	6°55	1°43	12°51	13°52	5°R54	6°52	28°54	n.a.	T 30
F 31	20 6 5	29♋42'12	11♏ 6	15♋48	4♍40	2♋20	28♐29	6♓51	1♒41	12♍53	13♉51	5♎53	6♎48	29♌ 1	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n46	3s16	0s 4	19n 3	4s39	22n20	1n37	23n21	0n39	24s20	0s35	10s58	2s23	20s30	0s43	8n42	1n45	31s56	9s 1	3s32	3s22	9n51		n.a.
T 2	23 46	7 6	1n 1	19 2	4 41	22 4	1 36	23 26	0 40	24 20	0 35	10 58	2 23	20 31	0 43	8 42	1 45	31 56	9 1	3 32	3 21	9 49		n.a.
F 3	23 45	10 43	2 4	19 4	4 41	21 48	1 36	23 31	0 40	24 21	0 35	10 59	2 24	20 31	0 43	8 41	1 45	31 56	9 1	3 31	3 20	9 48		n.a.
S 4	23 43	13 55	3 3	19 7	4 39	21 30	1 35	23 36	0 41	24 21	0 35	10 59	2 24	20 32	0 43	8 41	1 45	31 56	9 1	3 29	3 19	9 46		n.a.
S 5	23 42	16 30	3 54	19 11	4 35	21 13	1 34	23 41	0 41	24 21	0 35	11 0	2 24	20 32	0 43	8 40	1 45	31 57	9 1	3 27	3 17	9 45		n.a.
M 6	23 39	18 13	4 33	19 17	4 30	20 55	1 34	23 46	0 42	24 21	0 35	11 1	2 25	20 33	0 43	8 40	1 45	31 57	9 1	3 23	3 16	9 43		n.a.
T 7	23 37	18 50	4 56	19 24	4 22	20 36	1 33	23 50	0 42	24 22	0 35	11 1	2 25	20 33	0 43	8 39	1 45	31 57	9 1	3 19	3 15	9 41		n.a.
W 8	23 33	18 13	5 0	19 33	4 14	20 16	1 32	23 54	0 43	24 22	0 36	11 2	2 25	20 34	0 43	8 39	1 45	31 57	9 1	3 14	3 14	9 40		n.a.
T 9	23 30	16 22	4 44	19 43	4 3	19 56	1 31	23 58	0 43	24 22	0 36	11 3	2 25	20 34	0 43	8 38	1 45	31 58	9 2	3 10	3 12	9 38		n.a.
F 10	23 26	13 25	4 9	19 54	3 52	19 36	1 30	24 2	0 44	24 22	0 36	11 3	2 26	20 35	0 43	8 38	1 45	31 58	9 2	3 7	3 11	9 36		n.a.
S 11	23 22	9 38	3 17	20 7	3 39	19 15	1 29	24 6	0 44	24 22	0 36	11 4	2 26	20 35	0 43	8 37	1 45	31 58	9 2	3 4	3 10	9 35		n.a.
S 12	23 17	5 18	2 13	20 21	3 25	18 53	1 27	24 9	0 45	24 23	0 36	11 5	2 26	20 36	0 43	8 37	1 45	31 58	9 2	3 2	3 8	9 33		n.a.
M13	23 12	0 45	1 2	20 35	3 10	18 31	1 26	24 13	0 46	24 23	0 36	11 6	2 26	20 36	0 43	8 36	1 45	31 59	9 2	3 2	3 7	9 31		n.a.
T 14	23 6	3n46	0s12	20 51	2 55	18 9	1 25	24 16	0 46	24 23	0 36	11 7	2 27	20 37	0 43	8 36	1 45	31 59	9 2	3 2	3 6	9 30		n.a.
W15	23 0	7 58	1 24	21 7	2 39	17 46	1 23	24 19	0 47	24 23	0 36	11 8	2 27	20 37	0 43	8 35	1 45	31 59	9 2	3 2	3 5	9 28		n.a.
T 16	22 54	11 41	2 29	21 23	2 22	17 22	1 22	24 22	0 47	24 23	0 37	11 9	2 27	20 38	0 43	8 34	1 45	31 59	9 2	3 1	3 3	9 26		n.a.
F 17	22 47	14 44	3 25	21 40	2 6	16 58	1 20	24 24	0 48	24 23	0 37	11 10	2 28	20 38	0 43	8 34	1 45	31 59	9 2	3 0	3 2	9 25		n.a.
S 18	22 40	16 59	4 9	21 57	1 49	16 34	1 18	24 26	0 48	24 23	0 37	11 11	2 28	20 39	0 43	8 33	1 44	32 0	9 2	2 57	3 1	9 23		n.a.
S 19	22 32	18 21	4 40	22 14	1 32	16 9	1 17	24 29	0 49	24 23	0 37	11 12	2 28	20 39	0 43	8 33	1 44	32 0	9 2	2 54	3 0	9 21		n.a.
M20	22 24	18 48	4 57	22 30	1 16	15 44	1 15	24 31	0 49	24 24	0 37	11 13	2 28	20 40	0 43	8 32	1 44	32 0	9 2	2 49	2 58	9 20		n.a.
T 21	22 15	18 21	5 0	22 46	1 0	15 18	1 13	24 32	0 50	24 24	0 37	11 14	2 29	20 40	0 43	8 31	1 44	32 0	9 2	2 44	2 57	9 18		n.a.
W22	22 7	17 3	4 49	23 1	0 44	14 52	1 11	24 34	0 50	24 24	0 37	11 15	2 29	20 41	0 43	8 31	1 44	32 0	9 2	2 39	2 56	9 16		n.a.
T 23	21 57	15 0	4 25	23 15	0 29	14 25	1 9	24 35	0 51	24 24	0 37	11 16	2 29	20 41	0 43	8 30	1 44	32 1	9 2	2 34	2 54	9 15		n.a.
F 24	21 48	12 20	3 49	23 27	0 14	13 59	1 7	24 37	0 51	24 24	0 37	11 17	2 29	20 42	0 43	8 29	1 44	32 1	9 2	2 29	2 53	9 13		n.a.
S 25	21 38	9 12	3 4	23 38	0n 0	13 32	1 4	24 38	0 52	24 24	0 38	11 19	2 30	20 43	0 43	8 29	1 44	32 1	9 2	2 26	2 52	9 11		n.a.
S 26	21 27	5 42	2 10	23 47	0 14	13 4	1 2	24 39	0 52	24 24	0 38	11 20	2 30	20 43	0 43	8 28	1 44	32 1	9 2	2 24	2 51	9 10		n.a.
M27	21 17	1 59	1 11	23 53	0 26	12 36	1 0	24 39	0 53	24 24	0 38	11 21	2 30	20 44	0 43	8 27	1 44	32 1	9 2	2 23	2 49	9 8		n.a.
T 28	21 5	1s51	0 9	23 58	0 38	12 8	0 57	24 40	0 53	24 24	0 38	11 23	2 30	20 44	0 43	8 27	1 44	32 1	9 2	2 22	2 48	9 6		n.a.
W29	20 54	5 38	0n55	24 0	0 49	11 40	0 55	24 40	0 54	24 24	0 38	11 24	2 31	20 45	0 43	8 26	1 44	32 2	9 2	2 22	2 47	9 5		n.a.
T 30	20 42	9 16	1 58	24 0	0 59	11 11	0 52	24 40	0 54	24 24	0 38	11 25	2 31	20 45	0 43	8 25	1 44	32 2	9 2	2 23	2 46	9 3		n.a.
F 31	20n30	12s35	2n56	23n57	1n 8	10n42	0n50	24n40	0n55	24s24	0s38	11s27	2s31	20s46	0s43	8n25	1n44	32s 2	9s 2	2s22	2s44	9n 1		n.a.

Julian Day Number = 1471408.5, Delta T = 05h30m38s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'37, Lahiri = -13°24'37 Julian Calendar 1 July 685 BCE == Greg. Calendar 24 June 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

AUGUST 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 10 1	0♌40'25	24♏ 6	17♋35	5♍52	2♋58	28°R23	6°R48	1°R38	12♍55	13°R50	5°R51	6♎45	29♌ 8	n.a.	S 1
S 2	20 13 58	1°38'39	7♐33	19°25	7° 4	3°36	28♐18	6♓45	1♒36	12°56	13♑49	5♎46	6°42	29°14	n.a.	S 2
M 3	20 17 54	2°36'55	21°31	21°16	8°16	4°14	28°13	6°41	1°33	12°58	13°47	5°40	6°39	29°21	n.a.	M 3
T 4	20 21 51	3°35'13	5♑57	23° 9	9°28	4°52	28° 8	6°38	1°31	13° 0	13°46	5°31	6°36	29°28	n.a.	T 4
W 5	20 25 47	4°33'33	20°46	25° 3	10°40	5°30	28° 3	6°34	1°29	13° 2	13°45	5°22	6°33	29°34	n.a.	W 5
T 6	20 29 44	5°31'54	5♒52	26°57	11°51	6° 7	27°58	6°30	1°26	13° 4	13°44	5°13	6°29	29°41	n.a.	T 6
F 7	20 33 40	6°30'18	21° 4	28°52	13° 3	6°45	27°54	6°27	1°24	13° 6	13°42	5° 5	6°26	29°48	n.a.	F 7
S 8	20 37 37	7°28'43	6♓11	0♌47	14°14	7°23	27°49	6°23	1°21	13° 8	13°41	5° 0	6°23	29°54	n.a.	S 8
S 9	20 41 33	8°27'11	21° 5	2°42	15°26	8° 1	27°45	6°19	1°19	13° 9	13°40	4°57	6°20	0♏ 1	n.a.	S 9
M10	20 45 30	9°25'40	5♈39	4°36	16°38	8°38	27°41	6°15	1°17	13°11	13°39	4°D56	6°17	0° 8	n.a.	M10
T 11	20 49 27	10°24'12	19°50	6°30	17°49	9°16	27°37	6°11	1°14	13°13	13°38	4°57	6°13	0°14	n.a.	T 11
W12	20 53 23	11°22'47	3♉37	8°24	19° 0	9°54	27°33	6° 7	1°12	13°15	13°36	4°58	6°10	0°21	n.a.	W12
T 13	20 57 20	12°21'24	17° 2	10°17	20°12	10°31	27°30	6° 3	1°10	13°17	13°35	4°R58	6° 7	0°28	n.a.	T 13
F 14	21 1 16	13°20'03	0♊ 5	12° 9	21°23	11° 9	27°26	5°59	1° 7	13°19	13°34	4°57	6° 4	0°34	n.a.	F 14
S 15	21 5 13	14°18'44	12°52	14° 0	22°34	11°46	27°23	5°54	1° 5	13°21	13°33	4°53	6° 1	0°41	n.a.	S 15
S 16	21 9 9	15°17'28	25°23	15°50	23°46	12°24	27°20	5°50	1° 3	13°23	13°32	4°47	5°58	0°48	n.a.	S 16
M17	21 13 6	16°16'15	7♋43	17°40	24°57	13° 2	27°17	5°46	1° 0	13°25	13°31	4°40	5°54	0°54	n.a.	M17
T 18	21 17 2	17°15'03	19°53	19°28	26° 8	13°39	27°15	5°42	0°58	13°27	13°30	4°31	5°51	1° 1	n.a.	T 18
W19	21 20 59	18°13'54	1♌55	21°16	27°19	14°17	27°12	5°37	0°56	13°29	13°29	4°22	5°48	1° 8	n.a.	W19
T 20	21 24 56	19°12'47	13°51	23° 2	28°30	14°54	27°10	5°33	0°54	13°31	13°28	4°13	5°45	1°14	n.a.	T 20
F 21	21 28 52	20°11'42	25°42	24°48	29°41	15°31	27° 8	5°28	0°51	13°34	13°27	4° 6	5°42	1°21	n.a.	F 21
S 22	21 32 49	21°10'39	7♍30	26°33	0♎52	16° 9	27° 6	5°24	0°49	13°36	13°26	4° 1	5°38	1°28	n.a.	S 22
S 23	21 36 45	22° 9'38	19°18	28°17	2° 3	16°46	27° 5	5°19	0°47	13°38	13°25	3°58	5°35	1°34	n.a.	S 23
M24	21 40 42	23° 8'39	1♎ 7	29°59	3°13	17°23	27° 3	5°14	0°45	13°40	13°24	3°D56	5°32	1°41	n.a.	M24
T 25	21 44 38	24° 7'42	13° 1	1♍41	4°24	18° 1	27° 2	5°10	0°43	13°42	13°23	3°57	5°29	1°48	n.a.	T 25
W26	21 48 35	25° 6'47	25° 4	3°22	5°35	18°38	27° 1	5° 5	0°41	13°44	13°22	3°58	5°26	1°54	n.a.	W26
T 27	21 52 31	26° 5'54	7♏20	5° 3	6°45	19°15	27° 0	5° 0	0°38	13°46	13°21	4° 0	5°23	2° 1	n.a.	T 27
F 28	21 56 28	27° 5'03	19°53	6°42	7°56	19°53	26°59	4°56	0°36	13°48	13°20	4° 1	5°19	2° 8	n.a.	F 28
S 29	22 0 24	28° 4'14	2♐48	8°20	9° 6	20°30	26°59	4°51	0°34	13°51	13°19	4°R 1	5°16	2°14	n.a.	S 29
S 30	22 4 21	29° 3'27	16° 9	9°58	10°17	21° 7	26°58	4°46	0°32	13°53	13°18	4° 0	5°13	2°21	n.a.	S 30
M31	22 8 18	0♍ 2'42	29♐58	11♍34	11♎27	21♋44	26°D58	4♓41	0♒30	13♍55	13♑18	3♎57	5♎10	2♍28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n17	15s23	3n48	23n51	1n16	10n13	0n47	24n40	0n55	24s24	0s38	11s28	2s31	20s46	0s43	8n24	1n44	32s 2	9s 2	2s21	2s43	9n 0		n.a.
S 2	20 4	17 28	4 29	23 43	1 23	9 43	0 44	24 39	0 56	24 24	0 38	11 30	2 31	20 47	0 43	8 23	1 44	32 2	9 2	2 19	2 42	8 58		n.a.
M 3	19 51	18 35	4 55	23 32	1 29	9 13	0 41	24 39	0 56	24 24	0 38	11 31	2 32	20 48	0 43	8 23	1 44	32 2	9 2	2 17	2 40	8 56		n.a.
T 4	19 37	18 34	5 4	23 18	1 34	8 43	0 39	24 38	0 57	24 24	0 38	11 33	2 32	20 48	0 43	8 22	1 44	32 2	9 2	2 13	2 39	8 55		n.a.
W 5	19 23	17 18	4 54	23 2	1 39	8 13	0 36	24 37	0 57	24 24	0 38	11 34	2 32	20 49	0 43	8 21	1 44	32 2	9 2	2 10	2 38	8 53		n.a.
T 6	19 9	14 50	4 22	22 44	1 42	7 43	0 33	24 36	0 58	24 24	0 38	11 36	2 32	20 49	0 43	8 20	1 44	32 3	9 2	2 6	2 37	8 51		n.a.
F 7	18 54	11 19	3 33	22 23	1 45	7 12	0 30	24 34	0 58	24 24	0 38	11 38	2 32	20 50	0 43	8 20	1 44	32 3	9 2	2 3	2 35	8 50		n.a.
S 8	18 40	7 5	2 28	22 0	1 47	6 42	0 27	24 33	0 59	24 24	0 39	11 39	2 33	20 50	0 43	8 19	1 44	32 3	9 2	2 1	2 34	8 48		n.a.
S 9	18 24	2 27	1 14	21 35	1 48	6 11	0 23	24 31	0 59	24 24	0 39	11 41	2 33	20 51	0 43	8 18	1 44	32 3	9 2	2 0	2 33	8 46		n.a.
M10	18 9	2n13	0s 4	21 8	1 49	5 40	0 20	24 29	1 0	24 24	0 39	11 42	2 33	20 51	0 43	8 17	1 44	32 3	9 2	1 59	2 32	8 44		n.a.
T 11	17 53	6 39	1 19	20 40	1 49	5 8	0 17	24 27	1 0	24 24	0 39	11 44	2 33	20 52	0 43	8 16	1 44	32 3	9 2	2 0	2 30	8 43		n.a.
W12	17 36	10 35	2 28	20 9	1 48	4 37	0 14	24 25	1 1	24 24	0 39	11 46	2 33	20 52	0 43	8 16	1 44	32 3	9 2	2 0	2 29	8 41		n.a.
T 13	17 20	13 51	3 27	19 37	1 47	4 6	0 10	24 22	1 1	24 24	0 39	11 47	2 34	20 53	0 43	8 15	1 44	32 3	9 2	2 0	2 28	8 39		n.a.
F 14	17 3	16 20	4 13	19 4	1 45	3 34	0 7	24 20	1 2	24 24	0 39	11 49	2 34	20 53	0 43	8 14	1 44	32 3	9 2	1 59	2 26	8 38		n.a.
S 15	16 46	17 57	4 45	18 29	1 42	3 2	0 3	24 17	1 2	24 24	0 39	11 51	2 34	20 54	0 43	8 13	1 44	32 3	9 2	1 58	2 25	8 36		n.a.
S 16	16 29	18 38	5 3	17 54	1 40	2 31	0s 0	24 14	1 3	24 24	0 39	11 53	2 34	20 54	0 43	8 13	1 44	32 3	9 2	1 56	2 24	8 34		n.a.
M17	16 11	18 26	5 7	17 17	1 36	1 59	0 4	24 11	1 3	24 24	0 39	11 54	2 34	20 55	0 43	8 12	1 44	32 3	9 2	1 53	2 23	8 33		n.a.
T 18	15 53	17 23	4 57	16 39	1 33	1 27	0 7	24 7	1 4	24 24	0 39	11 56	2 34	20 55	0 43	8 11	1 44	32 3	9 2	1 49	2 21	8 31		n.a.
W19	15 35	15 35	4 33	16 1	1 29	0 55	0 11	24 4	1 4	24 24	0 39	11 58	2 34	20 56	0 43	8 10	1 44	32 3	9 2	1 45	2 20	8 29		n.a.
T 20	15 16	13 7	3 58	15 21	1 25	0 23	0 14	24 0	1 5	24 24	0 39	12 0	2 35	20 56	0 43	8 9	1 44	32 3	9 2	1 42	2 19	8 28		n.a.
F 21	14 57	10 7	3 12	14 41	1 20	0s 9	0 18	23 56	1 5	24 24	0 39	12 2	2 35	20 57	0 43	8 8	1 43	32 4	9 1	1 39	2 18	8 26		n.a.
S 22	14 38	6 44	2 19	14 1	1 15	0 41	0 22	23 52	1 6	24 24	0 39	12 3	2 35	20 57	0 43	8 8	1 43	32 4	9 1	1 37	2 16	8 24		n.a.
S 23	14 19	3 5	1 19	13 20	1 10	1 13	0 25	23 48	1 6	24 24	0 39	12 5	2 35	20 58	0 43	8 7	1 43	32 4	9 1	1 36	2 15	8 22		n.a.
M24	14 0	0s41	0 15	12 38	1 4	1 45	0 29	23 44	1 7	24 24	0 39	12 7	2 35	20 58	0 43	8 6	1 43	32 4	9 1	1 35	2 14	8 21		n.a.
T 25	13 40	4 27	0n49	11 56	0 59	2 17	0 33	23 39	1 7	24 24	0 39	12 9	2 35	20 59	0 43	8 5	1 43	32 4	9 1	1 35	2 12	8 19		n.a.
W26	13 20	8 5	1 53	11 14	0 53	2 48	0 37	23 35	1 8	24 24	0 39	12 11	2 35	20 59	0 43	8 4	1 43	32 4	9 1	1 36	2 11	8 17		n.a.
T 27	13 0	11 26	2 52	10 31	0 47	3 20	0 41	23 30	1 8	24 24	0 39	12 13	2 35	21 0	0 43	8 3	1 43	32 4	9 1	1 37	2 10	8 16		n.a.
F 28	12 39	14 21	3 45	9 48	0 41	3 52	0 44	23 25	1 9	24 24	0 39	12 14	2 35	21 0	0 43	8 3	1 43	32 4	9 1	1 37	2 9	8 14		n.a.
S 29	12 19	16 38	4 28	9 5	0 34	4 24	0 48	23 20	1 9	24 24	0 39	12 16	2 35	21 1	0 43	8 2	1 43	32 4	9 1	1 37	2 7	8 12		n.a.
S 30	11 58	18 6	4 58	8 22	0 28	4 55	0 52	23 14	1 10	24 24	0 39	12 18	2 36	21 1	0 43	8 1	1 43	32 4	9 1	1 37	2 6	8 11		n.a.
M31	11n37	18s35	5n12	7n39	0n21	5s27	0s56	23n 9	1n10	24s24	0s39	12s20	2s36	21s 1	0s43	8n 0	1n43	32s 4	9s 0	1s35	2s 5	8n 9		n.a.

Julian Day Number = 1471439.5, Delta T = 05h30m37s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'33, Lahiri = -13°24'33 Julian Calendar 1 Aug. 685 BCE == Greg. Calendar 25 July 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

SEPTEMBER 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 12 14	1♍ 1'58	14♉15	13♍10	12♎37	22♋21	26♐59	4°R37	0°R28	13♍57	13°R17	3°R53	5♎ 7	2♍34	n.a.	T 1
W 2	22 16 11	2° 1'17	28°58	14°45	13°47	22°58	26°59	4♓32	0♒26	13°59	13♉16	3♎48	5° 4	2°41	n.a.	W 2
T 3	22 20 7	3° 0'37	14♒ 1	16°20	14°58	23°35	26°59	4°27	0°24	14° 2	13°15	3°44	5° 0	2°48	n.a.	T 3
F 4	22 24 4	4° 0'00	29°16	17°53	16° 8	24°12	27° 0	4°22	0°23	14° 4	13°14	3°40	4°57	2°54	n.a.	F 4
S 5	22 28 0	4°59'25	14♓32	19°26	17°17	24°49	27° 1	4°18	0°21	14° 6	13°14	3°37	4°54	3° 1	n.a.	S 5
S 6	22 31 57	5°58'51	29°38	20°58	18°27	25°26	27° 2	4°13	0°19	14° 8	13°13	3°D36	4°51	3° 8	n.a.	S 6
M 7	22 35 53	6°58'20	14♈27	22°29	19°37	26° 3	27° 3	4° 8	0°17	14°10	13°12	3°37	4°48	3°14	n.a.	M 7
T 8	22 39 50	7°57'52	28°52	24° 0	20°47	26°40	27° 5	4° 3	0°15	14°13	13°12	3°38	4°44	3°21	n.a.	T 8
W 9	22 43 46	8°57'26	12♉51	25°30	21°56	27°17	27° 7	3°58	0°14	14°15	13°11	3°39	4°41	3°28	n.a.	W 9
T 10	22 47 43	9°57'02	26°23	26°59	23° 6	27°54	27° 9	3°54	0°12	14°17	13°10	3°41	4°38	3°34	n.a.	T 10
F 11	22 51 40	10°56'41	9♊30	28°27	24°15	28°31	27°11	3°49	0°10	14°19	13°10	3°R41	4°35	3°41	n.a.	F 11
S 12	22 55 36	11°56'22	22°16	29°55	25°24	29° 8	27°13	3°44	0° 9	14°22	13° 9	3°41	4°32	3°48	n.a.	S 12
S 13	22 59 33	12°56'06	4♋43	1♎21	26°33	29°44	27°15	3°40	0° 7	14°24	13° 9	3°39	4°29	3°54	n.a.	S 13
M14	23 3 29	13°55'52	16°55	2°47	27°43	0♏21	27°18	3°35	0° 6	14°26	13° 8	3°37	4°25	4° 1	n.a.	M14
T 15	23 7 26	14°55'40	28°57	4°13	28°51	0°58	27°21	3°30	0° 4	14°28	13° 8	3°34	4°22	4° 8	n.a.	T 15
W16	23 11 22	15°55'31	10♏52	5°37	0♏ 0	1°35	27°24	3°26	0° 3	14°31	13° 7	3°31	4°19	4°14	n.a.	W16
T 17	23 15 19	16°55'23	22°42	7° 1	1° 9	2°11	27°27	3°21	0° 1	14°33	13° 7	3°29	4°16	4°21	n.a.	T 17
F 18	23 19 15	17°55'18	4♍31	8°23	2°18	2°48	27°31	3°16	29♉59	14°35	13° 6	3°26	4°13	4°28	n.a.	F 18
S 19	23 23 12	18°55'15	16°20	9°45	3°26	3°25	27°34	3°12	29°59	14°37	13° 6	3°25	4° 9	4°34	n.a.	S 19
S 20	23 27 9	19°55'15	28°11	11° 5	4°35	4° 1	27°38	3° 7	29°57	14°40	13° 5	3°D24	4° 6	4°41	n.a.	S 20
M21	23 31 5	20°55'16	10♎ 7	12°25	5°43	4°38	27°42	3° 3	29°56	14°42	13° 5	3°24	4° 3	4°48	n.a.	M21
T 22	23 35 2	21°55'19	22°10	13°43	6°51	5°14	27°46	2°58	29°55	14°44	13° 5	3°25	4° 0	4°54	n.a.	T 22
W23	23 38 58	22°55'24	4♏21	15° 1	7°59	5°51	27°51	2°54	29°54	14°46	13° 4	3°26	3°57	5° 1	n.a.	W23
T 24	23 42 55	23°55'30	16°44	16°16	9° 7	6°27	27°55	2°50	29°53	14°48	13° 4	3°27	3°54	5° 8	n.a.	T 24
F 25	23 46 51	24°55'39	29°22	17°31	10°15	7° 3	28° 0	2°46	29°51	14°51	13° 4	3°28	3°50	5°14	n.a.	F 25
S 26	23 50 48	25°55'49	12♐18	18°43	11°23	7°40	28° 5	2°41	29°50	14°53	13° 4	3°28	3°47	5°21	n.a.	S 26
S 27	23 54 44	26°56'01	25°34	19°54	12°30	8°16	28°10	2°37	29°49	14°55	13° 4	3°R28	3°44	5°28	n.a.	S 27
M28	23 58 41	27°56'15	9♑13	21° 3	13°37	8°52	28°15	2°33	29°48	14°57	13° 3	3°28	3°41	5°34	n.a.	M28
T 29	0 2 37	28°56'30	23°16	22°10	14°45	9°29	28°21	2°29	29°48	14°59	13° 3	3°28	3°38	5°41	n.a.	T 29
W30	0 6 34	29♍56'47	7♒42	23♎14	15♏52	10♏ 5	28♐26	2♓25	29♉47	15♍ 2	13♉ 3	3♎28	3♎35	5♍48	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n16	17s54	5n 8	6n55	0n14	5s58	1s 0	23n 3	1n11	24s24	0s39	12s22	2s36	21s 2	0s43	7n59	1n43	32s 3	9s 0	1s34	2s 4	8n 7		n.a.
W 2	10 54	16 2	4 43	6 12	0 8	6 30	1 4	22 57	1 11	24 24	0 39	12 24	2 36	21 2	0 43	7 58	1 43	32 3	9 0	1 32	2 2	8 5		n.a.
T 3	10 33	13 2	3 59	5 29	0 1	7 1	1 8	22 52	1 12	24 24	0 39	12 25	2 36	21 3	0 43	7 57	1 43	32 3	9 0	1 30	2 1	8 4		n.a.
F 4	10 11	9 7	2 57	4 45	0s 6	7 32	1 12	22 45	1 12	24 24	0 39	12 27	2 36	21 3	0 43	7 56	1 43	32 3	9 0	1 29	2 0	8 2		n.a.
S 5	9 49	4 36	1 43	4 2	0 13	8 2	1 15	22 39	1 13	24 24	0 39	12 29	2 36	21 3	0 43	7 56	1 43	32 3	9 0	1 28	1 58	8 0		n.a.
S 6	9 27	0n11	0 22	3 19	0 20	8 33	1 19	22 33	1 13	24 24	0 39	12 31	2 36	21 4	0 43	7 55	1 43	32 3	9 0	1 27	1 57	7 59		n.a.
M 7	9 4	4 52	0s59	2 36	0 27	9 4	1 23	22 26	1 14	24 24	0 39	12 33	2 36	21 4	0 43	7 54	1 43	32 3	9 0	1 27	1 56	7 57		n.a.
T 8	8 42	9 8	2 15	1 54	0 34	9 34	1 27	22 20	1 14	24 24	0 39	12 34	2 36	21 5	0 43	7 53	1 43	32 3	8 59	1 28	1 55	7 55		n.a.
W 9	8 19	12 45	3 20	1 11	0 41	10 4	1 31	22 13	1 15	24 24	0 39	12 36	2 36	21 5	0 43	7 52	1 43	32 3	8 59	1 28	1 53	7 53		n.a.
T 10	7 57	15 33	4 11	0 29	0 48	10 34	1 35	22 6	1 15	24 24	0 39	12 38	2 36	21 5	0 43	7 51	1 43	32 3	8 59	1 29	1 52	7 52		n.a.
F 11	7 34	17 27	4 48	0s13	0 56	11 3	1 39	21 59	1 16	24 24	0 39	12 40	2 36	21 6	0 43	7 50	1 43	32 3	8 59	1 29	1 51	7 50		n.a.
S 12	7 11	18 24	5 9	0 55	1 2	11 33	1 43	21 52	1 16	24 24	0 39	12 42	2 36	21 6	0 43	7 49	1 43	32 3	8 59	1 29	1 49	7 48		n.a.
S 13	6 48	18 26	5 15	1 36	1 9	12 2	1 46	21 44	1 17	24 24	0 39	12 43	2 36	21 6	0 43	7 49	1 43	32 3	8 59	1 28	1 48	7 46		n.a.
M14	6 24	17 36	5 7	2 17	1 16	12 31	1 50	21 37	1 17	24 24	0 39	12 45	2 36	21 7	0 43	7 48	1 43	32 3	8 59	1 28	1 47	7 45		n.a.
T 15	6 1	16 0	4 45	2 58	1 23	12 59	1 54	21 29	1 18	24 24	0 39	12 47	2 36	21 7	0 43	7 47	1 43	32 3	8 58	1 26	1 46	7 43		n.a.
W16	5 38	13 43	4 11	3 38	1 30	13 28	1 58	21 21	1 18	24 24	0 39	12 48	2 36	21 7	0 43	7 46	1 43	32 2	8 58	1 25	1 44	7 41		n.a.
T 17	5 14	10 53	3 27	4 17	1 36	13 56	2 1	21 13	1 19	24 24	0 39	12 50	2 36	21 7	0 43	7 45	1 43	32 2	8 58	1 24	1 43	7 40		n.a.
F 18	4 50	7 37	2 33	4 56	1 43	14 23	2 5	21 5	1 19	24 24	0 39	12 52	2 36	21 8	0 43	7 44	1 43	32 2	8 58	1 23	1 42	7 38		n.a.
S 19	4 27	4 2	1 33	5 35	1 49	14 51	2 9	20 57	1 20	24 25	0 39	12 53	2 36	21 8	0 43	7 43	1 43	32 2	8 58	1 23	1 41	7 36		n.a.
S 20	4 3	0 17	0 29	6 13	1 55	15 18	2 12	20 49	1 20	24 25	0 39	12 55	2 36	21 8	0 43	7 43	1 43	32 2	8 58	1 22	1 39	7 34		n.a.
M21	3 39	3s30	0n37	6 50	2 1	15 45	2 16	20 41	1 20	24 25	0 39	12 57	2 36	21 8	0 42	7 42	1 43	32 2	8 57	1 22	1 38	7 33		n.a.
T 22	3 15	7 10	1 42	7 26	2 7	16 11	2 19	20 32	1 21	24 25	0 39	12 58	2 36	21 9	0 42	7 41	1 43	32 2	8 57	1 22	1 37	7 31		n.a.
W23	2 51	10 35	2 44	8 2	2 13	16 37	2 23	20 23	1 21	24 25	0 39	13 0	2 36	21 9	0 42	7 40	1 43	32 2	8 57	1 23	1 35	7 29		n.a.
T 24	2 27	13 35	3 38	8 36	2 18	17 2	2 26	20 15	1 22	24 25	0 39	13 1	2 36	21 9	0 42	7 39	1 43	32 1	8 57	1 23	1 34	7 27		n.a.
F 25	2 3	16 1	4 24	9 10	2 23	17 28	2 29	20 6	1 22	24 25	0 39	13 3	2 35	21 9	0 42	7 38	1 43	32 1	8 57	1 24	1 33	7 26		n.a.
S 26	1 38	17 41	4 57	9 42	2 28	17 52	2 33	19 57	1 23	24 25	0 39	13 4	2 35	21 10	0 42	7 37	1 44	32 1	8 57	1 24	1 32	7 24		n.a.
S 27	1 14	18 27	5 15	10 14	2 32	18 17	2 36	19 48	1 23	24 25	0 39	13 6	2 35	21 10	0 42	7 37	1 44	32 1	8 56	1 24	1 30	7 22		n.a.
M28	0 50	18 11	5 16	10 44	2 36	18 41	2 39	19 38	1 24	24 25	0 39	13 7	2 35	21 10	0 42	7 36	1 44	32 1	8 56	1 24	1 29	7 21		n.a.
T 29	0 26	16 49	4 59	11 13	2 40	19 4	2 42	19 29	1 24	24 25	0 39	13 8	2 35	21 10	0 42	7 35	1 44	32 1	8 56	1 24	1 28	7 19		n.a.
W30	0n 1	14s22	4n23	11s40	2s43	19s27	2s45	19n20	1n25	24s25	0s39	13s10	2s35	21s10	0s42	7n34	1n44	32s 1	8s56	1s24	1s26	7n17		n.a.

Julian Day Number = 1471470.5, Delta T = 05h30m35s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'29, Lahiri = -13°24'29 Julian Calendar 1 Sept. 685 BCE == Greg. Calendar 25 Aug. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

OCTOBER 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 10 31	0♎57'06	22♒27	24♎15	16♏58	10♌41	28♐32	2°R21	29°R46	15♍ 4	13°R 3	3°R27	3♎31	5♍54	n.a.	T 1
F 2	0 14 27	1°57'26	7♓26	25°13	18° 5	11°17	28°38	2♓17	29♑45	15° 6	13♑ 3	3♎27	3°28	6° 1	n.a.	F 2
S 3	0 18 24	2°57'47	22°32	26° 8	19°12	11°53	28°44	2°14	29°45	15° 8	13° 3	3°27	3°25	6° 8	n.a.	S 3
S 4	0 22 20	3°58'11	7♈35	26°59	20°18	12°29	28°50	2°10	29°44	15°10	13°D 3	3°27	3°22	6°14	n.a.	S 4
M 5	0 26 17	4°58'36	22°27	27°46	21°24	13° 5	28°57	2° 6	29°43	15°12	13° 3	3°27	3°19	6°21	n.a.	M 5
T 6	0 30 13	5°59'03	7♉ 0	28°28	22°30	13°41	29° 3	2° 3	29°43	15°15	13° 3	3°27	3°15	6°28	n.a.	T 6
W 7	0 34 10	6°59'32	21° 9	29° 5	23°35	14°17	29°10	1°59	29°42	15°17	13° 3	3°26	3°12	6°34	n.a.	W 7
T 8	0 38 6	8° 0'03	4♊51	29°35	24°41	14°53	29°17	1°56	29°42	15°19	13° 3	3°26	3° 9	6°41	n.a.	T 8
F 9	0 42 3	9° 0'36	18° 7	29°59	25°46	15°29	29°24	1°53	29°41	15°21	13° 3	3°25	3° 6	6°48	n.a.	F 9
S 10	0 46 0	10° 1'11	0♋57	0♏15	26°51	16° 5	29°31	1°49	29°41	15°23	13° 4	3°25	3° 3	6°54	n.a.	S 10
S 11	0 49 56	11° 1'48	13°27	0°R24	27°56	16°41	29°39	1°46	29°41	15°25	13° 4	3°D25	3° 0	7° 1	n.a.	S 11
M12	0 53 53	12° 2'27	25°39	0°23	29° 0	17°17	29°46	1°43	29°40	15°27	13° 4	3°25	2°56	7° 8	n.a.	M12
T 13	0 57 49	13° 3'08	7♌38	0°13	0♐ 5	17°52	29°54	1°40	29°40	15°29	13° 4	3°26	2°53	7°14	n.a.	T 13
W14	1 1 46	14° 3'50	19°30	29♎53	1° 9	18°28	0♑ 2	1°37	29°40	15°31	13° 4	3°27	2°50	7°21	n.a.	W14
T 15	1 5 42	15° 4'34	1♍18	29°23	2°12	19° 4	0°10	1°34	29°40	15°33	13° 5	3°28	2°47	7°27	n.a.	T 15
F 16	1 9 39	16° 5'20	13° 6	28°42	3°16	19°39	0°18	1°32	29°40	15°35	13° 5	3°29	2°44	7°34	n.a.	F 16
S 17	1 13 35	17° 6'07	24°58	27°51	4°19	20°15	0°26	1°29	29°D40	15°37	13° 5	3°30	2°40	7°41	n.a.	S 17
S 18	1 17 32	18° 6'56	6♎56	26°50	5°22	20°50	0°35	1°27	29°40	15°39	13° 6	3°R30	2°37	7°47	n.a.	S 18
M19	1 21 29	19° 7'47	19° 2	25°41	6°25	21°26	0°43	1°24	29°40	15°41	13° 6	3°30	2°34	7°54	n.a.	M19
T 20	1 25 25	20° 8'39	1♏18	24°25	7°27	22° 1	0°52	1°22	29°40	15°43	13° 7	3°28	2°31	8° 1	n.a.	T 20
W21	1 29 22	21° 9'32	13°46	23° 5	8°29	22°36	1° 1	1°20	29°40	15°45	13° 7	3°26	2°28	8° 7	n.a.	W21
T 22	1 33 18	22°10'26	26°26	21°43	9°30	23°12	1°10	1°17	29°41	15°47	13° 8	3°23	2°25	8°14	n.a.	T 22
F 23	1 37 15	23°11'22	9♐19	20°22	10°32	23°47	1°19	1°15	29°41	15°49	13° 8	3°20	2°21	8°21	n.a.	F 23
S 24	1 41 11	24°12'19	22°27	19° 4	11°32	24°22	1°28	1°14	29°41	15°51	13° 9	3°17	2°18	8°27	n.a.	S 24
S 25	1 45 8	25°13'16	5♑48	17°53	12°33	24°57	1°37	1°12	29°42	15°53	13° 9	3°15	2°15	8°34	n.a.	S 25
M26	1 49 4	26°14'15	19°25	16°49	13°33	25°32	1°47	1°10	29°42	15°54	13°10	3°14	2°12	8°41	n.a.	M26
T 27	1 53 1	27°15'15	3♒18	15°56	14°33	26° 7	1°56	1° 8	29°43	15°56	13°10	3°D14	2° 9	8°47	n.a.	T 27
W28	1 56 58	28°16'15	17°26	15°13	15°32	26°42	2° 6	1° 7	29°43	15°58	13°11	3°14	2° 6	8°54	n.a.	W28
T 29	2 0 54	29°17'16	1♓49	14°42	16°31	27°17	2°16	1° 5	29°44	16° 0	13°12	3°16	2° 2	9° 1	n.a.	T 29
F 30	2 4 51	0♏18'18	16°23	14°22	17°29	27°52	2°26	1° 4	29°45	16° 1	13°12	3°17	1°59	9° 7	n.a.	F 30
S 31	2 8 47	1♏19'20	1♈ 4	14°D14	18♐27	28♌27	2♑36	1♓ 3	29♑45	16♍ 3	13♑13	3°R18	1♎56	9♍14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	0s23	10s56	3n29	12s 6	2s46	19s49	2s48	19n10	1n25	24s25	0s39	13s11	2s35	21s10	0s42	7n33	1n44	32s 0	8s56	1s23	1s25	7n15			n.a.
F 2	0 47	6 44	2 20	12 29	2 48	20 11	2 51	19 1	1 26	24 25	0 39	13 12	2 35	21 10	0 42	7 32	1 44	32 0	8 56	1 23	1 24	7 14			n.a.
S 3	1 12	2 5	1 0	12 51	2 49	20 33	2 54	18 51	1 26	24 26	0 39	13 14	2 35	21 11	0 42	7 31	1 44	32 0	8 55	1 23	1 23	7 12			n.a.
S 4	1 36	2n42	0s23	13 11	2 50	20 54	2 57	18 41	1 27	24 26	0 39	13 15	2 35	21 11	0 42	7 31	1 44	32 0	8 55	1 23	1 21	7 10			n.a.
M 5	2 0	7 15	1 44	13 28	2 50	21 15	2 59	18 31	1 27	24 26	0 39	13 16	2 34	21 11	0 42	7 30	1 44	32 0	8 55	1 23	1 20	7 8			n.a.
T 6	2 25	11 16	2 56	13 43	2 50	21 35	3 2	18 21	1 28	24 26	0 39	13 17	2 34	21 11	0 42	7 29	1 44	32 0	8 55	1 23	1 19	7 7			n.a.
W 7	2 49	14 31	3 56	13 54	2 48	21 54	3 4	18 11	1 28	24 26	0 39	13 18	2 34	21 11	0 42	7 28	1 44	31 59	8 55	1 23	1 17	7 5			n.a.
T 8	3 13	16 49	4 39	14 3	2 45	22 13	3 7	18 1	1 29	24 26	0 39	13 20	2 34	21 11	0 42	7 27	1 44	31 59	8 55	1 23	1 16	7 3			n.a.
F 9	3 37	18 9	5 7	14 8	2 41	22 31	3 9	17 50	1 29	24 26	0 39	13 21	2 34	21 11	0 42	7 27	1 44	31 59	8 54	1 23	1 15	7 1			n.a.
S 10	4 1	18 29	5 18	14 9	2 36	22 49	3 11	17 40	1 30	24 26	0 39	13 22	2 34	21 11	0 42	7 26	1 44	31 59	8 54	1 23	1 14	7 0			n.a.
S 11	4 25	17 54	5 13	14 6	2 29	23 6	3 13	17 29	1 30	24 26	0 39	13 23	2 34	21 11	0 42	7 25	1 44	31 59	8 54	1 23	1 12	6 58			n.a.
M12	4 49	16 29	4 54	13 58	2 21	23 23	3 15	17 19	1 31	24 26	0 39	13 24	2 33	21 11	0 42	7 24	1 44	31 58	8 54	1 23	1 11	6 56			n.a.
T 13	5 13	14 23	4 23	13 46	2 12	23 39	3 17	17 8	1 31	24 26	0 39	13 25	2 33	21 11	0 42	7 23	1 44	31 58	8 54	1 23	1 10	6 54			n.a.
W14	5 37	11 41	3 41	13 28	2 1	23 55	3 19	16 57	1 32	24 26	0 39	13 26	2 33	21 11	0 42	7 23	1 44	31 58	8 53	1 23	1 9	6 53			n.a.
T 15	6 1	8 32	2 49	13 5	1 48	24 10	3 20	16 47	1 32	24 26	0 39	13 26	2 33	21 11	0 42	7 22	1 44	31 58	8 53	1 24	1 7	6 51			n.a.
F 16	6 25	5 2	1 51	12 36	1 33	24 24	3 22	16 36	1 33	24 26	0 39	13 27	2 33	21 11	0 42	7 21	1 44	31 58	8 53	1 24	1 6	6 49			n.a.
S 17	6 49	1 19	0 47	12 2	1 17	24 38	3 23	16 25	1 33	24 26	0 39	13 28	2 33	21 11	0 42	7 20	1 44	31 57	8 53	1 25	1 5	6 47			n.a.
S 18	7 12	2s30	0n19	11 24	0 59	24 51	3 24	16 14	1 34	24 26	0 39	13 29	2 32	21 11	0 42	7 20	1 44	31 57	8 53	1 25	1 3	6 46			n.a.
M19	7 36	6 15	1 25	10 40	0 40	25 3	3 25	16 3	1 34	24 26	0 39	13 29	2 32	21 11	0 42	7 19	1 44	31 57	8 53	1 24	1 2	6 44			n.a.
T 20	7 59	9 47	2 28	9 54	0 19	25 15	3 26	15 51	1 35	24 26	0 39	13 30	2 32	21 11	0 42	7 18	1 44	31 57	8 52	1 24	1 1	6 42			n.a.
W21	8 22	12 56	3 25	9 5	0n 1	25 26	3 27	15 40	1 35	24 26	0 39	13 31	2 32	21 11	0 42	7 18	1 44	31 56	8 52	1 23	1 0	6 40			n.a.
T 22	8 45	15 32	4 12	8 15	0 22	25 36	3 28	15 29	1 36	24 26	0 39	13 31	2 32	21 11	0 42	7 17	1 44	31 56	8 52	1 22	0 58	6 39			n.a.
F 23	9 8	17 25	4 48	7 25	0 42	25 46	3 28	15 18	1 36	24 25	0 39	13 32	2 32	21 11	0 42	7 16	1 44	31 56	8 52	1 20	0 57	6 37			n.a.
S 24	9 31	18 24	5 10	6 37	1 1	25 56	3 29	15 6	1 37	24 25	0 39	13 32	2 31	21 11	0 42	7 15	1 44	31 56	8 52	1 19	0 56	6 35			n.a.
S 25	9 53	18 24	5 15	5 53	1 19	26 4	3 29	14 55	1 37	24 25	0 39	13 33	2 31	21 11	0 41	7 15	1 44	31 56	8 52	1 18	0 54	6 33			n.a.
M26	10 16	17 21	5 3	5 14	1 36	26 12	3 29	14 43	1 38	24 25	0 39	13 33	2 31	21 10	0 41	7 14	1 44	31 55	8 51	1 18	0 53	6 31			n.a.
T 27	10 38	15 16	4 33	4 40	1 50	26 19	3 29	14 32	1 38	24 25	0 39	13 34	2 31	21 10	0 41	7 13	1 44	31 55	8 51	1 18	0 52	6 30			n.a.
W28	11 0	12 14	3 46	4 12	2 3	26 26	3 28	14 20	1 39	24 25	0 39	13 34	2 31	21 10	0 41	7 13	1 45	31 55	8 51	1 18	0 51	6 28			n.a.
T 29	11 22	8 25	2 45	3 50	2 13	26 32	3 28	14 8	1 39	24 25	0 39	13 34	2 30	21 10	0 41	7 12	1 45	31 55	8 51	1 19	0 49	6 26			n.a.
F 30	11 44	4 3	1 32	3 35	2 21	26 37	3 27	13 56	1 40	24 25	0 39	13 35	2 30	21 10	0 41	7 11	1 45	31 54	8 51	1 20	0 48	6 24			n.a.
S 31	12s 6	0n37	0n12	3s25	2n28	26s42	3s27	13n45	1n40	24s24	0s39	13s35	2s30	21s10	0s41	7n11	1n45	31s54	8s51	1s20	0s47	6n23			n.a.

Julian Day Number = 1471500.5, Delta T = 05h30m34s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'25, Lahiri = -13°24'24 Julian Calendar 1 Oct. 685 BCE == Greg. Calendar 24 Sept. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

NOVEMBER 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 12 44	2♏20'23	15♈46	14♎16	19♐24	29♌ 2	2♑46	1°R 2	29♑46	16♍ 5	13♑14	3°R18	1♎53	9♍21	n.a.	S 1
M 2	2 16 40	3°21'28	0♉24	14°28	20°21	29°36	2°57	1♓ 1	29°47	16° 7	13°15	3♎16	1°50	9°27	n.a.	M 2
T 3	2 20 37	4°22'33	14°49	14°50	21°17	0♍11	3° 7	1° 0	29°48	16° 8	13°15	3°12	1°46	9°34	n.a.	T 3
W 4	2 24 33	5°23'39	28°56	15°19	22°13	0°45	3°18	0°59	29°49	16°10	13°16	3° 7	1°43	9°41	n.a.	W 4
T 5	2 28 30	6°24'46	12♊42	15°57	23° 8	1°20	3°28	0°59	29°50	16°11	13°17	3° 2	1°40	9°47	n.a.	T 5
F 6	2 32 27	7°25'54	26° 2	16°40	24° 2	1°54	3°39	0°58	29°51	16°13	13°18	2°56	1°37	9°54	n.a.	F 6
S 7	2 36 23	8°27'04	8♋58	17°30	24°56	2°29	3°50	0°58	29°52	16°14	13°19	2°51	1°34	10° 1	n.a.	S 7
S 8	2 40 20	9°28'14	21°32	18°25	25°49	3° 3	4° 1	0°57	29°53	16°16	13°20	2°48	1°31	10° 7	n.a.	S 8
M 9	2 44 16	10°29'25	3♌47	19°24	26°41	3°37	4°12	0°57	29°54	16°18	13°21	2°46	1°27	10°14	n.a.	M 9
T 10	2 48 13	11°30'37	15°48	20°28	27°33	4°11	4°23	0°D57	29°55	16°19	13°22	2°D46	1°24	10°21	n.a.	T 10
W11	2 52 9	12°31'50	27°39	21°34	28°24	4°46	4°35	0°57	29°56	16°20	13°23	2°47	1°21	10°27	n.a.	W11
T 12	2 56 6	13°33'03	9♍27	22°44	29°14	5°20	4°46	0°57	29°58	16°22	13°24	2°49	1°18	10°34	n.a.	T 12
F 13	3 0 2	14°34'18	21°16	23°57	0♑ 3	5°54	4°57	0°58	29°59	16°23	13°25	2°50	1°15	10°41	n.a.	F 13
S 14	3 3 59	15°35'33	3♎10	25°11	0°52	6°27	5° 9	0°58	0♒ 1	16°25	13°26	2°R51	1°12	10°47	n.a.	S 14
S 15	3 7 56	16°36'49	15°15	26°28	1°39	7° 1	5°21	0°58	0° 2	16°26	13°27	2°50	1° 8	10°54	n.a.	S 15
M16	3 11 52	17°38'05	27°32	27°47	2°26	7°35	5°32	0°59	0° 4	16°27	13°28	2°47	1° 5	11° 1	n.a.	M16
T 17	3 15 49	18°39'22	10♏ 4	29° 7	3°12	8° 9	5°44	1° 0	0° 5	16°29	13°29	2°42	1° 2	11° 7	n.a.	T 17
W18	3 19 45	19°40'39	22°51	0♏28	3°57	8°42	5°56	1° 1	0° 7	16°30	13°30	2°35	0°59	11°14	n.a.	W18
T 19	3 23 42	20°41'57	5♐54	1°50	4°40	9°16	6° 8	1° 2	0° 8	16°31	13°31	2°26	0°56	11°20	n.a.	T 19
F 20	3 27 38	21°43'14	19°11	3°14	5°23	9°49	6°20	1° 3	0°10	16°32	13°33	2°17	0°52	11°27	n.a.	F 20
S 21	3 31 35	22°44'32	2♑41	4°39	6° 4	10°22	6°33	1° 4	0°12	16°33	13°34	2° 8	0°49	11°34	n.a.	S 21
S 22	3 35 31	23°45'50	16°21	6° 4	6°45	10°56	6°45	1° 5	0°14	16°34	13°35	2° 1	0°46	11°40	n.a.	S 22
M23	3 39 28	24°47'08	0♒10	7°30	7°24	11°29	6°57	1° 6	0°15	16°36	13°36	1°56	0°43	11°47	n.a.	M23
T 24	3 43 25	25°48'25	14° 6	8°57	8° 2	12° 2	7°10	1° 8	0°17	16°37	13°38	1°53	0°40	11°54	n.a.	T 24
W25	3 47 21	26°49'43	28° 7	10°24	8°38	12°35	7°22	1° 9	0°19	16°38	13°39	1°D53	0°37	12° 0	n.a.	W25
T 26	3 51 18	27°51'00	12♓14	11°52	9°13	13° 8	7°35	1°11	0°21	16°39	13°40	1°53	0°33	12° 7	n.a.	T 26
F 27	3 55 14	28°52'16	26°26	13°21	9°47	13°40	7°47	1°13	0°23	16°40	13°42	1°R54	0°30	12°14	n.a.	F 27
S 28	3 59 11	29°53'32	10♈40	14°50	10°19	14°13	8° 0	1°15	0°25	16°41	13°43	1°54	0°27	12°20	n.a.	S 28
S 29	4 3 7	0♐54'48	24°54	16°19	10°50	14°46	8°13	1°17	0°27	16°42	13°44	1°51	0°24	12°27	n.a.	S 29
M30	4 7 4	1♐56'04	9♉ 5	17♏49	11♑19	15♍18	8♑26	1♓19	0♒29	16♍42	13♑46	1♎47	0♎21	12♍34	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s27	5n15	1s 8	3s22	2n32	26s46	3s26	13n33	1n41	24s24	0s39	13s35	2s30	21s 9	0s41	7n10	1n45	31s54	8s50	1s20	0s45	6n21		n.a.
M 2	12 48	9 32	2 23	3 24	2 35	26 49	3 24	13 21	1 41	24 24	0 39	13 35	2 29	21 9	0 41	7 10	1 45	31 54	8 50	1 19	0 44	6 19		n.a.
T 3	13 9	13 12	3 28	3 31	2 37	26 52	3 23	13 9	1 42	24 24	0 39	13 35	2 29	21 9	0 41	7 9	1 45	31 53	8 50	1 17	0 43	6 17		n.a.
W 4	13 30	16 0	4 19	3 42	2 37	26 54	3 21	12 57	1 42	24 23	0 39	13 35	2 29	21 9	0 41	7 8	1 45	31 53	8 50	1 15	0 42	6 16		n.a.
T 5	13 51	17 48	4 53	3 58	2 36	26 55	3 20	12 45	1 43	24 23	0 39	13 36	2 29	21 8	0 41	7 8	1 45	31 53	8 50	1 13	0 40	6 14		n.a.
F 6	14 11	18 33	5 10	4 16	2 34	26 56	3 18	12 33	1 43	24 23	0 39	13 35	2 29	21 8	0 41	7 7	1 45	31 53	8 50	1 11	0 39	6 12		n.a.
S 7	14 31	18 18	5 10	4 38	2 32	26 56	3 15	12 21	1 44	24 23	0 39	13 35	2 28	21 8	0 41	7 7	1 45	31 52	8 49	1 9	0 38	6 10		n.a.
S 8	14 51	17 9	4 56	5 2	2 28	26 55	3 13	12 9	1 44	24 22	0 39	13 35	2 28	21 8	0 41	7 6	1 45	31 52	8 49	1 8	0 37	6 8		n.a.
M 9	15 11	15 14	4 28	5 29	2 24	26 54	3 10	11 57	1 45	24 22	0 39	13 35	2 28	21 7	0 41	7 6	1 45	31 52	8 49	1 7	0 35	6 7		n.a.
T 10	15 30	12 41	3 49	5 58	2 19	26 53	3 8	11 45	1 45	24 22	0 39	13 35	2 28	21 7	0 41	7 5	1 45	31 52	8 49	1 7	0 34	6 5		n.a.
W11	15 49	9 39	3 0	6 28	2 14	26 50	3 4	11 32	1 46	24 21	0 40	13 35	2 27	21 7	0 41	7 4	1 45	31 51	8 49	1 7	0 33	6 3		n.a.
T 12	16 8	6 14	2 4	6 59	2 8	26 47	3 1	11 20	1 47	24 21	0 40	13 35	2 27	21 7	0 41	7 4	1 45	31 51	8 49	1 8	0 31	6 1		n.a.
F 13	16 26	2 33	1 3	7 32	2 2	26 44	2 57	11 8	1 47	24 20	0 40	13 34	2 27	21 6	0 41	7 3	1 45	31 51	8 49	1 9	0 30	6 0		n.a.
S 14	16 44	1s15	0n 2	8 5	1 56	26 40	2 54	10 56	1 48	24 20	0 40	13 34	2 27	21 6	0 41	7 3	1 45	31 51	8 48	1 9	0 29	5 58		n.a.
S 15	17 2	5 4	1 7	8 40	1 49	26 35	2 49	10 43	1 48	24 19	0 40	13 34	2 27	21 6	0 41	7 3	1 45	31 50	8 48	1 9	0 28	5 56		n.a.
M16	17 20	8 43	2 10	9 14	1 42	26 30	2 45	10 31	1 49	24 19	0 40	13 33	2 26	21 5	0 41	7 2	1 46	31 50	8 48	1 7	0 26	5 54		n.a.
T 17	17 37	12 5	3 8	9 50	1 35	26 24	2 40	10 19	1 49	24 18	0 40	13 33	2 26	21 5	0 41	7 2	1 46	31 50	8 48	1 5	0 25	5 52		n.a.
W18	17 54	14 55	3 57	10 25	1 28	26 18	2 35	10 7	1 50	24 18	0 40	13 32	2 26	21 4	0 41	7 1	1 46	31 50	8 48	1 2	0 24	5 51		n.a.
T 19	18 11	17 5	4 35	11 1	1 21	26 12	2 30	9 54	1 50	24 17	0 40	13 32	2 26	21 4	0 41	7 1	1 46	31 49	8 48	0 59	0 22	5 49		n.a.
F 20	18 27	18 22	4 59	11 37	1 14	26 4	2 25	9 42	1 51	24 17	0 40	13 31	2 25	21 4	0 41	7 0	1 46	31 49	8 48	0 55	0 21	5 47		n.a.
S 21	18 43	18 38	5 7	12 13	1 6	25 57	2 19	9 30	1 51	24 16	0 40	13 30	2 25	21 3	0 41	7 0	1 46	31 49	8 47	0 52	0 20	5 45		n.a.
S 22	18 59	17 50	4 57	12 48	0 59	25 49	2 13	9 17	1 52	24 16	0 40	13 30	2 25	21 3	0 41	7 0	1 46	31 49	8 47	0 49	0 19	5 44		n.a.
M23	19 14	15 59	4 31	13 24	0 51	25 40	2 6	9 5	1 52	24 15	0 40	13 29	2 25	21 2	0 41	6 59	1 46	31 48	8 47	0 47	0 17	5 42		n.a.
T 24	19 29	13 12	3 48	13 59	0 44	25 31	2 0	8 53	1 53	24 14	0 40	13 28	2 25	21 2	0 41	6 59	1 46	31 48	8 47	0 46	0 16	5 40		n.a.
W25	19 43	9 37	2 51	14 34	0 37	25 22	1 53	8 40	1 53	24 14	0 40	13 27	2 24	21 1	0 41	6 58	1 46	31 48	8 47	0 45	0 15	5 38		n.a.
T 26	19 57	5 28	1 44	15 9	0 29	25 12	1 45	8 28	1 54	24 13	0 40	13 27	2 24	21 1	0 41	6 58	1 46	31 48	8 47	0 46	0 13	5 36		n.a.
F 27	20 11	0 59	0 29	15 43	0 22	25 2	1 38	8 16	1 54	24 12	0 40	13 26	2 24	21 1	0 41	6 58	1 46	31 47	8 47	0 46	0 12	5 35		n.a.
S 28	20 25	3n34	0s47	16 17	0 15	24 51	1 30	8 3	1 55	24 12	0 40	13 25	2 24	21 0	0 40	6 57	1 46	31 47	8 47	0 46	0 11	5 33		n.a.
S 29	20 38	7 55	2 0	16 50	0 8	24 41	1 21	7 51	1 55	24 11	0 40	13 24	2 23	21 0	0 40	6 57	1 46	31 47	8 47	0 45	0 10	5 31		n.a.
M30	20s50	11n48	3s 5	17s22	0n 0	24s29	1s12	7n39	1n56	24s10	0s40	13s23	2s23	20s59	0s40	6n57	1n46	31s47	8s47	0s43	0s 8	5n29		n.a.

Julian Day Number = 1471531.5, Delta T = 05h30m32s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'21, Lahiri = -13°24'20 Julian Calendar 1 Nov. 685 BCE == Greg. Calendar 25 Oct. 685 BCE

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ASTRODIENST EPHEMERIS for the year 685 BCE
geocentric

DECEMBER 685 BCE (-684) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 11 0	2♐57'19	23♉ 8	19♏20	11♑46	15♍51	8♑39	1♓21	0♒32	16♍43	13♑47	1°R39	0♎17	12♍40	n.a.	T 1
W 2	4 14 57	3°58'34	6♊59	20°51	12°11	16°23	8°52	1°24	0°34	16°44	13°48	1♎29	0°14	12°47	n.a.	W 2
T 3	4 18 54	4°59'49	20°33	22°22	12°35	16°55	9° 5	1°26	0°36	16°45	13°50	1°18	0°11	12°54	n.a.	T 3
F 4	4 22 50	6° 1'03	3♋48	23°53	12°57	17°27	9°18	1°29	0°38	16°46	13°51	1° 6	0° 8	13° 0	n.a.	F 4
S 5	4 26 47	7° 2'17	16°43	25°26	13°17	17°59	9°31	1°31	0°41	16°46	13°53	0°56	0° 5	13° 7	n.a.	S 5
S 6	4 30 43	8° 3'32	29°17	26°58	13°34	18°31	9°44	1°34	0°43	16°47	13°54	0°47	0° 2	13°14	n.a.	S 6
M 7	4 34 40	9° 4'45	11♌33	28°31	13°50	19° 3	9°57	1°37	0°45	16°48	13°56	0°41	29♍58	13°20	n.a.	M 7
T 8	4 38 36	10° 5'59	23°35	0♐ 4	14° 4	19°34	10°11	1°40	0°48	16°48	13°57	0°37	29°55	13°27	n.a.	T 8
W 9	4 42 33	11° 7'12	5♍28	1°38	14°15	20° 6	10°24	1°43	0°50	16°49	13°59	0°36	29°52	13°34	n.a.	W 9
T 10	4 46 30	12° 8'25	17°16	3°13	14°24	20°37	10°38	1°46	0°53	16°49	14° 0	0°D36	29°49	13°40	n.a.	T 10
F 11	4 50 26	13° 9'38	29° 5	4°47	14°31	21° 8	10°51	1°49	0°55	16°50	14° 2	0°R36	29°46	13°47	n.a.	F 11
S 12	4 54 23	14°10'50	11♎ 0	6°23	14°35	21°40	11° 5	1°53	0°58	16°50	14° 3	0°35	29°43	13°53	n.a.	S 12
S 13	4 58 19	15°12'02	23° 8	7°58	14°R37	22°11	11°18	1°56	1° 1	16°51	14° 5	0°33	29°39	14° 0	n.a.	S 13
M14	5 2 16	16°13'14	5♏32	9°35	14°37	22°41	11°32	2° 0	1° 3	16°51	14° 7	0°28	29°36	14° 7	n.a.	M14
T 15	5 6 12	17°14'25	18°14	11°11	14°34	23°12	11°45	2° 3	1° 6	16°52	14° 8	0°21	29°33	14°13	n.a.	T 15
W16	5 10 9	18°15'35	1♐18	12°49	14°29	23°43	11°59	2° 7	1° 9	16°52	14°10	0°10	29°30	14°20	n.a.	W16
T 17	5 14 5	19°16'45	14°43	14°27	14°21	24°13	12°13	2°11	1°11	16°52	14°11	29♍58	29°27	14°27	n.a.	T 17
F 18	5 18 2	20°17'53	28°25	16° 5	14°10	24°43	12°27	2°15	1°14	16°53	14°13	29°45	29°23	14°33	n.a.	F 18
S 19	5 21 59	21°19'01	12♑23	17°44	13°57	25°14	12°41	2°19	1°17	16°53	14°15	29°33	29°20	14°40	n.a.	S 19
S 20	5 25 55	22°20'08	26°30	19°24	13°42	25°44	12°55	2°23	1°20	16°53	14°16	29°22	29°17	14°47	n.a.	S 20
M21	5 29 52	23°21'14	10♒42	21° 4	13°24	26°13	13° 8	2°27	1°23	16°53	14°18	29°14	29°14	14°53	n.a.	M21
T 22	5 33 48	24°22'18	24°55	22°45	13° 4	26°43	13°22	2°32	1°26	16°53	14°20	29° 9	29°11	15° 0	n.a.	T 22
W23	5 37 45	25°23'21	9♓ 6	24°26	12°41	27°13	13°36	2°36	1°28	16°53	14°21	29° 6	29° 8	15° 7	n.a.	W23
T 24	5 41 41	26°24'23	23°13	26° 9	12°16	27°42	13°50	2°41	1°31	16°53	14°23	29° 6	29° 4	15°13	n.a.	T 24
F 25	5 45 38	27°25'23	7♈15	27°51	11°49	28°11	14° 4	2°45	1°34	16°R53	14°25	29° 6	29° 1	15°20	n.a.	F 25
S 26	5 49 34	28°26'22	21°11	29°35	11°20	28°40	14°19	2°50	1°37	16°53	14°27	29° 5	28°58	15°27	n.a.	S 26
S 27	5 53 31	29°27'19	5♉ 2	1♑19	10°49	29° 9	14°33	2°55	1°40	16°53	14°28	29° 2	28°55	15°33	n.a.	S 27
M28	5 57 28	0♑28'15	18°46	3° 4	10°17	29°38	14°47	2°59	1°43	16°53	14°30	28°56	28°52	15°40	n.a.	M28
T 29	6 1 24	1°29'09	2♊22	4°49	9°43	0♎ 6	15° 1	3° 4	1°47	16°53	14°32	28°47	28°49	15°47	n.a.	T 29
W30	6 5 21	2°30'02	15°48	6°35	9° 8	0°34	15°15	3° 9	1°50	16°53	14°33	28°35	28°45	15°53	n.a.	W30
T 31	6 9 17	3♑30'54	29♊ 1	8♑21	8♑32	1♎ 3	15♑29	3♓14	1♒53	16♍53	14♑35	28♍21	28♍42	16♍ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s 3	14n58	3s58	17s55	0s 6	24s18	1s 3	7n27	1n56	24s 9	0s40	13s22	2s23	20s59	0s40	6n57	1n46	31s46	8s46	0s40	0s 7	5n27			n.a.
W 2	21 14	17 14	4 37	18 26	0 13	24 6	0 54	7 14	1 57	24 8	0 40	13 21	2 23	20 58	0 40	6 56	1 46	31 46	8 46	0 36	0 6	5 26			n.a.
T 3	21 26	18 29	4 58	18 57	0 20	23 54	0 44	7 2	1 57	24 8	0 40	13 20	2 22	20 58	0 40	6 56	1 47	31 46	8 46	0 31	0 4	5 24			n.a.
F 4	21 37	18 40	5 3	19 26	0 27	23 42	0 34	6 50	1 58	24 7	0 40	13 19	2 22	20 57	0 40	6 56	1 47	31 46	8 46	0 27	0 3	5 22			n.a.
S 5	21 47	17 53	4 52	19 56	0 33	23 29	0 23	6 38	1 59	24 6	0 40	13 17	2 22	20 57	0 40	6 56	1 47	31 45	8 46	0 22	0 2	5 20			n.a.
S 6	21 58	16 14	4 27	20 24	0 40	23 17	0 12	6 26	1 59	24 5	0 40	13 16	2 22	20 56	0 40	6 55	1 47	31 45	8 46	0 19	0 1	5 18			n.a.
M 7	22 7	13 52	3 50	20 51	0 46	23 4	0 1	6 13	2 0	24 4	0 40	13 15	2 22	20 55	0 40	6 55	1 47	31 45	8 46	0 16	0n 1	5 17			n.a.
T 8	22 17	10 57	3 4	21 18	0 52	22 51	0n11	6 1	2 0	24 3	0 40	13 14	2 21	20 55	0 40	6 55	1 47	31 45	8 46	0 15	0 2	5 15			n.a.
W 9	22 25	7 38	2 10	21 43	0 58	22 37	0 23	5 49	2 1	24 2	0 40	13 12	2 21	20 54	0 40	6 55	1 47	31 44	8 46	0 14	0 3	5 13			n.a.
T 10	22 34	4 1	1 10	22 8	1 3	22 24	0 35	5 37	2 1	24 1	0 40	13 11	2 21	20 54	0 40	6 55	1 47	31 44	8 46	0 14	0 4	5 11			n.a.
F 11	22 42	0 15	0 8	22 31	1 9	22 11	0 48	5 25	2 2	24 0	0 40	13 10	2 21	20 53	0 40	6 55	1 47	31 44	8 46	0 14	0 6	5 9			n.a.
S 12	22 49	3s34	0n55	22 54	1 14	21 57	1 1	5 13	2 2	23 59	0 40	13 8	2 21	20 53	0 40	6 54	1 47	31 44	8 46	0 14	0 7	5 8			n.a.
S 13	22 56	7 18	1 57	23 15	1 19	21 44	1 14	5 1	2 3	23 58	0 40	13 7	2 20	20 52	0 40	6 54	1 47	31 43	8 46	0 13	0 8	5 6			n.a.
M14	23 3	10 49	2 54	23 35	1 24	21 30	1 28	4 49	2 3	23 56	0 41	13 5	2 20	20 51	0 40	6 54	1 47	31 43	8 46	0 11	0 10	5 4			n.a.
T 15	23 9	13 55	3 44	23 54	1 29	21 16	1 42	4 38	2 4	23 55	0 41	13 4	2 20	20 51	0 40	6 54	1 47	31 43	8 45	0 8	0 11	5 2			n.a.
W16	23 15	16 24	4 24	24 12	1 33	21 3	1 57	4 26	2 4	23 54	0 41	13 2	2 20	20 50	0 40	6 54	1 47	31 43	8 45	0 4	0 12	5 0			n.a.
T 17	23 20	18 5	4 50	24 28	1 37	20 49	2 11	4 14	2 5	23 53	0 41	13 0	2 19	20 49	0 40	6 54	1 47	31 43	8 45	0n 1	0 13	4 59			n.a.
F 18	23 25	18 45	5 1	24 43	1 41	20 35	2 26	4 2	2 5	23 52	0 41	12 59	2 19	20 49	0 40	6 54	1 48	31 42	8 45	0 6	0 15	4 57			n.a.
S 19	23 29	18 19	4 53	24 56	1 45	20 22	2 41	3 51	2 6	23 50	0 41	12 57	2 19	20 48	0 40	6 54	1 48	31 42	8 45	0 11	0 16	4 55			n.a.
S 20	23 33	16 46	4 28	25 8	1 48	20 8	2 56	3 39	2 6	23 49	0 41	12 55	2 19	20 48	0 40	6 54	1 48	31 42	8 45	0 15	0 17	4 53			n.a.
M21	23 36	14 10	3 46	25 19	1 51	19 55	3 11	3 28	2 7	23 48	0 41	12 54	2 19	20 47	0 40	6 54	1 48	31 42	8 45	0 19	0 19	4 51			n.a.
T 22	23 39	10 44	2 50	25 28	1 53	19 42	3 26	3 16	2 8	23 46	0 41	12 52	2 18	20 46	0 40	6 54	1 48	31 41	8 45	0 21	0 20	4 50			n.a.
W23	23 42	6 40	1 44	25 35	1 56	19 29	3 42	3 5	2 8	23 45	0 41	12 50	2 18	20 46	0 40	6 54	1 48	31 41	8 45	0 22	0 21	4 48			n.a.
T 24	23 44	2 15	0 31	25 41	1 58	19 16	3 57	2 53	2 9	23 44	0 41	12 48	2 18	20 45	0 40	6 54	1 48	31 41	8 45	0 22	0 22	4 46			n.a.
F 25	23 45	2n16	0s43	25 45	1 59	19 4	4 12	2 42	2 9	23 42	0 41	12 47	2 18	20 44	0 40	6 54	1 48	31 41	8 45	0 22	0 24	4 44			n.a.
S 26	23 46	6 37	1 54	25 47	2 0	18 51	4 27	2 31	2 10	23 41	0 41	12 45	2 18	20 44	0 40	6 54	1 48	31 41	8 45	0 22	0 25	4 42			n.a.
S 27	23 46	10 36	2 58	25 47	2 1	18 39	4 41	2 20	2 10	23 39	0 41	12 43	2 18	20 43	0 40	6 54	1 48	31 40	8 45	0 24	0 26	4 41			n.a.
M28	23 46	13 58	3 50	25 46	2 1	18 28	4 55	2 9	2 11	23 38	0 41	12 41	2 17	20 42	0 40	6 54	1 48	31 40	8 45	0 26	0 28	4 39			n.a.
T 29	23 46	16 31	4 29	25 42	2 1	18 16	5 9	1 58	2 11	23 36	0 41	12 39	2 17	20 41	0 40	6 54	1 48	31 40	8 45	0 30	0 29	4 37			n.a.
W30	23 45	18 9	4 53	25 37	2 0	18 5	5 23	1 47	2 12	23 35	0 41	12 37	2 17	20 41	0 40	6 54	1 48	31 40	8 45	0 34	0 30	4 35			n.a.
T 31	23s44	18n46	5s 0	25s29	1s59	17s55	5n36	1n36	2n12	23s33	0s42	12s35	2s17	20s40	0s40	6n55	1n48	31s40	8s45	0n40	0n31	4n33			n.a.

Julian Day Number = 1471561.5, Delta T = 05h30m30s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'17, Lahiri = -13°24'16 Julian Calendar 1 Dec. 685 BCE == Greg. Calendar 24 Nov. 685 BCE

The year -684 astronomical counting style corresponds to year 685 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

JANUARY 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 13 14	4♑31'44	12♋ 0	10♑ 8	7°R55	1♎30	15♑44	3♓19	1♒56	16°R53	14♑37	28°R 8	28♍39	16♍ 7	n.a.	F 1
S 2	6 17 10	5°32'33	24°43	11°56	7♑18	1°58	15°58	3°25	1°59	16♍53	14°39	27♍55	28°36	16°13	n.a.	S 2
S 3	6 21 7	6°33'21	7♌11	13°44	6°40	2°26	16°12	3°30	2° 2	16°52	14°40	27°44	28°33	16°20	n.a.	S 3
M 4	6 25 4	7°34'07	19°23	15°32	6° 3	2°53	16°26	3°35	2° 5	16°52	14°42	27°36	28°29	16°26	n.a.	M 4
T 5	6 29 0	8°34'52	1♍24	17°20	5°26	3°20	16°41	3°41	2° 9	16°52	14°44	27°30	28°26	16°33	n.a.	T 5
W 6	6 32 57	9°35'36	13°15	19° 8	4°49	3°47	16°55	3°46	2°12	16°51	14°46	27°28	28°23	16°40	n.a.	W 6
T 7	6 36 53	10°36'18	25° 3	20°57	4°13	4°14	17° 9	3°52	2°15	16°51	14°48	27°D27	28°20	16°46	n.a.	T 7
F 8	6 40 50	11°36'59	6♎51	22°45	3°39	4°40	17°24	3°58	2°18	16°50	14°49	27°R27	28°17	16°53	n.a.	F 8
S 9	6 44 46	12°37'39	18°46	24°32	3° 5	5° 6	17°38	4° 3	2°22	16°50	14°51	27°27	28°14	17° 0	n.a.	S 9
S 10	6 48 43	13°38'17	0♏53	26°18	2°34	5°32	17°52	4° 9	2°25	16°49	14°53	27°25	28°10	17° 6	n.a.	S 10
M11	6 52 39	14°38'54	13°18	28° 4	2° 3	5°58	18° 7	4°15	2°28	16°49	14°55	27°22	28° 7	17°13	n.a.	M11
T 12	6 56 36	15°39'30	26° 4	29°47	1°35	6°24	18°21	4°21	2°32	16°48	14°56	27°16	28° 4	17°20	n.a.	T 12
W13	7 0 33	16°40'05	9♐15	1♒29	1° 9	6°49	18°35	4°27	2°35	16°48	14°58	27° 7	28° 1	17°26	n.a.	W13
T 14	7 4 29	17°40'37	22°51	3° 9	0°44	7°14	18°50	4°33	2°38	16°47	15° 0	26°57	27°58	17°33	n.a.	T 14
F 15	7 8 26	18°41'09	6♑51	4°45	0°22	7°39	19° 4	4°39	2°42	16°46	15° 2	26°45	27°55	17°40	n.a.	F 15
S 16	7 12 22	19°41'38	21°10	6°18	0° 3	8° 3	19°18	4°45	2°45	16°46	15° 3	26°34	27°51	17°46	n.a.	S 16
S 17	7 16 19	20°42'06	5♒44	7°47	29♐45	8°27	19°33	4°51	2°48	16°45	15° 5	26°25	27°48	17°53	n.a.	S 17
M18	7 20 15	21°42'32	20°23	9°11	29°30	8°51	19°47	4°58	2°52	16°44	15° 7	26°18	27°45	18° 0	n.a.	M18
T 19	7 24 12	22°42'56	5♓ 2	10°30	29°18	9°15	20° 2	5° 4	2°55	16°44	15° 9	26°13	27°42	18° 6	n.a.	T 19
W20	7 28 8	23°43'17	19°34	11°43	29° 8	9°38	20°16	5°10	2°59	16°43	15°11	26°D12	27°39	18°13	n.a.	W20
T 21	7 32 5	24°43'37	3♈56	12°50	29° 0	10° 1	20°30	5°17	3° 2	16°42	15°12	26°12	27°35	18°19	n.a.	T 21
F 22	7 36 2	25°43'54	18° 4	13°49	28°55	10°24	20°45	5°23	3° 5	16°41	15°14	26°12	27°32	18°26	n.a.	F 22
S 23	7 39 58	26°44'09	1♉57	14°40	28°53	10°46	20°59	5°30	3° 9	16°40	15°16	26°R12	27°29	18°33	n.a.	S 23
S 24	7 43 55	27°44'22	15°38	15°23	28°D52	11° 8	21°13	5°37	3°12	16°39	15°18	26°11	27°26	18°39	n.a.	S 24
M25	7 47 51	28°44'33	29° 5	15°57	28°55	11°30	21°28	5°43	3°16	16°38	15°19	26° 7	27°23	18°46	n.a.	M25
T 26	7 51 48	29°44'42	12♊19	16°22	28°59	11°51	21°42	5°50	3°19	16°37	15°21	26° 1	27°20	18°53	n.a.	T 26
W27	7 55 44	0♒44'48	25°22	16°37	29° 6	12°12	21°56	5°57	3°23	16°36	15°23	25°52	27°16	18°59	n.a.	W27
T 28	7 59 41	1°44'53	8♋12	16°R43	29°15	12°33	22°11	6° 4	3°26	16°35	15°24	25°42	27°13	19° 6	n.a.	T 28
F 29	8 3 37	2°44'55	20°51	16°40	29°26	12°53	22°25	6°10	3°29	16°34	15°26	25°32	27°10	19°13	n.a.	F 29
S 30	8 7 34	3°44'55	3♌17	16°28	29°40	13°13	22°39	6°17	3°33	16°33	15°28	25°23	27° 7	19°19	n.a.	S 30
S 31	8 11 31	4♒44'53	15♌32	16♒ 6	29♐55	13♎33	22♑53	6♓24	3♒36	16♍32	15♑30	25♍15	27♍ 4	19♍26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23 s42	18n23	4 s52	25 s20	1 s57	17 s45	5n48	1n25	2n13	23 s31	0 s42	12 s33	2 s17	20 s39	0 s40	6n55	1n48	31 s39	8 s45	0n45	0n33	4n31		n.a.
S 2	23 39	17 5	4 29	25 9	1 55	17 35	6 0	1 14	2 13	23 30	0 42	12 31	2 16	20 39	0 40	6 55	1 49	31 39	8 45	0 50	0 34	4 30		n.a.
S 3	23 37	14 59	3 53	24 55	1 52	17 26	6 11	1 4	2 14	23 28	0 42	12 29	2 16	20 38	0 40	6 55	1 49	31 39	8 45	0 55	0 35	4 28		n.a.
M 4	23 33	12 15	3 7	24 40	1 49	17 17	6 21	0 53	2 14	23 26	0 42	12 26	2 16	20 37	0 40	6 55	1 49	31 39	8 45	0 58	0 36	4 26		n.a.
T 5	23 30	9 3	2 14	24 22	1 45	17 10	6 30	0 43	2 15	23 25	0 42	12 24	2 16	20 36	0 40	6 55	1 49	31 39	8 45	1 0	0 38	4 24		n.a.
W 6	23 25	5 31	1 15	24 2	1 40	17 2	6 39	0 32	2 15	23 23	0 42	12 22	2 16	20 36	0 40	6 56	1 49	31 38	8 45	1 1	0 39	4 22		n.a.
T 7	23 21	1 48	0 13	23 40	1 35	16 55	6 47	0 22	2 16	23 21	0 42	12 20	2 16	20 35	0 40	6 56	1 49	31 38	8 45	1 2	0 40	4 21		n.a.
F 8	23 16	2 s 0	0n50	23 17	1 28	16 49	6 54	0 12	2 16	23 19	0 42	12 18	2 16	20 34	0 40	6 56	1 49	31 38	8 45	1 2	0 42	4 19		n.a.
S 9	23 10	5 45	1 51	22 51	1 22	16 44	7 0	0 2	2 17	23 18	0 42	12 15	2 15	20 33	0 40	6 56	1 49	31 38	8 45	1 2	0 43	4 17		n.a.
S 10	23 4	9 20	2 48	22 24	1 14	16 39	7 6	0 s 8	2 17	23 16	0 42	12 13	2 15	20 32	0 40	6 57	1 49	31 38	8 46	1 2	0 44	4 15		n.a.
M11	22 57	12 35	3 38	21 55	1 6	16 35	7 10	0 18	2 18	23 14	0 42	12 11	2 15	20 32	0 40	6 57	1 49	31 38	8 46	1 4	0 45	4 13		n.a.
T 12	22 50	15 20	4 20	21 24	0 56	16 32	7 14	0 28	2 18	23 12	0 42	12 8	2 15	20 31	0 40	6 57	1 49	31 37	8 46	1 6	0 47	4 11		n.a.
W13	22 43	17 24	4 48	20 52	0 46	16 29	7 17	0 37	2 19	23 10	0 43	12 6	2 15	20 30	0 40	6 57	1 49	31 37	8 46	1 10	0 48	4 10		n.a.
T 14	22 35	18 33	5 2	20 18	0 36	16 28	7 19	0 47	2 19	23 8	0 43	12 4	2 15	20 29	0 40	6 58	1 49	31 37	8 46	1 14	0 49	4 8		n.a.
F 15	22 27	18 38	4 58	19 44	0 24	16 26	7 20	0 56	2 20	23 6	0 43	12 1	2 15	20 29	0 40	6 58	1 49	31 37	8 46	1 18	0 51	4 6		n.a.
S 16	22 18	17 33	4 36	19 9	0 12	16 26	7 21	1 6	2 20	23 4	0 43	11 59	2 14	20 28	0 40	6 58	1 49	31 37	8 46	1 23	0 52	4 4		n.a.
S 17	22 9	15 18	3 55	18 34	0n 1	16 26	7 21	1 15	2 21	23 2	0 43	11 56	2 14	20 27	0 40	6 59	1 49	31 37	8 46	1 27	0 53	4 2		n.a.
M18	22 0	12 4	2 59	17 58	0 15	16 27	7 20	1 24	2 21	23 0	0 43	11 54	2 14	20 26	0 40	6 59	1 50	31 37	8 46	1 30	0 54	4 0		n.a.
T 19	21 50	8 5	1 50	17 23	0 29	16 28	7 19	1 33	2 22	22 58	0 43	11 51	2 14	20 25	0 40	6 59	1 50	31 36	8 46	1 31	0 56	3 59		n.a.
W20	21 40	3 39	0 35	16 49	0 44	16 30	7 17	1 42	2 22	22 56	0 43	11 49	2 14	20 25	0 40	7 0	1 50	31 36	8 46	1 32	0 57	3 57		n.a.
T 21	21 29	0n57	0 s41	16 15	0 59	16 32	7 14	1 50	2 23	22 54	0 43	11 46	2 14	20 24	0 40	7 0	1 50	31 36	8 46	1 32	0 58	3 55		n.a.
F 22	21 18	5 25	1 54	15 44	1 14	16 35	7 11	1 59	2 23	22 52	0 43	11 44	2 14	20 23	0 40	7 1	1 50	31 36	8 46	1 32	1 0	3 53		n.a.
S 23	21 6	9 31	2 59	15 14	1 30	16 39	7 8	2 7	2 24	22 50	0 43	11 41	2 14	20 22	0 40	7 1	1 50	31 36	8 47	1 32	1 1	3 51		n.a.
S 24	20 54	13 2	3 53	14 46	1 46	16 43	7 4	2 16	2 24	22 47	0 44	11 39	2 13	20 21	0 40	7 1	1 50	31 36	8 47	1 32	1 2	3 50		n.a.
M25	20 42	15 48	4 33	14 21	2 1	16 47	6 59	2 24	2 24	22 45	0 44	11 36	2 13	20 21	0 40	7 2	1 50	31 36	8 47	1 34	1 3	3 48		n.a.
T 26	20 29	17 41	4 57	13 59	2 17	16 52	6 55	2 32	2 25	22 43	0 44	11 34	2 13	20 20	0 40	7 2	1 50	31 36	8 47	1 36	1 5	3 46		n.a.
W27	20 16	18 36	5 6	13 40	2 32	16 57	6 49	2 40	2 25	22 41	0 44	11 31	2 13	20 19	0 40	7 3	1 50	31 36	8 47	1 40	1 6	3 44		n.a.
T 28	20 3	18 33	4 58	13 25	2 46	17 2	6 44	2 48	2 26	22 39	0 44	11 28	2 13	20 18	0 40	7 3	1 50	31 35	8 47	1 44	1 7	3 42		n.a.
F 29	19 49	17 34	4 37	13 13	2 59	17 8	6 38	2 55	2 26	22 36	0 44	11 26	2 13	20 17	0 40	7 4	1 50	31 35	8 47	1 48	1 8	3 40		n.a.
S 30	19 35	15 46	4 2	13 5	3 11	17 14	6 33	3 3	2 26	22 34	0 44	11 23	2 13	20 17	0 40	7 4	1 50	31 35	8 47	1 52	1 10	3 39		n.a.
S 31	19 s21	13n17	3 s17	13 s 1	3n22	17 s20	6n26	3 s10	2n27	22 s32	0 s44	11 s20	2 s13	20 s16	0 s40	7n 5	1n50	31 s35	8 s47	1n55	1n11	3n37		n.a.

Julian Day Number = 1471592.5, Delta T = 05h30m29s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'12, Lahiri = -13°24'12 Julian Calendar 1 Jan. 684 BCE == Greg. Calendar 25 Dec. 685 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

FEBRUARY 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 15 27	5♒44'49	27♌36	15°R37	0♑13	13♎52	23♑ 7	6♓31	3♒40	16°R31	15♑31	25°R 9	27♍ 1	19♍33	n.a.	M 1
T 2	8 19 24	6°44'43	9♍32	15♒ 0	0°32	14°11	23°22	6°38	3°43	16♍30	15°33	25♍ 5	26°57	19°39	n.a.	T 2
W 3	8 23 20	7°44'35	21°22	14°17	0°54	14°29	23°36	6°45	3°47	16°29	15°35	25°D 4	26°54	19°46	n.a.	W 3
T 4	8 27 17	8°44'25	3♎ 8	13°28	1°17	14°47	23°50	6°52	3°50	16°27	15°36	25° 4	26°51	19°53	n.a.	T 4
F 5	8 31 13	9°44'13	14°57	12°35	1°42	15° 4	24° 4	7° 0	3°53	16°26	15°38	25° 5	26°48	19°59	n.a.	F 5
S 6	8 35 10	10°44'00	26°51	11°38	2° 8	15°22	24°18	7° 7	3°57	16°25	15°39	25° 7	26°45	20° 6	n.a.	S 6
S 7	8 39 6	11°43'44	8♏57	10°41	2°37	15°38	24°32	7°14	4° 0	16°24	15°41	25°R 8	26°41	20°12	n.a.	S 7
M 8	8 43 3	12°43'27	21°19	9°43	3° 7	15°55	24°46	7°21	4° 4	16°22	15°43	25° 7	26°38	20°19	n.a.	M 8
T 9	8 46 59	13°43'08	4♐ 3	8°45	3°38	16°10	25° 0	7°29	4° 7	16°21	15°44	25° 5	26°35	20°26	n.a.	T 9
W10	8 50 56	14°42'47	17°11	7°50	4°11	16°26	25°14	7°36	4°11	16°20	15°46	25° 1	26°32	20°32	n.a.	W10
T 11	8 54 53	15°42'24	0♑47	6°58	4°45	16°40	25°28	7°43	4°14	16°18	15°47	24°56	26°29	20°39	n.a.	T 11
F 12	8 58 49	16°42'00	14°51	6°10	5°20	16°55	25°42	7°51	4°17	16°17	15°49	24°50	26°26	20°46	n.a.	F 12
S 13	9 2 46	17°41'33	29°19	5°27	5°57	17° 8	25°56	7°58	4°21	16°16	15°51	24°44	26°22	20°52	n.a.	S 13
S 14	9 6 42	18°41'04	14♒ 7	4°49	6°35	17°22	26°10	8° 5	4°24	16°14	15°52	24°39	26°19	20°59	n.a.	S 14
M15	9 10 39	19°40'33	29° 6	4°16	7°14	17°34	26°24	8°13	4°27	16°13	15°54	24°35	26°16	21° 6	n.a.	M15
T 16	9 14 35	20°40'00	14♓ 7	3°49	7°54	17°47	26°37	8°20	4°31	16°11	15°55	24°33	26°13	21°12	n.a.	T 16
W17	9 18 32	21°39'25	29° 3	3°29	8°36	17°58	26°51	8°28	4°34	16°10	15°57	24°D33	26°10	21°19	n.a.	W17
T 18	9 22 28	22°38'47	13♈45	3°14	9°18	18° 9	27° 5	8°35	4°37	16° 9	15°58	24°34	26° 7	21°26	n.a.	T 18
F 19	9 26 25	23°38'07	28°10	3° 5	10° 1	18°20	27°18	8°43	4°41	16° 7	16° 0	24°35	26° 3	21°32	n.a.	F 19
S 20	9 30 21	24°37'24	12♉14	3°D 3	10°46	18°30	27°32	8°50	4°44	16° 6	16° 1	24°37	26° 0	21°39	n.a.	S 20
S 21	9 34 18	25°36'39	25°57	3° 6	11°31	18°39	27°45	8°58	4°47	16° 4	16° 3	24°R37	25°57	21°46	n.a.	S 21
M22	9 38 15	26°35'51	9♊20	3°14	12°17	18°48	27°59	9° 6	4°51	16° 3	16° 4	24°37	25°54	21°52	n.a.	M22
T 23	9 42 11	27°35'01	22°24	3°28	13° 4	18°56	28°12	9°13	4°54	16° 1	16° 5	24°35	25°51	21°59	n.a.	T 23
W24	9 46 8	28°34'09	5♋11	3°47	13°52	19° 3	28°26	9°21	4°57	16° 0	16° 7	24°32	25°47	22° 5	n.a.	W24
T 25	9 50 4	29°33'14	17°45	4°11	14°40	19°10	28°39	9°29	5° 0	15°58	16° 8	24°28	25°44	22°12	n.a.	T 25
F 26	9 54 1	0♓32'16	0♌ 6	4°39	15°30	19°16	28°52	9°36	5° 3	15°56	16°10	24°24	25°41	22°19	n.a.	F 26
S 27	9 57 57	1°31'17	12°17	5°12	16°20	19°22	29° 6	9°44	5° 7	15°55	16°11	24°20	25°38	22°25	n.a.	S 27
S 28	10 1 54	2♓30'15	24♌19	5♒48	17♑10	19♎27	29♑19	9♓51	5♒10	15♍53	16♑12	24♍17	25♍35	22♍32	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	19s 6	10n15	2s23	13s 1	3n32	17s26	6n20	3s17	2n27	22s30	0s44	11s17	2s13	20s15	0s40	7n 5	1n50	31s35	8s48	1n57	1n12	3n35		n.a.	M 1
T 2	18 51	6 49	1 23	13 4	3 39	17 33	6 13	3 24	2 28	22 27	0 45	11 15	2 13	20 14	0 40	7 6	1 50	31 35	8 48	1 59	1 14	3 33		n.a.	T 2
W 3	18 35	3 10	0 20	13 11	3 45	17 40	6 7	3 31	2 28	22 25	0 45	11 12	2 12	20 13	0 40	7 6	1 50	31 35	8 48	1 59	1 15	3 31		n.a.	W 3
T 4	18 20	0s36	0n44	13 21	3 49	17 46	6 0	3 38	2 28	22 22	0 45	11 9	2 12	20 12	0 40	7 7	1 50	31 35	8 48	1 59	1 16	3 29		n.a.	T 4
F 5	18 4	4 21	1 46	13 34	3 51	17 53	5 53	3 44	2 29	22 20	0 45	11 6	2 12	20 12	0 40	7 7	1 50	31 35	8 48	1 59	1 17	3 28		n.a.	F 5
S 6	17 47	7 57	2 44	13 50	3 51	18 0	5 46	3 51	2 29	22 18	0 45	11 4	2 12	20 11	0 40	7 8	1 51	31 35	8 48	1 58	1 19	3 26		n.a.	S 6
S 7	17 31	11 17	3 36	14 8	3 49	18 7	5 38	3 57	2 29	22 15	0 45	11 1	2 12	20 10	0 40	7 8	1 51	31 35	8 48	1 58	1 20	3 24		n.a.	S 7
M 8	17 14	14 11	4 19	14 27	3 45	18 13	5 31	4 3	2 29	22 13	0 45	10 58	2 12	20 9	0 40	7 9	1 51	31 35	8 49	1 58	1 21	3 22		n.a.	M 8
T 9	16 56	16 30	4 50	14 48	3 39	18 20	5 24	4 9	2 30	22 10	0 45	10 55	2 12	20 8	0 40	7 9	1 51	31 35	8 49	1 59	1 23	3 20		n.a.	T 9
W10	16 39	18 2	5 8	15 10	3 31	18 26	5 16	4 15	2 30	22 8	0 46	10 52	2 12	20 8	0 40	7 10	1 51	31 35	8 49	2 0	1 24	3 18		n.a.	W10
T 11	16 21	18 37	5 9	15 32	3 22	18 33	5 9	4 20	2 30	22 5	0 46	10 50	2 12	20 7	0 40	7 10	1 51	31 35	8 49	2 2	1 25	3 16		n.a.	T 11
F 12	16 3	18 6	4 52	15 54	3 11	18 39	5 1	4 25	2 30	22 3	0 46	10 47	2 12	20 6	0 40	7 11	1 51	31 35	8 49	2 5	1 26	3 15		n.a.	F 12
S 13	15 45	16 24	4 17	16 16	3 0	18 45	4 54	4 31	2 31	22 1	0 46	10 44	2 12	20 5	0 40	7 12	1 51	31 35	8 49	2 7	1 28	3 13		n.a.	S 13
S 14	15 26	13 35	3 23	16 38	2 47	18 51	4 46	4 35	2 31	21 58	0 46	10 41	2 12	20 4	0 40	7 12	1 51	31 35	8 50	2 9	1 29	3 11		n.a.	S 14
M15	15 7	9 51	2 15	16 58	2 34	18 56	4 38	4 40	2 31	21 55	0 46	10 38	2 12	20 4	0 40	7 13	1 51	31 35	8 50	2 11	1 30	3 9		n.a.	M15
T 16	14 48	5 28	0 57	17 18	2 20	19 2	4 31	4 45	2 31	21 53	0 46	10 35	2 12	20 3	0 40	7 13	1 51	31 35	8 50	2 12	1 32	3 7		n.a.	T 16
W17	14 29	0 46	0s25	17 37	2 6	19 7	4 23	4 49	2 31	21 50	0 46	10 32	2 12	20 2	0 40	7 14	1 51	31 35	8 50	2 12	1 33	3 5		n.a.	W17
T 18	14 10	3n55	1 43	17 54	1 51	19 12	4 15	4 53	2 31	21 48	0 47	10 30	2 12	20 1	0 40	7 14	1 51	31 35	8 50	2 11	1 34	3 4		n.a.	T 18
F 19	13 50	8 16	2 54	18 10	1 37	19 16	4 8	4 57	2 31	21 45	0 47	10 27	2 12	20 0	0 40	7 15	1 51	31 35	8 51	2 11	1 35	3 2		n.a.	F 19
S 20	13 30	12 2	3 52	18 25	1 22	19 20	4 0	5 1	2 31	21 43	0 47	10 24	2 12	20 0	0 40	7 16	1 51	31 35	8 51	2 10	1 37	3 0		n.a.	S 20
S 21	13 10	15 3	4 36	18 38	1 8	19 24	3 53	5 5	2 31	21 40	0 47	10 21	2 12	19 59	0 40	7 16	1 51	31 35	8 51	2 10	1 38	2 58		n.a.	S 21
M22	12 49	17 10	5 3	18 50	0 54	19 28	3 45	5 8	2 31	21 38	0 47	10 18	2 12	19 58	0 40	7 17	1 51	31 35	8 51	2 10	1 39	2 56		n.a.	M22
T 23	12 29	18 20	5 14	19 0	0 40	19 31	3 37	5 11	2 31	21 35	0 47	10 15	2 11	19 57	0 40	7 18	1 51	31 35	8 51	2 11	1 40	2 54		n.a.	T 23
W24	12 8	18 32	5 9	19 9	0 26	19 34	3 30	5 14	2 31	21 32	0 47	10 12	2 11	19 56	0 40	7 18	1 51	31 35	8 52	2 12	1 42	2 52		n.a.	W24
T 25	11 47	17 49	4 49	19 16	0 13	19 36	3 22	5 17	2 31	21 30	0 48	10 9	2 11	19 56	0 40	7 19	1 51	31 35	8 52	2 14	1 43	2 51		n.a.	T 25
F 26	11 26	16 15	4 16	19 22	0 0	19 38	3 15	5 19	2 31	21 27	0 48	10 6	2 11	19 55	0 40	7 19	1 51	31 35	8 52	2 15	1 44	2 49		n.a.	F 26
S 27	11 5	13 59	3 31	19 26	0s12	19 39	3 8	5 21	2 31	21 24	0 48	10 3	2 11	19 54	0 40	7 20	1 51	31 35	8 52	2 17	1 46	2 47		n.a.	S 27
S 28	10s44	11n 7	2s38	19s28	0s24	19s40	3n 0	5s23	2n31	21s22	0s48	10s 0	2s11	19s53	0s40	7n21	1n51	31s35	8s53	2n18	1n47	2n45		n.a.	S 28

Julian Day Number = 1471623.5, Delta T = 05h30m27s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'08, Lahiri = -13°24'08 Julian Calendar 1 Feb. 684 BCE == Greg. Calendar 25 Jan. 684 BCE

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

MARCH 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 5 50	3♓29'11	6♍14	6♒29	18♑ 2	19♎31	29♑32	9♓59	5♒13	15°R52	16♑13	24°R15	25♍32	22♍39	n.a.	M 1
T 2	10 9 47	4°28'05	18° 5	7°14	18°54	19°34	29°45	10° 7	5°16	15♍50	16°15	24♍14	25°28	22°45	n.a.	T 2
W 3	10 13 44	5°26'56	29°53	8° 1	19°46	19°37	29°58	10°15	5°19	15°48	16°16	24°D14	25°25	22°52	n.a.	W 3
T 4	10 17 40	6°25'46	11♎40	8°53	20°40	19°39	0♒11	10°22	5°22	15°47	16°17	24°14	25°22	22°59	n.a.	T 4
F 5	10 21 37	7°24'34	23°31	9°47	21°33	19°41	0°24	10°30	5°25	15°45	16°19	24°16	25°19	23° 5	n.a.	F 5
S 6	10 25 33	8°23'20	5♏28	10°44	22°28	19°R41	0°37	10°38	5°28	15°44	16°20	24°17	25°16	23°12	n.a.	S 6
S 7	10 29 30	9°22'04	17°35	11°45	23°23	19°41	0°50	10°45	5°31	15°42	16°21	24°18	25°12	23°19	n.a.	S 7
M 8	10 33 26	10°20'46	29°57	12°47	24°18	19°40	1° 2	10°53	5°34	15°40	16°22	24°19	25° 9	23°25	n.a.	M 8
T 9	10 37 23	11°19'26	12♐37	13°53	25°14	19°39	1°15	11° 1	5°37	15°39	16°23	24°R19	25° 6	23°32	n.a.	T 9
W10	10 41 19	12°18'05	25°41	15° 1	26°11	19°37	1°27	11° 9	5°40	15°37	16°24	24°19	25° 3	23°38	n.a.	W10
T 11	10 45 16	13°16'42	9♑10	16°11	27° 7	19°34	1°40	11°16	5°43	15°35	16°25	24°18	25° 0	23°45	n.a.	T 11
F 12	10 49 12	14°15'17	23° 6	17°24	28° 5	19°30	1°52	11°24	5°46	15°34	16°27	24°17	24°57	23°52	n.a.	F 12
S 13	10 53 9	15°13'50	7♒28	18°39	29° 3	19°25	2° 5	11°32	5°49	15°32	16°28	24°16	24°53	23°58	n.a.	S 13
S 14	10 57 6	16°12'21	22°14	19°56	0♒ 1	19°20	2°17	11°39	5°52	15°31	16°29	24°15	24°50	24° 5	n.a.	S 14
M15	11 1 2	17°10'51	7♓16	21°15	0°59	19°13	2°29	11°47	5°54	15°29	16°30	24°15	24°47	24°12	n.a.	M15
T 16	11 4 59	18° 9'18	22°27	22°37	1°58	19° 6	2°41	11°55	5°57	15°27	16°31	24°D14	24°44	24°18	n.a.	T 16
W17	11 8 55	19° 7'44	7♈37	24° 0	2°58	18°59	2°53	12° 3	6° 0	15°26	16°32	24°14	24°41	24°25	n.a.	W17
T 18	11 12 52	20° 6'07	22°37	25°25	3°57	18°50	3° 5	12°10	6° 3	15°24	16°33	24°15	24°38	24°32	n.a.	T 18
F 19	11 16 48	21° 4'28	7♉19	26°52	4°57	18°41	3°17	12°18	6° 5	15°22	16°34	24°15	24°34	24°38	n.a.	F 19
S 20	11 20 45	22° 2'47	21°38	28°21	5°57	18°31	3°29	12°26	6° 8	15°21	16°34	24°15	24°31	24°45	n.a.	S 20
S 21	11 24 41	23° 1'04	5♊31	29°51	6°58	18°20	3°41	12°33	6°10	15°19	16°35	24°15	24°28	24°52	n.a.	S 21
M22	11 28 38	23°59'19	18°59	1♓24	7°59	18° 9	3°52	12°41	6°13	15°17	16°36	24°15	24°25	24°58	n.a.	M22
T 23	11 32 35	24°57'32	2♋ 3	2°58	9° 0	17°57	4° 4	12°49	6°16	15°16	16°37	24°15	24°22	25° 5	n.a.	T 23
W24	11 36 31	25°55'42	14°45	4°35	10° 2	17°44	4°15	12°56	6°18	15°14	16°38	24°16	24°18	25°11	n.a.	W24
T 25	11 40 28	26°53'50	27°10	6°13	11° 4	17°30	4°27	13° 4	6°21	15°13	16°39	24°16	24°15	25°18	n.a.	T 25
F 26	11 44 24	27°51'57	9♌21	7°52	12° 6	17°16	4°38	13°11	6°23	15°11	16°39	24°16	24°12	25°25	n.a.	F 26
S 27	11 48 21	28°50'01	21°22	9°34	13° 8	17° 1	4°49	13°19	6°25	15° 9	16°40	24°17	24° 9	25°31	n.a.	S 27
S 28	11 52 17	29°48'03	3♍15	11°17	14°11	16°46	5° 0	13°26	6°28	15° 8	16°41	24°17	24° 6	25°38	n.a.	S 28
M29	11 56 14	0♈46'03	15° 4	13° 3	15°13	16°30	5°11	13°34	6°30	15° 6	16°42	24°17	24° 3	25°45	n.a.	M29
T 30	12 0 10	1°44'02	26°52	14°50	16°16	16°13	5°22	13°41	6°32	15° 5	16°42	24°R17	23°59	25°51	n.a.	T 30
W31	12 4 7	2♈41'58	8♎40	16♓39	17♒20	15♎56	5♒33	13♓49	6♒35	15♍ 3	16♑43	24♍17	23♍56	25♍58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10s22	7n50	1s38	19s29	0s35	19s41	2n53	5s25	2n31	21s19	0s48	9s57	2s11	19s53	0s40	7n21	1n51	31s35	8s53	2n19	1n48	2n43		n.a.
T 2	10 0	4 15	0 34	19 28	0 46	19 41	2 46	5 27	2 30	21 17	0 48	9 54	2 11	19 52	0 40	7 22	1 51	31 35	8 53	2 19	1 49	2 41		n.a.
W 3	9 39	0 32	0n31	19 25	0 56	19 41	2 39	5 28	2 30	21 14	0 49	9 51	2 11	19 51	0 40	7 23	1 51	31 35	8 53	2 19	1 51	2 40		n.a.
T 4	9 17	3s13	1 35	19 21	1 6	19 40	2 31	5 29	2 30	21 11	0 49	9 48	2 11	19 50	0 40	7 23	1 51	31 35	8 53	2 19	1 52	2 38		n.a.
F 5	8 55	6 51	2 35	19 15	1 15	19 39	2 24	5 30	2 29	21 9	0 49	9 45	2 11	19 50	0 40	7 24	1 51	31 35	8 54	2 19	1 53	2 36		n.a.
S 6	8 32	10 15	3 29	19 8	1 24	19 37	2 17	5 31	2 29	21 6	0 49	9 42	2 11	19 49	0 40	7 25	1 51	31 35	8 54	2 18	1 55	2 34		n.a.
S 7	8 10	13 15	4 15	18 59	1 32	19 35	2 11	5 31	2 28	21 3	0 49	9 39	2 11	19 48	0 40	7 25	1 51	31 35	8 54	2 18	1 56	2 32		n.a.
M 8	7 48	15 43	4 49	18 48	1 40	19 32	2 4	5 31	2 28	21 1	0 49	9 37	2 12	19 47	0 40	7 26	1 51	31 35	8 54	2 17	1 57	2 30		n.a.
T 9	7 25	17 29	5 11	18 36	1 47	19 28	1 57	5 31	2 27	20 58	0 50	9 34	2 12	19 47	0 40	7 27	1 51	31 35	8 55	2 17	1 58	2 28		n.a.
W10	7 2	18 25	5 17	18 22	1 53	19 25	1 50	5 31	2 27	20 55	0 50	9 31	2 12	19 46	0 40	7 27	1 51	31 36	8 55	2 17	2 0	2 27		n.a.
T 11	6 40	18 21	5 7	18 6	1 59	19 20	1 44	5 31	2 26	20 53	0 50	9 28	2 12	19 45	0 40	7 28	1 51	31 36	8 55	2 18	2 1	2 25		n.a.
F 12	6 17	17 12	4 38	17 49	2 5	19 15	1 37	5 30	2 25	20 50	0 50	9 25	2 12	19 45	0 40	7 29	1 51	31 36	8 55	2 18	2 2	2 23		n.a.
S 13	5 54	14 56	3 52	17 30	2 10	19 10	1 30	5 29	2 24	20 47	0 50	9 22	2 12	19 44	0 40	7 29	1 51	31 36	8 56	2 18	2 3	2 21		n.a.
S 14	5 31	11 38	2 49	17 10	2 14	19 4	1 24	5 27	2 24	20 45	0 50	9 19	2 12	19 43	0 40	7 30	1 51	31 36	8 56	2 19	2 5	2 19		n.a.
M15	5 8	7 31	1 33	16 47	2 18	18 57	1 18	5 26	2 23	20 42	0 51	9 16	2 12	19 43	0 40	7 31	1 51	31 36	8 56	2 19	2 6	2 17		n.a.
T 16	4 45	2 53	0 10	16 24	2 21	18 50	1 11	5 24	2 22	20 39	0 51	9 13	2 12	19 42	0 40	7 31	1 51	31 36	8 56	2 19	2 7	2 15		n.a.
W17	4 22	1n56	1s14	15 58	2 24	18 43	1 5	5 22	2 21	20 37	0 51	9 10	2 12	19 41	0 40	7 32	1 51	31 36	8 57	2 19	2 9	2 14		n.a.
T 18	3 58	6 35	2 31	15 31	2 27	18 35	0 59	5 20	2 19	20 34	0 51	9 7	2 12	19 41	0 40	7 32	1 51	31 37	8 57	2 19	2 10	2 12		n.a.
F 19	3 35	10 43	3 38	15 3	2 28	18 26	0 53	5 18	2 18	20 32	0 51	9 4	2 12	19 40	0 40	7 33	1 51	31 37	8 57	2 19	2 11	2 10		n.a.
S 20	3 12	14 7	4 28	14 33	2 29	18 17	0 47	5 15	2 17	20 29	0 52	9 1	2 12	19 39	0 40	7 34	1 51	31 37	8 58	2 19	2 12	2 8		n.a.
S 21	2 49	16 35	5 1	14 1	2 30	18 7	0 42	5 12	2 16	20 26	0 52	8 58	2 12	19 39	0 41	7 34	1 51	31 37	8 58	2 19	2 14	2 6		n.a.
M22	2 25	18 3	5 17	13 28	2 30	17 57	0 36	5 9	2 14	20 24	0 52	8 55	2 12	19 38	0 41	7 35	1 51	31 37	8 58	2 19	2 15	2 4		n.a.
T 23	2 2	18 30	5 15	12 53	2 30	17 46	0 30	5 5	2 13	20 21	0 52	8 52	2 12	19 37	0 41	7 36	1 51	31 37	8 58	2 19	2 16	2 2		n.a.
W24	1 38	18 0	4 58	12 16	2 29	17 35	0 25	5 2	2 11	20 19	0 52	8 50	2 12	19 37	0 41	7 36	1 51	31 37	8 59	2 19	2 18	2 1		n.a.
T 25	1 15	16 39	4 27	11 38	2 27	17 23	0 19	4 58	2 10	20 16	0 53	8 47	2 12	19 36	0 41	7 37	1 51	31 38	8 59	2 19	2 19	1 59		n.a.
F 26	0 52	14 33	3 45	10 58	2 25	17 11	0 14	4 54	2 8	20 14	0 53	8 44	2 12	19 36	0 41	7 38	1 51	31 38	8 59	2 18	2 20	1 57		n.a.
S 27	0 28	11 51	2 53	10 17	2 22	16 58	0 9	4 50	2 6	20 11	0 53	8 41	2 12	19 35	0 41	7 38	1 51	31 38	8 59	2 18	2 21	1 55		n.a.
S 28	0 5	8 41	1 54	9 34	2 19	16 45	0 3	4 46	2 5	20 9	0 53	8 38	2 13	19 34	0 41	7 39	1 51	31 38	9 0	2 18	2 23	1 53		n.a.
M29	0n19	5 11	0 51	8 50	2 15	16 31	0s 2	4 41	2 3	20 6	0 53	8 35	2 13	19 34	0 41	7 39	1 51	31 38	9 0	2 18	2 24	1 51		n.a.
T 30	0 42	1 29	0n14	8 4	2 11	16 17	0 7	4 37	2 1	20 4	0 54	8 32	2 13	19 33	0 41	7 40	1 51	31 39	9 0	2 18	2 25	1 49		n.a.
W31	1n 5	2s17	1n19	7s16	2s 6	16s 2	0s11	4s32	1n59	20s 1	0s54	8s29	2s13	19s33	0s41	7n41	1n51	31s39	9s 1	2n18	2n26	1n48		n.a.

Julian Day Number = 1471651.5, Delta T = 05h30m26s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'04, Lahiri = -13°24'04 Julian Calendar 1 March 684 BCE == Greg. Calendar 22 Feb. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

APRIL 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 8 3	3♈39'53	20♎32	18♓29	18♒23	15°R38	5♒44	13♓56	6♒37	15°R 2	16♑44	24°R16	23♍53	26♍ 5	n.a.	T 1
F 2	12 12 0	4°37'47	2♏28	20°22	19°27	15♎20	5°54	14° 4	6°39	15♍ 0	16°44	24♍15	23°50	26°11	n.a.	F 2
S 3	12 15 57	5°35'39	14°32	22°16	20°31	15° 2	6° 5	14°11	6°41	14°59	16°45	24°14	23°47	26°18	n.a.	S 3
S 4	12 19 53	6°33'29	26°47	24°12	21°35	14°42	6°15	14°18	6°43	14°57	16°45	24°12	23°43	26°25	n.a.	S 4
M 5	12 23 50	7°31'18	9♐14	26°10	22°40	14°23	6°25	14°26	6°45	14°56	16°46	24°10	23°40	26°31	n.a.	M 5
T 6	12 27 46	8°29'06	21°57	28°10	23°44	14° 3	6°36	14°33	6°48	14°54	16°46	24° 9	23°37	26°38	n.a.	T 6
W 7	12 31 43	9°26'52	4♑58	0♈11	24°49	13°43	6°46	14°40	6°50	14°53	16°47	24°D 9	23°34	26°45	n.a.	W 7
T 8	12 35 39	10°24'37	18°21	2°14	25°54	13°23	6°56	14°48	6°51	14°51	16°47	24° 9	23°31	26°51	n.a.	T 8
F 9	12 39 36	11°22'21	2♒ 7	4°19	26°59	13° 2	7° 6	14°55	6°53	14°50	16°48	24°10	23°28	26°58	n.a.	F 9
S 10	12 43 32	12°20'04	16°17	6°24	28° 4	12°41	7°15	15° 2	6°55	14°48	16°48	24°11	23°24	27° 4	n.a.	S 10
S 11	12 47 29	13°17'46	0♓49	8°32	29°10	12°20	7°25	15° 9	6°57	14°47	16°48	24°12	23°21	27°11	n.a.	S 11
M12	12 51 26	14°15'26	15°40	10°40	0♓16	11°59	7°34	15°16	6°59	14°46	16°49	24°13	23°18	27°18	n.a.	M12
T 13	12 55 22	15°13'05	0♈44	12°50	1°21	11°38	7°44	15°23	7° 1	14°44	16°49	24°R13	23°15	27°24	n.a.	T 13
W14	12 59 19	16°10'42	15°52	15° 0	2°27	11°17	7°53	15°30	7° 2	14°43	16°49	24°12	23°12	27°31	n.a.	W14
T 15	13 3 15	17° 8'18	0♉55	17°11	3°34	10°56	8° 2	15°37	7° 4	14°41	16°50	24°10	23° 9	27°38	n.a.	T 15
F 16	13 7 12	18° 5'53	15°45	19°22	4°40	10°35	8°11	15°44	7° 6	14°40	16°50	24° 7	23° 5	27°44	n.a.	F 16
S 17	13 11 8	19° 3'27	0♊14	21°33	5°46	10°14	8°20	15°51	7° 7	14°39	16°50	24° 3	23° 2	27°51	n.a.	S 17
S 18	13 15 5	20° 0'59	14°17	23°44	6°53	9°53	8°29	15°58	7° 9	14°38	16°50	24° 0	22°59	27°58	n.a.	S 18
M19	13 19 1	20°58'29	27°53	25°55	7°59	9°33	8°38	16° 5	7°10	14°36	16°50	23°57	22°56	28° 4	n.a.	M19
T 20	13 22 58	21°55'58	11♋ 1	28° 5	9° 6	9°13	8°46	16°12	7°12	14°35	16°51	23°56	22°53	28°11	n.a.	T 20
W21	13 26 55	22°53'26	23°45	0♉13	10°13	8°53	8°54	16°19	7°13	14°34	16°51	23°D55	22°49	28°18	n.a.	W21
T 22	13 30 51	23°50'52	6♌ 9	2°21	11°20	8°34	9° 3	16°25	7°14	14°33	16°51	23°56	22°46	28°24	n.a.	T 22
F 23	13 34 48	24°48'16	18°16	4°27	12°27	8°15	9°11	16°32	7°16	14°32	16°51	23°57	22°43	28°31	n.a.	F 23
S 24	13 38 44	25°45'40	0♍12	6°31	13°35	7°56	9°19	16°39	7°17	14°30	16°51	23°59	22°40	28°37	n.a.	S 24
S 25	13 42 41	26°43'02	12° 2	8°33	14°42	7°38	9°26	16°45	7°18	14°29	16°R51	24° 1	22°37	28°44	n.a.	S 25
M26	13 46 37	27°40'22	23°48	10°33	15°49	7°21	9°34	16°52	7°19	14°28	16°51	24°R 1	22°34	28°51	n.a.	M26
T 27	13 50 34	28°37'42	5♎36	12°31	16°57	7° 4	9°42	16°58	7°21	14°27	16°51	24° 0	22°30	28°57	n.a.	T 27
W28	13 54 30	29°35'00	17°28	14°27	18° 5	6°48	9°49	17° 4	7°22	14°26	16°51	23°58	22°27	29° 4	n.a.	W28
T 29	13 58 27	0♉32'18	29°27	16°20	19°13	6°32	9°56	17°11	7°23	14°25	16°51	23°54	22°24	29°11	n.a.	T 29
F 30	14 2 23	1♉29'34	11♏33	18♉11	20♓21	6♎17	10♒ 3	17♓17	7♒24	14♍24	16♑50	23♍49	22♍21	29♍17	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n29	5s58	2n21	6s28	2s 1	15s47	0s16	4s27	1n57	19s59	0s54	8s27	2s13	19s32	0s41	7n41	1n51	31s39	9s 1	2n18	2n28	1n46		n.a.
F 2	1 52	9 26	3 17	5 37	1 55	15 31	0 21	4 22	1 55	19 56	0 54	8 24	2 13	19 32	0 41	7 42	1 51	31 39	9 1	2 19	2 29	1 44		n.a.
S 3	2 15	12 32	4 4	4 46	1 48	15 15	0 25	4 17	1 52	19 54	0 55	8 21	2 13	19 31	0 41	7 42	1 51	31 39	9 1	2 19	2 30	1 42		n.a.
S 4	2 38	15 9	4 41	3 53	1 41	14 58	0 30	4 11	1 50	19 51	0 55	8 18	2 13	19 31	0 41	7 43	1 51	31 40	9 2	2 20	2 32	1 40		n.a.
M 5	3 2	17 6	5 6	2 59	1 34	14 41	0 34	4 6	1 48	19 49	0 55	8 15	2 13	19 30	0 41	7 44	1 51	31 40	9 2	2 21	2 33	1 38		n.a.
T 6	3 25	18 16	5 17	2 3	1 26	14 24	0 38	4 0	1 45	19 47	0 55	8 13	2 13	19 30	0 41	7 44	1 51	31 40	9 2	2 21	2 34	1 36		n.a.
W 7	3 48	18 30	5 11	1 7	1 18	14 6	0 42	3 55	1 43	19 44	0 55	8 10	2 14	19 29	0 41	7 45	1 51	31 40	9 3	2 21	2 35	1 34		n.a.
T 8	4 11	17 43	4 49	0 9	1 9	13 47	0 46	3 49	1 40	19 42	0 56	8 7	2 14	19 29	0 41	7 45	1 51	31 41	9 3	2 21	2 37	1 33		n.a.
F 9	4 34	15 54	4 10	0n50	1 0	13 29	0 50	3 43	1 37	19 40	0 56	8 4	2 14	19 28	0 41	7 46	1 51	31 41	9 3	2 21	2 38	1 31		n.a.
S 10	4 56	13 5	3 15	1 49	0 50	13 9	0 54	3 38	1 35	19 37	0 56	8 2	2 14	19 28	0 41	7 46	1 51	31 41	9 4	2 21	2 39	1 29		n.a.
S 11	5 19	9 23	2 6	2 49	0 40	12 50	0 58	3 32	1 32	19 35	0 56	7 59	2 14	19 27	0 41	7 47	1 51	31 41	9 4	2 20	2 40	1 27		n.a.
M12	5 42	5 0	0 47	3 49	0 30	12 30	1 2	3 26	1 29	19 33	0 57	7 56	2 14	19 27	0 41	7 47	1 51	31 41	9 4	2 20	2 42	1 25		n.a.
T 13	6 4	0 15	0s36	4 50	0 20	12 9	1 5	3 21	1 26	19 31	0 57	7 54	2 14	19 27	0 41	7 48	1 51	31 42	9 4	2 20	2 43	1 23		n.a.
W14	6 27	4n32	1 57	5 51	0 9	11 48	1 8	3 15	1 23	19 28	0 57	7 51	2 14	19 26	0 41	7 48	1 51	31 42	9 5	2 20	2 44	1 21		n.a.
T 15	6 49	9 1	3 9	6 51	0n 1	11 27	1 12	3 9	1 20	19 26	0 57	7 48	2 15	19 26	0 41	7 49	1 51	31 42	9 5	2 21	2 46	1 20		n.a.
F 16	7 12	12 51	4 7	7 52	0 12	11 6	1 15	3 4	1 17	19 24	0 58	7 46	2 15	19 25	0 41	7 49	1 51	31 43	9 5	2 22	2 47	1 18		n.a.
S 17	7 34	15 48	4 48	8 52	0 22	10 44	1 18	2 58	1 14	19 22	0 58	7 43	2 15	19 25	0 41	7 50	1 51	31 43	9 6	2 24	2 48	1 16		n.a.
S 18	7 56	17 42	5 10	9 51	0 33	10 22	1 21	2 53	1 11	19 20	0 58	7 41	2 15	19 25	0 41	7 50	1 51	31 43	9 6	2 25	2 49	1 14		n.a.
M19	8 18	18 32	5 14	10 49	0 43	9 59	1 24	2 48	1 8	19 18	0 58	7 38	2 15	19 24	0 41	7 51	1 51	31 43	9 6	2 26	2 51	1 12		n.a.
T 20	8 40	18 19	5 1	11 45	0 53	9 36	1 27	2 43	1 5	19 16	0 59	7 36	2 15	19 24	0 41	7 51	1 51	31 44	9 7	2 27	2 52	1 10		n.a.
W21	9 1	17 10	4 33	12 41	1 2	9 13	1 29	2 38	1 2	19 14	0 59	7 33	2 15	19 24	0 42	7 52	1 51	31 44	9 7	2 27	2 53	1 8		n.a.
T 22	9 23	15 14	3 53	13 34	1 12	8 50	1 32	2 33	0 59	19 12	0 59	7 31	2 16	19 23	0 42	7 52	1 51	31 44	9 7	2 27	2 54	1 6		n.a.
F 23	9 44	12 39	3 4	14 26	1 20	8 26	1 34	2 28	0 55	19 10	0 59	7 28	2 16	19 23	0 42	7 53	1 51	31 44	9 7	2 26	2 56	1 5		n.a.
S 24	10 5	9 35	2 7	15 16	1 28	8 2	1 37	2 24	0 52	19 8	1 0	7 26	2 16	19 23	0 42	7 53	1 51	31 45	9 8	2 25	2 57	1 3		n.a.
S 25	10 27	6 9	1 5	16 4	1 36	7 37	1 39	2 20	0 49	19 6	1 0	7 23	2 16	19 22	0 42	7 53	1 51	31 45	9 8	2 25	2 58	1 1		n.a.
M26	10 47	2 28	0 1	16 49	1 43	7 13	1 41	2 16	0 46	19 4	1 0	7 21	2 16	19 22	0 42	7 54	1 51	31 45	9 8	2 24	3 0	0 59		n.a.
T 27	11 8	1s18	1n 3	17 33	1 50	6 48	1 43	2 12	0 42	19 3	1 0	7 18	2 16	19 22	0 42	7 54	1 51	31 46	9 9	2 25	3 1	0 57		n.a.
W28	11 29	5 2	2 5	18 14	1 55	6 23	1 45	2 8	0 39	19 1	1 1	7 16	2 17	19 22	0 42	7 54	1 51	31 46	9 9	2 26	3 2	0 55		n.a.
T 29	11 49	8 36	3 1	18 52	2 0	5 58	1 47	2 5	0 36	18 59	1 1	7 14	2 17	19 21	0 42	7 55	1 51	31 46	9 9	2 27	3 3	0 53		n.a.
F 30	12n 9	11s52	3n50	19n28	2n 5	5s32	1s48	2s 2	0n33	18s57	1s 1	7s11	2s17	19s21	0s42	7n55	1n51	31s47	9s10	2n29	3n 5	0n51		n.a.

Julian Day Number = 1471682.5, Delta T = 05h30m24s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°31'00, Lahiri = -13°24'00 Julian Calendar 1 Apr. 684 BCE == Greg. Calendar 25 March 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

MAY 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 6 20	2♉26'50	23♏50	19♉59	21♓29	6°R 2	10♒10	17♓23	7♒25	14°R23	16°R50	23°R42	22♍18	29♍24	n.a.	S 1
S 2	14 10 17	3°24'05	6♐18	21°44	22°37	5♎48	10°17	17°30	7°26	14♍22	16♑50	23♍35	22°14	29°31	n.a.	S 2
M 3	14 14 13	4°21'19	18°57	23°27	23°45	5°35	10°24	17°36	7°26	14°21	16°50	23°29	22°11	29°37	n.a.	M 3
T 4	14 18 10	5°18'33	1♑50	25° 8	24°53	5°23	10°30	17°42	7°27	14°20	16°50	23°23	22° 8	29°44	n.a.	T 4
W 5	14 22 6	6°15'46	14°58	26°45	26° 2	5°11	10°37	17°48	7°28	14°19	16°50	23°20	22° 5	29°51	n.a.	W 5
T 6	14 26 3	7°12'58	28°21	28°20	27°10	5° 0	10°43	17°54	7°29	14°19	16°49	23°18	22° 2	29°57	n.a.	T 6
F 7	14 29 59	8°10'11	12♒ 2	29°52	28°19	4°50	10°49	18° 0	7°29	14°18	16°49	23°D17	21°59	0♏ 4	n.a.	F 7
S 8	14 33 56	9° 7'23	26° 1	1♊21	29°28	4°41	10°55	18° 5	7°30	14°17	16°49	23°18	21°55	0°11	n.a.	S 8
S 9	14 37 53	10° 4'34	10♓17	2°48	0♈37	4°33	11° 1	18°11	7°30	14°16	16°48	23°19	21°52	0°17	n.a.	S 9
M10	14 41 49	11° 1'45	24°50	4°12	1°46	4°25	11° 6	18°17	7°31	14°15	16°48	23°R20	21°49	0°24	n.a.	M10
T 11	14 45 46	11°58'56	9♈35	5°33	2°55	4°18	11°12	18°23	7°31	14°15	16°48	23°19	21°46	0°30	n.a.	T 11
W12	14 49 42	12°56'06	24°28	6°51	4° 4	4°12	11°17	18°28	7°32	14°14	16°47	23°16	21°43	0°37	n.a.	W12
T 13	14 53 39	13°53'16	9♉19	8° 6	5°13	4° 7	11°22	18°34	7°32	14°13	16°47	23°10	21°40	0°44	n.a.	T 13
F 14	14 57 35	14°50'26	24° 2	9°18	6°22	4° 2	11°27	18°39	7°33	14°13	16°46	23° 3	21°36	0°50	n.a.	F 14
S 15	15 1 32	15°47'35	8♊29	10°27	7°31	3°59	11°31	18°45	7°33	14°12	16°46	22°55	21°33	0°57	n.a.	S 15
S 16	15 5 28	16°44'44	22°33	11°33	8°41	3°56	11°36	18°50	7°33	14°12	16°45	22°47	21°30	1° 4	n.a.	S 16
M17	15 9 25	17°41'52	6♋12	12°36	9°50	3°54	11°40	18°55	7°33	14°11	16°45	22°40	21°27	1°10	n.a.	M17
T 18	15 13 22	18°39'00	19°23	13°36	11° 0	3°53	11°45	19° 0	7°33	14°11	16°44	22°34	21°24	1°17	n.a.	T 18
W19	15 17 18	19°36'07	2♌10	14°32	12° 9	3°D53	11°49	19° 5	7°33	14°10	16°44	22°31	21°20	1°24	n.a.	W19
T 20	15 21 15	20°33'13	14°34	15°25	13°19	3°54	11°52	19°10	7°R33	14°10	16°43	22°29	21°17	1°30	n.a.	T 20
F 21	15 25 11	21°30'19	26°42	16°14	14°29	3°55	11°56	19°15	7°33	14° 9	16°42	22°D29	21°14	1°37	n.a.	F 21
S 22	15 29 8	22°27'25	8♍38	17° 0	15°39	3°58	12° 0	19°20	7°33	14° 9	16°42	22°30	21°11	1°44	n.a.	S 22
S 23	15 33 4	23°24'30	20°27	17°41	16°48	4° 1	12° 3	19°25	7°33	14° 8	16°41	22°R30	21° 8	1°50	n.a.	S 23
M24	15 37 1	24°21'34	2♎14	18°19	17°58	4° 5	12° 6	19°30	7°33	14° 8	16°40	22°30	21° 5	1°57	n.a.	M24
T 25	15 40 57	25°18'39	14° 5	18°53	19° 8	4° 9	12° 9	19°34	7°33	14° 8	16°40	22°27	21° 1	2° 4	n.a.	T 25
W26	15 44 54	26°15'43	26° 2	19°23	20°18	4°15	12°12	19°39	7°33	14° 8	16°39	22°23	20°58	2°10	n.a.	W26
T 27	15 48 51	27°12'47	8♏ 9	19°48	21°29	4°21	12°14	19°43	7°32	14° 7	16°38	22°16	20°55	2°17	n.a.	T 27
F 28	15 52 47	28° 9'50	20°28	20°10	22°39	4°28	12°17	19°48	7°32	14° 7	16°37	22° 6	20°52	2°23	n.a.	F 28
S 29	15 56 44	29° 6'54	3♐ 1	20°26	23°49	4°36	12°19	19°52	7°32	14° 7	16°37	21°55	20°49	2°30	n.a.	S 29
S 30	16 0 40	0♊ 3'58	15°46	20°38	24°59	4°44	12°21	19°56	7°31	14° 7	16°36	21°44	20°46	2°37	n.a.	S 30
M31	16 4 37	1♊ 1'03	28♐45	20♊46	26♈10	4♎54	12♒23	20♓ 0	7♒31	14♍ 7	16♑35	21♍33	20♍42	2♎43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n30	14s39	4n29	20n 2	2n 8	5s 6	1s50	1s59	0n29	18s56	1s 2	7s 9	2s17	19s21	0s42	7n56	1n51	31s47	9s10	2n32	3n 6	0n50		n.a.
S 2	12 49	16 48	4 56	20 34	2 11	4 40	1 52	1 56	0 26	18 54	1 2	7 7	2 17	19 21	0 42	7 56	1 51	31 47	9 10	2 35	3 7	0 48		n.a.
M 3	13 9	18 11	5 9	21 3	2 13	4 14	1 53	1 54	0 23	18 53	1 2	7 4	2 18	19 21	0 42	7 56	1 50	31 48	9 10	2 37	3 8	0 46		n.a.
T 4	13 28	18 39	5 7	21 29	2 15	3 48	1 54	1 52	0 20	18 51	1 2	7 2	2 18	19 20	0 42	7 57	1 50	31 48	9 11	2 40	3 10	0 44		n.a.
W 5	13 48	18 9	4 48	21 54	2 15	3 22	1 55	1 50	0 17	18 50	1 3	7 0	2 18	19 20	0 42	7 57	1 50	31 48	9 11	2 41	3 11	0 42		n.a.
T 6	14 7	16 38	4 14	22 16	2 15	2 55	1 57	1 48	0 14	18 48	1 3	6 58	2 18	19 20	0 42	7 57	1 50	31 49	9 11	2 42	3 12	0 40		n.a.
F 7	14 26	14 9	3 25	22 36	2 14	2 28	1 58	1 47	0 11	18 47	1 3	6 56	2 18	19 20	0 42	7 57	1 50	31 49	9 12	2 42	3 14	0 38		n.a.
S 8	14 44	10 48	2 22	22 53	2 13	2 1	1 58	1 46	0 7	18 45	1 4	6 54	2 19	19 20	0 42	7 58	1 50	31 49	9 12	2 42	3 15	0 36		n.a.
S 9	15 3	6 44	1 10	23 9	2 11	1 34	1 59	1 46	0 4	18 44	1 4	6 51	2 19	19 20	0 42	7 58	1 50	31 49	9 12	2 41	3 16	0 35		n.a.
M10	15 21	2 12	0s 8	23 22	2 8	1 7	2 0	1 45	0 1	18 43	1 4	6 49	2 19	19 20	0 42	7 58	1 50	31 50	9 12	2 41	3 17	0 33		n.a.
T 11	15 39	2n31	1 27	23 34	2 4	0 40	2 1	1 45	0s 2	18 42	1 4	6 47	2 19	19 20	0 42	7 58	1 50	31 50	9 13	2 41	3 19	0 31		n.a.
W12	15 56	7 8	2 40	23 43	1 59	0 13	2 1	1 46	0 5	18 40	1 5	6 45	2 19	19 20	0 42	7 59	1 50	31 50	9 13	2 43	3 20	0 29		n.a.
T 13	16 14	11 18	3 42	23 51	1 54	0n15	2 2	1 46	0 7	18 39	1 5	6 43	2 20	19 20	0 42	7 59	1 50	31 51	9 13	2 45	3 21	0 27		n.a.
F 14	16 31	14 42	4 29	23 56	1 48	0 42	2 2	1 47	0 10	18 38	1 5	6 41	2 20	19 19	0 42	7 59	1 50	31 51	9 14	2 48	3 22	0 25		n.a.
S 15	16 48	17 8	4 57	24 0	1 42	1 10	2 2	1 48	0 13	18 37	1 6	6 39	2 20	19 19	0 42	7 59	1 50	31 52	9 14	2 51	3 24	0 23		n.a.
S 16	17 4	18 28	5 7	24 3	1 35	1 37	2 2	1 50	0 16	18 36	1 6	6 37	2 20	19 19	0 42	7 59	1 50	31 52	9 14	2 54	3 25	0 21		n.a.
M17	17 21	18 40	4 58	24 3	1 27	2 5	2 2	1 51	0 19	18 35	1 6	6 36	2 20	19 19	0 43	8 0	1 50	31 52	9 14	2 57	3 26	0 19		n.a.
T 18	17 37	17 50	4 34	24 3	1 18	2 32	2 2	1 54	0 21	18 34	1 7	6 34	2 21	19 19	0 43	8 0	1 50	31 53	9 15	2 59	3 28	0 18		n.a.
W19	17 53	16 7	3 57	24 0	1 9	3 0	2 2	1 56	0 24	18 33	1 7	6 32	2 21	19 19	0 43	8 0	1 50	31 53	9 15	3 1	3 29	0 16		n.a.
T 20	18 8	13 41	3 9	23 56	0 59	3 28	2 2	1 59	0 27	18 33	1 7	6 30	2 21	19 19	0 43	8 0	1 50	31 53	9 15	3 1	3 30	0 14		n.a.
F 21	18 24	10 41	2 14	23 51	0 48	3 55	2 1	2 2	0 29	18 32	1 8	6 28	2 21	19 20	0 43	8 0	1 50	31 54	9 15	3 1	3 31	0 12		n.a.
S 22	18 39	7 19	1 14	23 45	0 37	4 23	2 1	2 5	0 32	18 31	1 8	6 27	2 22	19 20	0 43	8 0	1 50	31 54	9 16	3 1	3 33	0 10		n.a.
S 23	18 53	3 40	0 11	23 37	0 25	4 50	2 1	2 8	0 34	18 31	1 8	6 25	2 22	19 20	0 43	8 0	1 50	31 54	9 16	3 1	3 34	0 8		n.a.
M24	19 8	0s 7	0n52	23 28	0 13	5 18	2 0	2 12	0 37	18 30	1 9	6 23	2 22	19 20	0 43	8 0	1 49	31 55	9 16	3 1	3 35	0 6		n.a.
T 25	19 22	3 54	1 53	23 18	0 0	5 45	1 59	2 16	0 39	18 29	1 9	6 22	2 22	19 20	0 43	8 0	1 49	31 55	9 17	3 2	3 36	0 4		n.a.
W26	19 35	7 34	2 49	23 7	0s13	6 13	1 59	2 21	0 41	18 29	1 9	6 20	2 23	19 20	0 43	8 1	1 49	31 55	9 17	3 4	3 38	0 3		n.a.
T 27	19 49	10 59	3 38	22 55	0 27	6 40	1 58	2 25	0 44	18 29	1 9	6 19	2 23	19 20	0 43	8 1	1 49	31 56	9 17	3 7	3 39	0 1		n.a.
F 28	20 2	13 58	4 18	22 43	0 42	7 7	1 57	2 30	0 46	18 28	1 10	6 17	2 23	19 20	0 43	8 1	1 49	31 56	9 17	3 10	3 40	0s 1		n.a.
S 29	20 14	16 22	4 47	22 29	0 56	7 35	1 56	2 35	0 48	18 28	1 10	6 16	2 23	19 20	0 43	8 1	1 49	31 56	9 18	3 15	3 41	0 3		n.a.
S 30	20 27	18 1	5 1	22 15	1 11	8 2	1 55	2 41	0 50	18 28	1 10	6 14	2 24	19 20	0 43	8 1	1 49	31 57	9 18	3 19	3 43	0 5		n.a.
M31	20n39	18s46	5n 0	22n 0	1s27	8n28	1s54	2s46	0s53	18s27	1s11	6s13	2s24	19s21	0s43	8n 1	1n49	31s57	9s18	3n24	3n44	0s 7		n.a.

Julian Day Number = 1471712.5, Delta T = 05h30m23s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'56, Lahiri = -13°23'56 Julian Calendar 1 May 684 BCE == Greg. Calendar 24 Apr. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

JUNE 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 8 33	1♊58'07	11♉56	20°R49	27♈20	5♎ 4	12♒24	20♓ 4	7°R30	14°R 7	16°R34	21°R24	20♍39	2♎50	n.a.	T 1
W 2	16 12 30	2°55'12	25°19	20♊47	28°31	5°14	12°26	20° 8	7♒29	14♍ 7	16♉33	21♍16	20°36	2°57	n.a.	W 2
T 3	16 16 26	3°52'17	8♒52	20°40	29°41	5°26	12°27	20°12	7°29	14°D 7	16°32	21°12	20°33	3° 3	n.a.	T 3
F 4	16 20 23	4°49'23	22°37	20°29	0♉52	5°38	12°28	20°16	7°28	14° 7	16°31	21°10	20°30	3°10	n.a.	F 4
S 5	16 24 20	5°46'29	6♓33	20°14	2° 3	5°50	12°29	20°20	7°27	14° 7	16°30	21°D 9	20°26	3°17	n.a.	S 5
S 6	16 28 16	6°43'36	20°39	19°54	3°14	6° 4	12°30	20°24	7°27	14° 7	16°29	21°R 9	20°23	3°23	n.a.	S 6
M 7	16 32 13	7°40'44	4♈55	19°30	4°25	6°18	12°30	20°27	7°26	14° 7	16°29	21° 9	20°20	3°30	n.a.	M 7
T 8	16 36 9	8°37'52	19°20	19° 2	5°36	6°32	12°30	20°31	7°25	14° 7	16°28	21° 7	20°17	3°37	n.a.	T 8
W 9	16 40 6	9°35'01	3♉49	18°31	6°47	6°48	12°R31	20°34	7°24	14° 7	16°27	21° 2	20°14	3°43	n.a.	W 9
T 10	16 44 2	10°32'10	18°19	17°57	7°58	7° 4	12°30	20°37	7°23	14° 8	16°26	20°54	20°11	3°50	n.a.	T 10
F 11	16 47 59	11°29'20	2♊43	17°20	9° 9	7°20	12°30	20°40	7°22	14° 8	16°25	20°44	20° 7	3°57	n.a.	F 11
S 12	16 51 56	12°26'31	16°54	16°41	10°20	7°37	12°30	20°43	7°21	14° 8	16°23	20°33	20° 4	4° 3	n.a.	S 12
S 13	16 55 52	13°23'42	0♋47	16° 1	11°31	7°55	12°29	20°46	7°20	14° 8	16°22	20°21	20° 1	4°10	n.a.	S 13
M14	16 59 49	14°20'54	14°19	15°21	12°42	8°13	12°28	20°49	7°19	14° 9	16°21	20°11	19°58	4°17	n.a.	M14
T 15	17 3 45	15°18'06	27°27	14°41	13°54	8°32	12°27	20°52	7°18	14° 9	16°20	20° 2	19°55	4°23	n.a.	T 15
W16	17 7 42	16°15'19	10♌12	14° 1	15° 5	8°52	12°26	20°55	7°17	14°10	16°19	19°56	19°52	4°30	n.a.	W16
T 17	17 11 38	17°12'32	22°37	13°23	16°17	9°12	12°24	20°57	7°15	14°10	16°18	19°52	19°48	4°36	n.a.	T 17
F 18	17 15 35	18° 9'46	4♍45	12°47	17°28	9°32	12°23	21° 0	7°14	14°11	16°17	19°50	19°45	4°43	n.a.	F 18
S 19	17 19 31	19° 6'59	16°41	12°14	18°40	9°53	12°21	21° 2	7°13	14°11	16°16	19°50	19°42	4°50	n.a.	S 19
S 20	17 23 28	20° 4'14	28°31	11°44	19°51	10°15	12°19	21° 5	7°11	14°12	16°15	19°50	19°39	4°56	n.a.	S 20
M21	17 27 25	21° 1'29	10♎20	11°19	21° 3	10°37	12°16	21° 7	7°10	14°12	16°13	19°49	19°36	5° 3	n.a.	M21
T 22	17 31 21	21°58'44	22°13	10°58	22°15	10°59	12°14	21° 9	7° 8	14°13	16°12	19°46	19°32	5°10	n.a.	T 22
W23	17 35 18	22°56'01	4♏15	10°42	23°26	11°22	12°11	21°11	7° 7	14°13	16°11	19°41	19°29	5°16	n.a.	W23
T 24	17 39 14	23°53'18	16°30	10°31	24°38	11°46	12° 9	21°13	7° 5	14°14	16°10	19°34	19°26	5°23	n.a.	T 24
F 25	17 43 11	24°50'35	29° 0	10°D27	25°50	12°10	12° 6	21°15	7° 4	14°15	16° 9	19°24	19°23	5°30	n.a.	F 25
S 26	17 47 7	25°47'54	11♐48	10°28	27° 2	12°34	12° 2	21°16	7° 2	14°15	16° 7	19°12	19°20	5°36	n.a.	S 26
S 27	17 51 4	26°45'14	24°52	10°35	28°14	12°59	11°59	21°18	7° 1	14°16	16° 6	18°59	19°17	5°43	n.a.	S 27
M28	17 55 0	27°42'34	8♑13	10°49	29°26	13°24	11°56	21°19	6°59	14°17	16° 5	18°47	19°13	5°50	n.a.	M28
T 29	17 58 57	28°39'56	21°47	11° 8	0♊38	13°50	11°52	21°21	6°57	14°18	16° 4	18°37	19°10	5°56	n.a.	T 29
W30	18 2 54	29♊37'19	5♒32	11♊35	1♊50	14♎16	11♒48	21♓22	6♒56	14♍19	16♑ 2	18♍29	19♍ 7	6♎ 3	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n51	18s31	4n44	21n45	1s42	8n55	1s53	2s52	0s55	18s27	1s11	6s11	2s24	19s21	0s43	8n 1	1n49	31s57	9s18	3n28	3n45	0s 9		n.a.
W 2	21 2	17 15	4 11	21 30	1 58	9 22	1 51	2 59	0 57	18 27	1 11	6 10	2 24	19 21	0 43	8 1	1 49	31 58	9 18	3 30	3 47	0 11		n.a.
T 3	21 13	15 0	3 25	21 14	2 13	9 48	1 50	3 5	0 59	18 27	1 12	6 9	2 25	19 21	0 43	8 0	1 49	31 58	9 19	3 32	3 48	0 13		n.a.
F 4	21 24	11 53	2 25	20 57	2 29	10 15	1 49	3 12	1 1	18 27	1 12	6 7	2 25	19 21	0 43	8 0	1 49	31 58	9 19	3 33	3 49	0 14		n.a.
S 5	21 34	8 3	1 17	20 41	2 44	10 41	1 47	3 19	1 3	18 27	1 12	6 6	2 25	19 22	0 43	8 0	1 49	31 59	9 19	3 33	3 50	0 16		n.a.
S 6	21 44	3 43	0 3	20 25	2 59	11 7	1 46	3 26	1 5	18 27	1 13	6 5	2 26	19 22	0 43	8 0	1 49	31 59	9 19	3 33	3 52	0 18		n.a.
M 7	21 54	0n53	1s12	20 9	3 13	11 32	1 44	3 33	1 7	18 27	1 13	6 4	2 26	19 22	0 43	8 0	1 49	32 0	9 20	3 33	3 53	0 20		n.a.
T 8	22 3	5 28	2 23	19 53	3 27	11 58	1 42	3 41	1 8	18 28	1 13	6 3	2 26	19 22	0 43	8 0	1 49	32 0	9 20	3 34	3 54	0 22		n.a.
W 9	22 12	9 45	3 26	19 38	3 39	12 23	1 41	3 48	1 10	18 28	1 14	6 2	2 26	19 23	0 43	8 0	1 49	32 0	9 20	3 36	3 55	0 24		n.a.
T 10	22 20	13 27	4 14	19 23	3 51	12 48	1 39	3 56	1 12	18 28	1 14	6 0	2 27	19 23	0 43	8 0	1 49	32 1	9 20	3 39	3 57	0 26		n.a.
F 11	22 29	16 19	4 47	19 9	4 2	13 13	1 37	4 5	1 14	18 29	1 14	5 59	2 27	19 23	0 43	8 0	1 49	32 1	9 20	3 43	3 58	0 28		n.a.
S 12	22 36	18 8	5 0	18 56	4 11	13 37	1 35	4 13	1 15	18 29	1 15	5 59	2 27	19 23	0 43	7 59	1 48	32 1	9 21	3 48	3 59	0 30		n.a.
S 13	22 44	18 50	4 56	18 44	4 20	14 1	1 33	4 22	1 17	18 30	1 15	5 58	2 27	19 24	0 44	7 59	1 48	32 2	9 21	3 52	4 0	0 31		n.a.
M14	22 51	18 26	4 35	18 33	4 26	14 25	1 31	4 30	1 19	18 30	1 15	5 57	2 28	19 24	0 44	7 59	1 48	32 2	9 21	3 57	4 2	0 33		n.a.
T 15	22 57	17 2	4 0	18 23	4 31	14 49	1 29	4 39	1 20	18 31	1 16	5 56	2 28	19 24	0 44	7 59	1 48	32 2	9 21	4 0	4 3	0 35		n.a.
W16	23 3	14 50	3 14	18 15	4 35	15 12	1 27	4 49	1 22	18 31	1 16	5 55	2 28	19 25	0 44	7 59	1 48	32 3	9 21	4 3	4 4	0 37		n.a.
T 17	23 9	11 59	2 19	18 9	4 37	15 35	1 25	4 58	1 23	18 32	1 16	5 54	2 29	19 25	0 44	7 58	1 48	32 3	9 22	4 4	4 5	0 39		n.a.
F 18	23 14	8 41	1 19	18 4	4 37	15 58	1 23	5 7	1 25	18 33	1 17	5 53	2 29	19 26	0 44	7 58	1 48	32 3	9 22	4 5	4 7	0 41		n.a.
S 19	23 19	5 4	0 17	18 2	4 35	16 20	1 20	5 17	1 26	18 34	1 17	5 53	2 29	19 26	0 44	7 58	1 48	32 4	9 22	4 5	4 8	0 43		n.a.
S 20	23 24	1 18	0n46	18 1	4 32	16 42	1 18	5 27	1 28	18 35	1 17	5 52	2 29	19 26	0 44	7 58	1 48	32 4	9 22	4 5	4 9	0 45		n.a.
M21	23 28	2s31	1 46	18 2	4 28	17 3	1 16	5 37	1 29	18 36	1 18	5 52	2 30	19 27	0 44	7 57	1 48	32 4	9 22	4 5	4 11	0 47		n.a.
T 22	23 32	6 15	2 43	18 5	4 21	17 24	1 14	5 47	1 30	18 37	1 18	5 51	2 30	19 27	0 44	7 57	1 48	32 5	9 23	4 6	4 12	0 48		n.a.
W23	23 35	9 47	3 32	18 10	4 14	17 45	1 11	5 58	1 32	18 38	1 18	5 50	2 30	19 27	0 44	7 57	1 48	32 5	9 23	4 8	4 13	0 50		n.a.
T 24	23 38	12 58	4 13	18 18	4 5	18 5	1 9	6 8	1 33	18 39	1 19	5 50	2 31	19 28	0 44	7 57	1 48	32 5	9 23	4 11	4 14	0 52		n.a.
F 25	23 40	15 37	4 42	18 27	3 55	18 25	1 6	6 19	1 34	18 40	1 19	5 49	2 31	19 28	0 44	7 56	1 48	32 5	9 23	4 15	4 16	0 54		n.a.
S 26	23 42	17 35	4 58	18 38	3 44	18 44	1 4	6 30	1 35	18 41	1 19	5 49	2 31	19 29	0 44	7 56	1 48	32 6	9 23	4 20	4 17	0 56		n.a.
S 27	23 44	18 41	4 59	18 50	3 33	19 3	1 1	6 41	1 37	18 42	1 19	5 49	2 32	19 29	0 44	7 56	1 48	32 6	9 23	4 25	4 18	0 58		n.a.
M28	23 45	18 48	4 44	19 5	3 20	19 21	0 59	6 52	1 38	18 44	1 20	5 48	2 32	19 30	0 44	7 55	1 48	32 6	9 23	4 30	4 19	1 0		n.a.
T 29	23 46	17 50	4 13	19 21	3 7	19 39	0 56	7 3	1 39	18 45	1 20	5 48	2 32	19 30	0 44	7 55	1 48	32 7	9 24	4 34	4 21	1 2		n.a.
W30	23n46	15s49	3n26	19n38	2s53	19n57	0s54	7s14	1s40	18s46	1s20	5s48	2s32	19s31	0s44	7n54	1n47	32s 7	9s24	4n37	4n22	1s 4		n.a.

Julian Day Number = 1471743.5, Delta T = 05h30m21s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'52, Lahiri = -13°23'51 Julian Calendar 1 June 684 BCE == Greg. Calendar 25 May 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

JULY 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 6 50	0♋34'43	19♒25	12♊ 7	3♊ 2	14♎43	11°R44	21♓23	6°R54	14♍20	16°R 1	18°R24	19♍ 4	6♎10	n.a.	T 1
F 2	18 10 47	1°32'08	3♓25	12°47	4°15	15°10	11♒40	21°24	6♒52	14°20	16♑ 0	18♍22	19° 1	6°16	n.a.	F 2
S 3	18 14 43	2°29'35	17°28	13°32	5°27	15°37	11°35	21°25	6°50	14°21	15°59	18°D21	18°57	6°23	n.a.	S 3
S 4	18 18 40	3°27'04	1♈34	14°24	6°39	16° 5	11°31	21°26	6°48	14°22	15°57	18°R21	18°54	6°30	n.a.	S 4
M 5	18 22 36	4°24'33	15°42	15°22	7°52	16°33	11°26	21°27	6°46	14°23	15°56	18°21	18°51	6°36	n.a.	M 5
T 6	18 26 33	5°22'05	29°51	16°26	9° 4	17° 1	11°21	21°28	6°45	14°24	15°55	18°19	18°48	6°43	n.a.	T 6
W 7	18 30 29	6°19'38	14♉ 0	17°35	10°17	17°30	11°16	21°28	6°43	14°25	15°53	18°14	18°45	6°50	n.a.	W 7
T 8	18 34 26	7°17'13	28° 5	18°51	11°30	17°59	11°11	21°29	6°41	14°27	15°52	18° 7	18°42	6°56	n.a.	T 8
F 9	18 38 23	8°14'49	12♊ 3	20°11	12°42	18°29	11° 5	21°29	6°39	14°28	15°51	17°58	18°38	7° 3	n.a.	F 9
S 10	18 42 19	9°12'27	25°50	21°37	13°55	18°59	11° 0	21°29	6°37	14°29	15°49	17°47	18°35	7° 9	n.a.	S 10
S 11	18 46 16	10°10'06	9♋23	23° 8	15° 8	19°29	10°54	21°29	6°35	14°30	15°48	17°36	18°32	7°16	n.a.	S 11
M12	18 50 12	11° 7'47	22°38	24°43	16°20	20° 0	10°48	21°R29	6°32	14°31	15°47	17°26	18°29	7°23	n.a.	M12
T 13	18 54 9	12° 5'29	5♌35	26°22	17°33	20°30	10°42	21°29	6°30	14°32	15°46	17°18	18°26	7°29	n.a.	T 13
W14	18 58 5	13° 3'12	18°13	28° 6	18°46	21° 2	10°36	21°29	6°28	14°34	15°44	17°11	18°23	7°36	n.a.	W14
T 15	19 2 2	14° 0'57	0♍33	29°52	19°59	21°33	10°30	21°29	6°26	14°35	15°43	17° 8	18°19	7°43	n.a.	T 15
F 16	19 5 58	14°58'43	12°39	1♋42	21°12	22° 5	10°23	21°28	6°24	14°36	15°42	17°D 6	18°16	7°49	n.a.	F 16
S 17	19 9 55	15°56'30	24°35	3°34	22°25	22°37	10°17	21°28	6°22	14°38	15°40	17° 7	18°13	7°56	n.a.	S 17
S 18	19 13 52	16°54'19	6♎24	5°28	23°38	23°10	10°10	21°27	6°20	14°39	15°39	17° 7	18°10	8° 3	n.a.	S 18
M19	19 17 48	17°52'09	18°13	7°24	24°52	23°42	10° 3	21°26	6°17	14°40	15°38	17°R 8	18° 7	8° 9	n.a.	M19
T 20	19 21 45	18°50'00	0♏ 7	9°21	26° 5	24°15	9°57	21°26	6°15	14°42	15°36	17° 7	18° 3	8°16	n.a.	T 20
W21	19 25 41	19°47'53	12°11	11°19	27°18	24°49	9°50	21°25	6°13	14°43	15°35	17° 4	18° 0	8°23	n.a.	W21
T 22	19 29 38	20°45'47	24°30	13°18	28°31	25°22	9°43	21°24	6°11	14°45	15°34	17° 0	17°57	8°29	n.a.	T 22
F 23	19 33 34	21°43'42	7♐ 6	15°18	29°45	25°56	9°35	21°22	6° 8	14°46	15°32	16°53	17°54	8°36	n.a.	F 23
S 24	19 37 31	22°41'40	20° 4	17°17	0♋58	26°30	9°28	21°21	6° 6	14°48	15°31	16°45	17°51	8°43	n.a.	S 24
S 25	19 41 27	23°39'38	3♑23	19°16	2°11	27° 5	9°21	21°20	6° 4	14°49	15°30	16°36	17°48	8°49	n.a.	S 25
M26	19 45 24	24°37'39	17° 2	21°15	3°25	27°39	9°13	21°18	6° 1	14°51	15°28	16°27	17°44	8°56	n.a.	M26
T 27	19 49 21	25°35'41	0♒59	23°13	4°38	28°14	9° 6	21°17	5°59	14°52	15°27	16°20	17°41	9° 3	n.a.	T 27
W28	19 53 17	26°33'45	15° 9	25°11	5°52	28°49	8°58	21°15	5°57	14°54	15°26	16°14	17°38	9° 9	n.a.	W28
T 29	19 57 14	27°31'51	29°28	27° 8	7° 6	29°24	8°51	21°13	5°54	14°56	15°24	16°11	17°35	9°16	n.a.	T 29
F 30	20 1 10	28°29'59	13♓51	29° 4	8°19	29°59	8°43	21°12	5°52	14°57	15°23	16°D10	17°32	9°23	n.a.	F 30
S 31	20 5 7	29♋28'08	28♓12	0♌59	9♋33	0♏36	8♒35	21♓10	5♒49	14♍59	15♑22	16♍10	17♍29	9♎29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n46	12s53	2n27	19n57	2s38	20n14	0s51	7s26	1s41	18s48	1s21	5s48	2s33	19s31	0s44	7n54	1n47	32s 7	9s24	4n39	4n23	1s 5			n.a.
F 2	23 46	9 11	1 18	20 17	2 24	20 30	0 48	7 37	1 42	18 49	1 21	5 48	2 33	19 32	0 44	7 54	1 47	32 8	9 24	4 40	4 24	1 7			n.a.
S 3	23 45	4 57	0 5	20 37	2 9	20 46	0 46	7 49	1 43	18 51	1 21	5 47	2 33	19 32	0 44	7 53	1 47	32 8	9 24	4 40	4 26	1 9			n.a.
S 4	23 44	0 26	1s10	20 58	1 53	21 1	0 43	8 1	1 44	18 52	1 22	5 47	2 34	19 33	0 44	7 53	1 47	32 8	9 24	4 40	4 27	1 11			n.a.
M 5	23 42	4n 7	2 20	21 20	1 38	21 16	0 40	8 12	1 45	18 54	1 22	5 47	2 34	19 33	0 44	7 52	1 47	32 8	9 24	4 40	4 28	1 13			n.a.
T 6	23 40	8 26	3 22	21 42	1 23	21 30	0 38	8 24	1 46	18 56	1 22	5 47	2 34	19 34	0 44	7 52	1 47	32 9	9 24	4 41	4 29	1 15			n.a.
W 7	23 37	12 16	4 11	22 3	1 8	21 44	0 35	8 36	1 47	18 57	1 22	5 47	2 35	19 34	0 44	7 51	1 47	32 9	9 25	4 43	4 31	1 17			n.a.
T 8	23 34	15 23	4 44	22 25	0 53	21 57	0 32	8 49	1 48	18 59	1 23	5 47	2 35	19 35	0 44	7 51	1 47	32 9	9 25	4 46	4 32	1 19			n.a.
F 9	23 31	17 35	5 1	22 46	0 39	22 9	0 29	9 1	1 49	19 1	1 23	5 48	2 35	19 35	0 44	7 50	1 47	32 9	9 25	4 49	4 33	1 21			n.a.
S 10	23 27	18 43	5 0	23 6	0 25	22 21	0 27	9 13	1 50	19 3	1 23	5 48	2 35	19 36	0 44	7 50	1 47	32 10	9 25	4 54	4 35	1 22			n.a.
S 11	23 23	18 46	4 41	23 24	0 11	22 32	0 24	9 26	1 50	19 5	1 23	5 48	2 36	19 36	0 44	7 49	1 47	32 10	9 25	4 58	4 36	1 24			n.a.
M12	23 18	17 46	4 8	23 42	0n 2	22 43	0 21	9 38	1 51	19 6	1 24	5 48	2 36	19 37	0 44	7 49	1 47	32 10	9 25	5 2	4 37	1 26			n.a.
T 13	23 13	15 52	3 23	23 58	0 14	22 53	0 18	9 51	1 52	19 8	1 24	5 49	2 36	19 37	0 44	7 48	1 47	32 10	9 25	5 5	4 38	1 28			n.a.
W14	23 7	13 14	2 28	24 12	0 26	23 2	0 16	10 3	1 53	19 10	1 24	5 49	2 37	19 38	0 44	7 48	1 47	32 11	9 25	5 8	4 40	1 30			n.a.
T 15	23 2	10 4	1 27	24 24	0 37	23 11	0 13	10 16	1 54	19 12	1 24	5 49	2 37	19 38	0 44	7 47	1 47	32 11	9 25	5 9	4 41	1 32			n.a.
F 16	22 55	6 32	0 24	24 33	0 48	23 18	0 10	10 29	1 54	19 14	1 25	5 50	2 37	19 39	0 44	7 47	1 47	32 11	9 25	5 10	4 42	1 34			n.a.
S 17	22 48	2 48	0n40	24 41	0 57	23 26	0 8	10 42	1 55	19 16	1 25	5 50	2 38	19 40	0 44	7 46	1 47	32 11	9 25	5 10	4 43	1 36			n.a.
S 18	22 41	1s 2	1 42	24 45	1 6	23 32	0 5	10 55	1 56	19 18	1 25	5 51	2 38	19 40	0 44	7 46	1 47	32 12	9 25	5 9	4 45	1 38			n.a.
M19	22 34	4 48	2 39	24 47	1 14	23 38	0 2	11 7	1 56	19 20	1 25	5 51	2 38	19 41	0 44	7 45	1 47	32 12	9 25	5 9	4 46	1 39			n.a.
T 20	22 26	8 24	3 30	24 47	1 21	23 44	0n 1	11 20	1 57	19 23	1 26	5 52	2 38	19 41	0 44	7 44	1 47	32 12	9 25	5 9	4 47	1 41			n.a.
W21	22 17	11 43	4 12	24 43	1 27	23 48	0 3	11 33	1 58	19 25	1 26	5 53	2 39	19 42	0 44	7 44	1 47	32 12	9 26	5 10	4 48	1 43			n.a.
T 22	22 9	14 35	4 43	24 38	1 32	23 52	0 6	11 47	1 58	19 27	1 26	5 53	2 39	19 43	0 45	7 43	1 46	32 13	9 26	5 12	4 50	1 45			n.a.
F 23	22 0	16 50	5 2	24 29	1 37	23 55	0 9	12 0	1 59	19 29	1 26	5 54	2 39	19 43	0 45	7 43	1 46	32 13	9 26	5 15	4 51	1 47			n.a.
S 24	21 50	18 19	5 6	24 18	1 40	23 57	0 11	12 13	1 59	19 31	1 26	5 55	2 40	19 44	0 45	7 42	1 46	32 13	9 26	5 18	4 52	1 49			n.a.
S 25	21 40	18 50	4 53	24 4	1 43	23 59	0 14	12 26	2 0	19 33	1 27	5 56	2 40	19 44	0 45	7 41	1 46	32 13	9 26	5 22	4 53	1 51			n.a.
M26	21 30	18 18	4 24	23 48	1 45	24 0	0 16	12 39	2 0	19 35	1 27	5 56	2 40	19 45	0 45	7 41	1 46	32 13	9 26	5 25	4 55	1 53			n.a.
T 27	21 19	16 40	3 39	23 30	1 47	24 0	0 19	12 52	2 1	19 38	1 27	5 57	2 40	19 46	0 45	7 40	1 46	32 13	9 26	5 28	4 56	1 55			n.a.
W28	21 8	13 59	2 39	23 9	1 47	24 0	0 21	13 5	2 1	19 40	1 27	5 58	2 41	19 46	0 45	7 39	1 46	32 14	9 26	5 30	4 57	1 57			n.a.
T 29	20 57	10 26	1 29	22 47	1 48	23 59	0 24	13 19	2 2	19 42	1 27	5 59	2 41	19 47	0 45	7 39	1 46	32 14	9 26	5 32	4 58	1 58			n.a.
F 30	20 45	6 15	0 13	22 23	1 47	23 57	0 26	13 32	2 2	19 44	1 27	6 0	2 41	19 47	0 45	7 38	1 46	32 14	9 26	5 32	5 0	2 0			n.a.
S 31	20n33	1s43	1s 5	21n57	1n46	23n54	0n29	13s45	2s 2	19s47	1s28	6s 1	2s41	19s48	0s45	7n37	1n46	32s14	9s26	5n32	5n 1	2s 2			n.a.

Julian Day Number = 1471773.5, Delta T = 05h30m20s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'48, Lahiri = -13°23'47 Julian Calendar 1 July 684 BCE == Greg. Calendar 24 June 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

AUGUST 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 9 3	0♌26'20	12♈30	2♌53	10♋47	1♏12	8°R28	21°R 8	5°R47	15♍ 1	15°R21	16♍11	17♍25	9♎36	n.a.	S 1
M 2	20 13 0	1°24'34	26°42	4°45	12° 1	1°48	8♒20	21♓ 5	5♒45	15° 2	15♑19	16°R12	17°22	9°43	n.a.	M 2
T 3	20 16 56	2°22'51	10♉46	6°37	13°15	2°24	8°12	21° 3	5°42	15° 4	15°18	16°12	17°19	9°49	n.a.	T 3
W 4	20 20 53	3°21'10	24°41	8°28	14°29	3° 1	8° 4	21° 1	5°40	15° 6	15°17	16°10	17°16	9°56	n.a.	W 4
T 5	20 24 50	4°19'31	8♊26	10°17	15°43	3°38	7°56	20°58	5°38	15° 8	15°15	16° 6	17°13	10° 3	n.a.	T 5
F 6	20 28 46	5°17'54	22° 0	12° 6	16°57	4°15	7°48	20°56	5°35	15°10	15°14	16° 1	17° 9	10° 9	n.a.	F 6
S 7	20 32 43	6°16'19	5♋21	13°53	18°11	4°52	7°40	20°53	5°33	15°11	15°13	15°54	17° 6	10°16	n.a.	S 7
S 8	20 36 39	7°14'47	18°30	15°39	19°25	5°30	7°32	20°50	5°30	15°13	15°12	15°48	17° 3	10°22	n.a.	S 8
M 9	20 40 36	8°13'16	1♌24	17°24	20°39	6° 7	7°24	20°48	5°28	15°15	15°11	15°41	17° 0	10°29	n.a.	M 9
T 10	20 44 32	9°11'48	14° 4	19° 8	21°53	6°45	7°16	20°45	5°26	15°17	15° 9	15°36	16°57	10°36	n.a.	T 10
W11	20 48 29	10°10'21	26°29	20°50	23° 7	7°23	7° 8	20°42	5°23	15°19	15° 8	15°33	16°54	10°42	n.a.	W11
T 12	20 52 25	11° 8'57	8♍41	22°32	24°22	8° 1	7° 0	20°39	5°21	15°21	15° 7	15°31	16°50	10°49	n.a.	T 12
F 13	20 56 22	12° 7'34	20°42	24°12	25°36	8°40	6°52	20°35	5°18	15°23	15° 6	15°D31	16°47	10°56	n.a.	F 13
S 14	21 0 19	13° 6'13	2♎35	25°52	26°50	9°18	6°44	20°32	5°16	15°25	15° 5	15°32	16°44	11° 2	n.a.	S 14
S 15	21 4 15	14° 4'54	14°24	27°30	28° 5	9°57	6°37	20°29	5°14	15°27	15° 4	15°34	16°41	11° 9	n.a.	S 15
M16	21 8 12	15° 3'37	26°12	29° 8	29°19	10°36	6°29	20°25	5°11	15°29	15° 2	15°36	16°38	11°16	n.a.	M16
T 17	21 12 8	16° 2'22	8♏ 5	0♍44	0♌33	11°15	6°21	20°22	5° 9	15°31	15° 1	15°37	16°35	11°22	n.a.	T 17
W18	21 16 5	17° 1'09	20° 8	2°20	1°48	11°54	6°13	20°18	5° 7	15°33	15° 0	15°R37	16°31	11°29	n.a.	W18
T 19	21 20 1	17°59'58	2♐25	3°54	3° 3	12°34	6° 6	20°15	5° 4	15°35	14°59	15°36	16°28	11°36	n.a.	T 19
F 20	21 23 58	18°58'48	15° 1	5°28	4°17	13°14	5°58	20°11	5° 2	15°37	14°58	15°34	16°25	11°42	n.a.	F 20
S 21	21 27 54	19°57'40	28° 0	7° 0	5°32	13°53	5°51	20° 7	5° 0	15°39	14°57	15°31	16°22	11°49	n.a.	S 21
S 22	21 31 51	20°56'35	11♑24	8°32	6°46	14°33	5°43	20° 3	4°57	15°41	14°56	15°27	16°19	11°56	n.a.	S 22
M23	21 35 47	21°55'31	25°12	10° 2	8° 1	15°13	5°36	20° 0	4°55	15°43	14°55	15°24	16°15	12° 2	n.a.	M23
T 24	21 39 44	22°54'29	9♒23	11°32	9°16	15°53	5°29	19°56	4°53	15°45	14°54	15°21	16°12	12° 9	n.a.	T 24
W25	21 43 41	23°53'29	23°54	13° 1	10°30	16°34	5°21	19°52	4°51	15°47	14°53	15°19	16° 9	12°16	n.a.	W25
T 26	21 47 37	24°52'32	8♓36	14°28	11°45	17°14	5°14	19°47	4°48	15°49	14°52	15°D18	16° 6	12°22	n.a.	T 26
F 27	21 51 34	25°51'36	23°25	15°55	13° 0	17°55	5° 7	19°43	4°46	15°51	14°51	15°18	16° 3	12°29	n.a.	F 27
S 28	21 55 30	26°50'43	8♈12	17°21	14°15	18°35	5° 0	19°39	4°44	15°53	14°50	15°19	16° 0	12°36	n.a.	S 28
S 29	21 59 27	27°49'52	22°51	18°46	15°30	19°16	4°54	19°35	4°42	15°56	14°49	15°20	15°56	12°42	n.a.	S 29
M30	22 3 23	28°49'04	7♉17	20° 9	16°45	19°57	4°47	19°30	4°40	15°58	14°48	15°21	15°53	12°49	n.a.	M30
T 31	22 7 20	29♌48'18	21♉28	21♍32	17♌59	20♏38	4♒41	19♓26	4♒38	16♍ 0	14♑48	15♍22	15♍50	12♎56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	20n20	2n54	2s18	21n29	1n44	23n51	0n31	13s58	2s 3	19s49	1s28	6s 2	2s42	19s49	0s45	7n37	1n46	32s14	9s26	5n31	5n 2	2s 4			n.a.
M 2	20 7	7 18	3 22	21 0	1 42	23 47	0 33	14 11	2 3	19 51	1 28	6 3	2 42	19 49	0 45	7 36	1 46	32 14	9 26	5 31	5 3	2 6			n.a.
T 3	19 54	11 16	4 13	20 29	1 40	23 42	0 36	14 24	2 4	19 53	1 28	6 4	2 42	19 50	0 45	7 35	1 46	32 15	9 26	5 31	5 5	2 8			n.a.
W 4	19 41	14 32	4 49	19 57	1 37	23 36	0 38	14 38	2 4	19 55	1 28	6 6	2 43	19 50	0 45	7 35	1 46	32 15	9 26	5 32	5 6	2 10			n.a.
T 5	19 27	16 58	5 7	19 24	1 33	23 30	0 40	14 51	2 4	19 58	1 28	6 7	2 43	19 51	0 45	7 34	1 46	32 15	9 26	5 33	5 7	2 12			n.a.
F 6	19 13	18 24	5 8	18 50	1 29	23 23	0 42	15 4	2 5	20 0	1 28	6 8	2 43	19 52	0 45	7 33	1 46	32 15	9 26	5 36	5 8	2 14			n.a.
S 7	18 58	18 48	4 52	18 15	1 25	23 16	0 45	15 17	2 5	20 2	1 29	6 9	2 43	19 52	0 45	7 32	1 46	32 15	9 26	5 38	5 10	2 15			n.a.
S 8	18 43	18 10	4 21	17 39	1 21	23 7	0 47	15 30	2 5	20 4	1 29	6 11	2 44	19 53	0 45	7 32	1 46	32 15	9 26	5 41	5 11	2 17			n.a.
M 9	18 28	16 36	3 37	17 2	1 16	22 58	0 49	15 43	2 5	20 6	1 29	6 12	2 44	19 53	0 45	7 31	1 46	32 15	9 26	5 43	5 12	2 19			n.a.
T 10	18 12	14 14	2 43	16 25	1 11	22 48	0 51	15 56	2 6	20 9	1 29	6 13	2 44	19 54	0 45	7 30	1 46	32 15	9 25	5 45	5 13	2 21			n.a.
W11	17 56	11 16	1 42	15 47	1 5	22 38	0 53	16 9	2 6	20 11	1 29	6 15	2 44	19 55	0 45	7 29	1 46	32 16	9 25	5 46	5 15	2 23			n.a.
T 12	17 40	7 51	0 37	15 8	0 59	22 27	0 55	16 22	2 6	20 13	1 29	6 16	2 44	19 55	0 45	7 28	1 46	32 16	9 25	5 47	5 16	2 25			n.a.
F 13	17 24	4 10	0n28	14 29	0 53	22 15	0 57	16 34	2 6	20 15	1 29	6 18	2 45	19 56	0 45	7 28	1 46	32 16	9 25	5 47	5 17	2 27			n.a.
S 14	17 7	0 22	1 32	13 49	0 47	22 2	0 59	16 47	2 6	20 17	1 29	6 19	2 45	19 56	0 45	7 27	1 46	32 16	9 25	5 47	5 18	2 29			n.a.
S 15	16 50	3s25	2 32	13 9	0 41	21 49	1 0	17 0	2 6	20 19	1 29	6 21	2 45	19 57	0 45	7 26	1 46	32 16	9 25	5 46	5 20	2 31			n.a.
M16	16 33	7 4	3 25	12 29	0 35	21 35	1 2	17 13	2 7	20 21	1 29	6 22	2 45	19 57	0 45	7 25	1 46	32 16	9 25	5 45	5 21	2 33			n.a.
T 17	16 15	10 28	4 10	11 48	0 28	21 21	1 4	17 25	2 7	20 23	1 29	6 24	2 46	19 58	0 45	7 24	1 46	32 16	9 25	5 45	5 22	2 34			n.a.
W18	15 57	13 28	4 44	11 7	0 21	21 6	1 5	17 38	2 7	20 25	1 29	6 26	2 46	19 59	0 45	7 24	1 46	32 16	9 25	5 45	5 23	2 36			n.a.
T 19	15 39	15 56	5 6	10 26	0 14	20 50	1 7	17 50	2 7	20 27	1 29	6 27	2 46	19 59	0 45	7 23	1 46	32 16	9 25	5 45	5 25	2 38			n.a.
F 20	15 21	17 43	5 14	9 45	0 7	20 34	1 8	18 2	2 7	20 29	1 29	6 29	2 46	20 0	0 45	7 22	1 46	32 16	9 25	5 46	5 26	2 40			n.a.
S 21	15 2	18 39	5 7	9 4	0s 0	20 17	1 10	18 15	2 7	20 31	1 29	6 30	2 46	20 0	0 45	7 21	1 46	32 16	9 25	5 47	5 27	2 42			n.a.
S 22	14 43	18 35	4 43	8 22	0 7	19 59	1 11	18 27	2 7	20 33	1 29	6 32	2 47	20 1	0 45	7 20	1 46	32 16	9 25	5 49	5 28	2 44			n.a.
M23	14 24	17 26	4 2	7 41	0 15	19 41	1 13	18 39	2 7	20 35	1 29	6 34	2 47	20 1	0 45	7 20	1 46	32 16	9 25	5 50	5 30	2 46			n.a.
T 24	14 4	15 11	3 5	7 0	0 22	19 22	1 14	18 51	2 7	20 36	1 29	6 36	2 47	20 2	0 45	7 19	1 45	32 16	9 24	5 51	5 31	2 48			n.a.
W25	13 45	11 56	1 55	6 19	0 30	19 3	1 15	19 3	2 7	20 38	1 29	6 37	2 47	20 3	0 45	7 18	1 45	32 16	9 24	5 52	5 32	2 50			n.a.
T 26	13 25	7 53	0 37	5 38	0 37	18 43	1 16	19 15	2 7	20 40	1 29	6 39	2 47	20 3	0 45	7 17	1 45	32 16	9 24	5 52	5 33	2 51			n.a.
F 27	13 5	3 20	0s45	4 57	0 45	18 23	1 17	19 26	2 7	20 42	1 29	6 41	2 47	20 4	0 45	7 16	1 45	32 16	9 24	5 52	5 35	2 53			n.a.
S 28	12 44	1n25	2 3	4 16	0 52	18 2	1 18	19 38	2 7	20 43	1 29	6 43	2 48	20 4	0 45	7 15	1 45	32 16	9 24	5 52	5 36	2 55			n.a.
S 29	12 24	6 1	3 13	3 36	1 0	17 41	1 19	19 49	2 7	20 45	1 29	6 45	2 48	20 5	0 45	7 14	1 45	32 16	9 24	5 52	5 37	2 57			n.a.
M30	12 3	10 12	4 10	2 56	1 7	17 19	1 20	20 1	2 7	20 47	1 29	6 47	2 48	20 5	0 45	7 14	1 45	32 16	9 24	5 51	5 38	2 59			n.a.
T 31	11n42	13n43	4s50	2n16	1s15	16n56	1n21	20s12	2s 7	20s48	1s29	6s48	2s48	20s 6	0s45	7n13	1n45	32s16	9s24	5n51	5n40	3s 1			n.a.

Julian Day Number = 1471804.5, Delta T = 05h30m18s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'44, Lahiri = -13°23'43 Julian Calendar 1 Aug. 684 BCE == Greg. Calendar 25 July 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

SEPTEMBER 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 11 16	0♍47'35	5♊21	22♍53	19♌14	21♏20	4°R34	19°R22	4°R36	16♍ 2	14°R47	15°R22	15♍47	13♎ 2	n.a.	W 1
T 2	22 15 13	1°46'54	18°56	24°14	20°29	22° 1	4♒28	19♓17	4♒34	16° 4	14♑46	15♍21	15°44	13° 9	n.a.	T 2
F 3	22 19 9	2°46'16	2♋14	25°33	21°44	22°42	4°22	19°13	4°31	16° 6	14°45	15°20	15°40	13°16	n.a.	F 3
S 4	22 23 6	3°45'40	15°15	26°51	22°59	23°24	4°16	19° 8	4°29	16° 9	14°44	15°19	15°37	13°22	n.a.	S 4
S 5	22 27 3	4°45'06	28° 2	28° 7	24°15	24° 6	4°10	19° 3	4°27	16°11	14°44	15°17	15°34	13°29	n.a.	S 5
M 6	22 30 59	5°44'35	10♌36	29°23	25°30	24°48	4° 4	18°59	4°26	16°13	14°43	15°16	15°31	13°36	n.a.	M 6
T 7	22 34 56	6°44'06	22°57	0♎36	26°45	25°30	3°59	18°54	4°24	16°15	14°42	15°15	15°28	13°42	n.a.	T 7
W 8	22 38 52	7°43'39	5♍ 8	1°48	28° 0	26°12	3°53	18°49	4°22	16°17	14°41	15°14	15°25	13°49	n.a.	W 8
T 9	22 42 49	8°43'14	17°10	2°59	29°15	26°54	3°48	18°45	4°20	16°20	14°41	15°D14	15°21	13°56	n.a.	T 9
F 10	22 46 45	9°42'52	29° 5	4° 7	0♍30	27°36	3°43	18°40	4°18	16°22	14°40	15°14	15°18	14° 2	n.a.	F 10
S 11	22 50 42	10°42'31	10♎55	5°13	1°46	28°18	3°38	18°35	4°16	16°24	14°39	15°15	15°15	14° 9	n.a.	S 11
S 12	22 54 38	11°42'12	22°43	6°18	3° 1	29° 1	3°33	18°30	4°14	16°26	14°39	15°15	15°12	14°16	n.a.	S 12
M13	22 58 35	12°41'56	4♏31	7°19	4°16	29°43	3°29	18°26	4°13	16°29	14°38	15°15	15° 9	14°22	n.a.	M13
T 14	23 2 32	13°41'41	16°24	8°19	5°31	0♐26	3°24	18°21	4°11	16°31	14°38	15°16	15° 6	14°29	n.a.	T 14
W15	23 6 28	14°41'28	28°26	9°15	6°47	1° 9	3°20	18°16	4° 9	16°33	14°37	15°16	15° 2	14°36	n.a.	W15
T 16	23 10 25	15°41'17	10♐40	10° 8	8° 2	1°52	3°16	18°11	4° 8	16°35	14°37	15°16	14°59	14°42	n.a.	T 16
F 17	23 14 21	16°41'08	23°12	10°57	9°17	2°35	3°12	18° 6	4° 6	16°38	14°36	15°16	14°56	14°49	n.a.	F 17
S 18	23 18 18	17°41'01	6♑ 5	11°42	10°33	3°18	3° 9	18° 1	4° 5	16°40	14°36	15°16	14°53	14°56	n.a.	S 18
S 19	23 22 14	18°40'56	19°22	12°23	11°48	4° 1	3° 5	17°57	4° 3	16°42	14°35	15°16	14°50	15° 2	n.a.	S 19
M20	23 26 11	19°40'52	3♒ 7	13° 0	13° 3	4°44	3° 2	17°52	4° 2	16°44	14°35	15°17	14°46	15° 9	n.a.	M20
T 21	23 30 7	20°40'50	17°19	13°31	14°19	5°27	2°59	17°47	4° 0	16°47	14°34	15°17	14°43	15°16	n.a.	T 21
W22	23 34 4	21°40'50	1♓55	13°56	15°34	6°11	2°56	17°42	3°59	16°49	14°34	15°17	14°40	15°22	n.a.	W22
T 23	23 38 0	22°40'51	16°50	14°14	16°49	6°54	2°53	17°37	3°58	16°51	14°34	15°R18	14°37	15°29	n.a.	T 23
F 24	23 41 57	23°40'55	1♈57	14°26	18° 5	7°38	2°51	17°32	3°56	16°53	14°33	15°17	14°34	15°36	n.a.	F 24
S 25	23 45 54	24°41'01	17° 7	14°R30	19°20	8°21	2°49	17°28	3°55	16°56	14°33	15°17	14°31	15°42	n.a.	S 25
S 26	23 49 50	25°41'09	2♉ 9	14°26	20°36	9° 5	2°46	17°23	3°54	16°58	14°33	15°15	14°27	15°49	n.a.	S 26
M27	23 53 47	26°41'19	16°57	14°13	21°51	9°49	2°45	17°18	3°53	17° 0	14°33	15°14	14°24	15°56	n.a.	M27
T 28	23 57 43	27°41'31	1♊23	13°51	23° 7	10°32	2°43	17°13	3°51	17° 2	14°32	15°13	14°21	16° 2	n.a.	T 28
W29	0 1 40	28°41'45	15°25	13°19	24°22	11°16	2°41	17° 9	3°50	17° 4	14°32	15°12	14°18	16° 9	n.a.	W29
T 30	0 5 36	29♍42'02	29♊ 2	12♎38	25♍38	12♐ 0	2♒40	17♓ 4	3♒49	17♍ 7	14♑32	15°D11	14♍15	16♎16	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	11n21	16n23	5s12	1n36	1s22	16n33	1n22	20s23	2s 7	20s50	1s29	6s50	2s48	20s 6	0s44	7n12	1n45	32s16	9s24	5n51	5n41	3s 3		n.a.
T 2	10 59	18 3	5 16	0 57	1 29	16 10	1 23	20 34	2 7	20 51	1 29	6 52	2 48	20 7	0 44	7 11	1 45	32 16	9 23	5 51	5 42	3 5		n.a.
F 3	10 38	18 42	5 3	0 19	1 37	15 46	1 23	20 44	2 6	20 52	1 29	6 54	2 48	20 7	0 44	7 10	1 45	32 16	9 23	5 51	5 43	3 7		n.a.
S 4	10 16	18 20	4 35	0s19	1 44	15 22	1 24	20 55	2 6	20 54	1 29	6 56	2 48	20 8	0 44	7 9	1 45	32 16	9 23	5 52	5 45	3 9		n.a.
S 5	9 54	17 2	3 53	0 56	1 51	14 57	1 24	21 6	2 6	20 55	1 29	6 58	2 49	20 8	0 44	7 8	1 45	32 16	9 23	5 53	5 46	3 10		n.a.
M 6	9 32	14 56	3 1	1 33	1 58	14 32	1 25	21 16	2 6	20 56	1 29	7 0	2 49	20 8	0 44	7 8	1 45	32 16	9 23	5 53	5 47	3 12		n.a.
T 7	9 10	12 9	2 1	2 9	2 5	14 6	1 25	21 26	2 6	20 58	1 28	7 2	2 49	20 9	0 44	7 7	1 45	32 16	9 23	5 54	5 48	3 14		n.a.
W 8	8 47	8 54	0 56	2 44	2 12	13 40	1 25	21 36	2 6	20 59	1 28	7 4	2 49	20 9	0 44	7 6	1 45	32 16	9 23	5 54	5 50	3 16		n.a.
T 9	8 25	5 18	0n11	3 18	2 18	13 14	1 26	21 46	2 5	21 0	1 28	7 6	2 49	20 10	0 44	7 5	1 45	32 16	9 23	5 54	5 51	3 18		n.a.
F 10	8 2	1 32	1 16	3 52	2 24	12 47	1 26	21 56	2 5	21 1	1 28	7 8	2 49	20 10	0 44	7 4	1 45	32 16	9 22	5 54	5 52	3 20		n.a.
S 11	7 39	2s16	2 18	4 24	2 30	12 20	1 26	22 5	2 5	21 2	1 28	7 10	2 49	20 11	0 44	7 3	1 45	32 16	9 22	5 54	5 53	3 22		n.a.
S 12	7 16	5 58	3 14	4 55	2 36	11 53	1 26	22 15	2 5	21 3	1 28	7 12	2 49	20 11	0 44	7 2	1 45	32 16	9 22	5 53	5 55	3 24		n.a.
M13	6 53	9 25	4 1	5 25	2 42	11 25	1 26	22 24	2 4	21 4	1 28	7 14	2 49	20 11	0 44	7 1	1 45	32 16	9 22	5 53	5 56	3 26		n.a.
T 14	6 30	12 32	4 39	5 53	2 47	10 57	1 26	22 33	2 4	21 5	1 28	7 16	2 49	20 12	0 44	7 0	1 45	32 16	9 22	5 53	5 57	3 27		n.a.
W15	6 7	15 8	5 4	6 20	2 51	10 28	1 26	22 42	2 4	21 6	1 28	7 18	2 49	20 12	0 44	7 0	1 45	32 16	9 22	5 53	5 58	3 29		n.a.
T 16	5 43	17 8	5 17	6 45	2 55	10 0	1 26	22 50	2 3	21 7	1 27	7 19	2 49	20 13	0 44	6 59	1 45	32 15	9 21	5 53	6 0	3 31		n.a.
F 17	5 20	18 21	5 15	7 8	2 59	9 31	1 25	22 59	2 3	21 8	1 27	7 21	2 49	20 13	0 44	6 58	1 45	32 15	9 21	5 53	6 1	3 33		n.a.
S 18	4 56	18 41	4 57	7 29	3 2	9 2	1 25	23 7	2 3	21 8	1 27	7 23	2 49	20 13	0 44	6 57	1 45	32 15	9 21	5 53	6 2	3 35		n.a.
S 19	4 32	18 0	4 24	7 47	3 5	8 32	1 25	23 15	2 3	21 9	1 27	7 25	2 49	20 14	0 44	6 56	1 45	32 15	9 21	5 53	6 3	3 37		n.a.
M20	4 8	16 16	3 34	8 3	3 7	8 2	1 24	23 23	2 2	21 10	1 27	7 27	2 49	20 14	0 44	6 55	1 45	32 15	9 21	5 53	6 5	3 39		n.a.
T 21	3 45	13 30	2 29	8 17	3 8	7 32	1 24	23 31	2 2	21 10	1 27	7 29	2 49	20 14	0 44	6 54	1 45	32 15	9 21	5 53	6 6	3 41		n.a.
W22	3 21	9 48	1 14	8 27	3 8	7 2	1 23	23 38	2 1	21 11	1 27	7 31	2 49	20 15	0 44	6 53	1 45	32 15	9 20	5 53	6 7	3 43		n.a.
T 23	2 57	5 24	0s 9	8 33	3 7	6 32	1 22	23 45	2 1	21 11	1 26	7 33	2 49	20 15	0 44	6 53	1 45	32 15	9 20	5 52	6 8	3 45		n.a.
F 24	2 33	0 36	1 31	8 36	3 5	6 2	1 22	23 52	2 1	21 12	1 26	7 35	2 49	20 15	0 44	6 52	1 45	32 14	9 20	5 53	6 10	3 46		n.a.
S 25	2 8	4n14	2 48	8 34	3 1	5 31	1 21	23 59	2 0	21 12	1 26	7 37	2 49	20 15	0 44	6 51	1 45	32 14	9 20	5 53	6 11	3 48		n.a.
S 26	1 44	8 46	3 52	8 28	2 56	5 0	1 20	24 6	2 0	21 12	1 26	7 39	2 49	20 16	0 44	6 50	1 45	32 14	9 20	5 53	6 12	3 50		n.a.
M27	1 20	12 40	4 39	8 17	2 50	4 29	1 19	24 12	1 59	21 13	1 26	7 41	2 49	20 16	0 44	6 49	1 45	32 14	9 20	5 54	6 13	3 52		n.a.
T 28	0 56	15 42	5 8	8 1	2 42	3 58	1 18	24 18	1 59	21 13	1 26	7 42	2 49	20 16	0 44	6 48	1 45	32 14	9 19	5 54	6 15	3 54		n.a.
W29	0 32	17 43	5 17	7 40	2 33	3 27	1 17	24 24	1 59	21 13	1 25	7 44	2 49	20 16	0 44	6 47	1 46	32 14	9 19	5 55	6 16	3 56		n.a.
T 30	0n 7	18n38	5s 8	7s13	2s21	2n55	1n16	24s30	1s58	21s13	1s25	7s46	2s49	20s17	0s44	6n47	1n46	32s14	9s19	5n55	6n17	3s58		n.a.

Julian Day Number = 1471835.5, Delta T = 05h30m17s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'39, Lahiri = -13°23'39 Julian Calendar 1 Sept. 684 BCE == Greg. Calendar 25 Aug. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

OCTOBER 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 9 33	0♎42'21	12♋15	11°R47	26♍53	12♐44	2°R39	16°R59	3°R48	17♍ 9	14°R32	15♍12	14♍12	16♎22	n.a.	F 1
S 2	0 13 29	1°42'42	25° 6	10♎48	28° 9	13°28	2♒38	16♓55	3♒47	17°11	14♑32	15°13	14° 8	16°29	n.a.	S 2
S 3	0 17 26	2°43'05	7♌39	9°41	29°24	14°12	2°37	16°50	3°46	17°13	14°32	15°14	14° 5	16°36	n.a.	S 3
M 4	0 21 23	3°43'30	19°58	8°27	0♎40	14°56	2°37	16°46	3°46	17°15	14°32	15°16	14° 2	16°42	n.a.	M 4
T 5	0 25 19	4°43'57	2♍ 5	7°10	1°55	15°40	2°37	16°41	3°45	17°18	14°D32	15°17	13°59	16°49	n.a.	T 5
W 6	0 29 16	5°44'26	14° 4	5°50	3°11	16°25	2°D37	16°37	3°44	17°20	14°32	15°R17	13°56	16°56	n.a.	W 6
T 7	0 33 12	6°44'57	25°57	4°31	4°26	17° 9	2°37	16°32	3°43	17°22	14°32	15°17	13°52	17° 2	n.a.	T 7
F 8	0 37 9	7°45'29	7♎47	3°15	5°42	17°53	2°37	16°28	3°43	17°24	14°32	15°15	13°49	17° 9	n.a.	F 8
S 9	0 41 5	8°46'03	19°36	2° 5	6°57	18°38	2°38	16°23	3°42	17°26	14°32	15°13	13°46	17°16	n.a.	S 9
S 10	0 45 2	9°46'39	1♏25	1° 2	8°13	19°22	2°38	16°19	3°41	17°28	14°32	15° 9	13°43	17°22	n.a.	S 10
M11	0 48 58	10°47'17	13°16	0° 9	9°28	20° 7	2°39	16°15	3°41	17°30	14°32	15° 4	13°40	17°29	n.a.	M11
T 12	0 52 55	11°47'55	25°13	29♍27	10°44	20°51	2°41	16°11	3°40	17°32	14°32	14°59	13°37	17°36	n.a.	T 12
W13	0 56 51	12°48'36	7♐17	28°56	12° 0	21°36	2°42	16° 7	3°40	17°34	14°32	14°55	13°33	17°42	n.a.	W13
T 14	1 0 48	13°49'18	19°32	28°36	13°15	22°21	2°44	16° 3	3°40	17°37	14°33	14°51	13°30	17°49	n.a.	T 14
F 15	1 4 45	14°50'01	2♑ 1	28°D28	14°31	23° 5	2°45	15°59	3°39	17°39	14°33	14°49	13°27	17°56	n.a.	F 15
S 16	1 8 41	15°50'45	14°47	28°32	15°46	23°50	2°47	15°55	3°39	17°41	14°33	14°D48	13°24	18° 2	n.a.	S 16
S 17	1 12 38	16°51'31	27°56	28°46	17° 2	24°35	2°50	15°51	3°39	17°43	14°33	14°49	13°21	18° 9	n.a.	S 17
M18	1 16 34	17°52'17	11♒28	29°10	18°17	25°19	2°52	15°48	3°39	17°45	14°34	14°50	13°17	18°16	n.a.	M18
T 19	1 20 31	18°53'05	25°28	29°42	19°33	26° 4	2°55	15°44	3°39	17°47	14°34	14°52	13°14	18°22	n.a.	T 19
W20	1 24 27	19°53'54	9♓54	0♎23	20°49	26°49	2°57	15°40	3°38	17°49	14°34	14°R53	13°11	18°29	n.a.	W20
T 21	1 28 24	20°54'44	24°44	1°10	22° 4	27°34	3° 0	15°37	3°D38	17°51	14°35	14°53	13° 8	18°36	n.a.	T 21
F 22	1 32 20	21°55'35	9♈52	2° 4	23°20	28°19	3° 4	15°33	3°38	17°53	14°35	14°50	13° 5	18°42	n.a.	F 22
S 23	1 36 17	22°56'27	25° 9	3° 3	24°35	29° 4	3° 7	15°30	3°39	17°54	14°36	14°47	13° 2	18°49	n.a.	S 23
S 24	1 40 14	23°57'21	10♉25	4° 7	25°51	29°49	3°11	15°27	3°39	17°56	14°36	14°41	12°58	18°56	n.a.	S 24
M25	1 44 10	24°58'16	25°30	5°15	27° 6	0♑34	3°14	15°24	3°39	17°58	14°37	14°35	12°55	19° 2	n.a.	M25
T 26	1 48 7	25°59'13	10♊13	6°27	28°22	1°19	3°18	15°21	3°39	18° 0	14°37	14°29	12°52	19° 9	n.a.	T 26
W27	1 52 3	27° 0'11	24°29	7°41	29°37	2° 4	3°22	15°18	3°39	18° 2	14°38	14°23	12°49	19°16	n.a.	W27
T 28	1 56 0	28° 1'10	8♋16	8°59	0♏53	2°49	3°27	15°15	3°40	18° 4	14°39	14°19	12°46	19°22	n.a.	T 28
F 29	1 59 56	29° 2'11	21°34	10°18	2° 8	3°34	3°31	15°12	3°40	18° 6	14°39	14°17	12°43	19°29	n.a.	F 29
S 30	2 3 53	0♏ 3'13	4♌25	11°40	3°24	4°19	3°36	15° 9	3°41	18° 7	14°40	14°D17	12°39	19°36	n.a.	S 30
S 31	2 7 49	1♏ 4'16	16♌55	13♎ 3	4♏40	5♑ 4	3♒41	15♓ 7	3♒41	18♍ 9	14♑40	14♍18	12♍36	19♎42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s17	18n31	4s43	6s41	2s 8	2n24	1n15	24s35	1s58	21s13	1s25	7s48	2s49	20s17	0s44	6n46	1n46	32s13	9s19	5n55	6n18	4s 0		n.a.
S 2	0 41	17 25	4 4	6 3	1 53	1 52	1 14	24 40	1 57	21 13	1 25	7 50	2 49	20 17	0 44	6 45	1 46	32 13	9 19	5 54	6 20	4 2		n.a.
S 3	1 6	15 30	3 14	5 21	1 36	1 21	1 12	24 45	1 57	21 13	1 25	7 51	2 49	20 17	0 44	6 44	1 46	32 13	9 18	5 54	6 21	4 3		n.a.
M 4	1 30	12 53	2 16	4 35	1 18	0 49	1 11	24 50	1 56	21 13	1 24	7 53	2 49	20 17	0 44	6 43	1 46	32 13	9 18	5 53	6 22	4 5		n.a.
T 5	1 54	9 45	1 12	3 46	0 58	0 17	1 10	24 55	1 56	21 13	1 24	7 55	2 49	20 18	0 44	6 42	1 46	32 13	9 18	5 53	6 23	4 7		n.a.
W 6	2 19	6 15	0 7	2 55	0 38	0s14	1 8	24 59	1 55	21 13	1 24	7 56	2 49	20 18	0 44	6 41	1 46	32 13	9 18	5 53	6 25	4 9		n.a.
T 7	2 43	2 31	0n59	2 5	0 17	0 46	1 7	25 3	1 55	21 13	1 24	7 58	2 49	20 18	0 44	6 41	1 46	32 12	9 18	5 53	6 26	4 11		n.a.
F 8	3 7	1s17	2 1	1 15	0n 4	1 18	1 5	25 7	1 54	21 12	1 24	8 0	2 48	20 18	0 44	6 40	1 46	32 12	9 18	5 53	6 27	4 13		n.a.
S 9	3 31	5 2	2 58	0 29	0 24	1 49	1 4	25 10	1 54	21 12	1 23	8 1	2 48	20 18	0 44	6 39	1 46	32 12	9 17	5 54	6 28	4 15		n.a.
S 10	3 56	8 35	3 47	0n14	0 43	2 21	1 2	25 13	1 53	21 12	1 23	8 3	2 48	20 18	0 44	6 38	1 46	32 12	9 17	5 56	6 29	4 17		n.a.
M11	4 20	11 48	4 27	0 52	1 1	2 53	1 1	25 16	1 53	21 11	1 23	8 4	2 48	20 18	0 44	6 37	1 46	32 12	9 17	5 58	6 31	4 19		n.a.
T 12	4 44	14 34	4 55	1 24	1 17	3 24	0 59	25 19	1 52	21 11	1 23	8 6	2 48	20 18	0 43	6 37	1 46	32 11	9 17	6 0	6 32	4 20		n.a.
W13	5 8	16 43	5 11	1 49	1 31	3 56	0 57	25 22	1 51	21 10	1 23	8 7	2 48	20 19	0 43	6 36	1 46	32 11	9 17	6 1	6 33	4 22		n.a.
T 14	5 32	18 10	5 12	2 9	1 44	4 27	0 55	25 24	1 51	21 10	1 23	8 9	2 48	20 19	0 43	6 35	1 46	32 11	9 16	6 3	6 34	4 24		n.a.
F 15	5 55	18 46	5 0	2 22	1 54	4 59	0 54	25 26	1 50	21 9	1 22	8 10	2 48	20 19	0 43	6 34	1 46	32 11	9 16	6 4	6 36	4 26		n.a.
S 16	6 19	18 26	4 32	2 28	2 3	5 30	0 52	25 27	1 50	21 8	1 22	8 12	2 47	20 19	0 43	6 33	1 46	32 10	9 16	6 4	6 37	4 28		n.a.
S 17	6 43	17 8	3 49	2 29	2 10	6 1	0 50	25 29	1 49	21 8	1 22	8 13	2 47	20 19	0 43	6 33	1 46	32 10	9 16	6 4	6 38	4 30		n.a.
M18	7 6	14 49	2 53	2 25	2 16	6 32	0 48	25 30	1 49	21 7	1 22	8 14	2 47	20 19	0 43	6 32	1 46	32 10	9 16	6 3	6 39	4 32		n.a.
T 19	7 30	11 35	1 44	2 15	2 20	7 3	0 46	25 31	1 48	21 6	1 22	8 16	2 47	20 19	0 43	6 31	1 46	32 10	9 15	6 3	6 41	4 34		n.a.
W20	7 53	7 33	0 27	2 1	2 22	7 34	0 44	25 31	1 47	21 5	1 21	8 17	2 47	20 19	0 43	6 30	1 46	32 10	9 15	6 2	6 42	4 36		n.a.
T 21	8 16	2 56	0s54	1 43	2 24	8 4	0 42	25 32	1 47	21 4	1 21	8 18	2 47	20 19	0 43	6 30	1 46	32 9	9 15	6 2	6 43	4 37		n.a.
F 22	8 40	1n57	2 12	1 22	2 24	8 34	0 40	25 32	1 46	21 4	1 21	8 19	2 46	20 19	0 43	6 29	1 46	32 9	9 15	6 3	6 44	4 39		n.a.
S 23	9 2	6 45	3 22	0 57	2 23	9 4	0 38	25 32	1 45	21 3	1 21	8 20	2 46	20 19	0 43	6 28	1 46	32 9	9 15	6 5	6 46	4 41		n.a.
S 24	9 25	11 6	4 17	0 30	2 22	9 34	0 35	25 31	1 45	21 2	1 21	8 22	2 46	20 18	0 43	6 27	1 46	32 9	9 15	6 7	6 47	4 43		n.a.
M25	9 48	14 39	4 53	0 1	2 19	10 4	0 33	25 31	1 44	21 0	1 20	8 23	2 46	20 18	0 43	6 27	1 46	32 8	9 14	6 9	6 48	4 45		n.a.
T 26	10 10	17 12	5 9	0s31	2 16	10 34	0 31	25 30	1 43	20 59	1 20	8 24	2 46	20 18	0 43	6 26	1 46	32 8	9 14	6 12	6 49	4 47		n.a.
W27	10 33	18 34	5 5	1 4	2 12	11 3	0 29	25 28	1 43	20 58	1 20	8 25	2 45	20 18	0 43	6 25	1 46	32 8	9 14	6 14	6 50	4 49		n.a.
T 28	10 55	18 48	4 44	1 39	2 8	11 32	0 27	25 27	1 42	20 57	1 20	8 26	2 45	20 18	0 43	6 25	1 46	32 8	9 14	6 15	6 52	4 51		n.a.
F 29	11 17	17 57	4 7	2 15	2 4	12 0	0 24	25 25	1 41	20 56	1 20	8 26	2 45	20 18	0 43	6 24	1 46	32 7	9 14	6 16	6 53	4 53		n.a.
S 30	11 39	16 12	3 19	2 52	1 59	12 29	0 22	25 23	1 41	20 54	1 19	8 27	2 45	20 18	0 43	6 23	1 46	32 7	9 13	6 16	6 54	4 54		n.a.
S 31	12s 1	13n43	2s23	3s29	1n53	12s57	0n20	25s21	1s40	20s53	1s19	8s28	2s45	20s18	0s43	6n23	1n47	32s 7	9s13	6n16	6n55	4s56		n.a.

Julian Day Number = 1471865.5, Delta T = 05h30m15s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'35, Lahiri = -13°23'35 Julian Calendar 1 Oct. 684 BCE == Greg. Calendar 24 Sept. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

NOVEMBER 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 11 46	2♏ 5'21	29♌ 7	14♎27	5♏55	5♑49	3♒46	15°R 4	3♒42	18♍11	14♑41	14♍20	12♍33	19♎49	n.a.	M 1
T 2	2 15 43	3° 6'27	11♍ 7	15°53	7°11	6°34	3°51	15♓ 2	3°42	18°13	14°42	14°R21	12°30	19°56	n.a.	T 2
W 3	2 19 39	4° 7'34	22°59	17°20	8°26	7°20	3°57	14°59	3°43	18°14	14°43	14°20	12°27	20° 2	n.a.	W 3
T 4	2 23 36	5° 8'42	4♎47	18°47	9°42	8° 5	4° 2	14°57	3°44	18°16	14°43	14°18	12°23	20° 9	n.a.	T 4
F 5	2 27 32	6° 9'51	16°34	20°16	10°57	8°50	4° 8	14°55	3°44	18°18	14°44	14°13	12°20	20°16	n.a.	F 5
S 6	2 31 29	7°11'00	28°24	21°45	12°13	9°35	4°14	14°53	3°45	18°19	14°45	14° 5	12°17	20°22	n.a.	S 6
S 7	2 35 25	8°12'11	10♏17	23°14	13°28	10°20	4°20	14°51	3°46	18°21	14°46	13°56	12°14	20°29	n.a.	S 7
M 8	2 39 22	9°13'23	22°16	24°44	14°44	11° 6	4°26	14°49	3°47	18°23	14°47	13°45	12°11	20°36	n.a.	M 8
T 9	2 43 18	10°14'35	4♐22	26°14	15°59	11°51	4°33	14°48	3°48	18°24	14°48	13°33	12° 8	20°42	n.a.	T 9
W10	2 47 15	11°15'48	16°35	27°45	17°15	12°36	4°40	14°46	3°49	18°26	14°49	13°22	12° 4	20°49	n.a.	W10
T 11	2 51 12	12°17'01	28°58	29°16	18°30	13°21	4°46	14°44	3°50	18°27	14°49	13°13	12° 1	20°56	n.a.	T 11
F 12	2 55 8	13°18'15	11♑32	0♏47	19°46	14° 6	4°53	14°43	3°51	18°29	14°50	13° 6	11°58	21° 2	n.a.	F 12
S 13	2 59 5	14°19'28	24°20	2°19	21° 1	14°52	5° 0	14°42	3°52	18°30	14°51	13° 1	11°55	21° 9	n.a.	S 13
S 14	3 3 1	15°20'43	7♒24	3°51	22°17	15°37	5° 8	14°41	3°54	18°31	14°52	12°59	11°52	21°16	n.a.	S 14
M15	3 6 58	16°21'57	20°48	5°22	23°32	16°22	5°15	14°40	3°55	18°33	14°54	12°D59	11°48	21°22	n.a.	M15
T 16	3 10 54	17°23'11	4♓33	6°55	24°47	17° 7	5°23	14°39	3°56	18°34	14°55	12°59	11°45	21°29	n.a.	T 16
W17	3 14 51	18°24'26	18°42	8°27	26° 3	17°53	5°31	14°38	3°57	18°36	14°56	12°R59	11°42	21°36	n.a.	W17
T 18	3 18 47	19°25'40	3♈13	10° 0	27°18	18°38	5°39	14°37	3°59	18°37	14°57	12°58	11°39	21°43	n.a.	T 18
F 19	3 22 44	20°26'55	18° 5	11°32	28°34	19°23	5°47	14°37	4° 0	18°38	14°58	12°54	11°36	21°49	n.a.	F 19
S 20	3 26 41	21°28'10	3♉10	13° 6	29°49	20° 8	5°55	14°36	4° 2	18°39	14°59	12°47	11°33	21°56	n.a.	S 20
S 21	3 30 37	22°29'24	18°20	14°39	1♐ 4	20°54	6° 3	14°36	4° 3	18°41	15° 0	12°37	11°29	22° 3	n.a.	S 21
M22	3 34 34	23°30'40	3♊24	16°12	2°20	21°39	6°12	14°35	4° 5	18°42	15° 1	12°27	11°26	22° 9	n.a.	M22
T 23	3 38 30	24°31'55	18°12	17°46	3°35	22°24	6°20	14°35	4° 7	18°43	15° 3	12°15	11°23	22°16	n.a.	T 23
W24	3 42 27	25°33'10	2♋37	19°20	4°51	23° 9	6°29	14°D35	4° 8	18°44	15° 4	12° 5	11°20	22°23	n.a.	W24
T 25	3 46 23	26°34'26	16°33	20°54	6° 6	23°54	6°38	14°35	4°10	18°45	15° 5	11°57	11°17	22°29	n.a.	T 25
F 26	3 50 20	27°35'42	29°59	22°29	7°21	24°40	6°47	14°36	4°12	18°46	15° 6	11°51	11°14	22°36	n.a.	F 26
S 27	3 54 17	28°36'59	12♌57	24° 4	8°37	25°25	6°56	14°36	4°14	18°47	15° 8	11°49	11°10	22°43	n.a.	S 27
S 28	3 58 13	29°38'15	25°30	25°39	9°52	26°10	7° 6	14°36	4°15	18°48	15° 9	11°D48	11° 7	22°49	n.a.	S 28
M29	4 2 10	0♐39'32	7♍43	27°14	11° 7	26°55	7°15	14°37	4°17	18°49	15°10	11°R48	11° 4	22°56	n.a.	M29
T 30	4 6 6	1♐40'49	19♍43	28♏50	12♐23	27♑40	7♒25	14♓37	4♒19	18♍50	15♑12	11♍47	11♍ 1	23♎ 3	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s22	10n40	1s22	4s 8	1n47	13s24	0n17	25s18	1s39	20s52	1s19	8s29	2s44	20s17	0s43	6n22	1n47	32s 7	9s13	6n15	6n57	4s58		n.a.
T 2	12 43	7 14	0 17	4 47	1 41	13 52	0 15	25 15	1 39	20 50	1 19	8 30	2 44	20 17	0 43	6 21	1 47	32 6	9 13	6 15	6 58	5 0		n.a.
W 3	13 4	3 32	0n46	5 26	1 35	14 19	0 13	25 12	1 38	20 49	1 19	8 30	2 44	20 17	0 43	6 21	1 47	32 6	9 13	6 15	6 59	5 2		n.a.
T 4	13 25	0s17	1 48	6 6	1 29	14 45	0 10	25 9	1 37	20 47	1 18	8 31	2 44	20 17	0 43	6 20	1 47	32 6	9 13	6 16	7 0	5 4		n.a.
F 5	13 46	4 5	2 45	6 45	1 22	15 12	0 8	25 5	1 37	20 46	1 18	8 32	2 43	20 17	0 43	6 19	1 47	32 6	9 12	6 18	7 2	5 6		n.a.
S 6	14 6	7 44	3 34	7 25	1 16	15 38	0 6	25 1	1 36	20 44	1 18	8 32	2 43	20 16	0 43	6 19	1 47	32 5	9 12	6 21	7 3	5 8		n.a.
S 7	14 26	11 5	4 14	8 5	1 9	16 3	0 3	24 57	1 35	20 42	1 18	8 33	2 43	20 16	0 43	6 18	1 47	32 5	9 12	6 24	7 4	5 10		n.a.
M 8	14 46	14 1	4 44	8 45	1 2	16 28	0 1	24 52	1 34	20 41	1 18	8 33	2 43	20 16	0 43	6 18	1 47	32 5	9 12	6 29	7 5	5 11		n.a.
T 9	15 6	16 23	5 1	9 25	0 55	16 53	0s 1	24 48	1 34	20 39	1 17	8 34	2 43	20 16	0 43	6 17	1 47	32 5	9 12	6 33	7 6	5 13		n.a.
W10	15 25	18 3	5 4	10 4	0 48	17 17	0 4	24 43	1 33	20 37	1 17	8 34	2 42	20 15	0 43	6 17	1 47	32 4	9 12	6 38	7 8	5 15		n.a.
T 11	15 44	18 53	4 53	10 44	0 41	17 40	0 6	24 37	1 32	20 35	1 17	8 34	2 42	20 15	0 42	6 16	1 47	32 4	9 11	6 41	7 9	5 17		n.a.
F 12	16 3	18 49	4 28	11 23	0 34	18 4	0 9	24 32	1 31	20 33	1 17	8 35	2 42	20 15	0 42	6 15	1 47	32 4	9 11	6 44	7 10	5 19		n.a.
S 13	16 22	17 47	3 49	12 1	0 27	18 26	0 11	24 26	1 31	20 31	1 17	8 35	2 42	20 15	0 42	6 15	1 47	32 3	9 11	6 46	7 11	5 21		n.a.
S 14	16 40	15 49	2 58	12 39	0 20	18 49	0 13	24 20	1 30	20 29	1 17	8 35	2 41	20 14	0 42	6 14	1 47	32 3	9 11	6 47	7 13	5 23		n.a.
M15	16 58	12 56	1 56	13 17	0 13	19 10	0 16	24 14	1 29	20 27	1 16	8 35	2 41	20 14	0 42	6 14	1 47	32 3	9 11	6 47	7 14	5 25		n.a.
T 16	17 16	9 17	0 45	13 55	0 6	19 31	0 18	24 7	1 28	20 25	1 16	8 36	2 41	20 14	0 42	6 13	1 47	32 3	9 11	6 46	7 15	5 27		n.a.
W17	17 33	5 0	0s30	14 31	0s 0	19 52	0 20	24 1	1 28	20 23	1 16	8 36	2 40	20 13	0 42	6 13	1 47	32 2	9 11	6 46	7 16	5 28		n.a.
T 18	17 50	0 19	1 46	15 8	0 7	20 12	0 23	23 54	1 27	20 21	1 16	8 36	2 40	20 13	0 42	6 13	1 47	32 2	9 10	6 47	7 18	5 30		n.a.
F 19	18 7	4n30	2 55	15 43	0 14	20 32	0 25	23 46	1 26	20 19	1 16	8 36	2 40	20 12	0 42	6 12	1 48	32 2	9 10	6 49	7 19	5 32		n.a.
S 20	18 23	9 5	3 54	16 19	0 20	20 51	0 27	23 39	1 25	20 17	1 16	8 36	2 40	20 12	0 42	6 12	1 48	32 2	9 10	6 51	7 20	5 34		n.a.
S 21	18 39	13 7	4 36	16 53	0 27	21 9	0 30	23 31	1 25	20 14	1 15	8 36	2 39	20 12	0 42	6 11	1 48	32 1	9 10	6 55	7 21	5 36		n.a.
M22	18 55	16 15	4 58	17 27	0 33	21 27	0 32	23 23	1 24	20 12	1 15	8 35	2 39	20 11	0 42	6 11	1 48	32 1	9 10	6 59	7 22	5 38		n.a.
T 23	19 10	18 15	5 0	18 0	0 39	21 44	0 34	23 15	1 23	20 10	1 15	8 35	2 39	20 11	0 42	6 10	1 48	32 1	9 10	7 3	7 24	5 40		n.a.
W24	19 25	19 2	4 43	18 32	0 46	22 0	0 37	23 6	1 22	20 7	1 15	8 35	2 39	20 10	0 42	6 10	1 48	32 0	9 10	7 7	7 25	5 42		n.a.
T 25	19 40	18 37	4 9	19 4	0 52	22 16	0 39	22 58	1 21	20 5	1 15	8 35	2 38	20 10	0 42	6 10	1 48	32 0	9 10	7 11	7 26	5 43		n.a.
F 26	19 54	17 8	3 23	19 34	0 57	22 31	0 41	22 49	1 21	20 2	1 15	8 34	2 38	20 9	0 42	6 9	1 48	32 0	9 9	7 13	7 27	5 45		n.a.
S 27	20 8	14 49	2 27	20 4	1 3	22 45	0 43	22 40	1 20	20 0	1 14	8 34	2 38	20 9	0 42	6 9	1 48	32 0	9 9	7 14	7 29	5 47		n.a.
S 28	20 21	11 52	1 25	20 33	1 8	22 59	0 45	22 30	1 19	19 57	1 14	8 34	2 38	20 9	0 42	6 8	1 48	31 59	9 9	7 14	7 30	5 49		n.a.
M29	20 34	8 27	0 22	21 1	1 14	23 12	0 47	22 21	1 18	19 55	1 14	8 33	2 37	20 8	0 42	6 8	1 48	31 59	9 9	7 14	7 31	5 51		n.a.
T 30	20s47	4n46	0n42	21s28	1s19	23s25	0s49	22s11	1s17	19s52	1s14	8s33	2s37	20s 8	0s42	6n 8	1n48	31s59	9s 9	7n14	7n32	5s53		n.a.

Julian Day Number = 1471896.5, Delta T = 05h30m14s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'31, Lahiri = -13°23'31 Julian Calendar 1 Nov. 684 BCE == Greg. Calendar 25 Oct. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 684 BCE
geocentric

DECEMBER 684 BCE (-683) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 10 3	2♐42'05	1♎33	0♐26	13♐38	28♑25	7♒34	14♓38	4♒21	18♍51	15♑13	11°R46	10♍58	23♎ 9	n.a.	W 1
T 2	4 13 59	3°43'22	13°20	2° 3	14°53	29°10	7°44	14°39	4°23	18°52	15°14	11♍42	10°54	23°16	n.a.	T 2
F 3	4 17 56	4°44'39	25° 8	3°39	16° 8	29°55	7°54	14°40	4°25	18°53	15°16	11°35	10°51	23°23	n.a.	F 3
S 4	4 21 52	5°45'56	7♏ 1	5°17	17°24	0♒41	8° 4	14°41	4°28	18°54	15°17	11°26	10°48	23°29	n.a.	S 4
S 5	4 25 49	6°47'12	19° 1	6°55	18°39	1°26	8°14	14°42	4°30	18°55	15°19	11°13	10°45	23°36	n.a.	S 5
M 6	4 29 46	7°48'28	1♐ 9	8°33	19°54	2°11	8°25	14°44	4°32	18°55	15°20	10°59	10°42	23°43	n.a.	M 6
T 7	4 33 42	8°49'44	13°27	10°11	21° 9	2°56	8°35	14°45	4°34	18°56	15°21	10°44	10°39	23°49	n.a.	T 7
W 8	4 37 39	9°51'00	25°56	11°50	22°25	3°41	8°46	14°47	4°36	18°57	15°23	10°30	10°35	23°56	n.a.	W 8
T 9	4 41 35	10°52'15	8♑35	13°30	23°40	4°26	8°56	14°48	4°39	18°58	15°24	10°17	10°32	24° 3	n.a.	T 9
F 10	4 45 32	11°53'29	21°24	15°10	24°55	5°11	9° 7	14°50	4°41	18°58	15°26	10° 7	10°29	24° 9	n.a.	F 10
S 11	4 49 28	12°54'42	4♒25	16°50	26°10	5°56	9°18	14°52	4°43	18°59	15°27	10° 1	10°26	24°16	n.a.	S 11
S 12	4 53 25	13°55'55	17°37	18°31	27°25	6°41	9°29	14°54	4°46	18°59	15°29	9°57	10°23	24°23	n.a.	S 12
M13	4 57 22	14°57'07	1♓ 2	20°12	28°41	7°25	9°40	14°56	4°48	19° 0	15°31	9°56	10°20	24°30	n.a.	M13
T 14	5 1 18	15°58'17	14°43	21°54	29°56	8°10	9°51	14°58	4°51	19° 0	15°32	9°56	10°16	24°36	n.a.	T 14
W15	5 5 15	16°59'27	28°39	23°36	1♑11	8°55	10° 3	15° 1	4°53	19° 1	15°34	9°55	10°13	24°43	n.a.	W15
T 16	5 9 11	18° 0'35	12♈53	25°18	2°26	9°40	10°14	15° 3	4°56	19° 1	15°35	9°53	10°10	24°50	n.a.	T 16
F 17	5 13 8	19° 1'43	27°22	27° 1	3°41	10°25	10°26	15° 5	4°59	19° 2	15°37	9°49	10° 7	24°56	n.a.	F 17
S 18	5 17 4	20° 2'49	12♉ 2	28°44	4°56	11°10	10°37	15° 8	5° 1	19° 2	15°39	9°42	10° 4	25° 3	n.a.	S 18
S 19	5 21 1	21° 3'54	26°49	0♑27	6°11	11°54	10°49	15°11	5° 4	19° 2	15°40	9°32	10° 0	25°10	n.a.	S 19
M20	5 24 57	22° 4'58	11♊34	2°10	7°26	12°39	11° 1	15°14	5° 7	19° 3	15°42	9°21	9°57	25°16	n.a.	M20
T 21	5 28 54	23° 6'02	26° 9	3°53	8°41	13°24	11°12	15°17	5° 9	19° 3	15°43	9° 9	9°54	25°23	n.a.	T 21
W22	5 32 51	24° 7'04	10♋26	5°36	9°56	14° 8	11°24	15°20	5°12	19° 3	15°45	8°58	9°51	25°30	n.a.	W22
T 23	5 36 47	25° 8'05	24°20	7°19	11°11	14°53	11°36	15°23	5°15	19° 3	15°47	8°49	9°48	25°36	n.a.	T 23
F 24	5 40 44	26° 9'06	7♌47	9° 1	12°26	15°38	11°49	15°26	5°18	19° 3	15°48	8°42	9°45	25°43	n.a.	F 24
S 25	5 44 40	27°10'05	20°49	10°42	13°41	16°22	12° 1	15°29	5°21	19° 4	15°50	8°39	9°41	25°50	n.a.	S 25
S 26	5 48 37	28°11'04	3♍27	12°22	14°56	17° 7	12°13	15°33	5°23	19° 4	15°52	8°D37	9°38	25°56	n.a.	S 26
M27	5 52 33	29°12'02	15°44	14° 1	16°11	17°51	12°25	15°36	5°26	19° 4	15°53	8°37	9°35	26° 3	n.a.	M27
T 28	5 56 30	0♑12'58	27°47	15°39	17°26	18°36	12°38	15°40	5°29	19°R 4	15°55	8°R38	9°32	26°10	n.a.	T 28
W29	6 0 26	1°13'54	9♎40	17°14	18°41	19°20	12°50	15°44	5°32	19° 4	15°57	8°37	9°29	26°17	n.a.	W29
T 30	6 4 23	2°14'49	21°29	18°46	19°55	20° 4	13° 3	15°48	5°35	19° 4	15°59	8°35	9°26	26°23	n.a.	T 30
F 31	6 8 20	3♑15'42	3♏19	20♑16	21♑10	20♒49	13♒16	15♓52	5♒38	19♍ 4	16♑ 0	8♍31	9♍22	26♎30	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21s 0	0n56	1n43	21s53	1s24	23s36	0s51	22s 1	1s17	19s49	1s14	8s32	2s37	20s 7	0s42	6n 8	1n48	31s58	9s 9	7n15	7n33	5s55			n.a.
T 2	21 11	2s54	2 39	22 18	1 28	23 47	0 53	21 51	1 16	19 47	1 14	8 31	2 36	20 7	0 42	6 7	1 48	31 58	9 9	7 16	7 35	5 57			n.a.
F 3	21 23	6 39	3 28	22 42	1 33	23 58	0 55	21 40	1 15	19 44	1 14	8 31	2 36	20 6	0 42	6 7	1 48	31 58	9 9	7 19	7 36	5 58			n.a.
S 4	21 34	10 8	4 8	23 4	1 37	24 7	0 57	21 30	1 14	19 41	1 13	8 30	2 36	20 5	0 42	6 7	1 48	31 58	9 9	7 23	7 37	6 0			n.a.
S 5	21 45	13 16	4 38	23 26	1 41	24 16	0 59	21 19	1 13	19 38	1 13	8 29	2 36	20 5	0 42	6 6	1 49	31 57	9 8	7 27	7 38	6 2			n.a.
M 6	21 55	15 52	4 55	23 46	1 45	24 24	1 1	21 8	1 13	19 35	1 13	8 29	2 35	20 4	0 42	6 6	1 49	31 57	9 8	7 33	7 40	6 4			n.a.
T 7	22 5	17 47	4 59	24 4	1 48	24 31	1 3	20 57	1 12	19 32	1 13	8 28	2 35	20 4	0 42	6 6	1 49	31 57	9 8	7 39	7 41	6 6			n.a.
W 8	22 14	18 54	4 49	24 22	1 51	24 38	1 5	20 45	1 11	19 30	1 13	8 27	2 35	20 3	0 42	6 6	1 49	31 57	9 8	7 44	7 42	6 8			n.a.
T 9	22 23	19 6	4 24	24 38	1 54	24 44	1 6	20 33	1 10	19 27	1 13	8 26	2 34	20 3	0 42	6 6	1 49	31 56	9 8	7 49	7 43	6 10			n.a.
F 10	22 32	18 19	3 46	24 52	1 57	24 49	1 8	20 22	1 9	19 24	1 13	8 25	2 34	20 2	0 42	6 5	1 49	31 56	9 8	7 53	7 44	6 12			n.a.
S 11	22 40	16 35	2 56	25 5	1 59	24 53	1 10	20 10	1 9	19 20	1 12	8 24	2 34	20 1	0 42	6 5	1 49	31 56	9 8	7 55	7 46	6 13			n.a.
S 12	22 48	13 57	1 55	25 16	2 0	24 56	1 11	19 57	1 8	19 17	1 12	8 23	2 34	20 1	0 42	6 5	1 49	31 56	9 8	7 57	7 47	6 15			n.a.
M13	22 55	10 32	0 47	25 26	2 2	24 59	1 13	19 45	1 7	19 14	1 12	8 22	2 33	20 0	0 42	6 5	1 49	31 55	9 8	7 57	7 48	6 17			n.a.
T 14	23 1	6 29	0s25	25 34	2 3	25 1	1 14	19 32	1 6	19 11	1 12	8 21	2 33	20 0	0 42	6 5	1 49	31 55	9 8	7 57	7 49	6 19			n.a.
W15	23 8	2 2	1 37	25 40	2 3	25 2	1 16	19 20	1 5	19 8	1 12	8 20	2 33	19 59	0 42	6 5	1 49	31 55	9 8	7 57	7 50	6 21			n.a.
T 16	23 14	2n38	2 45	25 44	2 3	25 2	1 17	19 7	1 5	19 5	1 12	8 19	2 33	19 58	0 42	6 4	1 49	31 55	9 8	7 58	7 52	6 23			n.a.
F 17	23 19	7 13	3 43	25 47	2 3	25 2	1 19	18 54	1 4	19 1	1 12	8 17	2 32	19 58	0 41	6 4	1 49	31 54	9 8	8 0	7 53	6 25			n.a.
S 18	23 24	11 26	4 27	25 48	2 2	25 1	1 20	18 41	1 3	18 58	1 12	8 16	2 32	19 57	0 41	6 4	1 49	31 54	9 8	8 2	7 54	6 27			n.a.
S 19	23 28	14 57	4 54	25 47	2 0	24 59	1 21	18 27	1 2	18 55	1 12	8 15	2 32	19 56	0 41	6 4	1 49	31 54	9 7	8 6	7 55	6 28			n.a.
M20	23 32	17 31	5 1	25 43	1 58	24 56	1 22	18 14	1 1	18 51	1 11	8 13	2 32	19 56	0 41	6 4	1 50	31 54	9 7	8 10	7 57	6 30			n.a.
T 21	23 36	18 55	4 48	25 38	1 55	24 52	1 23	18 0	1 0	18 48	1 11	8 12	2 31	19 55	0 41	6 4	1 50	31 53	9 7	8 15	7 58	6 32			n.a.
W22	23 39	19 5	4 17	25 31	1 52	24 48	1 24	17 46	1 0	18 44	1 11	8 11	2 31	19 54	0 41	6 4	1 50	31 53	9 7	8 19	7 59	6 34			n.a.
T 23	23 41	18 5	3 32	25 22	1 48	24 43	1 25	17 32	0 59	18 41	1 11	8 9	2 31	19 53	0 41	6 4	1 50	31 53	9 7	8 23	8 0	6 36			n.a.
F 24	23 43	16 4	2 36	25 11	1 43	24 37	1 26	17 18	0 58	18 37	1 11	8 8	2 31	19 53	0 41	6 4	1 50	31 53	9 7	8 25	8 1	6 38			n.a.
S 25	23 45	13 17	1 33	24 58	1 38	24 30	1 27	17 4	0 57	18 34	1 11	8 6	2 30	19 52	0 41	6 4	1 50	31 52	9 7	8 27	8 3	6 40			n.a.
S 26	23 46	9 57	0 28	24 43	1 32	24 23	1 28	16 49	0 56	18 30	1 11	8 4	2 30	19 51	0 41	6 4	1 50	31 52	9 7	8 27	8 4	6 42			n.a.
M27	23 46	6 17	0n38	24 26	1 25	24 15	1 29	16 35	0 56	18 27	1 11	8 3	2 30	19 51	0 41	6 4	1 50	31 52	9 7	8 27	8 5	6 43			n.a.
T 28	23 46	2 25	1 40	24 7	1 17	24 6	1 30	16 20	0 55	18 23	1 11	8 1	2 30	19 50	0 41	6 4	1 50	31 52	9 7	8 27	8 6	6 45			n.a.
W29	23 46	1s28	2 37	23 46	1 8	23 56	1 30	16 5	0 54	18 19	1 11	7 59	2 29	19 49	0 41	6 4	1 50	31 51	9 7	8 27	8 7	6 47			n.a.
T 30	23 45	5 17	3 27	23 24	0 58	23 46	1 31	15 50	0 53	18 16	1 11	7 58	2 29	19 48	0 41	6 4	1 50	31 51	9 7	8 28	8 9	6 49			n.a.
F 31	23s44	8s54	4n 9	23s 1	0s48	23s35	1s31	15s35	0s52	18s12	1s10	7s56	2s29	19s47	0s41	6n 5	1n50	31s51	9s 7	8n29	8n10	6s51			n.a.

Julian Day Number = 1471926.5, Delta T = 05h30m12s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'27, Lahiri = -13°23'26 Julian Calendar 1 Dec. 684 BCE == Greg. Calendar 24 Nov. 684 BCE

The year -683 astronomical counting style corresponds to year 684 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

JANUARY 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 12 16	4♑16'35	15♏14	21♑41	22♑25	21♒33	13♒28	15♓56	5♒41	19°R 3	16♑ 2	8°R24	9♍19	26♎37	n.a.	S 1
S 2	6 16 13	5°17'26	27°19	23° 3	23°40	22°17	13°41	16° 0	5°44	19♍ 3	16° 4	8♍14	9°16	26°43	n.a.	S 2
M 3	6 20 9	6°18'17	9♐36	24°19	24°55	23° 2	13°54	16° 4	5°47	19° 3	16° 5	8° 3	9°13	26°50	n.a.	M 3
T 4	6 24 6	7°19'06	22° 7	25°29	26° 9	23°46	14° 7	16° 8	5°50	19° 3	16° 7	7°52	9°10	26°57	n.a.	T 4
W 5	6 28 2	8°19'54	4♑52	26°33	27°24	24°30	14°20	16°13	5°54	19° 3	16° 9	7°40	9° 6	27° 3	n.a.	W 5
T 6	6 31 59	9°20'40	17°50	27°30	28°39	25°14	14°33	16°17	5°57	19° 2	16°11	7°30	9° 3	27°10	n.a.	T 6
F 7	6 35 55	10°21'24	1♒ 2	28°18	29°53	25°59	14°46	16°22	6° 0	19° 2	16°12	7°22	9° 0	27°17	n.a.	F 7
S 8	6 39 52	11°22'07	14°24	28°58	1♒ 8	26°43	15° 0	16°26	6° 3	19° 2	16°14	7°17	8°57	27°23	n.a.	S 8
S 9	6 43 49	12°22'49	27°57	29°29	2°23	27°27	15°13	16°31	6° 6	19° 1	16°16	7°15	8°54	27°30	n.a.	S 9
M10	6 47 45	13°23'28	11♓39	29°49	3°37	28°11	15°26	16°36	6°10	19° 1	16°18	7°D15	8°51	27°37	n.a.	M10
T 11	6 51 42	14°24'06	25°29	29°R59	4°52	28°55	15°39	16°41	6°13	19° 0	16°19	7°16	8°47	27°43	n.a.	T 11
W12	6 55 38	15°24'41	9♈28	29°59	6° 6	29°39	15°53	16°46	6°16	19° 0	16°21	7°R16	8°44	27°50	n.a.	W12
T 13	6 59 35	16°25'15	23°34	29°48	7°21	0♓23	16° 6	16°51	6°19	18°59	16°23	7°16	8°41	27°57	n.a.	T 13
F 14	7 3 31	17°25'46	7♉47	29°27	8°35	1° 6	16°20	16°56	6°23	18°59	16°25	7°14	8°38	28° 4	n.a.	F 14
S 15	7 7 28	18°26'16	22° 5	28°57	9°50	1°50	16°33	17° 1	6°26	18°58	16°27	7°10	8°35	28°10	n.a.	S 15
S 16	7 11 24	19°26'43	6♊24	28°17	11° 4	2°34	16°47	17° 6	6°29	18°58	16°28	7° 4	8°32	28°17	n.a.	S 16
M17	7 15 21	20°27'09	20°40	27°29	12°19	3°18	17° 1	17°12	6°33	18°57	16°30	6°57	8°28	28°24	n.a.	M17
T 18	7 19 18	21°27'33	4♋47	26°35	13°33	4° 2	17°15	17°17	6°36	18°56	16°32	6°49	8°25	28°30	n.a.	T 18
W19	7 23 14	22°27'55	18°42	25°35	14°47	4°45	17°28	17°23	6°39	18°56	16°34	6°42	8°22	28°37	n.a.	W19
T 20	7 27 11	23°28'15	2♌19	24°32	16° 1	5°29	17°42	17°28	6°43	18°55	16°35	6°36	8°19	28°44	n.a.	T 20
F 21	7 31 7	24°28'33	15°36	23°27	17°16	6°13	17°56	17°34	6°46	18°54	16°37	6°32	8°16	28°50	n.a.	F 21
S 22	7 35 4	25°28'49	28°32	22°21	18°30	6°56	18°10	17°40	6°49	18°53	16°39	6°30	8°12	28°57	n.a.	S 22
S 23	7 39 0	26°29'04	11♍ 8	21°17	19°44	7°40	18°24	17°45	6°53	18°52	16°41	6°D30	8° 9	29° 4	n.a.	S 23
M24	7 42 57	27°29'16	23°27	20°16	20°58	8°23	18°38	17°51	6°56	18°52	16°42	6°31	8° 6	29°10	n.a.	M24
T 25	7 46 53	28°29'28	5♎32	19°18	22°12	9° 6	18°52	17°57	7° 0	18°51	16°44	6°33	8° 3	29°17	n.a.	T 25
W26	7 50 50	29°29'37	17°28	18°25	23°26	9°50	19° 6	18° 3	7° 3	18°50	16°46	6°34	8° 0	29°24	n.a.	W26
T 27	7 54 47	0♒29'45	29°19	17°39	24°40	10°33	19°20	18° 9	7° 6	18°49	16°47	6°R35	7°57	29°31	n.a.	T 27
F 28	7 58 43	1°29'51	11♏11	16°58	25°54	11°17	19°34	18°15	7°10	18°48	16°49	6°34	7°53	29°37	n.a.	F 28
S 29	8 2 40	2°29'55	23° 8	16°24	27° 8	12° 0	19°48	18°22	7°13	18°47	16°51	6°32	7°50	29°44	n.a.	S 29
S 30	8 6 36	3°29'58	5♐15	15°57	28°22	12°43	20° 2	18°28	7°17	18°46	16°53	6°29	7°47	29°51	n.a.	S 30
M31	8 10 33	4♒29'58	17♐37	15♑37	29♒36	13♓26	20♒16	18♓34	7♒20	18♍45	16♑54	6♍24	7♍44	29♎57	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	12s11	4n39	22s36	0s36	23s23	1s32	15s20	0s51	18s 8	1s10	7s54	2s29	19s47	0s41	6n 5	1n50	31s51	9s 7	8n32	8n11	6s53		n.a.
S 2	23 40	15 0	4 58	22 10	0 24	23 11	1 32	15 4	0 51	18 4	1 10	7 52	2 28	19 46	0 41	6 5	1 50	31 51	9 7	8 36	8 12	6 55		n.a.
M 3	23 37	17 12	5 3	21 44	0 11	22 58	1 32	14 49	0 50	18 0	1 10	7 50	2 28	19 45	0 41	6 5	1 50	31 50	9 7	8 40	8 14	6 56		n.a.
T 4	23 34	18 38	4 54	21 17	0n 3	22 44	1 33	14 33	0 49	17 56	1 10	7 48	2 28	19 44	0 41	6 5	1 51	31 50	9 7	8 44	8 15	6 58		n.a.
W 5	23 31	19 11	4 30	20 51	0 18	22 29	1 33	14 18	0 48	17 53	1 10	7 47	2 28	19 44	0 41	6 5	1 51	31 50	9 7	8 49	8 16	7 0		n.a.
T 6	23 26	18 44	3 52	20 25	0 33	22 14	1 33	14 2	0 47	17 49	1 10	7 45	2 27	19 43	0 41	6 5	1 51	31 50	9 7	8 52	8 17	7 2		n.a.
F 7	23 22	17 16	3 1	19 59	0 49	21 58	1 33	13 46	0 47	17 45	1 10	7 43	2 27	19 42	0 41	6 6	1 51	31 49	9 7	8 55	8 18	7 4		n.a.
S 8	23 17	14 50	1 59	19 35	1 6	21 42	1 33	13 30	0 46	17 41	1 10	7 40	2 27	19 41	0 41	6 6	1 51	31 49	9 7	8 57	8 20	7 6		n.a.
S 9	23 11	11 35	0 50	19 12	1 23	21 24	1 33	13 14	0 45	17 37	1 10	7 38	2 27	19 40	0 41	6 6	1 51	31 49	9 7	8 58	8 21	7 8		n.a.
M10	23 5	7 39	0s24	18 51	1 40	21 7	1 32	12 58	0 44	17 32	1 10	7 36	2 26	19 40	0 41	6 6	1 51	31 49	9 7	8 58	8 22	7 9		n.a.
T 11	22 59	3 17	1 36	18 32	1 57	20 48	1 32	12 42	0 43	17 28	1 10	7 34	2 26	19 39	0 41	6 6	1 51	31 49	9 8	8 58	8 23	7 11		n.a.
W12	22 52	1n17	2 44	18 15	2 14	20 29	1 32	12 25	0 43	17 24	1 10	7 32	2 26	19 38	0 41	6 7	1 51	31 49	9 8	8 58	8 24	7 13		n.a.
T 13	22 45	5 50	3 43	18 2	2 31	20 10	1 32	12 9	0 42	17 20	1 10	7 30	2 26	19 37	0 41	6 7	1 51	31 48	9 8	8 58	8 26	7 15		n.a.
F 14	22 37	10 5	4 28	17 51	2 46	19 50	1 31	11 52	0 41	17 16	1 10	7 28	2 26	19 36	0 41	6 7	1 51	31 48	9 8	8 58	8 27	7 17		n.a.
S 15	22 29	13 46	4 57	17 43	3 1	19 29	1 31	11 36	0 40	17 12	1 9	7 25	2 25	19 35	0 41	6 8	1 51	31 48	9 8	9 0	8 28	7 19		n.a.
S 16	22 21	16 38	5 8	17 38	3 14	19 8	1 30	11 19	0 39	17 8	1 9	7 23	2 25	19 34	0 41	6 8	1 51	31 48	9 8	9 2	8 29	7 21		n.a.
M17	22 12	18 28	4 59	17 36	3 25	18 46	1 29	11 2	0 39	17 3	1 9	7 21	2 25	19 34	0 41	6 8	1 51	31 48	9 8	9 5	8 30	7 22		n.a.
T 18	22 2	19 9	4 32	17 37	3 35	18 24	1 28	10 45	0 38	16 59	1 9	7 18	2 25	19 33	0 41	6 8	1 51	31 48	9 8	9 8	8 32	7 24		n.a.
W19	21 52	18 40	3 49	17 41	3 42	18 1	1 28	10 28	0 37	16 55	1 9	7 16	2 25	19 32	0 41	6 9	1 52	31 47	9 8	9 11	8 33	7 26		n.a.
T 20	21 42	17 5	2 54	17 47	3 48	17 38	1 27	10 12	0 36	16 50	1 9	7 14	2 24	19 31	0 41	6 9	1 52	31 47	9 8	9 13	8 34	7 28		n.a.
F 21	21 32	14 37	1 51	17 55	3 51	17 14	1 26	9 55	0 36	16 46	1 9	7 11	2 24	19 30	0 41	6 10	1 52	31 47	9 8	9 14	8 35	7 30		n.a.
S 22	21 21	11 29	0 43	18 5	3 52	16 50	1 25	9 37	0 35	16 42	1 9	7 9	2 24	19 29	0 41	6 10	1 52	31 47	9 8	9 15	8 36	7 32		n.a.
S 23	21 9	7 53	0n25	18 16	3 51	16 26	1 24	9 20	0 34	16 37	1 9	7 6	2 24	19 28	0 41	6 10	1 52	31 47	9 8	9 15	8 38	7 34		n.a.
M24	20 57	4 1	1 31	18 28	3 47	16 0	1 23	9 3	0 33	16 33	1 9	7 4	2 24	19 28	0 41	6 11	1 52	31 47	9 8	9 15	8 39	7 35		n.a.
T 25	20 45	0 5	2 32	18 42	3 42	15 35	1 21	8 46	0 32	16 28	1 9	7 1	2 23	19 27	0 41	6 11	1 52	31 46	9 9	9 14	8 40	7 37		n.a.
W26	20 33	3s48	3 25	18 56	3 35	15 9	1 20	8 29	0 32	16 24	1 9	6 59	2 23	19 26	0 41	6 11	1 52	31 46	9 9	9 14	8 41	7 39		n.a.
T 27	20 20	7 31	4 9	19 10	3 27	14 43	1 19	8 11	0 31	16 19	1 9	6 56	2 23	19 25	0 41	6 12	1 52	31 46	9 9	9 13	8 42	7 41		n.a.
F 28	20 6	10 56	4 42	19 25	3 17	14 16	1 17	7 54	0 30	16 15	1 9	6 54	2 23	19 24	0 41	6 12	1 52	31 46	9 9	9 13	8 44	7 43		n.a.
S 29	19 53	13 55	5 4	19 40	3 7	13 49	1 16	7 36	0 29	16 10	1 9	6 51	2 23	19 23	0 41	6 13	1 52	31 46	9 9	9 14	8 45	7 45		n.a.
S 30	19 39	16 22	5 12	19 55	2 55	13 22	1 14	7 19	0 29	16 6	1 9	6 48	2 23	19 22	0 41	6 13	1 52	31 46	9 9	9 16	8 46	7 47		n.a.
M31	19s24	18s 6	5n 6	20s 9	2n43	12s54	1s13	7s 2	0s28	16s 1	1s 9	6s46	2s22	19s21	0s41	6n14	1n52	31s46	9s 9	9n17	8n47	7s48		n.a.

Julian Day Number = 1471957.5, Delta T = 05h30m11s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'23, Lahiri = -13°23'22 Julian Calendar 1 Jan. 683 BCE == Greg. Calendar 25 Dec. 684 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

FEBRUARY 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 14 29	5♒29'57	0♑15	15°R23	0♓50	14♓ 9	20♒30	18♓40	7♒24	18°R44	16♑56	6°R19	7♍41	0♏ 4	n.a.	T 1
W 2	8 18 26	6°29'54	13°11	15♑16	2° 4	14°53	20°45	18°47	7°27	18♍43	16°58	6♍14	7°38	0°11	n.a.	W 2
T 3	8 22 22	7°29'50	26°26	15°D16	3°17	15°36	20°59	18°53	7°30	18°42	16°59	6° 9	7°34	0°17	n.a.	T 3
F 4	8 26 19	8°29'43	9♒59	15°22	4°31	16°19	21°13	19° 0	7°34	18°40	17° 1	6° 6	7°31	0°24	n.a.	F 4
S 5	8 30 16	9°29'34	23°46	15°34	5°45	17° 2	21°28	19° 7	7°37	18°39	17° 3	6° 4	7°28	0°31	n.a.	S 5
S 6	8 34 12	10°29'23	7♓46	15°51	6°58	17°45	21°42	19°13	7°41	18°38	17° 4	6°D 3	7°25	0°38	n.a.	S 6
M 7	8 38 9	11°29'09	21°54	16°13	8°12	18°27	21°56	19°20	7°44	18°37	17° 6	6° 4	7°22	0°44	n.a.	M 7
T 8	8 42 5	12°28'53	6♈ 7	16°40	9°25	19°10	22°10	19°27	7°48	18°36	17° 8	6° 5	7°18	0°51	n.a.	T 8
W 9	8 46 2	13°28'35	20°22	17°12	10°39	19°53	22°25	19°33	7°51	18°34	17° 9	6° 7	7°15	0°58	n.a.	W 9
T 10	8 49 58	14°28'14	4♉36	17°49	11°52	20°36	22°39	19°40	7°54	18°33	17°11	6° 8	7°12	1° 4	n.a.	T 10
F 11	8 53 55	15°27'51	18°47	18°29	13° 6	21°19	22°54	19°47	7°58	18°32	17°12	6°R 8	7° 9	1°11	n.a.	F 11
S 12	8 57 51	16°27'26	2♊53	19°13	14°19	22° 1	23° 8	19°54	8° 1	18°31	17°14	6° 7	7° 6	1°18	n.a.	S 12
S 13	9 1 48	17°26'58	16°51	20° 1	15°32	22°44	23°22	20° 1	8° 5	18°29	17°15	6° 6	7° 3	1°24	n.a.	S 13
M14	9 5 44	18°26'28	0♋41	20°51	16°45	23°27	23°37	20° 8	8° 8	18°28	17°17	6° 3	6°59	1°31	n.a.	M14
T 15	9 9 41	19°25'55	14°20	21°46	17°59	24° 9	23°51	20°15	8°11	18°26	17°19	6° 1	6°56	1°38	n.a.	T 15
W16	9 13 38	20°25'20	27°46	22°43	19°12	24°52	24° 6	20°22	8°15	18°25	17°20	5°59	6°53	1°45	n.a.	W16
T 17	9 17 34	21°24'43	10♌58	23°42	20°25	25°34	24°20	20°29	8°18	18°24	17°22	5°57	6°50	1°51	n.a.	T 17
F 18	9 21 31	22°24'03	23°56	24°45	21°38	26°17	24°35	20°36	8°22	18°22	17°23	5°56	6°47	1°58	n.a.	F 18
S 19	9 25 27	23°23'22	6♍38	25°50	22°51	26°59	24°49	20°44	8°25	18°21	17°25	5°D56	6°43	2° 5	n.a.	S 19
S 20	9 29 24	24°22'38	19° 5	26°57	24° 3	27°41	25° 3	20°51	8°28	18°19	17°26	5°56	6°40	2°11	n.a.	S 20
M21	9 33 20	25°21'52	1♎20	28° 7	25°16	28°24	25°18	20°58	8°32	18°18	17°28	5°57	6°37	2°18	n.a.	M21
T 22	9 37 17	26°21'04	13°23	29°19	26°29	29° 6	25°32	21° 6	8°35	18°16	17°29	5°58	6°34	2°25	n.a.	T 22
W23	9 41 13	27°20'14	25°19	0♒33	27°42	29°48	25°47	21°13	8°38	18°15	17°30	5°59	6°31	2°31	n.a.	W23
T 24	9 45 10	28°19'22	7♏11	1°48	28°54	0♈30	26° 1	21°20	8°41	18°13	17°32	6° 0	6°28	2°38	n.a.	T 24
F 25	9 49 7	29°18'28	19° 4	3° 6	0♈ 7	1°12	26°16	21°28	8°45	18°12	17°33	6° 0	6°24	2°45	n.a.	F 25
S 26	9 53 3	0♓17'33	1♐ 1	4°26	1°19	1°54	26°30	21°35	8°48	18°10	17°35	6°R 0	6°21	2°51	n.a.	S 26
S 27	9 57 0	1°16'35	13° 8	5°47	2°32	2°36	26°44	21°43	8°51	18° 9	17°36	6° 0	6°18	2°58	n.a.	S 27
M28	10 0 56	2♓15'36	25♐28	7♒11	3♈44	3♈18	26♒59	21♓50	8♒54	18♍ 7	17♑37	6♍ 0	6♍15	3♏ 5	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s10	19s 1	4n46	20s23	2n30	12s26	1s11	6s44	0s27	15s57	1s 9	6s43	2s22	19s20	0s41	6n14	1n52	31s46	9s 9	9n19	8n48	7s50		n.a.
W 2	18 55	18 58	4 10	20 37	2 17	11 58	1 9	6 26	0 26	15 52	1 9	6 40	2 22	19 20	0 41	6 15	1 52	31 46	9 10	9 21	8 50	7 52		n.a.
T 3	18 39	17 53	3 20	20 50	2 4	11 29	1 7	6 9	0 26	15 47	1 9	6 38	2 22	19 19	0 41	6 15	1 52	31 45	9 10	9 23	8 51	7 54		n.a.
F 4	18 24	15 47	2 18	21 3	1 51	11 0	1 5	5 51	0 25	15 43	1 9	6 35	2 22	19 18	0 41	6 16	1 52	31 45	9 10	9 24	8 52	7 56		n.a.
S 5	18 8	12 44	1 7	21 15	1 37	10 31	1 3	5 34	0 24	15 38	1 9	6 32	2 22	19 17	0 41	6 16	1 52	31 45	9 10	9 25	8 53	7 58		n.a.
S 6	17 51	8 55	0s 9	21 26	1 24	10 1	1 1	5 16	0 23	15 33	1 9	6 29	2 22	19 16	0 41	6 17	1 52	31 45	9 10	9 25	8 54	7 59		n.a.
M 7	17 35	4 34	1 26	21 36	1 11	9 32	0 59	4 58	0 23	15 29	1 9	6 27	2 21	19 15	0 41	6 17	1 53	31 45	9 10	9 25	8 56	8 1		n.a.
T 8	17 18	0n 3	2 38	21 45	0 58	9 2	0 57	4 41	0 22	15 24	1 9	6 24	2 21	19 14	0 41	6 18	1 53	31 45	9 10	9 24	8 57	8 3		n.a.
W 9	17 1	4 40	3 40	21 54	0 46	8 31	0 55	4 23	0 21	15 19	1 9	6 21	2 21	19 13	0 41	6 18	1 53	31 45	9 11	9 24	8 58	8 5		n.a.
T 10	16 43	9 1	4 29	22 1	0 34	8 1	0 53	4 5	0 20	15 14	1 9	6 18	2 21	19 12	0 41	6 19	1 53	31 45	9 11	9 23	8 59	8 7		n.a.
F 11	16 25	12 50	5 1	22 7	0 22	7 31	0 51	3 47	0 20	15 10	1 9	6 15	2 21	19 12	0 41	6 19	1 53	31 45	9 11	9 23	9 0	8 9		n.a.
S 12	16 7	15 53	5 15	22 12	0 10	7 0	0 48	3 30	0 19	15 5	1 9	6 12	2 21	19 11	0 41	6 20	1 53	31 45	9 11	9 24	9 2	8 11		n.a.
S 13	15 49	17 59	5 10	22 17	0s 1	6 29	0 46	3 12	0 18	15 0	1 9	6 9	2 21	19 10	0 41	6 20	1 53	31 45	9 11	9 24	9 3	8 12		n.a.
M14	15 31	19 0	4 47	22 19	0 12	5 58	0 43	2 54	0 17	14 55	1 9	6 7	2 21	19 9	0 41	6 21	1 53	31 45	9 11	9 25	9 4	8 14		n.a.
T 15	15 12	18 53	4 8	22 21	0 22	5 27	0 41	2 36	0 17	14 50	1 9	6 4	2 20	19 8	0 41	6 22	1 53	31 45	9 12	9 26	9 5	8 16		n.a.
W16	14 53	17 42	3 16	22 22	0 32	4 55	0 38	2 19	0 16	14 46	1 9	6 1	2 20	19 7	0 41	6 22	1 53	31 45	9 12	9 27	9 6	8 18		n.a.
T 17	14 34	15 35	2 14	22 21	0 42	4 24	0 36	2 1	0 15	14 41	1 9	5 58	2 20	19 6	0 41	6 23	1 53	31 45	9 12	9 27	9 8	8 20		n.a.
F 18	14 14	12 42	1 6	22 19	0 51	3 52	0 33	1 43	0 14	14 36	1 9	5 55	2 20	19 5	0 41	6 23	1 53	31 45	9 12	9 28	9 9	8 22		n.a.
S 19	13 55	9 16	0n 4	22 15	1 0	3 21	0 30	1 26	0 14	14 31	1 9	5 52	2 20	19 4	0 41	6 24	1 53	31 45	9 12	9 28	9 10	8 23		n.a.
S 20	13 35	5 29	1 12	22 10	1 8	2 49	0 28	1 8	0 13	14 26	1 9	5 49	2 20	19 4	0 41	6 25	1 53	31 45	9 13	9 28	9 11	8 25		n.a.
M21	13 15	1 32	2 16	22 4	1 16	2 17	0 25	0 50	0 12	14 21	1 9	5 46	2 20	19 3	0 41	6 25	1 53	31 45	9 13	9 27	9 12	8 27		n.a.
T 22	12 54	2s24	3 13	21 56	1 23	1 45	0 22	0 32	0 12	14 16	1 9	5 43	2 20	19 2	0 41	6 26	1 53	31 45	9 13	9 27	9 14	8 29		n.a.
W23	12 34	6 12	4 1	21 47	1 30	1 13	0 19	0 15	0 11	14 11	1 9	5 40	2 20	19 1	0 41	6 26	1 53	31 45	9 13	9 27	9 15	8 31		n.a.
T 24	12 13	9 43	4 38	21 37	1 37	0 41	0 16	0n 3	0 10	14 6	1 9	5 37	2 19	19 0	0 41	6 27	1 53	31 45	9 13	9 26	9 16	8 33		n.a.
F 25	11 52	12 52	5 4	21 24	1 43	0 10	0 13	0 20	0 10	14 1	1 9	5 34	2 19	18 59	0 41	6 28	1 53	31 45	9 14	9 26	9 17	8 34		n.a.
S 26	11 31	15 30	5 16	21 11	1 49	0n22	0 11	0 38	0 9	13 56	1 9	5 31	2 19	18 58	0 41	6 28	1 53	31 45	9 14	9 26	9 18	8 36		n.a.
S 27	11 10	17 29	5 15	20 56	1 54	0 54	0 8	0 56	0 8	13 52	1 9	5 28	2 19	18 58	0 41	6 29	1 53	31 45	9 14	9 26	9 20	8 38		n.a.
M28	10s49	18s43	4n59	20s39	1s59	1n26	0s 5	1n13	0s 7	13s47	1s 9	5s25	2s19	18s57	0s41	6n30	1n53	31s45	9s14	9n26	9n21	8s40		n.a.

Julian Day Number = 1471988.5, Delta T = 05h30m09s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'18, Lahiri = -13°23'18 Julian Calendar 1 Feb. 683 BCE == Greg. Calendar 25 Jan. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

MARCH 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 4 53	3♓14'35	8♉ 7	8♒35	4♈57	4♈ 0	27♒13	21♓58	8♒58	18°R 6	17♉39	5°R59	6♍12	3♏12	n.a.	T 1
W 2	10 8 49	4°13'32	21° 7	10° 2	6° 9	4°42	27°28	22° 5	9° 1	18♍ 4	17°40	5♍59	6° 9	3°18	n.a.	W 2
T 3	10 12 46	5°12'27	4♒30	11°30	7°21	5°24	27°42	22°13	9° 4	18° 3	17°41	5°59	6° 5	3°25	n.a.	T 3
F 4	10 16 42	6°11'19	18°15	13° 0	8°33	6° 6	27°56	22°20	9° 7	18° 1	17°43	5°D59	6° 2	3°32	n.a.	F 4
S 5	10 20 39	7°10'10	2♓22	14°32	9°45	6°48	28°11	22°28	9°10	17°59	17°44	5°R59	5°59	3°38	n.a.	S 5
S 6	10 24 35	8° 8'59	16°46	16° 5	10°57	7°30	28°25	22°36	9°13	17°58	17°45	5°59	5°56	3°45	n.a.	S 6
M 7	10 28 32	9° 7'46	1♈21	17°39	12° 9	8°11	28°39	22°43	9°17	17°56	17°46	5°59	5°53	3°52	n.a.	M 7
T 8	10 32 29	10° 6'30	16° 3	19°16	13°21	8°53	28°54	22°51	9°20	17°55	17°47	5°58	5°49	3°59	n.a.	T 8
W 9	10 36 25	11° 5'12	0♉43	20°54	14°33	9°35	29° 8	22°59	9°23	17°53	17°49	5°58	5°46	4° 5	n.a.	W 9
T 10	10 40 22	12° 3'52	15°16	22°33	15°44	10°16	29°22	23° 6	9°26	17°51	17°50	5°57	5°43	4°12	n.a.	T 10
F 11	10 44 18	13° 2'29	29°37	24°14	16°56	10°58	29°36	23°14	9°29	17°50	17°51	5°57	5°40	4°19	n.a.	F 11
S 12	10 48 15	14° 1'04	13♊44	25°56	18° 8	11°39	29°51	23°22	9°32	17°48	17°52	5°D57	5°37	4°25	n.a.	S 12
S 13	10 52 11	14°59'37	27°34	27°40	19°19	12°21	0♓ 5	23°29	9°35	17°46	17°53	5°57	5°34	4°32	n.a.	S 13
M14	10 56 8	15°58'08	11♋ 8	29°26	20°30	13° 2	0°19	23°37	9°38	17°45	17°54	5°58	5°30	4°39	n.a.	M14
T 15	11 0 4	16°56'36	24°26	1♓13	21°42	13°44	0°33	23°45	9°41	17°43	17°55	5°58	5°27	4°45	n.a.	T 15
W16	11 4 1	17°55'02	7♌28	3° 2	22°53	14°25	0°47	23°53	9°43	17°41	17°56	5°59	5°24	4°52	n.a.	W16
T 17	11 7 58	18°53'25	20°17	4°53	24° 4	15° 6	1° 1	24° 0	9°46	17°40	17°57	6° 0	5°21	4°59	n.a.	T 17
F 18	11 11 54	19°51'47	2♍53	6°45	25°15	15°48	1°15	24° 8	9°49	17°38	17°58	6°R 1	5°18	5° 6	n.a.	F 18
S 19	11 15 51	20°50'06	15°18	8°39	26°26	16°29	1°29	24°16	9°52	17°37	17°59	6° 1	5°14	5°12	n.a.	S 19
S 20	11 19 47	21°48'24	27°33	10°34	27°37	17°10	1°43	24°24	9°55	17°35	18° 0	6° 0	5°11	5°19	n.a.	S 20
M21	11 23 44	22°46'39	9♎39	12°31	28°48	17°51	1°57	24°32	9°57	17°33	18° 1	5°58	5° 8	5°26	n.a.	M21
T 22	11 27 40	23°44'53	21°38	14°29	29°58	18°32	2°11	24°39	10° 0	17°32	18° 2	5°55	5° 5	5°32	n.a.	T 22
W23	11 31 37	24°43'05	3♏32	16°29	1♉ 9	19°13	2°25	24°47	10° 3	17°30	18° 3	5°52	5° 2	5°39	n.a.	W23
T 24	11 35 33	25°41'15	15°23	18°31	2°19	19°54	2°39	24°55	10° 5	17°28	18° 4	5°49	4°59	5°46	n.a.	T 24
F 25	11 39 30	26°39'24	27°16	20°34	3°30	20°35	2°53	25° 3	10° 8	17°27	18° 4	5°47	4°55	5°52	n.a.	F 25
S 26	11 43 26	27°37'31	9♐13	22°38	4°40	21°16	3° 6	25°11	10°11	17°25	18° 5	5°45	4°52	5°59	n.a.	S 26
S 27	11 47 23	28°35'37	21°18	24°44	5°50	21°57	3°20	25°18	10°13	17°24	18° 6	5°43	4°49	6° 6	n.a.	S 27
M28	11 51 20	29°33'41	3♑36	26°51	7° 0	22°38	3°34	25°26	10°16	17°22	18° 7	5°D43	4°46	6°13	n.a.	M28
T 29	11 55 16	0♈31'43	16°12	28°59	8°10	23°19	3°47	25°34	10°18	17°20	18° 8	5°44	4°43	6°19	n.a.	T 29
W30	11 59 13	1°29'44	29° 8	1♈ 7	9°20	24° 0	4° 1	25°42	10°21	17°19	18° 8	5°45	4°40	6°26	n.a.	W30
T 31	12 3 9	2♈27'44	12♒30	3♈17	10♉30	24♈40	4♓14	25♓50	10♒23	17♍17	18♑ 9	5♍47	4♍36	6♏33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	10s27	19s 3	4n29	20s21	2s 3	1n58	0s 2	1n31	0s 7	13s42	1s 9	5s21	2s19	18s56	0s41	6n30	1n53	31s45	9s14	9n27	9n22	8s42			n.a.
W 2	10 6	18 24	3 44	20 1	2 7	2 30	0n 2	1 48	0 6	13 37	1 10	5 18	2 19	18 55	0 41	6 31	1 53	31 45	9 15	9 27	9 23	8 44			n.a.
T 3	9 44	16 43	2 46	19 39	2 10	3 2	0 5	2 6	0 5	13 32	1 10	5 15	2 19	18 54	0 41	6 32	1 53	31 45	9 15	9 27	9 24	8 45			n.a.
F 4	9 22	14 2	1 37	19 16	2 13	3 33	0 8	2 23	0 5	13 27	1 10	5 12	2 19	18 53	0 41	6 32	1 53	31 45	9 15	9 27	9 25	8 47			n.a.
S 5	9 0	10 28	0 20	18 51	2 15	4 5	0 11	2 40	0 4	13 22	1 10	5 9	2 19	18 53	0 41	6 33	1 53	31 45	9 15	9 27	9 27	8 49			n.a.
S 6	8 38	6 13	1s 0	18 25	2 17	4 36	0 14	2 58	0 3	13 17	1 10	5 6	2 19	18 52	0 41	6 33	1 53	31 45	9 16	9 27	9 28	8 51			n.a.
M 7	8 15	1 32	2 16	17 57	2 19	5 8	0 17	3 15	0 3	13 12	1 10	5 3	2 19	18 51	0 41	6 34	1 53	31 45	9 16	9 27	9 29	8 53			n.a.
T 8	7 53	3n15	3 25	17 28	2 20	5 39	0 20	3 32	0 2	13 7	1 10	5 0	2 19	18 50	0 41	6 35	1 53	31 45	9 16	9 27	9 30	8 54			n.a.
W 9	7 31	7 50	4 19	16 56	2 20	6 10	0 24	3 50	0 1	13 2	1 10	4 57	2 19	18 49	0 41	6 35	1 53	31 45	9 16	9 27	9 31	8 56			n.a.
T 10	7 8	11 55	4 57	16 23	2 20	6 41	0 27	4 7	0 1	12 57	1 10	4 53	2 19	18 49	0 41	6 36	1 53	31 45	9 17	9 27	9 33	8 58			n.a.
F 11	6 45	15 13	5 15	15 49	2 19	7 12	0 30	4 24	0 0	12 52	1 10	4 50	2 19	18 48	0 41	6 37	1 53	31 45	9 17	9 27	9 34	9 0			n.a.
S 12	6 22	17 34	5 14	15 13	2 18	7 43	0 33	4 41	0n 1	12 47	1 10	4 47	2 19	18 47	0 41	6 37	1 53	31 46	9 17	9 27	9 35	9 2			n.a.
S 13	6 0	18 50	4 55	14 35	2 16	8 14	0 37	4 58	0 1	12 42	1 10	4 44	2 19	18 46	0 42	6 38	1 54	31 46	9 17	9 27	9 36	9 4			n.a.
M14	5 37	19 0	4 19	13 55	2 14	8 44	0 40	5 15	0 2	12 37	1 10	4 41	2 19	18 45	0 42	6 39	1 54	31 46	9 18	9 27	9 37	9 5			n.a.
T 15	5 14	18 5	3 31	13 14	2 12	9 14	0 43	5 32	0 3	12 32	1 10	4 38	2 18	18 45	0 42	6 39	1 54	31 46	9 18	9 27	9 38	9 7			n.a.
W16	4 50	16 13	2 32	12 31	2 8	9 44	0 46	5 49	0 3	12 27	1 10	4 35	2 18	18 44	0 42	6 40	1 54	31 46	9 18	9 26	9 40	9 9			n.a.
T 17	4 27	13 34	1 26	11 47	2 4	10 14	0 50	6 5	0 4	12 22	1 11	4 32	2 18	18 43	0 42	6 41	1 54	31 46	9 18	9 26	9 41	9 11			n.a.
F 18	4 4	10 19	0 17	11 1	2 0	10 43	0 53	6 22	0 4	12 17	1 11	4 28	2 18	18 42	0 42	6 41	1 54	31 46	9 19	9 26	9 42	9 13			n.a.
S 19	3 41	6 39	0n51	10 13	1 55	11 12	0 56	6 39	0 5	12 12	1 11	4 25	2 18	18 42	0 42	6 42	1 54	31 46	9 19	9 26	9 43	9 14			n.a.
S 20	3 18	2 46	1 56	9 24	1 50	11 41	0 59	6 55	0 6	12 7	1 11	4 22	2 18	18 41	0 42	6 43	1 54	31 46	9 19	9 26	9 44	9 16			n.a.
M21	2 54	1s12	2 55	8 33	1 44	12 10	1 2	7 12	0 6	12 2	1 11	4 19	2 18	18 40	0 42	6 43	1 54	31 47	9 20	9 27	9 46	9 18			n.a.
T 22	2 31	5 3	3 46	7 41	1 37	12 38	1 6	7 28	0 7	11 57	1 11	4 16	2 18	18 39	0 42	6 44	1 54	31 47	9 20	9 28	9 47	9 20			n.a.
W23	2 8	8 42	4 26	6 47	1 30	13 7	1 9	7 45	0 8	11 52	1 11	4 13	2 18	18 39	0 42	6 45	1 54	31 47	9 20	9 29	9 48	9 22			n.a.
T 24	1 44	11 58	4 55	5 52	1 23	13 34	1 12	8 1	0 8	11 47	1 11	4 10	2 18	18 38	0 42	6 45	1 54	31 47	9 20	9 30	9 49	9 24			n.a.
F 25	1 21	14 46	5 11	4 56	1 15	14 2	1 15	8 17	0 9	11 42	1 11	4 6	2 18	18 37	0 42	6 46	1 54	31 47	9 21	9 31	9 50	9 25			n.a.
S 26	0 57	16 58	5 14	3 59	1 7	14 29	1 18	8 33	0 9	11 37	1 11	4 3	2 18	18 37	0 42	6 47	1 54	31 47	9 21	9 32	9 51	9 27			n.a.
S 27	0 34	18 26	5 3	3 0	0 58	14 56	1 21	8 49	0 10	11 32	1 12	4 0	2 18	18 36	0 42	6 47	1 54	31 48	9 21	9 32	9 53	9 29			n.a.
M28	0 11	19 5	4 38	2 1	0 48	15 22	1 24	9 5	0 11	11 27	1 12	3 57	2 18	18 35	0 42	6 48	1 54	31 48	9 22	9 33	9 54	9 31			n.a.
T 29	0n13	18 49	4 0	1 0	0 39	15 48	1 28	9 21	0 11	11 22	1 12	3 54	2 18	18 35	0 42	6 48	1 54	31 48	9 22	9 32	9 55	9 33			n.a.
W30	0 36	17 33	3 8	0n 1	0 29	16 14	1 31	9 37	0 12	11 17	1 12	3 51	2 19	18 34	0 42	6 49	1 54	31 48	9 22	9 32	9 56	9 34			n.a.
T 31	1n 0	15s18	2n 5	1n 2	0s19	16n39	1n34	9n53	0n12	11s12	1s12	3s48	2s19	18s33	0s42	6n50	1n53	31s48	9s22	9n31	9n57	9s36			n.a.

Julian Day Number = 1472016.5, Delta T = 05h30m08s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'15, Lahiri = -13°23'14 Julian Calendar 1 March 683 BCE == Greg. Calendar 22 Feb. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

APRIL 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 7 6	3♈25'42	26♒17	5♈26	11♉40	25♈21	4♓28	25♓57	10♒25	17°R16	18♑10	5♍48	4♍33	6♏39	n.a.	F 1
S 2	12 11 2	4°23'38	10♓31	7°36	12°49	26° 2	4°41	26° 5	10°28	17♍14	18°10	5°R48	4°30	6°46	n.a.	S 2
S 3	12 14 59	5°21'33	25° 8	9°46	13°59	26°42	4°55	26°13	10°30	17°13	18°11	5°47	4°27	6°53	n.a.	S 3
M 4	12 18 55	6°19'26	10♈ 2	11°55	15° 8	27°23	5° 8	26°20	10°32	17°11	18°11	5°45	4°24	7° 0	n.a.	M 4
T 5	12 22 52	7°17'18	25° 6	14° 4	16°17	28° 4	5°21	26°28	10°35	17° 9	18°12	5°41	4°20	7° 6	n.a.	T 5
W 6	12 26 48	8°15'08	10♉10	16°11	17°27	28°44	5°35	26°36	10°37	17° 8	18°13	5°36	4°17	7°13	n.a.	W 6
T 7	12 30 45	9°12'56	25° 6	18°18	18°36	29°25	5°48	26°44	10°39	17° 6	18°13	5°32	4°14	7°20	n.a.	T 7
F 8	12 34 42	10°10'43	9♊44	20°23	19°45	0♉ 5	6° 1	26°51	10°41	17° 5	18°14	5°28	4°11	7°26	n.a.	F 8
S 9	12 38 38	11° 8'28	24° 1	22°26	20°53	0°45	6°14	26°59	10°43	17° 4	18°14	5°25	4° 8	7°33	n.a.	S 9
S 10	12 42 35	12° 6'11	7♋54	24°27	22° 2	1°26	6°27	27° 7	10°45	17° 2	18°14	5°D24	4° 5	7°40	n.a.	S 10
M11	12 46 31	13° 3'52	21°23	26°26	23°11	2° 6	6°40	27°14	10°47	17° 1	18°15	5°24	4° 1	7°46	n.a.	M11
T 12	12 50 28	14° 1'31	4♌31	28°22	24°19	2°47	6°53	27°22	10°49	16°59	18°15	5°25	3°58	7°53	n.a.	T 12
W13	12 54 24	14°59'09	17°19	0♉16	25°27	3°27	7° 6	27°29	10°51	16°58	18°16	5°27	3°55	8° 0	n.a.	W13
T 14	12 58 21	15°56'45	29°52	2° 7	26°35	4° 7	7°19	27°37	10°53	16°56	18°16	5°R28	3°52	8° 7	n.a.	T 14
F 15	13 2 17	16°54'19	12♍12	3°56	27°43	4°47	7°31	27°44	10°55	16°55	18°16	5°28	3°49	8°13	n.a.	F 15
S 16	13 6 14	17°51'52	24°23	5°41	28°51	5°27	7°44	27°52	10°57	16°54	18°17	5°26	3°46	8°20	n.a.	S 16
S 17	13 10 11	18°49'23	6♎26	7°23	29°59	6° 8	7°56	27°59	10°58	16°52	18°17	5°22	3°42	8°27	n.a.	S 17
M18	13 14 7	19°46'53	18°23	9° 2	1♊ 7	6°48	8° 9	28° 7	11° 0	16°51	18°17	5°16	3°39	8°33	n.a.	M18
T 19	13 18 4	20°44'22	0♏17	10°38	2°14	7°28	8°21	28°14	11° 2	16°50	18°17	5° 9	3°36	8°40	n.a.	T 19
W20	13 22 0	21°41'50	12°10	12°11	3°21	8° 8	8°34	28°22	11° 3	16°48	18°17	5° 0	3°33	8°47	n.a.	W20
T 21	13 25 57	22°39'16	24° 2	13°41	4°28	8°48	8°46	28°29	11° 5	16°47	18°18	4°52	3°30	8°54	n.a.	T 21
F 22	13 29 53	23°36'42	5♐56	15° 7	5°35	9°28	8°58	28°36	11° 7	16°46	18°18	4°43	3°26	9° 0	n.a.	F 22
S 23	13 33 50	24°34'06	17°54	16°31	6°42	10° 8	9°10	28°44	11° 8	16°45	18°18	4°36	3°23	9° 7	n.a.	S 23
S 24	13 37 46	25°31'30	0♑ 0	17°50	7°49	10°48	9°22	28°51	11°10	16°43	18°18	4°31	3°20	9°14	n.a.	S 24
M25	13 41 43	26°28'53	12°17	19° 7	8°55	11°28	9°34	28°58	11°11	16°42	18°18	4°28	3°17	9°20	n.a.	M25
T 26	13 45 40	27°26'15	24°50	20°20	10° 1	12° 7	9°46	29° 5	11°12	16°41	18°18	4°D27	3°14	9°27	n.a.	T 26
W27	13 49 36	28°23'36	7♒41	21°29	11° 7	12°47	9°58	29°13	11°14	16°40	18°R18	4°27	3°11	9°34	n.a.	W27
T 28	13 53 33	29°20'57	20°57	22°35	12°13	13°27	10°10	29°20	11°15	16°39	18°18	4°28	3° 7	9°41	n.a.	T 28
F 29	13 57 29	0♉18'16	4♓38	23°37	13°19	14° 7	10°21	29°27	11°16	16°38	18°18	4°R28	3° 4	9°47	n.a.	F 29
S 30	14 1 26	1♉15'36	18♓48	24♉36	14♊24	14♉47	10♓33	29♓34	11♒17	16♍37	18♑18	4♍28	3♍ 1	9♏54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n23	12s 7	0n52	2n 4	0s 8	17n 4	1n36	10n 8	0n13	11s 7	1s12	3s45	2s19	18s33	0s42	6n50	1n53	31s48	9s23	9n31	9n59	9s38		n.a.
S 2	1 46	8 8	0s26	3 6	0n 3	17 29	1 39	10 24	0 14	11 3	1 12	3 42	2 19	18 32	0 42	6 51	1 53	31 49	9 23	9 31	10 0	9 40		n.a.
S 3	2 9	3 33	1 44	4 7	0 13	17 53	1 42	10 40	0 14	10 58	1 12	3 38	2 19	18 32	0 42	6 51	1 53	31 49	9 23	9 31	10 1	9 42		n.a.
M 4	2 33	1n20	2 56	5 9	0 24	18 16	1 45	10 55	0 15	10 53	1 12	3 35	2 19	18 31	0 42	6 52	1 53	31 49	9 24	9 32	10 2	9 43		n.a.
T 5	2 56	6 10	3 57	6 9	0 35	18 40	1 48	11 10	0 15	10 48	1 13	3 32	2 19	18 30	0 42	6 53	1 53	31 49	9 24	9 33	10 3	9 45		n.a.
W 6	3 19	10 37	4 42	7 9	0 45	19 2	1 51	11 25	0 16	10 43	1 13	3 29	2 19	18 30	0 42	6 53	1 53	31 49	9 24	9 35	10 4	9 47		n.a.
T 7	3 42	14 21	5 7	8 7	0 55	19 25	1 53	11 41	0 17	10 38	1 13	3 26	2 19	18 29	0 42	6 54	1 53	31 50	9 24	9 37	10 6	9 49		n.a.
F 8	4 5	17 6	5 11	9 5	1 5	19 47	1 56	11 56	0 17	10 34	1 13	3 23	2 19	18 29	0 42	6 54	1 53	31 50	9 25	9 38	10 7	9 51		n.a.
S 9	4 28	18 43	4 56	10 1	1 15	20 8	1 58	12 10	0 18	10 29	1 13	3 20	2 19	18 28	0 42	6 55	1 53	31 50	9 25	9 39	10 8	9 52		n.a.
S 10	4 51	19 9	4 23	10 55	1 24	20 29	2 1	12 25	0 18	10 24	1 13	3 17	2 19	18 28	0 42	6 55	1 53	31 50	9 25	9 40	10 9	9 54		n.a.
M11	5 14	18 29	3 37	11 47	1 33	20 49	2 3	12 40	0 19	10 19	1 13	3 14	2 19	18 27	0 42	6 56	1 53	31 51	9 26	9 40	10 10	9 56		n.a.
T 12	5 36	16 48	2 40	12 37	1 41	21 9	2 6	12 55	0 19	10 15	1 14	3 11	2 19	18 27	0 42	6 57	1 53	31 51	9 26	9 39	10 11	9 58		n.a.
W13	5 59	14 19	1 37	13 25	1 49	21 28	2 8	13 9	0 20	10 10	1 14	3 8	2 19	18 26	0 42	6 57	1 53	31 51	9 26	9 39	10 13	10 0		n.a.
T 14	6 22	11 12	0 30	14 11	1 56	21 47	2 10	13 23	0 21	10 5	1 14	3 5	2 19	18 26	0 42	6 58	1 53	31 51	9 27	9 38	10 14	10 1		n.a.
F 15	6 44	7 38	0n37	14 55	2 3	22 5	2 13	13 38	0 21	10 1	1 14	3 2	2 19	18 25	0 42	6 58	1 53	31 52	9 27	9 38	10 15	10 3		n.a.
S 16	7 6	3 48	1 41	15 37	2 8	22 22	2 15	13 52	0 22	9 56	1 14	2 59	2 19	18 25	0 42	6 59	1 53	31 52	9 27	9 39	10 16	10 5		n.a.
S 17	7 28	0s 9	2 40	16 16	2 13	22 39	2 17	14 6	0 22	9 51	1 14	2 56	2 20	18 24	0 43	6 59	1 53	31 52	9 27	9 40	10 17	10 7		n.a.
M18	7 51	4 4	3 31	16 53	2 18	22 56	2 19	14 20	0 23	9 47	1 14	2 53	2 20	18 24	0 43	7 0	1 53	31 52	9 28	9 43	10 18	10 8		n.a.
T 19	8 12	7 48	4 13	17 27	2 21	23 12	2 21	14 34	0 23	9 42	1 15	2 50	2 20	18 23	0 43	7 0	1 53	31 53	9 28	9 45	10 20	10 10		n.a.
W20	8 34	11 12	4 43	17 59	2 24	23 27	2 23	14 47	0 24	9 38	1 15	2 48	2 20	18 23	0 43	7 1	1 53	31 53	9 28	9 48	10 21	10 12		n.a.
T 21	8 56	14 10	5 2	18 29	2 26	23 42	2 24	15 1	0 24	9 33	1 15	2 45	2 20	18 22	0 43	7 1	1 53	31 53	9 29	9 52	10 22	10 14		n.a.
F 22	9 18	16 34	5 7	18 56	2 27	23 56	2 26	15 14	0 25	9 29	1 15	2 42	2 20	18 22	0 43	7 2	1 53	31 54	9 29	9 55	10 23	10 16		n.a.
S 23	9 39	18 15	4 59	19 21	2 27	24 9	2 28	15 28	0 25	9 24	1 15	2 39	2 20	18 22	0 43	7 2	1 53	31 54	9 29	9 57	10 24	10 17		n.a.
S 24	10 0	19 9	4 37	19 44	2 27	24 22	2 29	15 41	0 26	9 20	1 15	2 36	2 20	18 21	0 43	7 2	1 53	31 54	9 30	9 59	10 25	10 19		n.a.
M25	10 21	19 10	4 3	20 4	2 25	24 34	2 30	15 54	0 26	9 15	1 16	2 33	2 20	18 21	0 43	7 3	1 53	31 54	9 30	10 0	10 27	10 21		n.a.
T 26	10 42	18 15	3 16	20 22	2 23	24 46	2 32	16 7	0 27	9 11	1 16	2 30	2 20	18 21	0 43	7 3	1 53	31 55	9 30	10 1	10 28	10 23		n.a.
W27	11 3	16 22	2 19	20 38	2 20	24 57	2 33	16 20	0 28	9 6	1 16	2 28	2 21	18 20	0 43	7 4	1 53	31 55	9 31	10 1	10 29	10 25		n.a.
T 28	11 24	13 35	1 12	20 52	2 17	25 7	2 34	16 32	0 28	9 2	1 16	2 25	2 21	18 20	0 43	7 4	1 53	31 55	9 31	10 0	10 30	10 26		n.a.
F 29	11 44	9 57	0s 1	21 4	2 12	25 17	2 35	16 45	0 29	8 58	1 16	2 22	2 21	18 20	0 43	7 5	1 53	31 56	9 31	10 0	10 31	10 28		n.a.
S 30	12n 5	5s39	1s16	21n13	2n 6	25n26	2n36	16n57	0n29	8s54	1s17	2s19	2s21	18s19	0s43	7n 5	1n53	31s56	9s31	10n 1	10n32	10s30		n.a.

Julian Day Number = 1472047.5, Delta T = 05h30m06s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'10, Lahiri = -13°23'10 Julian Calendar 1 Apr. 683 BCE == Greg. Calendar 25 March 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

MAY 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 5 22	2♉12'54	3♈25	25♉31	15♊30	15♉26	10♓45	29♓41	11♒19	16°R36	18°R18	4°R25	2♍58	10♏ 1	n.a.	S 1
M 2	14 9 19	3°10'12	18°23	26°22	16°35	16° 6	10°56	29°48	11°20	16♍35	18♑18	4♍19	2°55	10° 7	n.a.	M 2
T 3	14 13 15	4° 7'28	3♉37	27° 9	17°40	16°46	11° 7	29°55	11°21	16°34	18°17	4°12	2°51	10°14	n.a.	T 3
W 4	14 17 12	5° 4'45	18°54	27°52	18°45	17°25	11°18	0♈ 2	11°22	16°33	18°17	4° 4	2°48	10°21	n.a.	W 4
T 5	14 21 9	6° 2'00	4♊ 5	28°31	19°49	18° 5	11°30	0° 9	11°23	16°32	18°17	3°55	2°45	10°28	n.a.	T 5
F 6	14 25 5	6°59'15	18°58	29° 6	20°53	18°44	11°41	0°15	11°24	16°31	18°17	3°47	2°42	10°34	n.a.	F 6
S 7	14 29 2	7°56'28	3♋28	29°36	21°57	19°24	11°51	0°22	11°24	16°30	18°17	3°40	2°39	10°41	n.a.	S 7
S 8	14 32 58	8°53'41	17°29	0♊ 3	23° 1	20° 3	12° 2	0°29	11°25	16°29	18°16	3°36	2°36	10°48	n.a.	S 8
M 9	14 36 55	9°50'52	1♌ 2	0°24	24° 5	20°43	12°13	0°36	11°26	16°28	18°16	3°34	2°32	10°54	n.a.	M 9
T 10	14 40 51	10°48'03	14° 8	0°42	25° 8	21°22	12°24	0°42	11°27	16°27	18°16	3°D34	2°29	11° 1	n.a.	T 10
W11	14 44 48	11°45'13	26°52	0°54	26°11	22° 2	12°34	0°49	11°27	16°27	18°15	3°R35	2°26	11° 8	n.a.	W11
T 12	14 48 44	12°42'22	9♍18	1° 3	27°14	22°41	12°45	0°55	11°28	16°26	18°15	3°35	2°23	11°15	n.a.	T 12
F 13	14 52 41	13°39'30	21°29	1°R 6	28°17	23°20	12°55	1° 2	11°29	16°25	18°15	3°33	2°20	11°21	n.a.	F 13
S 14	14 56 38	14°36'38	3♎31	1° 5	29°19	24° 0	13° 5	1° 8	11°29	16°25	18°14	3°29	2°17	11°28	n.a.	S 14
S 15	15 0 34	15°33'44	15°27	1° 0	0♋21	24°39	13°15	1°15	11°30	16°24	18°14	3°23	2°13	11°35	n.a.	S 15
M16	15 4 31	16°30'51	27°19	0°50	1°22	25°18	13°25	1°21	11°30	16°23	18°13	3°14	2°10	11°41	n.a.	M16
T 17	15 8 27	17°27'57	9♏11	0°36	2°24	25°58	13°35	1°27	11°30	16°23	18°13	3° 3	2° 7	11°48	n.a.	T 17
W18	15 12 24	18°25'02	21° 4	0°18	3°25	26°37	13°45	1°33	11°31	16°22	18°12	2°50	2° 4	11°55	n.a.	W18
T 19	15 16 20	19°22'07	2♐58	29♉57	4°25	27°16	13°54	1°39	11°31	16°22	18°12	2°37	2° 1	12° 2	n.a.	T 19
F 20	15 20 17	20°19'12	14°57	29°32	5°26	27°55	14° 4	1°45	11°31	16°21	18°11	2°24	1°57	12° 8	n.a.	F 20
S 21	15 24 13	21°16'17	27° 1	29° 4	6°26	28°34	14°13	1°51	11°31	16°20	18°10	2°13	1°54	12°15	n.a.	S 21
S 22	15 28 10	22°13'22	9♑12	28°33	7°26	29°14	14°23	1°57	11°32	16°20	18°10	2° 5	1°51	12°22	n.a.	S 22
M23	15 32 7	23°10'27	21°33	28° 0	8°25	29°53	14°32	2° 3	11°32	16°20	18° 9	1°59	1°48	12°28	n.a.	M23
T 24	15 36 3	24° 7'32	4♒ 8	27°26	9°24	0♊32	14°41	2° 9	11°R32	16°19	18° 9	1°56	1°45	12°35	n.a.	T 24
W25	15 40 0	25° 4'37	16°58	26°51	10°22	1°11	14°50	2°15	11°32	16°19	18° 8	1°55	1°42	12°42	n.a.	W25
T 26	15 43 56	26° 1'42	0♓ 9	26°15	11°21	1°50	14°59	2°21	11°32	16°19	18° 7	1°55	1°38	12°49	n.a.	T 26
F 27	15 47 53	26°58'48	13°44	25°39	12°18	2°29	15° 7	2°26	11°32	16°18	18° 7	1°54	1°35	12°55	n.a.	F 27
S 28	15 51 49	27°55'53	27°44	25° 5	13°16	3° 8	15°16	2°32	11°31	16°18	18° 6	1°53	1°32	13° 2	n.a.	S 28
S 29	15 55 46	28°52'59	12♈11	24°31	14°13	3°47	15°24	2°37	11°31	16°18	18° 5	1°49	1°29	13° 9	n.a.	S 29
M30	15 59 43	29°50'06	27° 0	24° 0	15° 9	4°26	15°33	2°43	11°31	16°17	18° 4	1°43	1°26	13°15	n.a.	M30
T 31	16 3 39	0♊47'12	12♉ 7	23♉31	16♋ 5	5♊ 5	15♓41	2♈48	11♒31	16♍17	18♑ 3	1♍34	1♍22	13♏22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	12n25	0s53	2s28	21n21	2n 0	25n34	2n37	17n10	0n30	8s49	1s17	2s17	2s21	18s19	0s43	7n 5	1n53	31s56	9s32	10n 2	10n34	10s32			n.a.
M 2	12 45	4n 2	3 32	21 26	1 53	25 42	2 37	17 22	0 30	8 45	1 17	2 14	2 21	18 19	0 43	7 6	1 53	31 57	9 32	10 4	10 35	10 33			n.a.
T 3	13 4	8 47	4 22	21 30	1 45	25 49	2 38	17 34	0 31	8 41	1 17	2 11	2 21	18 18	0 43	7 6	1 53	31 57	9 32	10 6	10 36	10 35			n.a.
W 4	13 24	12 59	4 54	21 31	1 36	25 55	2 38	17 46	0 31	8 37	1 17	2 9	2 21	18 18	0 43	7 6	1 53	31 57	9 33	10 9	10 37	10 37			n.a.
T 5	13 43	16 17	5 4	21 31	1 27	26 1	2 39	17 58	0 32	8 33	1 17	2 6	2 22	18 18	0 43	7 7	1 53	31 58	9 33	10 13	10 38	10 39			n.a.
F 6	14 2	18 26	4 54	21 29	1 16	26 6	2 39	18 9	0 32	8 29	1 18	2 3	2 22	18 18	0 43	7 7	1 52	31 58	9 33	10 16	10 39	10 40			n.a.
S 7	14 21	19 20	4 24	21 24	1 5	26 10	2 39	18 21	0 33	8 25	1 18	2 1	2 22	18 18	0 43	7 7	1 52	31 58	9 34	10 18	10 41	10 42			n.a.
S 8	14 40	18 59	3 40	21 18	0 53	26 14	2 39	18 32	0 33	8 21	1 18	1 58	2 22	18 17	0 43	7 8	1 52	31 59	9 34	10 19	10 42	10 44			n.a.
M 9	14 58	17 32	2 44	21 11	0 40	26 17	2 39	18 43	0 34	8 17	1 18	1 56	2 22	18 17	0 43	7 8	1 52	31 59	9 34	10 20	10 43	10 46			n.a.
T 10	15 16	15 12	1 42	21 1	0 27	26 20	2 39	18 54	0 34	8 13	1 19	1 53	2 22	18 17	0 43	7 8	1 52	31 59	9 34	10 20	10 44	10 48			n.a.
W11	15 34	12 10	0 36	20 50	0 13	26 21	2 38	19 5	0 34	8 9	1 19	1 51	2 22	18 17	0 43	7 8	1 52	32 0	9 35	10 20	10 45	10 49			n.a.
T 12	15 52	8 40	0n30	20 38	0s 2	26 22	2 38	19 16	0 35	8 5	1 19	1 48	2 23	18 17	0 43	7 9	1 52	32 0	9 35	10 20	10 46	10 51			n.a.
F 13	16 10	4 51	1 34	20 24	0 17	26 23	2 37	19 26	0 35	8 1	1 19	1 46	2 23	18 17	0 44	7 9	1 52	32 0	9 35	10 21	10 47	10 53			n.a.
S 14	16 27	0 54	2 32	20 8	0 33	26 23	2 36	19 37	0 36	7 57	1 19	1 43	2 23	18 17	0 44	7 9	1 52	32 1	9 36	10 22	10 49	10 55			n.a.
S 15	16 44	3s 3	3 23	19 51	0 49	26 22	2 35	19 47	0 36	7 54	1 20	1 41	2 23	18 16	0 44	7 9	1 52	32 1	9 36	10 24	10 50	10 56			n.a.
M16	17 0	6 52	4 4	19 33	1 5	26 20	2 34	19 57	0 37	7 50	1 20	1 39	2 23	18 16	0 44	7 10	1 52	32 1	9 36	10 28	10 51	10 58			n.a.
T 17	17 17	10 25	4 35	19 14	1 22	26 18	2 33	20 7	0 37	7 46	1 20	1 36	2 23	18 16	0 44	7 10	1 52	32 2	9 36	10 32	10 52	11 0			n.a.
W18	17 33	13 33	4 54	18 54	1 38	26 15	2 32	20 17	0 38	7 43	1 20	1 34	2 24	18 16	0 44	7 10	1 52	32 2	9 37	10 36	10 53	11 2			n.a.
T 19	17 49	16 8	5 0	18 33	1 55	26 12	2 30	20 27	0 38	7 39	1 21	1 32	2 24	18 16	0 44	7 10	1 52	32 2	9 37	10 41	10 54	11 3			n.a.
F 20	18 5	18 3	4 53	18 12	2 11	26 8	2 29	20 36	0 39	7 36	1 21	1 29	2 24	18 16	0 44	7 10	1 52	32 3	9 37	10 46	10 56	11 5			n.a.
S 21	18 20	19 11	4 33	17 51	2 27	26 4	2 27	20 45	0 39	7 32	1 21	1 27	2 24	18 16	0 44	7 10	1 52	32 3	9 38	10 50	10 57	11 7			n.a.
S 22	18 35	19 27	4 1	17 29	2 42	25 58	2 25	20 55	0 40	7 29	1 21	1 25	2 24	18 16	0 44	7 11	1 52	32 3	9 38	10 53	10 58	11 9			n.a.
M23	18 50	18 48	3 16	17 7	2 57	25 53	2 23	21 4	0 40	7 25	1 21	1 23	2 25	18 16	0 44	7 11	1 52	32 4	9 38	10 55	10 59	11 10			n.a.
T 24	19 4	17 12	2 21	16 46	3 11	25 46	2 20	21 12	0 41	7 22	1 22	1 20	2 25	18 16	0 44	7 11	1 52	32 4	9 38	10 56	11 0	11 12			n.a.
W25	19 18	14 44	1 18	16 25	3 24	25 39	2 18	21 21	0 41	7 19	1 22	1 18	2 25	18 16	0 44	7 11	1 52	32 4	9 39	10 57	11 1	11 14			n.a.
T 26	19 32	11 26	0 9	16 5	3 36	25 32	2 15	21 30	0 41	7 16	1 22	1 16	2 25	18 16	0 44	7 11	1 51	32 5	9 39	10 57	11 2	11 16			n.a.
F 27	19 45	7 26	1s 2	15 47	3 47	25 24	2 13	21 38	0 42	7 12	1 22	1 14	2 25	18 16	0 44	7 11	1 51	32 5	9 39	10 57	11 4	11 17			n.a.
S 28	19 59	2 56	2 12	15 29	3 56	25 15	2 10	21 46	0 42	7 9	1 23	1 12	2 26	18 16	0 44	7 11	1 51	32 6	9 39	10 57	11 5	11 19			n.a.
S 29	20 11	1n53	3 16	15 13	4 4	25 6	2 6	21 54	0 43	7 6	1 23	1 10	2 26	18 16	0 44	7 11	1 51	32 6	9 40	10 59	11 6	11 21			n.a.
M30	20 24	6 42	4 8	14 59	4 11	24 56	2 3	22 2	0 43	7 3	1 23	1 8	2 26	18 17	0 44	7 11	1 51	32 6	9 40	11 1	11 7	11 23			n.a.
T 31	20n36	11n11	4s44	14n47	4s16	24n46	2n 0	22n10	0n44	7s 0	1s23	1s 6	2s26	18s17	0s44	7n11	1n51	32s 7	9s40	11n 4	11n 8	11s24			n.a.

Julian Day Number = 1472077.5, Delta T = 05h30m05s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'06, Lahiri = -13°23'06 Julian Calendar 1 May 683 BCE == Greg. Calendar 24 Apr. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

JUNE 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 7 36	1♊44'19	27♉22	23°R 5	17♋ 1	5♊44	15♓49	2♈53	11°R30	16°R17	18°R 3	1°R23	1♍19	13♏29	n.a.	W 1
T 2	16 11 32	2°41'26	12♊34	22♉43	17°56	6°23	15°57	2°59	11♒30	16♍17	18♑ 2	1♍13	1°16	13°36	n.a.	T 2
F 3	16 15 29	3°38'34	27°32	22°25	18°50	7° 1	16° 4	3° 4	11°30	16°17	18° 1	1° 3	1°13	13°42	n.a.	F 3
S 4	16 19 25	4°35'41	12♋ 8	22°11	19°44	7°40	16°12	3° 9	11°29	16°17	18° 0	0°55	1°10	13°49	n.a.	S 4
S 5	16 23 22	5°32'49	26°16	22° 1	20°38	8°19	16°19	3°14	11°29	16°D17	17°59	0°49	1° 7	13°56	n.a.	S 5
M 6	16 27 18	6°29'56	9♌55	21°D57	21°31	8°58	16°27	3°19	11°28	16°17	17°58	0°46	1° 3	14° 2	n.a.	M 6
T 7	16 31 15	7°27'04	23° 5	21°57	22°23	9°37	16°34	3°23	11°27	16°17	17°57	0°45	1° 0	14° 9	n.a.	T 7
W 8	16 35 12	8°24'11	5♍51	22° 3	23°14	10°16	16°41	3°28	11°27	16°17	17°56	0°45	0°57	14°16	n.a.	W 8
T 9	16 39 8	9°21'19	18°16	22°13	24° 5	10°54	16°48	3°33	11°26	16°17	17°55	0°44	0°54	14°23	n.a.	T 9
F 10	16 43 5	10°18'27	0♎25	22°30	24°56	11°33	16°54	3°37	11°25	16°17	17°54	0°43	0°51	14°29	n.a.	F 10
S 11	16 47 1	11°15'35	12°24	22°51	25°45	12°12	17° 1	3°42	11°24	16°17	17°53	0°40	0°48	14°36	n.a.	S 11
S 12	16 50 58	12°12'43	24°18	23°18	26°34	12°50	17° 7	3°46	11°24	16°18	17°52	0°34	0°44	14°43	n.a.	S 12
M13	16 54 54	13° 9'51	6♏ 9	23°50	27°23	13°29	17°13	3°51	11°23	16°18	17°51	0°25	0°41	14°49	n.a.	M13
T 14	16 58 51	14° 7'01	18° 1	24°28	28°10	14° 8	17°19	3°55	11°22	16°18	17°50	0°14	0°38	14°56	n.a.	T 14
W15	17 2 47	15° 4'10	29°56	25°11	28°57	14°46	17°25	3°59	11°21	16°18	17°49	0° 1	0°35	15° 3	n.a.	W15
T 16	17 6 44	16° 1'20	11♐57	26° 0	29°42	15°25	17°31	4° 3	11°20	16°19	17°48	29♌48	0°32	15°10	n.a.	T 16
F 17	17 10 41	16°58'31	24° 3	26°53	0♌27	16° 4	17°37	4° 7	11°19	16°19	17°47	29°36	0°28	15°16	n.a.	F 17
S 18	17 14 37	17°55'43	6♑17	27°52	1°11	16°42	17°42	4°11	11°18	16°20	17°46	29°25	0°25	15°23	n.a.	S 18
S 19	17 18 34	18°52'55	18°40	28°56	1°54	17°21	17°47	4°15	11°16	16°20	17°45	29°17	0°22	15°30	n.a.	S 19
M20	17 22 30	19°50'08	1♒12	0♊ 5	2°36	17°59	17°52	4°19	11°15	16°20	17°44	29°11	0°19	15°37	n.a.	M20
T 21	17 26 27	20°47'23	13°56	1°19	3°18	18°38	17°57	4°23	11°14	16°21	17°43	29° 8	0°16	15°43	n.a.	T 21
W22	17 30 23	21°44'38	26°53	2°38	3°58	19°16	18° 2	4°26	11°13	16°21	17°42	29°D 7	0°13	15°50	n.a.	W22
T 23	17 34 20	22°41'54	10♓ 7	4° 1	4°37	19°55	18° 7	4°30	11°11	16°22	17°40	29° 7	0° 9	15°57	n.a.	T 23
F 24	17 38 17	23°39'12	23°40	5°29	5°15	20°33	18°11	4°33	11°10	16°23	17°39	29°R 8	0° 6	16° 3	n.a.	F 24
S 25	17 42 13	24°36'30	7♈33	7° 2	5°51	21°12	18°15	4°36	11° 9	16°23	17°38	29° 7	0° 3	16°10	n.a.	S 25
S 26	17 46 10	25°33'50	21°47	8°38	6°27	21°50	18°19	4°39	11° 7	16°24	17°37	29° 5	29♌59	16°17	n.a.	S 26
M27	17 50 6	26°31'12	6♉21	10°19	7° 1	22°29	18°23	4°43	11° 6	16°25	17°36	29° 0	29°57	16°24	n.a.	M27
T 28	17 54 3	27°28'34	21°10	12° 3	7°34	23° 7	18°27	4°46	11° 4	16°25	17°34	28°53	29°54	16°30	n.a.	T 28
W29	17 57 59	28°25'58	6♊ 8	13°50	8° 6	23°46	18°30	4°48	11° 3	16°26	17°33	28°44	29°50	16°37	n.a.	W29
T 30	18 1 56	29♊23'23	21♊ 5	15♊41	8♌36	24♊24	18♓34	4♈51	11♒ 1	16♍27	17♑32	28♌35	29♌47	16♏44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n48	14n59	5s 0	14n37	4s19	24n36	1n56	22n17	0n44	6s57	1s24	1s 4	2s26	18s17	0s44	7n11	1n51	32s 7	9s40	11n 8	11n 9	11s26		n.a.
T 2	20 59	17 45	4 55	14 30	4 22	24 24	1 52	22 24	0 44	6 54	1 24	1 2	2 27	18 17	0 44	7 11	1 51	32 7	9 41	11 12	11 10	11 28		n.a.
F 3	21 11	19 16	4 29	14 24	4 22	24 13	1 48	22 31	0 45	6 52	1 24	1 0	2 27	18 17	0 44	7 11	1 51	32 8	9 41	11 15	11 12	11 30		n.a.
S 4	21 21	19 27	3 47	14 21	4 22	24 1	1 44	22 38	0 45	6 49	1 25	0 59	2 27	18 17	0 44	7 11	1 51	32 8	9 41	11 18	11 13	11 31		n.a.
S 5	21 32	18 23	2 51	14 21	4 20	23 48	1 40	22 45	0 46	6 46	1 25	0 57	2 27	18 17	0 44	7 11	1 51	32 8	9 41	11 20	11 14	11 33		n.a.
M 6	21 42	16 17	1 48	14 23	4 16	23 35	1 35	22 52	0 46	6 44	1 25	0 55	2 28	18 18	0 44	7 11	1 51	32 9	9 42	11 21	11 15	11 35		n.a.
T 7	21 52	13 23	0 40	14 27	4 12	23 22	1 30	22 58	0 47	6 41	1 25	0 53	2 28	18 18	0 44	7 11	1 51	32 9	9 42	11 22	11 16	11 36		n.a.
W 8	22 1	9 55	0n27	14 34	4 6	23 8	1 25	23 4	0 47	6 39	1 26	0 52	2 28	18 18	0 45	7 11	1 51	32 10	9 42	11 22	11 17	11 38		n.a.
T 9	22 10	6 6	1 31	14 44	3 59	22 54	1 20	23 10	0 47	6 36	1 26	0 50	2 28	18 18	0 45	7 11	1 51	32 10	9 42	11 22	11 18	11 40		n.a.
F 10	22 18	2 7	2 30	14 55	3 52	22 40	1 15	23 16	0 48	6 34	1 26	0 48	2 28	18 19	0 45	7 11	1 51	32 10	9 43	11 22	11 20	11 42		n.a.
S 11	22 27	1s53	3 21	15 9	3 43	22 25	1 9	23 22	0 48	6 31	1 26	0 47	2 29	18 19	0 45	7 11	1 51	32 11	9 43	11 24	11 21	11 43		n.a.
S 12	22 34	5 47	4 3	15 25	3 33	22 10	1 3	23 28	0 49	6 29	1 27	0 45	2 29	18 19	0 45	7 10	1 51	32 11	9 43	11 26	11 22	11 45		n.a.
M13	22 42	9 26	4 35	15 43	3 23	21 55	0 57	23 33	0 49	6 27	1 27	0 44	2 29	18 19	0 45	7 10	1 50	32 11	9 43	11 29	11 23	11 47		n.a.
T 14	22 49	12 44	4 54	16 3	3 12	21 39	0 51	23 38	0 49	6 25	1 27	0 42	2 29	18 20	0 45	7 10	1 50	32 12	9 43	11 33	11 24	11 49		n.a.
W15	22 56	15 31	5 1	16 25	3 1	21 23	0 44	23 43	0 50	6 23	1 28	0 41	2 30	18 20	0 45	7 10	1 50	32 12	9 44	11 37	11 25	11 50		n.a.
T 16	23 2	17 41	4 54	16 48	2 48	21 7	0 38	23 48	0 50	6 21	1 28	0 39	2 30	18 20	0 45	7 10	1 50	32 12	9 44	11 42	11 26	11 52		n.a.
F 17	23 8	19 4	4 34	17 13	2 36	20 50	0 31	23 52	0 51	6 19	1 28	0 38	2 30	18 21	0 45	7 10	1 50	32 13	9 44	11 46	11 28	11 54		n.a.
S 18	23 13	19 36	4 2	17 38	2 23	20 33	0 24	23 57	0 51	6 17	1 29	0 37	2 30	18 21	0 45	7 9	1 50	32 13	9 44	11 50	11 29	11 55		n.a.
S 19	23 18	19 12	3 17	18 6	2 10	20 17	0 16	24 1	0 51	6 15	1 29	0 35	2 31	18 21	0 45	7 9	1 50	32 13	9 44	11 53	11 30	11 57		n.a.
M20	23 23	17 51	2 23	18 34	1 56	19 59	0 9	24 5	0 52	6 13	1 29	0 34	2 31	18 22	0 45	7 9	1 50	32 14	9 45	11 55	11 31	11 59		n.a.
T 21	23 27	15 36	1 20	19 2	1 43	19 42	0 1	24 9	0 52	6 12	1 29	0 33	2 31	18 22	0 45	7 9	1 50	32 14	9 45	11 56	11 32	12 1		n.a.
W22	23 31	12 32	0 12	19 31	1 29	19 25	0s 7	24 12	0 52	6 10	1 30	0 32	2 31	18 22	0 45	7 8	1 50	32 14	9 45	11 56	11 33	12 2		n.a.
T 23	23 34	8 47	0s58	20 1	1 15	19 7	0 16	24 16	0 53	6 9	1 30	0 30	2 32	18 23	0 45	7 8	1 50	32 15	9 45	11 56	11 34	12 4		n.a.
F 24	23 37	4 29	2 7	20 31	1 2	18 50	0 24	24 19	0 53	6 7	1 30	0 29	2 32	18 23	0 45	7 8	1 50	32 15	9 45	11 56	11 36	12 6		n.a.
S 25	23 40	0n 8	3 10	21 0	0 48	18 32	0 33	24 22	0 54	6 6	1 31	0 28	2 32	18 24	0 45	7 8	1 50	32 15	9 45	11 57	11 37	12 7		n.a.
S 26	23 42	4 52	4 2	21 29	0 35	18 14	0 42	24 25	0 54	6 4	1 31	0 27	2 33	18 24	0 45	7 7	1 50	32 16	9 46	11 57	11 38	12 9		n.a.
M27	23 44	9 24	4 41	21 57	0 22	17 57	0 52	24 28	0 54	6 3	1 31	0 26	2 33	18 25	0 45	7 7	1 50	32 16	9 46	11 59	11 39	12 11		n.a.
T 28	23 45	13 27	5 1	22 24	0 9	17 39	1 1	24 30	0 55	6 2	1 32	0 25	2 33	18 25	0 45	7 7	1 50	32 16	9 46	12 2	11 40	12 13		n.a.
W29	23 46	16 41	5 2	22 50	0n 3	17 21	1 11	24 32	0 55	6 1	1 32	0 24	2 33	18 26	0 45	7 6	1 50	32 17	9 46	12 5	11 41	12 14		n.a.
T 30	23n46	18n48	4s41	23n15	0n15	17n 4	1s21	24n35	0n55	6s 0	1s32	0s23	2s34	18s26	0s45	7n 6	1n50	32s17	9s46	12n 8	11n42	12s16		n.a.

Julian Day Number = 1472108.5, Delta T = 05h30m03s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°30'02, Lahiri = -13°23'02 Julian Calendar 1 June 683 BCE == Greg. Calendar 25 May 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

JULY 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 5 52	0♋20'49	5♋53	17♊35	9♌ 5	25♊ 3	18♓37	4♈54	11°R 0	16♍28	17°R31	28°R27	29♌44	16♏50	n.a.	F 1
S 2	18 9 49	1°18'17	20°24	19°31	9°32	25°41	18°40	4°57	10♒58	16°28	17♑29	28♌20	29°41	16°57	n.a.	S 2
S 3	18 13 46	2°15'45	4♌30	21°29	9°58	26°19	18°42	4°59	10°56	16°29	17°28	28°16	29°38	17° 4	n.a.	S 3
M 4	18 17 42	3°13'14	18°10	23°28	10°22	26°58	18°45	5° 2	10°54	16°30	17°27	28°13	29°34	17°11	n.a.	M 4
T 5	18 21 39	4°10'45	1♍24	25°30	10°44	27°36	18°47	5° 4	10°53	16°31	17°26	28°D13	29°31	17°17	n.a.	T 5
W 6	18 25 35	5° 8'16	14°12	27°32	11° 5	28°15	18°50	5° 6	10°51	16°32	17°24	28°14	29°28	17°24	n.a.	W 6
T 7	18 29 32	6° 5'48	26°40	29°35	11°24	28°53	18°52	5° 8	10°49	16°33	17°23	28°15	29°25	17°31	n.a.	T 7
F 8	18 33 28	7° 3'21	8♎52	1♋38	11°41	29°31	18°53	5°10	10°47	16°34	17°22	28°R15	29°22	17°37	n.a.	F 8
S 9	18 37 25	8° 0'56	20°52	3°41	11°56	0♋10	18°55	5°12	10°45	16°35	17°20	28°14	29°19	17°44	n.a.	S 9
S 10	18 41 21	8°58'31	2♏46	5°44	12° 9	0°48	18°56	5°14	10°43	16°36	17°19	28°11	29°15	17°51	n.a.	S 10
M11	18 45 18	9°56'08	14°37	7°47	12°20	1°26	18°58	5°16	10°42	16°37	17°18	28° 6	29°12	17°58	n.a.	M11
T 12	18 49 15	10°53'46	26°32	9°49	12°29	2° 4	18°59	5°17	10°40	16°38	17°16	28° 0	29° 9	18° 4	n.a.	T 12
W13	18 53 11	11°51'25	8♐31	11°51	12°36	2°43	18°59	5°19	10°38	16°40	17°15	27°52	29° 6	18°11	n.a.	W13
T 14	18 57 8	12°49'06	20°38	13°51	12°40	3°21	19° 0	5°20	10°36	16°41	17°14	27°43	29° 3	18°18	n.a.	T 14
F 15	19 1 4	13°46'48	2♑55	15°51	12°R42	3°59	19° 0	5°21	10°34	16°42	17°13	27°36	29° 0	18°25	n.a.	F 15
S 16	19 5 1	14°44'31	15°22	17°49	12°42	4°37	19° 1	5°22	10°31	16°43	17°11	27°29	28°56	18°31	n.a.	S 16
S 17	19 8 57	15°42'16	28° 1	19°46	12°40	5°16	19°R 1	5°24	10°29	16°45	17°10	27°23	28°53	18°38	n.a.	S 17
M18	19 12 54	16°40'02	10♒51	21°42	12°35	5°54	19° 0	5°24	10°27	16°46	17° 9	27°20	28°50	18°45	n.a.	M18
T 19	19 16 50	17°37'51	23°53	23°37	12°28	6°32	19° 0	5°25	10°25	16°47	17° 7	27°D19	28°47	18°51	n.a.	T 19
W20	19 20 47	18°35'41	7♓ 7	25°31	12°19	7°10	19° 0	5°26	10°23	16°49	17° 6	27°19	28°44	18°58	n.a.	W20
T 21	19 24 44	19°33'32	20°33	27°23	12° 7	7°49	18°59	5°27	10°21	16°50	17° 5	27°21	28°40	19° 5	n.a.	T 21
F 22	19 28 40	20°31'26	4♈14	29°14	11°52	8°27	18°58	5°27	10°19	16°51	17° 3	27°22	28°37	19°12	n.a.	F 22
S 23	19 32 37	21°29'22	18° 8	1♌ 3	11°36	9° 5	18°57	5°28	10°16	16°53	17° 2	27°R23	28°34	19°18	n.a.	S 23
S 24	19 36 33	22°27'19	2♉15	2°51	11°17	9°43	18°55	5°28	10°14	16°54	17° 1	27°23	28°31	19°25	n.a.	S 24
M25	19 40 30	23°25'19	16°34	4°38	10°56	10°21	18°54	5°28	10°12	16°56	16°59	27°21	28°28	19°32	n.a.	M25
T 26	19 44 26	24°23'21	1♊ 3	6°24	10°33	10°59	18°52	5°R28	10°10	16°57	16°58	27°18	28°25	19°39	n.a.	T 26
W27	19 48 23	25°21'25	15°36	8° 8	10° 8	11°38	18°50	5°28	10° 7	16°59	16°57	27°13	28°21	19°45	n.a.	W27
T 28	19 52 19	26°19'31	0♋ 8	9°51	9°41	12°16	18°48	5°28	10° 5	17° 0	16°55	27° 9	28°18	19°52	n.a.	T 28
F 29	19 56 16	27°17'39	14°33	11°33	9°12	12°54	18°46	5°28	10° 3	17° 2	16°54	27° 4	28°15	19°59	n.a.	F 29
S 30	20 0 13	28°15'49	28°45	13°14	8°41	13°32	18°43	5°28	10° 0	17° 3	16°53	27° 1	28°12	20° 5	n.a.	S 30
S 31	20 4 9	29♋14'00	12♌39	14♌53	8♌ 9	14♋10	18♓40	5♈27	9♒58	17♍ 5	16♑52	26♌59	28♌ 9	20♏12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n46	19n37	4s 2	23n37	0n26	16n46	1s32	24n37	0n56	5s59	1s33	0s23	2s34	18s26	0s45	7n 6	1n49	32s17	9s46	12n11	11n43	12s18		n.a.
S 2	23 46	19 6	3 8	23 58	0 37	16 29	1 42	24 38	0 56	5 58	1 33	0 22	2 34	18 27	0 45	7 5	1 49	32 18	9 46	12 13	11 45	12 19		n.a.
S 3	23 45	17 24	2 4	24 16	0 47	16 11	1 53	24 40	0 56	5 57	1 33	0 21	2 34	18 27	0 45	7 5	1 49	32 18	9 47	12 15	11 46	12 21		n.a.
M 4	23 44	14 45	0 54	24 33	0 56	15 54	2 4	24 41	0 57	5 56	1 33	0 20	2 35	18 28	0 45	7 4	1 49	32 18	9 47	12 15	11 47	12 23		n.a.
T 5	23 42	11 24	0n17	24 46	1 5	15 37	2 15	24 42	0 57	5 56	1 34	0 20	2 35	18 28	0 45	7 4	1 49	32 19	9 47	12 16	11 48	12 24		n.a.
W 6	23 40	7 36	1 25	24 57	1 12	15 20	2 27	24 43	0 57	5 55	1 34	0 19	2 35	18 29	0 45	7 4	1 49	32 19	9 47	12 15	11 49	12 26		n.a.
T 7	23 38	3 35	2 27	25 6	1 19	15 4	2 39	24 44	0 58	5 55	1 34	0 18	2 36	18 30	0 45	7 3	1 49	32 19	9 47	12 15	11 50	12 28		n.a.
F 8	23 35	0s29	3 21	25 11	1 25	14 47	2 51	24 45	0 58	5 54	1 35	0 18	2 36	18 30	0 45	7 3	1 49	32 19	9 47	12 15	11 51	12 30		n.a.
S 9	23 32	4 29	4 5	25 14	1 31	14 32	3 3	24 45	0 58	5 54	1 35	0 17	2 36	18 31	0 46	7 2	1 49	32 20	9 47	12 15	11 52	12 31		n.a.
S 10	23 28	8 15	4 38	25 14	1 35	14 16	3 15	24 45	0 59	5 54	1 35	0 17	2 36	18 31	0 46	7 2	1 49	32 20	9 47	12 16	11 54	12 33		n.a.
M11	23 24	11 41	4 59	25 12	1 39	14 1	3 28	24 45	0 59	5 53	1 36	0 16	2 37	18 32	0 46	7 1	1 49	32 20	9 47	12 18	11 55	12 35		n.a.
T 12	23 19	14 40	5 7	25 6	1 42	13 46	3 41	24 45	1 0	5 53	1 36	0 16	2 37	18 32	0 46	7 1	1 49	32 21	9 48	12 20	11 56	12 36		n.a.
W13	23 14	17 3	5 2	24 59	1 45	13 32	3 54	24 45	1 0	5 53	1 36	0 16	2 37	18 33	0 46	7 0	1 49	32 21	9 48	12 23	11 57	12 38		n.a.
T 14	23 9	18 43	4 44	24 48	1 46	13 18	4 7	24 44	1 0	5 53	1 37	0 15	2 38	18 33	0 46	7 0	1 49	32 21	9 48	12 26	11 58	12 40		n.a.
F 15	23 3	19 33	4 12	24 36	1 47	13 5	4 20	24 43	1 0	5 53	1 37	0 15	2 38	18 34	0 46	6 59	1 49	32 21	9 48	12 29	11 59	12 41		n.a.
S 16	22 57	19 27	3 27	24 21	1 48	12 52	4 33	24 42	1 1	5 54	1 37	0 15	2 38	18 35	0 46	6 59	1 49	32 22	9 48	12 31	12 0	12 43		n.a.
S 17	22 50	18 22	2 32	24 4	1 48	12 40	4 47	24 41	1 1	5 54	1 38	0 15	2 38	18 35	0 46	6 58	1 49	32 22	9 48	12 33	12 1	12 45		n.a.
M18	22 43	16 21	1 28	23 45	1 47	12 28	5 0	24 40	1 1	5 54	1 38	0 15	2 39	18 36	0 46	6 58	1 49	32 22	9 48	12 34	12 3	12 46		n.a.
T 19	22 36	13 27	0 19	23 24	1 45	12 17	5 14	24 38	1 2	5 55	1 38	0 15	2 39	18 36	0 46	6 57	1 49	32 22	9 48	12 34	12 4	12 48		n.a.
W20	22 28	9 50	0s53	23 2	1 43	12 7	5 27	24 37	1 2	5 55	1 38	0 15	2 39	18 37	0 46	6 56	1 49	32 23	9 48	12 34	12 5	12 50		n.a.
T 21	22 20	5 40	2 3	22 37	1 41	11 57	5 40	24 35	1 2	5 56	1 39	0 15	2 40	18 38	0 46	6 56	1 49	32 23	9 48	12 34	12 6	12 51		n.a.
F 22	22 11	1 9	3 7	22 12	1 38	11 49	5 53	24 33	1 3	5 57	1 39	0 15	2 40	18 38	0 46	6 55	1 48	32 23	9 48	12 33	12 7	12 53		n.a.
S 23	22 2	3n29	4 2	21 45	1 35	11 41	6 6	24 30	1 3	5 57	1 39	0 15	2 40	18 39	0 46	6 55	1 48	32 23	9 48	12 33	12 8	12 55		n.a.
S 24	21 52	8 0	4 42	21 16	1 31	11 34	6 19	24 28	1 3	5 58	1 40	0 15	2 41	18 40	0 46	6 54	1 48	32 24	9 48	12 33	12 9	12 56		n.a.
M25	21 43	12 8	5 6	20 46	1 27	11 27	6 32	24 25	1 4	5 59	1 40	0 15	2 41	18 40	0 46	6 53	1 48	32 24	9 48	12 34	12 10	12 58		n.a.
T 26	21 32	15 35	5 11	20 16	1 22	11 22	6 44	24 22	1 4	6 0	1 40	0 15	2 41	18 41	0 46	6 53	1 48	32 24	9 48	12 35	12 12	13 0		n.a.
W27	21 22	18 5	4 56	19 44	1 17	11 17	6 55	24 19	1 4	6 1	1 41	0 16	2 41	18 41	0 46	6 52	1 48	32 24	9 48	12 36	12 13	13 1		n.a.
T 28	21 11	19 25	4 22	19 11	1 12	11 13	7 7	24 16	1 5	6 2	1 41	0 16	2 42	18 42	0 46	6 51	1 48	32 24	9 48	12 38	12 14	13 3		n.a.
F 29	21 0	19 28	3 31	18 37	1 7	11 10	7 17	24 13	1 5	6 3	1 41	0 16	2 42	18 43	0 46	6 51	1 48	32 25	9 48	12 39	12 15	13 5		n.a.
S 30	20 48	18 17	2 28	18 3	1 1	11 8	7 27	24 9	1 5	6 5	1 41	0 17	2 42	18 43	0 46	6 50	1 48	32 25	9 48	12 41	12 16	13 6		n.a.
S 31	20n36	16n 0	1s18	17n28	0n55	11n 7	7s37	24n 6	1n 5	6s 6	1s42	0s17	2s43	18s44	0s46	6n49	1n48	32s25	9s48	12n41	12n17	13s 8		n.a.

Julian Day Number = 1472138.5, Delta T = 05h30m02s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'58, Lahiri = -13°22'58 Julian Calendar 1 July 683 BCE == Greg. Calendar 24 June 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

AUGUST 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 8 6	0♌12'14	26♌11	16♌31	7°R36	14♋48	18°R37	5°R27	9°R56	17♍ 7	16°R50	26°D58	28♌ 6	20♏19	n.a.	M 1
T 2	20 12 2	1°10'29	9♍21	18° 8	7♌ 2	15°26	18♓34	5♈26	9♒53	17° 8	16♎49	26♌59	28° 2	20°26	n.a.	T 2
W 3	20 15 59	2° 8'46	22°10	19°44	6°26	16° 5	18°31	5°25	9°51	17°10	16°48	27° 0	27°59	20°32	n.a.	W 3
T 4	20 19 55	3° 7'04	4♎39	21°18	5°50	16°43	18°27	5°24	9°49	17°12	16°46	27° 2	27°56	20°39	n.a.	T 4
F 5	20 23 52	4° 5'24	16°52	22°52	5°13	17°21	18°24	5°23	9°46	17°14	16°45	27° 3	27°53	20°46	n.a.	F 5
S 6	20 27 48	5° 3'46	28°54	24°24	4°37	17°59	18°20	5°22	9°44	17°15	16°44	27° 4	27°50	20°52	n.a.	S 6
S 7	20 31 45	6° 2'10	10♏50	25°55	4° 0	18°37	18°16	5°21	9°41	17°17	16°43	27°R 4	27°46	20°59	n.a.	S 7
M 8	20 35 41	7° 0'35	22°43	27°25	3°23	19°15	18°12	5°20	9°39	17°19	16°41	27° 3	27°43	21° 6	n.a.	M 8
T 9	20 39 38	7°59'02	4♐38	28°53	2°47	19°53	18° 7	5°18	9°37	17°21	16°40	27° 2	27°40	21°13	n.a.	T 9
W10	20 43 35	8°57'31	16°40	0♑21	2°12	20°31	18° 3	5°17	9°34	17°23	16°39	26°59	27°37	21°19	n.a.	W10
T 11	20 47 31	9°56'02	28°52	1°47	1°37	21° 9	17°58	5°15	9°32	17°24	16°38	26°57	27°34	21°26	n.a.	T 11
F 12	20 51 28	10°54'35	11♑17	3°12	1° 4	21°47	17°53	5°13	9°29	17°26	16°37	26°54	27°31	21°33	n.a.	F 12
S 13	20 55 24	11°53'09	23°57	4°35	0°32	22°25	17°48	5°12	9°27	17°28	16°35	26°52	27°27	21°40	n.a.	S 13
S 14	20 59 21	12°51'46	6♒52	5°58	0° 2	23° 3	17°43	5°10	9°25	17°30	16°34	26°51	27°24	21°46	n.a.	S 14
M15	21 3 17	13°50'24	20° 3	7°19	29♋33	23°41	17°37	5° 8	9°22	17°32	16°33	26°50	27°21	21°53	n.a.	M15
T 16	21 7 14	14°49'05	3♓29	8°39	29° 6	24°19	17°32	5° 5	9°20	17°34	16°32	26°D50	27°18	22° 0	n.a.	T 16
W17	21 11 10	15°47'47	17° 8	9°57	28°42	24°58	17°26	5° 3	9°17	17°36	16°31	26°50	27°15	22° 6	n.a.	W17
T 18	21 15 7	16°46'32	0♈58	11°14	28°19	25°36	17°20	5° 1	9°15	17°38	16°30	26°51	27°12	22°13	n.a.	T 18
F 19	21 19 4	17°45'20	14°58	12°29	27°59	26°14	17°14	4°59	9°13	17°40	16°29	26°52	27° 8	22°20	n.a.	F 19
S 20	21 23 0	18°44'09	29° 4	13°43	27°41	26°52	17° 8	4°56	9°10	17°42	16°28	26°53	27° 5	22°27	n.a.	S 20
S 21	21 26 57	19°43'02	13♉15	14°55	27°25	27°30	17° 1	4°53	9° 8	17°44	16°26	26°53	27° 2	22°33	n.a.	S 21
M22	21 30 53	20°41'56	27°28	16° 6	27°11	28° 8	16°55	4°51	9° 6	17°46	16°25	26°R53	26°59	22°40	n.a.	M22
T 23	21 34 50	21°40'53	11♊41	17°14	27° 1	28°46	16°48	4°48	9° 3	17°48	16°24	26°53	26°56	22°47	n.a.	T 23
W24	21 38 46	22°39'53	25°51	18°21	26°52	29°24	16°42	4°45	9° 1	17°50	16°23	26°52	26°52	22°53	n.a.	W24
T 25	21 42 43	23°38'55	9♋56	19°25	26°46	0♌ 2	16°35	4°42	8°59	17°52	16°22	26°52	26°49	23° 0	n.a.	T 25
F 26	21 46 39	24°38'00	23°53	20°27	26°42	0°40	16°28	4°39	8°56	17°54	16°21	26°52	26°46	23° 7	n.a.	F 26
S 27	21 50 36	25°37'06	7♌38	21°27	26°D41	1°18	16°21	4°36	8°54	17°56	16°20	26°52	26°43	23°14	n.a.	S 27
S 28	21 54 33	26°36'15	21° 9	22°24	26°42	1°56	16°14	4°33	8°52	17°58	16°19	26°52	26°40	23°20	n.a.	S 28
M29	21 58 29	27°35'26	4♍24	23°17	26°46	2°34	16° 6	4°29	8°50	18° 1	16°19	26°52	26°37	23°27	n.a.	M29
T 30	22 2 26	28°34'40	17°23	24° 8	26°51	3°12	15°59	4°26	8°47	18° 3	16°18	26°51	26°33	23°34	n.a.	T 30
W31	22 6 22	29♌33'55	0♎ 5	24♍56	26♋59	3♌50	15♓52	4♈22	8♒45	18♍ 5	16♎17	26♌51	26♌30	23♏41	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n23	12n54	0s 4	16n53	0n48	11n 7	7s46	24n 2	1n 6	6s 7	1s42	0s18	2s43	18s45	0s46	6n49	1n48	32s25	9s48	12n42	12n18	13s10		n.a.
T 2	20 11	9 13	1n 8	16 16	0 42	11 8	7 54	23 58	1 6	6 9	1 42	0 18	2 43	18 45	0 46	6 48	1 48	32 25	9 48	12 41	12 19	13 11		n.a.
W 3	19 58	5 12	2 14	15 40	0 35	11 9	8 1	23 53	1 6	6 10	1 43	0 19	2 43	18 46	0 46	6 47	1 48	32 25	9 48	12 41	12 20	13 13		n.a.
T 4	19 44	1 4	3 13	15 3	0 28	11 12	8 8	23 49	1 7	6 12	1 43	0 19	2 44	18 47	0 46	6 47	1 48	32 26	9 48	12 40	12 22	13 15		n.a.
F 5	19 30	3s 1	4 1	14 25	0 21	11 15	8 14	23 44	1 7	6 14	1 43	0 20	2 44	18 47	0 46	6 46	1 48	32 26	9 48	12 40	12 23	13 16		n.a.
S 6	19 16	6 55	4 38	13 48	0 14	11 18	8 18	23 39	1 7	6 16	1 43	0 21	2 44	18 48	0 46	6 45	1 48	32 26	9 48	12 40	12 24	13 18		n.a.
S 7	19 2	10 30	5 3	13 10	0 6	11 23	8 22	23 34	1 7	6 17	1 44	0 21	2 44	18 49	0 46	6 45	1 48	32 26	9 48	12 40	12 25	13 20		n.a.
M 8	18 47	13 39	5 14	12 31	0s 1	11 28	8 25	23 29	1 8	6 19	1 44	0 22	2 45	18 49	0 46	6 44	1 48	32 26	9 48	12 40	12 26	13 21		n.a.
T 9	18 32	16 15	5 12	11 53	0 9	11 34	8 28	23 24	1 8	6 21	1 44	0 23	2 45	18 50	0 46	6 43	1 48	32 26	9 48	12 41	12 27	13 23		n.a.
W10	18 16	18 10	4 57	11 15	0 17	11 41	8 29	23 18	1 8	6 23	1 44	0 24	2 45	18 51	0 46	6 42	1 48	32 26	9 48	12 41	12 28	13 25		n.a.
T 11	18 0	19 18	4 28	10 37	0 25	11 48	8 29	23 13	1 9	6 26	1 45	0 25	2 46	18 51	0 46	6 42	1 48	32 27	9 48	12 42	12 29	13 26		n.a.
F 12	17 44	19 32	3 46	9 58	0 33	11 56	8 29	23 7	1 9	6 28	1 45	0 26	2 46	18 52	0 46	6 41	1 48	32 27	9 48	12 43	12 30	13 28		n.a.
S 13	17 28	18 48	2 52	9 20	0 41	12 4	8 27	23 1	1 9	6 30	1 45	0 27	2 46	18 53	0 46	6 40	1 48	32 27	9 48	12 44	12 32	13 29		n.a.
S 14	17 11	17 4	1 48	8 42	0 49	12 12	8 25	22 55	1 9	6 32	1 45	0 28	2 46	18 53	0 46	6 39	1 48	32 27	9 48	12 44	12 33	13 31		n.a.
M15	16 54	14 25	0 37	8 4	0 57	12 21	8 22	22 48	1 10	6 35	1 46	0 29	2 47	18 54	0 46	6 38	1 48	32 27	9 48	12 45	12 34	13 33		n.a.
T 16	16 37	10 56	0s37	7 26	1 5	12 30	8 18	22 42	1 10	6 37	1 46	0 30	2 47	18 54	0 46	6 38	1 48	32 27	9 48	12 45	12 35	13 34		n.a.
W17	16 19	6 50	1 50	6 49	1 13	12 40	8 13	22 35	1 10	6 39	1 46	0 31	2 47	18 55	0 46	6 37	1 48	32 27	9 48	12 44	12 36	13 36		n.a.
T 18	16 2	2 19	2 58	6 12	1 21	12 49	8 8	22 28	1 10	6 42	1 46	0 32	2 47	18 56	0 46	6 36	1 48	32 27	9 48	12 44	12 37	13 38		n.a.
F 19	15 44	2n21	3 56	5 35	1 30	12 59	8 2	22 21	1 11	6 45	1 46	0 33	2 48	18 56	0 46	6 35	1 47	32 27	9 48	12 44	12 38	13 39		n.a.
S 20	15 25	6 56	4 40	4 59	1 38	13 9	7 56	22 14	1 11	6 47	1 47	0 34	2 48	18 57	0 46	6 34	1 47	32 27	9 48	12 44	12 39	13 41		n.a.
S 21	15 7	11 8	5 8	4 24	1 46	13 19	7 49	22 7	1 11	6 50	1 47	0 36	2 48	18 58	0 46	6 34	1 47	32 27	9 47	12 43	12 40	13 42		n.a.
M22	14 48	14 44	5 17	3 49	1 54	13 29	7 41	21 59	1 11	6 53	1 47	0 37	2 48	18 58	0 46	6 33	1 47	32 27	9 47	12 43	12 41	13 44		n.a.
T 23	14 29	17 27	5 6	3 15	2 2	13 38	7 33	21 52	1 12	6 55	1 47	0 38	2 48	18 59	0 46	6 32	1 47	32 27	9 47	12 44	12 43	13 46		n.a.
W24	14 9	19 5	4 37	2 41	2 10	13 48	7 25	21 44	1 12	6 58	1 47	0 40	2 49	19 0	0 46	6 31	1 47	32 28	9 47	12 44	12 44	13 47		n.a.
T 25	13 50	19 33	3 52	2 9	2 17	13 58	7 16	21 36	1 12	7 1	1 48	0 41	2 49	19 0	0 46	6 30	1 47	32 28	9 47	12 44	12 45	13 49		n.a.
F 26	13 30	18 48	2 53	1 37	2 25	14 7	7 7	21 28	1 12	7 4	1 48	0 42	2 49	19 1	0 46	6 29	1 47	32 28	9 47	12 44	12 46	13 51		n.a.
S 27	13 10	16 56	1 45	1 7	2 32	14 17	6 58	21 20	1 13	7 7	1 48	0 44	2 49	19 1	0 46	6 29	1 47	32 28	9 47	12 44	12 47	13 52		n.a.
S 28	12 49	14 9	0 32	0 38	2 39	14 26	6 48	21 11	1 13	7 10	1 48	0 45	2 50	19 2	0 46	6 28	1 47	32 28	9 47	12 44	12 48	13 54		n.a.
M29	12 29	10 41	0n42	0 10	2 46	14 35	6 38	21 3	1 13	7 13	1 48	0 47	2 50	19 3	0 46	6 27	1 47	32 28	9 47	12 44	12 49	13 55		n.a.
T 30	12 8	6 45	1 51	0s17	2 53	14 44	6 28	20 54	1 13	7 16	1 48	0 49	2 50	19 3	0 46	6 26	1 47	32 28	9 47	12 44	12 50	13 57		n.a.
W31	11n47	2n37	2n54	0s41	2s59	14n52	6s18	20n45	1n14	7s19	1s48	0s50	2s50	19s 4	0s46	6n25	1n47	32s28	9s46	12n44	12n51	13s59		n.a.

Julian Day Number = 1472169.5, Delta T = 05h30m00s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'54, Lahiri = -13°22'53 Julian Calendar 1 Aug. 683 BCE == Greg. Calendar 25 July 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

SEPTEMBER 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 10 19	0♍33'12	12♎32	25♍39	27♋10	4♌28	15°R44	4°R19	8°R43	18♍ 7	16°R16	26°R51	26♌27	23♏47	n.a.	T 1
F 2	22 14 15	1°32'31	24°44	26°19	27°22	5° 6	15♓36	4♈15	8♒41	18° 9	16♑15	26♌50	26°24	23°54	n.a.	F 2
S 3	22 18 12	2°31'53	6♏46	26°54	27°36	5°44	15°29	4°11	8°39	18°11	16°14	26°50	26°21	24° 1	n.a.	S 3
S 4	22 22 8	3°31'16	18°42	27°24	27°53	6°22	15°21	4° 8	8°37	18°13	16°13	26°49	26°17	24° 7	n.a.	S 4
M 5	22 26 5	4°30'41	0♐34	27°49	28°11	7° 0	15°13	4° 4	8°34	18°16	16°12	26°D49	26°14	24°14	n.a.	M 5
T 6	22 30 1	5°30'08	12°29	28° 8	28°31	7°38	15° 5	4° 0	8°32	18°18	16°12	26°49	26°11	24°21	n.a.	T 6
W 7	22 33 58	6°29'37	24°30	28°21	28°53	8°16	14°57	3°56	8°30	18°20	16°11	26°49	26° 8	24°28	n.a.	W 7
T 8	22 37 55	7°29'08	6♑43	28°R28	29°17	8°54	14°49	3°52	8°28	18°22	16°10	26°50	26° 5	24°34	n.a.	T 8
F 9	22 41 51	8°28'41	19°11	28°27	29°43	9°32	14°41	3°48	8°26	18°24	16° 9	26°51	26° 2	24°41	n.a.	F 9
S 10	22 45 48	9°28'16	1♒57	28°18	0♌10	10°10	14°33	3°43	8°24	18°27	16° 9	26°52	25°58	24°48	n.a.	S 10
S 11	22 49 44	10°27'53	15° 4	28° 1	0°39	10°48	14°25	3°39	8°22	18°29	16° 8	26°53	25°55	24°55	n.a.	S 11
M12	22 53 41	11°27'31	28°33	27°36	1°10	11°26	14°17	3°35	8°21	18°31	16° 7	26°R53	25°52	25° 1	n.a.	M12
T 13	22 57 37	12°27'12	12♓21	27° 2	1°42	12° 4	14° 9	3°30	8°19	18°33	16° 7	26°53	25°49	25° 8	n.a.	T 13
W14	23 1 34	13°26'55	26°28	26°19	2°15	12°42	14° 1	3°26	8°17	18°36	16° 6	26°52	25°46	25°15	n.a.	W14
T 15	23 5 30	14°26'40	10♈47	25°29	2°50	13°19	13°53	3°22	8°15	18°38	16° 6	26°50	25°43	25°21	n.a.	T 15
F 16	23 9 27	15°26'27	25°15	24°30	3°26	13°57	13°45	3°17	8°13	18°40	16° 5	26°47	25°39	25°28	n.a.	F 16
S 17	23 13 23	16°26'17	9♉44	23°25	4° 4	14°35	13°37	3°13	8°11	18°42	16° 5	26°45	25°36	25°35	n.a.	S 17
S 18	23 17 20	17°26'09	24°11	22°15	4°43	15°13	13°28	3° 8	8°10	18°45	16° 4	26°43	25°33	25°42	n.a.	S 18
M19	23 21 17	18°26'03	8♊30	21° 1	5°23	15°51	13°20	3° 3	8° 8	18°47	16° 4	26°41	25°30	25°48	n.a.	M19
T 20	23 25 13	19°26'00	22°39	19°45	6° 4	16°29	13°12	2°59	8° 6	18°49	16° 3	26°D41	25°27	25°55	n.a.	T 20
W21	23 29 10	20°25'59	6♋36	18°30	6°46	17° 7	13° 4	2°54	8° 5	18°51	16° 3	26°42	25°23	26° 2	n.a.	W21
T 22	23 33 6	21°26'00	20°20	17°18	7°30	17°45	12°56	2°49	8° 3	18°54	16° 2	26°43	25°20	26° 9	n.a.	T 22
F 23	23 37 3	22°26'04	3♌51	16°10	8°14	18°23	12°48	2°44	8° 2	18°56	16° 2	26°45	25°17	26°15	n.a.	F 23
S 24	23 40 59	23°26'10	17°10	15°10	9° 0	19° 1	12°41	2°40	8° 0	18°58	16° 2	26°46	25°14	26°22	n.a.	S 24
S 25	23 44 56	24°26'18	0♍16	14°19	9°46	19°39	12°33	2°35	7°59	19° 0	16° 1	26°R46	25°11	26°29	n.a.	S 25
M26	23 48 52	25°26'28	13°10	13°38	10°33	20°17	12°25	2°30	7°57	19° 2	16° 1	26°45	25° 8	26°35	n.a.	M26
T 27	23 52 49	26°26'40	25°51	13° 8	11°22	20°55	12°17	2°25	7°56	19° 5	16° 1	26°42	25° 4	26°42	n.a.	T 27
W28	23 56 46	27°26'54	8♎21	12°49	12°11	21°33	12°10	2°20	7°55	19° 7	16° 0	26°38	25° 1	26°49	n.a.	W28
T 29	0 0 42	28°27'10	20°40	12°D42	13° 1	22°11	12° 2	2°15	7°54	19° 9	16° 0	26°33	24°58	26°56	n.a.	T 29
F 30	0 4 39	29♍27'28	2♏48	12♍47	13♌51	22♌49	11♓55	2♈10	7♒52	19♍11	16♑ 0	26♌27	24♌55	27♏ 2	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n26	1s32	3n47	1s 4	3s 5	15n 0	6s 8	20n36	1n14	7s22	1s48	0s52	2s50	19s 4	0s46	6n24	1n47	32s28	9s46	12n44	12n52	14s 0		n.a.
F 2	11 5	5 33	4 29	1 25	3 10	15 8	5 58	20 27	1 14	7 25	1 49	0 53	2 50	19 5	0 46	6 23	1 47	32 28	9 46	12 44	12 54	14 2		n.a.
S 3	10 43	9 17	4 58	1 43	3 15	15 15	5 47	20 18	1 14	7 28	1 49	0 55	2 51	19 5	0 46	6 22	1 47	32 28	9 46	12 45	12 55	14 3		n.a.
S 4	10 21	12 36	5 14	1 59	3 19	15 22	5 37	20 9	1 14	7 31	1 49	0 57	2 51	19 6	0 46	6 22	1 47	32 28	9 46	12 45	12 56	14 5		n.a.
M 5	9 59	15 24	5 16	2 12	3 22	15 29	5 27	19 59	1 15	7 34	1 49	0 58	2 51	19 6	0 46	6 21	1 47	32 28	9 46	12 45	12 57	14 7		n.a.
T 6	9 37	17 34	5 5	2 23	3 25	15 35	5 16	19 49	1 15	7 37	1 49	1 0	2 51	19 7	0 46	6 20	1 47	32 27	9 46	12 45	12 58	14 8		n.a.
W 7	9 15	18 59	4 41	2 30	3 27	15 41	5 6	19 40	1 15	7 41	1 49	1 2	2 51	19 8	0 46	6 19	1 47	32 27	9 45	12 45	12 59	14 10		n.a.
T 8	8 53	19 33	4 3	2 33	3 28	15 46	4 55	19 30	1 15	7 44	1 49	1 4	2 51	19 8	0 46	6 18	1 47	32 27	9 45	12 44	13 0	14 11		n.a.
F 9	8 30	19 11	3 14	2 32	3 27	15 51	4 45	19 20	1 15	7 47	1 49	1 5	2 52	19 9	0 46	6 17	1 47	32 27	9 45	12 44	13 1	14 13		n.a.
S 10	8 8	17 50	2 14	2 27	3 26	15 56	4 34	19 9	1 16	7 50	1 49	1 7	2 52	19 9	0 46	6 16	1 47	32 27	9 45	12 44	13 2	14 15		n.a.
S 11	7 45	15 31	1 5	2 17	3 22	16 0	4 24	18 59	1 16	7 53	1 49	1 9	2 52	19 10	0 46	6 15	1 47	32 27	9 45	12 43	13 3	14 16		n.a.
M12	7 22	12 17	0s 9	2 3	3 18	16 3	4 14	18 49	1 16	7 57	1 49	1 11	2 52	19 10	0 46	6 15	1 47	32 27	9 45	12 43	13 4	14 18		n.a.
T 13	6 59	8 19	1 24	1 43	3 11	16 6	4 4	18 38	1 16	8 0	1 49	1 13	2 52	19 11	0 46	6 14	1 47	32 27	9 45	12 43	13 6	14 19		n.a.
W14	6 36	3 48	2 36	1 19	3 3	16 8	3 54	18 27	1 17	8 3	1 49	1 15	2 52	19 11	0 46	6 13	1 47	32 27	9 44	12 44	13 7	14 21		n.a.
T 15	6 12	0n59	3 39	0 49	2 53	16 10	3 44	18 17	1 17	8 6	1 49	1 17	2 52	19 11	0 46	6 12	1 47	32 27	9 44	12 45	13 8	14 23		n.a.
F 16	5 49	5 44	4 29	0 15	2 41	16 12	3 34	18 6	1 17	8 9	1 49	1 18	2 52	19 12	0 46	6 11	1 47	32 27	9 44	12 45	13 9	14 24		n.a.
S 17	5 25	10 11	5 1	0n24	2 27	16 12	3 24	17 55	1 17	8 12	1 49	1 20	2 53	19 12	0 46	6 10	1 47	32 27	9 44	12 46	13 10	14 26		n.a.
S 18	5 2	14 0	5 15	1 7	2 11	16 13	3 14	17 44	1 17	8 16	1 49	1 22	2 53	19 13	0 46	6 9	1 47	32 27	9 44	12 47	13 11	14 27		n.a.
M19	4 38	16 57	5 8	1 52	1 54	16 12	3 5	17 32	1 17	8 19	1 49	1 24	2 53	19 13	0 46	6 8	1 47	32 27	9 44	12 48	13 12	14 29		n.a.
T 20	4 14	18 51	4 43	2 39	1 35	16 11	2 55	17 21	1 18	8 22	1 49	1 26	2 53	19 14	0 46	6 7	1 47	32 26	9 43	12 48	13 13	14 30		n.a.
W21	3 51	19 35	4 2	3 27	1 15	16 10	2 46	17 9	1 18	8 25	1 49	1 28	2 53	19 14	0 45	6 7	1 47	32 26	9 43	12 47	13 14	14 32		n.a.
T 22	3 27	19 8	3 7	4 15	0 55	16 8	2 37	16 58	1 18	8 28	1 49	1 30	2 53	19 14	0 45	6 6	1 47	32 26	9 43	12 47	13 15	14 34		n.a.
F 23	3 3	17 35	2 3	5 0	0 34	16 5	2 28	16 46	1 18	8 31	1 49	1 32	2 53	19 15	0 45	6 5	1 47	32 26	9 43	12 46	13 16	14 35		n.a.
S 24	2 38	15 5	0 53	5 43	0 14	16 2	2 19	16 34	1 18	8 34	1 49	1 34	2 53	19 15	0 45	6 4	1 47	32 26	9 43	12 46	13 17	14 37		n.a.
S 25	2 14	11 50	0n19	6 21	0n 6	15 58	2 10	16 22	1 19	8 37	1 49	1 36	2 53	19 15	0 45	6 3	1 47	32 26	9 42	12 46	13 19	14 38		n.a.
M26	1 50	8 4	1 29	6 54	0 25	15 54	2 1	16 10	1 19	8 40	1 48	1 38	2 53	19 16	0 45	6 2	1 47	32 26	9 42	12 46	13 20	14 40		n.a.
T 27	1 26	4 0	2 32	7 22	0 42	15 49	1 53	15 58	1 19	8 43	1 48	1 40	2 53	19 16	0 45	6 1	1 47	32 25	9 42	12 47	13 21	14 41		n.a.
W28	1 2	0s11	3 28	7 44	0 58	15 43	1 44	15 46	1 19	8 45	1 48	1 42	2 53	19 16	0 45	6 0	1 47	32 25	9 42	12 49	13 22	14 43		n.a.
T 29	0 37	4 17	4 13	8 0	1 13	15 37	1 36	15 34	1 19	8 48	1 48	1 44	2 53	19 17	0 45	6 0	1 47	32 25	9 42	12 50	13 23	14 44		n.a.
F 30	0n13	8s 9	4n45	8n10	1n25	15n30	1s28	15n21	1n19	8s51	1s48	1s46	2s53	19s17	0s45	5n59	1n47	32s25	9s42	12n53	13n24	14s46		n.a.

Julian Day Number = 1472200.5, Delta T = 05h29m59s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'50, Lahiri = -13°22'49 Julian Calendar 1 Sept. 683 BCE == Greg. Calendar 25 Aug. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

OCTOBER 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 8 35	0♎27'47	14♏48	13♍ 2	14♌43	23♌27	11°R48	2°R 6	7°R51	19♍14	16°R 0	26°R21	24♌52	27♏ 9	n.a.	S 1
S 2	0 12 32	1°28'09	26°42	13°27	15°35	24° 5	11♓40	2♈ 1	7♒50	19°16	16♉ 0	26♌15	24°48	27°16	n.a.	S 2
M 3	0 16 28	2°28'32	8♐33	14° 1	16°28	24°43	11°33	1°56	7°49	19°18	15°59	26°11	24°45	27°22	n.a.	M 3
T 4	0 20 25	3°28'56	20°25	14°44	17°22	25°20	11°26	1°51	7°48	19°20	15°59	26° 8	24°42	27°29	n.a.	T 4
W 5	0 24 21	4°29'22	2♉23	15°35	18°16	25°58	11°19	1°46	7°47	19°22	15°59	26°D 7	24°39	27°36	n.a.	W 5
T 6	0 28 18	5°29'50	14°32	16°32	19°11	26°36	11°13	1°41	7°46	19°25	15°59	26° 7	24°36	27°43	n.a.	T 6
F 7	0 32 14	6°30'19	26°56	17°35	20° 6	27°14	11° 6	1°36	7°45	19°27	15°D59	26° 9	24°33	27°49	n.a.	F 7
S 8	0 36 11	7°30'49	9♒41	18°43	21° 3	27°52	11° 0	1°31	7°44	19°29	15°59	26°10	24°29	27°56	n.a.	S 8
S 9	0 40 8	8°31'21	22°49	19°56	21°59	28°30	10°53	1°26	7°43	19°31	15°59	26°R11	24°26	28° 3	n.a.	S 9
M10	0 44 4	9°31'54	6♓25	21°12	22°57	29° 8	10°47	1°22	7°42	19°33	15°59	26°11	24°23	28°10	n.a.	M10
T 11	0 48 1	10°32'29	20°26	22°32	23°55	29°46	10°41	1°17	7°42	19°35	15°59	26° 8	24°20	28°16	n.a.	T 11
W12	0 51 57	11°33'06	4♈52	23°54	24°53	0♍24	10°35	1°12	7°41	19°37	16° 0	26° 4	24°17	28°23	n.a.	W12
T 13	0 55 54	12°33'43	19°37	25°18	25°52	1° 1	10°29	1° 7	7°40	19°40	16° 0	25°58	24°14	28°30	n.a.	T 13
F 14	0 59 50	13°34'23	4♉33	26°45	26°51	1°39	10°24	1° 2	7°40	19°42	16° 0	25°50	24°10	28°36	n.a.	F 14
S 15	1 3 47	14°35'04	19°31	28°13	27°51	2°17	10°18	0°58	7°39	19°44	16° 0	25°42	24° 7	28°43	n.a.	S 15
S 16	1 7 43	15°35'47	4♊23	29°42	28°52	2°55	10°13	0°53	7°39	19°46	16° 0	25°35	24° 4	28°50	n.a.	S 16
M17	1 11 40	16°36'32	18°59	1♎12	29°52	3°33	10° 8	0°48	7°38	19°48	16° 1	25°30	24° 1	28°57	n.a.	M17
T 18	1 15 37	17°37'19	3♋17	2°43	0♍54	4°11	10° 3	0°44	7°38	19°50	16° 1	25°27	23°58	29° 3	n.a.	T 18
W19	1 19 33	18°38'07	17°14	4°15	1°55	4°49	9°58	0°39	7°38	19°52	16° 1	25°D26	23°54	29°10	n.a.	W19
T 20	1 23 30	19°38'57	0♌50	5°48	2°57	5°27	9°53	0°35	7°37	19°54	16° 1	25°27	23°51	29°17	n.a.	T 20
F 21	1 27 26	20°39'49	14° 7	7°21	4° 0	6° 4	9°49	0°30	7°37	19°56	16° 2	25°28	23°48	29°23	n.a.	F 21
S 22	1 31 23	21°40'42	27° 7	8°54	5° 3	6°42	9°45	0°26	7°37	19°58	16° 2	25°R28	23°45	29°30	n.a.	S 22
S 23	1 35 19	22°41'36	9♍53	10°28	6° 6	7°20	9°41	0°22	7°37	20° 0	16° 3	25°27	23°42	29°37	n.a.	S 23
M24	1 39 16	23°42'33	22°27	12° 1	7° 9	7°58	9°37	0°17	7°37	20° 2	16° 3	25°23	23°39	29°44	n.a.	M24
T 25	1 43 12	24°43'30	4♎51	13°35	8°13	8°36	9°33	0°13	7°D37	20° 4	16° 4	25°17	23°35	29°50	n.a.	T 25
W26	1 47 9	25°44'29	17° 6	15° 9	9°18	9°14	9°30	0° 9	7°37	20° 6	16° 4	25° 8	23°32	29°57	n.a.	W26
T 27	1 51 6	26°45'29	29°14	16°43	10°22	9°51	9°27	0° 5	7°37	20° 8	16° 5	24°57	23°29	0♐ 4	n.a.	T 27
F 28	1 55 2	27°46'30	11♏16	18°17	11°27	10°29	9°23	0° 1	7°37	20° 9	16° 5	24°44	23°26	0°11	n.a.	F 28
S 29	1 58 59	28°47'33	23°12	19°51	12°32	11° 7	9°21	29♓57	7°37	20°11	16° 6	24°31	23°23	0°17	n.a.	S 29
S 30	2 2 55	29°48'36	5♐ 4	21°25	13°38	11°45	9°18	29°53	7°37	20°13	16° 6	24°19	23°19	0°24	n.a.	S 30
M31	2 6 52	0♏49'40	16♐54	22♎59	14♍43	12♍22	9♓15	29♓49	7♒38	20♍15	16♉ 7	24♌ 9	23♌16	0♐31	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s11	11s39	5n 5	8n14	1n37	15n23	1s20	15n 9	1n20	8s54	1s48	1s48	2s53	19s17	0s45	5n58	1n47	32s25	9s41	12n55	13n25	14s48		n.a.
S 2	0 36	14 39	5 11	8 13	1 46	15 15	1 12	14 56	1 20	8 56	1 48	1 50	2 53	19 18	0 45	5 57	1 47	32 25	9 41	12 57	13 26	14 49		n.a.
M 3	1 0	17 2	5 4	8 7	1 54	15 6	1 4	14 43	1 20	8 59	1 47	1 52	2 53	19 18	0 45	5 56	1 47	32 25	9 41	12 58	13 27	14 51		n.a.
T 4	1 24	18 43	4 44	7 56	2 0	14 57	0 57	14 31	1 20	9 1	1 47	1 54	2 53	19 18	0 45	5 55	1 47	32 24	9 41	12 59	13 28	14 52		n.a.
W 5	1 48	19 34	4 11	7 41	2 5	14 47	0 49	14 18	1 20	9 4	1 47	1 56	2 53	19 18	0 45	5 54	1 47	32 24	9 41	12 59	13 29	14 54		n.a.
T 6	2 13	19 33	3 27	7 22	2 9	14 37	0 42	14 5	1 20	9 6	1 47	1 58	2 53	19 19	0 45	5 54	1 47	32 24	9 40	12 59	13 30	14 55		n.a.
F 7	2 37	18 35	2 32	6 59	2 11	14 26	0 35	13 52	1 21	9 9	1 47	2 0	2 53	19 19	0 45	5 53	1 47	32 24	9 40	12 59	13 31	14 57		n.a.
S 8	3 1	16 39	1 28	6 33	2 13	14 15	0 28	13 39	1 21	9 11	1 47	2 2	2 53	19 19	0 45	5 52	1 47	32 24	9 40	12 58	13 33	14 58		n.a.
S 9	3 26	13 49	0 18	6 5	2 13	14 3	0 21	13 25	1 21	9 13	1 46	2 4	2 53	19 19	0 45	5 51	1 48	32 23	9 40	12 58	13 34	15 0		n.a.
M10	3 50	10 8	0s55	5 34	2 13	13 50	0 14	13 12	1 21	9 16	1 46	2 5	2 53	19 19	0 45	5 50	1 48	32 23	9 40	12 58	13 35	15 1		n.a.
T 11	4 14	5 47	2 7	5 1	2 11	13 37	0 8	12 59	1 21	9 18	1 46	2 7	2 53	19 20	0 45	5 49	1 48	32 23	9 39	12 59	13 36	15 3		n.a.
W12	4 38	0 59	3 13	4 26	2 9	13 23	0 1	12 45	1 21	9 20	1 46	2 9	2 53	19 20	0 45	5 49	1 48	32 23	9 39	13 0	13 37	15 4		n.a.
T 13	5 2	3n58	4 8	3 50	2 7	13 9	0n 5	12 32	1 21	9 22	1 46	2 11	2 53	19 20	0 45	5 48	1 48	32 23	9 39	13 3	13 38	15 6		n.a.
F 14	5 26	8 44	4 46	3 12	2 4	12 55	0 11	12 18	1 22	9 24	1 45	2 13	2 53	19 20	0 45	5 47	1 48	32 22	9 39	13 5	13 39	15 8		n.a.
S 15	5 50	12 58	5 5	2 33	2 0	12 39	0 17	12 4	1 22	9 26	1 45	2 15	2 53	19 20	0 45	5 46	1 48	32 22	9 39	13 8	13 40	15 9		n.a.
S 16	6 13	16 21	5 3	1 53	1 56	12 24	0 23	11 51	1 22	9 27	1 45	2 16	2 53	19 20	0 45	5 45	1 48	32 22	9 38	13 10	13 41	15 11		n.a.
M17	6 37	18 38	4 42	1 13	1 51	12 7	0 29	11 37	1 22	9 29	1 45	2 18	2 52	19 20	0 45	5 45	1 48	32 22	9 38	13 12	13 42	15 12		n.a.
T 18	7 1	19 41	4 3	0 31	1 46	11 51	0 34	11 23	1 22	9 31	1 44	2 20	2 52	19 20	0 45	5 44	1 48	32 21	9 38	13 13	13 43	15 14		n.a.
W19	7 24	19 30	3 10	0s10	1 41	11 33	0 40	11 9	1 22	9 32	1 44	2 22	2 52	19 20	0 45	5 43	1 48	32 21	9 38	13 13	13 44	15 15		n.a.
T 20	7 47	18 10	2 8	0 52	1 36	11 16	0 45	10 55	1 22	9 34	1 44	2 23	2 52	19 20	0 45	5 42	1 48	32 21	9 38	13 13	13 45	15 17		n.a.
F 21	8 11	15 52	1 1	1 35	1 30	10 57	0 50	10 41	1 22	9 35	1 43	2 25	2 52	19 20	0 45	5 41	1 48	32 21	9 37	13 13	13 46	15 18		n.a.
S 22	8 34	12 47	0n 9	2 18	1 24	10 39	0 55	10 27	1 23	9 37	1 43	2 27	2 52	19 20	0 45	5 41	1 48	32 20	9 37	13 13	13 48	15 20		n.a.
S 23	8 57	9 9	1 16	3 0	1 18	10 20	1 0	10 13	1 23	9 38	1 43	2 28	2 52	19 20	0 45	5 40	1 48	32 20	9 37	13 13	13 49	15 21		n.a.
M24	9 20	5 10	2 19	3 43	1 12	10 0	1 5	9 59	1 23	9 39	1 43	2 30	2 52	19 20	0 44	5 39	1 48	32 20	9 37	13 14	13 50	15 23		n.a.
T 25	9 42	1 1	3 14	4 26	1 5	9 40	1 9	9 44	1 23	9 40	1 42	2 32	2 51	19 20	0 44	5 38	1 48	32 20	9 37	13 16	13 51	15 24		n.a.
W26	10 5	3s 8	3 59	5 9	0 59	9 20	1 14	9 30	1 23	9 41	1 42	2 33	2 51	19 20	0 44	5 38	1 48	32 19	9 36	13 19	13 52	15 26		n.a.
T 27	10 27	7 6	4 33	5 51	0 52	8 59	1 18	9 16	1 23	9 42	1 42	2 35	2 51	19 20	0 44	5 37	1 48	32 19	9 36	13 23	13 53	15 27		n.a.
F 28	10 50	10 46	4 54	6 34	0 46	8 38	1 22	9 1	1 23	9 43	1 41	2 36	2 51	19 20	0 44	5 36	1 48	32 19	9 36	13 28	13 54	15 29		n.a.
S 29	11 12	13 58	5 2	7 16	0 39	8 16	1 26	8 47	1 23	9 44	1 41	2 38	2 51	19 20	0 44	5 36	1 48	32 19	9 36	13 32	13 55	15 30		n.a.
S 30	11 34	16 34	4 57	7 58	0 32	7 54	1 30	8 32	1 23	9 45	1 41	2 39	2 51	19 20	0 44	5 35	1 48	32 18	9 36	13 36	13 56	15 32		n.a.
M31	11s55	18s29	4n39	8s40	0n26	7n32	1n33	8n18	1n23	9s46	1s41	2s40	2s50	19s20	0s44	5n34	1n48	32s18	9s36	13n39	13n57	15s33		n.a.

Julian Day Number = 1472230.5, Delta T = 05h29m57s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'46, Lahiri = -13°22'45 Julian Calendar 1 Oct. 683 BCE == Greg. Calendar 24 Sept. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

NOVEMBER 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 10 48	1♏50'45	28♐45	24♎33	15♍49	13♍ 0	9°R13	29°R45	7♒38	20♍17	16♑ 8	24°R 1	23♌13	0♐37	n.a.	T 1
W 2	2 14 45	2°51'51	10♑41	26° 8	16°56	13°38	9♓11	29♓41	7°38	20°19	16° 8	23♌56	23°10	0°44	n.a.	W 2
T 3	2 18 41	3°52'58	22°46	27°42	18° 2	14°16	9° 9	29°38	7°39	20°20	16° 9	23°54	23° 7	0°51	n.a.	T 3
F 4	2 22 38	4°54'05	5♒ 5	29°16	19° 9	14°53	9° 8	29°34	7°39	20°22	16°10	23°D53	23° 4	0°58	n.a.	F 4
S 5	2 26 35	5°55'13	17°43	0♏50	20°16	15°31	9° 6	29°31	7°40	20°24	16°10	23°R53	23° 0	1° 4	n.a.	S 5
S 6	2 30 31	6°56'21	0♓44	2°24	21°23	16° 9	9° 5	29°27	7°40	20°25	16°11	23°53	22°57	1°11	n.a.	S 6
M 7	2 34 28	7°57'30	14°14	3°58	22°31	16°47	9° 4	29°24	7°41	20°27	16°12	23°52	22°54	1°18	n.a.	M 7
T 8	2 38 24	8°58'39	28°14	5°32	23°38	17°24	9° 3	29°21	7°42	20°29	16°13	23°48	22°51	1°25	n.a.	T 8
W 9	2 42 21	9°59'48	12♈44	7° 6	24°46	18° 2	9° 2	29°18	7°43	20°30	16°14	23°41	22°48	1°31	n.a.	W 9
T 10	2 46 17	11° 0'59	27°39	8°41	25°54	18°40	9° 2	29°15	7°43	20°32	16°14	23°32	22°45	1°38	n.a.	T 10
F 11	2 50 14	12° 2'09	12♉51	10°15	27° 2	19°17	9°D 2	29°12	7°44	20°34	16°15	23°21	22°41	1°45	n.a.	F 11
S 12	2 54 10	13° 3'21	28°10	11°49	28°11	19°55	9° 2	29° 9	7°45	20°35	16°16	23° 9	22°38	1°51	n.a.	S 12
S 13	2 58 7	14° 4'33	13♊24	13°24	29°20	20°33	9° 2	29° 6	7°46	20°37	16°17	22°58	22°35	1°58	n.a.	S 13
M14	3 2 4	15° 5'46	28°22	14°59	0♎28	21°10	9° 3	29° 4	7°47	20°38	16°18	22°50	22°32	2° 5	n.a.	M14
T 15	3 6 0	16° 6'59	12♋58	16°34	1°38	21°48	9° 3	29° 1	7°48	20°40	16°19	22°44	22°29	2°12	n.a.	T 15
W16	3 9 57	17° 8'14	27° 6	18° 9	2°47	22°25	9° 4	28°59	7°49	20°41	16°20	22°41	22°25	2°18	n.a.	W16
T 17	3 13 53	18° 9'29	10♌47	19°44	3°56	23° 3	9° 5	28°56	7°50	20°42	16°21	22°40	22°22	2°25	n.a.	T 17
F 18	3 17 50	19°10'44	24° 3	21°19	5° 6	23°41	9° 6	28°54	7°52	20°44	16°22	22°40	22°19	2°32	n.a.	F 18
S 19	3 21 46	20°12'00	6♍57	22°55	6°15	24°18	9° 8	28°52	7°53	20°45	16°23	22°39	22°16	2°38	n.a.	S 19
S 20	3 25 43	21°13'17	19°33	24°31	7°25	24°56	9°10	28°50	7°54	20°47	16°25	22°37	22°13	2°45	n.a.	S 20
M21	3 29 39	22°14'34	1♎55	26° 7	8°35	25°33	9°11	28°48	7°55	20°48	16°26	22°33	22°10	2°52	n.a.	M21
T 22	3 33 36	23°15'51	14° 7	27°43	9°45	26°11	9°14	28°46	7°57	20°49	16°27	22°25	22° 6	2°59	n.a.	T 22
W23	3 37 33	24°17'09	26°11	29°20	10°56	26°48	9°16	28°45	7°58	20°50	16°28	22°14	22° 3	3° 5	n.a.	W23
T 24	3 41 29	25°18'27	8♏ 9	0♐57	12° 6	27°26	9°18	28°43	8° 0	20°52	16°29	22° 1	22° 0	3°12	n.a.	T 24
F 25	3 45 26	26°19'46	20° 5	2°34	13°17	28° 3	9°21	28°41	8° 1	20°53	16°30	21°46	21°57	3°19	n.a.	F 25
S 26	3 49 22	27°21'04	1♐57	4°11	14°27	28°41	9°24	28°40	8° 3	20°54	16°32	21°30	21°54	3°26	n.a.	S 26
S 27	3 53 19	28°22'22	13°49	5°49	15°38	29°18	9°27	28°39	8° 4	20°55	16°33	21°16	21°51	3°32	n.a.	S 27
M28	3 57 15	29°23'41	25°41	7°26	16°49	29°56	9°30	28°38	8° 6	20°56	16°34	21° 3	21°47	3°39	n.a.	M28
T 29	4 1 12	0♐24'59	7♑34	9° 4	18° 0	0♎33	9°34	28°37	8° 8	20°57	16°35	20°53	21°44	3°46	n.a.	T 29
W30	4 5 9	1♐26'17	19♑33	10♐42	19♎11	1♎10	9♓37	28♓36	8♒10	20♍58	16♑37	20♌46	21♌41	3♐52	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s17	19s37	4n 9	9s21	0n19	7n 9	1n37	8n 3	1n23	9s46	1s40	2s42	2s50	19s20	0s44	5n34	1n48	32s18	9s35	13n42	13n58	15s35		n.a.
W 2	12 38	19 53	3 28	10 2	0 12	6 46	1 40	7 48	1 24	9 47	1 40	2 43	2 50	19 20	0 44	5 33	1 48	32 18	9 35	13 44	13 59	15 36		n.a.
T 3	12 59	19 14	2 37	10 43	0 5	6 23	1 43	7 34	1 24	9 47	1 40	2 44	2 50	19 20	0 44	5 32	1 48	32 17	9 35	13 45	14 0	15 38		n.a.
F 4	13 20	17 41	1 38	11 23	0s 1	5 59	1 47	7 19	1 24	9 47	1 39	2 46	2 50	19 19	0 44	5 32	1 48	32 17	9 35	13 45	14 1	15 39		n.a.
S 5	13 41	15 13	0 33	12 3	0 8	5 35	1 50	7 4	1 24	9 48	1 39	2 47	2 49	19 19	0 44	5 31	1 49	32 17	9 35	13 45	14 2	15 41		n.a.
S 6	14 1	11 56	0s36	12 42	0 14	5 11	1 52	6 49	1 24	9 48	1 39	2 48	2 49	19 19	0 44	5 30	1 49	32 16	9 34	13 45	14 3	15 42		n.a.
M 7	14 21	7 54	1 46	13 21	0 21	4 46	1 55	6 35	1 24	9 48	1 38	2 49	2 49	19 19	0 44	5 30	1 49	32 16	9 34	13 45	14 4	15 43		n.a.
T 8	14 41	3 19	2 51	13 59	0 27	4 21	1 58	6 20	1 24	9 48	1 38	2 50	2 49	19 19	0 44	5 29	1 49	32 16	9 34	13 47	14 6	15 45		n.a.
W 9	15 1	1n36	3 48	14 36	0 33	3 56	2 0	6 5	1 24	9 48	1 38	2 51	2 48	19 18	0 44	5 28	1 49	32 16	9 34	13 49	14 7	15 46		n.a.
T 10	15 21	6 34	4 31	15 13	0 40	3 31	2 2	5 50	1 24	9 48	1 37	2 52	2 48	19 18	0 44	5 28	1 49	32 15	9 34	13 52	14 8	15 48		n.a.
F 11	15 40	11 13	4 56	15 49	0 46	3 6	2 5	5 35	1 24	9 47	1 37	2 53	2 48	19 18	0 44	5 27	1 49	32 15	9 34	13 56	14 9	15 49		n.a.
S 12	15 59	15 10	4 59	16 25	0 52	2 40	2 7	5 20	1 24	9 47	1 37	2 54	2 48	19 18	0 44	5 27	1 49	32 15	9 33	14 0	14 10	15 51		n.a.
S 13	16 17	18 4	4 42	17 0	0 58	2 14	2 8	5 5	1 24	9 47	1 36	2 55	2 47	19 17	0 44	5 26	1 49	32 14	9 33	14 3	14 11	15 52		n.a.
M14	16 35	19 41	4 5	17 34	1 3	1 48	2 10	4 50	1 24	9 46	1 36	2 56	2 47	19 17	0 44	5 26	1 49	32 14	9 33	14 6	14 12	15 54		n.a.
T 15	16 54	19 56	3 13	18 7	1 9	1 21	2 12	4 35	1 24	9 46	1 36	2 57	2 47	19 17	0 44	5 25	1 49	32 14	9 33	14 8	14 13	15 55		n.a.
W16	17 11	18 54	2 11	18 40	1 14	0 55	2 13	4 20	1 24	9 45	1 35	2 57	2 47	19 16	0 44	5 25	1 49	32 14	9 33	14 9	14 14	15 57		n.a.
T 17	17 29	16 46	1 2	19 11	1 19	0 28	2 15	4 5	1 24	9 44	1 35	2 58	2 46	19 16	0 44	5 24	1 49	32 13	9 33	14 9	14 15	15 58		n.a.
F 18	17 46	13 48	0n 7	19 42	1 24	0 1	2 16	3 50	1 24	9 44	1 35	2 59	2 46	19 16	0 44	5 24	1 49	32 13	9 32	14 9	14 16	16 0		n.a.
S 19	18 3	10 14	1 15	20 12	1 29	0s26	2 17	3 35	1 24	9 43	1 34	2 59	2 46	19 15	0 44	5 23	1 49	32 13	9 32	14 9	14 17	16 1		n.a.
S 20	18 19	6 17	2 17	20 41	1 34	0 53	2 18	3 20	1 24	9 42	1 34	3 0	2 46	19 15	0 44	5 23	1 49	32 12	9 32	14 10	14 18	16 2		n.a.
M21	18 35	2 9	3 11	21 8	1 38	1 20	2 19	3 5	1 24	9 41	1 34	3 0	2 45	19 15	0 44	5 22	1 49	32 12	9 32	14 12	14 19	16 4		n.a.
T 22	18 51	2s 1	3 56	21 35	1 42	1 47	2 20	2 50	1 24	9 40	1 33	3 1	2 45	19 14	0 43	5 22	1 49	32 12	9 32	14 14	14 20	16 5		n.a.
W23	19 6	6 4	4 29	22 1	1 46	2 14	2 20	2 34	1 24	9 39	1 33	3 1	2 45	19 14	0 43	5 21	1 49	32 12	9 32	14 18	14 21	16 7		n.a.
T 24	19 21	9 50	4 51	22 25	1 50	2 41	2 21	2 19	1 24	9 37	1 33	3 2	2 45	19 13	0 43	5 21	1 50	32 11	9 32	14 22	14 22	16 8		n.a.
F 25	19 36	13 13	4 59	22 49	1 53	3 9	2 21	2 4	1 24	9 36	1 33	3 2	2 44	19 13	0 43	5 20	1 50	32 11	9 31	14 27	14 23	16 10		n.a.
S 26	19 51	16 2	4 54	23 11	1 56	3 36	2 22	1 49	1 24	9 35	1 32	3 2	2 44	19 12	0 43	5 20	1 50	32 11	9 31	14 32	14 24	16 11		n.a.
S 27	20 5	18 12	4 37	23 31	1 59	4 4	2 22	1 34	1 24	9 33	1 32	3 3	2 44	19 12	0 43	5 20	1 50	32 10	9 31	14 37	14 25	16 13		n.a.
M28	20 18	19 35	4 7	23 51	2 1	4 31	2 22	1 19	1 24	9 31	1 32	3 3	2 43	19 12	0 43	5 19	1 50	32 10	9 31	14 41	14 26	16 14		n.a.
T 29	20 31	20 7	3 27	24 9	2 3	4 59	2 22	1 4	1 24	9 30	1 31	3 3	2 43	19 11	0 43	5 19	1 50	32 10	9 31	14 44	14 27	16 15		n.a.
W30	20s44	19s45	2n37	24s25	2s 5	5s26	2n22	0n49	1n24	9s28	1s31	3s 3	2s43	19s11	0s43	5n18	1n50	32s 9	9s31	14n46	14n28	16s17		n.a.

Julian Day Number = 1472261.5, Delta T = 05h29m55s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'41, Lahiri = -13°22'41 Julian Calendar 1 Nov. 683 BCE == Greg. Calendar 25 Oct. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 683 BCE
geocentric

DECEMBER 683 BCE (-682) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 9 5	2♐27'34	1♒39	12♐21	20♎22	1♎48	9♓41	28°R35	8♒11	20♍59	16♑38	20°R42	21♌38	3♐59	n.a.	T 1
F 2	4 13 2	3°28'51	13°56	13°59	21°33	2°25	9°45	28♓34	8°13	21° 0	16°39	20♌41	21°35	4° 6	n.a.	F 2
S 3	4 16 58	4°30'07	26°30	15°37	22°45	3° 2	9°50	28°34	8°15	21° 1	16°41	20°D41	21°31	4°13	n.a.	S 3
S 4	4 20 55	5°31'23	9♓25	17°15	23°56	3°40	9°54	28°33	8°17	21° 2	16°42	20°R41	21°28	4°19	n.a.	S 4
M 5	4 24 51	6°32'38	22°45	18°53	25° 8	4°17	9°59	28°33	8°19	21° 3	16°43	20°40	21°25	4°26	n.a.	M 5
T 6	4 28 48	7°33'53	6♈34	20°31	26°19	4°54	10° 4	28°32	8°21	21° 4	16°45	20°37	21°22	4°33	n.a.	T 6
W 7	4 32 44	8°35'06	20°52	22° 9	27°31	5°31	10° 9	28°32	8°23	21° 5	16°46	20°31	21°19	4°39	n.a.	W 7
T 8	4 36 41	9°36'20	5♉38	23°45	28°43	6° 9	10°14	28°D32	8°25	21° 5	16°48	20°23	21°16	4°46	n.a.	T 8
F 9	4 40 38	10°37'32	20°46	25°21	29°55	6°46	10°19	28°32	8°27	21° 6	16°49	20°13	21°12	4°53	n.a.	F 9
S 10	4 44 34	11°38'44	6♊ 6	26°57	1♏ 7	7°23	10°25	28°33	8°30	21° 7	16°51	20° 2	21° 9	5° 0	n.a.	S 10
S 11	4 48 31	12°39'55	21°28	28°30	2°19	8° 0	10°30	28°33	8°32	21° 7	16°52	19°52	21° 6	5° 6	n.a.	S 11
M12	4 52 27	13°41'06	6♋38	0♉ 2	3°31	8°37	10°36	28°33	8°34	21° 8	16°54	19°44	21° 3	5°13	n.a.	M12
T 13	4 56 24	14°42'16	21°28	1°33	4°43	9°14	10°42	28°34	8°36	21° 9	16°55	19°38	21° 0	5°20	n.a.	T 13
W14	5 0 20	15°43'26	5♌51	3° 1	5°55	9°51	10°48	28°35	8°39	21° 9	16°57	19°35	20°57	5°26	n.a.	W14
T 15	5 4 17	16°44'35	19°45	4°26	7° 7	10°29	10°55	28°35	8°41	21°10	16°58	19°D34	20°53	5°33	n.a.	T 15
F 16	5 8 14	17°45'44	3♍10	5°47	8°20	11° 6	11° 1	28°36	8°44	21°10	17° 0	19°35	20°50	5°40	n.a.	F 16
S 17	5 12 10	18°46'52	16° 9	7° 5	9°32	11°43	11° 8	28°37	8°46	21°11	17° 1	19°R36	20°47	5°47	n.a.	S 17
S 18	5 16 7	19°48'00	28°46	8°18	10°45	12°20	11°15	28°38	8°49	21°11	17° 3	19°35	20°44	5°53	n.a.	S 18
M19	5 20 3	20°49'07	11♎ 6	9°25	11°57	12°56	11°22	28°40	8°51	21°12	17° 5	19°33	20°41	6° 0	n.a.	M19
T 20	5 24 0	21°50'13	23°13	10°26	13°10	13°33	11°29	28°41	8°54	21°12	17° 6	19°28	20°37	6° 7	n.a.	T 20
W21	5 27 56	22°51'18	5♏11	11°21	14°22	14°10	11°37	28°42	8°56	21°12	17° 8	19°21	20°34	6°14	n.a.	W21
T 22	5 31 53	23°52'23	17° 5	12° 7	15°35	14°47	11°44	28°44	8°59	21°13	17° 9	19°11	20°31	6°20	n.a.	T 22
F 23	5 35 49	24°53'27	28°56	12°44	16°48	15°24	11°52	28°46	9° 2	21°13	17°11	19° 1	20°28	6°27	n.a.	F 23
S 24	5 39 46	25°54'31	10♐47	13°12	18° 0	16° 1	12° 0	28°47	9° 4	21°13	17°13	18°49	20°25	6°34	n.a.	S 24
S 25	5 43 43	26°55'33	22°41	13°30	19°13	16°37	12° 8	28°49	9° 7	21°13	17°14	18°39	20°22	6°40	n.a.	S 25
M26	5 47 39	27°56'34	4♑37	13°R37	20°26	17°14	12°16	28°51	9°10	21°13	17°16	18°30	20°18	6°47	n.a.	M26
T 27	5 51 36	28°57'33	16°38	13°33	21°39	17°51	12°24	28°53	9°12	21°14	17°18	18°23	20°15	6°54	n.a.	T 27
W28	5 55 32	29°58'32	28°45	13°17	22°52	18°27	12°32	28°56	9°15	21°14	17°19	18°18	20°12	7° 1	n.a.	W28
T 29	5 59 29	0♑59'29	11♒ 0	12°50	24° 5	19° 4	12°41	28°58	9°18	21°14	17°21	18°16	20° 9	7° 7	n.a.	T 29
F 30	6 3 25	2° 0'25	23°26	12°13	25°18	19°41	12°50	29° 0	9°21	21°R14	17°23	18°D16	20° 6	7°14	n.a.	F 30
S 31	6 7 22	3♑ 1'19	6♓ 5	11♑26	26♏31	20♎17	12♓59	29♓ 3	9♒24	21♍14	17♑24	18♌17	20♌ 3	7♐21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20s57	18s28	1n39	24s40	2s 6	5s53	2n21	0n34	1n24	9s26	1s31	3s 3	2s43	19s10	0s43	5n18	1n50	32s 9	9s31	14n48	14n30	16s18		n.a.
F 2	21 9	16 18	0 36	24 53	2 6	6 21	2 21	0 18	1 24	9 24	1 30	3 3	2 42	19 10	0 43	5 18	1 50	32 9	9 31	14 48	14 31	16 20		n.a.
S 3	21 20	13 20	0s31	25 5	2 7	6 48	2 20	0 3	1 24	9 23	1 30	3 3	2 42	19 9	0 43	5 17	1 50	32 9	9 30	14 48	14 32	16 21		n.a.
S 4	21 32	9 39	1 38	25 15	2 6	7 15	2 20	0s12	1 24	9 21	1 30	3 3	2 42	19 8	0 43	5 17	1 50	32 8	9 30	14 48	14 33	16 22		n.a.
M 5	21 42	5 23	2 41	25 23	2 6	7 42	2 19	0 27	1 24	9 19	1 29	3 3	2 41	19 8	0 43	5 17	1 50	32 8	9 30	14 48	14 34	16 24		n.a.
T 6	21 53	0 41	3 38	25 30	2 4	8 9	2 18	0 42	1 24	9 16	1 29	3 3	2 41	19 7	0 43	5 17	1 50	32 8	9 30	14 49	14 35	16 25		n.a.
W 7	22 3	4n12	4 23	25 34	2 2	8 36	2 18	0 57	1 24	9 14	1 29	3 2	2 41	19 7	0 43	5 16	1 50	32 7	9 30	14 51	14 36	16 27		n.a.
T 8	22 12	9 0	4 52	25 37	2 0	9 3	2 17	1 12	1 24	9 12	1 28	3 2	2 40	19 6	0 43	5 16	1 50	32 7	9 30	14 54	14 37	16 28		n.a.
F 9	22 21	13 21	5 2	25 38	1 57	9 29	2 15	1 27	1 24	9 10	1 28	3 2	2 40	19 6	0 43	5 16	1 51	32 7	9 30	14 57	14 38	16 29		n.a.
S 10	22 30	16 52	4 50	25 37	1 53	9 56	2 14	1 42	1 24	9 7	1 28	3 2	2 40	19 5	0 43	5 16	1 51	32 7	9 30	15 0	14 39	16 31		n.a.
S 11	22 38	19 12	4 18	25 34	1 48	10 22	2 13	1 57	1 23	9 5	1 27	3 1	2 40	19 4	0 43	5 15	1 51	32 6	9 30	15 4	14 40	16 32		n.a.
M12	22 46	20 9	3 27	25 29	1 42	10 48	2 12	2 11	1 23	9 2	1 27	3 1	2 39	19 4	0 43	5 15	1 51	32 6	9 30	15 6	14 41	16 34		n.a.
T 13	22 53	19 40	2 24	25 22	1 36	11 14	2 10	2 26	1 23	9 0	1 27	3 0	2 39	19 3	0 43	5 15	1 51	32 6	9 29	15 8	14 42	16 35		n.a.
W14	23 0	17 54	1 12	25 13	1 29	11 39	2 9	2 41	1 23	8 57	1 27	3 0	2 39	19 2	0 43	5 15	1 51	32 5	9 29	15 9	14 43	16 36		n.a.
T 15	23 6	15 7	0n 1	25 2	1 20	12 5	2 7	2 56	1 23	8 54	1 26	2 59	2 38	19 2	0 43	5 15	1 51	32 5	9 29	15 9	14 44	16 38		n.a.
F 16	23 12	11 36	1 12	24 50	1 11	12 30	2 6	3 11	1 23	8 51	1 26	2 58	2 38	19 1	0 43	5 15	1 51	32 5	9 29	15 9	14 45	16 39		n.a.
S 17	23 18	7 38	2 17	24 36	1 1	12 55	2 4	3 26	1 23	8 48	1 26	2 58	2 38	19 0	0 43	5 14	1 51	32 5	9 29	15 9	14 46	16 41		n.a.
S 18	23 23	3 27	3 13	24 20	0 50	13 19	2 2	3 40	1 23	8 46	1 25	2 57	2 37	19 0	0 43	5 14	1 51	32 4	9 29	15 9	14 47	16 42		n.a.
M19	23 27	0s47	3 59	24 4	0 38	13 44	2 0	3 55	1 22	8 43	1 25	2 56	2 37	18 59	0 43	5 14	1 51	32 4	9 29	15 10	14 48	16 43		n.a.
T 20	23 31	4 55	4 34	23 46	0 24	14 8	1 58	4 10	1 22	8 39	1 25	2 55	2 37	18 58	0 43	5 14	1 51	32 4	9 29	15 11	14 49	16 45		n.a.
W21	23 35	8 48	4 56	23 27	0 10	14 32	1 56	4 24	1 22	8 36	1 25	2 55	2 37	18 58	0 43	5 14	1 51	32 3	9 29	15 14	14 50	16 46		n.a.
T 22	23 38	12 18	5 5	23 8	0n 5	14 55	1 54	4 39	1 22	8 33	1 24	2 54	2 36	18 57	0 43	5 14	1 51	32 3	9 29	15 17	14 51	16 47		n.a.
F 23	23 40	15 19	5 0	22 48	0 21	15 18	1 52	4 53	1 22	8 30	1 24	2 53	2 36	18 56	0 43	5 14	1 51	32 3	9 29	15 20	14 52	16 49		n.a.
S 24	23 43	17 42	4 43	22 28	0 38	15 41	1 50	5 8	1 22	8 27	1 24	2 52	2 36	18 55	0 43	5 14	1 52	32 3	9 29	15 24	14 53	16 50		n.a.
S 25	23 44	19 21	4 13	22 9	0 56	16 3	1 48	5 22	1 21	8 23	1 23	2 51	2 35	18 55	0 43	5 14	1 52	32 2	9 29	15 27	14 54	16 52		n.a.
M26	23 46	20 9	3 33	21 50	1 14	16 25	1 45	5 37	1 21	8 20	1 23	2 50	2 35	18 54	0 43	5 14	1 52	32 2	9 29	15 30	14 55	16 53		n.a.
T 27	23 46	20 3	2 42	21 32	1 33	16 47	1 43	5 51	1 21	8 16	1 23	2 48	2 35	18 53	0 43	5 14	1 52	32 2	9 29	15 32	14 56	16 54		n.a.
W28	23 47	19 1	1 43	21 16	1 51	17 8	1 41	6 5	1 21	8 13	1 23	2 47	2 34	18 52	0 43	5 14	1 52	32 2	9 29	15 33	14 57	16 56		n.a.
T 29	23 46	17 5	0 39	21 0	2 9	17 28	1 38	6 20	1 21	8 9	1 22	2 46	2 34	18 52	0 42	5 14	1 52	32 1	9 29	15 34	14 58	16 57		n.a.
F 30	23 46	14 20	0s28	20 46	2 26	17 49	1 35	6 34	1 20	8 6	1 22	2 45	2 34	18 51	0 42	5 14	1 52	32 1	9 29	15 34	14 59	16 58		n.a.
S 31	23s44	10s52	1s35	20s34	2n43	18s 8	1n33	6s48	1n20	8s 2	1s22	2s43	2s34	18s50	0s42	5n14	1n52	32s 1	9s29	15n34	15n 0	17s 0		n.a.

Julian Day Number = 1472291.5, Delta T = 05h29m54s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'37, Lahiri = -13°22'37 Julian Calendar 1 Dec. 683 BCE == Greg. Calendar 24 Nov. 683 BCE

The year -682 astronomical counting style corresponds to year 683 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

JANUARY 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 11 18	4♑ 2'12	19♓ 2	10°R31	27♏44	20♎54	13♓ 8	29♓ 6	9♒27	21°R14	17♑26	18♌18	19♌59	7♐27	n.a.	S 1
M 2	6 15 15	5° 3'02	2♈18	9♑28	28°57	21°30	13°17	29° 8	9°30	21♍14	17°28	18°R19	19°56	7°34	n.a.	M 2
T 3	6 19 12	6° 3'52	15°58	8°20	0♐10	22° 6	13°26	29°11	9°33	21°14	17°30	18°19	19°53	7°41	n.a.	T 3
W 4	6 23 8	7° 4'39	0♉ 2	7°10	1°23	22°43	13°35	29°14	9°36	21°13	17°31	18°17	19°50	7°48	n.a.	W 4
T 5	6 27 5	8° 5'25	14°29	5°58	2°36	23°19	13°45	29°17	9°39	21°13	17°33	18°13	19°47	7°54	n.a.	T 5
F 6	6 31 1	9° 6'09	29°17	4°46	3°49	23°55	13°54	29°20	9°42	21°13	17°35	18° 7	19°43	8° 1	n.a.	F 6
S 7	6 34 58	10° 6'51	14♊20	3°38	5° 2	24°32	14° 4	29°24	9°45	21°13	17°36	18° 1	19°40	8° 8	n.a.	S 7
S 8	6 38 54	11° 7'32	29°27	2°34	6°15	25° 8	14°14	29°27	9°48	21°13	17°38	17°56	19°37	8°14	n.a.	S 8
M 9	6 42 51	12° 8'11	14♋30	1°35	7°29	25°44	14°24	29°31	9°51	21°12	17°40	17°51	19°34	8°21	n.a.	M 9
T 10	6 46 47	13° 8'49	29°19	0°43	8°42	26°20	14°34	29°34	9°54	21°12	17°42	17°48	19°31	8°28	n.a.	T 10
W11	6 50 44	14° 9'25	13♌47	29♐58	9°55	26°56	14°44	29°38	9°57	21°11	17°43	17°D47	19°28	8°35	n.a.	W11
T 12	6 54 41	15° 9'59	27°49	29°20	11° 8	27°32	14°54	29°42	10° 1	21°11	17°45	17°47	19°24	8°41	n.a.	T 12
F 13	6 58 37	16°10'32	11♍23	28°51	12°22	28° 8	15° 5	29°45	10° 4	21°11	17°47	17°48	19°21	8°48	n.a.	F 13
S 14	7 2 34	17°11'04	24°31	28°29	13°35	28°44	15°15	29°49	10° 7	21°10	17°49	17°50	19°18	8°55	n.a.	S 14
S 15	7 6 30	18°11'34	7♎15	28°15	14°48	29°20	15°26	29°53	10°10	21°10	17°50	17°51	19°15	9° 1	n.a.	S 15
M16	7 10 27	19°12'02	19°39	28°D 8	16° 2	29°55	15°37	29°58	10°13	21° 9	17°52	17°R52	19°12	9° 8	n.a.	M16
T 17	7 14 23	20°12'29	1♏48	28° 9	17°15	0♏31	15°48	0♈ 2	10°17	21° 9	17°54	17°51	19° 9	9°15	n.a.	T 17
W18	7 18 20	21°12'55	13°47	28°16	18°28	1° 7	15°59	0° 6	10°20	21° 8	17°56	17°49	19° 5	9°22	n.a.	W18
T 19	7 22 16	22°13'19	25°40	28°29	19°42	1°43	16°10	0°11	10°23	21° 7	17°57	17°46	19° 2	9°28	n.a.	T 19
F 20	7 26 13	23°13'42	7♐30	28°48	20°55	2°18	16°21	0°15	10°27	21° 7	17°59	17°42	18°59	9°35	n.a.	F 20
S 21	7 30 10	24°14'02	19°22	29°13	22° 8	2°54	16°32	0°20	10°30	21° 6	18° 1	17°38	18°56	9°42	n.a.	S 21
S 22	7 34 6	25°14'22	1♑18	29°43	23°22	3°29	16°43	0°24	10°33	21° 5	18° 3	17°34	18°53	9°48	n.a.	S 22
M23	7 38 3	26°14'39	13°21	0♑17	24°35	4° 4	16°55	0°29	10°37	21° 4	18° 4	17°31	18°49	9°55	n.a.	M23
T 24	7 41 59	27°14'54	25°32	0°56	25°49	4°40	17° 6	0°34	10°40	21° 4	18° 6	17°28	18°46	10° 2	n.a.	T 24
W25	7 45 56	28°15'08	7♒53	1°39	27° 2	5°15	17°18	0°39	10°43	21° 3	18° 8	17°27	18°43	10° 9	n.a.	W25
T 26	7 49 52	29°15'20	20°24	2°26	28°16	5°50	17°30	0°44	10°47	21° 2	18°10	17°D27	18°40	10°15	n.a.	T 26
F 27	7 53 49	0♒15'29	3♓ 8	3°16	29°29	6°25	17°42	0°49	10°50	21° 1	18°11	17°27	18°37	10°22	n.a.	F 27
S 28	7 57 45	1°15'36	16° 4	4° 9	0♑43	7° 0	17°53	0°54	10°54	21° 0	18°13	17°28	18°34	10°29	n.a.	S 28
S 29	8 1 42	2°15'41	29°14	5° 6	1°56	7°35	18° 5	0°59	10°57	20°59	18°15	17°30	18°30	10°35	n.a.	S 29
M30	8 5 39	3°15'44	12♈39	6° 5	3°10	8°10	18°17	1° 5	11° 0	20°58	18°16	17°31	18°27	10°42	n.a.	M30
T 31	8 9 35	4♒15'45	26♈20	7♑ 7	4♑23	8♏45	18♓30	1♈10	11♒ 4	20♍57	18♑18	17♌32	18♌24	10♐49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s43	6s50	2s39	20s24	2n58	18s28	1n30	7s 2	1n20	7s58	1s22	2s42	2s33	18s49	0s42	5n14	1n52	32s 1	9s29	15n33	15n 1	17s 1			n.a.
M 2	23 41	2 22	3 36	20 15	3 11	18 47	1 28	7 16	1 20	7 55	1 21	2 41	2 33	18 48	0 42	5 14	1 52	32 0	9 29	15 33	15 2	17 2			n.a.
T 3	23 38	2n20	4 22	20 8	3 23	19 5	1 25	7 30	1 19	7 51	1 21	2 39	2 33	18 48	0 42	5 14	1 52	32 0	9 29	15 33	15 3	17 4			n.a.
W 4	23 35	7 3	4 55	20 3	3 32	19 23	1 22	7 44	1 19	7 47	1 21	2 38	2 32	18 47	0 42	5 15	1 52	32 0	9 29	15 34	15 4	17 5			n.a.
T 5	23 31	11 29	5 9	20 0	3 39	19 40	1 19	7 58	1 19	7 43	1 21	2 36	2 32	18 46	0 42	5 15	1 52	32 0	9 29	15 35	15 5	17 6			n.a.
F 6	23 27	15 20	5 4	19 58	3 43	19 57	1 17	8 12	1 19	7 39	1 20	2 35	2 32	18 45	0 42	5 15	1 52	31 59	9 29	15 37	15 6	17 8			n.a.
S 7	23 23	18 14	4 38	19 58	3 45	20 14	1 14	8 25	1 18	7 35	1 20	2 33	2 32	18 44	0 42	5 15	1 52	31 59	9 29	15 39	15 7	17 9			n.a.
S 8	23 18	19 54	3 53	20 0	3 45	20 29	1 11	8 39	1 18	7 31	1 20	2 32	2 31	18 43	0 42	5 15	1 53	31 59	9 29	15 40	15 8	17 10			n.a.
M 9	23 13	20 8	2 51	20 3	3 43	20 45	1 8	8 53	1 18	7 27	1 20	2 30	2 31	18 42	0 42	5 15	1 53	31 59	9 29	15 42	15 9	17 12			n.a.
T 10	23 7	18 58	1 39	20 7	3 39	20 59	1 5	9 6	1 17	7 23	1 19	2 28	2 31	18 42	0 42	5 16	1 53	31 59	9 29	15 43	15 10	17 13			n.a.
W11	23 1	16 34	0 22	20 13	3 33	21 13	1 2	9 20	1 17	7 18	1 19	2 27	2 30	18 41	0 42	5 16	1 53	31 58	9 29	15 43	15 11	17 14			n.a.
T 12	22 54	13 15	0n55	20 21	3 26	21 27	0 59	9 33	1 17	7 14	1 19	2 25	2 30	18 40	0 42	5 16	1 53	31 58	9 29	15 43	15 12	17 16			n.a.
F 13	22 47	9 19	2 6	20 29	3 17	21 40	0 56	9 46	1 16	7 10	1 19	2 23	2 30	18 39	0 42	5 16	1 53	31 58	9 29	15 43	15 13	17 17			n.a.
S 14	22 39	5 4	3 8	20 38	3 8	21 52	0 53	10 0	1 16	7 5	1 18	2 21	2 30	18 38	0 42	5 16	1 53	31 58	9 29	15 42	15 14	17 18			n.a.
S 15	22 31	0 43	3 58	20 48	2 58	22 4	0 50	10 13	1 16	7 1	1 18	2 19	2 29	18 37	0 42	5 17	1 53	31 58	9 29	15 42	15 16	17 20			n.a.
M16	22 23	3s32	4 36	20 59	2 47	22 15	0 47	10 26	1 15	6 57	1 18	2 17	2 29	18 36	0 42	5 17	1 53	31 57	9 29	15 41	15 17	17 21			n.a.
T 17	22 14	7 33	5 1	21 10	2 36	22 25	0 44	10 39	1 15	6 52	1 18	2 15	2 29	18 35	0 42	5 17	1 53	31 57	9 29	15 42	15 18	17 22			n.a.
W18	22 5	11 13	5 13	21 22	2 24	22 35	0 41	10 52	1 14	6 48	1 18	2 13	2 29	18 34	0 42	5 18	1 53	31 57	9 29	15 42	15 19	17 24			n.a.
T 19	21 55	14 25	5 11	21 34	2 12	22 44	0 38	11 5	1 14	6 43	1 17	2 11	2 28	18 34	0 42	5 18	1 53	31 57	9 29	15 43	15 20	17 25			n.a.
F 20	21 45	17 1	4 55	21 46	2 0	22 52	0 35	11 18	1 13	6 39	1 17	2 9	2 28	18 33	0 42	5 18	1 53	31 57	9 29	15 44	15 21	17 26			n.a.
S 21	21 34	18 54	4 27	21 58	1 49	23 0	0 32	11 30	1 13	6 34	1 17	2 7	2 28	18 32	0 42	5 19	1 53	31 56	9 29	15 46	15 22	17 27			n.a.
S 22	21 23	19 59	3 47	22 10	1 37	23 7	0 29	11 43	1 13	6 29	1 17	2 5	2 28	18 31	0 42	5 19	1 53	31 56	9 30	15 47	15 23	17 29			n.a.
M23	21 12	20 10	2 57	22 22	1 25	23 14	0 26	11 55	1 12	6 25	1 17	2 3	2 27	18 30	0 42	5 19	1 53	31 56	9 30	15 48	15 24	17 30			n.a.
T 24	21 0	19 24	1 58	22 33	1 13	23 19	0 23	12 8	1 12	6 20	1 16	2 1	2 27	18 29	0 42	5 20	1 54	31 56	9 30	15 49	15 25	17 31			n.a.
W25	20 48	17 43	0 53	22 44	1 2	23 24	0 20	12 20	1 11	6 15	1 16	1 59	2 27	18 28	0 42	5 20	1 54	31 56	9 30	15 49	15 26	17 33			n.a.
T 26	20 36	15 9	0s16	22 55	0 50	23 29	0 17	12 33	1 11	6 10	1 16	1 56	2 27	18 27	0 42	5 20	1 54	31 56	9 30	15 49	15 27	17 34			n.a.
F 27	20 23	11 50	1 26	23 5	0 39	23 32	0 14	12 45	1 10	6 5	1 16	1 54	2 26	18 26	0 42	5 21	1 54	31 55	9 30	15 49	15 28	17 35			n.a.
S 28	20 10	7 54	2 32	23 14	0 29	23 35	0 11	12 57	1 10	6 1	1 16	1 52	2 26	18 25	0 42	5 21	1 54	31 55	9 30	15 49	15 29	17 36			n.a.
S 29	19 56	3 32	3 31	23 22	0 18	23 37	0 8	13 9	1 9	5 56	1 15	1 50	2 26	18 24	0 42	5 22	1 54	31 55	9 30	15 48	15 30	17 38			n.a.
M30	19 42	1n 5	4 20	23 30	0 8	23 39	0 5	13 21	1 8	5 51	1 15	1 47	2 26	18 23	0 42	5 22	1 54	31 55	9 30	15 48	15 31	17 39			n.a.
T 31	19s28	5n43	4s55	23s37	0s 2	23s40	0n 2	13s33	1n 8	5s46	1s15	1s45	2s25	18s22	0s42	5n22	1n54	31s55	9s30	15n48	15n32	17s40			n.a.

Julian Day Number = 1472322.5, Delta T = 05h29m52s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'33, Lahiri = -13°22'33 Julian Calendar 1 Jan. 682 BCE == Greg. Calendar 25 Dec. 683 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

FEBRUARY 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 13 32	5♒15'43	10♉18	8♑11	5♑36	9♏19	18♓42	1♈16	11♒ 7	20°R56	18♑20	17°R32	18♌21	10♐56	n.a.	W 1
T 2	8 17 28	6°15'39	24°31	9°18	6°50	9°54	18°54	1°21	11°11	20♍55	18°21	17♌31	18°18	11° 2	n.a.	T 2
F 3	8 21 25	7°15'32	8♊57	10°26	8° 3	10°29	19° 6	1°27	11°14	20°54	18°23	17°30	18°14	11° 9	n.a.	F 3
S 4	8 25 21	8°15'23	23°33	11°37	9°17	11° 3	19°19	1°32	11°17	20°53	18°25	17°29	18°11	11°16	n.a.	S 4
S 5	8 29 18	9°15'12	8♋14	12°50	10°30	11°37	19°31	1°38	11°21	20°52	18°26	17°28	18° 8	11°22	n.a.	S 5
M 6	8 33 14	10°14'59	22°53	14° 5	11°44	12°12	19°44	1°44	11°24	20°51	18°28	17°27	18° 5	11°29	n.a.	M 6
T 7	8 37 11	11°14'43	7♌23	15°21	12°57	12°46	19°57	1°50	11°28	20°50	18°30	17°27	18° 2	11°36	n.a.	T 7
W 8	8 41 8	12°14'26	21°39	16°39	14°11	13°20	20° 9	1°56	11°31	20°49	18°31	17°D27	17°59	11°43	n.a.	W 8
T 9	8 45 4	13°14'06	5♍35	17°59	15°24	13°54	20°22	2° 2	11°35	20°48	18°33	17°27	17°55	11°49	n.a.	T 9
F 10	8 49 1	14°13'44	19°10	19°20	16°38	14°28	20°35	2° 8	11°38	20°46	18°35	17°27	17°52	11°56	n.a.	F 10
S 11	8 52 57	15°13'20	2♎21	20°43	17°51	15° 2	20°48	2°14	11°41	20°45	18°36	17°28	17°49	12° 3	n.a.	S 11
S 12	8 56 54	16°12'54	15°10	22° 8	19° 5	15°36	21° 1	2°20	11°45	20°44	18°38	17°28	17°46	12° 9	n.a.	S 12
M13	9 0 50	17°12'26	27°39	23°34	20°18	16° 9	21°14	2°27	11°48	20°43	18°39	17°R28	17°43	12°16	n.a.	M13
T 14	9 4 47	18°11'57	9♏53	25° 1	21°32	16°43	21°27	2°33	11°52	20°41	18°41	17°28	17°40	12°23	n.a.	T 14
W15	9 8 43	19°11'25	21°54	26°30	22°45	17°16	21°40	2°39	11°55	20°40	18°43	17°D28	17°36	12°30	n.a.	W15
T 16	9 12 40	20°10'52	3♐48	28° 0	23°59	17°49	21°53	2°46	11°59	20°39	18°44	17°28	17°33	12°36	n.a.	T 16
F 17	9 16 36	21°10'17	15°39	29°32	25°12	18°23	22° 6	2°52	12° 2	20°37	18°46	17°28	17°30	12°43	n.a.	F 17
S 18	9 20 33	22° 9'40	27°33	1♒ 5	26°26	18°56	22°20	2°59	12° 5	20°36	18°47	17°29	17°27	12°50	n.a.	S 18
S 19	9 24 30	23° 9'00	9♑32	2°39	27°40	19°29	22°33	3° 5	12° 9	20°34	18°49	17°29	17°24	12°56	n.a.	S 19
M20	9 28 26	24° 8'19	21°40	4°15	28°53	20° 2	22°46	3°12	12°12	20°33	18°50	17°30	17°20	13° 3	n.a.	M20
T 21	9 32 23	25° 7'36	4♒ 1	5°52	0♒ 7	20°34	23° 0	3°19	12°15	20°32	18°52	17°30	17°17	13°10	n.a.	T 21
W22	9 36 19	26° 6'51	16°36	7°31	1°20	21° 7	23°13	3°26	12°19	20°30	18°53	17°R31	17°14	13°17	n.a.	W22
T 23	9 40 16	27° 6'04	29°26	9°11	2°34	21°39	23°27	3°32	12°22	20°29	18°54	17°30	17°11	13°23	n.a.	T 23
F 24	9 44 12	28° 5'14	12♓32	10°52	3°47	22°12	23°40	3°39	12°25	20°27	18°56	17°30	17° 8	13°30	n.a.	F 24
S 25	9 48 9	29° 4'22	25°52	12°34	5° 1	22°44	23°54	3°46	12°29	20°26	18°57	17°28	17° 5	13°37	n.a.	S 25
S 26	9 52 5	0♓ 3'28	9♈27	14°18	6°14	23°16	24° 7	3°53	12°32	20°24	18°59	17°27	17° 1	13°43	n.a.	S 26
M27	9 56 2	1° 2'32	23°13	16° 4	7°28	23°48	24°21	4° 0	12°35	20°23	19° 0	17°25	16°58	13°50	n.a.	M27
T 28	9 59 58	2♓ 1'33	7♉ 9	17♒50	8♒41	24♏20	24♓35	4♈ 7	12♒39	20♍21	19♑ 1	17♌24	16♌55	13♐57	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s13	10n 9	5s14	23s43	0s12	23s40	0s 1	13s44	1n 7	5s41	1s15	1s42	2s25	18s21	0s42	5n23	1n54	31s55	9s31	15n48	15n33	17s41		n.a.
T 2	18 58	14 5	5 14	23 48	0 21	23 39	0 4	13 56	1 7	5 36	1 15	1 40	2 25	18 20	0 42	5 23	1 54	31 55	9 31	15 48	15 33	17 43		n.a.
F 3	18 43	17 15	4 55	23 51	0 30	23 38	0 6	14 8	1 6	5 31	1 15	1 37	2 25	18 19	0 42	5 24	1 54	31 55	9 31	15 48	15 34	17 44		n.a.
S 4	18 27	19 21	4 16	23 54	0 39	23 36	0 9	14 19	1 5	5 25	1 14	1 35	2 24	18 18	0 42	5 24	1 54	31 54	9 31	15 49	15 35	17 45		n.a.
S 5	18 11	20 11	3 21	23 56	0 47	23 33	0 12	14 30	1 5	5 20	1 14	1 32	2 24	18 17	0 42	5 25	1 54	31 54	9 31	15 49	15 36	17 46		n.a.
M 6	17 55	19 38	2 12	23 56	0 55	23 30	0 15	14 42	1 4	5 15	1 14	1 30	2 24	18 17	0 42	5 25	1 54	31 54	9 31	15 49	15 37	17 48		n.a.
T 7	17 39	17 47	0 56	23 55	1 3	23 26	0 18	14 53	1 3	5 10	1 14	1 27	2 24	18 16	0 42	5 26	1 54	31 54	9 31	15 49	15 38	17 49		n.a.
W 8	17 22	14 51	0n23	23 52	1 10	23 21	0 20	15 4	1 3	5 5	1 14	1 25	2 24	18 15	0 42	5 26	1 54	31 54	9 32	15 49	15 39	17 50		n.a.
T 9	17 5	11 7	1 39	23 49	1 17	23 15	0 23	15 15	1 2	5 0	1 14	1 22	2 23	18 14	0 42	5 27	1 54	31 54	9 32	15 49	15 40	17 51		n.a.
F 10	16 47	6 54	2 47	23 44	1 23	23 9	0 26	15 26	1 1	4 54	1 13	1 20	2 23	18 13	0 42	5 27	1 54	31 54	9 32	15 49	15 41	17 53		n.a.
S 11	16 30	2 28	3 44	23 37	1 29	23 2	0 28	15 37	1 0	4 49	1 13	1 17	2 23	18 12	0 42	5 28	1 54	31 54	9 32	15 49	15 42	17 54		n.a.
S 12	16 12	1s56	4 28	23 30	1 35	22 54	0 31	15 47	1 0	4 44	1 13	1 14	2 23	18 11	0 42	5 28	1 55	31 54	9 32	15 49	15 43	17 55		n.a.
M13	15 54	6 9	4 59	23 20	1 40	22 46	0 33	15 58	0 59	4 38	1 13	1 12	2 23	18 10	0 42	5 29	1 55	31 54	9 32	15 49	15 44	17 56		n.a.
T 14	15 35	10 0	5 15	23 9	1 45	22 37	0 36	16 8	0 58	4 33	1 13	1 9	2 22	18 9	0 42	5 30	1 55	31 54	9 33	15 49	15 45	17 58		n.a.
W15	15 17	13 24	5 16	22 57	1 50	22 27	0 38	16 19	0 57	4 28	1 13	1 6	2 22	18 8	0 42	5 30	1 55	31 54	9 33	15 49	15 46	17 59		n.a.
T 16	14 58	16 13	5 5	22 43	1 54	22 17	0 41	16 29	0 56	4 22	1 13	1 3	2 22	18 7	0 42	5 31	1 55	31 53	9 33	15 49	15 47	18 0		n.a.
F 17	14 38	18 21	4 40	22 27	1 58	22 6	0 43	16 39	0 55	4 17	1 12	1 0	2 22	18 6	0 42	5 31	1 55	31 53	9 33	15 49	15 48	18 1		n.a.
S 18	14 19	19 42	4 3	22 10	2 1	21 54	0 45	16 49	0 55	4 11	1 12	0 58	2 22	18 5	0 42	5 32	1 55	31 53	9 33	15 49	15 49	18 3		n.a.
S 19	13 59	20 11	3 15	21 51	2 4	21 42	0 48	16 59	0 54	4 6	1 12	0 55	2 22	18 4	0 42	5 32	1 55	31 53	9 33	15 49	15 50	18 4		n.a.
M20	13 40	19 43	2 18	21 31	2 7	21 29	0 50	17 9	0 53	4 1	1 12	0 52	2 21	18 3	0 42	5 33	1 55	31 53	9 34	15 48	15 51	18 5		n.a.
T 21	13 20	18 19	1 14	21 9	2 9	21 15	0 52	17 19	0 52	3 55	1 12	0 49	2 21	18 2	0 42	5 34	1 55	31 53	9 34	15 48	15 52	18 6		n.a.
W22	12 59	16 0	0 5	20 45	2 10	21 1	0 54	17 28	0 51	3 49	1 12	0 46	2 21	18 1	0 42	5 34	1 55	31 53	9 34	15 48	15 53	18 7		n.a.
T 23	12 39	12 51	1s 6	20 19	2 12	20 46	0 56	17 38	0 50	3 44	1 12	0 43	2 21	18 0	0 42	5 35	1 55	31 53	9 34	15 48	15 54	18 9		n.a.
F 24	12 18	9 1	2 14	19 52	2 12	20 31	0 58	17 47	0 49	3 38	1 12	0 41	2 21	17 59	0 42	5 35	1 55	31 53	9 34	15 48	15 55	18 10		n.a.
S 25	11 58	4 40	3 17	19 23	2 12	20 15	1 0	17 57	0 48	3 33	1 11	0 38	2 21	17 58	0 42	5 36	1 55	31 53	9 35	15 49	15 56	18 11		n.a.
S 26	11 37	0 1	4 9	18 52	2 12	19 58	1 2	18 6	0 47	3 27	1 11	0 35	2 20	17 57	0 42	5 37	1 55	31 53	9 35	15 49	15 57	18 12		n.a.
M27	11 15	4n41	4 48	18 20	2 11	19 41	1 4	18 15	0 45	3 22	1 11	0 32	2 20	17 56	0 42	5 37	1 55	31 53	9 35	15 50	15 58	18 13		n.a.
T 28	10s54	9n12	5s11	17s46	2s10	19s24	1s 6	18s24	0n44	3s16	1s11	0s29	2s20	17s56	0s42	5n38	1n55	31s53	9s35	15n50	15n59	18s15		n.a.

Julian Day Number = 1472353.5, Delta T = 05h29m51s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'29, Lahiri = -13°22'28 Julian Calendar 1 Feb. 682 BCE == Greg. Calendar 25 Jan. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

MARCH 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 3 55	3♓ 0'31	21♉12	19♒38	9♒55	24♏51	24♓49	4♈14	12♒42	20°R20	19♑ 3	17°R23	16♌52	14♐ 4	n.a.	W 1
T 2	10 7 52	3°59'28	5♊22	21°28	11° 8	25°23	25° 2	4°21	12°45	20♍18	19° 4	17°D22	16°49	14°10	n.a.	T 2
F 3	10 11 48	4°58'22	19°36	23°19	12°22	25°54	25°16	4°29	12°49	20°17	19° 5	17♌23	16°46	14°17	n.a.	F 3
S 4	10 15 45	5°57'13	3♋51	25°12	13°35	26°25	25°30	4°36	12°52	20°15	19° 7	17°24	16°42	14°24	n.a.	S 4
S 5	10 19 41	6°56'02	18° 4	27° 5	14°49	26°56	25°44	4°43	12°55	20°13	19° 8	17°25	16°39	14°30	n.a.	S 5
M 6	10 23 38	7°54'49	2♌14	29° 1	16° 2	27°27	25°58	4°50	12°58	20°12	19° 9	17°26	16°36	14°37	n.a.	M 6
T 7	10 27 34	8°53'33	16°17	0♓58	17°16	27°57	26°12	4°58	13° 1	20°10	19°10	17°R27	16°33	14°44	n.a.	T 7
W 8	10 31 31	9°52'16	0♍ 9	2°56	18°29	28°28	26°26	5° 5	13° 4	20° 9	19°12	17°26	16°30	14°50	n.a.	W 8
T 9	10 35 27	10°50'56	13°47	4°55	19°43	28°58	26°40	5°12	13° 8	20° 7	19°13	17°25	16°26	14°57	n.a.	T 9
F 10	10 39 24	11°49'33	27° 9	6°56	20°56	29°28	26°54	5°20	13°11	20° 5	19°14	17°22	16°23	15° 4	n.a.	F 10
S 11	10 43 21	12°48'09	10♎13	8°58	22°10	29°58	27° 8	5°27	13°14	20° 4	19°15	17°18	16°20	15°11	n.a.	S 11
S 12	10 47 17	13°46'43	23° 0	11° 1	23°23	0♐28	27°22	5°35	13°17	20° 2	19°16	17°14	16°17	15°17	n.a.	S 12
M13	10 51 14	14°45'15	5♏29	13° 6	24°37	0°57	27°36	5°42	13°20	20° 1	19°18	17°10	16°14	15°24	n.a.	M13
T 14	10 55 10	15°43'46	17°44	15°11	25°50	1°27	27°50	5°50	13°23	19°59	19°19	17° 6	16°11	15°31	n.a.	T 14
W15	10 59 7	16°42'14	29°46	17°17	27° 4	1°56	28° 4	5°57	13°26	19°57	19°20	17° 4	16° 7	15°37	n.a.	W15
T 16	11 3 3	17°40'41	11♐41	19°24	28°17	2°25	28°18	6° 5	13°29	19°56	19°21	17° 2	16° 4	15°44	n.a.	T 16
F 17	11 7 0	18°39'06	23°33	21°32	29°31	2°53	28°32	6°13	13°32	19°54	19°22	17°D 2	16° 1	15°51	n.a.	F 17
S 18	11 10 56	19°37'29	5♑27	23°39	0♓44	3°22	28°46	6°20	13°35	19°52	19°23	17° 3	15°58	15°58	n.a.	S 18
S 19	11 14 53	20°35'51	17°27	25°47	1°58	3°50	29° 1	6°28	13°38	19°51	19°24	17° 5	15°55	16° 4	n.a.	S 19
M20	11 18 49	21°34'11	29°38	27°54	3°11	4°18	29°15	6°35	13°41	19°49	19°25	17° 6	15°51	16°11	n.a.	M20
T 21	11 22 46	22°32'29	12♒ 5	0♈ 0	4°25	4°46	29°29	6°43	13°44	19°47	19°26	17°R 7	15°48	16°18	n.a.	T 21
W22	11 26 43	23°30'46	24°51	2° 6	5°38	5°13	29°43	6°51	13°46	19°46	19°27	17° 7	15°45	16°24	n.a.	W22
T 23	11 30 39	24°29'00	7♓57	4°11	6°52	5°41	29°57	6°59	13°49	19°44	19°28	17° 6	15°42	16°31	n.a.	T 23
F 24	11 34 36	25°27'13	21°23	6°14	8° 5	6° 8	0♈12	7° 6	13°52	19°43	19°28	17° 2	15°39	16°38	n.a.	F 24
S 25	11 38 32	26°25'24	5♈ 9	8°15	9°19	6°34	0°26	7°14	13°55	19°41	19°29	16°57	15°36	16°44	n.a.	S 25
S 26	11 42 29	27°23'33	19°11	10°14	10°32	7° 1	0°40	7°22	13°57	19°39	19°30	16°51	15°32	16°51	n.a.	S 26
M27	11 46 25	28°21'40	3♉24	12°10	11°46	7°27	0°54	7°30	14° 0	19°38	19°31	16°44	15°29	16°58	n.a.	M27
T 28	11 50 22	29°19'46	17°44	14° 4	12°59	7°52	1° 9	7°37	14° 3	19°36	19°32	16°38	15°26	17° 5	n.a.	T 28
W29	11 54 18	0♈17'49	2♊ 6	15°55	14°13	8°18	1°23	7°45	14° 5	19°34	19°33	16°34	15°23	17°11	n.a.	W29
T 30	11 58 15	1°15'50	16°24	17°43	15°26	8°43	1°37	7°53	14° 8	19°33	19°33	16°31	15°20	17°18	n.a.	T 30
F 31	12 2 12	2♈13'49	0♋37	19♈28	16♓40	9♐ 8	1♈51	8♈ 1	14♒10	19♍31	19♑34	16°D30	15♌17	17♐25	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	10s33	13n15	5s15	17s10	2s 8	19s 5	1s 7	18s33	0n43	3s10	1s11	0s26	2s20	17s55	0s42	5n39	1n55	31s53	9s36	15n51	16n 0	18s16			n.a.
T 2	10 11	16 34	5 1	16 32	2 6	18 47	1 9	18 42	0 42	3 5	1 11	0 23	2 20	17 54	0 42	5 39	1 55	31 53	9 36	15 51	16 1	18 17			n.a.
F 3	9 49	18 55	4 28	15 52	2 3	18 27	1 11	18 50	0 41	2 59	1 11	0 20	2 20	17 53	0 42	5 40	1 55	31 53	9 36	15 51	16 2	18 18			n.a.
S 4	9 27	20 5	3 38	15 11	2 0	18 8	1 12	18 59	0 40	2 53	1 11	0 17	2 20	17 52	0 42	5 41	1 55	31 53	9 36	15 50	16 3	18 19			n.a.
S 5	9 5	19 59	2 35	14 28	1 56	17 47	1 14	19 7	0 38	2 48	1 11	0 14	2 20	17 51	0 42	5 41	1 55	31 53	9 36	15 50	16 4	18 20			n.a.
M 6	8 43	18 36	1 23	13 43	1 51	17 27	1 15	19 16	0 37	2 42	1 11	0 11	2 19	17 50	0 42	5 42	1 55	31 53	9 37	15 49	16 5	18 22			n.a.
T 7	8 21	16 5	0 6	12 56	1 46	17 5	1 16	19 24	0 36	2 36	1 10	0 8	2 19	17 49	0 42	5 43	1 55	31 53	9 37	15 49	16 6	18 23			n.a.
W 8	7 58	12 39	1n 9	12 8	1 41	16 44	1 18	19 32	0 34	2 31	1 10	0 5	2 19	17 48	0 42	5 43	1 55	31 54	9 37	15 49	16 7	18 24			n.a.
T 9	7 36	8 37	2 20	11 18	1 35	16 21	1 19	19 40	0 33	2 25	1 10	0 2	2 19	17 47	0 42	5 44	1 55	31 54	9 37	15 50	16 8	18 25			n.a.
F 10	7 13	4 13	3 21	10 27	1 28	15 59	1 20	19 48	0 32	2 19	1 10	0n 2	2 19	17 46	0 42	5 44	1 55	31 54	9 38	15 51	16 9	18 26			n.a.
S 11	6 51	0s16	4 10	9 34	1 21	15 36	1 21	19 56	0 30	2 14	1 10	0 5	2 19	17 46	0 42	5 45	1 55	31 54	9 38	15 52	16 10	18 27			n.a.
S 12	6 28	4 39	4 46	8 40	1 13	15 12	1 22	20 4	0 29	2 8	1 10	0 8	2 19	17 45	0 42	5 46	1 55	31 54	9 38	15 53	16 11	18 28			n.a.
M13	6 5	8 43	5 7	7 44	1 5	14 48	1 23	20 12	0 27	2 2	1 10	0 11	2 19	17 44	0 43	5 46	1 55	31 54	9 38	15 55	16 12	18 30			n.a.
T 14	5 42	12 21	5 13	6 47	0 56	14 24	1 24	20 19	0 26	1 56	1 10	0 14	2 19	17 43	0 43	5 47	1 55	31 54	9 39	15 56	16 13	18 31			n.a.
W15	5 19	15 25	5 6	5 49	0 47	13 59	1 25	20 27	0 24	1 51	1 10	0 17	2 18	17 42	0 43	5 48	1 55	31 54	9 39	15 56	16 14	18 32			n.a.
T 16	4 56	17 48	4 45	4 50	0 38	13 34	1 26	20 34	0 23	1 45	1 10	0 20	2 18	17 41	0 43	5 48	1 55	31 54	9 39	15 57	16 15	18 33			n.a.
F 17	4 33	19 25	4 12	3 50	0 28	13 9	1 26	20 41	0 21	1 39	1 10	0 23	2 18	17 40	0 43	5 49	1 55	31 54	9 40	15 57	16 16	18 34			n.a.
S 18	4 10	20 12	3 28	2 49	0 17	12 43	1 27	20 48	0 19	1 33	1 10	0 26	2 18	17 40	0 43	5 50	1 55	31 54	9 40	15 57	16 16	18 35			n.a.
S 19	3 47	20 3	2 35	1 48	0 7	12 17	1 27	20 55	0 18	1 28	1 10	0 30	2 18	17 39	0 43	5 50	1 55	31 54	9 40	15 56	16 17	18 36			n.a.
M20	3 23	18 59	1 34	0 47	0n 4	11 50	1 28	21 2	0 16	1 22	1 9	0 33	2 18	17 38	0 43	5 51	1 55	31 55	9 40	15 56	16 18	18 38			n.a.
T 21	3 0	16 58	0 27	0n14	0 15	11 24	1 28	21 9	0 14	1 16	1 9	0 36	2 18	17 37	0 43	5 52	1 55	31 55	9 41	15 55	16 19	18 39			n.a.
W22	2 37	14 5	0s42	1 15	0 26	10 57	1 29	21 16	0 12	1 10	1 9	0 39	2 18	17 36	0 43	5 52	1 55	31 55	9 41	15 55	16 20	18 40			n.a.
T 23	2 13	10 25	1 51	2 15	0 37	10 29	1 29	21 23	0 11	1 4	1 9	0 42	2 18	17 36	0 43	5 53	1 55	31 55	9 41	15 56	16 21	18 41			n.a.
F 24	1 50	6 9	2 55	3 14	0 48	10 2	1 29	21 29	0 9	0 59	1 9	0 45	2 18	17 35	0 43	5 54	1 55	31 55	9 41	15 57	16 22	18 42			n.a.
S 25	1 26	1 27	3 51	4 13	0 59	9 34	1 30	21 36	0 7	0 53	1 9	0 48	2 18	17 34	0 43	5 54	1 55	31 55	9 42	15 59	16 23	18 43			n.a.
S 26	1 3	3n23	4 34	5 10	1 9	9 6	1 30	21 42	0 5	0 47	1 9	0 52	2 18	17 33	0 43	5 55	1 55	31 55	9 42	16 0	16 24	18 44			n.a.
M27	0 40	8 7	5 1	6 6	1 20	8 37	1 30	21 49	0 3	0 41	1 9	0 55	2 18	17 32	0 43	5 56	1 55	31 56	9 42	16 2	16 25	18 45			n.a.
T 28	0 16	12 25	5 9	7 0	1 30	8 9	1 30	21 55	0 1	0 36	1 9	0 58	2 18	17 32	0 43	5 56	1 55	31 56	9 43	16 4	16 26	18 46			n.a.
W29	0n 7	16 0	4 58	7 52	1 39	7 40	1 30	22 1	0s 1	0 30	1 9	1 1	2 17	17 31	0 43	5 57	1 55	31 56	9 43	16 6	16 27	18 48			n.a.
T 30	0 31	18 37	4 28	8 43	1 48	7 11	1 29	22 7	0 3	0 24	1 9	1 4	2 17	17 30	0 43	5 58	1 55	31 56	9 43	16 6	16 28	18 49			n.a.
F 31	0n54	20n 4	3s42	9n31	1n57	6s42	1s29	22s13	0s 5	0s18	1s 9	1n 7	2s17	17s29	0s43	5n58	1n55	31s56	9s43	16n 7	16n29	18s50			n.a.

Julian Day Number = 1472381.5, Delta T = 05h29m49s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'25, Lahiri = -13°22'25 Julian Calendar 1 March 682 BCE == Greg. Calendar 22 Feb. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

APRIL 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 6 8	3♈11'47	14♋42	21♈ 9	17♓53	9♐33	2♈ 5	8♈ 9	14♒13	19°R30	19♑35	16♌30	15♌13	17♐31	n.a.	S 1
S 2	12 10 5	4° 9'42	28°38	22°47	19° 7	9°57	2°20	8°17	14°16	19♍28	19°35	16°32	15°10	17°38	n.a.	S 2
M 3	12 14 1	5° 7'35	12♌25	24°21	20°20	10°21	2°34	8°24	14°18	19°27	19°36	16°R32	15° 7	17°45	n.a.	M 3
T 4	12 17 58	6° 5'26	26° 1	25°51	21°34	10°44	2°48	8°32	14°20	19°25	19°37	16°32	15° 4	17°51	n.a.	T 4
W 5	12 21 54	7° 3'16	9♍27	27°17	22°47	11° 8	3° 2	8°40	14°23	19°23	19°37	16°30	15° 1	17°58	n.a.	W 5
T 6	12 25 51	8° 1'03	22°42	28°40	24° 1	11°31	3°17	8°48	14°25	19°22	19°38	16°25	14°57	18° 5	n.a.	T 6
F 7	12 29 47	8°58'49	5♎45	29°59	25°14	11°53	3°31	8°56	14°27	19°20	19°38	16°18	14°54	18°12	n.a.	F 7
S 8	12 33 44	9°56'33	18°34	1♉13	26°28	12°15	3°45	9° 4	14°30	19°19	19°39	16°10	14°51	18°18	n.a.	S 8
S 9	12 37 40	10°54'16	1♏11	2°23	27°41	12°37	3°59	9°12	14°32	19°17	19°39	16° 0	14°48	18°25	n.a.	S 9
M10	12 41 37	11°51'58	13°33	3°30	28°55	12°58	4°13	9°19	14°34	19°16	19°40	15°50	14°45	18°32	n.a.	M10
T 11	12 45 34	12°49'38	25°44	4°32	0♈ 8	13°19	4°27	9°27	14°36	19°14	19°40	15°41	14°42	18°38	n.a.	T 11
W12	12 49 30	13°47'17	7♐45	5°29	1°22	13°40	4°41	9°35	14°38	19°13	19°41	15°34	14°38	18°45	n.a.	W12
T 13	12 53 27	14°44'55	19°38	6°23	2°35	14° 0	4°56	9°43	14°41	19°11	19°41	15°28	14°35	18°52	n.a.	T 13
F 14	12 57 23	15°42'31	1♑29	7°12	3°49	14°20	5°10	9°51	14°43	19°10	19°41	15°25	14°32	18°58	n.a.	F 14
S 15	13 1 20	16°40'07	13°22	7°56	5° 2	14°39	5°24	9°59	14°45	19° 9	19°42	15°D24	14°29	19° 5	n.a.	S 15
S 16	13 5 16	17°37'41	25°21	8°36	6°16	14°58	5°38	10° 6	14°47	19° 7	19°42	15°24	14°26	19°12	n.a.	S 16
M17	13 9 13	18°35'14	7♒32	9°12	7°29	15°16	5°52	10°14	14°49	19° 6	19°42	15°25	14°23	19°19	n.a.	M17
T 18	13 13 9	19°32'47	20° 0	9°42	8°43	15°34	6° 6	10°22	14°50	19° 4	19°43	15°R25	14°19	19°25	n.a.	T 18
W19	13 17 6	20°30'18	2♓50	10° 8	9°56	15°51	6°20	10°30	14°52	19° 3	19°43	15°23	14°16	19°32	n.a.	W19
T 20	13 21 3	21°27'48	16° 4	10°30	11°10	16° 8	6°34	10°38	14°54	19° 2	19°43	15°20	14°13	19°39	n.a.	T 20
F 21	13 24 59	22°25'17	29°44	10°46	12°23	16°24	6°48	10°45	14°56	19° 0	19°43	15°14	14°10	19°45	n.a.	F 21
S 22	13 28 56	23°22'45	13♈49	10°58	13°37	16°40	7° 2	10°53	14°58	18°59	19°44	15° 5	14° 7	19°52	n.a.	S 22
S 23	13 32 52	24°20'12	28°14	11° 5	14°50	16°55	7°16	11° 1	14°59	18°58	19°44	14°56	14° 3	19°59	n.a.	S 23
M24	13 36 49	25°17'37	12♉53	11°R 7	16° 4	17°10	7°29	11° 8	15° 1	18°57	19°44	14°45	14° 0	20° 5	n.a.	M24
T 25	13 40 45	26°15'02	27°40	11° 5	17°17	17°24	7°43	11°16	15° 3	18°55	19°44	14°36	13°57	20°12	n.a.	T 25
W26	13 44 42	27°12'25	12♊24	10°59	18°31	17°37	7°57	11°24	15° 4	18°54	19°44	14°28	13°54	20°19	n.a.	W26
T 27	13 48 38	28° 9'48	27° 1	10°48	19°44	17°50	8°11	11°31	15° 6	18°53	19°44	14°22	13°51	20°26	n.a.	T 27
F 28	13 52 35	29° 7'09	11♋24	10°33	20°58	18° 3	8°24	11°39	15° 7	18°52	19°R44	14°19	13°48	20°32	n.a.	F 28
S 29	13 56 32	0♉ 4'28	25°30	10°14	22°11	18°14	8°38	11°47	15° 9	18°51	19°44	14°D18	13°44	20°39	n.a.	S 29
S 30	14 0 28	1♉ 1'47	9♌20	9♉52	23♈25	18♐26	8♈52	11♈54	15♒10	18♍50	19♑44	14°R18	13♌41	20♐46	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n17	20n15	2s43	10n17	2n 5	6s13	1s29	22s19	0s 8	0s12	1s 9	1n11	2s17	17s29	0s43	5n59	1n55	31s56	9s44	16n 7	16n30	18s51		n.a.
S 2	1 41	19 10	1 35	11 1	2 12	5 43	1 28	22 25	0 10	0 7	1 9	1 14	2 17	17 28	0 43	5 59	1 55	31 57	9 44	16 6	16 31	18 52		n.a.
M 3	2 4	16 58	0 22	11 42	2 18	5 13	1 28	22 31	0 12	0 1	1 9	1 17	2 17	17 27	0 43	6 0	1 55	31 57	9 44	16 6	16 32	18 53		n.a.
T 4	2 27	13 49	0n51	12 21	2 24	4 44	1 28	22 37	0 15	0n 5	1 9	1 20	2 17	17 27	0 43	6 1	1 55	31 57	9 45	16 6	16 33	18 54		n.a.
W 5	2 50	9 59	2 0	12 58	2 29	4 14	1 27	22 42	0 17	0 11	1 9	1 23	2 17	17 26	0 43	6 1	1 55	31 57	9 45	16 7	16 34	18 55		n.a.
T 6	3 13	5 43	3 2	13 32	2 33	3 44	1 26	22 48	0 19	0 16	1 9	1 26	2 17	17 25	0 43	6 2	1 55	31 57	9 45	16 8	16 35	18 56		n.a.
F 7	3 36	1 14	3 53	14 4	2 37	3 14	1 26	22 53	0 22	0 22	1 9	1 29	2 17	17 25	0 43	6 2	1 55	31 58	9 46	16 10	16 36	18 57		n.a.
S 8	3 59	3s13	4 31	14 33	2 39	2 43	1 25	22 59	0 24	0 28	1 9	1 33	2 17	17 24	0 43	6 3	1 55	31 58	9 46	16 13	16 36	18 58		n.a.
S 9	4 22	7 26	4 55	14 59	2 41	2 13	1 24	23 4	0 27	0 33	1 9	1 36	2 17	17 23	0 43	6 4	1 55	31 58	9 46	16 16	16 37	18 59		n.a.
M10	4 45	11 17	5 5	15 23	2 42	1 43	1 23	23 10	0 30	0 39	1 9	1 39	2 17	17 23	0 43	6 4	1 55	31 58	9 47	16 19	16 38	19 0		n.a.
T 11	5 8	14 36	5 0	15 44	2 42	1 12	1 22	23 15	0 32	0 45	1 9	1 42	2 17	17 22	0 43	6 5	1 55	31 59	9 47	16 22	16 39	19 2		n.a.
W12	5 31	17 15	4 43	16 3	2 41	0 42	1 21	23 20	0 35	0 51	1 9	1 45	2 17	17 22	0 43	6 5	1 55	31 59	9 47	16 24	16 40	19 3		n.a.
T 13	5 53	19 10	4 13	16 19	2 39	0 11	1 20	23 26	0 38	0 56	1 9	1 48	2 17	17 21	0 43	6 6	1 55	31 59	9 47	16 25	16 41	19 4		n.a.
F 14	6 16	20 14	3 32	16 33	2 36	0n20	1 19	23 31	0 41	1 2	1 9	1 51	2 17	17 20	0 43	6 6	1 55	31 59	9 48	16 26	16 42	19 5		n.a.
S 15	6 38	20 24	2 43	16 44	2 32	0 50	1 18	23 36	0 43	1 8	1 9	1 54	2 17	17 20	0 43	6 7	1 55	32 0	9 48	16 27	16 43	19 6		n.a.
S 16	7 1	19 39	1 45	16 53	2 27	1 21	1 17	23 41	0 46	1 13	1 9	1 58	2 17	17 19	0 43	6 7	1 55	32 0	9 48	16 27	16 44	19 7		n.a.
M17	7 23	17 58	0 42	16 59	2 21	1 51	1 16	23 46	0 49	1 19	1 9	2 1	2 17	17 19	0 43	6 8	1 55	32 0	9 49	16 26	16 45	19 8		n.a.
T 18	7 45	15 24	0s25	17 2	2 14	2 22	1 14	23 51	0 53	1 24	1 9	2 4	2 17	17 18	0 44	6 9	1 55	32 0	9 49	16 26	16 46	19 9		n.a.
W19	8 7	12 2	1 32	17 3	2 6	2 52	1 13	23 56	0 56	1 30	1 9	2 7	2 17	17 18	0 44	6 9	1 55	32 1	9 49	16 27	16 47	19 10		n.a.
T 20	8 29	7 57	2 36	17 1	1 57	3 23	1 12	24 1	0 59	1 36	1 9	2 10	2 17	17 17	0 44	6 10	1 55	32 1	9 50	16 28	16 48	19 11		n.a.
F 21	8 51	3 21	3 33	16 57	1 47	3 53	1 10	24 6	1 2	1 41	1 9	2 13	2 17	17 17	0 44	6 10	1 55	32 1	9 50	16 30	16 49	19 12		n.a.
S 22	9 12	1n33	4 19	16 50	1 36	4 24	1 9	24 11	1 5	1 47	1 9	2 16	2 17	17 16	0 44	6 11	1 55	32 1	9 50	16 32	16 50	19 13		n.a.
S 23	9 34	6 29	4 50	16 41	1 24	4 54	1 7	24 16	1 9	1 52	1 9	2 19	2 17	17 16	0 44	6 11	1 55	32 2	9 51	16 35	16 50	19 14		n.a.
M24	9 55	11 8	5 2	16 30	1 11	5 24	1 5	24 21	1 12	1 58	1 9	2 22	2 17	17 15	0 44	6 11	1 55	32 2	9 51	16 38	16 51	19 15		n.a.
T 25	10 16	15 8	4 54	16 16	0 58	5 54	1 4	24 25	1 16	2 3	1 9	2 25	2 17	17 15	0 44	6 12	1 55	32 2	9 51	16 41	16 52	19 16		n.a.
W26	10 37	18 11	4 27	16 1	0 43	6 24	1 2	24 30	1 19	2 9	1 9	2 28	2 17	17 14	0 44	6 12	1 55	32 3	9 52	16 43	16 53	19 17		n.a.
T 27	10 58	20 2	3 43	15 43	0 28	6 54	1 0	24 35	1 23	2 14	1 9	2 31	2 17	17 14	0 44	6 13	1 55	32 3	9 52	16 45	16 54	19 18		n.a.
F 28	11 19	20 32	2 45	15 23	0 12	7 23	0 59	24 40	1 26	2 20	1 9	2 34	2 18	17 14	0 44	6 13	1 55	32 3	9 52	16 46	16 55	19 19		n.a.
S 29	11 39	19 44	1 38	15 2	0s 4	7 53	0 57	24 44	1 30	2 25	1 9	2 37	2 18	17 13	0 44	6 14	1 55	32 4	9 52	16 46	16 56	19 20		n.a.
S 30	12n 0	17n45	0s26	14n39	0s21	8n22	0s55	24s49	1s34	2n31	1s 9	2n40	2s18	17s13	0s44	6n14	1n55	32s 4	9s53	16n46	16n57	19s21		n.a.

Julian Day Number = 1472412.5, Delta T = 05h29m48s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'21, Lahiri = -13°22'20 Julian Calendar 1 Apr. 682 BCE == Greg. Calendar 25 March 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

MAY 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 4 25	1♉59'04	22♌54	9°R26	24♈38	18♐36	9♈ 5	12♈ 2	15♒11	18°R48	19°R44	14°R18	13♌38	20♐52	n.a.	M 1
T 2	14 8 21	2°56'19	6♍13	8♉58	25°52	18°46	9°19	12° 9	15°13	18♍47	19♑44	14♌17	13°35	20°59	n.a.	T 2
W 3	14 12 18	3°53'34	19°19	8°28	27° 5	18°55	9°33	12°17	15°14	18°46	19°44	14°13	13°32	21° 6	n.a.	W 3
T 4	14 16 14	4°50'48	2♎13	7°56	28°19	19° 4	9°46	12°24	15°15	18°45	19°44	14° 6	13°28	21°12	n.a.	T 4
F 5	14 20 11	5°48'01	14°56	7°23	29°32	19°12	10° 0	12°32	15°16	18°44	19°43	13°57	13°25	21°19	n.a.	F 5
S 6	14 24 7	6°45'13	27°29	6°49	0♉46	19°19	10°13	12°39	15°17	18°43	19°43	13°45	13°22	21°26	n.a.	S 6
S 7	14 28 4	7°42'24	9♏51	6°16	1°59	19°25	10°26	12°47	15°18	18°42	19°43	13°32	13°19	21°32	n.a.	S 7
M 8	14 32 1	8°39'34	22° 4	5°43	3°13	19°31	10°40	12°54	15°19	18°41	19°43	13°19	13°16	21°39	n.a.	M 8
T 9	14 35 57	9°36'44	4♐ 7	5°11	4°26	19°36	10°53	13° 1	15°20	18°41	19°43	13° 6	13°13	21°46	n.a.	T 9
W10	14 39 54	10°33'54	16° 3	4°41	5°40	19°41	11° 6	13° 9	15°21	18°40	19°42	12°56	13° 9	21°53	n.a.	W10
T 11	14 43 50	11°31'03	27°55	4°13	6°54	19°44	11°19	13°16	15°22	18°39	19°42	12°48	13° 6	21°59	n.a.	T 11
F 12	14 47 47	12°28'12	9♑44	3°47	8° 7	19°47	11°32	13°23	15°23	18°38	19°42	12°42	13° 3	22° 6	n.a.	F 12
S 13	14 51 43	13°25'20	21°35	3°25	9°21	19°50	11°46	13°30	15°24	18°37	19°41	12°39	13° 0	22°13	n.a.	S 13
S 14	14 55 40	14°22'28	3♒33	3° 7	10°34	19°51	11°59	13°38	15°25	18°36	19°41	12°38	12°57	22°19	n.a.	S 14
M15	14 59 36	15°19'36	15°42	2°52	11°48	19°R52	12°12	13°45	15°25	18°36	19°41	12°38	12°54	22°26	n.a.	M15
T 16	15 3 33	16°16'44	28° 9	2°41	13° 2	19°52	12°25	13°52	15°26	18°35	19°40	12°38	12°50	22°33	n.a.	T 16
W17	15 7 30	17°13'51	10♓57	2°34	14°15	19°51	12°37	13°59	15°26	18°34	19°40	12°36	12°47	22°39	n.a.	W17
T 18	15 11 26	18°10'59	24°12	2°D32	15°29	19°49	12°50	14° 6	15°27	18°34	19°39	12°33	12°44	22°46	n.a.	T 18
F 19	15 15 23	19° 8'06	7♈55	2°35	16°42	19°47	13° 3	14°13	15°28	18°33	19°39	12°27	12°41	22°53	n.a.	F 19
S 20	15 19 19	20° 5'14	22° 7	2°42	17°56	19°44	13°16	14°20	15°28	18°32	19°38	12°18	12°38	22°59	n.a.	S 20
S 21	15 23 16	21° 2'21	6♉45	2°54	19°10	19°40	13°28	14°26	15°28	18°32	19°38	12° 8	12°34	23° 6	n.a.	S 21
M22	15 27 12	21°59'28	21°41	3°10	20°23	19°35	13°41	14°33	15°29	18°31	19°37	11°57	12°31	23°13	n.a.	M22
T 23	15 31 9	22°56'35	6♊46	3°31	21°37	19°30	13°53	14°40	15°29	18°31	19°36	11°47	12°28	23°20	n.a.	T 23
W24	15 35 6	23°53'42	21°52	3°57	22°51	19°24	14° 6	14°47	15°29	18°30	19°36	11°38	12°25	23°26	n.a.	W24
T 25	15 39 2	24°50'48	6♋48	4°28	24° 4	19°17	14°18	14°53	15°30	18°30	19°35	11°32	12°22	23°33	n.a.	T 25
F 26	15 42 59	25°47'55	21°26	5° 3	25°18	19° 9	14°30	15° 0	15°30	18°30	19°35	11°29	12°19	23°40	n.a.	F 26
S 27	15 46 55	26°45'01	5♌43	5°43	26°32	19° 1	14°43	15° 7	15°30	18°29	19°34	11°D28	12°15	23°46	n.a.	S 27
S 28	15 50 52	27°42'06	19°38	6°28	27°46	18°52	14°55	15°13	15°30	18°29	19°33	11°28	12°12	23°53	n.a.	S 28
M29	15 54 48	28°39'11	3♍10	7°17	28°59	18°43	15° 7	15°20	15°R30	18°28	19°32	11°R28	12° 9	24° 0	n.a.	M29
T 30	15 58 45	29°36'16	16°22	8°10	0♊13	18°33	15°19	15°26	15°30	18°28	19°32	11°27	12° 6	24° 6	n.a.	T 30
W31	16 2 41	0♊33'21	29♍17	9♉ 8	1♊27	18♐22	15♈31	15♈32	15♒30	18♍28	19♑31	11♌24	12♌ 3	24♐13	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	12n20	14n47	0n45	14n15	0s38	8n51	0s53	24s54	1s38	2n36	1s 9	2n43	2s18	17s12	0s44	6n14	1n55	32s 4	9s53	16n46	16n58	19s22					n.a.
T 2	12 40	11 6	1 53	13 50	0 55	9 20	0 51	24 59	1 41	2 41	1 9	2 46	2 18	17 12	0 44	6 15	1 55	32 4	9 53	16 47	16 59	19 23					n.a.
W 3	13 0	6 57	2 54	13 24	1 12	9 49	0 49	25 3	1 45	2 47	1 9	2 49	2 18	17 12	0 44	6 15	1 55	32 5	9 54	16 48	17 0	19 24					n.a.
T 4	13 19	2 32	3 45	12 57	1 29	10 18	0 47	25 8	1 49	2 52	1 9	2 51	2 18	17 11	0 44	6 16	1 55	32 5	9 54	16 50	17 1	19 25					n.a.
F 5	13 38	1s56	4 23	12 31	1 45	10 46	0 45	25 13	1 53	2 57	1 9	2 54	2 18	17 11	0 44	6 16	1 54	32 5	9 54	16 52	17 2	19 26					n.a.
S 6	13 58	6 15	4 48	12 5	2 1	11 14	0 43	25 17	1 57	3 3	1 9	2 57	2 18	17 11	0 44	6 16	1 54	32 6	9 55	16 56	17 3	19 27					n.a.
S 7	14 17	10 14	4 59	11 39	2 17	11 42	0 41	25 22	2 2	3 8	1 9	3 0	2 18	17 11	0 44	6 17	1 54	32 6	9 55	17 0	17 3	19 28					n.a.
M 8	14 35	13 46	4 57	11 14	2 32	12 9	0 39	25 27	2 6	3 13	1 9	3 3	2 18	17 10	0 44	6 17	1 54	32 6	9 55	17 3	17 4	19 29					n.a.
T 9	14 54	16 40	4 40	10 50	2 45	12 36	0 37	25 31	2 10	3 19	1 9	3 6	2 18	17 10	0 44	6 17	1 54	32 7	9 56	17 7	17 5	19 30					n.a.
W10	15 12	18 51	4 12	10 28	2 58	13 3	0 34	25 36	2 14	3 24	1 9	3 8	2 18	17 10	0 44	6 18	1 54	32 7	9 56	17 10	17 6	19 31					n.a.
T 11	15 30	20 13	3 33	10 8	3 10	13 30	0 32	25 41	2 19	3 29	1 9	3 11	2 18	17 10	0 44	6 18	1 54	32 7	9 56	17 12	17 7	19 32					n.a.
F 12	15 48	20 41	2 45	9 49	3 21	13 56	0 30	25 45	2 23	3 34	1 9	3 14	2 19	17 9	0 44	6 18	1 54	32 8	9 56	17 14	17 8	19 33					n.a.
S 13	16 5	20 13	1 49	9 33	3 30	14 22	0 28	25 50	2 28	3 39	1 9	3 17	2 19	17 9	0 44	6 18	1 54	32 8	9 57	17 15	17 9	19 34					n.a.
S 14	16 23	18 51	0 48	9 19	3 38	14 48	0 25	25 55	2 32	3 44	1 9	3 19	2 19	17 9	0 44	6 19	1 54	32 9	9 57	17 15	17 10	19 34					n.a.
M15	16 40	16 37	0s16	9 7	3 45	15 13	0 23	25 59	2 37	3 49	1 9	3 22	2 19	17 9	0 45	6 19	1 54	32 9	9 57	17 15	17 11	19 35					n.a.
T 16	16 56	13 33	1 21	8 58	3 50	15 38	0 21	26 4	2 41	3 54	1 9	3 25	2 19	17 9	0 45	6 19	1 54	32 9	9 58	17 15	17 12	19 36					n.a.
W17	17 13	9 46	2 24	8 52	3 55	16 3	0 19	26 8	2 46	3 59	1 9	3 27	2 19	17 8	0 45	6 19	1 54	32 10	9 58	17 16	17 13	19 37					n.a.
T 18	17 29	5 24	3 21	8 48	3 58	16 27	0 16	26 13	2 51	4 4	1 10	3 30	2 19	17 8	0 45	6 20	1 54	32 10	9 58	17 17	17 14	19 38					n.a.
F 19	17 45	0 37	4 9	8 47	4 0	16 51	0 14	26 17	2 55	4 9	1 10	3 33	2 19	17 8	0 45	6 20	1 54	32 10	9 58	17 18	17 14	19 39					n.a.
S 20	18 1	4n22	4 43	8 49	4 0	17 14	0 12	26 22	3 0	4 14	1 10	3 35	2 19	17 8	0 45	6 20	1 54	32 11	9 59	17 21	17 15	19 40					n.a.
S 21	18 16	9 14	5 0	8 54	4 0	17 37	0 9	26 26	3 5	4 19	1 10	3 38	2 20	17 8	0 45	6 20	1 54	32 11	9 59	17 24	17 16	19 41					n.a.
M22	18 31	13 40	4 57	9 1	3 58	17 59	0 7	26 31	3 10	4 24	1 10	3 40	2 20	17 8	0 45	6 20	1 54	32 11	9 59	17 27	17 17	19 42					n.a.
T 23	18 46	17 15	4 33	9 11	3 56	18 21	0 4	26 35	3 14	4 29	1 10	3 43	2 20	17 8	0 45	6 21	1 54	32 12	10 0	17 30	17 18	19 43					n.a.
W24	19 1	19 41	3 51	9 23	3 52	18 43	0 2	26 39	3 19	4 34	1 10	3 45	2 20	17 8	0 45	6 21	1 54	32 12	10 0	17 32	17 19	19 44					n.a.
T 25	19 15	20 44	2 53	9 37	3 47	19 3	0n 0	26 43	3 24	4 39	1 10	3 48	2 20	17 8	0 45	6 21	1 53	32 12	10 0	17 34	17 20	19 45					n.a.
F 26	19 29	20 20	1 44	9 54	3 42	19 24	0 3	26 47	3 29	4 43	1 10	3 50	2 20	17 8	0 45	6 21	1 53	32 13	10 0	17 35	17 21	19 46					n.a.
S 27	19 42	18 37	0 30	10 14	3 36	19 44	0 5	26 51	3 33	4 48	1 10	3 53	2 20	17 8	0 45	6 21	1 53	32 13	10 1	17 35	17 22	19 46					n.a.
S 28	19 55	15 49	0n43	10 35	3 28	20 3	0 7	26 55	3 38	4 53	1 10	3 55	2 20	17 8	0 45	6 21	1 53	32 14	10 1	17 35	17 23	19 47					n.a.
M29	20 8	12 14	1 53	10 59	3 21	20 22	0 10	26 59	3 43	4 57	1 10	3 58	2 21	17 8	0 45	6 21	1 53	32 14	10 1	17 35	17 23	19 48					n.a.
T 30	20 21	8 7	2 54	11 24	3 12	20 41	0 12	27 3	3 47	5 2	1 10	4 0	2 21	17 8	0 45	6 21	1 53	32 14	10 1	17 35	17 24	19 49					n.a.
W31	20n33	3n43	3n45	11n51	3s 3	20n58	0n14	27s 7	3s52	5n 7	1s10	4n 2	2s21	17s 8	0s45	6n21	1n53	32s15	10s 2	17n36	17n25	19s50					n.a.

Julian Day Number = 1472442.5, Delta T = 05h29m46s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'17, Lahiri = -13°22'16 Julian Calendar 1 May 682 BCE == Greg. Calendar 24 Apr. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

JUNE 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 6 38	1♊30'25	11♎57	10♉10	2♊40	18°R10	15♈43	15♈39	15°R30	18°R28	19°R30	11°R18	12♌ 0	24♐20	n.a.	T 1
F 2	16 10 35	2°27'30	24°25	11°16	3°54	17♐58	15°55	15°45	15♒29	18♍28	19♑29	11♌10	11°56	24°26	n.a.	F 2
S 3	16 14 31	3°24'34	6♏43	12°26	5° 8	17°46	16° 6	15°51	15°29	18°27	19°29	10°59	11°53	24°33	n.a.	S 3
S 4	16 18 28	4°21'39	18°53	13°41	6°22	17°33	16°18	15°57	15°29	18°27	19°28	10°48	11°50	24°40	n.a.	S 4
M 5	16 22 24	5°18'44	0♐55	15° 0	7°35	17°19	16°29	16° 3	15°29	18°27	19°27	10°36	11°47	24°47	n.a.	M 5
T 6	16 26 21	6°15'49	12°52	16°22	8°49	17° 5	16°41	16° 9	15°28	18°27	19°26	10°25	11°44	24°53	n.a.	T 6
W 7	16 30 17	7°12'55	24°44	17°49	10° 3	16°51	16°52	16°15	15°28	18°27	19°25	10°15	11°40	25° 0	n.a.	W 7
T 8	16 34 14	8°10'01	6♑33	19°19	11°17	16°36	17° 3	16°21	15°27	18°D27	19°24	10° 8	11°37	25° 7	n.a.	T 8
F 9	16 38 10	9° 7'07	18°22	20°54	12°31	16°21	17°15	16°27	15°27	18°27	19°23	10° 3	11°34	25°13	n.a.	F 9
S 10	16 42 7	10° 4'15	0♒14	22°32	13°44	16° 5	17°26	16°33	15°26	18°27	19°22	10° 1	11°31	25°20	n.a.	S 10
S 11	16 46 4	11° 1'22	12°13	24°13	14°58	15°50	17°37	16°38	15°26	18°27	19°21	10°D 0	11°28	25°27	n.a.	S 11
M12	16 50 0	11°58'31	24°23	25°58	16°12	15°34	17°48	16°44	15°25	18°27	19°20	10° 1	11°25	25°33	n.a.	M12
T 13	16 53 57	12°55'40	6♓48	27°46	17°26	15°17	17°59	16°50	15°24	18°28	19°19	10° 2	11°21	25°40	n.a.	T 13
W14	16 57 53	13°52'50	19°34	29°37	18°40	15° 1	18° 9	16°55	15°24	18°28	19°18	10°R 2	11°18	25°47	n.a.	W14
T 15	17 1 50	14°50'01	2♈45	1♊32	19°54	14°45	18°20	17° 0	15°23	18°28	19°17	10° 0	11°15	25°53	n.a.	T 15
F 16	17 5 46	15°47'13	16°24	3°28	21° 7	14°28	18°30	17° 6	15°22	18°28	19°16	9°57	11°12	26° 0	n.a.	F 16
S 17	17 9 43	16°44'25	0♉33	5°27	22°21	14°12	18°41	17°11	15°21	18°28	19°15	9°51	11° 9	26° 7	n.a.	S 17
S 18	17 13 39	17°41'39	15° 8	7°28	23°35	13°55	18°51	17°16	15°20	18°29	19°14	9°44	11° 5	26°13	n.a.	S 18
M19	17 17 36	18°38'54	0♊ 6	9°31	24°49	13°39	19° 1	17°21	15°19	18°29	19°13	9°37	11° 2	26°20	n.a.	M19
T 20	17 21 33	19°36'09	15°18	11°35	26° 3	13°23	19°12	17°26	15°18	18°30	19°12	9°29	10°59	26°27	n.a.	T 20
W21	17 25 29	20°33'25	0♋33	13°40	27°17	13° 6	19°22	17°31	15°17	18°30	19°11	9°23	10°56	26°34	n.a.	W21
T 22	17 29 26	21°30'43	15°42	15°46	28°31	12°51	19°32	17°36	15°16	18°30	19°10	9°19	10°53	26°40	n.a.	T 22
F 23	17 33 22	22°28'00	0♌34	17°53	29°45	12°35	19°41	17°41	15°15	18°31	19° 9	9°17	10°50	26°47	n.a.	F 23
S 24	17 37 19	23°25'19	15° 4	20° 0	0♋59	12°20	19°51	17°46	15°14	18°31	19° 7	9°D17	10°46	26°54	n.a.	S 24
S 25	17 41 15	24°22'38	29° 9	22° 6	2°13	12° 5	20° 1	17°50	15°13	18°32	19° 6	9°18	10°43	27° 0	n.a.	S 25
M26	17 45 12	25°19'58	12♍47	24°12	3°27	11°51	20°10	17°55	15°11	18°32	19° 5	9°19	10°40	27° 7	n.a.	M26
T 27	17 49 9	26°17'18	26° 1	26°18	4°41	11°37	20°19	17°59	15°10	18°33	19° 4	9°R20	10°37	27°14	n.a.	T 27
W28	17 53 5	27°14'39	8♎54	28°22	5°55	11°23	20°29	18° 4	15° 9	18°34	19° 3	9°19	10°34	27°20	n.a.	W28
T 29	17 57 2	28°12'01	21°28	0♋26	7° 9	11°10	20°38	18° 8	15° 7	18°34	19° 2	9°17	10°31	27°27	n.a.	T 29
F 30	18 0 58	29♊ 9'23	3♏49	2♋29	8♋23	10♐58	20♈47	18♈12	15♒ 6	18♍35	19♑ 0	9♌13	10♌27	27♐34	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n45	0s45	4n24	12n20	2s53	21n16	0n17	27s10	3s57	5n11	1s11	4n 5	2s21	17s 8	0s45	6n21	1n53	32s15	10s 2	17n38	17n26	19s51		n.a.
F 2	20 57	5 7	4 50	12 50	2 43	21 32	0 19	27 14	4 1	5 16	1 11	4 7	2 21	17 8	0 45	6 21	1 53	32 15	10 2	17 40	17 27	19 52		n.a.
S 3	21 8	9 12	5 2	13 22	2 32	21 48	0 21	27 17	4 6	5 20	1 11	4 9	2 21	17 8	0 45	6 21	1 53	32 16	10 2	17 43	17 28	19 53		n.a.
S 4	21 19	12 53	4 59	13 55	2 21	22 4	0 24	27 20	4 10	5 24	1 11	4 11	2 21	17 8	0 45	6 21	1 53	32 16	10 3	17 46	17 29	19 53		n.a.
M 5	21 29	16 0	4 44	14 30	2 10	22 18	0 26	27 23	4 15	5 29	1 11	4 14	2 22	17 9	0 45	6 21	1 53	32 17	10 3	17 50	17 30	19 54		n.a.
T 6	21 39	18 26	4 16	15 5	1 58	22 33	0 28	27 26	4 19	5 33	1 11	4 16	2 22	17 9	0 45	6 21	1 53	32 17	10 3	17 53	17 31	19 55		n.a.
W 7	21 49	20 3	3 37	15 41	1 46	22 46	0 30	27 29	4 23	5 38	1 11	4 18	2 22	17 9	0 45	6 21	1 53	32 17	10 3	17 55	17 32	19 56		n.a.
T 8	21 59	20 48	2 49	16 18	1 34	22 59	0 33	27 31	4 27	5 42	1 11	4 20	2 22	17 9	0 45	6 21	1 53	32 18	10 4	17 57	17 32	19 57		n.a.
F 9	22 8	20 38	1 53	16 56	1 21	23 11	0 35	27 34	4 31	5 46	1 11	4 22	2 22	17 9	0 46	6 21	1 53	32 18	10 4	17 58	17 33	19 58		n.a.
S 10	22 16	19 32	0 52	17 33	1 9	23 23	0 37	27 36	4 35	5 50	1 11	4 24	2 22	17 9	0 46	6 21	1 53	32 18	10 4	17 59	17 34	19 59		n.a.
S 11	22 25	17 34	0s12	18 11	0 56	23 34	0 39	27 38	4 39	5 54	1 12	4 26	2 23	17 10	0 46	6 21	1 53	32 19	10 4	17 59	17 35	19 59		n.a.
M12	22 33	14 47	1 16	18 49	0 44	23 44	0 41	27 40	4 43	5 59	1 12	4 28	2 23	17 10	0 46	6 21	1 52	32 19	10 5	17 59	17 36	20 0		n.a.
T 13	22 40	11 17	2 19	19 26	0 31	23 53	0 43	27 42	4 47	6 3	1 12	4 30	2 23	17 10	0 46	6 21	1 52	32 20	10 5	17 59	17 37	20 1		n.a.
W14	22 47	7 11	3 16	20 3	0 19	24 2	0 45	27 44	4 50	6 7	1 12	4 32	2 23	17 10	0 46	6 21	1 52	32 20	10 5	17 59	17 38	20 2		n.a.
T 15	22 54	2 37	4 5	20 38	0 7	24 10	0 47	27 45	4 54	6 11	1 12	4 34	2 23	17 11	0 46	6 21	1 52	32 20	10 5	17 59	17 39	20 3		n.a.
F 16	23 0	2n13	4 42	21 13	0n 4	24 18	0 49	27 46	4 57	6 15	1 12	4 36	2 24	17 11	0 46	6 20	1 52	32 21	10 5	18 0	17 40	20 4		n.a.
S 17	23 6	7 6	5 3	21 46	0 16	24 24	0 51	27 47	5 0	6 19	1 12	4 38	2 24	17 11	0 46	6 20	1 52	32 21	10 6	18 2	17 40	20 4		n.a.
S 18	23 12	11 44	5 5	22 18	0 27	24 30	0 53	27 48	5 3	6 22	1 12	4 40	2 24	17 12	0 46	6 20	1 52	32 21	10 6	18 4	17 41	20 5		n.a.
M19	23 17	15 46	4 48	22 48	0 37	24 35	0 55	27 49	5 6	6 26	1 12	4 41	2 24	17 12	0 46	6 20	1 52	32 22	10 6	18 6	17 42	20 6		n.a.
T 20	23 22	18 49	4 9	23 15	0 47	24 40	0 57	27 50	5 9	6 30	1 13	4 43	2 24	17 12	0 46	6 20	1 52	32 22	10 6	18 8	17 43	20 7		n.a.
W21	23 26	20 33	3 13	23 41	0 56	24 44	0 59	27 50	5 11	6 34	1 13	4 45	2 25	17 13	0 46	6 19	1 52	32 23	10 6	18 9	17 44	20 8		n.a.
T 22	23 30	20 47	2 4	24 4	1 4	24 46	1 0	27 50	5 14	6 37	1 13	4 47	2 25	17 13	0 46	6 19	1 52	32 23	10 7	18 10	17 45	20 8		n.a.
F 23	23 33	19 33	0 47	24 24	1 12	24 49	1 2	27 50	5 16	6 41	1 13	4 48	2 25	17 13	0 46	6 19	1 52	32 23	10 7	18 11	17 46	20 9		n.a.
S 24	23 37	17 2	0n31	24 42	1 19	24 50	1 4	27 50	5 18	6 45	1 13	4 50	2 25	17 14	0 46	6 19	1 52	32 24	10 7	18 11	17 47	20 10		n.a.
S 25	23 39	13 35	1 45	24 57	1 25	24 51	1 5	27 50	5 20	6 48	1 13	4 52	2 25	17 14	0 46	6 18	1 52	32 24	10 7	18 11	17 47	20 11		n.a.
M26	23 42	9 29	2 51	25 9	1 31	24 51	1 7	27 50	5 21	6 52	1 13	4 53	2 26	17 14	0 46	6 18	1 52	32 24	10 7	18 10	17 48	20 12		n.a.
T 27	23 43	5 3	3 46	25 19	1 35	24 50	1 9	27 49	5 23	6 55	1 14	4 55	2 26	17 15	0 46	6 18	1 52	32 25	10 7	18 10	17 49	20 12		n.a.
W28	23 45	0 31	4 28	25 25	1 39	24 48	1 10	27 49	5 25	6 58	1 14	4 56	2 26	17 15	0 46	6 18	1 52	32 25	10 8	18 10	17 50	20 13		n.a.
T 29	23 46	3s56	4 55	25 29	1 43	24 46	1 11	27 48	5 26	7 2	1 14	4 58	2 26	17 16	0 46	6 17	1 52	32 25	10 8	18 11	17 51	20 14		n.a.
F 30	23n46	8s 8	5n 9	25n30	1n45	24n43	1n13	27s48	5s27	7n 5	1s14	4n59	2s26	17s16	0s46	6n17	1n51	32s26	10s 8	18n12	17n52	20s15		n.a.

Julian Day Number = 1472473.5, Delta T = 05h29m45s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'12, Lahiri = -13°22'12 Julian Calendar 1 June 682 BCE == Greg. Calendar 25 May 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

JULY 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 4 55	0♋ 6'47	15♏58	4♋31	9♋37	10°R46	20♈55	18♈16	15°R 4	18♍36	18°R59	9°R 7	10♌24	27♐40	n.a.	S 1
S 2	18 8 51	1° 4'11	27°59	6°31	10°51	10♐35	21° 4	18°20	15♒ 3	18°37	18♑58	9♌ 0	10°21	27°47	n.a.	S 2
M 3	18 12 48	2° 1'37	9♐54	8°30	12° 5	10°24	21°13	18°24	15° 1	18°37	18°57	8°54	10°18	27°54	n.a.	M 3
T 4	18 16 44	2°59'04	21°45	10°27	13°19	10°14	21°21	18°28	15° 0	18°38	18°55	8°47	10°15	28° 0	n.a.	T 4
W 5	18 20 41	3°56'32	3♑35	12°23	14°33	10° 5	21°30	18°32	14°58	18°39	18°54	8°42	10°11	28° 7	n.a.	W 5
T 6	18 24 38	4°54'01	15°26	14°18	15°47	9°56	21°38	18°36	14°57	18°40	18°53	8°38	10° 8	28°14	n.a.	T 6
F 7	18 28 34	5°51'31	27°18	16°11	17° 1	9°48	21°46	18°39	14°55	18°41	18°52	8°36	10° 5	28°20	n.a.	F 7
S 8	18 32 31	6°49'03	9♒16	18° 3	18°15	9°41	21°54	18°43	14°53	18°42	18°50	8°D35	10° 2	28°27	n.a.	S 8
S 9	18 36 27	7°46'36	21°21	19°53	19°29	9°35	22° 2	18°46	14°51	18°43	18°49	8°36	9°59	28°34	n.a.	S 9
M10	18 40 24	8°44'11	3♓36	21°42	20°43	9°29	22° 9	18°50	14°50	18°44	18°48	8°37	9°56	28°40	n.a.	M10
T 11	18 44 20	9°41'47	16° 5	23°29	21°57	9°24	22°17	18°53	14°48	18°45	18°46	8°39	9°52	28°47	n.a.	T 11
W12	18 48 17	10°39'25	28°53	25°15	23°11	9°20	22°24	18°56	14°46	18°46	18°45	8°40	9°49	28°54	n.a.	W12
T 13	18 52 13	11°37'05	12♈ 2	26°59	24°25	9°17	22°31	18°59	14°44	18°47	18°44	8°R41	9°46	29° 1	n.a.	T 13
F 14	18 56 10	12°34'46	25°34	28°42	25°40	9°15	22°38	19° 2	14°42	18°48	18°42	8°40	9°43	29° 7	n.a.	F 14
S 15	19 0 7	13°32'29	9♉33	0♌23	26°54	9°13	22°45	19° 5	14°40	18°49	18°41	8°39	9°40	29°14	n.a.	S 15
S 16	19 4 3	14°30'14	23°57	2° 3	28° 8	9°12	22°52	19° 8	14°38	18°50	18°40	8°36	9°37	29°21	n.a.	S 16
M17	19 8 0	15°28'01	8♊43	3°42	29°22	9°D12	22°59	19°10	14°36	18°52	18°39	8°33	9°33	29°27	n.a.	M17
T 18	19 11 56	16°25'50	23°45	5°19	0♌36	9°13	23° 5	19°13	14°34	18°53	18°37	8°30	9°30	29°34	n.a.	T 18
W19	19 15 53	17°23'40	8♋54	6°54	1°50	9°15	23°12	19°15	14°32	18°54	18°36	8°28	9°27	29°41	n.a.	W19
T 20	19 19 49	18°21'32	24° 2	8°29	3° 4	9°17	23°18	19°17	14°30	18°55	18°35	8°26	9°24	29°47	n.a.	T 20
F 21	19 23 46	19°19'26	8♌58	10° 2	4°18	9°20	23°24	19°20	14°28	18°57	18°33	8°D26	9°21	29°54	n.a.	F 21
S 22	19 27 42	20°17'21	23°36	11°33	5°33	9°24	23°30	19°22	14°26	18°58	18°32	8°26	9°17	0♑ 1	n.a.	S 22
S 23	19 31 39	21°15'18	7♍49	13° 3	6°47	9°29	23°35	19°24	14°24	18°59	18°31	8°27	9°14	0° 7	n.a.	S 23
M24	19 35 36	22°13'16	21°36	14°32	8° 1	9°35	23°41	19°26	14°22	19° 1	18°29	8°28	9°11	0°14	n.a.	M24
T 25	19 39 32	23°11'15	4♎57	15°59	9°15	9°41	23°46	19°28	14°20	19° 2	18°28	8°30	9° 8	0°21	n.a.	T 25
W26	19 43 29	24° 9'16	17°53	17°25	10°29	9°49	23°51	19°29	14°17	19° 4	18°27	8°30	9° 5	0°27	n.a.	W26
T 27	19 47 25	25° 7'19	0♏29	18°49	11°43	9°57	23°56	19°31	14°15	19° 5	18°25	8°R30	9° 2	0°34	n.a.	T 27
F 28	19 51 22	26° 5'23	12°47	20°12	12°58	10° 6	24° 1	19°32	14°13	19° 7	18°24	8°30	8°58	0°41	n.a.	F 28
S 29	19 55 18	27° 3'28	24°53	21°33	14°12	10°15	24° 6	19°34	14°11	19° 8	18°23	8°29	8°55	0°47	n.a.	S 29
S 30	19 59 15	28° 1'35	6♐49	22°53	15°26	10°26	24°10	19°35	14° 8	19°10	18°21	8°27	8°52	0°54	n.a.	S 30
M31	20 3 11	28♋59'44	18♐41	24♌11	16♌40	10♐37	24♈14	19♈36	14♒ 6	19♍11	18♑20	8♌26	8♌49	1♑ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n47	11s56	5n 8	25n29	1n47	24n39	1n14	27s47	5s28	7n 8	1s14	5n 0	2s27	17s17	0s46	6n17	1n51	32s26	10s 8	18n14	17n53	20s16		n.a.
S 2	23 46	15 13	4 53	25 25	1 48	24 35	1 15	27 46	5 29	7 11	1 14	5 2	2 27	17 17	0 46	6 16	1 51	32 26	10 8	18 15	17 54	20 16		n.a.
M 3	23 46	17 51	4 26	25 19	1 49	24 29	1 17	27 45	5 30	7 14	1 14	5 3	2 27	17 18	0 46	6 16	1 51	32 27	10 8	18 17	17 54	20 17		n.a.
T 4	23 44	19 44	3 48	25 10	1 49	24 23	1 18	27 44	5 30	7 18	1 15	5 4	2 27	17 18	0 46	6 15	1 51	32 27	10 8	18 19	17 55	20 18		n.a.
W 5	23 43	20 44	2 59	24 59	1 48	24 17	1 19	27 43	5 31	7 21	1 15	5 6	2 28	17 19	0 46	6 15	1 51	32 27	10 9	18 20	17 56	20 19		n.a.
T 6	23 41	20 50	2 3	24 46	1 47	24 9	1 20	27 42	5 31	7 24	1 15	5 7	2 28	17 19	0 46	6 15	1 51	32 28	10 9	18 21	17 57	20 19		n.a.
F 7	23 39	19 59	1 1	24 31	1 45	24 1	1 21	27 41	5 31	7 26	1 15	5 8	2 28	17 20	0 46	6 14	1 51	32 28	10 9	18 22	17 58	20 20		n.a.
S 8	23 36	18 15	0s 4	24 15	1 43	23 52	1 22	27 40	5 31	7 29	1 15	5 9	2 28	17 20	0 46	6 14	1 51	32 28	10 9	18 22	17 59	20 21		n.a.
S 9	23 33	15 41	1 9	23 56	1 40	23 42	1 23	27 39	5 31	7 32	1 15	5 10	2 29	17 21	0 47	6 13	1 51	32 28	10 9	18 22	18 0	20 22		n.a.
M10	23 29	12 23	2 13	23 36	1 37	23 32	1 24	27 38	5 31	7 35	1 15	5 11	2 29	17 21	0 47	6 13	1 51	32 29	10 9	18 22	18 1	20 22		n.a.
T 11	23 25	8 30	3 11	23 14	1 33	23 21	1 24	27 37	5 30	7 37	1 16	5 12	2 29	17 22	0 47	6 12	1 51	32 29	10 9	18 21	18 1	20 23		n.a.
W12	23 20	4 8	4 2	22 51	1 29	23 9	1 25	27 36	5 30	7 40	1 16	5 13	2 29	17 22	0 47	6 12	1 51	32 29	10 9	18 21	18 2	20 24		n.a.
T 13	23 16	0n31	4 41	22 26	1 25	22 56	1 26	27 35	5 29	7 43	1 16	5 14	2 30	17 23	0 47	6 12	1 51	32 30	10 9	18 21	18 3	20 24		n.a.
F 14	23 10	5 16	5 6	22 1	1 20	22 43	1 26	27 33	5 29	7 45	1 16	5 15	2 30	17 24	0 47	6 11	1 51	32 30	10 10	18 21	18 4	20 25		n.a.
S 15	23 5	9 54	5 15	21 34	1 15	22 29	1 27	27 32	5 28	7 48	1 16	5 16	2 30	17 24	0 47	6 11	1 51	32 30	10 10	18 21	18 5	20 26		n.a.
S 16	22 58	14 7	5 3	21 6	1 9	22 15	1 27	27 31	5 27	7 50	1 16	5 17	2 30	17 25	0 47	6 10	1 51	32 31	10 10	18 22	18 6	20 27		n.a.
M17	22 52	17 35	4 32	20 37	1 3	22 0	1 27	27 30	5 26	7 52	1 17	5 17	2 31	17 25	0 47	6 10	1 51	32 31	10 10	18 23	18 7	20 27		n.a.
T 18	22 45	19 56	3 42	20 7	0 57	21 44	1 28	27 30	5 25	7 55	1 17	5 18	2 31	17 26	0 47	6 9	1 51	32 31	10 10	18 23	18 7	20 28		n.a.
W19	22 38	20 53	2 36	19 37	0 50	21 27	1 28	27 29	5 24	7 57	1 17	5 19	2 31	17 27	0 47	6 8	1 50	32 31	10 10	18 24	18 8	20 29		n.a.
T 20	22 30	20 19	1 19	19 6	0 43	21 10	1 28	27 28	5 23	7 59	1 17	5 19	2 31	17 27	0 47	6 8	1 50	32 32	10 10	18 25	18 9	20 29		n.a.
F 21	22 22	18 19	0n 3	18 34	0 36	20 53	1 28	27 27	5 21	8 1	1 17	5 20	2 32	17 28	0 47	6 7	1 50	32 32	10 10	18 25	18 10	20 30		n.a.
S 22	22 13	15 9	1 23	18 2	0 29	20 34	1 28	27 26	5 20	8 3	1 17	5 21	2 32	17 29	0 47	6 7	1 50	32 32	10 10	18 25	18 11	20 31		n.a.
S 23	22 4	11 9	2 35	17 29	0 22	20 16	1 28	27 26	5 18	8 5	1 18	5 21	2 32	17 29	0 47	6 6	1 50	32 32	10 10	18 24	18 12	20 31		n.a.
M24	21 55	6 41	3 37	16 55	0 14	19 56	1 28	27 25	5 17	8 7	1 18	5 22	2 32	17 30	0 47	6 6	1 50	32 33	10 10	18 24	18 13	20 32		n.a.
T 25	21 45	2 2	4 24	16 22	0 6	19 36	1 28	27 25	5 15	8 9	1 18	5 22	2 33	17 31	0 47	6 5	1 50	32 33	10 10	18 24	18 13	20 33		n.a.
W26	21 35	2s33	4 57	15 48	0s 2	19 16	1 28	27 24	5 14	8 10	1 18	5 23	2 33	17 31	0 47	6 4	1 50	32 33	10 10	18 23	18 14	20 33		n.a.
T 27	21 25	6 54	5 14	15 14	0 10	18 54	1 27	27 24	5 12	8 12	1 18	5 23	2 33	17 32	0 47	6 4	1 50	32 33	10 10	18 23	18 15	20 34		n.a.
F 28	21 14	10 53	5 16	14 39	0 19	18 33	1 27	27 23	5 10	8 14	1 19	5 23	2 33	17 33	0 47	6 3	1 50	32 33	10 10	18 24	18 16	20 35		n.a.
S 29	21 2	14 20	5 4	14 5	0 27	18 11	1 26	27 23	5 8	8 15	1 19	5 24	2 34	17 33	0 47	6 2	1 50	32 34	10 10	18 24	18 17	20 35		n.a.
S 30	20 51	17 10	4 39	13 31	0 36	17 48	1 26	27 23	5 7	8 17	1 19	5 24	2 34	17 34	0 47	6 2	1 50	32 34	10 10	18 24	18 18	20 36		n.a.
M31	20n39	19s16	4n 2	12n56	0s45	17n25	1n25	27s22	5s 5	8n18	1s19	5n24	2s34	17s35	0s47	6n 1	1n50	32s34	10s10	18n25	18n18	20s37		n.a.

Julian Day Number = 1472503.5, Delta T = 05h29m43s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'08, Lahiri = -13°22'08 Julian Calendar 1 July 682 BCE == Greg. Calendar 24 June 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

AUGUST 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 7 8	29♋57'55	0♉30	25♌28	17♌54	10♐49	24♈19	19♈37	14°R 4	19♍13	18°R19	8°R25	8♌46	1♉ 7	n.a.	T 1
W 2	20 11 5	0♌56'07	12°21	26°42	19° 8	11° 1	24°23	19°38	14♒ 1	19°14	18♉18	8♌24	8°43	1°14	n.a.	W 2
T 3	20 15 1	1°54'21	24°16	27°55	20°22	11°14	24°26	19°39	13°59	19°16	18°16	8°23	8°39	1°21	n.a.	T 3
F 4	20 18 58	2°52'37	6♒16	29° 6	21°36	11°28	24°30	19°40	13°57	19°18	18°15	8°D23	8°36	1°27	n.a.	F 4
S 5	20 22 54	3°50'55	18°24	0♍16	22°51	11°43	24°33	19°40	13°54	19°19	18°14	8°23	8°33	1°34	n.a.	S 5
S 6	20 26 51	4°49'15	0♓41	1°23	24° 5	11°58	24°36	19°41	13°52	19°21	18°12	8°23	8°30	1°41	n.a.	S 6
M 7	20 30 47	5°47'37	13°10	2°28	25°19	12°14	24°40	19°41	13°50	19°23	18°11	8°23	8°27	1°47	n.a.	M 7
T 8	20 34 44	6°46'01	25°52	3°30	26°33	12°30	24°42	19°42	13°47	19°25	18°10	8°24	8°23	1°54	n.a.	T 8
W 9	20 38 40	7°44'27	8♈48	4°30	27°47	12°48	24°45	19°42	13°45	19°26	18° 9	8°24	8°20	2° 1	n.a.	W 9
T 10	20 42 37	8°42'56	22° 2	5°28	29° 1	13° 5	24°47	19°R42	13°43	19°28	18° 8	8°R24	8°17	2° 7	n.a.	T 10
F 11	20 46 34	9°41'27	5♉33	6°23	0♍15	13°24	24°50	19°42	13°40	19°30	18° 6	8°D24	8°14	2°14	n.a.	F 11
S 12	20 50 30	10°40'00	19°24	7°14	1°29	13°42	24°52	19°42	13°38	19°32	18° 5	8°24	8°11	2°21	n.a.	S 12
S 13	20 54 27	11°38'35	3♊34	8° 3	2°43	14° 2	24°54	19°42	13°35	19°34	18° 4	8°24	8° 8	2°27	n.a.	S 13
M14	20 58 23	12°37'14	18° 2	8°48	3°58	14°22	24°55	19°41	13°33	19°36	18° 3	8°24	8° 4	2°34	n.a.	M14
T 15	21 2 20	13°35'54	2♋43	9°30	5°12	14°43	24°57	19°41	13°30	19°37	18° 2	8°25	8° 1	2°41	n.a.	T 15
W16	21 6 16	14°34'37	17°32	10° 7	6°26	15° 4	24°58	19°40	13°28	19°39	18° 0	8°25	7°58	2°48	n.a.	W16
T 17	21 10 13	15°33'22	2♌23	10°41	7°40	15°25	24°59	19°39	13°26	19°41	17°59	8°R25	7°55	2°54	n.a.	T 17
F 18	21 14 9	16°32'09	17° 9	11° 9	8°54	15°48	25° 0	19°39	13°23	19°43	17°58	8°25	7°52	3° 1	n.a.	F 18
S 19	21 18 6	17°30'58	1♍42	11°33	10° 8	16°10	25° 1	19°38	13°21	19°45	17°57	8°25	7°49	3° 8	n.a.	S 19
S 20	21 22 2	18°29'49	15°55	11°52	11°22	16°34	25° 1	19°37	13°18	19°47	17°56	8°24	7°45	3°14	n.a.	S 20
M21	21 25 59	19°28'42	29°46	12° 4	12°36	16°57	25° 2	19°36	13°16	19°49	17°55	8°23	7°42	3°21	n.a.	M21
T 22	21 29 56	20°27'37	13♎12	12°11	13°50	17°21	25°R 2	19°34	13°14	19°51	17°54	8°21	7°39	3°28	n.a.	T 22
W23	21 33 52	21°26'34	26°13	12°R11	15° 4	17°46	25° 2	19°33	13°11	19°53	17°53	8°20	7°36	3°34	n.a.	W23
T 24	21 37 49	22°25'33	8♏52	12° 4	16°18	18°11	25° 1	19°31	13° 9	19°55	17°52	8°19	7°33	3°41	n.a.	T 24
F 25	21 41 45	23°24'34	21°12	11°50	17°32	18°37	25° 1	19°30	13° 7	19°57	17°51	8°D18	7°29	3°48	n.a.	F 25
S 26	21 45 42	24°23'36	3♐18	11°29	18°46	19° 3	25° 0	19°28	13° 4	19°59	17°50	8°18	7°26	3°54	n.a.	S 26
S 27	21 49 38	25°22'41	15°13	11° 0	20° 0	19°29	24°59	19°26	13° 2	20° 1	17°49	8°19	7°23	4° 1	n.a.	S 27
M28	21 53 35	26°21'48	27° 4	10°23	21°14	19°56	24°58	19°25	13° 0	20° 3	17°48	8°21	7°20	4° 8	n.a.	M28
T 29	21 57 31	27°20'56	8♑53	9°39	22°28	20°23	24°57	19°23	12°57	20° 5	17°47	8°22	7°17	4°14	n.a.	T 29
W30	22 1 28	28°20'07	20°46	8°48	23°42	20°51	24°55	19°21	12°55	20° 8	17°46	8°24	7°14	4°21	n.a.	W30
T 31	22 5 25	29♌19'19	2♒46	7♍50	24♍56	21♐19	24♈53	19♈18	12♒53	20♍10	17♑45	8°R25	7♌10	4♑28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20n27	20s31	3n15	12n22	0s54	17n 1	1n25	27s22	5s 3	8n20	1s19	5n24	2s34	17s35	0s47	6n 0	1n50	32s34	10s10	18n25	18n19	20s37			n.a.
W 2	20 14	20 53	2 20	11 48	1 3	16 37	1 24	27 22	5 1	8 21	1 19	5 24	2 35	17 36	0 47	6 0	1 50	32 34	10 10	18 25	18 20	20 38			n.a.
T 3	20 1	20 17	1 18	11 14	1 12	16 13	1 23	27 22	4 59	8 22	1 20	5 24	2 35	17 37	0 47	5 59	1 50	32 35	10 10	18 25	18 21	20 39			n.a.
F 4	19 47	18 47	0 12	10 41	1 21	15 48	1 22	27 22	4 57	8 23	1 20	5 24	2 35	17 37	0 47	5 58	1 50	32 35	10 10	18 25	18 22	20 39			n.a.
S 5	19 34	16 24	0s55	10 8	1 30	15 22	1 21	27 22	4 55	8 24	1 20	5 24	2 35	17 38	0 47	5 58	1 50	32 35	10 10	18 25	18 23	20 40			n.a.
S 6	19 20	13 16	2 1	9 36	1 39	14 57	1 20	27 22	4 53	8 25	1 20	5 24	2 36	17 39	0 47	5 57	1 50	32 35	10 10	18 25	18 24	20 41			n.a.
M 7	19 5	9 29	3 1	9 4	1 48	14 30	1 19	27 22	4 50	8 26	1 20	5 24	2 36	17 40	0 47	5 56	1 50	32 35	10 10	18 25	18 24	20 41			n.a.
T 8	18 51	5 15	3 54	8 32	1 57	14 4	1 18	27 23	4 48	8 27	1 21	5 24	2 36	17 40	0 47	5 55	1 50	32 35	10 10	18 25	18 25	20 42			n.a.
W 9	18 35	0 41	4 36	8 2	2 7	13 37	1 17	27 23	4 46	8 28	1 21	5 24	2 36	17 41	0 47	5 55	1 50	32 36	10 10	18 25	18 26	20 42			n.a.
T 10	18 20	3n59	5 5	7 32	2 15	13 10	1 16	27 23	4 44	8 29	1 21	5 24	2 37	17 42	0 47	5 54	1 50	32 36	10 10	18 25	18 27	20 43			n.a.
F 11	18 4	8 35	5 17	7 4	2 24	12 42	1 15	27 23	4 42	8 29	1 21	5 24	2 37	17 42	0 47	5 53	1 50	32 36	10 10	18 25	18 28	20 44			n.a.
S 12	17 48	12 50	5 12	6 36	2 33	12 14	1 13	27 23	4 39	8 30	1 21	5 23	2 37	17 43	0 47	5 53	1 49	32 36	10 10	18 25	18 29	20 44			n.a.
S 13	17 32	16 27	4 48	6 10	2 42	11 46	1 12	27 23	4 37	8 31	1 21	5 23	2 37	17 44	0 47	5 52	1 49	32 36	10 10	18 25	18 29	20 45			n.a.
M14	17 15	19 10	4 5	5 46	2 50	11 17	1 10	27 24	4 35	8 31	1 22	5 23	2 38	17 44	0 47	5 51	1 49	32 36	10 10	18 25	18 30	20 45			n.a.
T 15	16 59	20 39	3 6	5 22	2 58	10 48	1 9	27 24	4 33	8 31	1 22	5 22	2 38	17 45	0 47	5 50	1 49	32 36	10 10	18 25	18 31	20 46			n.a.
W16	16 41	20 44	1 53	5 1	3 6	10 19	1 7	27 24	4 30	8 32	1 22	5 22	2 38	17 46	0 47	5 49	1 49	32 36	10 10	18 25	18 32	20 47			n.a.
T 17	16 24	19 22	0 33	4 41	3 13	9 49	1 5	27 24	4 28	8 32	1 22	5 21	2 38	17 47	0 47	5 49	1 49	32 37	10 10	18 25	18 33	20 47			n.a.
F 18	16 6	16 41	0n48	4 24	3 20	9 20	1 4	27 25	4 26	8 32	1 22	5 21	2 39	17 47	0 47	5 48	1 49	32 37	10 10	18 25	18 34	20 48			n.a.
S 19	15 48	12 58	2 6	4 9	3 27	8 50	1 2	27 25	4 23	8 32	1 23	5 20	2 39	17 48	0 47	5 47	1 49	32 37	10 10	18 25	18 34	20 48			n.a.
S 20	15 30	8 35	3 13	3 57	3 32	8 19	1 0	27 25	4 21	8 32	1 23	5 19	2 39	17 49	0 47	5 46	1 49	32 37	10 10	18 25	18 35	20 49			n.a.
M21	15 11	3 52	4 8	3 47	3 38	7 49	0 58	27 25	4 19	8 32	1 23	5 19	2 39	17 49	0 47	5 45	1 49	32 37	10 9	18 25	18 36	20 49			n.a.
T 22	14 52	0s53	4 47	3 40	3 42	7 18	0 56	27 25	4 16	8 32	1 23	5 18	2 40	17 50	0 47	5 45	1 49	32 37	10 9	18 26	18 37	20 50			n.a.
W23	14 33	5 27	5 10	3 37	3 45	6 47	0 54	27 25	4 14	8 32	1 23	5 17	2 40	17 51	0 47	5 44	1 49	32 37	10 9	18 26	18 38	20 51			n.a.
T 24	14 14	9 39	5 17	3 38	3 48	6 16	0 52	27 25	4 12	8 32	1 23	5 17	2 40	17 51	0 47	5 43	1 49	32 37	10 9	18 27	18 39	20 51			n.a.
F 25	13 54	13 21	5 9	3 42	3 49	5 45	0 50	27 25	4 9	8 31	1 24	5 16	2 40	17 52	0 47	5 42	1 49	32 37	10 9	18 27	18 39	20 52			n.a.
S 26	13 35	16 25	4 47	3 50	3 49	5 14	0 48	27 25	4 7	8 31	1 24	5 15	2 41	17 53	0 47	5 41	1 49	32 37	10 9	18 27	18 40	20 52			n.a.
S 27	13 15	18 45	4 13	4 3	3 47	4 42	0 45	27 25	4 5	8 30	1 24	5 14	2 41	17 53	0 47	5 40	1 49	32 37	10 9	18 26	18 41	20 53			n.a.
M28	12 54	20 15	3 29	4 20	3 44	4 11	0 43	27 25	4 2	8 30	1 24	5 13	2 41	17 54	0 47	5 40	1 49	32 37	10 9	18 26	18 42	20 53			n.a.
T 29	12 34	20 53	2 36	4 41	3 39	3 39	0 41	27 25	4 0	8 29	1 24	5 12	2 41	17 55	0 47	5 39	1 49	32 37	10 9	18 26	18 43	20 54			n.a.
W30	12 13	20 34	1 36	5 7	3 32	3 7	0 38	27 24	3 58	8 28	1 24	5 11	2 42	17 55	0 47	5 38	1 49	32 37	10 9	18 25	18 43	20 54			n.a.
T 31	11n52	19s19	0n31	5n37	3s23	2n35	0n36	27s24	3s55	8n28	1s25	5n10	2s42	17s56	0s47	5n37	1n49	32s37	10s 8	18n25	18n44	20s55			n.a.

Julian Day Number = 1472534.5, Delta T = 05h29m42s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'04, Lahiri = -13°22'04 Julian Calendar 1 Aug. 682 BCE == Greg. Calendar 25 July 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

SEPTEMBER 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 9 21	0♍18'33	14♒56	6°R47	26♍10	21♐47	24°R52	19°R16	12°R50	20♍12	17°R44	8°R24	7♌ 7	4♉34	n.a.	F 1
S 2	22 13 18	1°17'50	27°18	5♍40	27°24	22°16	24♈49	19♈14	12♒48	20°14	17♉43	8♌23	7° 4	4°41	n.a.	S 2
S 3	22 17 14	2°17'09	9♓52	4°31	28°38	22°45	24°47	19°11	12°46	20°16	17°42	8°21	7° 1	4°48	n.a.	S 3
M 4	22 21 11	3°16'29	22°41	3°20	29°52	23°14	24°45	19° 9	12°44	20°18	17°41	8°18	6°58	4°54	n.a.	M 4
T 5	22 25 7	4°15'53	5♈44	2°10	1♎ 6	23°44	24°42	19° 6	12°42	20°20	17°40	8°14	6°54	5° 1	n.a.	T 5
W 6	22 29 4	5°15'18	19° 0	1° 3	2°20	24°14	24°39	19° 3	12°39	20°23	17°40	8° 9	6°51	5° 8	n.a.	W 6
T 7	22 33 0	6°14'46	2♉28	0° 1	3°33	24°44	24°36	19° 0	12°37	20°25	17°39	8° 6	6°48	5°14	n.a.	T 7
F 8	22 36 57	7°14'16	16° 9	29♌ 6	4°47	25°15	24°33	18°57	12°35	20°27	17°38	8° 3	6°45	5°21	n.a.	F 8
S 9	22 40 53	8°13'49	0♊ 1	28°19	6° 1	25°46	24°29	18°54	12°33	20°29	17°37	8° 1	6°42	5°28	n.a.	S 9
S 10	22 44 50	9°13'24	14° 3	27°41	7°15	26°17	24°25	18°51	12°31	20°31	17°37	8°D 1	6°39	5°34	n.a.	S 10
M11	22 48 47	10°13'02	28°15	27°13	8°29	26°49	24°22	18°48	12°29	20°34	17°36	8° 2	6°35	5°41	n.a.	M11
T 12	22 52 43	11°12'42	12♋34	26°57	9°43	27°21	24°18	18°45	12°27	20°36	17°35	8° 3	6°32	5°48	n.a.	T 12
W13	22 56 40	12°12'25	26°58	26°D51	10°56	27°53	24°13	18°41	12°25	20°38	17°35	8° 5	6°29	5°54	n.a.	W13
T 14	23 0 36	13°12'10	11♌23	26°57	12°10	28°25	24° 9	18°38	12°23	20°40	17°34	8°R 5	6°26	6° 1	n.a.	T 14
F 15	23 4 33	14°11'57	25°45	27°13	13°24	28°58	24° 4	18°34	12°21	20°42	17°33	8° 4	6°23	6° 8	n.a.	F 15
S 16	23 8 29	15°11'46	9♍59	27°40	14°38	29°31	24° 0	18°31	12°19	20°45	17°33	8° 1	6°20	6°14	n.a.	S 16
S 17	23 12 26	16°11'38	24° 0	28°16	15°51	0♉ 4	23°55	18°27	12°17	20°47	17°32	7°56	6°16	6°21	n.a.	S 17
M18	23 16 22	17°11'31	7♎44	29° 0	17° 5	0°37	23°50	18°23	12°15	20°49	17°32	7°50	6°13	6°28	n.a.	M18
T 19	23 20 19	18°11'27	21° 7	29°53	18°19	1°11	23°44	18°19	12°13	20°51	17°31	7°43	6°10	6°34	n.a.	T 19
W20	23 24 15	19°11'24	4♏ 8	0♍53	19°33	1°45	23°39	18°15	12°12	20°54	17°31	7°36	6° 7	6°41	n.a.	W20
T 21	23 28 12	20°11'23	16°48	1°59	20°46	2°19	23°33	18°11	12°10	20°56	17°30	7°30	6° 4	6°48	n.a.	T 21
F 22	23 32 9	21°11'24	29°10	3°11	22° 0	2°53	23°27	18° 7	12° 8	20°58	17°30	7°25	6° 0	6°54	n.a.	F 22
S 23	23 36 5	22°11'27	11♐16	4°27	23°13	3°28	23°22	18° 3	12° 6	21° 0	17°29	7°23	5°57	7° 1	n.a.	S 23
S 24	23 40 2	23°11'32	23°12	5°48	24°27	4° 2	23°15	17°59	12° 5	21° 3	17°29	7°D22	5°54	7° 8	n.a.	S 24
M25	23 43 58	24°11'38	5♉ 2	7°12	25°41	4°37	23° 9	17°55	12° 3	21° 5	17°28	7°23	5°51	7°14	n.a.	M25
T 26	23 47 55	25°11'46	16°51	8°39	26°54	5°12	23° 3	17°50	12° 2	21° 7	17°28	7°24	5°48	7°21	n.a.	T 26
W27	23 51 51	26°11'56	28°45	10° 8	28° 8	5°48	22°56	17°46	12° 0	21° 9	17°28	7°25	5°45	7°28	n.a.	W27
T 28	23 55 48	27°12'08	10♒49	11°39	29°21	6°23	22°50	17°42	11°59	21°12	17°27	7°R25	5°41	7°34	n.a.	T 28
F 29	23 59 44	28°12'21	23° 6	13°12	0♏35	6°59	22°43	17°37	11°57	21°14	17°27	7°24	5°38	7°41	n.a.	F 29
S 30	0 3 41	29♍12'36	5♓40	14♍47	1♏48	7♉35	22♈36	17♈33	11♒56	21♍16	17♉27	7♌20	5♌35	7♉47	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n31	17s 9	0s36	6n11	3s12	2n 3	0n34	27s24	3s53	8n27	1s25	5n 9	2s42	17s57	0s47	5n36	1n49	32s37	10s 8	18n25	18n45	20s55		n.a.
S 2	11 10	14 11	1 42	6 48	2 59	1 31	0 31	27 23	3 51	8 26	1 25	5 8	2 42	17 57	0 47	5 35	1 49	32 37	10 8	18 25	18 46	20 56		n.a.
S 3	10 48	10 30	2 45	7 27	2 44	0 59	0 29	27 23	3 48	8 25	1 25	5 7	2 42	17 58	0 47	5 34	1 49	32 37	10 8	18 26	18 47	20 56		n.a.
M 4	10 27	6 18	3 40	8 8	2 27	0 27	0 26	27 22	3 46	8 24	1 25	5 6	2 43	17 59	0 47	5 34	1 49	32 37	10 8	18 27	18 48	20 57		n.a.
T 5	10 5	1 44	4 25	8 50	2 10	0s 5	0 23	27 21	3 44	8 23	1 25	5 4	2 43	17 59	0 47	5 33	1 49	32 37	10 8	18 28	18 48	20 57		n.a.
W 6	9 43	2n59	4 56	9 32	1 50	0 37	0 21	27 20	3 41	8 21	1 26	5 3	2 43	18 0	0 47	5 32	1 49	32 37	10 8	18 29	18 49	20 58		n.a.
T 7	9 21	7 37	5 12	10 13	1 31	1 10	0 18	27 19	3 39	8 20	1 26	5 2	2 43	18 0	0 47	5 31	1 49	32 37	10 7	18 30	18 50	20 58		n.a.
F 8	8 58	11 57	5 10	10 51	1 10	1 42	0 15	27 18	3 37	8 19	1 26	5 1	2 43	18 1	0 47	5 30	1 49	32 37	10 7	18 31	18 51	20 59		n.a.
S 9	8 36	15 42	4 51	11 27	0 50	2 14	0 13	27 17	3 35	8 17	1 26	4 59	2 44	18 2	0 47	5 29	1 49	32 37	10 7	18 31	18 52	20 59		n.a.
S 10	8 13	18 37	4 14	11 59	0 30	2 46	0 10	27 16	3 32	8 16	1 26	4 58	2 44	18 2	0 47	5 28	1 49	32 37	10 7	18 31	18 52	21 0		n.a.
M11	7 51	20 25	3 21	12 26	0 11	3 18	0 7	27 14	3 30	8 14	1 26	4 57	2 44	18 3	0 47	5 27	1 49	32 37	10 7	18 31	18 53	21 0		n.a.
T 12	7 28	20 56	2 15	12 49	0n 8	3 50	0 4	27 13	3 28	8 13	1 26	4 55	2 44	18 3	0 47	5 26	1 49	32 37	10 7	18 31	18 54	21 1		n.a.
W13	7 5	20 4	1 0	13 7	0 25	4 22	0 1	27 11	3 25	8 11	1 27	4 54	2 44	18 4	0 47	5 26	1 49	32 37	10 7	18 30	18 55	21 1		n.a.
T 14	6 41	17 54	0n18	13 20	0 41	4 54	0s 1	27 9	3 23	8 9	1 27	4 52	2 44	18 4	0 47	5 25	1 49	32 37	10 6	18 30	18 56	21 2		n.a.
F 15	6 18	14 36	1 35	13 28	0 55	5 26	0 4	27 7	3 21	8 7	1 27	4 51	2 45	18 5	0 47	5 24	1 49	32 37	10 6	18 30	18 56	21 2		n.a.
S 16	5 55	10 28	2 45	13 31	1 8	5 57	0 7	27 5	3 19	8 6	1 27	4 49	2 45	18 5	0 47	5 23	1 49	32 37	10 6	18 31	18 57	21 3		n.a.
S 17	5 31	5 50	3 44	13 29	1 20	6 29	0 10	27 3	3 17	8 4	1 27	4 48	2 45	18 6	0 47	5 22	1 49	32 37	10 6	18 32	18 58	21 3		n.a.
M18	5 8	1 0	4 28	13 23	1 30	7 0	0 13	27 1	3 14	8 2	1 27	4 46	2 45	18 7	0 47	5 21	1 49	32 37	10 6	18 34	18 59	21 4		n.a.
T 19	4 44	3s46	4 57	13 12	1 39	7 31	0 16	26 58	3 12	8 0	1 27	4 44	2 45	18 7	0 47	5 20	1 49	32 36	10 6	18 36	19 0	21 4		n.a.
W20	4 20	8 14	5 9	12 57	1 46	8 3	0 19	26 56	3 10	7 57	1 27	4 43	2 45	18 8	0 47	5 19	1 49	32 36	10 5	18 38	19 0	21 4		n.a.
T 21	3 56	12 13	5 6	12 39	1 52	8 33	0 22	26 53	3 8	7 55	1 27	4 41	2 45	18 8	0 47	5 18	1 49	32 36	10 5	18 39	19 1	21 5		n.a.
F 22	3 32	15 34	4 48	12 17	1 56	9 4	0 25	26 50	3 6	7 53	1 27	4 39	2 46	18 8	0 47	5 18	1 49	32 36	10 5	18 40	19 2	21 5		n.a.
S 23	3 8	18 12	4 17	11 52	2 0	9 35	0 28	26 47	3 3	7 51	1 27	4 38	2 46	18 9	0 47	5 17	1 49	32 36	10 5	18 41	19 3	21 6		n.a.
S 24	2 44	20 0	3 36	11 24	2 2	10 5	0 31	26 44	3 1	7 48	1 28	4 36	2 46	18 9	0 47	5 16	1 49	32 36	10 5	18 41	19 4	21 6		n.a.
M25	2 20	20 55	2 46	10 54	2 4	10 35	0 34	26 41	2 59	7 46	1 28	4 34	2 46	18 10	0 47	5 15	1 49	32 36	10 4	18 41	19 4	21 7		n.a.
T 26	1 56	20 54	1 49	10 22	2 5	11 5	0 37	26 37	2 57	7 44	1 28	4 33	2 46	18 10	0 47	5 14	1 49	32 36	10 4	18 41	19 5	21 7		n.a.
W27	1 32	19 56	0 47	9 47	2 4	11 34	0 40	26 33	2 55	7 41	1 28	4 31	2 46	18 11	0 47	5 13	1 49	32 35	10 4	18 40	19 6	21 7		n.a.
T 28	1 8	18 3	0s18	9 11	2 3	12 4	0 43	26 30	2 53	7 39	1 28	4 29	2 46	18 11	0 46	5 12	1 49	32 35	10 4	18 40	19 7	21 8		n.a.
F 29	0 43	15 19	1 24	8 34	2 2	12 33	0 46	26 26	2 51	7 36	1 28	4 27	2 46	18 11	0 46	5 11	1 49	32 35	10 4	18 41	19 8	21 8		n.a.
S 30	0n19	11s49	2s26	7n55	2n 0	13s 2	0s49	26s22	2s48	7n33	1s28	4n25	2s46	18s12	0s46	5n10	1n49	32s35	10s 3	18n42	19n 8	21s 9		n.a.

Julian Day Number = 1472565.5, Delta T = 05h29m40s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°29'00, Lahiri = -13°21'59 Julian Calendar 1 Sept. 682 BCE == Greg. Calendar 25 Aug. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

OCTOBER 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 7 38	0♎12'53	18♓32	16♍22	3♏ 2	8♑11	22°R29	17°R28	11°R54	21♍18	17°R27	7°R14	5♌32	7♑54	n.a.	S 1
M 2	0 11 34	1°13'11	1♈43	17°58	4°15	8°47	22♈22	17♈23	11♒53	21°21	17♑26	7♌ 6	5°29	8° 1	n.a.	M 2
T 3	0 15 31	2°13'31	15°11	19°34	5°28	9°23	22°15	17°19	11°52	21°23	17°26	6°57	5°25	8° 7	n.a.	T 3
W 4	0 19 27	3°13'54	28°53	21°12	6°42	9°59	22° 8	17°14	11°51	21°25	17°26	6°47	5°22	8°14	n.a.	W 4
T 5	0 23 24	4°14'18	12♉47	22°49	7°55	10°36	22° 0	17° 9	11°49	21°27	17°26	6°38	5°19	8°21	n.a.	T 5
F 6	0 27 20	5°14'44	26°49	24°26	9° 8	11°13	21°53	17° 4	11°48	21°29	17°26	6°30	5°16	8°27	n.a.	F 6
S 7	0 31 17	6°15'12	10♊55	26° 4	10°22	11°50	21°45	17° 0	11°47	21°32	17°26	6°25	5°13	8°34	n.a.	S 7
S 8	0 35 13	7°15'43	25° 2	27°42	11°35	12°27	21°37	16°55	11°46	21°34	17°26	6°23	5°10	8°41	n.a.	S 8
M 9	0 39 10	8°16'15	9♋ 9	29°19	12°48	13° 4	21°30	16°50	11°45	21°36	17°D26	6°D22	5° 6	8°47	n.a.	M 9
T 10	0 43 7	9°16'50	23°14	0♎57	14° 1	13°41	21°22	16°45	11°44	21°38	17°26	6°22	5° 3	8°54	n.a.	T 10
W11	0 47 3	10°17'26	7♌17	2°34	15°14	14°19	21°14	16°40	11°43	21°40	17°26	6°R23	5° 0	9° 1	n.a.	W11
T 12	0 51 0	11°18'04	21°16	4°11	16°28	14°56	21° 6	16°35	11°42	21°42	17°26	6°22	4°57	9° 7	n.a.	T 12
F 13	0 54 56	12°18'44	5♍11	5°48	17°41	15°34	20°58	16°30	11°41	21°45	17°26	6°19	4°54	9°14	n.a.	F 13
S 14	0 58 53	13°19'26	18°59	7°25	18°54	16°12	20°50	16°25	11°41	21°47	17°26	6°12	4°51	9°21	n.a.	S 14
S 15	1 2 49	14°20'10	2♎37	9° 1	20° 7	16°49	20°42	16°21	11°40	21°49	17°26	6° 4	4°47	9°27	n.a.	S 15
M16	1 6 46	15°20'55	16° 2	10°37	21°20	17°27	20°34	16°16	11°39	21°51	17°26	5°52	4°44	9°34	n.a.	M16
T 17	1 10 42	16°21'41	29°12	12°13	22°33	18° 6	20°25	16°11	11°38	21°53	17°27	5°40	4°41	9°41	n.a.	T 17
W18	1 14 39	17°22'29	12♏ 5	13°49	23°46	18°44	20°17	16° 6	11°38	21°55	17°27	5°27	4°38	9°47	n.a.	W18
T 19	1 18 35	18°23'19	24°41	15°25	24°59	19°22	20° 9	16° 1	11°37	21°57	17°27	5°15	4°35	9°54	n.a.	T 19
F 20	1 22 32	19°24'09	7♐ 0	17° 0	26°12	20° 1	20° 1	15°56	11°37	21°59	17°27	5° 6	4°31	10° 1	n.a.	F 20
S 21	1 26 29	20°25'01	19° 5	18°36	27°25	20°39	19°53	15°51	11°36	22° 1	17°28	4°59	4°28	10° 7	n.a.	S 21
S 22	1 30 25	21°25'54	1♑ 0	20°11	28°37	21°18	19°45	15°46	11°36	22° 3	17°28	4°55	4°25	10°14	n.a.	S 22
M23	1 34 22	22°26'49	12°48	21°46	29°50	21°57	19°36	15°41	11°36	22° 5	17°28	4°53	4°22	10°21	n.a.	M23
T 24	1 38 18	23°27'44	24°37	23°20	1♐ 3	22°35	19°28	15°36	11°35	22° 7	17°29	4°D53	4°19	10°27	n.a.	T 24
W25	1 42 15	24°28'40	6♒30	24°55	2°15	23°14	19°20	15°31	11°35	22° 9	17°29	4°R53	4°16	10°34	n.a.	W25
T 26	1 46 11	25°29'37	18°33	26°29	3°28	23°53	19°12	15°26	11°35	22°11	17°30	4°52	4°12	10°41	n.a.	T 26
F 27	1 50 8	26°30'35	0♓52	28° 4	4°41	24°32	19° 4	15°22	11°35	22°13	17°30	4°50	4° 9	10°47	n.a.	F 27
S 28	1 54 4	27°31'34	13°32	29°38	5°53	25°11	18°56	15°17	11°35	22°15	17°31	4°45	4° 6	10°54	n.a.	S 28
S 29	1 58 1	28°32'33	26°34	1♏12	7° 6	25°51	18°48	15°12	11°D35	22°17	17°31	4°37	4° 3	11° 1	n.a.	S 29
M30	2 1 58	29°33'34	10♈ 0	2°46	8°18	26°30	18°40	15° 7	11°35	22°19	17°32	4°26	4° 0	11° 7	n.a.	M30
T 31	2 5 54	0♏34'36	23♈50	4♏20	9♐30	27♑ 9	18♈32	15♈ 3	11♒35	22♍21	17♑32	4♌14	3♌57	11♑14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s 5	7s42	3s22	7n15	1n57	13s30	0s52	26s17	2s46	7n31	1s28	4n24	2s46	18s12	0s46	5n10	1n49	32s35	10s 3	18n43	19n 9	21s 9			n.a.
M 2	0 30	3 7	4 9	6 34	1 53	13 58	0 54	26 13	2 44	7 28	1 28	4 22	2 46	18 12	0 46	5 9	1 49	32 35	10 3	18 45	19 10	21 9			n.a.
T 3	0 54	1n43	4 44	5 52	1 50	14 26	0 57	26 8	2 42	7 25	1 28	4 20	2 47	18 13	0 46	5 8	1 49	32 34	10 3	18 48	19 11	21 10			n.a.
W 4	1 18	6 32	5 2	5 9	1 46	14 53	1 0	26 3	2 40	7 23	1 28	4 18	2 47	18 13	0 46	5 7	1 49	32 34	10 3	18 50	19 12	21 10			n.a.
T 5	1 42	11 5	5 3	4 26	1 41	15 20	1 3	25 58	2 38	7 20	1 28	4 16	2 47	18 13	0 46	5 6	1 49	32 34	10 2	18 53	19 12	21 10			n.a.
F 6	2 7	15 5	4 46	3 43	1 36	15 47	1 6	25 53	2 36	7 17	1 28	4 14	2 47	18 14	0 46	5 5	1 49	32 34	10 2	18 54	19 13	21 11			n.a.
S 7	2 31	18 14	4 12	2 59	1 31	16 13	1 9	25 48	2 34	7 14	1 28	4 12	2 47	18 14	0 46	5 4	1 49	32 34	10 2	18 56	19 14	21 11			n.a.
S 8	2 55	20 19	3 22	2 14	1 26	16 39	1 12	25 43	2 32	7 11	1 28	4 10	2 47	18 14	0 46	5 3	1 49	32 34	10 2	18 56	19 15	21 12			n.a.
M 9	3 19	21 8	2 20	1 30	1 20	17 5	1 14	25 37	2 30	7 8	1 28	4 9	2 47	18 15	0 46	5 3	1 49	32 33	10 2	18 57	19 15	21 12			n.a.
T 10	3 44	20 36	1 10	0 46	1 15	17 30	1 17	25 31	2 28	7 5	1 28	4 7	2 47	18 15	0 46	5 2	1 49	32 33	10 1	18 57	19 16	21 12			n.a.
W11	4 8	18 47	0n 5	0 1	1 9	17 54	1 20	25 25	2 26	7 2	1 28	4 5	2 47	18 15	0 46	5 1	1 49	32 33	10 1	18 56	19 17	21 13			n.a.
T 12	4 32	15 51	1 19	0s44	1 3	18 18	1 22	25 19	2 24	6 59	1 28	4 3	2 47	18 15	0 46	5 0	1 49	32 33	10 1	18 57	19 18	21 13			n.a.
F 13	4 56	12 1	2 27	1 28	0 56	18 42	1 25	25 13	2 22	6 56	1 28	4 1	2 47	18 15	0 46	4 59	1 49	32 32	10 1	18 57	19 19	21 13			n.a.
S 14	5 20	7 34	3 26	2 13	0 50	19 5	1 28	25 6	2 20	6 53	1 28	3 59	2 47	18 16	0 46	4 58	1 49	32 32	10 1	18 59	19 19	21 14			n.a.
S 15	5 44	2 48	4 13	2 57	0 44	19 28	1 30	24 59	2 18	6 50	1 28	3 57	2 47	18 16	0 46	4 58	1 49	32 32	10 0	19 1	19 20	21 14			n.a.
M16	6 8	2s 2	4 44	3 41	0 37	19 50	1 33	24 52	2 17	6 47	1 28	3 55	2 47	18 16	0 46	4 57	1 49	32 32	10 0	19 4	19 21	21 14			n.a.
T 17	6 31	6 41	5 0	4 25	0 31	20 12	1 35	24 45	2 15	6 44	1 28	3 53	2 47	18 16	0 46	4 56	1 49	32 32	10 0	19 7	19 22	21 15			n.a.
W18	6 55	10 55	5 0	5 9	0 24	20 33	1 38	24 38	2 13	6 41	1 27	3 52	2 47	18 16	0 46	4 55	1 49	32 31	10 0	19 10	19 22	21 15			n.a.
T 19	7 18	14 36	4 45	5 53	0 18	20 54	1 40	24 31	2 11	6 38	1 27	3 50	2 47	18 16	0 46	4 54	1 49	32 31	10 0	19 13	19 23	21 15			n.a.
F 20	7 42	17 34	4 17	6 36	0 11	21 14	1 42	24 23	2 9	6 35	1 27	3 48	2 47	18 17	0 46	4 54	1 49	32 31	9 59	19 16	19 24	21 16			n.a.
S 21	8 5	19 42	3 38	7 19	0 5	21 33	1 44	24 15	2 7	6 32	1 27	3 46	2 46	18 17	0 46	4 53	1 49	32 31	9 59	19 17	19 25	21 16			n.a.
S 22	8 28	20 57	2 50	8 1	0s 2	21 52	1 47	24 8	2 5	6 29	1 27	3 44	2 46	18 17	0 46	4 52	1 50	32 30	9 59	19 18	19 26	21 16			n.a.
M23	8 51	21 15	1 54	8 44	0 8	22 10	1 49	23 59	2 4	6 26	1 27	3 42	2 46	18 17	0 46	4 51	1 50	32 30	9 59	19 19	19 26	21 16			n.a.
T 24	9 14	20 37	0 54	9 25	0 15	22 28	1 51	23 51	2 2	6 23	1 27	3 40	2 46	18 17	0 46	4 51	1 50	32 30	9 59	19 19	19 27	21 17			n.a.
W25	9 37	19 3	0s 9	10 7	0 21	22 45	1 53	23 43	2 0	6 20	1 27	3 39	2 46	18 17	0 46	4 50	1 50	32 30	9 58	19 19	19 28	21 17			n.a.
T 26	10 0	16 37	1 12	10 47	0 28	23 1	1 55	23 34	1 58	6 17	1 27	3 37	2 46	18 17	0 46	4 49	1 50	32 29	9 58	19 19	19 29	21 17			n.a.
F 27	10 22	13 23	2 13	11 28	0 34	23 17	1 57	23 25	1 56	6 14	1 26	3 35	2 46	18 17	0 46	4 48	1 50	32 29	9 58	19 20	19 29	21 18			n.a.
S 28	10 44	9 28	3 9	12 8	0 40	23 32	1 59	23 16	1 55	6 11	1 26	3 33	2 46	18 17	0 46	4 48	1 50	32 29	9 58	19 21	19 30	21 18			n.a.
S 29	11 6	5 0	3 57	12 47	0 47	23 47	2 0	23 7	1 53	6 8	1 26	3 31	2 46	18 17	0 45	4 47	1 50	32 28	9 58	19 23	19 31	21 18			n.a.
M30	11 28	0 10	4 34	13 26	0 53	24 0	2 2	22 58	1 51	6 6	1 26	3 30	2 46	18 17	0 45	4 46	1 50	32 28	9 57	19 25	19 32	21 18			n.a.
T 31	11s50	4n48	4s55	14s 4	0s58	24s13	2s 4	22s49	1s49	6n 3	1s26	3n28	2s45	18s17	0s45	4n45	1n50	32s28	9s57	19n28	19n32	21s19			n.a.

Julian Day Number = 1472595.5, Delta T = 05h29m39s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'56, Lahiri = -13°21'55 Julian Calendar 1 Oct. 682 BCE == Greg. Calendar 24 Sept. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

NOVEMBER 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 9 51	1♏35'38	7♉58	5♏55	10♐43	27♑49	18°R24	14°R58	11♒35	22♍23	17♑33	4°R 1	3♌53	11♑21	n.a.	W 1
T 2	2 13 47	2°36'42	22°21	7°29	11°55	28°28	18♈17	14♈53	11°35	22°24	17°34	3♌49	3°50	11°27	n.a.	T 2
F 3	2 17 44	3°37'47	6♊51	9° 3	13° 7	29° 7	18° 9	14°49	11°35	22°26	17°34	3°39	3°47	11°34	n.a.	F 3
S 4	2 21 40	4°38'52	21°21	10°37	14°19	29°47	18° 1	14°44	11°36	22°28	17°35	3°32	3°44	11°41	n.a.	S 4
S 5	2 25 37	5°40'00	5♋47	12°11	15°31	0♒27	17°54	14°40	11°36	22°30	17°36	3°28	3°41	11°47	n.a.	S 5
M 6	2 29 33	6°41'08	20° 4	13°45	16°43	1° 6	17°47	14°35	11°36	22°31	17°36	3°26	3°37	11°54	n.a.	M 6
T 7	2 33 30	7°42'17	4♌10	15°19	17°55	1°46	17°39	14°31	11°37	22°33	17°37	3°25	3°34	12° 1	n.a.	T 7
W 8	2 37 27	8°43'27	18° 5	16°53	19° 7	2°26	17°32	14°27	11°37	22°35	17°38	3°25	3°31	12° 7	n.a.	W 8
T 9	2 41 23	9°44'39	1♍49	18°27	20°19	3° 6	17°25	14°23	11°38	22°37	17°39	3°24	3°28	12°14	n.a.	T 9
F 10	2 45 20	10°45'51	15°23	20° 2	21°31	3°46	17°18	14°18	11°38	22°38	17°40	3°20	3°25	12°20	n.a.	F 10
S 11	2 49 16	11°47'04	28°46	21°36	22°42	4°25	17°11	14°14	11°39	22°40	17°40	3°14	3°22	12°27	n.a.	S 11
S 12	2 53 13	12°48'18	11♎59	23°10	23°54	5° 5	17° 5	14°10	11°40	22°41	17°41	3° 4	3°18	12°34	n.a.	S 12
M13	2 57 9	13°49'32	25° 1	24°45	25° 5	5°45	16°58	14° 6	11°40	22°43	17°42	2°52	3°15	12°40	n.a.	M13
T 14	3 1 6	14°50'47	7♏51	26°19	26°17	6°26	16°52	14° 2	11°41	22°45	17°43	2°38	3°12	12°47	n.a.	T 14
W15	3 5 3	15°52'03	20°29	27°53	27°28	7° 6	16°45	13°59	11°42	22°46	17°44	2°24	3° 9	12°54	n.a.	W15
T 16	3 8 59	16°53'19	2♐53	29°27	28°40	7°46	16°39	13°55	11°43	22°48	17°45	2°11	3° 6	13° 0	n.a.	T 16
F 17	3 12 56	17°54'36	15° 5	1♐ 1	29°51	8°26	16°33	13°51	11°44	22°49	17°46	2° 0	3° 2	13° 7	n.a.	F 17
S 18	3 16 52	18°55'53	27° 5	2°34	1♑ 2	9° 6	16°28	13°48	11°45	22°51	17°47	1°52	2°59	13°14	n.a.	S 18
S 19	3 20 49	19°57'10	8♑57	4° 8	2°13	9°46	16°22	13°44	11°46	22°52	17°48	1°47	2°56	13°20	n.a.	S 19
M20	3 24 45	20°58'27	20°45	5°41	3°24	10°27	16°16	13°41	11°47	22°53	17°49	1°44	2°53	13°27	n.a.	M20
T 21	3 28 42	21°59'44	2♒31	7°13	4°35	11° 7	16°11	13°37	11°48	22°55	17°50	1°D44	2°50	13°34	n.a.	T 21
W22	3 32 38	23° 1'01	14°22	8°45	5°45	11°47	16° 6	13°34	11°49	22°56	17°51	1°44	2°47	13°40	n.a.	W22
T 23	3 36 35	24° 2'18	26°23	10°15	6°56	12°28	16° 1	13°31	11°50	22°57	17°52	1°R44	2°43	13°47	n.a.	T 23
F 24	3 40 32	25° 3'35	8♓39	11°45	8° 6	13° 8	15°56	13°28	11°52	22°59	17°54	1°43	2°40	13°54	n.a.	F 24
S 25	3 44 28	26° 4'51	21°17	13°13	9°17	13°49	15°51	13°25	11°53	23° 0	17°55	1°40	2°37	14° 0	n.a.	S 25
S 26	3 48 25	27° 6'08	4♈19	14°40	10°27	14°29	15°47	13°22	11°54	23° 1	17°56	1°35	2°34	14° 7	n.a.	S 26
M27	3 52 21	28° 7'24	17°49	16° 5	11°37	15°10	15°43	13°19	11°56	23° 2	17°57	1°27	2°31	14°14	n.a.	M27
T 28	3 56 18	29° 8'39	1♉46	17°28	12°47	15°50	15°39	13°17	11°57	23° 4	17°58	1°17	2°28	14°20	n.a.	T 28
W29	4 0 14	0♐ 9'55	16° 9	18°48	13°57	16°31	15°35	13°14	11°59	23° 5	18° 0	1° 7	2°24	14°27	n.a.	W29
T 30	4 4 11	1♐11'10	0♊52	20♐ 5	15♑ 7	17♒11	15♈31	13♈12	12♒ 0	23♍ 6	18♑ 1	0♌57	2♌21	14♑34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s12	9n39	5s 0	14s41	1s 4	24s26	2s 5	22s39	1s48	6n 0	1s26	3n26	2s45	18s17	0s45	4n45	1n50	32s28	9s57	19n31	19n33	21s19		n.a.
T 2	12 33	14 1	4 45	15 18	1 10	24 38	2 7	22 29	1 46	5 57	1 25	3 25	2 45	18 17	0 45	4 44	1 50	32 27	9 57	19 34	19 34	21 19		n.a.
F 3	12 54	17 37	4 12	15 54	1 15	24 49	2 8	22 19	1 44	5 54	1 25	3 23	2 45	18 16	0 45	4 43	1 50	32 27	9 57	19 36	19 35	21 19		n.a.
S 4	13 15	20 7	3 23	16 29	1 21	24 59	2 9	22 9	1 43	5 52	1 25	3 21	2 45	18 16	0 45	4 43	1 50	32 27	9 56	19 38	19 35	21 20		n.a.
S 5	13 36	21 18	2 21	17 4	1 26	25 8	2 11	21 59	1 41	5 49	1 25	3 20	2 45	18 16	0 45	4 42	1 50	32 26	9 56	19 39	19 36	21 20		n.a.
M 6	13 56	21 6	1 10	17 38	1 31	25 17	2 12	21 48	1 39	5 46	1 25	3 18	2 45	18 16	0 45	4 41	1 50	32 26	9 56	19 40	19 37	21 20		n.a.
T 7	14 16	19 33	0n 4	18 11	1 36	25 25	2 13	21 38	1 38	5 44	1 24	3 17	2 44	18 16	0 45	4 41	1 50	32 26	9 56	19 40	19 38	21 20		n.a.
W 8	14 36	16 50	1 17	18 43	1 40	25 33	2 14	21 27	1 36	5 41	1 24	3 15	2 44	18 16	0 45	4 40	1 50	32 26	9 56	19 40	19 38	21 20		n.a.
T 9	14 56	13 13	2 24	19 14	1 45	25 39	2 15	21 16	1 34	5 39	1 24	3 14	2 44	18 16	0 45	4 39	1 50	32 25	9 55	19 40	19 39	21 21		n.a.
F 10	15 16	8 56	3 22	19 44	1 49	25 45	2 15	21 5	1 33	5 36	1 24	3 12	2 44	18 15	0 45	4 39	1 50	32 25	9 55	19 41	19 40	21 21		n.a.
S 11	15 35	4 17	4 9	20 14	1 53	25 50	2 16	20 54	1 31	5 34	1 23	3 11	2 44	18 15	0 45	4 38	1 50	32 25	9 55	19 43	19 41	21 21		n.a.
S 12	15 54	0s30	4 41	20 42	1 56	25 54	2 17	20 43	1 30	5 31	1 23	3 9	2 44	18 15	0 45	4 38	1 50	32 24	9 55	19 45	19 41	21 21		n.a.
M13	16 13	5 12	4 58	21 9	1 59	25 58	2 17	20 31	1 28	5 29	1 23	3 8	2 43	18 15	0 45	4 37	1 50	32 24	9 55	19 48	19 42	21 21		n.a.
T 14	16 31	9 36	4 59	21 35	2 2	26 1	2 17	20 19	1 26	5 27	1 23	3 7	2 43	18 14	0 45	4 36	1 51	32 24	9 54	19 51	19 43	21 22		n.a.
W15	16 49	13 32	4 46	22 0	2 5	26 3	2 18	20 8	1 25	5 25	1 22	3 5	2 43	18 14	0 45	4 36	1 51	32 23	9 54	19 54	19 44	21 22		n.a.
T 16	17 7	16 47	4 19	22 23	2 7	26 4	2 18	19 56	1 23	5 22	1 22	3 4	2 43	18 14	0 45	4 35	1 51	32 23	9 54	19 57	19 44	21 22		n.a.
F 17	17 24	19 16	3 41	22 45	2 9	26 5	2 18	19 43	1 22	5 20	1 22	3 3	2 42	18 14	0 45	4 35	1 51	32 23	9 54	20 0	19 45	21 22		n.a.
S 18	17 42	20 52	2 53	23 6	2 11	26 4	2 18	19 31	1 20	5 18	1 22	3 2	2 42	18 13	0 45	4 34	1 51	32 23	9 54	20 1	19 46	21 22		n.a.
S 19	17 59	21 30	1 58	23 25	2 11	26 3	2 18	19 19	1 19	5 16	1 21	3 1	2 42	18 13	0 45	4 34	1 51	32 22	9 54	20 3	19 47	21 23		n.a.
M20	18 15	21 11	0 58	23 43	2 12	26 2	2 18	19 6	1 17	5 14	1 21	2 59	2 42	18 13	0 45	4 33	1 51	32 22	9 53	20 3	19 47	21 23		n.a.
T 21	18 31	19 57	0s 4	23 59	2 12	25 59	2 17	18 54	1 16	5 13	1 21	2 58	2 42	18 12	0 45	4 33	1 51	32 22	9 53	20 3	19 48	21 23		n.a.
W22	18 47	17 49	1 7	24 14	2 11	25 56	2 17	18 41	1 14	5 11	1 21	2 57	2 41	18 12	0 45	4 32	1 51	32 21	9 53	20 3	19 49	21 23		n.a.
T 23	19 3	14 54	2 8	24 27	2 10	25 52	2 16	18 28	1 13	5 9	1 20	2 56	2 41	18 11	0 45	4 32	1 51	32 21	9 53	20 3	19 50	21 23		n.a.
F 24	19 18	11 16	3 4	24 38	2 8	25 47	2 16	18 15	1 12	5 8	1 20	2 55	2 41	18 11	0 45	4 31	1 51	32 21	9 53	20 3	19 50	21 23		n.a.
S 25	19 33	7 3	3 52	24 47	2 6	25 41	2 15	18 2	1 10	5 6	1 20	2 54	2 41	18 11	0 45	4 31	1 51	32 20	9 53	20 4	19 51	21 23		n.a.
S 26	19 47	2 24	4 31	24 55	2 3	25 35	2 14	17 49	1 9	5 5	1 19	2 53	2 40	18 10	0 44	4 30	1 51	32 20	9 53	20 5	19 52	21 24		n.a.
M27	20 1	2n32	4 56	25 0	1 59	25 28	2 13	17 35	1 7	5 3	1 19	2 53	2 40	18 10	0 44	4 30	1 51	32 20	9 52	20 7	19 53	21 24		n.a.
T 28	20 15	7 30	5 4	25 4	1 54	25 21	2 12	17 22	1 6	5 2	1 19	2 52	2 40	18 9	0 44	4 30	1 51	32 19	9 52	20 9	19 53	21 24		n.a.
W29	20 28	12 13	4 54	25 6	1 48	25 12	2 11	17 8	1 4	5 1	1 18	2 51	2 40	18 9	0 44	4 29	1 51	32 19	9 52	20 11	19 54	21 24		n.a.
T 30	20s41	16n19	4s24	25s 5	1s42	25s 3	2s10	16s54	1s 3	5n 0	1s18	2n50	2s39	18s 8	0s44	4n29	1n51	32s19	9s52	20n14	19n55	21s24		n.a.

Julian Day Number = 1472626.5, Delta T = 05h29m37s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'52, Lahiri = -13°21'51 Julian Calendar 1 Nov. 682 BCE == Greg. Calendar 25 Oct. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 682 BCE
geocentric

DECEMBER 682 BCE (-681) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 8 7	2♐12'26	15♊46	21♐18	16♑16	17♒52	15°R28	13°R 9	12♒ 2	23♍ 7	18♑ 2	0°R49	2♌18	14♑40	n.a.	F 1
S 2	4 12 4	3°13'41	0♋43	22°27	17°25	18°32	15♈24	13♈ 7	12° 4	23° 8	18° 3	0♌43	2°15	14°47	n.a.	S 2
S 3	4 16 1	4°14'56	15°34	23°31	18°35	19°13	15°21	13° 5	12° 5	23° 9	18° 5	0°39	2°12	14°54	n.a.	S 3
M 4	4 19 57	5°16'11	0♌13	24°29	19°44	19°53	15°18	13° 3	12° 7	23°10	18° 6	0°D38	2° 8	15° 0	n.a.	M 4
T 5	4 23 54	6°17'26	14°35	25°20	20°53	20°34	15°16	13° 1	12° 9	23°11	18° 7	0°39	2° 5	15° 7	n.a.	T 5
W 6	4 27 50	7°18'41	28°37	26° 4	22° 2	21°14	15°13	12°59	12°11	23°12	18° 9	0°40	2° 2	15°13	n.a.	W 6
T 7	4 31 47	8°19'56	12♍21	26°39	23°10	21°55	15°11	12°57	12°13	23°13	18°10	0°R40	1°59	15°20	n.a.	T 7
F 8	4 35 43	9°21'10	25°47	27° 6	24°19	22°36	15° 9	12°55	12°15	23°13	18°12	0°39	1°56	15°27	n.a.	F 8
S 9	4 39 40	10°22'25	8♎56	27°22	25°27	23°16	15° 7	12°54	12°17	23°14	18°13	0°35	1°53	15°33	n.a.	S 9
S 10	4 43 37	11°23'39	21°51	27°R27	26°35	23°57	15° 5	12°53	12°19	23°15	18°14	0°29	1°49	15°40	n.a.	S 10
M11	4 47 33	12°24'53	4♏33	27°20	27°43	24°37	15° 3	12°51	12°21	23°16	18°16	0°21	1°46	15°47	n.a.	M11
T 12	4 51 30	13°26'06	17° 3	27° 2	28°51	25°18	15° 2	12°50	12°23	23°17	18°17	0°12	1°43	15°53	n.a.	T 12
W13	4 55 26	14°27'19	29°23	26°32	29°58	25°59	15° 1	12°49	12°25	23°17	18°19	0° 3	1°40	16° 0	n.a.	W13
T 14	4 59 23	15°28'31	11♐34	25°51	1♒ 5	26°39	15° 0	12°48	12°27	23°18	18°20	29♋54	1°37	16° 7	n.a.	T 14
F 15	5 3 19	16°29'43	23°35	25° 0	2°13	27°20	14°59	12°47	12°29	23°19	18°22	29°47	1°34	16°13	n.a.	F 15
S 16	5 7 16	17°30'54	5♑29	23°59	3°19	28° 1	14°59	12°46	12°32	23°19	18°23	29°42	1°30	16°20	n.a.	S 16
S 17	5 11 12	18°32'04	17°18	22°51	4°26	28°41	14°59	12°46	12°34	23°20	18°25	29°39	1°27	16°27	n.a.	S 17
M18	5 15 9	19°33'13	29° 5	21°38	5°32	29°22	14°D59	12°45	12°36	23°20	18°26	29°D38	1°24	16°33	n.a.	M18
T 19	5 19 6	20°34'21	10♒51	20°21	6°39	0♓ 3	14°59	12°45	12°39	23°21	18°28	29°39	1°21	16°40	n.a.	T 19
W20	5 23 2	21°35'28	22°42	19° 4	7°45	0°43	14°59	12°45	12°41	23°21	18°30	29°40	1°18	16°47	n.a.	W20
T 21	5 26 59	22°36'33	4♓42	17°49	8°50	1°24	15° 0	12°44	12°43	23°22	18°31	29°42	1°14	16°53	n.a.	T 21
F 22	5 30 55	23°37'38	16°56	16°37	9°56	2° 5	15° 1	12°D44	12°46	23°22	18°33	29°43	1°11	17° 0	n.a.	F 22
S 23	5 34 52	24°38'41	29°29	15°31	11° 1	2°45	15° 1	12°44	12°48	23°22	18°34	29°R43	1° 8	17° 7	n.a.	S 23
S 24	5 38 48	25°39'42	12♈25	14°32	12° 6	3°26	15° 3	12°45	12°51	23°23	18°36	29°42	1° 5	17°13	n.a.	S 24
M25	5 42 45	26°40'43	25°48	13°40	13°10	4° 7	15° 4	12°45	12°54	23°23	18°38	29°39	1° 2	17°20	n.a.	M25
T 26	5 46 41	27°41'41	9♉40	12°57	14°14	4°47	15° 6	12°45	12°56	23°23	18°39	29°35	0°59	17°27	n.a.	T 26
W27	5 50 38	28°42'39	24° 0	12°23	15°18	5°28	15° 7	12°46	12°59	23°23	18°41	29°30	0°55	17°33	n.a.	W27
T 28	5 54 35	29°43'35	8♊45	11°57	16°22	6° 9	15° 9	12°46	13° 2	23°24	18°43	29°26	0°52	17°40	n.a.	T 28
F 29	5 58 31	0♑44'30	23°48	11°40	17°25	6°49	15°12	12°47	13° 4	23°24	18°44	29°22	0°49	17°46	n.a.	F 29
S 30	6 2 28	1°45'24	9♋ 0	11°32	18°28	7°30	15°14	12°48	13° 7	23°24	18°46	29°19	0°46	17°53	n.a.	S 30
S 31	6 6 24	2♑46'17	24♋11	11°D31	19♒30	8♓11	15♈17	12♈49	13♒10	23♍24	18♑48	29°D18	0♌43	18♑ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20s54	19n25	3s36	25s 3	1s34	24s53	2s 8	16s40	1s 2	4n58	1s18	2n50	2s39	18s 8	0s44	4n28	1n52	32s18	9s52	20n16	19n55	21s24		n.a.	
S 2	21 6	21 13	2 33	24 59	1 25	24 43	2 6	16 26	1 0	4 57	1 18	2 49	2 39	18 7	0 44	4 28	1 52	32 18	9 52	20 17	19 56	21 24		n.a.	
S 3	21 18	21 32	1 20	24 52	1 15	24 32	2 5	16 12	0 59	4 57	1 17	2 48	2 38	18 7	0 44	4 28	1 52	32 18	9 52	20 18	19 57	21 24		n.a.	
M 4	21 29	20 21	0 2	24 44	1 5	24 20	2 3	15 58	0 58	4 56	1 17	2 48	2 38	18 6	0 44	4 27	1 52	32 18	9 52	20 18	19 58	21 24		n.a.	
T 5	21 40	17 52	1n14	24 34	0 52	24 7	2 1	15 44	0 56	4 55	1 17	2 47	2 38	18 6	0 44	4 27	1 52	32 17	9 51	20 18	19 58	21 25		n.a.	
W 6	21 50	14 22	2 25	24 22	0 39	23 54	1 59	15 29	0 55	4 54	1 16	2 47	2 38	18 5	0 44	4 27	1 52	32 17	9 51	20 17	19 59	21 25		n.a.	
T 7	22 0	10 10	3 25	24 9	0 25	23 40	1 57	15 15	0 54	4 54	1 16	2 47	2 37	18 5	0 44	4 26	1 52	32 17	9 51	20 17	20 0	21 25		n.a.	
F 8	22 10	5 33	4 13	23 54	0 9	23 26	1 54	15 0	0 52	4 53	1 16	2 46	2 37	18 4	0 44	4 26	1 52	32 16	9 51	20 18	20 1	21 25		n.a.	
S 9	22 19	0 47	4 46	23 37	0n 8	23 11	1 52	14 45	0 51	4 53	1 15	2 46	2 37	18 4	0 44	4 26	1 52	32 16	9 51	20 18	20 1	21 25		n.a.	
S 10	22 28	3s56	5 4	23 20	0 25	22 55	1 49	14 31	0 50	4 52	1 15	2 46	2 36	18 3	0 44	4 26	1 52	32 16	9 51	20 20	20 2	21 25		n.a.	
M11	22 36	8 24	5 7	23 1	0 44	22 39	1 47	14 16	0 49	4 52	1 15	2 45	2 36	18 2	0 44	4 25	1 52	32 15	9 51	20 21	20 3	21 25		n.a.	
T 12	22 44	12 28	4 54	22 41	1 3	22 22	1 44	14 1	0 47	4 52	1 14	2 45	2 36	18 2	0 44	4 25	1 52	32 15	9 51	20 23	20 3	21 25		n.a.	
W13	22 51	15 56	4 29	22 21	1 22	22 5	1 41	13 45	0 46	4 52	1 14	2 45	2 35	18 1	0 44	4 25	1 52	32 15	9 51	20 25	20 4	21 25		n.a.	
T 14	22 58	18 41	3 51	22 1	1 42	21 47	1 38	13 30	0 45	4 52	1 14	2 45	2 35	18 0	0 44	4 25	1 52	32 14	9 50	20 27	20 5	21 25		n.a.	
F 15	23 5	20 34	3 3	21 40	2 1	21 29	1 35	13 15	0 44	4 52	1 13	2 45	2 35	18 0	0 44	4 25	1 52	32 14	9 50	20 29	20 6	21 25		n.a.	
S 16	23 11	21 32	2 7	21 20	2 19	21 10	1 31	13 0	0 42	4 52	1 13	2 45	2 35	17 59	0 44	4 24	1 53	32 14	9 50	20 30	20 6	21 25		n.a.	
S 17	23 16	21 32	1 7	21 0	2 35	20 51	1 28	12 44	0 41	4 52	1 13	2 45	2 34	17 58	0 44	4 24	1 53	32 13	9 50	20 31	20 7	21 25		n.a.	
M18	23 21	20 35	0 3	20 40	2 50	20 31	1 24	12 29	0 40	4 52	1 12	2 45	2 34	17 58	0 44	4 24	1 53	32 13	9 50	20 31	20 8	21 25		n.a.	
T 19	23 26	18 44	1s 1	20 22	3 4	20 10	1 21	12 13	0 39	4 53	1 12	2 45	2 34	17 57	0 44	4 24	1 53	32 13	9 50	20 31	20 8	21 25		n.a.	
W20	23 30	16 4	2 3	20 5	3 14	19 50	1 17	11 57	0 38	4 53	1 12	2 45	2 33	17 56	0 44	4 24	1 53	32 13	9 50	20 30	20 9	21 25		n.a.	
T 21	23 34	12 42	3 0	19 51	3 23	19 28	1 13	11 42	0 37	4 54	1 11	2 45	2 33	17 56	0 44	4 24	1 53	32 12	9 50	20 30	20 10	21 25		n.a.	
F 22	23 37	8 45	3 50	19 38	3 29	19 7	1 9	11 26	0 35	4 54	1 11	2 46	2 33	17 55	0 44	4 24	1 53	32 12	9 50	20 30	20 11	21 25		n.a.	
S 23	23 40	4 20	4 31	19 27	3 32	18 45	1 4	11 10	0 34	4 55	1 11	2 46	2 32	17 54	0 44	4 24	1 53	32 12	9 50	20 30	20 11	21 25		n.a.	
S 24	23 42	0n24	4 59	19 20	3 34	18 22	1 0	10 54	0 33	4 56	1 10	2 46	2 32	17 53	0 44	4 23	1 53	32 11	9 50	20 30	20 12	21 25		n.a.	
M25	23 44	5 16	5 12	19 14	3 33	17 59	0 56	10 38	0 32	4 56	1 10	2 47	2 32	17 53	0 44	4 23	1 53	32 11	9 50	20 31	20 13	21 25		n.a.	
T 26	23 45	10 2	5 8	19 12	3 30	17 36	0 51	10 22	0 31	4 57	1 10	2 47	2 31	17 52	0 44	4 23	1 53	32 11	9 50	20 31	20 13	21 25		n.a.	
W27	23 46	14 26	4 45	19 11	3 26	17 12	0 46	10 6	0 30	4 58	1 9	2 48	2 31	17 51	0 44	4 23	1 53	32 11	9 50	20 32	20 14	21 25		n.a.	
T 28	23 47	18 4	4 3	19 14	3 20	16 49	0 41	9 50	0 29	4 59	1 9	2 48	2 31	17 50	0 44	4 23	1 53	32 10	9 50	20 33	20 15	21 25		n.a.	
F 29	23 46	20 35	3 3	19 18	3 14	16 24	0 36	9 33	0 28	5 1	1 9	2 49	2 30	17 49	0 44	4 23	1 53	32 10	9 50	20 34	20 15	21 25		n.a.	
S 30	23 46	21 39	1 49	19 25	3 6	16 0	0 31	9 17	0 27	5 2	1 8	2 50	2 30	17 49	0 43	4 23	1 53	32 10	9 50	20 35	20 16	21 25		n.a.	
S 31	23s45	21n 7	0s28	19s33	2n57	15s35	0s26	9s 1	0s26	5n 3	1s 8	2n50	2s30	17s48	0s43	4n23	1n54	32s 9	9s50	20n35	20n17	21s25		n.a.	

Julian Day Number = 1472656.5, Delta T = 05h29m36s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'48, Lahiri = -13°21'47 Julian Calendar 1 Dec. 682 BCE == Greg. Calendar 24 Nov. 682 BCE

The year -681 astronomical counting style corresponds to year 682 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

JANUARY 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 10 21	3♉47'08	9♌12	11♐38	20♒32	8♓51	15♈19	12♈50	13♒13	23♍24	18♉49	29♋18	0♌40	18♉ 6	n.a.	M 1
T 2	6 14 17	4°47'58	23°55	11°51	21°34	9°32	15°22	12°51	13°15	23°R24	18°51	29°19	0°36	18°13	n.a.	T 2
W 3	6 18 14	5°48'47	8♍15	12°11	22°35	10°12	15°25	12°53	13°18	23°24	18°53	29°21	0°33	18°20	n.a.	W 3
T 4	6 22 11	6°49'34	22°10	12°37	23°36	10°53	15°29	12°54	13°21	23°24	18°54	29°22	0°30	18°26	n.a.	T 4
F 5	6 26 7	7°50'21	5♎41	13° 8	24°36	11°33	15°32	12°56	13°24	23°24	18°56	29°R23	0°27	18°33	n.a.	F 5
S 6	6 30 4	8°51'06	18°49	13°45	25°36	12°14	15°36	12°57	13°27	23°24	18°58	29°23	0°24	18°40	n.a.	S 6
S 7	6 34 0	9°51'50	1♏37	14°26	26°36	12°54	15°40	12°59	13°30	23°23	19° 0	29°21	0°20	18°46	n.a.	S 7
M 8	6 37 57	10°52'33	14° 9	15°10	27°35	13°35	15°44	13° 1	13°33	23°23	19° 1	29°19	0°17	18°53	n.a.	M 8
T 9	6 41 53	11°53'15	26°26	15°59	28°34	14°15	15°48	13° 3	13°36	23°23	19° 3	29°16	0°14	19° 0	n.a.	T 9
W10	6 45 50	12°53'55	8♐33	16°51	29°32	14°56	15°53	13° 5	13°39	23°23	19° 5	29°14	0°11	19° 6	n.a.	W10
T 11	6 49 46	13°54'34	20°31	17°47	0♓29	15°36	15°58	13° 7	13°42	23°22	19° 6	29°11	0° 8	19°13	n.a.	T 11
F 12	6 53 43	14°55'11	2♉24	18°45	1°26	16°17	16° 2	13°10	13°45	23°22	19° 8	29° 9	0° 5	19°20	n.a.	F 12
S 13	6 57 40	15°55'47	14°13	19°46	2°23	16°57	16° 7	13°12	13°48	23°22	19°10	29° 8	0° 1	19°26	n.a.	S 13
S 14	7 1 36	16°56'21	26° 0	20°50	3°19	17°38	16°13	13°15	13°51	23°21	19°12	29°D 7	29♋58	19°33	n.a.	S 14
M15	7 5 33	17°56'53	7♒47	21°56	4°14	18°18	16°18	13°17	13°55	23°21	19°13	29° 7	29°55	19°40	n.a.	M15
T 16	7 9 29	18°57'23	19°38	23° 4	5° 9	18°59	16°23	13°20	13°58	23°20	19°15	29° 8	29°52	19°46	n.a.	T 16
W17	7 13 26	19°57'52	1♓34	24°14	6° 3	19°39	16°29	13°23	14° 1	23°20	19°17	29° 9	29°49	19°53	n.a.	W17
T 18	7 17 22	20°58'18	13°38	25°26	6°56	20°19	16°35	13°26	14° 4	23°19	19°19	29°10	29°46	19°59	n.a.	T 18
F 19	7 21 19	21°58'43	25°55	26°40	7°49	21° 0	16°41	13°29	14° 7	23°19	19°20	29°11	29°42	20° 6	n.a.	F 19
S 20	7 25 15	22°59'05	8♈28	27°56	8°41	21°40	16°47	13°32	14°11	23°18	19°22	29°11	29°39	20°13	n.a.	S 20
S 21	7 29 12	23°59'25	21°20	29°13	9°32	22°20	16°54	13°35	14°14	23°18	19°24	29°R11	29°36	20°19	n.a.	S 21
M22	7 33 9	24°59'43	4♉34	0♉31	10°22	23° 1	17° 0	13°39	14°17	23°17	19°26	29°11	29°33	20°26	n.a.	M22
T 23	7 37 5	25°59'59	18°15	1°51	11°12	23°41	17° 7	13°42	14°20	23°16	19°27	29°11	29°30	20°33	n.a.	T 23
W24	7 41 2	27° 0'13	2♊22	3°13	12° 1	24°21	17°14	13°46	14°24	23°16	19°29	29°11	29°26	20°39	n.a.	W24
T 25	7 44 58	28° 0'24	16°54	4°36	12°48	25° 2	17°21	13°49	14°27	23°15	19°31	29°11	29°23	20°46	n.a.	T 25
F 26	7 48 55	29° 0'34	1♋47	6° 0	13°35	25°42	17°28	13°53	14°30	23°14	19°32	29°D11	29°20	20°53	n.a.	F 26
S 27	7 52 51	0♒ 0'41	16°54	7°25	14°21	26°22	17°35	13°57	14°34	23°13	19°34	29°11	29°17	20°59	n.a.	S 27
S 28	7 56 48	1° 0'46	2♌ 8	8°52	15° 6	27° 2	17°42	14° 1	14°37	23°13	19°36	29°R11	29°14	21° 6	n.a.	S 28
M29	8 0 44	2° 0'50	17°17	10°20	15°50	27°42	17°50	14° 5	14°40	23°12	19°38	29°11	29°11	21°13	n.a.	M29
T 30	8 4 41	3° 0'51	2♍14	11°49	16°33	28°23	17°58	14° 9	14°44	23°11	19°39	29°10	29° 7	21°19	n.a.	T 30
W31	8 8 38	4♒ 0'50	16♍49	13♉19	17♓15	29♓ 3	18♈ 6	14♈13	14♒47	23♍10	19♉41	29♋10	29♋ 4	21♉26	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23s43	19n 5	0n54	19s43	2n48	15s10	0s20	8s44	0s24	5n 5	1s 8	2n51	2s30	17s47	0s43	4n23	1n54	32s 9	9s50	20n35	20n18	21s25			n.a.
T 2	23 41	15 48	2 12	19 55	2 38	14 45	0 15	8 28	0 23	5 6	1 8	2 52	2 29	17 46	0 43	4 24	1 54	32 9	9 50	20 35	20 18	21 25			n.a.
W 3	23 39	11 39	3 19	20 7	2 28	14 19	0 9	8 12	0 22	5 7	1 7	2 52	2 29	17 45	0 43	4 24	1 54	32 9	9 50	20 34	20 19	21 25			n.a.
T 4	23 36	7 0	4 12	20 21	2 18	13 54	0 3	7 55	0 21	5 9	1 7	2 53	2 29	17 44	0 43	4 24	1 54	32 8	9 50	20 34	20 20	21 25			n.a.
F 5	23 32	2 8	4 49	20 35	2 7	13 28	0n 2	7 38	0 20	5 11	1 7	2 54	2 28	17 43	0 43	4 24	1 54	32 8	9 50	20 34	20 20	21 25			n.a.
S 6	23 29	2s42	5 11	20 50	1 57	13 2	0 9	7 22	0 19	5 12	1 6	2 55	2 28	17 43	0 43	4 24	1 54	32 8	9 50	20 34	20 21	21 25			n.a.
S 7	23 24	7 16	5 16	21 6	1 46	12 36	0 15	7 5	0 18	5 14	1 6	2 56	2 28	17 42	0 43	4 24	1 54	32 8	9 50	20 34	20 22	21 25			n.a.
M 8	23 19	11 27	5 5	21 21	1 36	12 9	0 21	6 49	0 17	5 16	1 6	2 57	2 27	17 41	0 43	4 24	1 54	32 7	9 50	20 35	20 22	21 25			n.a.
T 9	23 14	15 4	4 41	21 37	1 25	11 43	0 27	6 32	0 16	5 18	1 5	2 58	2 27	17 40	0 43	4 24	1 54	32 7	9 50	20 35	20 23	21 25			n.a.
W10	23 8	18 0	4 5	21 53	1 15	11 16	0 34	6 15	0 15	5 20	1 5	2 59	2 27	17 39	0 43	4 24	1 54	32 7	9 50	20 36	20 24	21 25			n.a.
T 11	23 2	20 8	3 18	22 8	1 4	10 49	0 41	5 58	0 14	5 22	1 5	3 1	2 26	17 38	0 43	4 25	1 54	32 7	9 50	20 36	20 24	21 25			n.a.
F 12	22 56	21 22	2 23	22 24	0 54	10 22	0 47	5 42	0 13	5 24	1 4	3 2	2 26	17 37	0 43	4 25	1 54	32 6	9 50	20 37	20 25	21 25			n.a.
S 13	22 49	21 39	1 22	22 39	0 44	9 56	0 54	5 25	0 13	5 27	1 4	3 3	2 26	17 36	0 43	4 25	1 54	32 6	9 50	20 37	20 26	21 24			n.a.
S 14	22 41	20 58	0 17	22 53	0 34	9 29	1 1	5 8	0 12	5 29	1 4	3 4	2 25	17 35	0 43	4 25	1 55	32 6	9 50	20 37	20 26	21 24			n.a.
M15	22 33	19 21	0s48	23 7	0 25	9 2	1 9	4 51	0 11	5 31	1 4	3 6	2 25	17 34	0 43	4 26	1 55	32 6	9 50	20 37	20 27	21 24			n.a.
T 16	22 25	16 54	1 52	23 20	0 15	8 35	1 16	4 34	0 10	5 34	1 3	3 7	2 25	17 33	0 43	4 26	1 55	32 6	9 50	20 37	20 28	21 24			n.a.
W17	22 16	13 43	2 51	23 33	0 6	8 8	1 23	4 17	0 9	5 36	1 3	3 8	2 25	17 33	0 43	4 26	1 55	32 5	9 50	20 37	20 29	21 24			n.a.
T 18	22 7	9 57	3 43	23 45	0s 3	7 41	1 31	4 0	0 8	5 39	1 3	3 10	2 24	17 32	0 43	4 26	1 55	32 5	9 50	20 37	20 29	21 24			n.a.
F 19	21 57	5 42	4 26	23 56	0 12	7 14	1 38	3 43	0 7	5 41	1 2	3 11	2 24	17 31	0 43	4 27	1 55	32 5	9 50	20 37	20 30	21 24			n.a.
S 20	21 47	1 9	4 58	24 6	0 20	6 47	1 46	3 27	0 6	5 44	1 2	3 13	2 24	17 30	0 43	4 27	1 55	32 5	9 50	20 36	20 31	21 24			n.a.
S 21	21 37	3n34	5 15	24 15	0 28	6 21	1 54	3 10	0 5	5 47	1 2	3 14	2 23	17 29	0 43	4 27	1 55	32 4	9 50	20 36	20 31	21 23			n.a.
M22	21 26	8 15	5 17	24 23	0 36	5 54	2 2	2 53	0 4	5 50	1 1	3 16	2 23	17 28	0 43	4 27	1 55	32 4	9 50	20 36	20 32	21 23			n.a.
T 23	21 15	12 41	5 1	24 30	0 44	5 28	2 10	2 36	0 3	5 52	1 1	3 17	2 23	17 27	0 43	4 28	1 55	32 4	9 50	20 36	20 33	21 23			n.a.
W24	21 3	16 34	4 26	24 35	0 51	5 1	2 18	2 19	0 3	5 55	1 1	3 19	2 23	17 26	0 43	4 28	1 55	32 4	9 50	20 37	20 33	21 23			n.a.
T 25	20 51	19 34	3 34	24 40	0 58	4 35	2 27	2 2	0 2	5 58	1 1	3 21	2 22	17 25	0 43	4 29	1 55	32 4	9 50	20 37	20 34	21 23			n.a.
F 26	20 39	21 19	2 27	24 43	1 5	4 9	2 35	1 45	0 1	6 1	1 0	3 23	2 22	17 24	0 43	4 29	1 55	32 4	9 51	20 37	20 35	21 23			n.a.
S 27	20 26	21 34	1 8	24 45	1 12	3 44	2 44	1 28	0 0	6 4	1 0	3 24	2 22	17 23	0 43	4 29	1 55	32 3	9 51	20 37	20 35	21 23			n.a.
S 28	20 13	20 14	0n16	24 46	1 18	3 18	2 52	1 11	0n 1	6 7	1 0	3 26	2 21	17 22	0 43	4 30	1 55	32 3	9 51	20 37	20 36	21 22			n.a.
M29	19 59	17 27	1 39	24 45	1 24	2 53	3 1	0 54	0 2	6 11	1 0	3 28	2 21	17 21	0 43	4 30	1 55	32 3	9 51	20 37	20 37	21 22			n.a.
T 30	19 46	13 31	2 54	24 43	1 29	2 28	3 10	0 37	0 2	6 14	0 59	3 30	2 21	17 20	0 43	4 30	1 55	32 3	9 51	20 37	20 37	21 22			n.a.
W31	19s31	8n53	3n55	24s40	1s34	2s 4	3n19	0s20	0n 3	6n17	0s59	3n32	2s21	17s19	0s43	4n31	1n56	32s 3	9s51	20n37	20n38	21s22			n.a.

Julian Day Number = 1472687.5, Delta T = 05h29m34s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'43, Lahiri = -13°21'43 Julian Calendar 1 Jan. 681 BCE == Greg. Calendar 25 Dec. 682 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

FEBRUARY 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 12 34	5♒ 0'48	1♎ 0	14♉51	17♓55	29♓43	18♈14	14♈17	14♒51	23°R 9	19♉43	29°R 9	29♋ 1	21♉33	n.a.	T 1
F 2	8 16 31	6° 0'44	14°42	16°23	18°34	0♈23	18°22	14°22	14°54	23♍ 8	19°44	29♋ 9	28°58	21°39	n.a.	F 2
S 3	8 20 27	7° 0'38	27°58	17°57	19°13	1° 3	18°30	14°26	14°57	23° 7	19°46	29° 8	28°55	21°46	n.a.	S 3
S 4	8 24 24	8° 0'30	10♏49	19°32	19°49	1°43	18°39	14°31	15° 1	23° 6	19°48	29°D 8	28°52	21°52	n.a.	S 4
M 5	8 28 20	9° 0'20	23°19	21° 8	20°25	2°23	18°47	14°36	15° 4	23° 5	19°49	29° 8	28°48	21°59	n.a.	M 5
T 6	8 32 17	10° 0'09	5♐32	22°45	20°59	3° 3	18°56	14°40	15° 8	23° 4	19°51	29° 9	28°45	22° 6	n.a.	T 6
W 7	8 36 13	10°59'56	17°32	24°24	21°32	3°43	19° 5	14°45	15°11	23° 3	19°53	29°10	28°42	22°12	n.a.	W 7
T 8	8 40 10	11°59'41	29°24	26° 3	22° 3	4°23	19°13	14°50	15°14	23° 2	19°54	29°12	28°39	22°19	n.a.	T 8
F 9	8 44 6	12°59'24	11♑12	27°44	22°33	5° 3	19°23	14°55	15°18	23° 1	19°56	29°13	28°36	22°26	n.a.	F 9
S 10	8 48 3	13°59'04	22°58	29°26	23° 1	5°43	19°32	15° 0	15°21	22°59	19°57	29°13	28°32	22°32	n.a.	S 10
S 11	8 52 0	14°58'43	4♒46	1♒ 9	23°27	6°23	19°41	15° 5	15°25	22°58	19°59	29°R13	28°29	22°39	n.a.	S 11
M12	8 55 56	15°58'20	16°38	2°54	23°52	7° 3	19°50	15°10	15°28	22°57	20° 1	29°13	28°26	22°46	n.a.	M12
T 13	8 59 53	16°57'55	28°37	4°39	24°15	7°43	20° 0	15°16	15°32	22°56	20° 2	29°11	28°23	22°52	n.a.	T 13
W14	9 3 49	17°57'27	10♓43	6°26	24°36	8°23	20°10	15°21	15°35	22°55	20° 4	29° 8	28°20	22°59	n.a.	W14
T 15	9 7 46	18°56'57	22°59	8°14	24°55	9° 2	20°19	15°27	15°38	22°53	20° 5	29° 5	28°17	23° 6	n.a.	T 15
F 16	9 11 42	19°56'25	5♈27	10° 4	25°12	9°42	20°29	15°32	15°42	22°52	20° 7	29° 2	28°13	23°12	n.a.	F 16
S 17	9 15 39	20°55'50	18° 8	11°54	25°27	10°22	20°39	15°38	15°45	22°51	20° 9	28°59	28°10	23°19	n.a.	S 17
S 18	9 19 35	21°55'13	1♉ 4	13°46	25°40	11° 2	20°49	15°43	15°49	22°49	20°10	28°57	28° 7	23°25	n.a.	S 18
M19	9 23 32	22°54'34	14°18	15°40	25°51	11°42	21° 0	15°49	15°52	22°48	20°12	28°55	28° 4	23°32	n.a.	M19
T 20	9 27 29	23°53'52	27°52	17°34	26° 0	12°21	21°10	15°55	15°56	22°47	20°13	28°D55	28° 1	23°39	n.a.	T 20
W21	9 31 25	24°53'08	11♊45	19°30	26° 6	13° 1	21°20	16° 1	15°59	22°45	20°15	28°56	27°57	23°45	n.a.	W21
T 22	9 35 22	25°52'21	26° 0	21°27	26°10	13°41	21°31	16° 7	16° 2	22°44	20°16	28°57	27°54	23°52	n.a.	T 22
F 23	9 39 18	26°51'32	10♋33	23°25	26°R12	14°20	21°42	16°13	16° 6	22°42	20°17	28°59	27°51	23°59	n.a.	F 23
S 24	9 43 15	27°50'41	25°22	25°24	26°11	15° 0	21°52	16°19	16° 9	22°41	20°19	28°R59	27°48	24° 5	n.a.	S 24
S 25	9 47 11	28°49'47	10♌20	27°25	26° 7	15°40	22° 3	16°25	16°12	22°39	20°20	28°59	27°45	24°12	n.a.	S 25
M26	9 51 8	29°48'50	25°20	29°26	26° 1	16°19	22°14	16°31	16°16	22°38	20°22	28°57	27°42	24°19	n.a.	M26
T 27	9 55 4	0♓47'52	10♍13	1♓28	25°53	16°59	22°25	16°38	16°19	22°37	20°23	28°54	27°38	24°25	n.a.	T 27
W28	9 59 1	1°46'51	24°51	3°31	25°42	17°38	22°36	16°44	16°22	22°35	20°25	28°49	27°35	24°32	n.a.	W28
T 29	10 2 57	2♓45'49	9♎ 7	5♓35	25♓29	18♈18	22♈47	16♈50	16♒26	22♍34	20♉26	28♋44	27♋32	24♉39	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s17	3n53	4n40	24s35	1s39	1s40	3n28	0s 3	0n 4	6n20	0s59	3n34	2s20	17s18	0s43	4n31	1n56	32s 3	9s51	20n37	20n39	21s22		n.a.
F 2	19 2	1s 9	5 8	24 28	1 44	1 16	3 37	0n14	0 5	6 24	0 59	3 36	2 20	17 17	0 43	4 32	1 56	32 2	9 51	20 37	20 39	21 22		n.a.
S 3	18 47	5 57	5 18	24 20	1 48	0 52	3 46	0 31	0 6	6 27	0 58	3 38	2 20	17 16	0 43	4 32	1 56	32 2	9 51	20 37	20 40	21 21		n.a.
S 4	18 31	10 21	5 11	24 10	1 51	0 29	3 55	0 47	0 6	6 31	0 58	3 40	2 19	17 15	0 43	4 33	1 56	32 2	9 52	20 37	20 41	21 21		n.a.
M 5	18 15	14 11	4 50	23 59	1 55	0 7	4 5	1 4	0 7	6 34	0 58	3 42	2 19	17 14	0 43	4 33	1 56	32 2	9 52	20 37	20 41	21 21		n.a.
T 6	17 59	17 20	4 16	23 46	1 58	0n16	4 14	1 21	0 8	6 38	0 57	3 44	2 19	17 13	0 43	4 34	1 56	32 2	9 52	20 37	20 42	21 21		n.a.
W 7	17 43	19 40	3 31	23 31	2 0	0 37	4 23	1 38	0 9	6 41	0 57	3 46	2 19	17 12	0 43	4 34	1 56	32 2	9 52	20 37	20 43	21 20		n.a.
T 8	17 26	21 8	2 38	23 14	2 2	0 58	4 33	1 55	0 9	6 45	0 57	3 48	2 18	17 11	0 43	4 35	1 56	32 2	9 52	20 36	20 43	21 20		n.a.
F 9	17 9	21 40	1 38	22 56	2 4	1 19	4 42	2 11	0 10	6 49	0 57	3 50	2 18	17 10	0 43	4 35	1 56	32 1	9 52	20 36	20 44	21 20		n.a.
S 10	16 52	21 13	0 35	22 36	2 6	1 39	4 52	2 28	0 11	6 53	0 57	3 52	2 18	17 9	0 43	4 36	1 56	32 1	9 52	20 36	20 45	21 20		n.a.
S 11	16 34	19 50	0s31	22 14	2 6	1 58	5 1	2 45	0 12	6 56	0 56	3 55	2 18	17 7	0 43	4 36	1 56	32 1	9 53	20 36	20 45	21 20		n.a.
M12	16 16	17 35	1 35	21 51	2 7	2 16	5 11	3 1	0 12	7 0	0 56	3 57	2 17	17 6	0 43	4 37	1 56	32 1	9 53	20 36	20 46	21 19		n.a.
T 13	15 58	14 33	2 36	21 25	2 7	2 34	5 20	3 18	0 13	7 4	0 56	3 59	2 17	17 5	0 43	4 37	1 56	32 1	9 53	20 37	20 47	21 19		n.a.
W14	15 40	10 53	3 30	20 58	2 6	2 51	5 30	3 35	0 14	7 8	0 56	4 2	2 17	17 4	0 43	4 38	1 56	32 1	9 53	20 37	20 47	21 19		n.a.
T 15	15 21	6 43	4 15	20 29	2 5	3 8	5 39	3 51	0 14	7 12	0 55	4 4	2 17	17 3	0 43	4 38	1 56	32 1	9 53	20 38	20 48	21 19		n.a.
F 16	15 2	2 13	4 49	19 58	2 4	3 23	5 48	4 8	0 15	7 16	0 55	4 6	2 16	17 2	0 43	4 39	1 56	32 1	9 53	20 38	20 48	21 18		n.a.
S 17	14 43	2n27	5 10	19 25	2 2	3 38	5 58	4 24	0 16	7 20	0 55	4 9	2 16	17 1	0 43	4 39	1 56	32 1	9 54	20 39	20 49	21 18		n.a.
S 18	14 24	7 6	5 15	18 50	1 59	3 51	6 7	4 41	0 17	7 24	0 55	4 11	2 16	17 0	0 43	4 40	1 56	32 1	9 54	20 40	20 50	21 18		n.a.
M19	14 4	11 31	5 4	18 13	1 56	4 4	6 16	4 57	0 17	7 28	0 54	4 14	2 16	16 59	0 43	4 40	1 56	32 1	9 54	20 40	20 50	21 17		n.a.
T 20	13 45	15 29	4 36	17 34	1 53	4 16	6 25	5 13	0 18	7 32	0 54	4 16	2 16	16 58	0 43	4 41	1 56	32 1	9 54	20 40	20 51	21 17		n.a.
W21	13 25	18 42	3 51	16 54	1 49	4 26	6 34	5 30	0 19	7 36	0 54	4 18	2 15	16 57	0 43	4 42	1 57	32 1	9 54	20 40	20 52	21 17		n.a.
T 22	13 4	20 51	2 52	16 12	1 44	4 36	6 42	5 46	0 19	7 40	0 54	4 21	2 15	16 56	0 43	4 42	1 57	32 1	9 55	20 39	20 52	21 17		n.a.
F 23	12 44	21 42	1 40	15 27	1 39	4 44	6 51	6 2	0 20	7 45	0 54	4 24	2 15	16 55	0 43	4 43	1 57	32 0	9 55	20 39	20 53	21 16		n.a.
S 24	12 23	21 2	0 20	14 41	1 33	4 51	6 59	6 18	0 21	7 49	0 53	4 26	2 15	16 54	0 43	4 43	1 57	32 0	9 55	20 39	20 54	21 16		n.a.
S 25	12 3	18 53	1n 2	13 54	1 27	4 57	7 6	6 34	0 21	7 53	0 53	4 29	2 14	16 53	0 43	4 44	1 57	32 0	9 55	20 39	20 54	21 16		n.a.
M26	11 42	15 27	2 19	13 4	1 20	5 1	7 14	6 50	0 22	7 57	0 53	4 31	2 14	16 52	0 43	4 45	1 57	32 0	9 55	20 39	20 55	21 15		n.a.
T 27	11 21	11 2	3 27	12 13	1 12	5 4	7 21	7 6	0 22	8 2	0 53	4 34	2 14	16 51	0 43	4 45	1 57	32 0	9 56	20 40	20 56	21 15		n.a.
W28	10 59	6 2	4 19	11 21	1 4	5 6	7 27	7 22	0 23	8 6	0 53	4 37	2 14	16 50	0 43	4 46	1 57	32 0	9 56	20 41	20 56	21 15		n.a.
T 29	10s38	0n50	4n54	10s27	0s56	5n 6	7n34	7n38	0n24	8n11	0s52	4n39	2s14	16s49	0s43	4n47	1n57	32s 0	9s56	20n42	20n57	21s14		n.a.

Julian Day Number = 1472718.5, Delta T = 05h29m33s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'39, Lahiri = -13°21'39 Julian Calendar 1 Feb. 681 BCE == Greg. Calendar 25 Jan. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

MARCH 681 BCE (-680) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 6 54	3♓44'44	22♎58	7♓39	25°R13	18♈57	22♈58	16♈57	16♒29	22°R32	20♑27	28°R39	27♋29	24♑45	n.a.	F 1
S 2	10 10 51	4°43'38	6♏21	9°44	24♓55	19°37	23°10	17° 3	16°32	22♍30	20°29	28♋35	27°26	24°52	n.a.	S 2
S 3	10 14 47	5°42'29	19°18	11°48	24°34	20°16	23°21	17°10	16°36	22°29	20°30	28°32	27°23	24°59	n.a.	S 3
M 4	10 18 44	6°41'19	1♐51	13°52	24°12	20°56	23°33	17°16	16°39	22°27	20°31	28°D30	27°19	25° 5	n.a.	M 4
T 5	10 22 40	7°40'07	14° 5	15°56	23°47	21°35	23°44	17°23	16°42	22°26	20°32	28°31	27°16	25°12	n.a.	T 5
W 6	10 26 37	8°38'53	26° 5	17°59	23°19	22°14	23°56	17°30	16°45	22°24	20°34	28°32	27°13	25°18	n.a.	W 6
T 7	10 30 33	9°37'38	7♑56	20° 0	22°50	22°54	24° 8	17°36	16°49	22°23	20°35	28°33	27°10	25°25	n.a.	T 7
F 8	10 34 30	10°36'20	19°42	22° 0	22°19	23°33	24°20	17°43	16°52	22°21	20°36	28°35	27° 7	25°32	n.a.	F 8
S 9	10 38 26	11°35'01	1♒29	23°58	21°47	24°12	24°31	17°50	16°55	22°20	20°37	28°R35	27° 3	25°38	n.a.	S 9
S 10	10 42 23	12°33'40	13°21	25°54	21°13	24°52	24°43	17°57	16°58	22°18	20°39	28°34	27° 0	25°45	n.a.	S 10
M11	10 46 20	13°32'16	25°19	27°48	20°38	25°31	24°56	18° 4	17° 1	22°16	20°40	28°30	26°57	25°52	n.a.	M11
T 12	10 50 16	14°30'51	7♓28	29°38	20° 1	26°10	25° 8	18°11	17° 5	22°15	20°41	28°25	26°54	25°58	n.a.	T 12
W13	10 54 13	15°29'24	19°48	1♈25	19°24	26°50	25°20	18°18	17° 8	22°13	20°42	28°18	26°51	26° 5	n.a.	W13
T 14	10 58 9	16°27'54	2♈21	3° 9	18°47	27°29	25°32	18°25	17°11	22°11	20°43	28° 9	26°48	26°12	n.a.	T 14
F 15	11 2 6	17°26'23	15° 7	4°49	18° 9	28° 8	25°44	18°32	17°14	22°10	20°44	28° 0	26°44	26°18	n.a.	F 15
S 16	11 6 2	18°24'49	28° 5	6°25	17°31	28°47	25°57	18°39	17°17	22° 8	20°45	27°52	26°41	26°25	n.a.	S 16
S 17	11 9 59	19°23'14	11♉16	7°56	16°53	29°26	26° 9	18°47	17°20	22° 7	20°46	27°45	26°38	26°32	n.a.	S 17
M18	11 13 55	20°21'36	24°40	9°24	16°15	0♉ 6	26°22	18°54	17°23	22° 5	20°47	27°40	26°35	26°38	n.a.	M18
T 19	11 17 52	21°19'56	8♊17	10°47	15°38	0°45	26°34	19° 1	17°26	22° 3	20°48	27°37	26°32	26°45	n.a.	T 19
W20	11 21 48	22°18'14	22° 7	12° 5	15° 2	1°24	26°47	19° 9	17°29	22° 2	20°49	27°D36	26°29	26°51	n.a.	W20
T 21	11 25 45	23°16'29	6♋10	13°18	14°27	2° 3	26°59	19°16	17°32	22° 0	20°50	27°37	26°25	26°58	n.a.	T 21
F 22	11 29 42	24°14'43	20°25	14°27	13°54	2°42	27°12	19°23	17°35	21°58	20°51	27°R38	26°22	27° 5	n.a.	F 22
S 23	11 33 38	25°12'54	4♌52	15°30	13°22	3°21	27°25	19°31	17°38	21°57	20°52	27°38	26°19	27°11	n.a.	S 23
S 24	11 37 35	26°11'03	19°26	16°29	12°51	4° 0	27°38	19°38	17°41	21°55	20°53	27°36	26°16	27°18	n.a.	S 24
M25	11 41 31	27° 9'10	4♍ 4	17°22	12°23	4°39	27°51	19°46	17°43	21°53	20°54	27°32	26°13	27°25	n.a.	M25
T 26	11 45 28	28° 7'15	18°38	18°10	11°56	5°18	28° 4	19°53	17°46	21°52	20°55	27°25	26° 9	27°31	n.a.	T 26
W27	11 49 24	29° 5'18	3♎ 3	18°53	11°32	5°57	28°17	20° 1	17°49	21°50	20°56	27°16	26° 6	27°38	n.a.	W27
T 28	11 53 21	0♈ 3'19	17°11	19°30	11° 9	6°36	28°30	20° 8	17°52	21°49	20°56	27° 6	26° 3	27°45	n.a.	T 28
F 29	11 57 17	1° 1'19	0♏58	20° 2	10°49	7°15	28°43	20°16	17°54	21°47	20°57	26°56	26° 0	27°51	n.a.	F 29
S 30	12 1 14	1°59'17	14°20	20°29	10°32	7°54	28°56	20°23	17°57	21°45	20°58	26°47	25°57	27°58	n.a.	S 30
S 31	12 5 10	2♈57'14	27♏19	20♈50	10♓17	8♉33	29♈ 9	20♈31	18♒ 0	21♍44	20♑59	26♋40	25♋54	28♑ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s16	4s15	5n11	9s32	0s47	5n 5	7n39	7n54	0n24	8n15	0s52	4n42	2s13	16s48	0s43	4n47	1n57	32s 0	9s56	20n43	20n57	21s14		n.a.
S 2	9 55	8 58	5 9	8 36	0 37	5 2	7 44	8 10	0 25	8 19	0 52	4 45	2 13	16 47	0 43	4 48	1 57	32 0	9 56	20 44	20 58	21 14		n.a.
S 3	9 33	13 7	4 52	7 39	0 27	4 58	7 49	8 25	0 26	8 24	0 52	4 47	2 13	16 46	0 43	4 48	1 57	32 0	9 57	20 45	20 59	21 13		n.a.
M 4	9 11	16 34	4 21	6 41	0 16	4 53	7 53	8 41	0 26	8 28	0 52	4 50	2 13	16 45	0 43	4 49	1 57	32 0	9 57	20 45	20 59	21 13		n.a.
T 5	8 49	19 11	3 39	5 43	0 6	4 45	7 56	8 56	0 27	8 33	0 51	4 53	2 13	16 44	0 43	4 50	1 57	32 0	9 57	20 45	21 0	21 13		n.a.
W 6	8 26	20 55	2 48	4 44	0n 5	4 37	7 58	9 12	0 27	8 37	0 51	4 55	2 13	16 43	0 43	4 50	1 57	32 0	9 57	20 45	21 1	21 12		n.a.
T 7	8 4	21 42	1 50	3 45	0 17	4 27	8 0	9 27	0 28	8 42	0 51	4 58	2 12	16 42	0 43	4 51	1 57	32 0	9 58	20 44	21 1	21 12		n.a.
F 8	7 42	21 31	0 48	2 47	0 28	4 15	8 1	9 43	0 29	8 46	0 51	5 1	2 12	16 41	0 43	4 52	1 57	32 1	9 58	20 44	21 2	21 12		n.a.
S 9	7 19	20 22	0s16	1 49	0 40	4 2	8 1	9 58	0 29	8 51	0 51	5 4	2 12	16 40	0 43	4 52	1 57	32 1	9 58	20 44	21 2	21 11		n.a.
S 10	6 56	18 19	1 19	0 52	0 51	3 48	8 0	10 13	0 30	8 56	0 50	5 7	2 12	16 39	0 43	4 53	1 57	32 1	9 58	20 44	21 3	21 11		n.a.
M11	6 34	15 27	2 20	0n 4	1 3	3 33	7 58	10 28	0 30	9 0	0 50	5 9	2 12	16 38	0 43	4 54	1 57	32 1	9 59	20 45	21 4	21 11		n.a.
T 12	6 11	11 53	3 15	0 59	1 14	3 16	7 56	10 43	0 31	9 5	0 50	5 12	2 12	16 37	0 43	4 54	1 57	32 1	9 59	20 46	21 4	21 10		n.a.
W13	5 48	7 47	4 1	1 53	1 26	2 58	7 52	10 58	0 31	9 10	0 50	5 15	2 11	16 36	0 43	4 55	1 57	32 1	9 59	20 48	21 5	21 10		n.a.
T 14	5 25	3 17	4 37	2 44	1 36	2 40	7 48	11 13	0 32	9 14	0 50	5 18	2 11	16 36	0 43	4 56	1 57	32 1	9 59	20 49	21 6	21 9		n.a.
F 15	5 2	1n26	4 59	3 34	1 47	2 20	7 43	11 28	0 32	9 19	0 50	5 21	2 11	16 35	0 43	4 56	1 57	32 1	10 0	20 51	21 6	21 9		n.a.
S 16	4 39	6 10	5 7	4 22	1 57	1 59	7 37	11 42	0 33	9 24	0 49	5 24	2 11	16 34	0 43	4 57	1 57	32 1	10 0	20 53	21 7	21 9		n.a.
S 17	4 16	10 42	4 59	5 7	2 6	1 38	7 30	11 57	0 33	9 28	0 49	5 27	2 11	16 33	0 43	4 58	1 57	32 1	10 0	20 54	21 7	21 8		n.a.
M18	3 52	14 47	4 34	5 50	2 15	1 17	7 22	12 11	0 34	9 33	0 49	5 30	2 11	16 32	0 43	4 58	1 57	32 1	10 1	20 55	21 8	21 8		n.a.
T 19	3 29	18 9	3 53	6 31	2 23	0 55	7 13	12 26	0 34	9 38	0 49	5 32	2 10	16 31	0 43	4 59	1 57	32 1	10 1	20 56	21 9	21 7		n.a.
W20	3 6	20 34	2 59	7 9	2 31	0 32	7 4	12 40	0 35	9 43	0 49	5 35	2 10	16 30	0 43	5 0	1 57	32 1	10 1	20 56	21 9	21 7		n.a.
T 21	2 42	21 45	1 53	7 44	2 38	0 10	6 54	12 54	0 36	9 47	0 49	5 38	2 10	16 29	0 44	5 0	1 57	32 2	10 1	20 56	21 10	21 6		n.a.
F 22	2 19	21 34	0 39	8 17	2 44	0s13	6 44	13 9	0 36	9 52	0 48	5 41	2 10	16 28	0 44	5 1	1 57	32 2	10 2	20 56	21 10	21 6		n.a.
S 23	1 56	19 57	0n39	8 46	2 49	0 35	6 33	13 23	0 37	9 57	0 48	5 44	2 10	16 27	0 44	5 2	1 57	32 2	10 2	20 56	21 11	21 6		n.a.
S 24	1 32	17 0	1 54	9 13	2 53	0 58	6 21	13 37	0 37	10 2	0 48	5 47	2 10	16 26	0 44	5 2	1 57	32 2	10 2	20 56	21 12	21 5		n.a.
M25	1 9	12 59	3 2	9 37	2 56	1 20	6 9	13 50	0 38	10 7	0 48	5 50	2 10	16 26	0 44	5 3	1 57	32 2	10 3	20 57	21 12	21 5		n.a.
T 26	0 45	8 12	3 58	9 57	2 58	1 41	5 57	14 4	0 38	10 11	0 48	5 53	2 10	16 25	0 44	5 4	1 57	32 2	10 3	20 58	21 13	21 4		n.a.
W27	0 22	3 0	4 38	10 15	2 59	2 2	5 44	14 18	0 38	10 16	0 48	5 56	2 9	16 24	0 44	5 4	1 57	32 2	10 3	21 0	21 14	21 4		n.a.
T 28	0n 1	2s14	4 59	10 30	2 59	2 23	5 31	14 31	0 39	10 21	0 47	5 59	2 9	16 23	0 44	5 5	1 57	32 3	10 3	21 2	21 14	21 3		n.a.
F 29	0 25	7 14	5 3	10 41	2 58	2 43	5 18	14 45	0 39	10 26	0 47	6 2	2 9	16 22	0 44	5 6	1 57	32 3	10 4	21 4	21 15	21 3		n.a.
S 30	0 48	11 45	4 50	10 49	2 56	3 2	5 5	14 58	0 40	10 31	0 47	6 5	2 9	16 21	0 44	5 6	1 57	32 3	10 4	21 6	21 15	21 2		n.a.
S 31	1n11	15s35	4n22	10n55	2n53	3s20	4n51	15n11	0n40	10n36	0s47	6n 8	2s 9	16s21	0s44	5n 7	1n57	32s 3	10s 4	21n 7	21n16	21s 2		n.a.

Julian Day Number = 1472747.5, Delta T = 05h29m31s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'35, Lahiri = -13°21'35 Julian Calendar 1 March 681 BCE == Greg. Calendar 23 Feb. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

APRIL 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 9 7	3♈55'09	9♐54	21♈ 6	10°R 4	9♉11	29♈22	20♈39	18♒ 2	21°R42	20♑59	26°R35	25♋50	28♑11	n.a.	M 1
T 2	12 13 4	4°53'03	22°10	21°17	9♓53	9°50	29°35	20°46	18° 5	21♏41	21° 0	26♋33	25°47	28°18	n.a.	T 2
W 3	12 17 0	5°50'55	4♑12	21°23	9°46	10°29	29°49	20°54	18° 8	21°39	21° 1	26°D32	25°44	28°25	n.a.	W 3
T 4	12 20 57	6°48'46	16° 3	21°R23	9°40	11° 8	0♉ 2	21° 2	18°10	21°37	21° 1	26°32	25°41	28°31	n.a.	T 4
F 5	12 24 53	7°46'36	27°51	21°18	9°37	11°47	0°15	21°10	18°13	21°36	21° 2	26°R32	25°38	28°38	n.a.	F 5
S 6	12 28 50	8°44'24	9♒40	21° 9	9°D37	12°25	0°29	21°17	18°15	21°34	21° 3	26°31	25°34	28°44	n.a.	S 6
S 7	12 32 46	9°42'11	21°35	20°55	9°38	13° 4	0°42	21°25	18°18	21°33	21° 3	26°29	25°31	28°51	n.a.	S 7
M 8	12 36 43	10°39'57	3♓40	20°37	9°42	13°43	0°55	21°33	18°20	21°31	21° 4	26°24	25°28	28°58	n.a.	M 8
T 9	12 40 39	11°37'41	15°59	20°15	9°49	14°22	1° 9	21°41	18°22	21°30	21° 4	26°16	25°25	29° 4	n.a.	T 9
W10	12 44 36	12°35'24	28°34	19°50	9°57	15° 0	1°22	21°49	18°25	21°28	21° 5	26° 6	25°22	29°11	n.a.	W10
T 11	12 48 33	13°33'05	11♈24	19°21	10° 8	15°39	1°36	21°56	18°27	21°27	21° 5	25°54	25°19	29°18	n.a.	T 11
F 12	12 52 29	14°30'45	24°31	18°50	10°20	16°18	1°49	22° 4	18°29	21°25	21° 6	25°41	25°15	29°24	n.a.	F 12
S 13	12 56 26	15°28'24	7♉52	18°18	10°35	16°56	2° 3	22°12	18°31	21°24	21° 6	25°30	25°12	29°31	n.a.	S 13
S 14	13 0 22	16°26'01	21°26	17°44	10°52	17°35	2°17	22°20	18°34	21°22	21° 6	25°19	25° 9	29°38	n.a.	S 14
M15	13 4 19	17°23'37	5♊ 9	17° 9	11°10	18°14	2°30	22°28	18°36	21°21	21° 7	25°12	25° 6	29°44	n.a.	M15
T 16	13 8 15	18°21'11	19° 0	16°34	11°31	18°52	2°44	22°36	18°38	21°19	21° 7	25° 7	25° 3	29°51	n.a.	T 16
W17	13 12 12	19°18'43	2♋58	16° 0	11°53	19°31	2°58	22°44	18°40	21°18	21° 7	25° 5	25° 0	29°58	n.a.	W17
T 18	13 16 8	20°16'15	17° 1	15°26	12°17	20° 9	3°11	22°51	18°42	21°17	21° 8	25° 4	24°56	0♒ 4	n.a.	T 18
F 19	13 20 5	21°13'44	1♌ 8	14°55	12°42	20°48	3°25	22°59	18°44	21°15	21° 8	25° 4	24°53	0°11	n.a.	F 19
S 20	13 24 2	22°11'12	15°19	14°25	13° 9	21°27	3°39	23° 7	18°46	21°14	21° 8	25° 3	24°50	0°17	n.a.	S 20
S 21	13 27 58	23° 8'38	29°32	13°58	13°38	22° 5	3°52	23°15	18°48	21°13	21° 8	25° 1	24°47	0°24	n.a.	S 21
M22	13 31 55	24° 6'03	13♍45	13°34	14° 8	22°44	4° 6	23°23	18°50	21°11	21° 9	24°55	24°44	0°31	n.a.	M22
T 23	13 35 51	25° 3'27	27°54	13°14	14°39	23°22	4°20	23°31	18°51	21°10	21° 9	24°47	24°40	0°37	n.a.	T 23
W24	13 39 48	26° 0'49	11♎54	12°57	15°12	24° 1	4°34	23°39	18°53	21° 9	21° 9	24°37	24°37	0°44	n.a.	W24
T 25	13 43 44	26°58'10	25°42	12°44	15°46	24°39	4°47	23°47	18°55	21° 7	21° 9	24°25	24°34	0°51	n.a.	T 25
F 26	13 47 41	27°55'30	9♏14	12°36	16°22	25°18	5° 1	23°54	18°57	21° 6	21° 9	24°13	24°31	0°57	n.a.	F 26
S 27	13 51 37	28°52'50	22°26	12°D31	16°58	25°56	5°15	24° 2	18°58	21° 5	21° 9	24° 2	24°28	1° 4	n.a.	S 27
S 28	13 55 34	29°50'08	5♐17	12°31	17°36	26°34	5°29	24°10	19° 0	21° 4	21° 9	23°53	24°25	1°11	n.a.	S 28
M29	13 59 31	0♉47'26	17°49	12°36	18°15	27°13	5°43	24°18	19° 2	21° 3	21°R 9	23°46	24°21	1°17	n.a.	M29
T 30	14 3 27	1♉44'43	0♑ 4	12♈45	18♓55	27♉51	5♉57	24♈26	19♒ 3	21♏ 1	21♑ 9	23♋42	24♋18	1♒24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n35	18s35	3n42	10n56	2n48	3s37	4n38	15n24	0n41	10n40	0s47	6n11	2s 9	16s20	0s44	5n 7	1n57	32s 3	10s 5	21n 8	21n17	21s 1		n.a.
T 2	1 58	20 40	2 52	10 55	2 43	3 54	4 24	15 37	0 41	10 45	0 47	6 14	2 9	16 19	0 44	5 8	1 57	32 3	10 5	21 8	21 17	21 1		n.a.
W 3	2 21	21 46	1 56	10 51	2 36	4 9	4 11	15 50	0 42	10 50	0 47	6 17	2 9	16 18	0 44	5 9	1 57	32 4	10 5	21 9	21 18	21 0		n.a.
T 4	2 44	21 53	0 56	10 44	2 28	4 24	3 57	16 3	0 42	10 55	0 46	6 20	2 9	16 18	0 44	5 9	1 57	32 4	10 5	21 9	21 18	21 0		n.a.
F 5	3 8	21 0	0s 7	10 33	2 18	4 37	3 44	16 15	0 43	11 0	0 46	6 23	2 9	16 17	0 44	5 10	1 57	32 4	10 6	21 9	21 19	20 59		n.a.
S 6	3 31	19 12	1 9	10 20	2 8	4 50	3 31	16 28	0 43	11 5	0 46	6 26	2 8	16 16	0 44	5 11	1 57	32 4	10 6	21 9	21 20	20 59		n.a.
S 7	3 54	16 32	2 9	10 4	1 56	5 1	3 18	16 40	0 43	11 10	0 46	6 29	2 8	16 15	0 44	5 11	1 57	32 4	10 6	21 9	21 20	20 58		n.a.
M 8	4 17	13 9	3 4	9 45	1 44	5 12	3 5	16 52	0 44	11 14	0 46	6 32	2 8	16 15	0 44	5 12	1 57	32 5	10 7	21 10	21 21	20 58		n.a.
T 9	4 40	9 8	3 51	9 24	1 30	5 21	2 52	17 5	0 44	11 19	0 46	6 35	2 8	16 14	0 44	5 12	1 57	32 5	10 7	21 12	21 21	20 57		n.a.
W10	5 2	4 40	4 28	9 1	1 15	5 29	2 39	17 17	0 45	11 24	0 46	6 38	2 8	16 13	0 44	5 13	1 57	32 5	10 7	21 14	21 22	20 57		n.a.
T 11	5 25	0n 7	4 52	8 36	1 0	5 37	2 27	17 29	0 45	11 29	0 46	6 41	2 8	16 12	0 44	5 14	1 57	32 5	10 8	21 16	21 22	20 56		n.a.
F 12	5 48	4 58	5 1	8 10	0 44	5 43	2 15	17 40	0 46	11 34	0 45	6 44	2 8	16 12	0 44	5 14	1 57	32 6	10 8	21 18	21 23	20 56		n.a.
S 13	6 10	9 42	4 54	7 42	0 28	5 48	2 3	17 52	0 46	11 39	0 45	6 47	2 8	16 11	0 44	5 15	1 57	32 6	10 8	21 20	21 24	20 55		n.a.
S 14	6 33	14 1	4 31	7 13	0 11	5 53	1 52	18 3	0 46	11 44	0 45	6 50	2 8	16 10	0 44	5 15	1 57	32 6	10 9	21 22	21 24	20 55		n.a.
M15	6 55	17 40	3 52	6 44	0s 6	5 56	1 40	18 15	0 47	11 48	0 45	6 53	2 8	16 10	0 44	5 16	1 57	32 6	10 9	21 24	21 25	20 54		n.a.
T 16	7 18	20 21	2 58	6 14	0 23	5 58	1 29	18 26	0 47	11 53	0 45	6 56	2 8	16 9	0 44	5 16	1 57	32 7	10 9	21 25	21 25	20 53		n.a.
W17	7 40	21 50	1 54	5 45	0 40	6 0	1 18	18 37	0 48	11 58	0 45	6 59	2 8	16 9	0 44	5 17	1 57	32 7	10 10	21 25	21 26	20 53		n.a.
T 18	8 2	21 58	0 43	5 17	0 57	6 0	1 8	18 48	0 48	12 3	0 45	7 2	2 8	16 8	0 44	5 17	1 57	32 7	10 10	21 25	21 27	20 52		n.a.
F 19	8 24	20 43	0n32	4 49	1 14	6 0	0 58	18 59	0 48	12 8	0 45	7 5	2 8	16 7	0 44	5 18	1 57	32 7	10 10	21 25	21 27	20 52		n.a.
S 20	8 45	18 8	1 45	4 23	1 29	5 59	0 48	19 10	0 49	12 13	0 44	7 8	2 8	16 7	0 44	5 18	1 57	32 8	10 11	21 25	21 28	20 51		n.a.
S 21	9 7	14 28	2 51	3 59	1 45	5 57	0 38	19 20	0 49	12 17	0 44	7 11	2 8	16 6	0 44	5 19	1 57	32 8	10 11	21 26	21 28	20 51		n.a.
M22	9 29	9 58	3 47	3 36	1 59	5 54	0 28	19 31	0 49	12 22	0 44	7 14	2 8	16 6	0 44	5 19	1 57	32 8	10 11	21 27	21 29	20 50		n.a.
T 23	9 50	4 57	4 29	3 16	2 13	5 50	0 19	19 41	0 50	12 27	0 44	7 17	2 7	16 5	0 44	5 20	1 57	32 8	10 11	21 28	21 29	20 49		n.a.
W24	10 11	0s17	4 53	2 58	2 25	5 45	0 10	19 51	0 50	12 32	0 44	7 20	2 7	16 5	0 45	5 20	1 57	32 9	10 12	21 30	21 30	20 49		n.a.
T 25	10 32	5 25	5 0	2 42	2 37	5 40	0 2	20 1	0 51	12 37	0 44	7 23	2 7	16 4	0 45	5 21	1 57	32 9	10 12	21 32	21 31	20 48		n.a.
F 26	10 53	10 11	4 50	2 29	2 47	5 34	0s 7	20 11	0 51	12 41	0 44	7 26	2 7	16 4	0 45	5 21	1 57	32 9	10 12	21 34	21 31	20 47		n.a.
S 27	11 14	14 22	4 25	2 18	2 57	5 27	0 15	20 20	0 51	12 46	0 44	7 29	2 7	16 3	0 45	5 22	1 57	32 10	10 13	21 36	21 32	20 47		n.a.
S 28	11 34	17 46	3 46	2 11	3 5	5 19	0 23	20 30	0 52	12 51	0 44	7 32	2 7	16 3	0 45	5 22	1 56	32 10	10 13	21 38	21 32	20 46		n.a.
M29	11 55	20 40	2 58	2 6	3 13	5 11	0 31	20 39	0 52	12 56	0 44	7 35	2 7	16 2	0 45	5 23	1 56	32 10	10 13	21 39	21 33	20 46		n.a.
T 30	12n15	21s45	2n 2	2n 3	3s19	5s 1	0s38	20n48	0n52	13n 0	0s43	7n38	2s 7	16s 2	0s45	5n23	1n56	32s11	10s14	21n40	21n33	20s45		n.a.

Julian Day Number = 1472778.5, Delta T = 05h29m30s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'31, Lahiri = -13°21'30 Julian Calendar 1 Apr. 681 BCE == Greg. Calendar 25 March 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

MAY 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 7 24	2♉41'59	12♎ 5	12♈59	19♓36	28♉30	6♉10	24♈34	19♒ 5	21°R 0	21°R 9	23°R40	24♋15	1♒31	n.a.	W 1
T 2	14 11 20	3°39'15	23°58	13°17	20°18	29° 8	6°24	24°42	19° 6	20♍59	21♎ 9	23°D40	24°12	1°37	n.a.	T 2
F 3	14 15 17	4°36'30	5♒46	13°40	21° 1	29°46	6°38	24°49	19° 7	20°58	21° 9	23°R40	24° 9	1°44	n.a.	F 3
S 4	14 19 13	5°33'45	17°37	14° 7	21°45	0♊25	6°52	24°57	19° 9	20°57	21° 9	23♋39	24° 5	1°51	n.a.	S 4
S 5	14 23 10	6°30'59	29°34	14°38	22°30	1° 3	7° 6	25° 5	19°10	20°56	21° 9	23°37	24° 2	1°57	n.a.	S 5
M 6	14 27 6	7°28'12	11♓44	15°13	23°16	1°41	7°20	25°13	19°11	20°55	21° 9	23°33	23°59	2° 4	n.a.	M 6
T 7	14 31 3	8°25'25	24° 9	15°53	24° 3	2°20	7°33	25°21	19°13	20°54	21° 8	23°26	23°56	2°10	n.a.	T 7
W 8	14 35 0	9°22'38	6♈54	16°36	24°50	2°58	7°47	25°28	19°14	20°53	21° 8	23°17	23°53	2°17	n.a.	W 8
T 9	14 38 56	10°19'50	19°59	17°24	25°38	3°36	8° 1	25°36	19°15	20°52	21° 8	23° 6	23°50	2°24	n.a.	T 9
F 10	14 42 53	11°17'01	3♉24	18°15	26°27	4°15	8°15	25°44	19°16	20°51	21° 8	22°55	23°46	2°30	n.a.	F 10
S 11	14 46 49	12°14'13	17° 8	19°10	27°17	4°53	8°29	25°51	19°17	20°50	21° 7	22°44	23°43	2°37	n.a.	S 11
S 12	14 50 46	13°11'23	1♊ 6	20° 9	28° 7	5°31	8°43	25°59	19°18	20°49	21° 7	22°35	23°40	2°44	n.a.	S 12
M13	14 54 42	14° 8'33	15°14	21°12	28°58	6°10	8°56	26° 7	19°19	20°49	21° 7	22°28	23°37	2°50	n.a.	M13
T 14	14 58 39	15° 5'43	29°28	22°18	29°49	6°48	9°10	26°14	19°20	20°48	21° 6	22°23	23°34	2°57	n.a.	T 14
W15	15 2 35	16° 2'52	13♋43	23°28	0♈41	7°26	9°24	26°22	19°21	20°47	21° 6	22°21	23°31	3° 4	n.a.	W15
T 16	15 6 32	17° 0'00	27°58	24°41	1°34	8° 4	9°38	26°30	19°21	20°46	21° 5	22°D21	23°27	3°10	n.a.	T 16
F 17	15 10 29	17°57'08	12♌ 8	25°57	2°27	8°43	9°51	26°37	19°22	20°46	21° 5	22°R22	23°24	3°17	n.a.	F 17
S 18	15 14 25	18°54'14	26°15	27°17	3°21	9°21	10° 5	26°45	19°23	20°45	21° 5	22°22	23°21	3°24	n.a.	S 18
S 19	15 18 22	19°51'21	10♍15	28°41	4°15	9°59	10°19	26°52	19°24	20°44	21° 4	22°20	23°18	3°30	n.a.	S 19
M20	15 22 18	20°48'26	24° 9	0♉ 7	5°10	10°37	10°33	27° 0	19°24	20°44	21° 4	22°16	23°15	3°37	n.a.	M20
T 21	15 26 15	21°45'31	7♎54	1°37	6° 5	11°15	10°46	27° 7	19°25	20°43	21° 3	22°10	23°11	3°44	n.a.	T 21
W22	15 30 11	22°42'36	21°29	3°10	7° 1	11°54	11° 0	27°14	19°25	20°42	21° 3	22° 1	23° 8	3°50	n.a.	W22
T 23	15 34 8	23°39'40	4♏53	4°46	7°57	12°32	11°14	27°22	19°26	20°42	21° 2	21°52	23° 5	3°57	n.a.	T 23
F 24	15 38 5	24°36'45	18° 2	6°26	8°54	13°10	11°27	27°29	19°26	20°41	21° 1	21°42	23° 2	4° 3	n.a.	F 24
S 25	15 42 1	25°33'49	0♐56	8° 8	9°51	13°48	11°41	27°36	19°27	20°41	21° 1	21°33	22°59	4°10	n.a.	S 25
S 26	15 45 58	26°30'53	13°34	9°54	10°49	14°26	11°55	27°44	19°27	20°40	21° 0	21°26	22°56	4°17	n.a.	S 26
M27	15 49 54	27°27'57	25°57	11°43	11°47	15° 4	12° 8	27°51	19°27	20°40	20°59	21°21	22°52	4°23	n.a.	M27
T 28	15 53 51	28°25'02	8♎ 6	13°34	12°45	15°43	12°22	27°58	19°27	20°40	20°59	21°18	22°49	4°30	n.a.	T 28
W29	15 57 47	29°22'06	20° 4	15°28	13°44	16°21	12°35	28° 5	19°27	20°39	20°58	21°D17	22°46	4°37	n.a.	W29
T 30	16 1 44	0♊19'11	1♒55	17°25	14°43	16°59	12°49	28°12	19°28	20°39	20°57	21°17	22°43	4°43	n.a.	T 30
F 31	16 5 40	1♊16'16	13♒43	19♉24	15♈42	17♊37	13♉ 2	28♈20	19♒28	20♍39	20♎57	21♋18	22♋40	4♒50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12n35	22s12	1n 1	2n 4	3s24	4s52	0s45	20n57	0n53	13n 5	0s43	7n41	2s 7	16s 1	0s45	5n24	1n56	32s11	10s14	21n40	21n34	20s44			n.a.
T 2	12 55	21 39	0s 2	2 7	3 29	4 41	0 52	21 6	0 53	13 10	0 43	7 44	2 7	16 1	0 45	5 24	1 56	32 11	10 14	21 40	21 35	20 44			n.a.
F 3	13 14	20 7	1 4	2 13	3 32	4 30	0 59	21 15	0 53	13 14	0 43	7 46	2 7	16 0	0 45	5 24	1 56	32 12	10 15	21 40	21 35	20 43			n.a.
S 4	13 34	17 44	2 4	2 22	3 34	4 18	1 5	21 24	0 54	13 19	0 43	7 49	2 7	16 0	0 45	5 25	1 56	32 12	10 15	21 40	21 36	20 42			n.a.
S 5	13 53	14 34	2 58	2 33	3 35	4 6	1 11	21 32	0 54	13 24	0 43	7 52	2 7	16 0	0 45	5 25	1 56	32 12	10 15	21 41	21 36	20 42			n.a.
M 6	14 12	10 44	3 46	2 46	3 35	3 53	1 17	21 40	0 54	13 28	0 43	7 55	2 7	15 59	0 45	5 25	1 56	32 13	10 16	21 41	21 37	20 41			n.a.
T 7	14 31	6 23	4 24	3 2	3 35	3 40	1 23	21 49	0 55	13 33	0 43	7 58	2 7	15 59	0 45	5 26	1 56	32 13	10 16	21 43	21 37	20 40			n.a.
W 8	14 49	1 39	4 50	3 20	3 33	3 26	1 29	21 57	0 55	13 38	0 43	8 1	2 7	15 59	0 45	5 26	1 56	32 13	10 16	21 44	21 38	20 40			n.a.
T 9	15 7	3n16	5 2	3 41	3 31	3 11	1 34	22 4	0 55	13 42	0 43	8 4	2 7	15 58	0 45	5 27	1 56	32 14	10 17	21 46	21 39	20 39			n.a.
F 10	15 26	8 10	4 57	4 4	3 28	2 56	1 39	22 12	0 55	13 47	0 43	8 6	2 7	15 58	0 45	5 27	1 56	32 14	10 17	21 48	21 39	20 38			n.a.
S 11	15 43	12 47	4 36	4 28	3 24	2 41	1 44	22 19	0 56	13 52	0 42	8 9	2 7	15 58	0 45	5 27	1 56	32 14	10 17	21 50	21 40	20 38			n.a.
S 12	16 1	16 48	3 57	4 55	3 19	2 25	1 48	22 27	0 56	13 56	0 42	8 12	2 7	15 57	0 45	5 27	1 56	32 15	10 17	21 51	21 40	20 37			n.a.
M13	16 18	19 54	3 4	5 24	3 14	2 8	1 53	22 34	0 56	14 1	0 42	8 15	2 7	15 57	0 45	5 28	1 56	32 15	10 18	21 53	21 41	20 36			n.a.
T 14	16 35	21 48	1 59	5 54	3 8	1 52	1 57	22 41	0 57	14 5	0 42	8 17	2 7	15 57	0 45	5 28	1 56	32 15	10 18	21 53	21 41	20 36			n.a.
W15	16 52	22 18	0 46	6 26	3 1	1 34	2 1	22 48	0 57	14 10	0 42	8 20	2 7	15 57	0 45	5 28	1 56	32 16	10 18	21 54	21 42	20 35			n.a.
T 16	17 9	21 21	0n30	7 0	2 54	1 17	2 5	22 54	0 57	14 14	0 42	8 23	2 8	15 56	0 45	5 29	1 56	32 16	10 19	21 54	21 42	20 34			n.a.
F 17	17 25	19 3	1 44	7 36	2 46	0 59	2 9	23 1	0 57	14 19	0 42	8 26	2 8	15 56	0 45	5 29	1 56	32 16	10 19	21 53	21 43	20 33			n.a.
S 18	17 41	15 37	2 51	8 12	2 37	0 40	2 12	23 7	0 58	14 23	0 42	8 28	2 8	15 56	0 45	5 29	1 56	32 17	10 19	21 54	21 43	20 33			n.a.
S 19	17 57	11 19	3 47	8 51	2 28	0 21	2 16	23 13	0 58	14 28	0 42	8 31	2 8	15 56	0 45	5 29	1 56	32 17	10 20	21 54	21 44	20 32			n.a.
M20	18 12	6 28	4 29	9 30	2 19	0 2	2 19	23 19	0 58	14 32	0 42	8 34	2 8	15 56	0 45	5 29	1 56	32 18	10 20	21 54	21 45	20 31			n.a.
T 21	18 28	1 20	4 55	10 11	2 9	0n17	2 22	23 25	0 59	14 36	0 42	8 36	2 8	15 56	0 46	5 30	1 55	32 18	10 20	21 55	21 45	20 30			n.a.
W22	18 42	3s48	5 5	10 53	1 59	0 37	2 24	23 30	0 59	14 41	0 42	8 39	2 8	15 55	0 46	5 30	1 55	32 18	10 20	21 57	21 46	20 30			n.a.
T 23	18 57	8 40	4 57	11 36	1 48	0 57	2 27	23 36	0 59	14 45	0 42	8 42	2 8	15 55	0 46	5 30	1 55	32 19	10 21	21 58	21 46	20 29			n.a.
F 24	19 11	13 4	4 34	12 19	1 38	1 18	2 29	23 41	0 59	14 49	0 41	8 44	2 8	15 55	0 46	5 30	1 55	32 19	10 21	22 0	21 47	20 28			n.a.
S 25	19 25	16 47	3 56	13 3	1 26	1 38	2 32	23 46	1 0	14 54	0 41	8 47	2 8	15 55	0 46	5 30	1 55	32 19	10 21	22 1	21 47	20 27			n.a.
S 26	19 39	19 38	3 8	13 48	1 15	1 59	2 34	23 51	1 0	14 58	0 41	8 49	2 8	15 55	0 46	5 30	1 55	32 20	10 22	22 3	21 48	20 27			n.a.
M27	19 52	21 31	2 12	14 33	1 3	2 20	2 36	23 55	1 0	15 2	0 41	8 52	2 8	15 55	0 46	5 31	1 55	32 20	10 22	22 3	21 48	20 26			n.a.
T 28	20 5	22 21	1 10	15 19	0 52	2 42	2 37	24 0	1 0	15 7	0 41	8 54	2 8	15 55	0 46	5 31	1 55	32 21	10 22	22 4	21 49	20 25			n.a.
W29	20 18	22 9	0 7	16 4	0 40	3 3	2 39	24 4	1 1	15 11	0 41	8 57	2 8	15 55	0 46	5 31	1 55	32 21	10 22	22 4	21 49	20 24			n.a.
T 30	20 30	20 56	0s57	16 49	0 28	3 25	2 41	24 8	1 1	15 15	0 41	8 59	2 8	15 55	0 46	5 31	1 55	32 21	10 23	22 4	21 50	20 24			n.a.
F 31	20n42	18s49	1s58	17n33	0s17	3n47	2s42	24n12	1n 1	15n19	0s41	9n 2	2s 8	15s55	0s46	5n31	1n55	32s22	10s23	22n 4	21n50	20s23			n.a.

Julian Day Number = 1472808.5, Delta T = 05h29m28s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'27, Lahiri = -13°21'26 Julian Calendar 1 May 681 BCE == Greg. Calendar 24 Apr. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

JUNE 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 9 37	2♊13'22	25♒34	21♉25	16♈42	18♊15	13♉15	28♈27	19°R28	20°R38	20°R56	21♋20	22♋37	4♒57	n.a.	S 1
S 2	16 13 34	3°10'28	7♓32	23°28	17°42	18°53	13°29	28°34	19♒28	20♍38	20♎55	21°R20	22°33	5° 3	n.a.	S 2
M 3	16 17 30	4° 7'34	19°42	25°33	18°43	19°31	13°42	28°41	19°28	20°38	20°54	21°18	22°30	5°10	n.a.	M 3
T 4	16 21 27	5° 4'41	2♈10	27°39	19°44	20°10	13°56	28°47	19°28	20°38	20°53	21°15	22°27	5°17	n.a.	T 4
W 5	16 25 23	6° 1'48	14°58	29°47	20°45	20°48	14° 9	28°54	19°27	20°37	20°53	21°10	22°24	5°23	n.a.	W 5
T 6	16 29 20	6°58'56	28°11	1♊55	21°46	21°26	14°22	29° 1	19°27	20°37	20°52	21° 4	22°21	5°30	n.a.	T 6
F 7	16 33 16	7°56'05	11♉47	4° 4	22°48	22° 4	14°35	29° 8	19°27	20°37	20°51	20°57	22°17	5°37	n.a.	F 7
S 8	16 37 13	8°53'14	25°46	6°13	23°50	22°42	14°49	29°15	19°27	20°37	20°50	20°50	22°14	5°43	n.a.	S 8
S 9	16 41 9	9°50'23	10♊ 4	8°22	24°52	23°20	15° 2	29°21	19°26	20°D37	20°49	20°45	22°11	5°50	n.a.	S 9
M10	16 45 6	10°47'34	24°35	10°31	25°54	23°58	15°15	29°28	19°26	20°37	20°48	20°41	22° 8	5°56	n.a.	M10
T 11	16 49 3	11°44'44	9♋13	12°39	26°57	24°36	15°28	29°34	19°25	20°37	20°47	20°39	22° 5	6° 3	n.a.	T 11
W12	16 52 59	12°41'55	23°53	14°47	28° 0	25°15	15°41	29°41	19°25	20°37	20°46	20°D38	22° 2	6°10	n.a.	W12
T 13	16 56 56	13°39'06	8♌27	16°53	29° 3	25°53	15°54	29°47	19°24	20°37	20°45	20°39	21°58	6°16	n.a.	T 13
F 14	17 0 52	14°36'18	22°51	18°59	0♉ 7	26°31	16° 7	29°54	19°24	20°38	20°44	20°40	21°55	6°23	n.a.	F 14
S 15	17 4 49	15°33'30	7♍ 4	21° 3	1°11	27° 9	16°20	0♉ 0	19°23	20°38	20°43	20°41	21°52	6°30	n.a.	S 15
S 16	17 8 45	16°30'42	21° 2	23° 6	2°15	27°47	16°33	0° 6	19°22	20°38	20°42	20°R42	21°49	6°36	n.a.	S 16
M17	17 12 42	17°27'54	4♎46	25° 7	3°19	28°25	16°45	0°13	19°22	20°38	20°41	20°40	21°46	6°43	n.a.	M17
T 18	17 16 39	18°25'07	18°16	27° 7	4°23	29° 3	16°58	0°19	19°21	20°39	20°40	20°38	21°43	6°50	n.a.	T 18
W19	17 20 35	19°22'20	1♏31	29° 5	5°28	29°41	17°11	0°25	19°20	20°39	20°39	20°34	21°39	6°56	n.a.	W19
T 20	17 24 32	20°19'34	14°32	1♋ 2	6°32	0♋19	17°23	0°31	19°19	20°39	20°38	20°29	21°36	7° 3	n.a.	T 20
F 21	17 28 28	21°16'49	27°19	2°57	7°37	0°58	17°36	0°37	19°18	20°40	20°37	20°25	21°33	7°10	n.a.	F 21
S 22	17 32 25	22°14'04	9♐53	4°51	8°43	1°36	17°48	0°43	19°17	20°40	20°36	20°20	21°30	7°16	n.a.	S 22
S 23	17 36 21	23°11'21	22°15	6°42	9°48	2°14	18° 1	0°49	19°16	20°40	20°35	20°17	21°27	7°23	n.a.	S 23
M24	17 40 18	24° 8'38	4♑26	8°32	10°53	2°52	18°13	0°55	19°15	20°41	20°33	20°14	21°23	7°30	n.a.	M24
T 25	17 44 14	25° 5'56	16°27	10°21	11°59	3°30	18°26	1° 0	19°14	20°41	20°32	20°D13	21°20	7°36	n.a.	T 25
W26	17 48 11	26° 3'15	28°20	12° 8	13° 5	4° 8	18°38	1° 6	19°13	20°42	20°31	20°14	21°17	7°43	n.a.	W26
T 27	17 52 8	27° 0'35	10♒ 9	13°53	14°11	4°46	18°50	1°12	19°12	20°42	20°30	20°15	21°14	7°50	n.a.	T 27
F 28	17 56 4	27°57'57	21°57	15°36	15°18	5°24	19° 2	1°17	19°11	20°43	20°29	20°16	21°11	7°56	n.a.	F 28
S 29	18 0 1	28°55'20	3♓48	17°18	16°24	6° 2	19°14	1°23	19°10	20°44	20°28	20°18	21° 8	8° 3	n.a.	S 29
S 30	18 3 57	29♊52'44	15♓45	18♋58	17♉31	6♋41	19♉26	1♉28	19♒ 8	20♍44	20♎26	20♋19	21♋ 4	8♒10	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n54	15s55	2s54	18n17	0s 5	4n 9	2s43	24n16	1n 1	15n23	0s41	9n 4	2s 8	15s55	0s46	5n31	1n55	32s22	10s23	22n 4	21n51	20s22		n.a.
S 2	21 5	12 19	3 44	19 0	0n 6	4 31	2 44	24 20	1 2	15 27	0 41	9 7	2 9	15 55	0 46	5 31	1 55	32 22	10 23	22 4	21 52	20 21		n.a.
M 3	21 16	8 10	4 24	19 41	0 17	4 54	2 45	24 23	1 2	15 31	0 41	9 9	2 9	15 55	0 46	5 31	1 55	32 23	10 24	22 4	21 52	20 20		n.a.
T 4	21 27	3 35	4 52	20 21	0 27	5 16	2 46	24 26	1 2	15 36	0 41	9 12	2 9	15 55	0 46	5 31	1 55	32 23	10 24	22 4	21 53	20 20		n.a.
W 5	21 37	1n16	5 7	20 59	0 37	5 39	2 46	24 29	1 2	15 40	0 41	9 14	2 9	15 55	0 46	5 31	1 55	32 24	10 24	22 5	21 53	20 19		n.a.
T 6	21 47	6 12	5 7	21 36	0 47	6 2	2 47	24 32	1 2	15 44	0 41	9 16	2 9	15 55	0 46	5 31	1 55	32 24	10 24	22 6	21 54	20 18		n.a.
F 7	21 56	11 0	4 49	22 10	0 56	6 24	2 47	24 35	1 3	15 48	0 41	9 19	2 9	15 56	0 46	5 31	1 55	32 24	10 25	22 7	21 54	20 17		n.a.
S 8	22 6	15 21	4 14	22 42	1 4	6 47	2 47	24 37	1 3	15 52	0 41	9 21	2 9	15 56	0 46	5 31	1 54	32 25	10 25	22 8	21 55	20 16		n.a.
S 9	22 14	18 56	3 22	23 12	1 12	7 10	2 47	24 39	1 3	15 56	0 41	9 23	2 9	15 56	0 46	5 31	1 54	32 25	10 25	22 9	21 55	20 15		n.a.
M10	22 23	21 23	2 17	23 38	1 19	7 33	2 47	24 41	1 3	15 59	0 41	9 26	2 9	15 56	0 46	5 31	1 54	32 26	10 25	22 10	21 56	20 15		n.a.
T 11	22 31	22 25	1 2	24 3	1 25	7 56	2 47	24 43	1 3	16 3	0 40	9 28	2 9	15 56	0 46	5 31	1 54	32 26	10 26	22 10	21 56	20 14		n.a.
W12	22 38	21 55	0n18	24 24	1 31	8 19	2 47	24 45	1 4	16 7	0 40	9 30	2 9	15 56	0 46	5 31	1 54	32 26	10 26	22 10	21 57	20 13		n.a.
T 13	22 46	19 57	1 36	24 43	1 36	8 42	2 46	24 46	1 4	16 11	0 40	9 32	2 10	15 57	0 46	5 31	1 54	32 27	10 26	22 10	21 57	20 12		n.a.
F 14	22 52	16 43	2 47	24 59	1 41	9 5	2 46	24 48	1 4	16 15	0 40	9 34	2 10	15 57	0 46	5 30	1 54	32 27	10 26	22 10	21 58	20 11		n.a.
S 15	22 59	12 32	3 47	25 12	1 44	9 28	2 45	24 49	1 4	16 19	0 40	9 37	2 10	15 57	0 47	5 30	1 54	32 27	10 26	22 9	21 58	20 10		n.a.
S 16	23 5	7 45	4 32	25 22	1 47	9 51	2 45	24 50	1 4	16 22	0 40	9 39	2 10	15 57	0 47	5 30	1 54	32 28	10 27	22 9	21 59	20 9		n.a.
M17	23 11	2 40	5 1	25 30	1 49	10 14	2 44	24 51	1 5	16 26	0 40	9 41	2 10	15 58	0 47	5 30	1 54	32 28	10 27	22 10	21 59	20 9		n.a.
T 18	23 16	2s27	5 12	25 35	1 51	10 37	2 43	24 51	1 5	16 30	0 40	9 43	2 10	15 58	0 47	5 30	1 54	32 29	10 27	22 10	22 0	20 8		n.a.
W19	23 21	7 22	5 7	25 38	1 52	10 59	2 42	24 51	1 5	16 34	0 40	9 45	2 10	15 58	0 47	5 30	1 54	32 29	10 27	22 11	22 0	20 7		n.a.
T 20	23 25	11 53	4 46	25 38	1 52	11 22	2 40	24 52	1 5	16 37	0 40	9 47	2 10	15 58	0 47	5 30	1 54	32 29	10 27	22 11	22 1	20 6		n.a.
F 21	23 29	15 46	4 10	25 36	1 51	11 45	2 39	24 52	1 5	16 41	0 40	9 49	2 11	15 59	0 47	5 29	1 54	32 30	10 28	22 12	22 1	20 5		n.a.
S 22	23 33	18 53	3 24	25 32	1 50	12 7	2 38	24 51	1 5	16 44	0 40	9 51	2 11	15 59	0 47	5 29	1 54	32 30	10 28	22 13	22 2	20 4		n.a.
S 23	23 36	21 5	2 28	25 25	1 49	12 29	2 36	24 51	1 6	16 48	0 40	9 53	2 11	15 59	0 47	5 29	1 54	32 30	10 28	22 13	22 2	20 3		n.a.
M24	23 39	22 16	1 26	25 16	1 47	12 51	2 35	24 50	1 6	16 51	0 40	9 55	2 11	16 0	0 47	5 29	1 54	32 31	10 28	22 14	22 3	20 2		n.a.
T 25	23 41	22 24	0 21	25 6	1 44	13 13	2 33	24 50	1 6	16 55	0 40	9 56	2 11	16 0	0 47	5 28	1 53	32 31	10 28	22 14	22 3	20 1		n.a.
W26	23 43	21 31	0s45	24 53	1 41	13 35	2 31	24 49	1 6	16 58	0 40	9 58	2 11	16 1	0 47	5 28	1 53	32 32	10 29	22 14	22 4	20 0		n.a.
T 27	23 44	19 40	1 48	24 39	1 37	13 57	2 30	24 48	1 6	17 2	0 40	10 0	2 11	16 1	0 47	5 28	1 53	32 32	10 29	22 14	22 4	19 59		n.a.
F 28	23 46	17 0	2 46	24 23	1 33	14 18	2 28	24 46	1 6	17 5	0 40	10 2	2 12	16 1	0 47	5 28	1 53	32 32	10 29	22 13	22 5	19 59		n.a.
S 29	23 46	13 38	3 38	24 6	1 29	14 39	2 26	24 45	1 7	17 9	0 40	10 4	2 12	16 2	0 47	5 27	1 53	32 33	10 29	22 13	22 5	19 58		n.a.
S 30	23n47	9s41	4s21	23n48	1n24	15n 0	2s24	24n43	1n 7	17n12	0s40	10n 5	2s12	16s 2	0s47	5n27	1n53	32s33	10s29	22n13	22n 6	19s57		n.a.

Julian Day Number = 1472839.5, Delta T = 05h29m27s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'23, Lahiri = -13°21'22 Julian Calendar 1 June 681 BCE == Greg. Calendar 25 May 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

JULY 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 7 54	0♋50'09	27♓55	20♋36	18♉37	7♋19	19♉38	1♉33	19°R 7	20♍45	20°R25	20°R20	21♋ 1	8♒16	n.a.	M 1
T 2	18 11 50	1°47'36	10♈21	22°13	19°44	7°57	19°50	1°38	19♒ 6	20°46	20♏24	20♋20	20°58	8°23	n.a.	T 2
W 3	18 15 47	2°45'04	23° 8	23°48	20°52	8°35	20° 2	1°44	19° 4	20°46	20°23	20°19	20°55	8°29	n.a.	W 3
T 4	18 19 43	3°42'33	6♉18	25°22	21°59	9°13	20°14	1°49	19° 3	20°47	20°21	20°17	20°52	8°36	n.a.	T 4
F 5	18 23 40	4°40'05	19°55	26°54	23° 6	9°51	20°25	1°54	19° 1	20°48	20°20	20°15	20°49	8°43	n.a.	F 5
S 6	18 27 37	5°37'37	3♊58	28°24	24°14	10°30	20°37	1°59	19° 0	20°49	20°19	20°13	20°45	8°49	n.a.	S 6
S 7	18 31 33	6°35'12	18°25	29°53	25°22	11° 8	20°48	2° 3	18°58	20°50	20°18	20°11	20°42	8°56	n.a.	S 7
M 8	18 35 30	7°32'47	3♋11	1♌20	26°30	11°46	21° 0	2° 8	18°57	20°51	20°16	20°10	20°39	9° 3	n.a.	M 8
T 9	18 39 26	8°30'25	18° 8	2°45	27°38	12°24	21°11	2°13	18°55	20°52	20°15	20°D10	20°36	9° 9	n.a.	T 9
W10	18 43 23	9°28'03	3♌ 9	4° 9	28°46	13° 2	21°22	2°17	18°53	20°53	20°14	20°10	20°33	9°16	n.a.	W10
T 11	18 47 19	10°25'43	18° 5	5°31	29°54	13°40	21°34	2°22	18°52	20°54	20°13	20°11	20°29	9°23	n.a.	T 11
F 12	18 51 16	11°23'23	2♍49	6°51	1♊ 2	14°19	21°45	2°26	18°50	20°55	20°11	20°12	20°26	9°29	n.a.	F 12
S 13	18 55 12	12°21'05	17°16	8° 9	2°11	14°57	21°56	2°31	18°48	20°56	20°10	20°12	20°23	9°36	n.a.	S 13
S 14	18 59 9	13°18'48	1♎22	9°26	3°20	15°35	22° 7	2°35	18°46	20°57	20° 9	20°13	20°20	9°43	n.a.	S 14
M15	19 3 6	14°16'33	15° 7	10°40	4°28	16°13	22°18	2°39	18°44	20°58	20° 7	20°R13	20°17	9°49	n.a.	M15
T 16	19 7 2	15°14'18	28°30	11°52	5°37	16°52	22°28	2°43	18°43	20°59	20° 6	20°13	20°14	9°56	n.a.	T 16
W17	19 10 59	16°12'05	11♏33	13° 3	6°46	17°30	22°39	2°47	18°41	21° 0	20° 5	20°12	20°10	10° 3	n.a.	W17
T 18	19 14 55	17° 9'53	24°19	14°11	7°56	18° 8	22°49	2°51	18°39	21° 1	20° 3	20°12	20° 7	10° 9	n.a.	T 18
F 19	19 18 52	18° 7'43	6♐49	15°17	9° 5	18°46	23° 0	2°55	18°37	21° 2	20° 2	20°12	20° 4	10°16	n.a.	F 19
S 20	19 22 48	19° 5'34	19° 7	16°20	10°14	19°24	23°10	2°59	18°35	21° 4	20° 1	20°12	20° 1	10°23	n.a.	S 20
S 21	19 26 45	20° 3'26	1♑14	17°21	11°24	20° 3	23°21	3° 2	18°33	21° 5	20° 0	20°D11	19°58	10°29	n.a.	S 21
M22	19 30 41	21° 1'21	13°14	18°20	12°33	20°41	23°31	3° 6	18°31	21° 6	19°58	20°11	19°55	10°36	n.a.	M22
T 23	19 34 38	21°59'16	25° 7	19°15	13°43	21°19	23°41	3° 9	18°29	21° 8	19°57	20°R11	19°51	10°43	n.a.	T 23
W24	19 38 35	22°57'14	6♒57	20° 8	14°53	21°58	23°51	3°13	18°27	21° 9	19°56	20°11	19°48	10°49	n.a.	W24
T 25	19 42 31	23°55'13	18°45	20°58	16° 3	22°36	24° 1	3°16	18°24	21°10	19°54	20°11	19°45	10°56	n.a.	T 25
F 26	19 46 28	24°53'14	0♓34	21°44	17°13	23°14	24°10	3°19	18°22	21°12	19°53	20°11	19°42	11° 3	n.a.	F 26
S 27	19 50 24	25°51'17	12°27	22°27	18°23	23°53	24°20	3°22	18°20	21°13	19°52	20°10	19°39	11° 9	n.a.	S 27
S 28	19 54 21	26°49'22	24°26	23° 6	19°34	24°31	24°29	3°25	18°18	21°15	19°50	20° 9	19°35	11°16	n.a.	S 28
M29	19 58 17	27°47'29	6♈37	23°41	20°44	25° 9	24°39	3°28	18°16	21°16	19°49	20° 8	19°32	11°23	n.a.	M29
T 30	20 2 14	28°45'38	19° 1	24°12	21°55	25°48	24°48	3°31	18°14	21°18	19°48	20° 8	19°29	11°29	n.a.	T 30
W31	20 6 10	29♋43'50	1♉44	24♌38	23♊ 5	26♋26	24♉57	3♉33	18♒11	21♍19	19♏46	20°D 8	19♋26	11♒36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23n46	5s18	4s52	23n28	1n18	15n21	2s21	24n41	1n 7	17n15	0s40	10n 7	2s12	16s 3	0s47	5n27	1n53	32s33	10s29	22n13	22n 6	19s56			n.a.
T 2	23 46	0 37	5 11	23 6	1 12	15 41	2 19	24 39	1 7	17 18	0 40	10 9	2 12	16 3	0 47	5 26	1 53	32 34	10 30	22 13	22 7	19 55			n.a.
W 3	23 45	4n14	5 16	22 44	1 6	16 1	2 17	24 37	1 7	17 22	0 40	10 10	2 12	16 4	0 47	5 26	1 53	32 34	10 30	22 13	22 7	19 54			n.a.
T 4	23 43	9 2	5 4	22 20	1 0	16 21	2 15	24 34	1 7	17 25	0 40	10 12	2 12	16 4	0 47	5 26	1 53	32 34	10 30	22 13	22 8	19 53			n.a.
F 5	23 42	13 33	4 35	21 56	0 53	16 41	2 12	24 31	1 7	17 28	0 40	10 14	2 13	16 5	0 47	5 25	1 53	32 35	10 30	22 14	22 8	19 52			n.a.
S 6	23 39	17 30	3 49	21 31	0 46	17 0	2 10	24 29	1 8	17 31	0 40	10 15	2 13	16 5	0 47	5 25	1 53	32 35	10 30	22 14	22 9	19 51			n.a.
S 7	23 37	20 29	2 47	21 5	0 38	17 19	2 7	24 26	1 8	17 34	0 40	10 17	2 13	16 6	0 47	5 24	1 53	32 35	10 30	22 14	22 9	19 50			n.a.
M 8	23 33	22 11	1 33	20 38	0 30	17 37	2 5	24 22	1 8	17 37	0 40	10 18	2 13	16 6	0 47	5 24	1 53	32 36	10 30	22 14	22 10	19 49			n.a.
T 9	23 30	22 21	0 11	20 11	0 22	17 56	2 2	24 19	1 8	17 40	0 40	10 20	2 13	16 7	0 47	5 24	1 53	32 36	10 30	22 14	22 10	19 48			n.a.
W10	23 26	20 53	1n11	19 43	0 14	18 14	1 59	24 15	1 8	17 43	0 40	10 21	2 13	16 7	0 47	5 23	1 53	32 36	10 31	22 14	22 11	19 47			n.a.
T 11	23 22	17 59	2 29	19 15	0 5	18 31	1 56	24 12	1 8	17 46	0 40	10 23	2 14	16 8	0 47	5 23	1 53	32 37	10 31	22 14	22 11	19 46			n.a.
F 12	23 17	13 57	3 35	18 46	0s 4	18 48	1 54	24 8	1 8	17 49	0 39	10 24	2 14	16 8	0 47	5 22	1 52	32 37	10 31	22 14	22 12	19 45			n.a.
S 13	23 12	9 11	4 27	18 17	0 13	19 5	1 51	24 3	1 8	17 52	0 39	10 25	2 14	16 9	0 47	5 22	1 52	32 37	10 31	22 14	22 12	19 44			n.a.
S 14	23 6	4 2	5 1	17 48	0 22	19 21	1 48	23 59	1 8	17 55	0 39	10 27	2 14	16 10	0 47	5 21	1 52	32 38	10 31	22 14	22 13	19 43			n.a.
M15	23 0	1s11	5 16	17 18	0 31	19 37	1 45	23 55	1 9	17 58	0 39	10 28	2 14	16 10	0 47	5 21	1 52	32 38	10 31	22 14	22 13	19 42			n.a.
T 16	22 53	6 12	5 14	16 49	0 41	19 52	1 42	23 50	1 9	18 1	0 39	10 29	2 15	16 11	0 48	5 20	1 52	32 38	10 31	22 14	22 14	19 41			n.a.
W17	22 47	10 49	4 56	16 20	0 51	20 7	1 39	23 45	1 9	18 3	0 39	10 30	2 15	16 11	0 48	5 20	1 52	32 38	10 31	22 14	22 14	19 40			n.a.
T 18	22 39	14 52	4 23	15 51	1 1	20 22	1 36	23 40	1 9	18 6	0 39	10 31	2 15	16 12	0 48	5 19	1 52	32 39	10 31	22 14	22 15	19 39			n.a.
F 19	22 32	18 10	3 38	15 22	1 11	20 36	1 33	23 35	1 9	18 9	0 39	10 33	2 15	16 13	0 48	5 19	1 52	32 39	10 31	22 14	22 15	19 38			n.a.
S 20	22 24	20 36	2 44	14 53	1 21	20 49	1 30	23 29	1 9	18 12	0 39	10 34	2 15	16 13	0 48	5 18	1 52	32 39	10 31	22 14	22 16	19 37			n.a.
S 21	22 15	22 3	1 43	14 25	1 31	21 2	1 26	23 24	1 9	18 14	0 39	10 35	2 15	16 14	0 48	5 18	1 52	32 40	10 31	22 14	22 16	19 36			n.a.
M22	22 6	22 28	0 39	13 57	1 41	21 15	1 23	23 18	1 9	18 17	0 39	10 36	2 16	16 15	0 48	5 17	1 52	32 40	10 31	22 14	22 17	19 35			n.a.
T 23	21 57	21 51	0s27	13 30	1 52	21 27	1 20	23 12	1 9	18 19	0 39	10 37	2 16	16 15	0 48	5 17	1 52	32 40	10 31	22 14	22 17	19 34			n.a.
W24	21 48	20 17	1 32	13 3	2 2	21 38	1 17	23 6	1 9	18 22	0 39	10 38	2 16	16 16	0 48	5 16	1 52	32 40	10 32	22 14	22 18	19 32			n.a.
T 25	21 38	17 49	2 32	12 38	2 12	21 49	1 13	23 0	1 9	18 24	0 39	10 39	2 16	16 17	0 48	5 15	1 52	32 41	10 32	22 14	22 18	19 31			n.a.
F 26	21 27	14 38	3 26	12 13	2 22	21 59	1 10	22 53	1 10	18 27	0 39	10 40	2 16	16 17	0 48	5 15	1 52	32 41	10 32	22 14	22 18	19 30			n.a.
S 27	21 16	10 51	4 11	11 49	2 33	22 9	1 7	22 47	1 10	18 29	0 39	10 40	2 17	16 18	0 48	5 14	1 52	32 41	10 32	22 14	22 19	19 29			n.a.
S 28	21 5	6 36	4 46	11 27	2 43	22 18	1 4	22 40	1 10	18 31	0 39	10 41	2 17	16 19	0 48	5 13	1 52	32 41	10 32	22 14	22 19	19 28			n.a.
M29	20 54	2 3	5 9	11 6	2 53	22 27	1 0	22 33	1 10	18 34	0 39	10 42	2 17	16 19	0 48	5 13	1 52	32 41	10 32	22 15	22 20	19 27			n.a.
T 30	20 42	2n40	5 17	10 47	3 2	22 35	0 57	22 26	1 10	18 36	0 39	10 43	2 17	16 20	0 48	5 12	1 52	32 42	10 32	22 15	22 20	19 26			n.a.
W31	20n30	7n23	5s11	10n29	3s12	22n42	0s54	22n18	1n10	18n38	0s39	10n43	2s17	16s21	0s48	5n12	1n52	32s42	10s32	22n15	22n21	19s25			n.a.

Julian Day Number = 1472869.5, Delta T = 05h29m25s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'19, Lahiri = -13°21'18 Julian Calendar 1 July 681 BCE == Greg. Calendar 24 June 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

AUGUST 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 10 7	0♌42'03	14♉49	25♌ 0	24♊16	27♋ 4	25♉ 6	3♉36	18°R 9	21♍21	19°R45	20♋ 8	19♋23	11♒42	n.a.	T 1
F 2	20 14 4	1°40'19	28°19	25°17	25°27	27°43	25°15	3°38	18♒ 7	21°22	19♑44	20° 9	19°20	11°49	n.a.	F 2
S 3	20 18 0	2°38'37	12♊15	25°28	26°38	28°21	25°24	3°41	18° 5	21°24	19°43	20°10	19°16	11°56	n.a.	S 3
S 4	20 21 57	3°36'57	26°37	25°R33	27°49	29° 0	25°33	3°43	18° 2	21°26	19°41	20°11	19°13	12° 2	n.a.	S 4
M 5	20 25 53	4°35'19	11♋23	25°33	29° 0	29°38	25°41	3°45	18° 0	21°27	19°40	20°11	19°10	12° 9	n.a.	M 5
T 6	20 29 50	5°33'43	26°25	25°26	0♋11	0♌16	25°50	3°47	17°58	21°29	19°39	20°R11	19° 7	12°16	n.a.	T 6
W 7	20 33 46	6°32'10	11♌37	25°13	1°23	0°55	25°58	3°49	17°55	21°31	19°38	20°11	19° 4	12°22	n.a.	W 7
T 8	20 37 43	7°30'38	26°49	24°53	2°34	1°33	26° 6	3°51	17°53	21°32	19°36	20° 9	19° 0	12°29	n.a.	T 8
F 9	20 41 39	8°29'08	11♍50	24°26	3°46	2°12	26°14	3°53	17°51	21°34	19°35	20° 7	18°57	12°36	n.a.	F 9
S 10	20 45 36	9°27'40	26°33	23°53	4°57	2°50	26°22	3°54	17°48	21°36	19°34	20° 4	18°54	12°42	n.a.	S 10
S 11	20 49 33	10°26'13	10♎52	23°14	6° 9	3°29	26°30	3°56	17°46	21°38	19°33	20° 2	18°51	12°49	n.a.	S 11
M12	20 53 29	11°24'49	24°45	22°28	7°21	4° 7	26°38	3°57	17°43	21°39	19°31	20° 0	18°48	12°56	n.a.	M12
T 13	20 57 26	12°23'26	8♏10	21°36	8°33	4°46	26°45	3°58	17°41	21°41	19°30	20°D 0	18°45	13° 2	n.a.	T 13
W14	21 1 22	13°22'05	21°11	20°40	9°45	5°24	26°53	4° 0	17°39	21°43	19°29	20° 0	18°41	13° 9	n.a.	W14
T 15	21 5 19	14°20'46	3♐50	19°39	10°57	6° 3	27° 0	4° 1	17°36	21°45	19°28	20° 1	18°38	13°16	n.a.	T 15
F 16	21 9 15	15°19'28	16°11	18°36	12° 9	6°42	27° 7	4° 2	17°34	21°47	19°27	20° 2	18°35	13°22	n.a.	F 16
S 17	21 13 12	16°18'13	28°18	17°32	13°21	7°20	27°14	4° 2	17°31	21°49	19°26	20° 4	18°32	13°29	n.a.	S 17
S 18	21 17 8	17°16'59	10♑16	16°28	14°33	7°59	27°21	4° 3	17°29	21°51	19°24	20° 5	18°29	13°36	n.a.	S 18
M19	21 21 5	18°15'48	22° 8	15°25	15°46	8°37	27°27	4° 4	17°27	21°52	19°23	20°R 6	18°26	13°42	n.a.	M19
T 20	21 25 2	19°14'38	3♒56	14°25	16°58	9°16	27°34	4° 4	17°24	21°54	19°22	20° 5	18°22	13°49	n.a.	T 20
W21	21 28 58	20°13'31	15°45	13°31	18°11	9°55	27°40	4° 5	17°22	21°56	19°21	20° 2	18°19	13°56	n.a.	W21
T 22	21 32 55	21°12'25	27°35	12°43	19°23	10°33	27°46	4° 5	17°19	21°58	19°20	19°58	18°16	14° 2	n.a.	T 22
F 23	21 36 51	22°11'22	9♓29	12° 2	20°36	11°12	27°52	4° 5	17°17	22° 0	19°19	19°53	18°13	14° 9	n.a.	F 23
S 24	21 40 48	23°10'21	21°28	11°30	21°49	11°51	27°58	4°R 5	17°15	22° 2	19°18	19°47	18°10	14°16	n.a.	S 24
S 25	21 44 44	24° 9'22	3♈35	11° 7	23° 2	12°29	28° 4	4° 5	17°12	22° 4	19°17	19°41	18° 6	14°22	n.a.	S 25
M26	21 48 41	25° 8'25	15°51	10°55	24°15	13° 8	28° 9	4° 5	17°10	22° 6	19°16	19°36	18° 3	14°29	n.a.	M26
T 27	21 52 37	26° 7'31	28°19	10°D52	25°28	13°47	28°15	4° 5	17° 7	22° 8	19°15	19°31	18° 0	14°36	n.a.	T 27
W28	21 56 34	27° 6'39	11♉ 3	11° 0	26°41	14°26	28°20	4° 4	17° 5	22°11	19°14	19°28	17°57	14°42	n.a.	W28
T 29	22 0 30	28° 5'50	24° 3	11°19	27°54	15° 4	28°25	4° 4	17° 3	22°13	19°13	19°D27	17°54	14°49	n.a.	T 29
F 30	22 4 27	29° 5'03	7♊25	11°47	29° 7	15°43	28°30	4° 3	17° 0	22°15	19°12	19°27	17°51	14°56	n.a.	F 30
S 31	22 8 24	0♍ 4'19	21♊ 9	12♌24	0♌21	16♌22	28♉34	4♉ 3	16♒58	22♍17	19♑11	19♋28	17♋47	15♒ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20n17	11n55	4s48	10n13	3s21	22n49	0s50	22n11	1n10	18n41	0s39	10n44	2s18	16s22	0s48	5n11	1n52	32s42	10s32	22n15	22n21	19s24			n.a.
F 2	20 4	16 0	4 10	10 0	3 29	22 55	0 47	22 3	1 10	18 43	0 39	10 45	2 18	16 22	0 48	5 10	1 51	32 42	10 32	22 14	22 22	19 23			n.a.
S 3	19 51	19 21	3 15	9 48	3 37	23 0	0 44	21 55	1 10	18 45	0 39	10 45	2 18	16 23	0 48	5 10	1 51	32 43	10 32	22 14	22 22	19 22			n.a.
S 4	19 37	21 37	2 7	9 39	3 45	23 5	0 40	21 47	1 10	18 47	0 39	10 46	2 18	16 24	0 48	5 9	1 51	32 43	10 32	22 14	22 23	19 20			n.a.
M 5	19 23	22 28	0 49	9 33	3 52	23 9	0 37	21 39	1 10	18 49	0 39	10 47	2 18	16 25	0 48	5 8	1 51	32 43	10 32	22 14	22 23	19 19			n.a.
T 6	19 9	21 44	0n34	9 30	3 58	23 13	0 34	21 31	1 10	18 51	0 39	10 47	2 19	16 25	0 48	5 7	1 51	32 43	10 32	22 14	22 24	19 18			n.a.
W 7	18 54	19 24	1 56	9 30	4 2	23 16	0 30	21 23	1 10	18 53	0 39	10 47	2 19	16 26	0 48	5 7	1 51	32 43	10 32	22 14	22 24	19 17			n.a.
T 8	18 39	15 42	3 9	9 33	4 6	23 18	0 27	21 14	1 10	18 55	0 39	10 48	2 19	16 27	0 48	5 6	1 51	32 43	10 32	22 14	22 24	19 16			n.a.
F 9	18 24	11 2	4 8	9 39	4 9	23 20	0 24	21 5	1 10	18 57	0 39	10 48	2 19	16 28	0 48	5 5	1 51	32 44	10 32	22 15	22 25	19 15			n.a.
S 10	18 8	5 48	4 50	9 49	4 10	23 21	0 20	20 56	1 10	18 59	0 39	10 49	2 20	16 28	0 48	5 5	1 51	32 44	10 32	22 15	22 25	19 14			n.a.
S 11	17 52	0 24	5 12	10 3	4 9	23 21	0 17	20 47	1 10	19 1	0 39	10 49	2 20	16 29	0 48	5 4	1 51	32 44	10 31	22 15	22 26	19 12			n.a.
M12	17 36	4s51	5 15	10 20	4 7	23 20	0 14	20 38	1 10	19 2	0 39	10 49	2 20	16 30	0 48	5 3	1 51	32 44	10 31	22 16	22 26	19 11			n.a.
T 13	17 19	9 42	5 0	10 40	4 3	23 19	0 10	20 29	1 10	19 4	0 39	10 49	2 20	16 31	0 48	5 2	1 51	32 44	10 31	22 16	22 27	19 10			n.a.
W14	17 3	13 58	4 30	11 4	3 57	23 18	0 7	20 19	1 10	19 6	0 39	10 50	2 20	16 31	0 48	5 2	1 51	32 44	10 31	22 16	22 27	19 9			n.a.
T 15	16 45	17 29	3 48	11 31	3 48	23 15	0 4	20 10	1 10	19 8	0 39	10 50	2 21	16 32	0 48	5 1	1 51	32 44	10 31	22 16	22 28	19 8			n.a.
F 16	16 28	20 8	2 56	12 0	3 38	23 12	0 1	20 0	1 10	19 9	0 39	10 50	2 21	16 33	0 48	5 0	1 51	32 45	10 31	22 15	22 28	19 7			n.a.
S 17	16 10	21 49	1 57	12 31	3 26	23 8	0n 2	19 50	1 10	19 11	0 39	10 50	2 21	16 34	0 48	4 59	1 51	32 45	10 31	22 15	22 28	19 5			n.a.
S 18	15 52	22 29	0 54	13 4	3 12	23 3	0 5	19 40	1 10	19 12	0 39	10 50	2 21	16 34	0 48	4 58	1 51	32 45	10 31	22 15	22 29	19 4			n.a.
M19	15 34	22 7	0s11	13 38	2 57	22 58	0 8	19 30	1 10	19 14	0 39	10 50	2 21	16 35	0 48	4 58	1 51	32 45	10 31	22 15	22 29	19 3			n.a.
T 20	15 16	20 46	1 15	14 11	2 40	22 52	0 11	19 19	1 11	19 15	0 39	10 50	2 22	16 36	0 48	4 57	1 51	32 45	10 31	22 15	22 30	19 2			n.a.
W21	14 57	18 30	2 16	14 45	2 21	22 46	0 14	19 9	1 11	19 17	0 39	10 50	2 22	16 37	0 48	4 56	1 51	32 45	10 31	22 15	22 30	19 1			n.a.
T 22	14 38	15 28	3 11	15 17	2 2	22 38	0 17	18 58	1 11	19 18	0 39	10 50	2 22	16 37	0 48	4 55	1 51	32 45	10 31	22 16	22 31	18 59			n.a.
F 23	14 19	11 47	3 58	15 47	1 43	22 30	0 20	18 47	1 10	19 20	0 39	10 50	2 22	16 38	0 48	4 54	1 51	32 45	10 31	22 17	22 31	18 58			n.a.
S 24	13 59	7 37	4 34	16 15	1 23	22 22	0 23	18 36	1 10	19 21	0 39	10 50	2 22	16 39	0 48	4 54	1 51	32 45	10 31	22 18	22 31	18 57			n.a.
S 25	13 39	3 7	4 59	16 40	1 4	22 13	0 26	18 25	1 10	19 22	0 39	10 49	2 23	16 39	0 48	4 53	1 51	32 45	10 30	22 19	22 32	18 56			n.a.
M26	13 19	1n33	5 11	17 2	0 44	22 3	0 29	18 14	1 10	19 23	0 39	10 49	2 23	16 40	0 48	4 52	1 51	32 45	10 30	22 19	22 32	18 55			n.a.
T 27	12 59	6 15	5 8	17 20	0 26	21 52	0 32	18 3	1 10	19 25	0 39	10 49	2 23	16 41	0 48	4 51	1 51	32 45	10 30	22 20	22 33	18 53			n.a.
W28	12 39	10 46	4 50	17 35	0 8	21 41	0 34	17 51	1 10	19 26	0 39	10 49	2 23	16 42	0 48	4 50	1 51	32 45	10 30	22 20	22 33	18 52			n.a.
T 29	12 18	14 55	4 16	17 46	0n 9	21 29	0 37	17 40	1 10	19 27	0 39	10 48	2 24	16 42	0 48	4 49	1 51	32 45	10 30	22 21	22 34	18 51			n.a.
F 30	11 57	18 25	3 29	17 54	0 25	21 16	0 40	17 28	1 10	19 28	0 39	10 48	2 24	16 43	0 48	4 48	1 51	32 46	10 30	22 21	22 34	18 50			n.a.
S 31	11n36	21n 1	2s28	17n57	0n39	21n 3	0n42	17n16	1n10	19n29	0s39	10n47	2s24	16s44	0s48	4n48	1n51	32s46	10s30	22n20	22n34	18s48			n.a.

Julian Day Number = 1472900.5, Delta T = 05h29m24s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'14, Lahiri = -13°21'14 Julian Calendar 1 Aug. 681 BCE == Greg. Calendar 25 July 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

SEPTEMBER 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 12 20	1♍ 3'37	5♋18	13♌11	1♌34	17♌ 1	28♉39	4°R 2	16°R56	22♍19	19°R10	19♋29	17♋44	15♒ 9	n.a.	S 1
M 2	22 16 17	2° 2'58	19°50	14° 5	2°47	17°40	28°43	4♉ 1	16♒53	22°21	19♎ 9	19°R30	17°41	15°16	n.a.	M 2
T 3	22 20 13	3° 2'21	4♌42	15° 7	4° 1	18°19	28°47	4° 0	16°51	22°23	19° 8	19°29	17°38	15°22	n.a.	T 3
W 4	22 24 10	4° 1'46	19°48	16°16	5°15	18°57	28°51	3°59	16°49	22°25	19° 7	19°26	17°35	15°29	n.a.	W 4
T 5	22 28 6	5° 1'13	4♍59	17°30	6°28	19°36	28°55	3°57	16°47	22°28	19° 7	19°21	17°32	15°36	n.a.	T 5
F 6	22 32 3	6° 0'43	20° 6	18°50	7°42	20°15	28°59	3°56	16°44	22°30	19° 6	19°15	17°28	15°42	n.a.	F 6
S 7	22 35 59	7° 0'15	4♎58	20°14	8°56	20°54	29° 2	3°54	16°42	22°32	19° 5	19° 7	17°25	15°49	n.a.	S 7
S 8	22 39 56	7°59'48	19°28	21°42	10°10	21°33	29° 5	3°53	16°40	22°34	19° 4	19° 0	17°22	15°56	n.a.	S 8
M 9	22 43 52	8°59'24	3♏29	23°13	11°24	22°12	29° 8	3°51	16°38	22°36	19° 3	18°53	17°19	16° 2	n.a.	M 9
T 10	22 47 49	9°59'01	17° 2	24°47	12°37	22°51	29°11	3°49	16°35	22°38	19° 3	18°49	17°16	16° 9	n.a.	T 10
W11	22 51 46	10°58'41	0♐ 6	26°23	13°51	23°30	29°14	3°47	16°33	22°41	19° 2	18°46	17°12	16°16	n.a.	W11
T 12	22 55 42	11°58'22	12°46	28° 0	15° 6	24° 9	29°16	3°45	16°31	22°43	19° 1	18°D45	17° 9	16°22	n.a.	T 12
F 13	22 59 39	12°58'05	25° 5	29°40	16°20	24°48	29°19	3°43	16°29	22°45	19° 1	18°46	17° 6	16°29	n.a.	F 13
S 14	23 3 35	13°57'50	7♑ 8	1♍20	17°34	25°27	29°21	3°41	16°27	22°47	19° 0	18°47	17° 3	16°36	n.a.	S 14
S 15	23 7 32	14°57'37	19° 2	3° 1	18°48	26° 6	29°23	3°39	16°25	22°49	18°59	18°R48	17° 0	16°42	n.a.	S 15
M16	23 11 28	15°57'26	0♒51	4°42	20° 2	26°45	29°24	3°36	16°23	22°52	18°59	18°47	16°57	16°49	n.a.	M16
T 17	23 15 25	16°57'17	12°38	6°24	21°17	27°25	29°26	3°34	16°21	22°54	18°58	18°44	16°53	16°56	n.a.	T 17
W18	23 19 21	17°57'09	24°28	8° 7	22°31	28° 4	29°27	3°31	16°19	22°56	18°57	18°38	16°50	17° 2	n.a.	W18
T 19	23 23 18	18°57'04	6♓23	9°49	23°45	28°43	29°28	3°28	16°17	22°58	18°57	18°30	16°47	17° 9	n.a.	T 19
F 20	23 27 15	19°57'00	18°25	11°31	25° 0	29°22	29°29	3°26	16°15	23° 1	18°56	18°20	16°44	17°16	n.a.	F 20
S 21	23 31 11	20°56'59	0♈35	13°13	26°14	0♍ 1	29°30	3°23	16°13	23° 3	18°56	18° 8	16°41	17°22	n.a.	S 21
S 22	23 35 8	21°56'59	12°55	14°54	27°29	0°40	29°30	3°20	16°12	23° 5	18°55	17°56	16°37	17°29	n.a.	S 22
M23	23 39 4	22°57'02	25°24	16°36	28°43	1°20	29°31	3°17	16°10	23° 7	18°55	17°44	16°34	17°36	n.a.	M23
T 24	23 43 1	23°57'06	8♉ 5	18°17	29°58	1°59	29°R31	3°13	16° 8	23°10	18°55	17°35	16°31	17°42	n.a.	T 24
W25	23 46 57	24°57'13	20°57	19°58	1♍13	2°38	29°31	3°10	16° 6	23°12	18°54	17°27	16°28	17°49	n.a.	W25
T 26	23 50 54	25°57'23	4♊ 2	21°38	2°28	3°18	29°31	3° 7	16° 5	23°14	18°54	17°23	16°25	17°56	n.a.	T 26
F 27	23 54 50	26°57'34	17°22	23°18	3°42	3°57	29°30	3° 3	16° 3	23°16	18°54	17°21	16°22	18° 2	n.a.	F 27
S 28	23 58 47	27°57'48	0♋59	24°57	4°57	4°36	29°29	3° 0	16° 1	23°19	18°53	17°D20	16°18	18° 9	n.a.	S 28
S 29	0 2 43	28°58'04	14°54	26°36	6°12	5°16	29°29	2°56	16° 0	23°21	18°53	17°R20	16°15	18°16	n.a.	S 29
M30	0 6 40	29♍58'22	29♋ 8	28♍15	7♍27	5♍55	29♉28	2♉53	15♒58	23♍23	18♑53	17♋20	16♋12	18♒22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n15	22n24	1s16	17n56	0n52	20n49	0n45	17n 4	1n10	19n30	0s39	10n47	2s24	16s45	0s48	4n47	1n51	32s46	10s30	22n20	22n35	18s47		n.a.
M 2	10 54	22 19	0n 2	17 52	1 4	20 35	0 47	16 52	1 10	19 31	0 39	10 46	2 24	16 45	0 48	4 46	1 51	32 46	10 29	22 20	22 35	18 46		n.a.
T 3	10 32	20 41	1 21	17 43	1 15	20 20	0 50	16 40	1 10	19 32	0 39	10 46	2 24	16 46	0 48	4 45	1 51	32 46	10 29	22 20	22 36	18 45		n.a.
W 4	10 10	17 33	2 37	17 31	1 24	20 4	0 52	16 28	1 10	19 33	0 39	10 45	2 25	16 47	0 48	4 44	1 51	32 46	10 29	22 21	22 36	18 43		n.a.
T 5	9 48	13 14	3 41	17 16	1 32	19 48	0 54	16 15	1 10	19 34	0 39	10 45	2 25	16 47	0 48	4 43	1 51	32 46	10 29	22 21	22 37	18 42		n.a.
F 6	9 26	8 5	4 29	16 58	1 39	19 31	0 57	16 3	1 10	19 34	0 39	10 44	2 25	16 48	0 48	4 42	1 50	32 46	10 29	22 22	22 37	18 41		n.a.
S 7	9 4	2 33	4 59	16 36	1 45	19 13	0 59	15 50	1 10	19 35	0 39	10 43	2 25	16 49	0 48	4 41	1 50	32 46	10 29	22 24	22 37	18 39		n.a.
S 8	8 41	2s59	5 8	16 12	1 49	18 55	1 1	15 37	1 10	19 36	0 39	10 43	2 25	16 49	0 48	4 41	1 50	32 45	10 29	22 25	22 38	18 38		n.a.
M 9	8 19	8 11	4 58	15 45	1 53	18 37	1 3	15 24	1 10	19 37	0 39	10 42	2 26	16 50	0 48	4 40	1 50	32 45	10 28	22 25	22 38	18 37		n.a.
T 10	7 56	12 49	4 32	15 15	1 55	18 18	1 5	15 11	1 10	19 37	0 39	10 41	2 26	16 51	0 48	4 39	1 50	32 45	10 28	22 26	22 39	18 36		n.a.
W11	7 33	16 41	3 52	14 44	1 57	17 58	1 7	14 58	1 10	19 38	0 39	10 40	2 26	16 51	0 48	4 38	1 50	32 45	10 28	22 26	22 39	18 34		n.a.
T 12	7 10	19 39	3 1	14 10	1 58	17 38	1 9	14 45	1 10	19 38	0 39	10 39	2 26	16 52	0 48	4 37	1 50	32 45	10 28	22 27	22 39	18 33		n.a.
F 13	6 47	21 37	2 4	13 35	1 58	17 17	1 11	14 32	1 10	19 39	0 39	10 39	2 26	16 52	0 48	4 36	1 50	32 45	10 28	22 26	22 40	18 32		n.a.
S 14	6 24	22 33	1 2	12 59	1 57	16 56	1 12	14 18	1 10	19 39	0 39	10 38	2 26	16 53	0 48	4 35	1 50	32 45	10 28	22 26	22 40	18 30		n.a.
S 15	6 0	22 25	0s 1	12 20	1 56	16 34	1 14	14 5	1 10	19 40	0 39	10 37	2 27	16 54	0 48	4 34	1 50	32 45	10 27	22 26	22 41	18 29		n.a.
M16	5 37	21 18	1 4	11 41	1 54	16 12	1 16	13 51	1 10	19 40	0 39	10 36	2 27	16 54	0 48	4 33	1 50	32 45	10 27	22 26	22 41	18 28		n.a.
T 17	5 13	19 14	2 4	11 1	1 52	15 50	1 17	13 38	1 9	19 40	0 39	10 35	2 27	16 55	0 48	4 33	1 50	32 45	10 27	22 27	22 42	18 26		n.a.
W18	4 50	16 21	2 59	10 19	1 49	15 26	1 19	13 24	1 9	19 41	0 39	10 34	2 27	16 55	0 48	4 32	1 50	32 45	10 27	22 28	22 42	18 25		n.a.
T 19	4 26	12 47	3 46	9 37	1 45	15 3	1 20	13 10	1 9	19 41	0 39	10 33	2 27	16 56	0 48	4 31	1 50	32 45	10 27	22 29	22 42	18 24		n.a.
F 20	4 2	8 40	4 23	8 54	1 42	14 39	1 21	12 56	1 9	19 41	0 39	10 31	2 27	16 57	0 48	4 30	1 50	32 45	10 27	22 30	22 43	18 22		n.a.
S 21	3 38	4 10	4 49	8 11	1 37	14 15	1 23	12 42	1 9	19 41	0 39	10 30	2 28	16 57	0 48	4 29	1 50	32 45	10 26	22 32	22 43	18 21		n.a.
S 22	3 14	0n33	5 2	7 27	1 33	13 50	1 24	12 28	1 9	19 41	0 39	10 29	2 28	16 58	0 48	4 28	1 50	32 44	10 26	22 33	22 44	18 19		n.a.
M23	2 50	5 19	5 0	6 43	1 28	13 24	1 25	12 13	1 9	19 41	0 39	10 28	2 28	16 58	0 48	4 27	1 50	32 44	10 26	22 35	22 44	18 18		n.a.
T 24	2 26	9 55	4 44	5 58	1 23	12 59	1 26	11 59	1 9	19 42	0 39	10 27	2 28	16 59	0 48	4 26	1 50	32 44	10 26	22 36	22 44	18 17		n.a.
W25	2 2	14 11	4 13	5 13	1 18	12 33	1 27	11 45	1 9	19 42	0 39	10 26	2 28	16 59	0 47	4 25	1 50	32 44	10 26	22 37	22 45	18 15		n.a.
T 26	1 38	17 50	3 29	4 28	1 12	12 7	1 28	11 30	1 9	19 41	0 39	10 24	2 28	17 0	0 47	4 24	1 50	32 44	10 25	22 38	22 45	18 14		n.a.
F 27	1 14	20 39	2 32	3 43	1 7	11 40	1 29	11 16	1 8	19 41	0 39	10 23	2 28	17 0	0 47	4 24	1 50	32 44	10 25	22 38	22 46	18 13		n.a.
S 28	0 49	22 21	1 26	2 58	1 1	11 13	1 30	11 1	1 8	19 41	0 39	10 22	2 29	17 1	0 47	4 23	1 50	32 44	10 25	22 38	22 46	18 11		n.a.
S 29	0 25	22 43	0 13	2 12	0 55	10 46	1 30	10 46	1 8	19 41	0 39	10 20	2 29	17 1	0 47	4 22	1 50	32 43	10 25	22 38	22 46	18 10		n.a.
M30	0n 1	21n38	1n 2	1n27	0n49	10n18	1n31	10n31	1n 8	19n41	0s39	10n19	2s29	17s 2	0s47	4n21	1n50	32s43	10s25	22n38	22n47	18s 8		n.a.

Julian Day Number = 1472931.5, Delta T = 05h29m22s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'10, Lahiri = -13°21'10 Julian Calendar 1 Sept. 681 BCE == Greg. Calendar 25 Aug. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

OCTOBER 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 10 37	0♎58'42	13♌40	29♍53	8♍42	6♍34	29°R26	2°R49	15°R57	23♍25	18°R52	17°R18	16♋ 9	18♒29	n.a.	T 1
W 2	0 14 33	1°59'05	28°27	1♎31	9°57	7°14	29♉25	2♉45	15♒55	23°28	18♉52	17♋13	16° 6	18°36	n.a.	W 2
T 3	0 18 30	2°59'29	13♍21	3° 8	11°12	7°53	29°23	2°41	15°54	23°30	18°52	17° 5	16° 3	18°42	n.a.	T 3
F 4	0 22 26	3°59'55	28°15	4°45	12°27	8°33	29°21	2°37	15°52	23°32	18°52	16°55	15°59	18°49	n.a.	F 4
S 5	0 26 23	5° 0'23	13♎ 1	6°22	13°42	9°12	29°19	2°33	15°51	23°34	18°52	16°43	15°56	18°56	n.a.	S 5
S 6	0 30 19	6° 0'53	27°28	7°58	14°57	9°52	29°17	2°29	15°50	23°36	18°52	16°31	15°53	19° 2	n.a.	S 6
M 7	0 34 16	7° 1'24	11♏32	9°34	16°12	10°31	29°14	2°25	15°49	23°39	18°51	16°20	15°50	19° 9	n.a.	M 7
T 8	0 38 12	8° 1'57	25° 9	11° 9	17°27	11°11	29°12	2°20	15°47	23°41	18°51	16°12	15°47	19°16	n.a.	T 8
W 9	0 42 9	9° 2'32	8♐17	12°44	18°42	11°50	29° 9	2°16	15°46	23°43	18°51	16° 6	15°43	19°22	n.a.	W 9
T 10	0 46 6	10° 3'08	21° 0	14°19	19°58	12°30	29° 6	2°12	15°45	23°45	18°D51	16° 3	15°40	19°29	n.a.	T 10
F 11	0 50 2	11° 3'45	3♑22	15°53	21°13	13° 9	29° 2	2° 7	15°44	23°47	18°51	16° 2	15°37	19°36	n.a.	F 11
S 12	0 53 59	12° 4'24	15°27	17°28	22°28	13°49	28°59	2° 3	15°43	23°50	18°51	16° 2	15°34	19°42	n.a.	S 12
S 13	0 57 55	13° 5'04	27°21	19° 2	23°43	14°29	28°55	1°58	15°42	23°52	18°52	16° 2	15°31	19°49	n.a.	S 13
M14	1 1 52	14° 5'45	9♒ 9	20°35	24°59	15° 8	28°52	1°54	15°41	23°54	18°52	16° 0	15°28	19°56	n.a.	M14
T 15	1 5 48	15° 6'28	20°57	22° 9	26°14	15°48	28°48	1°49	15°40	23°56	18°52	15°56	15°24	20° 2	n.a.	T 15
W16	1 9 45	16° 7'12	2♓50	23°42	27°29	16°28	28°43	1°44	15°39	23°58	18°52	15°50	15°21	20° 9	n.a.	W16
T 17	1 13 41	17° 7'57	14°50	25°15	28°45	17° 8	28°39	1°40	15°38	24° 0	18°52	15°40	15°18	20°16	n.a.	T 17
F 18	1 17 38	18° 8'43	27° 1	26°48	0♎ 0	17°47	28°34	1°35	15°38	24° 2	18°52	15°28	15°15	20°22	n.a.	F 18
S 19	1 21 35	19° 9'31	9♈24	28°20	1°15	18°27	28°30	1°30	15°37	24° 4	18°53	15°14	15°12	20°29	n.a.	S 19
S 20	1 25 31	20°10'20	22° 0	29°53	2°31	19° 7	28°25	1°25	15°36	24° 6	18°53	15° 0	15° 8	20°36	n.a.	S 20
M21	1 29 28	21°11'10	4♉48	1♏25	3°46	19°47	28°20	1°20	15°36	24° 9	18°53	14°46	15° 5	20°42	n.a.	M21
T 22	1 33 24	22°12'02	17°49	2°57	5° 2	20°26	28°15	1°16	15°35	24°11	18°53	14°35	15° 2	20°49	n.a.	T 22
W23	1 37 21	23°12'56	1♊ 0	4°29	6°17	21° 6	28° 9	1°11	15°35	24°13	18°54	14°26	14°59	20°56	n.a.	W23
T 24	1 41 17	24°13'50	14°21	6° 1	7°32	21°46	28° 4	1° 6	15°34	24°15	18°54	14°20	14°56	21° 2	n.a.	T 24
F 25	1 45 14	25°14'47	27°53	7°32	8°48	22°26	27°58	1° 1	15°34	24°17	18°55	14°17	14°53	21° 9	n.a.	F 25
S 26	1 49 10	26°15'45	11♋34	9° 4	10° 3	23° 6	27°52	0°56	15°33	24°19	18°55	14°D16	14°49	21°16	n.a.	S 26
S 27	1 53 7	27°16'44	25°26	10°35	11°19	23°46	27°46	0°51	15°33	24°21	18°55	14°R16	14°46	21°22	n.a.	S 27
M28	1 57 4	28°17'45	9♌30	12° 5	12°34	24°26	27°40	0°46	15°33	24°22	18°56	14°16	14°43	21°29	n.a.	M28
T 29	2 1 0	29°18'47	23°43	13°36	13°50	25° 6	27°34	0°41	15°33	24°24	18°56	14°14	14°40	21°36	n.a.	T 29
W30	2 4 57	0♏19'50	8♍ 6	15° 6	15° 5	25°46	27°27	0°36	15°33	24°26	18°57	14° 9	14°37	21°42	n.a.	W30
T 31	2 8 53	1♏20'55	22♍34	16♏36	16♎21	26♍26	27♉21	0♉31	15♒32	24♍28	18♉57	14♋ 2	14♋34	21♒49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s24	19n 6	2n15	0n42	0n43	9n50	1n31	10n16	1n 8	19n41	0s39	10n18	2s29	17s 2	0s47	4n20	1n50	32s43	10s24	22n38	22n47	18s 7			n.a.
W 2	0 48	15 17	3 19	0s 3	0 36	9 22	1 32	10 2	1 8	19 40	0 39	10 16	2 29	17 2	0 47	4 19	1 51	32 43	10 24	22 39	22 47	18 6			n.a.
T 3	1 12	10 29	4 11	0 49	0 30	8 53	1 32	9 46	1 8	19 40	0 39	10 15	2 29	17 3	0 47	4 18	1 51	32 43	10 24	22 40	22 48	18 4			n.a.
F 4	1 37	5 3	4 45	1 33	0 23	8 24	1 33	9 31	1 8	19 40	0 39	10 13	2 29	17 3	0 47	4 17	1 51	32 43	10 24	22 41	22 48	18 3			n.a.
S 5	2 1	0s36	5 0	2 18	0 17	7 55	1 33	9 16	1 7	19 39	0 39	10 12	2 29	17 4	0 47	4 17	1 51	32 42	10 24	22 43	22 49	18 1			n.a.
S 6	2 25	6 8	4 56	3 3	0 10	7 26	1 33	9 1	1 7	19 39	0 39	10 10	2 29	17 4	0 47	4 16	1 51	32 42	10 23	22 44	22 49	18 0			n.a.
M 7	2 50	11 11	4 33	3 47	0 4	6 57	1 33	8 46	1 7	19 38	0 39	10 9	2 29	17 4	0 47	4 15	1 51	32 42	10 23	22 46	22 49	17 59			n.a.
T 8	3 14	15 31	3 55	4 31	0s 3	6 27	1 33	8 30	1 7	19 38	0 39	10 7	2 29	17 5	0 47	4 14	1 51	32 42	10 23	22 47	22 50	17 57			n.a.
W 9	3 38	18 57	3 6	5 15	0 9	5 57	1 33	8 15	1 7	19 37	0 39	10 6	2 30	17 5	0 47	4 13	1 51	32 42	10 23	22 47	22 50	17 56			n.a.
T 10	4 2	21 20	2 8	5 58	0 16	5 27	1 33	7 59	1 7	19 36	0 39	10 4	2 30	17 5	0 47	4 12	1 51	32 41	10 22	22 48	22 50	17 54			n.a.
F 11	4 26	22 37	1 7	6 41	0 22	4 57	1 33	7 44	1 7	19 36	0 39	10 2	2 30	17 6	0 47	4 11	1 51	32 41	10 22	22 48	22 51	17 53			n.a.
S 12	4 50	22 49	0 3	7 23	0 29	4 27	1 33	7 28	1 6	19 35	0 39	10 1	2 30	17 6	0 47	4 10	1 51	32 41	10 22	22 48	22 51	17 51			n.a.
S 13	5 14	21 57	1s 0	8 6	0 35	3 56	1 32	7 13	1 6	19 34	0 39	9 59	2 30	17 6	0 47	4 10	1 51	32 41	10 22	22 48	22 52	17 50			n.a.
M14	5 38	20 8	1 59	8 47	0 42	3 25	1 32	6 57	1 6	19 33	0 39	9 58	2 30	17 6	0 47	4 9	1 51	32 40	10 22	22 48	22 52	17 48			n.a.
T 15	6 2	17 27	2 53	9 29	0 48	2 55	1 31	6 41	1 6	19 33	0 39	9 56	2 30	17 7	0 47	4 8	1 51	32 40	10 21	22 49	22 52	17 47			n.a.
W16	6 26	14 2	3 41	10 10	0 54	2 24	1 31	6 25	1 6	19 32	0 39	9 54	2 30	17 7	0 47	4 7	1 51	32 40	10 21	22 49	22 53	17 45			n.a.
T 17	6 49	10 1	4 18	10 50	1 0	1 53	1 30	6 9	1 5	19 31	0 39	9 53	2 30	17 7	0 47	4 6	1 51	32 40	10 21	22 51	22 53	17 44			n.a.
F 18	7 13	5 33	4 45	11 30	1 6	1 22	1 30	5 53	1 5	19 30	0 39	9 51	2 30	17 7	0 47	4 6	1 51	32 40	10 21	22 52	22 53	17 42			n.a.
S 19	7 36	0 47	4 58	12 9	1 12	0 51	1 29	5 38	1 5	19 29	0 39	9 49	2 30	17 7	0 47	4 5	1 51	32 39	10 20	22 54	22 54	17 41			n.a.
S 20	8 0	4n 5	4 58	12 48	1 18	0 20	1 28	5 22	1 5	19 28	0 38	9 48	2 30	17 8	0 47	4 4	1 51	32 39	10 20	22 55	22 54	17 39			n.a.
M21	8 23	8 53	4 42	13 26	1 23	0s11	1 27	5 6	1 5	19 27	0 38	9 46	2 30	17 8	0 47	4 3	1 51	32 39	10 20	22 57	22 55	17 38			n.a.
T 22	8 46	13 21	4 12	14 3	1 29	0 42	1 26	4 49	1 4	19 26	0 38	9 44	2 30	17 8	0 47	4 2	1 51	32 38	10 20	22 58	22 55	17 36			n.a.
W23	9 9	17 16	3 27	14 40	1 34	1 14	1 25	4 33	1 4	19 24	0 38	9 43	2 30	17 8	0 47	4 2	1 51	32 38	10 20	22 59	22 55	17 35			n.a.
T 24	9 31	20 21	2 31	15 16	1 39	1 45	1 24	4 17	1 4	19 23	0 38	9 41	2 30	17 8	0 47	4 1	1 51	32 38	10 19	23 0	22 56	17 33			n.a.
F 25	9 54	22 20	1 26	15 51	1 44	2 16	1 23	4 1	1 4	19 22	0 38	9 39	2 30	17 8	0 47	4 0	1 51	32 38	10 19	23 0	22 56	17 32			n.a.
S 26	10 17	23 2	0 14	16 26	1 49	2 47	1 22	3 45	1 4	19 21	0 38	9 37	2 30	17 8	0 47	3 59	1 51	32 37	10 19	23 0	22 56	17 30			n.a.
S 27	10 39	22 19	0n59	16 59	1 53	3 18	1 21	3 29	1 3	19 19	0 38	9 36	2 30	17 8	0 46	3 58	1 51	32 37	10 19	23 0	22 57	17 29			n.a.
M28	11 1	20 12	2 9	17 32	1 57	3 49	1 20	3 12	1 3	19 18	0 38	9 34	2 30	17 8	0 46	3 58	1 51	32 37	10 19	23 0	22 57	17 27			n.a.
T 29	11 23	16 50	3 13	18 4	2 1	4 20	1 18	2 56	1 3	19 17	0 38	9 32	2 30	17 8	0 46	3 57	1 51	32 37	10 18	23 0	22 57	17 26			n.a.
W30	11 45	12 25	4 5	18 35	2 5	4 51	1 17	2 40	1 3	19 15	0 38	9 31	2 30	17 8	0 46	3 56	1 51	32 36	10 18	23 1	22 58	17 24			n.a.
T 31	12s 6	7n17	4n41	19s 4	2s 8	5s22	1n15	2n23	1n 2	19n14	0s38	9n29	2s30	17s 8	0s46	3n56	1n51	32s36	10s18	23n 2	22n58	17s23			n.a.

Julian Day Number = 1472961.5, Delta T = 05h29m21s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'06, Lahiri = -13°21'06 Julian Calendar 1 Oct. 681 BCE == Greg. Calendar 24 Sept. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

NOVEMBER 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 12 50	2♏22'00	7♎ 3	18♏ 5	17♎37	27♍ 6	27°R14	0°R26	15°R32	24♍30	18♑58	13°R52	14♋30	21♒56	n.a.	F 1
S 2	2 16 46	3°23'07	21°25	19°34	18°52	27°46	27♉ 7	0♉21	15°D32	24°32	18°59	13♋41	14°27	22° 2	n.a.	S 2
S 3	2 20 43	4°24'15	5♏35	21° 2	20° 8	28°26	27° 0	0°16	15♒32	24°34	18°59	13°29	14°24	22° 9	n.a.	S 3
M 4	2 24 39	5°25'24	19°27	22°30	21°23	29° 6	26°53	0°11	15°33	24°36	19° 0	13°18	14°21	22°16	n.a.	M 4
T 5	2 28 36	6°26'34	2♐57	23°57	22°39	29°46	26°46	0° 6	15°33	24°37	19° 1	13°10	14°18	22°22	n.a.	T 5
W 6	2 32 33	7°27'44	16° 4	25°22	23°54	0♎27	26°38	0° 1	15°33	24°39	19° 1	13° 4	14°14	22°29	n.a.	W 6
T 7	2 36 29	8°28'55	28°47	26°47	25°10	1° 7	26°31	29♈56	15°33	24°41	19° 2	13° 0	14°11	22°36	n.a.	T 7
F 8	2 40 26	9°30'06	11♑11	28°10	26°26	1°47	26°24	29°51	15°33	24°43	19° 3	12°D59	14° 8	22°42	n.a.	F 8
S 9	2 44 22	10°31'18	23°18	29°32	27°41	2°27	26°16	29°47	15°34	24°44	19° 4	13° 0	14° 5	22°49	n.a.	S 9
S 10	2 48 19	11°32'31	5♒14	0♐51	28°57	3° 7	26° 8	29°42	15°34	24°46	19° 4	13° 0	14° 2	22°56	n.a.	S 10
M11	2 52 15	12°33'43	17° 4	2° 9	0♏12	3°48	26° 1	29°37	15°35	24°48	19° 5	13°R 0	13°59	23° 2	n.a.	M11
T 12	2 56 12	13°34'56	28°53	3°24	1°28	4°28	25°53	29°32	15°35	24°49	19° 6	12°59	13°55	23° 9	n.a.	T 12
W13	3 0 8	14°36'09	10♓47	4°36	2°43	5° 8	25°45	29°27	15°36	24°51	19° 7	12°55	13°52	23°16	n.a.	W13
T 14	3 4 5	15°37'22	22°50	5°44	3°59	5°49	25°37	29°23	15°36	24°53	19° 8	12°49	13°49	23°22	n.a.	T 14
F 15	3 8 2	16°38'36	5♈ 7	6°48	5°14	6°29	25°29	29°18	15°37	24°54	19° 9	12°41	13°46	23°29	n.a.	F 15
S 16	3 11 58	17°39'50	17°39	7°48	6°30	7° 9	25°21	29°14	15°38	24°56	19°10	12°31	13°43	23°36	n.a.	S 16
S 17	3 15 55	18°41'04	0♉29	8°42	7°46	7°50	25°13	29° 9	15°39	24°57	19°11	12°21	13°40	23°42	n.a.	S 17
M18	3 19 51	19°42'18	13°36	9°29	9° 1	8°30	25° 5	29° 4	15°39	24°59	19°12	12°11	13°36	23°49	n.a.	M18
T 19	3 23 48	20°43'33	26°58	10°10	10°17	9°10	24°57	29° 0	15°40	25° 0	19°13	12° 2	13°33	23°56	n.a.	T 19
W20	3 27 44	21°44'48	10♊34	10°43	11°32	9°51	24°49	28°56	15°41	25° 2	19°14	11°56	13°30	24° 3	n.a.	W20
T 21	3 31 41	22°46'03	24°21	11° 7	12°48	10°31	24°41	28°51	15°42	25° 3	19°15	11°52	13°27	24° 9	n.a.	T 21
F 22	3 35 37	23°47'19	8♋16	11°22	14° 3	11°12	24°33	28°47	15°43	25° 4	19°16	11°D51	13°24	24°16	n.a.	F 22
S 23	3 39 34	24°48'35	22°17	11°R25	15°19	11°52	24°25	28°43	15°44	25° 6	19°17	11°51	13°20	24°23	n.a.	S 23
S 24	3 43 31	25°49'51	6♌21	11°18	16°34	12°33	24°16	28°39	15°45	25° 7	19°18	11°52	13°17	24°29	n.a.	S 24
M25	3 47 27	26°51'08	20°28	10°59	17°50	13°13	24° 8	28°35	15°47	25° 8	19°19	11°R53	13°14	24°36	n.a.	M25
T 26	3 51 24	27°52'25	4♍36	10°28	19° 5	13°54	24° 0	28°31	15°48	25°10	19°20	11°53	13°11	24°43	n.a.	T 26
W27	3 55 20	28°53'42	18°43	9°45	20°21	14°35	23°52	28°27	15°49	25°11	19°22	11°52	13° 8	24°49	n.a.	W27
T 28	3 59 17	29°55'00	2♎48	8°52	21°37	15°15	23°44	28°23	15°50	25°12	19°23	11°48	13° 5	24°56	n.a.	T 28
F 29	4 3 13	0♐56'17	16°49	7°49	22°52	15°56	23°36	28°19	15°52	25°13	19°24	11°42	13° 1	25° 3	n.a.	F 29
S 30	4 7 10	1♐57'35	0♏42	6♐38	24♏ 8	16♎37	23♉28	28♈15	15♒53	25♍14	19♑25	11♋36	12♋58	25♒ 9	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s28	1n45	5n 0	19s33	2s11	5s52	1n14	2n 7	1n 2	19n12	0s38	9n27	2s29	17s 8	0s46	3n55	1n51	32s36	10s18	23n 3	22n58	17s21		n.a.
S 2	12 49	3s51	4 59	20 0	2 13	6 23	1 12	1 51	1 2	19 11	0 38	9 26	2 29	17 8	0 46	3 54	1 51	32 35	10 18	23 4	22 59	17 20		n.a.
S 3	13 10	9 10	4 40	20 27	2 15	6 53	1 11	1 34	1 2	19 9	0 37	9 24	2 29	17 8	0 46	3 53	1 51	32 35	10 17	23 5	22 59	17 18		n.a.
M 4	13 31	13 55	4 5	20 52	2 17	7 23	1 9	1 18	1 1	19 8	0 37	9 22	2 29	17 8	0 46	3 53	1 51	32 35	10 17	23 6	23 0	17 16		n.a.
T 5	13 51	17 50	3 16	21 15	2 18	7 53	1 7	1 1	1 1	19 6	0 37	9 21	2 29	17 8	0 46	3 52	1 52	32 34	10 17	23 7	23 0	17 15		n.a.
W 6	14 12	20 45	2 18	21 38	2 19	8 23	1 6	0 45	1 1	19 5	0 37	9 19	2 29	17 8	0 46	3 51	1 52	32 34	10 17	23 8	23 0	17 13		n.a.
T 7	14 32	22 31	1 15	21 58	2 19	8 53	1 4	0 28	1 1	19 3	0 37	9 17	2 29	17 8	0 46	3 51	1 52	32 34	10 17	23 8	23 1	17 12		n.a.
F 8	14 52	23 8	0 10	22 17	2 19	9 22	1 2	0 12	1 0	19 1	0 37	9 16	2 29	17 8	0 46	3 50	1 52	32 34	10 16	23 8	23 1	17 10		n.a.
S 9	15 11	22 38	0s55	22 35	2 18	9 52	1 0	0s 4	1 0	19 0	0 37	9 14	2 29	17 8	0 46	3 49	1 52	32 33	10 16	23 8	23 1	17 9		n.a.
S 10	15 30	21 6	1 56	22 50	2 16	10 21	0 58	0 21	1 0	18 58	0 37	9 12	2 29	17 7	0 46	3 49	1 52	32 33	10 16	23 8	23 2	17 7		n.a.
M11	15 49	18 40	2 52	23 4	2 14	10 49	0 56	0 37	0 59	18 56	0 37	9 11	2 28	17 7	0 46	3 48	1 52	32 33	10 16	23 8	23 2	17 5		n.a.
T 12	16 8	15 27	3 40	23 16	2 11	11 18	0 54	0 54	0 59	18 54	0 36	9 9	2 28	17 7	0 46	3 48	1 52	32 32	10 16	23 8	23 2	17 4		n.a.
W13	16 27	11 37	4 19	23 26	2 7	11 46	0 52	1 10	0 59	18 53	0 36	9 8	2 28	17 7	0 46	3 47	1 52	32 32	10 15	23 8	23 3	17 2		n.a.
T 14	16 45	7 16	4 47	23 34	2 2	12 14	0 50	1 27	0 58	18 51	0 36	9 6	2 28	17 7	0 46	3 46	1 52	32 32	10 15	23 9	23 3	17 1		n.a.
F 15	17 3	2 34	5 3	23 39	1 56	12 42	0 48	1 43	0 58	18 49	0 36	9 5	2 28	17 6	0 46	3 46	1 52	32 31	10 15	23 10	23 3	16 59		n.a.
S 16	17 20	2n21	5 4	23 42	1 49	13 9	0 46	2 0	0 58	18 47	0 36	9 3	2 28	17 6	0 46	3 45	1 52	32 31	10 15	23 11	23 4	16 57		n.a.
S 17	17 38	7 16	4 50	23 43	1 41	13 36	0 44	2 16	0 57	18 46	0 36	9 2	2 28	17 6	0 46	3 45	1 52	32 31	10 15	23 12	23 4	16 56		n.a.
M18	17 55	11 59	4 21	23 41	1 31	14 3	0 42	2 33	0 57	18 44	0 36	9 0	2 27	17 6	0 46	3 44	1 52	32 30	10 14	23 13	23 4	16 54		n.a.
T 19	18 11	16 14	3 37	23 37	1 21	14 29	0 40	2 49	0 57	18 42	0 36	8 59	2 27	17 5	0 46	3 44	1 52	32 30	10 14	23 13	23 5	16 52		n.a.
W20	18 27	19 42	2 40	23 30	1 9	14 55	0 37	3 6	0 56	18 40	0 35	8 57	2 27	17 5	0 46	3 43	1 52	32 30	10 14	23 14	23 5	16 51		n.a.
T 21	18 43	22 6	1 33	23 20	0 55	15 20	0 35	3 22	0 56	18 38	0 35	8 56	2 27	17 5	0 46	3 43	1 52	32 29	10 14	23 14	23 5	16 49		n.a.
F 22	18 59	23 12	0 19	23 8	0 41	15 46	0 33	3 38	0 56	18 36	0 35	8 55	2 27	17 4	0 46	3 42	1 52	32 29	10 14	23 14	23 6	16 47		n.a.
S 23	19 14	22 50	0n56	22 53	0 25	16 10	0 31	3 55	0 55	18 34	0 35	8 53	2 26	17 4	0 45	3 42	1 52	32 29	10 14	23 14	23 6	16 46		n.a.
S 24	19 29	21 1	2 9	22 35	0 8	16 35	0 28	4 11	0 55	18 33	0 35	8 52	2 26	17 4	0 45	3 41	1 53	32 28	10 13	23 14	23 6	16 44		n.a.
M25	19 44	17 55	3 13	22 14	0n11	16 58	0 26	4 27	0 55	18 31	0 35	8 51	2 26	17 3	0 45	3 41	1 53	32 28	10 13	23 14	23 6	16 43		n.a.
T 26	19 58	13 47	4 7	21 50	0 30	17 22	0 24	4 44	0 54	18 29	0 35	8 50	2 26	17 3	0 45	3 40	1 53	32 28	10 13	23 14	23 7	16 41		n.a.
W27	20 12	8 53	4 45	21 24	0 50	17 45	0 21	5 0	0 54	18 27	0 34	8 48	2 26	17 2	0 45	3 40	1 53	32 27	10 13	23 14	23 7	16 39		n.a.
T 28	20 25	3 32	5 6	20 56	1 10	18 7	0 19	5 16	0 53	18 25	0 34	8 47	2 25	17 2	0 45	3 39	1 53	32 27	10 13	23 15	23 7	16 38		n.a.
F 29	20 38	1s58	5 8	20 27	1 30	18 29	0 16	5 32	0 53	18 23	0 34	8 46	2 25	17 1	0 45	3 39	1 53	32 27	10 13	23 15	23 8	16 36		n.a.
S 30	20s51	7s19	4n53	19s56	1n49	18s50	0n14	5s49	0n53	18n21	0s34	8n45	2s25	17s 1	0s45	3n38	1n53	32s26	10s13	23n16	23n 8	16s34		n.a.

Julian Day Number = 1472992.5, Delta T = 05h29m19s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°28'02, Lahiri = -13°21'01 Julian Calendar 1 Nov. 681 BCE == Greg. Calendar 25 Oct. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 681 BCE
geocentric

DECEMBER 681 BCE (-680) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 11 7	2♐58'53	14♏24	5°R21	25♏23	17♎17	23°R20	28°R12	15♒55	25♍16	19♑27	11°R29	12♋55	25♒16	n.a.	S 1
M 2	4 15 3	4° 0'10	27°52	4♐ 1	26°39	17°58	23♉12	28♈ 8	15°56	25°17	19°28	11♋22	12°52	25°23	n.a.	M 2
T 3	4 19 0	5° 1'28	11♐ 4	2°40	27°54	18°39	23° 4	28° 5	15°58	25°18	19°29	11°17	12°49	25°29	n.a.	T 3
W 4	4 22 56	6° 2'45	23°58	1°22	29°10	19°19	22°56	28° 1	15°59	25°19	19°30	11°14	12°46	25°36	n.a.	W 4
T 5	4 26 53	7° 4'01	6♑35	0° 7	0♐25	20° 0	22°49	27°58	16° 1	25°20	19°32	11°D13	12°42	25°43	n.a.	T 5
F 6	4 30 49	8° 5'17	18°55	28♏59	1°40	20°41	22°41	27°55	16° 3	25°21	19°33	11°13	12°39	25°49	n.a.	F 6
S 7	4 34 46	9° 6'33	1♒ 2	27°59	2°56	21°22	22°34	27°52	16° 5	25°22	19°35	11°14	12°36	25°56	n.a.	S 7
S 8	4 38 42	10° 7'48	12°58	27° 8	4°11	22° 2	22°26	27°49	16° 6	25°22	19°36	11°16	12°33	26° 3	n.a.	S 8
M 9	4 42 39	11° 9'01	24°49	26°26	5°27	22°43	22°19	27°46	16° 8	25°23	19°37	11°18	12°30	26° 9	n.a.	M 9
T 10	4 46 36	12°10'15	6♓39	25°54	6°42	23°24	22°11	27°43	16°10	25°24	19°39	11°R19	12°26	26°16	n.a.	T 10
W11	4 50 32	13°11'27	18°33	25°32	7°58	24° 5	22° 4	27°40	16°12	25°25	19°40	11°19	12°23	26°23	n.a.	W11
T 12	4 54 29	14°12'38	0♈36	25°19	9°13	24°46	21°57	27°38	16°14	25°26	19°42	11°18	12°20	26°30	n.a.	T 12
F 13	4 58 25	15°13'48	12°53	25°D15	10°28	25°27	21°50	27°35	16°16	25°26	19°43	11°15	12°17	26°36	n.a.	F 13
S 14	5 2 22	16°14'58	25°27	25°20	11°44	26° 8	21°44	27°33	16°18	25°27	19°45	11°12	12°14	26°43	n.a.	S 14
S 15	5 6 18	17°16'06	8♉22	25°32	12°59	26°49	21°37	27°30	16°20	25°28	19°46	11° 8	12°11	26°50	n.a.	S 15
M16	5 10 15	18°17'14	21°39	25°51	14°15	27°30	21°30	27°28	16°22	25°28	19°48	11° 4	12° 7	26°56	n.a.	M16
T 17	5 14 11	19°18'21	5♊17	26°17	15°30	28°10	21°24	27°26	16°24	25°29	19°49	11° 1	12° 4	27° 3	n.a.	T 17
W18	5 18 8	20°19'26	19°15	26°49	16°45	28°51	21°18	27°24	16°27	25°30	19°51	10°59	12° 1	27°10	n.a.	W18
T 19	5 22 5	21°20'31	3♋28	27°26	18° 1	29°32	21°11	27°22	16°29	25°30	19°52	10°58	11°58	27°16	n.a.	T 19
F 20	5 26 1	22°21'35	17°52	28° 8	19°16	0♏13	21° 5	27°20	16°31	25°31	19°54	10°D58	11°55	27°23	n.a.	F 20
S 21	5 29 58	23°22'39	2♌22	28°55	20°31	0°55	21° 0	27°19	16°33	25°31	19°55	10°58	11°52	27°30	n.a.	S 21
S 22	5 33 54	24°23'41	16°51	29°45	21°46	1°36	20°54	27°17	16°36	25°32	19°57	11° 0	11°48	27°36	n.a.	S 22
M23	5 37 51	25°24'42	1♍16	0♐39	23° 2	2°17	20°48	27°16	16°38	25°32	19°58	11° 1	11°45	27°43	n.a.	M23
T 24	5 41 47	26°25'43	15°33	1°37	24°17	2°58	20°43	27°14	16°41	25°32	20° 0	11° 2	11°42	27°50	n.a.	T 24
W25	5 45 44	27°26'43	29°40	2°37	25°32	3°39	20°38	27°13	16°43	25°33	20° 2	11°R 2	11°39	27°56	n.a.	W25
T 26	5 49 41	28°27'42	13♎34	3°40	26°48	4°20	20°33	27°12	16°46	25°33	20° 3	11° 1	11°36	28° 3	n.a.	T 26
F 27	5 53 37	29°28'40	27°16	4°46	28° 3	5° 1	20°28	27°11	16°48	25°33	20° 5	11° 0	11°32	28°10	n.a.	F 27
S 28	5 57 34	0♑29'37	10♏45	5°53	29°18	5°42	20°23	27°10	16°51	25°33	20° 7	10°59	11°29	28°16	n.a.	S 28
S 29	6 1 30	1°30'33	24° 0	7° 3	0♑33	6°24	20°18	27° 9	16°53	25°34	20° 8	10°58	11°26	28°23	n.a.	S 29
M30	6 5 27	2°31'29	7♐ 2	8°15	1°48	7° 5	20°14	27° 8	16°56	25°34	20°10	10°57	11°23	28°30	n.a.	M30
T 31	6 9 23	3♑32'23	19♐50	9♐28	3♑ 4	7♏46	20♉10	27♈ 8	16♒59	25♍34	20♑12	10♋56	11♋20	28♒37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21s 3	12s14	4n20	19s25	2n 7	19s11	0n12	6s 5	0n52	18n20	0s34	8n44	2s25	17s 0	0s45	3n38	1n53	32s26	10s12	23n16	23n 8	16s32			n.a.
M 2	21 15	16 29	3 34	18 54	2 24	19 32	0 9	6 21	0 52	18 18	0 34	8 43	2 25	17 0	0 45	3 38	1 53	32 26	10 12	23 17	23 9	16 31			n.a.
T 3	21 26	19 50	2 37	18 24	2 38	19 51	0 7	6 37	0 51	18 16	0 33	8 42	2 24	16 59	0 45	3 37	1 53	32 25	10 12	23 17	23 9	16 29			n.a.
W 4	21 37	22 6	1 33	17 56	2 51	20 11	0 5	6 53	0 51	18 14	0 33	8 41	2 24	16 59	0 45	3 37	1 53	32 25	10 12	23 18	23 9	16 27			n.a.
T 5	21 48	23 11	0 25	17 31	3 1	20 29	0 2	7 9	0 50	18 12	0 33	8 40	2 24	16 58	0 45	3 37	1 53	32 25	10 12	23 18	23 10	16 26			n.a.
F 6	21 58	23 7	0s42	17 9	3 9	20 47	0s 0	7 25	0 50	18 10	0 33	8 39	2 24	16 58	0 45	3 36	1 53	32 24	10 12	23 18	23 10	16 24			n.a.
S 7	22 8	21 56	1 46	16 50	3 14	21 5	0 3	7 41	0 50	18 9	0 33	8 38	2 23	16 57	0 45	3 36	1 53	32 24	10 12	23 18	23 10	16 22			n.a.
S 8	22 17	19 48	2 45	16 36	3 17	21 22	0 5	7 57	0 49	18 7	0 32	8 37	2 23	16 57	0 45	3 36	1 53	32 24	10 12	23 17	23 11	16 20			n.a.
M 9	22 26	16 49	3 37	16 25	3 19	21 38	0 7	8 13	0 49	18 5	0 32	8 36	2 23	16 56	0 45	3 35	1 53	32 23	10 11	23 17	23 11	16 19			n.a.
T 10	22 34	13 11	4 19	16 18	3 18	21 54	0 10	8 28	0 48	18 3	0 32	8 36	2 23	16 56	0 45	3 35	1 54	32 23	10 11	23 17	23 11	16 17			n.a.
W11	22 42	9 1	4 50	16 15	3 15	22 9	0 12	8 44	0 48	18 2	0 32	8 35	2 22	16 55	0 45	3 35	1 54	32 23	10 11	23 17	23 11	16 15			n.a.
T 12	22 50	4 28	5 9	16 16	3 12	22 23	0 15	9 0	0 47	18 0	0 32	8 34	2 22	16 54	0 45	3 35	1 54	32 22	10 11	23 17	23 12	16 14			n.a.
F 13	22 57	0n21	5 14	16 20	3 7	22 37	0 17	9 15	0 47	17 59	0 31	8 33	2 22	16 54	0 45	3 34	1 54	32 22	10 11	23 18	23 12	16 12			n.a.
S 14	23 3	5 16	5 4	16 27	3 1	22 50	0 19	9 31	0 46	17 57	0 31	8 33	2 21	16 53	0 45	3 34	1 54	32 22	10 11	23 18	23 12	16 10			n.a.
S 15	23 9	10 5	4 40	16 36	2 54	23 2	0 21	9 46	0 46	17 55	0 31	8 32	2 21	16 52	0 45	3 34	1 54	32 21	10 11	23 18	23 13	16 8			n.a.
M16	23 15	14 35	3 59	16 48	2 46	23 13	0 24	10 2	0 45	17 54	0 31	8 32	2 21	16 52	0 45	3 34	1 54	32 21	10 11	23 18	23 13	16 7			n.a.
T 17	23 20	18 28	3 4	17 2	2 38	23 24	0 26	10 17	0 45	17 52	0 31	8 31	2 21	16 51	0 45	3 34	1 54	32 21	10 11	23 19	23 13	16 5			n.a.
W18	23 25	21 24	1 57	17 18	2 30	23 34	0 28	10 32	0 44	17 51	0 30	8 31	2 20	16 50	0 45	3 33	1 54	32 20	10 11	23 19	23 13	16 3			n.a.
T 19	23 29	23 3	0 41	17 35	2 21	23 44	0 30	10 47	0 44	17 49	0 30	8 30	2 20	16 50	0 45	3 33	1 54	32 20	10 10	23 19	23 14	16 1			n.a.
F 20	23 33	23 12	0n38	17 53	2 12	23 53	0 33	11 2	0 43	17 48	0 30	8 30	2 20	16 49	0 45	3 33	1 54	32 20	10 10	23 19	23 14	15 59			n.a.
S 21	23 36	21 47	1 56	18 12	2 3	24 1	0 35	11 17	0 42	17 47	0 30	8 30	2 20	16 48	0 45	3 33	1 54	32 19	10 10	23 19	23 14	15 58			n.a.
S 22	23 39	18 57	3 6	18 32	1 53	24 8	0 37	11 32	0 42	17 45	0 30	8 29	2 19	16 47	0 45	3 33	1 54	32 19	10 10	23 19	23 15	15 56			n.a.
M23	23 42	14 58	4 4	18 53	1 44	24 14	0 39	11 47	0 41	17 44	0 29	8 29	2 19	16 47	0 44	3 33	1 54	32 19	10 10	23 19	23 15	15 54			n.a.
T 24	23 44	10 9	4 46	19 14	1 35	24 20	0 41	12 2	0 41	17 43	0 29	8 29	2 19	16 46	0 44	3 33	1 55	32 18	10 10	23 19	23 15	15 52			n.a.
W25	23 45	4 52	5 10	19 35	1 25	24 25	0 43	12 17	0 40	17 42	0 29	8 29	2 18	16 45	0 44	3 33	1 55	32 18	10 10	23 19	23 15	15 51			n.a.
T 26	23 46	0s35	5 16	19 57	1 16	24 29	0 45	12 31	0 40	17 40	0 29	8 29	2 18	16 44	0 44	3 33	1 55	32 18	10 10	23 19	23 16	15 49			n.a.
F 27	23 47	5 55	5 4	20 18	1 6	24 33	0 47	12 46	0 39	17 39	0 29	8 28	2 18	16 43	0 44	3 32	1 55	32 18	10 10	23 19	23 16	15 47			n.a.
S 28	23 47	10 54	4 35	20 39	0 57	24 36	0 49	13 0	0 38	17 38	0 28	8 28	2 17	16 43	0 44	3 32	1 55	32 17	10 10	23 19	23 16	15 45			n.a.
S 29	23 46	15 18	3 52	21 0	0 48	24 38	0 51	13 15	0 38	17 37	0 28	8 28	2 17	16 42	0 44	3 32	1 55	32 17	10 10	23 19	23 17	15 43			n.a.
M30	23 45	18 53	2 57	21 21	0 39	24 39	0 53	13 29	0 37	17 36	0 28	8 28	2 17	16 41	0 44	3 32	1 55	32 17	10 10	23 19	23 17	15 41			n.a.
T 31	23s44	21s29	1n54	21s41	0n30	24s39	0s55	13s43	0n36	17n35	0s28	8n28	2s17	16s40	0s44	3n32	1n55	32s16	10s10	23n19	23n17	15s40			n.a.

Julian Day Number = 1473022.5, Delta T = 05h29m18s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'58, Lahiri = -13°20'57 Julian Calendar 1 Dec. 681 BCE == Greg. Calendar 24 Nov. 681 BCE

The year -680 astronomical counting style corresponds to year 681 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

JANUARY 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 13 20	4♑33'15	2♑25	10♐43	4♑19	8♏27	20°R 6	27°R 7	17♒ 1	25♍34	20♑13	10°R55	11♋17	28♒43	n.a.	W 1
T 2	6 17 16	5°34'07	14°48	12° 0	5°34	9° 9	20♉ 2	27♈ 7	17° 4	25°34	20°15	10°D55	11°13	28°50	n.a.	T 2
F 3	6 21 13	6°34'57	27° 0	13°18	6°49	9°50	19°58	27° 7	17° 7	25°R34	20°17	10♋55	11°10	28°57	n.a.	F 3
S 4	6 25 10	7°35'45	9♒ 2	14°38	8° 4	10°31	19°55	27°D 7	17°10	25°34	20°18	10°56	11° 7	29° 3	n.a.	S 4
S 5	6 29 6	8°36'32	20°57	15°58	9°20	11°12	19°52	27° 7	17°13	25°34	20°20	10°56	11° 4	29°10	n.a.	S 5
M 6	6 33 3	9°37'17	2♓48	17°20	10°35	11°54	19°49	27° 7	17°15	25°34	20°22	10°56	11° 1	29°17	n.a.	M 6
T 7	6 36 59	10°38'00	14°38	18°43	11°50	12°35	19°46	27° 7	17°18	25°34	20°23	10°R56	10°58	29°23	n.a.	T 7
W 8	6 40 56	11°38'42	26°31	20° 7	13° 5	13°16	19°43	27° 7	17°21	25°34	20°25	10°56	10°54	29°30	n.a.	W 8
T 9	6 44 52	12°39'21	8♈32	21°33	14°20	13°58	19°41	27° 8	17°24	25°34	20°27	10°D56	10°51	29°37	n.a.	T 9
F 10	6 48 49	13°39'59	20°46	22°59	15°35	14°39	19°38	27° 9	17°27	25°33	20°28	10°56	10°48	29°43	n.a.	F 10
S 11	6 52 45	14°40'35	3♉16	24°26	16°50	15°20	19°36	27° 9	17°30	25°33	20°30	10°57	10°45	29°50	n.a.	S 11
S 12	6 56 42	15°41'09	16° 8	25°55	18° 5	16° 2	19°34	27°10	17°33	25°33	20°32	10°57	10°42	29°57	n.a.	S 12
M13	7 0 39	16°41'41	29°24	27°24	19°20	16°43	19°33	27°11	17°36	25°32	20°34	10°57	10°38	0♓ 4	n.a.	M13
T 14	7 4 35	17°42'11	13♊ 5	28°54	20°35	17°25	19°31	27°12	17°39	25°32	20°35	10°58	10°35	0°10	n.a.	T 14
W15	7 8 32	18°42'39	27°12	0♑25	21°50	18° 6	19°30	27°13	17°42	25°32	20°37	10°59	10°32	0°17	n.a.	W15
T 16	7 12 28	19°43'06	11♋41	1°57	23° 5	18°47	19°29	27°14	17°45	25°31	20°39	10°R59	10°29	0°24	n.a.	T 16
F 17	7 16 25	20°43'31	26°28	3°31	24°20	19°29	19°28	27°16	17°48	25°31	20°41	10°59	10°26	0°30	n.a.	F 17
S 18	7 20 21	21°43'53	11♌24	5° 5	25°35	20°10	19°27	27°17	17°52	25°30	20°42	10°58	10°23	0°37	n.a.	S 18
S 19	7 24 18	22°44'14	26°21	6°40	26°50	20°52	19°27	27°19	17°55	25°30	20°44	10°56	10°19	0°44	n.a.	S 19
M20	7 28 15	23°44'34	11♍12	8°16	28° 5	21°33	19°27	27°21	17°58	25°29	20°46	10°55	10°16	0°50	n.a.	M20
T 21	7 32 11	24°44'51	25°50	9°53	29°20	22°15	19°D27	27°22	18° 1	25°29	20°47	10°53	10°13	0°57	n.a.	T 21
W22	7 36 8	25°45'07	10♎ 9	11°31	0♒34	22°56	19°27	27°24	18° 4	25°28	20°49	10°52	10°10	1° 4	n.a.	W22
T 23	7 40 4	26°45'22	24° 7	13°10	1°49	23°38	19°27	27°26	18° 8	25°28	20°51	10°D52	10° 7	1°10	n.a.	T 23
F 24	7 44 1	27°45'35	7♏44	14°50	3° 4	24°19	19°27	27°29	18°11	25°27	20°53	10°52	10° 4	1°17	n.a.	F 24
S 25	7 47 57	28°45'46	21° 0	16°31	4°19	25° 1	19°28	27°31	18°14	25°26	20°54	10°53	10° 0	1°24	n.a.	S 25
S 26	7 51 54	29°45'56	3♐58	18°13	5°34	25°43	19°29	27°33	18°17	25°25	20°56	10°54	9°57	1°31	n.a.	S 26
M27	7 55 50	0♒46'04	16°40	19°56	6°49	26°24	19°30	27°36	18°21	25°25	20°58	10°56	9°54	1°37	n.a.	M27
T 28	7 59 47	1°46'10	29° 8	21°40	8° 3	27° 6	19°31	27°38	18°24	25°24	20°59	10°57	9°51	1°44	n.a.	T 28
W29	8 3 43	2°46'14	11♑26	23°25	9°18	27°47	19°33	27°41	18°27	25°23	21° 1	10°R57	9°48	1°51	n.a.	W29
T 30	8 7 40	3°46'17	23°34	25°11	10°33	28°29	19°35	27°44	18°31	25°22	21° 3	10°57	9°44	1°57	n.a.	T 30
F 31	8 11 37	4♒46'17	5♒35	26♑59	11♒48	29♏11	19♉37	27♈47	18♒34	25♍21	21♑ 5	10♋55	9♋41	2♓ 4	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23 s42	22 s58	0n47	22 s 1	0n21	24 s39	0 s57	13 s57	0n36	17n34	0 s28	8n29	2 s16	16 s39	0 s44	3n32	1n55	32 s16	10 s10	23n19	23n17	15 s38			n.a.
T 2	23 39	23 18	0 s22	22 20	0 13	24 38	0 58	14 11	0 35	17 34	0 27	8 29	2 16	16 38	0 44	3 33	1 55	32 16	10 10	23 19	23 18	15 36			n.a.
F 3	23 37	22 30	1 28	22 39	0 4	24 36	1 0	14 25	0 35	17 33	0 27	8 29	2 16	16 38	0 44	3 33	1 55	32 16	10 10	23 19	23 18	15 34			n.a.
S 4	23 33	20 39	2 30	22 56	0 s 4	24 33	1 2	14 39	0 34	17 32	0 27	8 29	2 15	16 37	0 44	3 33	1 55	32 15	10 10	23 19	23 18	15 32			n.a.
S 5	23 30	17 56	3 25	23 13	0 12	24 30	1 3	14 53	0 33	17 31	0 27	8 30	2 15	16 36	0 44	3 33	1 55	32 15	10 10	23 19	23 18	15 30			n.a.
M 6	23 25	14 30	4 10	23 29	0 20	24 26	1 5	15 6	0 33	17 31	0 26	8 30	2 15	16 35	0 44	3 33	1 55	32 15	10 10	23 19	23 19	15 29			n.a.
T 7	23 21	10 30	4 45	23 44	0 27	24 21	1 6	15 20	0 32	17 30	0 26	8 30	2 14	16 34	0 44	3 33	1 55	32 14	10 10	23 19	23 19	15 27			n.a.
W 8	23 15	6 6	5 8	23 59	0 34	24 15	1 8	15 33	0 31	17 30	0 26	8 31	2 14	16 33	0 44	3 33	1 56	32 14	10 10	23 19	23 19	15 25			n.a.
T 9	23 10	1 25	5 17	24 12	0 42	24 8	1 9	15 46	0 30	17 29	0 26	8 31	2 14	16 32	0 44	3 33	1 56	32 14	10 10	23 19	23 20	15 23			n.a.
F 10	23 4	3n23	5 13	24 24	0 49	24 1	1 11	15 59	0 30	17 29	0 26	8 32	2 13	16 31	0 44	3 33	1 56	32 14	10 10	23 19	23 20	15 21			n.a.
S 11	22 57	8 11	4 54	24 35	0 55	23 53	1 12	16 12	0 29	17 28	0 25	8 32	2 13	16 30	0 44	3 34	1 56	32 13	10 10	23 19	23 20	15 19			n.a.
S 12	22 50	12 45	4 20	24 44	1 2	23 45	1 13	16 25	0 28	17 28	0 25	8 33	2 13	16 29	0 44	3 34	1 56	32 13	10 10	23 19	23 20	15 17			n.a.
M13	22 43	16 52	3 31	24 53	1 8	23 35	1 14	16 38	0 27	17 28	0 25	8 33	2 13	16 28	0 44	3 34	1 56	32 13	10 10	23 19	23 21	15 16			n.a.
T 14	22 35	20 14	2 29	25 0	1 14	23 25	1 16	16 50	0 27	17 28	0 25	8 34	2 12	16 27	0 44	3 34	1 56	32 13	10 10	23 19	23 21	15 14			n.a.
W15	22 27	22 29	1 16	25 6	1 19	23 14	1 17	17 3	0 26	17 28	0 25	8 35	2 12	16 26	0 44	3 34	1 56	32 12	10 10	23 19	23 21	15 12			n.a.
T 16	22 18	23 19	0n 4	25 10	1 25	23 3	1 18	17 15	0 25	17 27	0 24	8 35	2 12	16 25	0 44	3 35	1 56	32 12	10 10	23 19	23 21	15 10			n.a.
F 17	22 9	22 33	1 25	25 13	1 30	22 51	1 19	17 27	0 24	17 27	0 24	8 36	2 11	16 24	0 44	3 35	1 56	32 12	10 10	23 19	23 22	15 8			n.a.
S 18	22 0	20 11	2 41	25 15	1 34	22 38	1 20	17 39	0 24	17 27	0 24	8 37	2 11	16 23	0 44	3 35	1 56	32 12	10 10	23 19	23 22	15 6			n.a.
S 19	21 50	16 26	3 46	25 15	1 39	22 24	1 21	17 51	0 23	17 28	0 24	8 38	2 11	16 22	0 44	3 35	1 56	32 11	10 10	23 19	23 22	15 4			n.a.
M20	21 39	11 41	4 35	25 13	1 43	22 10	1 21	18 3	0 22	17 28	0 24	8 39	2 10	16 21	0 44	3 36	1 56	32 11	10 10	23 19	23 22	15 2			n.a.
T 21	21 29	6 21	5 6	25 10	1 46	21 55	1 22	18 15	0 21	17 28	0 23	8 40	2 10	16 20	0 44	3 36	1 56	32 11	10 10	23 19	23 23	15 0			n.a.
W22	21 18	0 46	5 16	25 6	1 50	21 39	1 23	18 26	0 20	17 28	0 23	8 41	2 10	16 19	0 44	3 36	1 56	32 11	10 10	23 19	23 23	14 58			n.a.
T 23	21 6	4 s43	5 8	24 59	1 53	21 23	1 23	18 38	0 20	17 28	0 23	8 42	2 9	16 18	0 44	3 36	1 57	32 10	10 10	23 20	23 23	14 57			n.a.
F 24	20 54	9 50	4 42	24 51	1 56	21 6	1 24	18 49	0 19	17 29	0 23	8 43	2 9	16 17	0 44	3 37	1 57	32 10	10 11	23 19	23 23	14 55			n.a.
S 25	20 42	14 22	4 2	24 41	1 58	20 49	1 25	19 0	0 18	17 29	0 22	8 44	2 9	16 16	0 44	3 37	1 57	32 10	10 11	23 19	23 24	14 53			n.a.
S 26	20 29	18 7	3 10	24 30	2 0	20 31	1 25	19 11	0 17	17 30	0 22	8 45	2 9	16 15	0 44	3 37	1 57	32 10	10 11	23 19	23 24	14 51			n.a.
M27	20 16	20 56	2 10	24 16	2 1	20 12	1 25	19 22	0 16	17 30	0 22	8 46	2 8	16 14	0 44	3 38	1 57	32 10	10 11	23 19	23 24	14 49			n.a.
T 28	20 3	22 42	1 5	24 1	2 2	19 53	1 26	19 32	0 15	17 31	0 22	8 47	2 8	16 13	0 44	3 38	1 57	32 9	10 11	23 19	23 24	14 47			n.a.
W29	19 49	23 19	0 s 3	23 44	2 3	19 33	1 26	19 43	0 14	17 31	0 22	8 49	2 8	16 12	0 44	3 39	1 57	32 9	10 11	23 19	23 25	14 45			n.a.
T 30	19 35	22 49	1 9	23 25	2 3	19 13	1 26	19 53	0 13	17 32	0 21	8 50	2 7	16 11	0 44	3 39	1 57	32 9	10 11	23 19	23 25	14 43			n.a.
F 31	19 s20	21 s16	2 s11	23 s 4	2 s 3	18 s52	1 s26	20 s 3	0n12	17n33	0 s21	8n51	2 s 7	16 s10	0 s44	3n39	1n57	32 s 9	10 s11	23n19	23n25	14 s41			n.a.

Julian Day Number = 1473053.5, Delta T = 05h29m16s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'54, Lahiri = -13°20'53 Julian Calendar 1 Jan. 680 BCE == Greg. Calendar 25 Dec. 681 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

FEBRUARY 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 15 33	5♒46'15	17♒31	28♉47	13♒ 2	29♏52	19♉39	27♈50	18♒37	25°R21	21♉ 6	10°R52	9♋38	2♓11	n.a.	S 1
S 2	8 19 30	6°46'11	29°23	0♒37	14°17	0♐34	19°41	27°53	18°41	25♏20	21° 8	10♋48	9°35	2°17	n.a.	S 2
M 3	8 23 26	7°46'05	11♓13	2°28	15°32	1°15	19°43	27°56	18°44	25°19	21°10	10°43	9°32	2°24	n.a.	M 3
T 4	8 27 23	8°45'57	23° 4	4°19	16°46	1°57	19°46	27°59	18°48	25°18	21°11	10°38	9°29	2°31	n.a.	T 4
W 5	8 31 19	9°45'46	4♈58	6°12	18° 1	2°39	19°49	28° 3	18°51	25°17	21°13	10°33	9°25	2°38	n.a.	W 5
T 6	8 35 16	10°45'33	16°59	8° 6	19°15	3°20	19°52	28° 6	18°54	25°16	21°15	10°30	9°22	2°44	n.a.	T 6
F 7	8 39 12	11°45'18	29°11	10° 1	20°30	4° 2	19°55	28°10	18°58	25°15	21°16	10°27	9°19	2°51	n.a.	F 7
S 8	8 43 9	12°45'01	11♉37	11°58	21°45	4°44	19°58	28°13	19° 1	25°13	21°18	10°D27	9°16	2°58	n.a.	S 8
S 9	8 47 6	13°44'41	24°22	13°55	22°59	5°25	20° 2	28°17	19° 5	25°12	21°19	10°27	9°13	3° 4	n.a.	S 9
M10	8 51 2	14°44'18	7♊30	15°52	24°14	6° 7	20° 6	28°21	19° 8	25°11	21°21	10°28	9° 9	3°11	n.a.	M10
T 11	8 54 59	15°43'54	21° 5	17°51	25°28	6°48	20°10	28°25	19°11	25°10	21°23	10°30	9° 6	3°18	n.a.	T 11
W12	8 58 55	16°43'26	5♋ 7	19°51	26°43	7°30	20°14	28°29	19°15	25° 9	21°24	10°R31	9° 3	3°24	n.a.	W12
T 13	9 2 52	17°42'57	19°36	21°51	27°57	8°12	20°18	28°33	19°18	25° 8	21°26	10°31	9° 0	3°31	n.a.	T 13
F 14	9 6 48	18°42'25	4♌29	23°51	29°11	8°53	20°22	28°38	19°22	25° 7	21°27	10°29	8°57	3°38	n.a.	F 14
S 15	9 10 45	19°41'51	19°38	25°52	0♓26	9°35	20°27	28°42	19°25	25° 5	21°29	10°25	8°54	3°44	n.a.	S 15
S 16	9 14 41	20°41'15	4♍54	27°52	1°40	10°17	20°32	28°46	19°28	25° 4	21°30	10°20	8°50	3°51	n.a.	S 16
M17	9 18 38	21°40'36	20° 6	29°52	2°55	10°58	20°37	28°51	19°32	25° 3	21°32	10°14	8°47	3°58	n.a.	M17
T 18	9 22 35	22°39'56	5♎ 5	1♓52	4° 9	11°40	20°42	28°55	19°35	25° 1	21°34	10° 7	8°44	4° 5	n.a.	T 18
W19	9 26 31	23°39'14	19°42	3°51	5°23	12°22	20°47	29° 0	19°39	25° 0	21°35	10° 2	8°41	4°11	n.a.	W19
T 20	9 30 28	24°38'29	3♏52	5°49	6°37	13° 3	20°53	29° 5	19°42	24°59	21°37	9°58	8°38	4°18	n.a.	T 20
F 21	9 34 24	25°37'43	17°35	7°45	7°52	13°45	20°58	29°10	19°46	24°57	21°38	9°56	8°35	4°25	n.a.	F 21
S 22	9 38 21	26°36'55	0♐50	9°39	9° 6	14°27	21° 4	29°15	19°49	24°56	21°40	9°D56	8°31	4°31	n.a.	S 22
S 23	9 42 17	27°36'05	13°43	11°31	10°20	15° 9	21°10	29°20	19°52	24°55	21°41	9°57	8°28	4°38	n.a.	S 23
M24	9 46 14	28°35'14	26°15	13°20	11°34	15°50	21°16	29°25	19°56	24°53	21°42	9°58	8°25	4°45	n.a.	M24
T 25	9 50 10	29°34'20	8♉32	15° 6	12°48	16°32	21°22	29°30	19°59	24°52	21°44	9°R59	8°22	4°51	n.a.	T 25
W26	9 54 7	0♓33'25	20°38	16°49	14° 3	17°14	21°29	29°35	20° 3	24°50	21°45	9°58	8°19	4°58	n.a.	W26
T 27	9 58 3	1°32'27	2♒36	18°27	15°17	17°55	21°35	29°41	20° 6	24°49	21°47	9°56	8°15	5° 5	n.a.	T 27
F 28	10 2 0	2♓31'27	14♒29	20♓ 1	16♓31	18♐37	21♉42	29♈46	20♒ 9	24♏47	21♉48	9♋51	8♋12	5♓12	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s 6	18s46	3s 8	22s41	2s 2	18s31	1s26	20s13	0n11	17n33	0s21	8n53	2s 7	16s 9	0s44	3n40	1n57	32s 9	10s11	23n20	23n25	14s39		n.a.
S 2	18 51	15 31	3 55	22 16	2 1	18 9	1 26	20 23	0 11	17 34	0 21	8 54	2 7	16 8	0 44	3 40	1 57	32 9	10 11	23 20	23 25	14 37		n.a.
M 3	18 35	11 39	4 33	21 50	2 0	17 47	1 26	20 33	0 10	17 35	0 21	8 55	2 6	16 7	0 44	3 41	1 57	32 8	10 12	23 20	23 26	14 35		n.a.
T 4	18 19	7 21	4 58	21 21	1 57	17 24	1 26	20 42	0 9	17 36	0 20	8 57	2 6	16 6	0 44	3 41	1 57	32 8	10 12	23 21	23 26	14 33		n.a.
W 5	18 3	2 45	5 11	20 50	1 55	17 0	1 26	20 51	0 8	17 37	0 20	8 58	2 6	16 5	0 44	3 42	1 57	32 8	10 12	23 21	23 26	14 31		n.a.
T 6	17 47	1n59	5 11	20 17	1 51	16 37	1 26	21 1	0 7	17 38	0 20	9 0	2 5	16 4	0 44	3 42	1 57	32 8	10 12	23 21	23 26	14 29		n.a.
F 7	17 30	6 43	4 56	19 42	1 47	16 12	1 25	21 10	0 6	17 39	0 20	9 1	2 5	16 2	0 44	3 42	1 57	32 8	10 12	23 21	23 27	14 27		n.a.
S 8	17 13	11 17	4 28	19 6	1 43	15 48	1 25	21 18	0 5	17 40	0 20	9 3	2 5	16 1	0 44	3 43	1 57	32 8	10 12	23 22	23 27	14 25		n.a.
S 9	16 56	15 29	3 46	18 27	1 38	15 23	1 25	21 27	0 4	17 41	0 19	9 5	2 5	16 0	0 44	3 43	1 58	32 8	10 12	23 22	23 27	14 23		n.a.
M10	16 38	19 4	2 50	17 46	1 32	14 57	1 24	21 35	0 3	17 42	0 19	9 6	2 4	15 59	0 44	3 44	1 58	32 7	10 13	23 21	23 27	14 21		n.a.
T 11	16 21	21 44	1 44	17 4	1 26	14 31	1 23	21 44	0 2	17 44	0 19	9 8	2 4	15 58	0 44	3 44	1 58	32 7	10 13	23 21	23 28	14 19		n.a.
W12	16 3	23 11	0 29	16 19	1 19	14 5	1 23	21 52	0 0	17 45	0 19	9 10	2 4	15 57	0 44	3 45	1 58	32 7	10 13	23 21	23 28	14 17		n.a.
T 13	15 44	23 8	0n49	15 33	1 12	13 38	1 22	22 0	0s 1	17 46	0 19	9 11	2 3	15 56	0 44	3 45	1 58	32 7	10 13	23 21	23 28	14 15		n.a.
F 14	15 26	21 28	2 7	14 46	1 4	13 11	1 21	22 7	0 2	17 48	0 19	9 13	2 3	15 55	0 44	3 46	1 58	32 7	10 13	23 21	23 28	14 13		n.a.
S 15	15 7	18 14	3 16	13 57	0 55	12 44	1 21	22 15	0 3	17 49	0 18	9 15	2 3	15 54	0 44	3 47	1 58	32 7	10 13	23 22	23 28	14 11		n.a.
S 16	14 48	13 45	4 13	13 6	0 46	12 16	1 20	22 22	0 4	17 51	0 18	9 17	2 3	15 53	0 44	3 47	1 58	32 7	10 14	23 22	23 29	14 9		n.a.
M17	14 29	8 25	4 51	12 15	0 37	11 48	1 19	22 29	0 5	17 52	0 18	9 19	2 2	15 52	0 44	3 48	1 58	32 7	10 14	23 23	23 29	14 7		n.a.
T 18	14 9	2 39	5 8	11 22	0 26	11 20	1 18	22 36	0 6	17 54	0 18	9 21	2 2	15 51	0 44	3 48	1 58	32 7	10 14	23 23	23 29	14 5		n.a.
W19	13 49	3s 7	5 5	10 29	0 16	10 51	1 17	22 43	0 7	17 55	0 18	9 23	2 2	15 49	0 44	3 49	1 58	32 7	10 14	23 23	23 29	14 3		n.a.
T 20	13 30	8 33	4 43	9 35	0 4	10 22	1 15	22 49	0 8	17 57	0 17	9 24	2 2	15 48	0 44	3 49	1 58	32 6	10 14	23 24	23 29	14 1		n.a.
F 21	13 9	13 23	4 5	8 40	0n 7	9 53	1 14	22 56	0 10	17 58	0 17	9 26	2 1	15 47	0 44	3 50	1 58	32 6	10 14	23 24	23 30	13 59		n.a.
S 22	12 49	17 26	3 16	7 46	0 19	9 24	1 13	23 2	0 11	18 0	0 17	9 28	2 1	15 46	0 44	3 51	1 58	32 6	10 15	23 24	23 30	13 57		n.a.
S 23	12 29	20 30	2 17	6 52	0 31	8 54	1 12	23 8	0 12	18 2	0 17	9 30	2 1	15 45	0 44	3 51	1 58	32 6	10 15	23 24	23 30	13 55		n.a.
M24	12 8	22 30	1 14	5 58	0 43	8 24	1 10	23 14	0 13	18 4	0 17	9 32	2 1	15 44	0 44	3 52	1 58	32 6	10 15	23 24	23 30	13 53		n.a.
T 25	11 47	23 22	0 8	5 6	0 56	7 54	1 9	23 19	0 14	18 6	0 17	9 35	2 0	15 43	0 44	3 52	1 58	32 6	10 15	23 24	23 31	13 51		n.a.
W26	11 26	23 6	0s57	4 14	1 8	7 24	1 7	23 25	0 16	18 7	0 16	9 37	2 0	15 42	0 44	3 53	1 58	32 6	10 15	23 24	23 31	13 49		n.a.
T 27	11 5	21 47	1 59	3 24	1 21	6 53	1 6	23 30	0 17	18 9	0 16	9 39	2 0	15 41	0 44	3 54	1 58	32 6	10 16	23 24	23 31	13 47		n.a.
F 28	10s43	19s30	2s54	2s35	1n33	6s23	1s 4	23s35	0s18	18n11	0s16	9n41	2s 0	15s40	0s44	3n54	1n58	32s 6	10s16	23n24	23n31	13s45		n.a.

Julian Day Number = 1473084.5, Delta T = 05h29m14s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'49, Lahiri = -13°20'49 Julian Calendar 1 Feb. 680 BCE == Greg. Calendar 25 Jan. 680 BCE

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

MARCH 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 5 57	3♓30'26	26♒20	21♓30	17♓45	19♐18	21♉49	29♈51	20♒13	24°R46	21♑49	9°R43	8♋ 9	5♓18	n.a.	S 1
S 2	10 9 53	4°29'22	8♓10	22°55	18°59	20° 0	21°56	29°57	20°16	24♍44	21°51	9♋34	8° 6	5°25	n.a.	S 2
M 3	10 13 50	5°28'16	20° 2	24°14	20°13	20°42	22° 3	0♉ 3	20°19	24°43	21°52	9°23	8° 3	5°32	n.a.	M 3
T 4	10 17 46	6°27'08	1♈56	25°28	21°27	21°23	22°10	0° 8	20°23	24°41	21°53	9°12	8° 0	5°38	n.a.	T 4
W 5	10 21 43	7°25'57	13°55	26°36	22°41	22° 5	22°17	0°14	20°26	24°40	21°55	9° 1	7°56	5°45	n.a.	W 5
T 6	10 25 39	8°24'44	26° 0	27°39	23°55	22°46	22°25	0°20	20°29	24°38	21°56	8°52	7°53	5°52	n.a.	T 6
F 7	10 29 36	9°23'30	8♉14	28°35	25° 9	23°28	22°33	0°26	20°33	24°37	21°57	8°45	7°50	5°58	n.a.	F 7
S 8	10 33 32	10°22'12	20°41	29°25	26°23	24° 9	22°41	0°32	20°36	24°35	21°59	8°41	7°47	6° 5	n.a.	S 8
S 9	10 37 29	11°20'53	3♊23	0♈ 9	27°36	24°51	22°48	0°38	20°39	24°34	22° 0	8°39	7°44	6°12	n.a.	S 9
M10	10 41 25	12°19'31	16°25	0°47	28°50	25°32	22°57	0°44	20°42	24°32	22° 1	8°D39	7°41	6°19	n.a.	M10
T 11	10 45 22	13°18'07	29°51	1°18	0♈ 4	26°14	23° 5	0°50	20°46	24°30	22° 2	8°40	7°37	6°25	n.a.	T 11
W12	10 49 19	14°16'40	13♋42	1°43	1°18	26°55	23°13	0°56	20°49	24°29	22° 3	8°R40	7°34	6°32	n.a.	W12
T 13	10 53 15	15°15'11	28° 1	2° 2	2°32	27°37	23°22	1° 3	20°52	24°27	22° 4	8°38	7°31	6°39	n.a.	T 13
F 14	10 57 12	16°13'40	12♌45	2°14	3°45	28°18	23°30	1° 9	20°55	24°26	22° 6	8°35	7°28	6°45	n.a.	F 14
S 15	11 1 8	17°12'07	27°49	2°20	4°59	29° 0	23°39	1°15	20°58	24°24	22° 7	8°28	7°25	6°52	n.a.	S 15
S 16	11 5 5	18°10'31	13♍ 6	2°R20	6°13	29°41	23°48	1°22	21° 1	24°22	22° 8	8°20	7°21	6°59	n.a.	S 16
M17	11 9 1	19° 8'54	28°24	2°14	7°26	0♑22	23°57	1°28	21° 5	24°21	22° 9	8°10	7°18	7° 6	n.a.	M17
T 18	11 12 58	20° 7'14	13♎32	2° 3	8°40	1° 4	24° 6	1°35	21° 8	24°19	22°10	8° 0	7°15	7°12	n.a.	T 18
W19	11 16 54	21° 5'33	28°20	1°46	9°53	1°45	24°15	1°41	21°11	24°18	22°11	7°50	7°12	7°19	n.a.	W19
T 20	11 20 51	22° 3'50	12♏42	1°25	11° 7	2°26	24°24	1°48	21°14	24°16	22°12	7°43	7° 9	7°26	n.a.	T 20
F 21	11 24 48	23° 2'05	26°34	0°59	12°20	3° 8	24°33	1°55	21°17	24°14	22°13	7°38	7° 6	7°32	n.a.	F 21
S 22	11 28 44	24° 0'19	9♐56	0°29	13°34	3°49	24°43	2° 2	21°20	24°13	22°14	7°36	7° 2	7°39	n.a.	S 22
S 23	11 32 41	24°58'31	22°50	29♓56	14°47	4°30	24°52	2° 8	21°23	24°11	22°15	7°D35	6°59	7°46	n.a.	S 23
M24	11 36 37	25°56'42	5♑23	29°21	16° 0	5°11	25° 2	2°15	21°26	24° 9	22°16	7°R35	6°56	7°52	n.a.	M24
T 25	11 40 34	26°54'51	17°37	28°43	17°14	5°53	25°12	2°22	21°29	24° 8	22°17	7°35	6°53	7°59	n.a.	T 25
W26	11 44 30	27°52'58	29°39	28° 4	18°27	6°34	25°22	2°29	21°32	24° 6	22°18	7°33	6°50	8° 6	n.a.	W26
T 27	11 48 27	28°51'04	11♒32	27°25	19°40	7°15	25°32	2°36	21°35	24° 4	22°18	7°29	6°46	8°13	n.a.	T 27
F 28	11 52 23	29°49'08	23°22	26°46	20°54	7°56	25°42	2°43	21°37	24° 3	22°19	7°22	6°43	8°19	n.a.	F 28
S 29	11 56 20	0♈47'11	5♓11	26° 7	22° 7	8°37	25°52	2°50	21°40	24° 1	22°20	7°13	6°40	8°26	n.a.	S 29
S 30	12 0 16	1°45'12	17° 3	25°30	23°20	9°18	26° 2	2°57	21°43	24° 0	22°21	7° 1	6°37	8°33	n.a.	S 30
M31	12 4 13	2♈43'11	28♓58	24♓56	24♈33	9♑59	26♉13	3♉ 5	21♒46	23♍58	22♑22	6♋47	6♋34	8♓39	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s22	16s23	3s42	1s49	1n45	5s52	1s 3	23s40	0s19	18n13	0s16	9n43	1s59	15s39	0s44	3n55	1n58	32s 6	10s16	23n25	23n31	13s43		n.a.
S 2	10 0	12 38	4 20	1 4	1 56	5 21	1 1	23 44	0 21	18 15	0 16	9 45	1 59	15 38	0 44	3 55	1 58	32 6	10 16	23 26	23 32	13 40		n.a.
M 3	9 38	8 24	4 47	0 23	2 7	4 50	0 59	23 48	0 22	18 17	0 16	9 47	1 59	15 37	0 44	3 56	1 58	32 6	10 17	23 26	23 32	13 38		n.a.
T 4	9 16	3 49	5 2	0n17	2 18	4 19	0 58	23 53	0 23	18 19	0 15	9 50	1 59	15 35	0 44	3 57	1 58	32 6	10 17	23 27	23 32	13 36		n.a.
W 5	8 54	0n55	5 3	0 53	2 28	3 48	0 56	23 57	0 24	18 21	0 15	9 52	1 59	15 34	0 44	3 57	1 58	32 6	10 17	23 28	23 32	13 34		n.a.
T 6	8 32	5 40	4 51	1 27	2 37	3 16	0 54	24 0	0 26	18 23	0 15	9 54	1 58	15 33	0 44	3 58	1 58	32 6	10 17	23 29	23 32	13 32		n.a.
F 7	8 10	10 16	4 25	1 58	2 46	2 45	0 52	24 4	0 27	18 26	0 15	9 56	1 58	15 32	0 44	3 59	1 58	32 6	10 18	23 29	23 32	13 30		n.a.
S 8	7 47	14 32	3 47	2 25	2 54	2 13	0 50	24 7	0 28	18 28	0 15	9 59	1 58	15 31	0 44	3 59	1 59	32 6	10 18	23 29	23 33	13 28		n.a.
S 9	7 25	18 15	2 56	2 49	3 1	1 42	0 48	24 10	0 30	18 30	0 15	10 1	1 58	15 30	0 44	4 0	1 59	32 6	10 18	23 29	23 33	13 26		n.a.
M10	7 2	21 9	1 56	3 9	3 6	1 10	0 46	24 13	0 31	18 32	0 14	10 3	1 58	15 29	0 44	4 1	1 59	32 6	10 18	23 29	23 33	13 24		n.a.
T 11	6 39	23 0	0 47	3 26	3 11	0 38	0 44	24 16	0 33	18 34	0 14	10 6	1 57	15 28	0 44	4 1	1 59	32 6	10 19	23 29	23 33	13 22		n.a.
W12	6 16	23 30	0n27	3 40	3 15	0 7	0 42	24 18	0 34	18 37	0 14	10 8	1 57	15 27	0 44	4 2	1 59	32 6	10 19	23 29	23 33	13 19		n.a.
T 13	5 53	22 30	1 41	3 49	3 17	0n25	0 39	24 21	0 35	18 39	0 14	10 11	1 57	15 26	0 44	4 3	1 59	32 6	10 19	23 29	23 34	13 17		n.a.
F 14	5 30	19 57	2 51	3 55	3 18	0 57	0 37	24 23	0 37	18 41	0 14	10 13	1 57	15 25	0 44	4 3	1 59	32 6	10 19	23 30	23 34	13 15		n.a.
S 15	5 7	15 59	3 50	3 58	3 18	1 29	0 35	24 25	0 38	18 44	0 14	10 15	1 56	15 24	0 44	4 4	1 59	32 6	10 20	23 30	23 34	13 13		n.a.
S 16	4 44	10 56	4 34	3 56	3 17	2 0	0 32	24 26	0 40	18 46	0 13	10 18	1 56	15 23	0 44	4 5	1 59	32 7	10 20	23 31	23 34	13 11		n.a.
M17	4 21	5 11	4 58	3 51	3 14	2 32	0 30	24 28	0 41	18 48	0 13	10 20	1 56	15 22	0 44	4 5	1 59	32 7	10 20	23 31	23 34	13 9		n.a.
T 18	3 58	0s49	5 1	3 43	3 9	3 3	0 28	24 29	0 43	18 51	0 13	10 23	1 56	15 21	0 44	4 6	1 59	32 7	10 20	23 32	23 35	13 7		n.a.
W19	3 35	6 38	4 43	3 31	3 3	3 35	0 25	24 30	0 44	18 53	0 13	10 25	1 56	15 20	0 44	4 7	1 59	32 7	10 21	23 32	23 35	13 5		n.a.
T 20	3 11	11 56	4 8	3 16	2 56	4 6	0 23	24 31	0 46	18 56	0 13	10 28	1 56	15 19	0 44	4 7	1 59	32 7	10 21	23 33	23 35	13 2		n.a.
F 21	2 48	16 26	3 19	2 57	2 48	4 38	0 20	24 31	0 47	18 58	0 13	10 30	1 55	15 18	0 44	4 8	1 59	32 7	10 21	23 33	23 35	13 0		n.a.
S 22	2 25	19 56	2 21	2 36	2 38	5 9	0 18	24 32	0 49	19 1	0 13	10 33	1 55	15 17	0 44	4 9	1 59	32 7	10 21	23 33	23 35	12 58		n.a.
S 23	2 1	22 18	1 17	2 13	2 26	5 40	0 15	24 32	0 50	19 3	0 12	10 35	1 55	15 16	0 44	4 9	1 59	32 7	10 22	23 33	23 35	12 56		n.a.
M24	1 38	23 28	0 12	1 47	2 14	6 11	0 13	24 32	0 52	19 6	0 12	10 38	1 55	15 15	0 44	4 10	1 59	32 7	10 22	23 33	23 36	12 54		n.a.
T 25	1 15	23 28	0s53	1 19	2 1	6 42	0 10	24 32	0 53	19 8	0 12	10 40	1 55	15 14	0 44	4 11	1 59	32 7	10 22	23 33	23 36	12 52		n.a.
W26	0 51	22 22	1 54	0 50	1 46	7 13	0 8	24 31	0 55	19 11	0 12	10 43	1 54	15 13	0 44	4 11	1 59	32 8	10 23	23 33	23 36	12 49		n.a.
T 27	0 28	20 16	2 49	0 21	1 31	7 43	0 5	24 31	0 56	19 13	0 12	10 46	1 54	15 12	0 44	4 12	1 59	32 8	10 23	23 34	23 36	12 47		n.a.
F 28	0 4	17 19	3 37	0s10	1 15	8 14	0 3	24 30	0 58	19 16	0 12	10 48	1 54	15 12	0 44	4 12	1 59	32 8	10 23	23 34	23 36	12 45		n.a.
S 29	0n19	13 41	4 15	0 40	0 59	8 44	0n 0	24 29	1 0	19 18	0 12	10 51	1 54	15 11	0 44	4 13	1 59	32 8	10 24	23 35	23 36	12 43		n.a.
S 30	0 42	9 30	4 42	1 10	0 42	9 14	0 3	24 28	1 1	19 21	0 11	10 53	1 54	15 10	0 44	4 14	1 59	32 8	10 24	23 35	23 37	12 41		n.a.
M31	1n 6	4s57	4s57	1s39	0n25	9n44	0n 5	24s26	1s 3	19n24	0s11	10n56	1s54	15s 9	0s44	4n14	1n59	32s 8	10s24	23n36	23n37	12s39		n.a.

Julian Day Number = 1473112.5, Delta T = 05h29m13s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'45, Lahiri = -13°20'45 Julian Calendar 1 March 680 BCE == Greg. Calendar 22 Feb. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

APRIL 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 8 10	3♈41'08	10♈59	24°R23	25♈46	10♎40	26♉23	3♉12	21♒49	23°R56	22♎22	6°R33	6♋31	8♓46	n.a.	T 1
W 2	12 12 6	4°39'04	23° 6	23♓54	27° 0	11°20	26°34	3°19	21°51	23♍55	22°23	6♋20	6°27	8°53	n.a.	W 2
T 3	12 16 3	5°36'58	5♉21	23°29	28°13	12° 1	26°45	3°26	21°54	23°53	22°24	6° 8	6°24	9° 0	n.a.	T 3
F 4	12 19 59	6°34'50	17°45	23° 7	29°26	12°42	26°55	3°34	21°57	23°52	22°24	5°59	6°21	9° 6	n.a.	F 4
S 5	12 23 56	7°32'41	0♊19	22°50	0♉39	13°22	27° 6	3°41	21°59	23°50	22°25	5°53	6°18	9°13	n.a.	S 5
S 6	12 27 52	8°30'30	13° 7	22°37	1°52	14° 3	27°17	3°48	22° 2	23°48	22°26	5°49	6°15	9°20	n.a.	S 6
M 7	12 31 49	9°28'17	26°11	22°28	3° 5	14°44	27°28	3°56	22° 5	23°47	22°26	5°48	6°12	9°26	n.a.	M 7
T 8	12 35 45	10°26'02	9♋33	22°D24	4°18	15°24	27°39	4° 3	22° 7	23°45	22°27	5°48	6° 8	9°33	n.a.	T 8
W 9	12 39 42	11°23'45	23°17	22°25	5°30	16° 5	27°50	4°11	22°10	23°44	22°27	5°48	6° 5	9°40	n.a.	W 9
T 10	12 43 39	12°21'27	7♌23	22°30	6°43	16°45	28° 1	4°18	22°12	23°42	22°28	5°46	6° 2	9°46	n.a.	T 10
F 11	12 47 35	13°19'07	21°52	22°40	7°56	17°25	28°13	4°26	22°15	23°41	22°29	5°42	5°59	9°53	n.a.	F 11
S 12	12 51 32	14°16'45	6♍40	22°54	9° 9	18° 5	28°24	4°33	22°17	23°39	22°29	5°36	5°56	10° 0	n.a.	S 12
S 13	12 55 28	15°14'21	21°42	23°13	10°21	18°46	28°36	4°41	22°19	23°38	22°29	5°27	5°52	10° 7	n.a.	S 13
M14	12 59 25	16°11'56	6♎48	23°36	11°34	19°26	28°47	4°49	22°22	23°36	22°30	5°17	5°49	10°13	n.a.	M14
T 15	13 3 21	17° 9'29	21°49	24° 4	12°47	20° 6	28°59	4°56	22°24	23°35	22°30	5° 6	5°46	10°20	n.a.	T 15
W16	13 7 18	18° 7'02	6♏34	24°35	13°59	20°46	29°10	5° 4	22°26	23°33	22°31	4°56	5°43	10°27	n.a.	W16
T 17	13 11 14	19° 4'33	20°57	25°11	15°12	21°26	29°22	5°12	22°28	23°32	22°31	4°48	5°40	10°33	n.a.	T 17
F 18	13 15 11	20° 2'03	4♐52	25°51	16°24	22° 6	29°34	5°19	22°31	23°30	22°31	4°43	5°37	10°40	n.a.	F 18
S 19	13 19 8	20°59'31	18°18	26°34	17°37	22°45	29°46	5°27	22°33	23°29	22°32	4°40	5°33	10°47	n.a.	S 19
S 20	13 23 4	21°56'59	1♑18	27°21	18°49	23°25	29°58	5°35	22°35	23°28	22°32	4°D39	5°30	10°54	n.a.	S 20
M21	13 27 1	22°54'27	13°53	28°12	20° 2	24° 5	0♊10	5°43	22°37	23°26	22°32	4°39	5°27	11° 0	n.a.	M21
T 22	13 30 57	23°51'53	26°10	29° 6	21°14	24°44	0°22	5°50	22°39	23°25	22°32	4°R39	5°24	11° 7	n.a.	T 22
W23	13 34 54	24°49'18	8♒13	0♈ 4	22°26	25°23	0°34	5°58	22°41	23°23	22°33	4°38	5°21	11°14	n.a.	W23
T 24	13 38 50	25°46'42	20° 7	1° 4	23°39	26° 3	0°46	6° 6	22°43	23°22	22°33	4°36	5°18	11°20	n.a.	T 24
F 25	13 42 47	26°44'06	1♓57	2° 8	24°51	26°42	0°58	6°14	22°45	23°21	22°33	4°30	5°14	11°27	n.a.	F 25
S 26	13 46 43	27°41'28	13°48	3°16	26° 3	27°21	1°10	6°22	22°47	23°20	22°33	4°23	5°11	11°34	n.a.	S 26
S 27	13 50 40	28°38'50	25°42	4°26	27°15	28° 0	1°23	6°29	22°49	23°18	22°33	4°13	5° 8	11°41	n.a.	S 27
M28	13 54 37	29°36'11	7♈43	5°39	28°27	28°39	1°35	6°37	22°50	23°17	22°33	4° 2	5° 5	11°47	n.a.	M28
T 29	13 58 33	0♉33'31	19°52	6°55	29°39	29°18	1°48	6°45	22°52	23°16	22°33	3°50	5° 2	11°54	n.a.	T 29
W30	14 2 30	1♉30'50	2♉11	8♈14	0♊51	29♎57	2♊ 0	6♉53	22♒54	23♍15	22°R33	3♋39	4♋58	12♓ 1	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n29	0s10	4s59	2s 8	0n 8	10n13	0n 8	24s25	1s 5	19n26	0s11	10n59	1s54	15s 8	0s44	4n15	1n59	32s 8	10s24	23n37	23n37	12s36		n.a.
W 2	1 52	4n40	4 47	2 35	0s 8	10 43	0 11	24 23	1 6	19 29	0 11	11 1	1 53	15 7	0 44	4 16	1 59	32 9	10 25	23 37	23 37	12 34		n.a.
T 3	2 16	9 22	4 22	3 0	0 24	11 12	0 13	24 21	1 8	19 32	0 11	11 4	1 53	15 6	0 44	4 16	1 59	32 9	10 25	23 38	23 37	12 32		n.a.
F 4	2 39	13 46	3 45	3 23	0 40	11 40	0 16	24 19	1 10	19 34	0 11	11 6	1 53	15 5	0 44	4 17	1 59	32 9	10 25	23 38	23 37	12 30		n.a.
S 5	3 2	17 39	2 56	3 44	0 56	12 9	0 19	24 17	1 11	19 37	0 11	11 9	1 53	15 5	0 44	4 18	1 59	32 9	10 26	23 39	23 37	12 28		n.a.
S 6	3 25	20 46	1 57	4 3	1 10	12 37	0 21	24 14	1 13	19 40	0 11	11 12	1 53	15 4	0 44	4 18	1 59	32 9	10 26	23 39	23 38	12 25		n.a.
M 7	3 48	22 53	0 51	4 19	1 24	13 5	0 24	24 11	1 15	19 42	0 10	11 14	1 53	15 3	0 44	4 19	1 59	32 10	10 26	23 39	23 38	12 23		n.a.
T 8	4 11	23 45	0n20	4 33	1 37	13 33	0 27	24 8	1 16	19 45	0 10	11 17	1 53	15 2	0 45	4 19	1 59	32 10	10 27	23 39	23 38	12 21		n.a.
W 9	4 34	23 14	1 31	4 44	1 50	14 0	0 29	24 5	1 18	19 48	0 10	11 20	1 52	15 1	0 45	4 20	1 59	32 10	10 27	23 39	23 38	12 19		n.a.
T 10	4 57	21 14	2 39	4 52	2 1	14 27	0 32	24 2	1 20	19 50	0 10	11 22	1 52	15 0	0 45	4 21	1 59	32 10	10 27	23 39	23 38	12 16		n.a.
F 11	5 20	17 50	3 38	4 58	2 12	14 54	0 35	23 58	1 22	19 53	0 10	11 25	1 52	15 0	0 45	4 21	1 59	32 10	10 28	23 39	23 38	12 14		n.a.
S 12	5 42	13 15	4 24	5 1	2 22	15 20	0 37	23 55	1 24	19 56	0 10	11 28	1 52	14 59	0 45	4 22	1 59	32 11	10 28	23 39	23 39	12 12		n.a.
S 13	6 5	7 48	4 52	5 2	2 31	15 46	0 40	23 51	1 25	19 58	0 10	11 31	1 52	14 58	0 45	4 22	1 59	32 11	10 28	23 40	23 39	12 10		n.a.
M14	6 27	1 51	5 1	5 0	2 39	16 12	0 43	23 47	1 27	20 1	0 9	11 33	1 52	14 57	0 45	4 23	1 59	32 11	10 29	23 40	23 39	12 8		n.a.
T 15	6 50	4s10	4 48	4 55	2 46	16 37	0 45	23 43	1 29	20 4	0 9	11 36	1 52	14 57	0 45	4 24	1 58	32 11	10 29	23 41	23 39	12 5		n.a.
W16	7 12	9 52	4 17	4 48	2 52	17 1	0 48	23 39	1 31	20 6	0 9	11 39	1 52	14 56	0 45	4 24	1 58	32 12	10 29	23 41	23 39	12 3		n.a.
T 17	7 34	14 53	3 29	4 39	2 57	17 26	0 51	23 34	1 33	20 9	0 9	11 41	1 51	14 55	0 45	4 25	1 58	32 12	10 29	23 41	23 39	12 1		n.a.
F 18	7 56	18 56	2 31	4 27	3 2	17 49	0 53	23 30	1 35	20 12	0 9	11 44	1 51	14 55	0 45	4 25	1 58	32 12	10 30	23 41	23 39	11 59		n.a.
S 19	8 18	21 50	1 26	4 13	3 6	18 13	0 56	23 25	1 36	20 14	0 9	11 47	1 51	14 54	0 45	4 26	1 58	32 12	10 30	23 42	23 40	11 56		n.a.
S 20	8 40	23 28	0 18	3 56	3 8	18 36	0 58	23 20	1 38	20 17	0 9	11 49	1 51	14 53	0 45	4 26	1 58	32 13	10 30	23 42	23 40	11 54		n.a.
M21	9 2	23 51	0s49	3 38	3 10	18 58	1 1	23 15	1 40	20 20	0 9	11 52	1 51	14 53	0 45	4 27	1 58	32 13	10 31	23 42	23 40	11 52		n.a.
T 22	9 23	23 2	1 52	3 17	3 12	19 20	1 3	23 9	1 42	20 23	0 8	11 55	1 51	14 52	0 45	4 27	1 58	32 13	10 31	23 42	23 40	11 49		n.a.
W23	9 45	21 10	2 48	2 54	3 12	19 42	1 6	23 4	1 44	20 25	0 8	11 57	1 51	14 51	0 45	4 28	1 58	32 13	10 31	23 42	23 40	11 47		n.a.
T 24	10 6	18 24	3 37	2 30	3 12	20 3	1 8	22 58	1 46	20 28	0 8	12 0	1 51	14 51	0 45	4 28	1 58	32 14	10 32	23 42	23 40	11 45		n.a.
F 25	10 27	14 54	4 16	2 3	3 11	20 23	1 10	22 53	1 48	20 31	0 8	12 3	1 51	14 50	0 45	4 29	1 58	32 14	10 32	23 42	23 40	11 43		n.a.
S 26	10 48	10 48	4 44	1 34	3 9	20 43	1 13	22 47	1 50	20 33	0 8	12 5	1 51	14 49	0 45	4 29	1 58	32 14	10 32	23 42	23 40	11 40		n.a.
S 27	11 9	6 18	4 59	1 4	3 7	21 2	1 15	22 41	1 52	20 36	0 8	12 8	1 51	14 49	0 45	4 30	1 58	32 15	10 33	23 43	23 41	11 38		n.a.
M28	11 29	1 30	5 2	0 32	3 3	21 21	1 17	22 35	1 54	20 39	0 8	12 11	1 50	14 48	0 45	4 30	1 58	32 15	10 33	23 43	23 41	11 36		n.a.
T 29	11 50	3n24	4 51	0n 2	3 0	21 39	1 19	22 29	1 56	20 41	0 8	12 13	1 50	14 48	0 45	4 31	1 58	32 15	10 33	23 43	23 41	11 33		n.a.
W30	12n10	8n14	4s26	0n38	2s55	21n57	1n22	22s22	1s58	20n44	0s 8	12n16	1s50	14s47	0s45	4n31	1n58	32s16	10s34	23n44	23n41	11s31		n.a.

Julian Day Number = 1473143.5, Delta T = 05h29m11s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'41, Lahiri = -13°20'41 Julian Calendar 1 Apr. 680 BCE == Greg. Calendar 25 March 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

MAY 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 6 26	2♉28'09	14♉40	9♈35	2♊ 3	0♒35	2♊13	7♉ 1	22♒56	23°R13	22°R33	3°R30	4♋55	12♓ 7	n.a.	T 1
F 2	14 10 23	3°25'26	27°19	11° 0	3°15	1°13	2°25	7° 9	22°57	23♍12	22♑33	3♋22	4°52	12°14	n.a.	F 2
S 3	14 14 19	4°22'43	10♊10	12°27	4°27	1°52	2°38	7°17	22°59	23°11	22°33	3°17	4°49	12°21	n.a.	S 3
S 4	14 18 16	5°19'59	23°12	13°57	5°39	2°30	2°50	7°25	23° 0	23°10	22°33	3°15	4°46	12°28	n.a.	S 4
M 5	14 22 12	6°17'13	6♋28	15°30	6°51	3° 8	3° 3	7°32	23° 2	23° 9	22°33	3°D15	4°43	12°34	n.a.	M 5
T 6	14 26 9	7°14'27	19°57	17° 5	8° 3	3°46	3°16	7°40	23° 3	23° 8	22°33	3°15	4°39	12°41	n.a.	T 6
W 7	14 30 6	8°11'40	3♌42	18°43	9°15	4°24	3°29	7°48	23° 5	23° 7	22°33	3°R16	4°36	12°48	n.a.	W 7
T 8	14 34 2	9° 8'51	17°43	20°24	10°26	5° 1	3°41	7°56	23° 6	23° 6	22°33	3°16	4°33	12°54	n.a.	T 8
F 9	14 37 59	10° 6'02	1♍59	22° 8	11°38	5°39	3°54	8° 4	23° 7	23° 5	22°32	3°14	4°30	13° 1	n.a.	F 9
S 10	14 41 55	11° 3'12	16°29	23°54	12°49	6°16	4° 7	8°12	23° 9	23° 4	22°32	3°10	4°27	13° 8	n.a.	S 10
S 11	14 45 52	12° 0'21	1♎ 8	25°42	14° 1	6°53	4°20	8°20	23°10	23° 3	22°32	3° 4	4°23	13°15	n.a.	S 11
M12	14 49 48	12°57'29	15°51	27°34	15°12	7°30	4°33	8°28	23°11	23° 2	22°32	2°57	4°20	13°21	n.a.	M12
T 13	14 53 45	13°54'37	0♏30	29°27	16°24	8° 7	4°46	8°36	23°12	23° 1	22°31	2°49	4°17	13°28	n.a.	T 13
W14	14 57 41	14°51'44	14°58	1♉23	17°35	8°44	4°59	8°43	23°13	23° 0	22°31	2°42	4°14	13°35	n.a.	W14
T 15	15 1 38	15°48'50	29° 8	3°22	18°47	9°20	5°12	8°51	23°14	22°59	22°31	2°37	4°11	13°41	n.a.	T 15
F 16	15 5 35	16°45'57	12♐56	5°22	19°58	9°57	5°25	8°59	23°15	22°58	22°30	2°33	4° 8	13°48	n.a.	F 16
S 17	15 9 31	17°43'03	26°19	7°25	21° 9	10°33	5°38	9° 7	23°16	22°58	22°30	2°D32	4° 4	13°55	n.a.	S 17
S 18	15 13 28	18°40'09	9♑19	9°29	22°20	11° 9	5°51	9°15	23°17	22°57	22°29	2°32	4° 1	14° 2	n.a.	S 18
M19	15 17 24	19°37'15	21°56	11°35	23°31	11°45	6° 5	9°23	23°18	22°56	22°29	2°33	3°58	14° 8	n.a.	M19
T 20	15 21 21	20°34'21	4♒16	13°43	24°42	12°21	6°18	9°30	23°19	22°55	22°29	2°34	3°55	14°15	n.a.	T 20
W21	15 25 17	21°31'27	16°21	15°52	25°53	12°56	6°31	9°38	23°20	22°55	22°28	2°R35	3°52	14°22	n.a.	W21
T 22	15 29 14	22°28'32	28°18	18° 1	27° 4	13°31	6°44	9°46	23°20	22°54	22°28	2°35	3°49	14°28	n.a.	T 22
F 23	15 33 11	23°25'38	10♓10	20°12	28°15	14° 6	6°58	9°54	23°21	22°54	22°27	2°34	3°45	14°35	n.a.	F 23
S 24	15 37 7	24°22'44	22° 3	22°22	29°26	14°41	7°11	10° 2	23°22	22°53	22°27	2°31	3°42	14°42	n.a.	S 24
S 25	15 41 4	25°19'51	4♈ 0	24°33	0♋37	15°16	7°24	10° 9	23°22	22°52	22°26	2°26	3°39	14°49	n.a.	S 25
M26	15 45 0	26°16'57	16° 6	26°44	1°47	15°50	7°37	10°17	23°23	22°52	22°25	2°20	3°36	14°55	n.a.	M26
T 27	15 48 57	27°14'03	28°24	28°54	2°58	16°24	7°51	10°25	23°23	22°51	22°25	2°14	3°33	15° 2	n.a.	T 27
W28	15 52 53	28°11'10	10♉54	1♊ 4	4° 8	16°58	8° 4	10°32	23°24	22°51	22°24	2° 8	3°29	15° 9	n.a.	W28
T 29	15 56 50	29° 8'17	23°38	3°12	5°19	17°32	8°17	10°40	23°24	22°50	22°23	2° 3	3°26	15°15	n.a.	T 29
F 30	16 0 46	0♊ 5'24	6♊36	5°20	6°29	18° 5	8°31	10°48	23°25	22°50	22°23	2° 0	3°23	15°22	n.a.	F 30
S 31	16 4 43	1♊ 2'31	19♊47	7♊26	7♋40	18♒39	8♊44	10♉55	23♒25	22♍50	22♑22	1♋58	3♋20	15♓29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	12n30	12n49	3s49	1n15	2s50	22n14	1n24	22s16	2s 0	20n47	0s 7	12n19	1s50	14s47	0s45	4n32	1n58	32s16	10s34	23n44	23n41	11s29			n.a.
F 2	12 50	16 56	2 59	1 54	2 45	22 30	1 26	22 9	2 2	20 49	0 7	12 21	1 50	14 46	0 45	4 32	1 58	32 16	10 34	23 44	23 41	11 27			n.a.
S 3	13 10	20 18	2 0	2 34	2 38	22 46	1 28	22 2	2 4	20 52	0 7	12 24	1 50	14 46	0 45	4 33	1 58	32 17	10 35	23 44	23 41	11 24			n.a.
S 4	13 29	22 43	0 53	3 15	2 32	23 1	1 30	21 56	2 6	20 54	0 7	12 27	1 50	14 45	0 45	4 33	1 58	32 17	10 35	23 44	23 41	11 22			n.a.
M 5	13 48	23 54	0n17	3 58	2 24	23 16	1 32	21 49	2 8	20 57	0 7	12 29	1 50	14 45	0 45	4 33	1 58	32 17	10 35	23 44	23 42	11 20			n.a.
T 6	14 7	23 44	1 28	4 42	2 16	23 30	1 34	21 42	2 11	21 0	0 7	12 32	1 50	14 44	0 45	4 34	1 58	32 18	10 36	23 44	23 42	11 17			n.a.
W 7	14 26	22 7	2 36	5 28	2 8	23 43	1 35	21 35	2 13	21 2	0 7	12 35	1 50	14 44	0 45	4 34	1 58	32 18	10 36	23 44	23 42	11 15			n.a.
T 8	14 45	19 9	3 35	6 14	1 59	23 56	1 37	21 27	2 15	21 5	0 7	12 37	1 50	14 43	0 46	4 35	1 58	32 18	10 36	23 44	23 42	11 13			n.a.
F 9	15 3	14 59	4 22	7 2	1 50	24 8	1 39	21 20	2 17	21 7	0 6	12 40	1 50	14 43	0 46	4 35	1 58	32 19	10 37	23 44	23 42	11 10			n.a.
S 10	15 21	9 54	4 54	7 51	1 41	24 19	1 40	21 13	2 19	21 10	0 6	12 43	1 50	14 43	0 46	4 35	1 58	32 19	10 37	23 44	23 42	11 8			n.a.
S 11	15 39	4 13	5 6	8 40	1 31	24 30	1 42	21 5	2 21	21 12	0 6	12 45	1 50	14 42	0 46	4 36	1 58	32 19	10 37	23 44	23 42	11 6			n.a.
M12	15 57	1s44	4 59	9 30	1 20	24 39	1 44	20 58	2 23	21 15	0 6	12 48	1 50	14 42	0 46	4 36	1 58	32 20	10 37	23 45	23 42	11 3			n.a.
T 13	16 14	7 34	4 32	10 21	1 10	24 49	1 45	20 50	2 26	21 17	0 6	12 50	1 50	14 42	0 46	4 36	1 57	32 20	10 38	23 45	23 42	11 1			n.a.
W14	16 31	12 56	3 48	11 12	0 59	24 57	1 46	20 42	2 28	21 20	0 6	12 53	1 49	14 41	0 46	4 37	1 57	32 20	10 38	23 45	23 42	10 59			n.a.
T 15	16 48	17 29	2 50	12 3	0 48	25 5	1 48	20 35	2 30	21 22	0 6	12 55	1 49	14 41	0 46	4 37	1 57	32 21	10 38	23 45	23 43	10 56			n.a.
F 16	17 5	20 57	1 44	12 55	0 37	25 12	1 49	20 27	2 32	21 25	0 6	12 58	1 49	14 41	0 46	4 37	1 57	32 21	10 39	23 45	23 43	10 54			n.a.
S 17	17 21	23 10	0 34	13 46	0 26	25 18	1 50	20 19	2 35	21 27	0 6	13 1	1 49	14 40	0 46	4 37	1 57	32 21	10 39	23 45	23 43	10 52			n.a.
S 18	17 37	24 3	0s37	14 37	0 15	25 24	1 51	20 11	2 37	21 30	0 5	13 3	1 49	14 40	0 46	4 38	1 57	32 22	10 39	23 45	23 43	10 49			n.a.
M19	17 53	23 39	1 43	15 28	0 4	25 29	1 52	20 3	2 39	21 32	0 5	13 6	1 49	14 40	0 46	4 38	1 57	32 22	10 40	23 45	23 43	10 47			n.a.
T 20	18 9	22 6	2 43	16 17	0n 7	25 33	1 53	19 55	2 41	21 35	0 5	13 8	1 49	14 40	0 46	4 38	1 57	32 23	10 40	23 45	23 43	10 44			n.a.
W21	18 24	19 34	3 35	17 6	0 17	25 37	1 54	19 47	2 44	21 37	0 5	13 11	1 49	14 39	0 46	4 38	1 57	32 23	10 40	23 45	23 43	10 42			n.a.
T 22	18 39	16 14	4 17	17 53	0 28	25 39	1 55	19 39	2 46	21 39	0 5	13 13	1 49	14 39	0 46	4 39	1 57	32 23	10 41	23 45	23 43	10 40			n.a.
F 23	18 54	12 17	4 47	18 39	0 38	25 41	1 55	19 30	2 48	21 42	0 5	13 16	1 49	14 39	0 46	4 39	1 57	32 24	10 41	23 45	23 43	10 37			n.a.
S 24	19 8	7 51	5 5	19 23	0 47	25 43	1 56	19 22	2 51	21 44	0 5	13 18	1 49	14 39	0 46	4 39	1 57	32 24	10 41	23 45	23 43	10 35			n.a.
S 25	19 22	3 7	5 10	20 5	0 56	25 43	1 57	19 14	2 53	21 47	0 5	13 21	1 49	14 39	0 46	4 39	1 57	32 24	10 41	23 45	23 44	10 33			n.a.
M26	19 36	1n48	5 1	20 45	1 5	25 43	1 57	19 6	2 55	21 49	0 5	13 23	1 49	14 39	0 46	4 39	1 57	32 25	10 42	23 45	23 44	10 30			n.a.
T 27	19 49	6 43	4 39	21 23	1 13	25 42	1 57	18 57	2 58	21 51	0 4	13 25	1 49	14 38	0 46	4 39	1 57	32 25	10 42	23 45	23 44	10 28			n.a.
W28	20 2	11 28	4 3	21 58	1 20	25 40	1 58	18 49	3 0	21 53	0 4	13 28	1 49	14 38	0 46	4 40	1 57	32 26	10 42	23 46	23 44	10 25			n.a.
T 29	20 15	15 49	3 14	22 31	1 27	25 38	1 58	18 41	3 2	21 56	0 4	13 30	1 49	14 38	0 46	4 40	1 57	32 26	10 43	23 46	23 44	10 23			n.a.
F 30	20 27	19 31	2 14	23 1	1 33	25 35	1 58	18 33	3 5	21 58	0 4	13 33	1 49	14 38	0 46	4 40	1 57	32 26	10 43	23 46	23 44	10 21			n.a.
S 31	20n39	22n17	1s 6	23n28	1n38	25n31	1n58	18s24	3s 7	22n 0	0s 4	13n35	1s49	14s38	0s46	4n40	1n57	32s27	10s43	23n46	23n44	10s18			n.a.

Julian Day Number = 1473173.5, Delta T = 05h29m10s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'37, Lahiri = -13°20'37 Julian Calendar 1 May 680 BCE == Greg. Calendar 24 Apr. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

JUNE 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 8 40	1♊59'38	3♋12	9♊31	8♋50	19♒11	8♊58	11♉ 3	23♒25	22°R49	22°R21	1°D57	3♋17	15♓36	n.a.	S 1
M 2	16 12 36	2°56'45	16°48	11°34	10° 0	19°44	9°11	11°10	23°25	22♍49	22♑21	1♋58	3°14	15°42	n.a.	M 2
T 3	16 16 33	3°53'52	0♌35	13°36	11°11	20°16	9°24	11°18	23°25	22°49	22°20	1°59	3°10	15°49	n.a.	T 3
W 4	16 20 29	4°50'59	14°32	15°36	12°21	20°48	9°38	11°25	23°25	22°48	22°19	2° 1	3° 7	15°56	n.a.	W 4
T 5	16 24 26	5°48'06	28°37	17°34	13°31	21°20	9°51	11°33	23°R26	22°48	22°18	2° 2	3° 4	16° 2	n.a.	T 5
F 6	16 28 22	6°45'13	12♍50	19°31	14°41	21°51	10° 5	11°40	23°26	22°48	22°17	2°R 2	3° 1	16° 9	n.a.	F 6
S 7	16 32 19	7°42'20	27° 7	21°25	15°51	22°23	10°18	11°48	23°25	22°48	22°17	2° 0	2°58	16°16	n.a.	S 7
S 8	16 36 15	8°39'27	11♎26	23°18	17° 0	22°53	10°32	11°55	23°25	22°48	22°16	1°58	2°55	16°23	n.a.	S 8
M 9	16 40 12	9°36'34	25°43	25° 9	18°10	23°24	10°45	12° 2	23°25	22°48	22°15	1°56	2°51	16°29	n.a.	M 9
T 10	16 44 9	10°33'42	9♏54	26°58	19°20	23°54	10°58	12°10	23°25	22°48	22°14	1°53	2°48	16°36	n.a.	T 10
W11	16 48 5	11°30'50	23°56	28°45	20°29	24°24	11°12	12°17	23°25	22°D48	22°13	1°50	2°45	16°43	n.a.	W11
T 12	16 52 2	12°27'58	7♐43	0♋30	21°39	24°53	11°25	12°24	23°24	22°48	22°12	1°48	2°42	16°49	n.a.	T 12
F 13	16 55 58	13°25'07	21°13	2°14	22°48	25°22	11°39	12°31	23°24	22°48	22°11	1°47	2°39	16°56	n.a.	F 13
S 14	16 59 55	14°22'16	4♑25	3°55	23°57	25°51	11°52	12°38	23°24	22°48	22°10	1°D47	2°35	17° 3	n.a.	S 14
S 15	17 3 51	15°19'26	17°17	5°35	25° 6	26°20	12° 6	12°45	23°23	22°48	22° 9	1°47	2°32	17°10	n.a.	S 15
M16	17 7 48	16°16'37	29°51	7°13	26°15	26°48	12°19	12°53	23°23	22°48	22° 8	1°48	2°29	17°16	n.a.	M16
T 17	17 11 45	17°13'49	12♒10	8°48	27°24	27°15	12°32	13° 0	23°22	22°48	22° 7	1°50	2°26	17°23	n.a.	T 17
W18	17 15 41	18°11'02	24°16	10°22	28°33	27°43	12°46	13° 7	23°22	22°48	22° 6	1°51	2°23	17°30	n.a.	W18
T 19	17 19 38	19° 8'15	6♓14	11°55	29°42	28° 9	12°59	13°13	23°21	22°48	22° 5	1°52	2°20	17°37	n.a.	T 19
F 20	17 23 34	20° 5'30	18° 7	13°25	0♌51	28°36	13°13	13°20	23°20	22°49	22° 4	1°R52	2°16	17°43	n.a.	F 20
S 21	17 27 31	21° 2'46	0♈ 1	14°53	1°59	29° 2	13°26	13°27	23°20	22°49	22° 3	1°52	2°13	17°50	n.a.	S 21
S 22	17 31 27	22° 0'02	12° 0	16°19	3° 8	29°27	13°39	13°34	23°19	22°49	22° 2	1°51	2°10	17°57	n.a.	S 22
M23	17 35 24	22°57'20	24° 9	17°44	4°16	29°52	13°53	13°41	23°18	22°50	22° 1	1°50	2° 7	18° 3	n.a.	M23
T 24	17 39 20	23°54'39	6♉30	19° 6	5°24	0♓17	14° 6	13°47	23°17	22°50	22° 0	1°49	2° 4	18°10	n.a.	T 24
W25	17 43 17	24°51'59	19° 8	20°27	6°33	0°41	14°19	13°54	23°16	22°50	21°58	1°48	2° 1	18°17	n.a.	W25
T 26	17 47 14	25°49'21	2♊ 4	21°45	7°41	1° 5	14°33	14° 1	23°15	22°51	21°57	1°48	1°57	18°24	n.a.	T 26
F 27	17 51 10	26°46'43	15°18	23° 1	8°49	1°28	14°46	14° 7	23°15	22°51	21°56	1°47	1°54	18°30	n.a.	F 27
S 28	17 55 7	27°44'07	28°51	24°15	9°56	1°50	14°59	14°14	23°13	22°52	21°55	1°D47	1°51	18°37	n.a.	S 28
S 29	17 59 3	28°41'31	12♋41	25°27	11° 4	2°12	15°13	14°20	23°12	22°52	21°54	1°47	1°48	18°44	n.a.	S 29
M30	18 3 0	29♊38'57	26♋44	26♋37	12♌12	2♓34	15♊26	14♉27	23♒11	22♍53	21♑53	1♋47	1♋45	18♓50	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n51	23n51	0n 7	23n53	1n43	25n26	1n58	18s16	3s 9	22n 2	0s 4	13n37	1s49	14s38	0s46	4n40	1n56	32s27	10s43	23n46	23n44	10s16		n.a.
M 2	21 3	24 2	1 20	24 15	1 47	25 21	1 58	18 8	3 12	22 5	0 4	13 40	1 49	14 38	0 47	4 40	1 56	32 28	10 44	23 46	23 44	10 13		n.a.
T 3	21 14	22 45	2 30	24 34	1 50	25 15	1 58	18 0	3 14	22 7	0 4	13 42	1 49	14 38	0 47	4 40	1 56	32 28	10 44	23 46	23 44	10 11		n.a.
W 4	21 24	20 5	3 32	24 51	1 52	25 8	1 57	17 52	3 17	22 9	0 4	13 44	1 49	14 38	0 47	4 40	1 56	32 28	10 44	23 46	23 44	10 9		n.a.
T 5	21 35	16 12	4 22	25 5	1 54	25 1	1 57	17 44	3 19	22 11	0 4	13 47	1 49	14 38	0 47	4 40	1 56	32 29	10 44	23 46	23 44	10 6		n.a.
F 6	21 45	11 23	4 57	25 16	1 55	24 53	1 56	17 36	3 22	22 13	0 3	13 49	1 49	14 38	0 47	4 40	1 56	32 29	10 45	23 46	23 45	10 4		n.a.
S 7	21 54	5 56	5 13	25 25	1 56	24 44	1 56	17 27	3 24	22 15	0 3	13 51	1 49	14 38	0 47	4 40	1 56	32 30	10 45	23 46	23 45	10 1		n.a.
S 8	22 3	0 9	5 10	25 32	1 56	24 35	1 55	17 19	3 27	22 17	0 3	13 54	1 49	14 38	0 47	4 40	1 56	32 30	10 45	23 46	23 45	9 59		n.a.
M 9	22 12	5s37	4 47	25 36	1 55	24 25	1 54	17 12	3 29	22 19	0 3	13 56	1 49	14 38	0 47	4 40	1 56	32 30	10 45	23 46	23 45	9 56		n.a.
T 10	22 21	11 5	4 8	25 38	1 54	24 14	1 53	17 4	3 32	22 21	0 3	13 58	1 49	14 38	0 47	4 40	1 56	32 31	10 46	23 46	23 45	9 54		n.a.
W11	22 29	15 54	3 13	25 38	1 52	24 2	1 52	16 56	3 34	22 23	0 3	14 0	1 49	14 38	0 47	4 40	1 56	32 31	10 46	23 46	23 45	9 52		n.a.
T 12	22 37	19 47	2 9	25 36	1 49	23 50	1 51	16 48	3 37	22 25	0 3	14 2	1 49	14 39	0 47	4 40	1 56	32 32	10 46	23 46	23 45	9 49		n.a.
F 13	22 44	22 31	0 58	25 32	1 46	23 37	1 50	16 40	3 39	22 27	0 3	14 5	1 49	14 39	0 47	4 40	1 56	32 32	10 46	23 46	23 45	9 47		n.a.
S 14	22 51	23 57	0s15	25 26	1 43	23 24	1 49	16 33	3 42	22 29	0 3	14 7	1 49	14 39	0 47	4 40	1 56	32 32	10 47	23 46	23 45	9 44		n.a.
S 15	22 57	24 2	1 25	25 18	1 38	23 10	1 47	16 25	3 44	22 31	0 2	14 9	1 50	14 39	0 47	4 40	1 56	32 33	10 47	23 46	23 45	9 42		n.a.
M16	23 3	22 53	2 29	25 8	1 34	22 55	1 46	16 18	3 47	22 33	0 2	14 11	1 50	14 39	0 47	4 40	1 56	32 33	10 47	23 46	23 45	9 39		n.a.
T 17	23 9	20 40	3 25	24 57	1 29	22 40	1 44	16 11	3 49	22 35	0 2	14 13	1 50	14 40	0 47	4 40	1 56	32 34	10 47	23 46	23 45	9 37		n.a.
W18	23 15	17 33	4 11	24 45	1 23	22 24	1 42	16 3	3 52	22 37	0 2	14 15	1 50	14 40	0 47	4 39	1 55	32 34	10 47	23 46	23 45	9 34		n.a.
T 19	23 20	13 45	4 45	24 31	1 17	22 8	1 40	15 56	3 54	22 39	0 2	14 17	1 50	14 40	0 47	4 39	1 55	32 34	10 48	23 46	23 45	9 32		n.a.
F 20	23 24	9 28	5 7	24 15	1 10	21 51	1 38	15 49	3 57	22 40	0 2	14 19	1 50	14 40	0 47	4 39	1 55	32 35	10 48	23 46	23 45	9 29		n.a.
S 21	23 28	4 49	5 16	23 59	1 4	21 34	1 36	15 42	4 0	22 42	0 2	14 21	1 50	14 41	0 47	4 39	1 55	32 35	10 48	23 46	23 45	9 27		n.a.
S 22	23 32	0n 3	5 11	23 42	0 56	21 16	1 34	15 36	4 2	22 44	0 2	14 23	1 50	14 41	0 47	4 39	1 55	32 36	10 48	23 46	23 46	9 24		n.a.
M23	23 35	4 58	4 53	23 23	0 49	20 57	1 32	15 29	4 5	22 46	0 2	14 25	1 50	14 41	0 47	4 39	1 55	32 36	10 48	23 46	23 46	9 22		n.a.
T 24	23 38	9 47	4 20	23 4	0 40	20 38	1 30	15 22	4 7	22 47	0 2	14 27	1 50	14 41	0 47	4 38	1 55	32 36	10 49	23 46	23 46	9 20		n.a.
W25	23 41	14 19	3 35	22 43	0 32	20 18	1 27	15 16	4 10	22 49	0 1	14 29	1 50	14 42	0 47	4 38	1 55	32 37	10 49	23 46	23 46	9 17		n.a.
T 26	23 43	18 18	2 37	22 22	0 23	19 58	1 25	15 10	4 12	22 51	0 1	14 31	1 50	14 42	0 47	4 38	1 55	32 37	10 49	23 46	23 46	9 15		n.a.
F 27	23 44	21 28	1 30	22 1	0 14	19 38	1 22	15 4	4 15	22 52	0 1	14 33	1 50	14 42	0 47	4 38	1 55	32 37	10 49	23 46	23 46	9 12		n.a.
S 28	23 45	23 30	0 16	21 39	0 5	19 17	1 19	14 58	4 18	22 54	0 1	14 35	1 50	14 43	0 48	4 37	1 55	32 38	10 49	23 46	23 46	9 10		n.a.
S 29	23 46	24 10	1n 0	21 16	0s 5	18 55	1 16	14 52	4 20	22 56	0 1	14 37	1 50	14 43	0 48	4 37	1 55	32 38	10 50	23 46	23 46	9 7		n.a.
M30	23n47	23n18	2n14	20n53	0s15	18n33	1n13	14s47	4s23	22n57	0s 1	14n39	1s50	14s44	0s48	4n37	1n55	32s39	10s50	23n46	23n46	9s 5		n.a.

Julian Day Number = 1473204.5, Delta T = 05h29m08s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'33, Lahiri = -13°20'33 Julian Calendar 1 June 680 BCE == Greg. Calendar 25 May 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

JULY 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 6 56	0♋36'24	10♌57	27♋44	13♌19	2♓55	15♊39	14♉33	23°R10	22♍54	21°R51	1♋47	1♋41	18♓57	n.a.	T 1
W 2	18 10 53	1°33'51	25°15	28°48	14°26	3°15	15°52	14°39	23♒ 9	22°54	21♑50	1°R47	1°38	19° 4	n.a.	W 2
T 3	18 14 49	2°31'19	9♍36	29°50	15°34	3°35	16° 5	14°45	23° 8	22°55	21°49	1°47	1°35	19°11	n.a.	T 3
F 4	18 18 46	3°28'49	23°54	0♌50	16°41	3°54	16°18	14°51	23° 6	22°56	21°48	1°47	1°32	19°17	n.a.	F 4
S 5	18 22 43	4°26'19	8♎ 8	1°46	17°48	4°13	16°31	14°58	23° 5	22°56	21°47	1°D47	1°29	19°24	n.a.	S 5
S 6	18 26 39	5°23'50	22°14	2°40	18°54	4°31	16°45	15° 4	23° 4	22°57	21°45	1°47	1°26	19°31	n.a.	S 6
M 7	18 30 36	6°21'22	6♏11	3°30	20° 1	4°48	16°58	15° 9	23° 2	22°58	21°44	1°48	1°22	19°38	n.a.	M 7
T 8	18 34 32	7°18'55	19°58	4°17	21° 7	5° 5	17°11	15°15	23° 1	22°59	21°43	1°48	1°19	19°44	n.a.	T 8
W 9	18 38 29	8°16'29	3♐32	5° 1	22°14	5°21	17°23	15°21	22°59	23° 0	21°42	1°49	1°16	19°51	n.a.	W 9
T 10	18 42 25	9°14'05	16°53	5°41	23°20	5°37	17°36	15°27	22°58	23° 1	21°40	1°49	1°13	19°58	n.a.	T 10
F 11	18 46 22	10°11'42	0♑ 0	6°17	24°26	5°51	17°49	15°33	22°56	23° 1	21°39	1°R49	1°10	20° 4	n.a.	F 11
S 12	18 50 18	11° 9'20	12°54	6°49	25°31	6° 5	18° 2	15°38	22°55	23° 2	21°38	1°49	1° 7	20°11	n.a.	S 12
S 13	18 54 15	12° 7'00	25°33	7°17	26°37	6°19	18°15	15°44	22°53	23° 3	21°36	1°49	1° 3	20°18	n.a.	S 13
M14	18 58 12	13° 4'41	7♒58	7°40	27°42	6°32	18°28	15°49	22°52	23° 4	21°35	1°47	1° 0	20°25	n.a.	M14
T 15	19 2 8	14° 2'23	20°12	7°59	28°48	6°44	18°41	15°55	22°50	23° 5	21°34	1°46	0°57	20°31	n.a.	T 15
W16	19 6 5	15° 0'08	2♓16	8°12	29°53	6°55	18°53	16° 0	22°48	23° 6	21°33	1°44	0°54	20°38	n.a.	W16
T 17	19 10 1	15°57'54	14°13	8°21	0♍58	7° 5	19° 6	16° 5	22°46	23° 8	21°31	1°42	0°51	20°45	n.a.	T 17
F 18	19 13 58	16°55'42	26° 6	8°R24	2° 2	7°15	19°18	16°10	22°45	23° 9	21°30	1°40	0°47	20°51	n.a.	F 18
S 19	19 17 54	17°53'31	7♈59	8°22	3° 7	7°24	19°31	16°15	22°43	23°10	21°29	1°39	0°44	20°58	n.a.	S 19
S 20	19 21 51	18°51'23	19°57	8°13	4°11	7°32	19°44	16°21	22°41	23°11	21°27	1°D39	0°41	21° 5	n.a.	S 20
M21	19 25 47	19°49'16	2♉ 4	7°59	5°15	7°39	19°56	16°25	22°39	23°12	21°26	1°40	0°38	21°12	n.a.	M21
T 22	19 29 44	20°47'12	14°25	7°39	6°19	7°46	20° 8	16°30	22°37	23°13	21°25	1°41	0°35	21°18	n.a.	T 22
W23	19 33 41	21°45'09	27° 4	7°13	7°22	7°52	20°21	16°35	22°35	23°15	21°23	1°42	0°32	21°25	n.a.	W23
T 24	19 37 37	22°43'09	10♊ 4	6°42	8°26	7°56	20°33	16°40	22°33	23°16	21°22	1°44	0°28	21°32	n.a.	T 24
F 25	19 41 34	23°41'10	23°28	6° 4	9°29	8° 0	20°45	16°44	22°31	23°17	21°21	1°44	0°25	21°39	n.a.	F 25
S 26	19 45 30	24°39'13	7♋16	5°22	10°32	8° 3	20°58	16°49	22°29	23°19	21°20	1°R45	0°22	21°45	n.a.	S 26
S 27	19 49 27	25°37'18	21°26	4°35	11°34	8° 6	21°10	16°53	22°27	23°20	21°18	1°44	0°19	21°52	n.a.	S 27
M28	19 53 23	26°35'25	5♌54	3°44	12°36	8° 7	21°22	16°58	22°25	23°21	21°17	1°41	0°16	21°59	n.a.	M28
T 29	19 57 20	27°33'34	20°35	2°49	13°39	8°R 7	21°34	17° 2	22°23	23°23	21°16	1°38	0°13	22° 5	n.a.	T 29
W30	20 1 16	28°31'44	5♍20	1°53	14°40	8° 7	21°46	17° 6	22°21	23°24	21°14	1°34	0° 9	22°12	n.a.	W30
T 31	20 5 13	29♋29'56	20♍ 4	0♌55	15♍42	8♓ 6	21♊58	17♉10	22♒19	23♍26	21♑13	1♋31	0♋ 6	22♓19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n47	20n56	3n20	20n30	0s25	18n11	1n10	14s42	4s25	22n59	0s 1	14n40	1s50	14s44	0s48	4n37	1n55	32s39	10s50	23n46	23n46	9s 2		n.a.	
W 2	23 46	17 16	4 15	20 6	0 36	17 48	1 7	14 36	4 28	23 0	0 1	14 42	1 51	14 44	0 48	4 36	1 55	32 39	10 50	23 46	23 46	9 0		n.a.	
T 3	23 45	12 36	4 53	19 43	0 47	17 25	1 4	14 31	4 31	23 2	0 1	14 44	1 51	14 45	0 48	4 36	1 55	32 40	10 50	23 46	23 46	8 57		n.a.	
F 4	23 44	7 15	5 14	19 19	0 58	17 1	1 1	14 27	4 33	23 3	0 0	14 46	1 51	14 45	0 48	4 36	1 55	32 40	10 50	23 46	23 46	8 55		n.a.	
S 5	23 42	1 33	5 15	18 56	1 9	16 37	0 57	14 22	4 36	23 5	0 0	14 47	1 51	14 46	0 48	4 35	1 54	32 40	10 50	23 46	23 46	8 52		n.a.	
S 6	23 40	4s11	4 57	18 32	1 20	16 13	0 53	14 18	4 38	23 6	0 0	14 49	1 51	14 46	0 48	4 35	1 54	32 41	10 51	23 46	23 46	8 50		n.a.	
M 7	23 37	9 40	4 22	18 10	1 32	15 48	0 50	14 14	4 41	23 7	0 0	14 51	1 51	14 47	0 48	4 35	1 54	32 41	10 51	23 46	23 46	8 47		n.a.	
T 8	23 34	14 35	3 32	17 47	1 43	15 23	0 46	14 10	4 43	23 9	0 0	14 52	1 51	14 47	0 48	4 34	1 54	32 41	10 51	23 46	23 46	8 44		n.a.	
W 9	23 31	18 42	2 30	17 25	1 55	14 58	0 42	14 6	4 46	23 10	0n 0	14 54	1 51	14 48	0 48	4 34	1 54	32 42	10 51	23 46	23 46	8 42		n.a.	
T 10	23 27	21 46	1 22	17 4	2 7	14 32	0 38	14 2	4 48	23 12	0 0	14 56	1 51	14 48	0 48	4 33	1 54	32 42	10 51	23 46	23 46	8 39		n.a.	
F 11	23 23	23 37	0 10	16 44	2 19	14 6	0 34	13 59	4 51	23 13	0 0	14 57	1 51	14 49	0 48	4 33	1 54	32 42	10 51	23 46	23 46	8 37		n.a.	
S 12	23 18	24 9	1s 1	16 24	2 30	13 40	0 30	13 56	4 53	23 14	0 0	14 59	1 51	14 50	0 48	4 33	1 54	32 43	10 51	23 46	23 46	8 34		n.a.	
S 13	23 13	23 25	2 8	16 6	2 42	13 13	0 26	13 53	4 56	23 15	0 0	15 0	1 51	14 50	0 48	4 32	1 54	32 43	10 51	23 46	23 46	8 32		n.a.	
M14	23 7	21 32	3 7	15 49	2 54	12 46	0 21	13 51	4 58	23 17	0 1	15 2	1 52	14 51	0 48	4 32	1 54	32 43	10 51	23 46	23 46	8 29		n.a.	
T 15	23 1	18 41	3 57	15 33	3 5	12 19	0 17	13 48	5 1	23 18	0 1	15 3	1 52	14 51	0 48	4 31	1 54	32 44	10 52	23 46	23 46	8 27		n.a.	
W16	22 55	15 5	4 35	15 19	3 16	11 52	0 12	13 46	5 3	23 19	0 1	15 5	1 52	14 52	0 48	4 31	1 54	32 44	10 52	23 46	23 46	8 24		n.a.	
T 17	22 48	10 55	5 1	15 6	3 27	11 24	0 8	13 45	5 6	23 20	0 1	15 6	1 52	14 52	0 48	4 30	1 54	32 44	10 52	23 46	23 46	8 22		n.a.	
F 18	22 41	6 22	5 14	14 56	3 37	10 56	0 3	13 43	5 8	23 21	0 1	15 7	1 52	14 53	0 48	4 30	1 54	32 45	10 52	23 46	23 46	8 19		n.a.	
S 19	22 34	1 35	5 14	14 47	3 47	10 28	0s 2	13 42	5 10	23 22	0 1	15 9	1 52	14 54	0 48	4 29	1 54	32 45	10 52	23 46	23 46	8 17		n.a.	
S 20	22 26	3n17	5 0	14 41	3 55	10 0	0 7	13 41	5 13	23 24	0 1	15 10	1 52	14 54	0 48	4 29	1 54	32 45	10 52	23 46	23 47	8 14		n.a.	
M21	22 17	8 6	4 32	14 36	4 4	9 32	0 12	13 40	5 15	23 25	0 1	15 11	1 52	14 55	0 48	4 28	1 54	32 45	10 52	23 46	23 47	8 11		n.a.	
T 22	22 9	12 42	3 52	14 35	4 11	9 3	0 17	13 40	5 17	23 26	0 1	15 13	1 52	14 56	0 48	4 28	1 54	32 46	10 52	23 46	23 47	8 9		n.a.	
W23	21 59	16 52	3 0	14 35	4 17	8 35	0 22	13 39	5 19	23 27	0 2	15 14	1 53	14 56	0 48	4 27	1 53	32 46	10 52	23 46	23 47	8 6		n.a.	
T 24	21 50	20 21	1 57	14 38	4 22	8 6	0 28	13 40	5 21	23 28	0 2	15 15	1 53	14 57	0 48	4 26	1 53	32 46	10 52	23 46	23 47	8 4		n.a.	
F 25	21 40	22 51	0 45	14 44	4 25	7 37	0 33	13 40	5 23	23 29	0 2	15 16	1 53	14 58	0 48	4 26	1 53	32 47	10 52	23 46	23 47	8 1		n.a.	
S 26	21 30	24 5	0n30	14 53	4 27	7 8	0 38	13 41	5 25	23 30	0 2	15 18	1 53	14 58	0 48	4 25	1 53	32 47	10 52	23 46	23 47	7 59		n.a.	
S 27	21 19	23 47	1 46	15 4	4 27	6 39	0 44	13 41	5 27	23 31	0 2	15 19	1 53	14 59	0 48	4 25	1 53	32 47	10 52	23 46	23 47	7 56		n.a.	
M28	21 8	21 55	2 57	15 18	4 25	6 10	0 50	13 43	5 29	23 32	0 2	15 20	1 53	15 0	0 48	4 24	1 53	32 47	10 52	23 46	23 47	7 53		n.a.	
T 29	20 57	18 34	3 56	15 33	4 22	5 40	0 55	13 44	5 31	23 32	0 2	15 21	1 53	15 0	0 48	4 23	1 53	32 48	10 52	23 46	23 47	7 51		n.a.	
W30	20 45	14 1	4 41	15 52	4 16	5 11	1 1	13 46	5 32	23 33	0 2	15 22	1 53	15 1	0 48	4 23	1 53	32 48	10 52	23 46	23 47	7 48		n.a.	
T 31	20n33	8n40	5n 7	16n11	4s 9	4n41	1s 7	13s48	5s34	23n34	0n 2	15n23	1s54	15s 2	0s48	4n22	1n53	32s48	10s52	23n46	23n47	7s46		n.a.	

Julian Day Number = 1473234.5, Delta T = 05h29m07s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'29, Lahiri = -13°20'28 Julian Calendar 1 July 680 BCE == Greg. Calendar 24 June 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

AUGUST 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 9 10	0♌28'10	4♎39	29°R57	16♍43	8°R 4	22♊10	17♉14	22°R16	23♍27	21°R12	1°R28	0♋ 3	22♓26	n.a.	F 1
S 2	20 13 6	1°26'25	19° 0	29♋ 1	17°44	8♓ 1	22°22	17°18	22♒14	23°29	21♂10	1♋26	29♊59	22°32	n.a.	S 2
S 3	20 17 3	2°24'41	3♏ 4	28° 7	18°44	7°57	22°33	17°22	22°12	23°30	21° 9	1°D25	29°57	22°39	n.a.	S 3
M 4	20 20 59	3°23'00	16°51	27°17	19°45	7°52	22°45	17°26	22°10	23°32	21° 8	1°26	29°53	22°46	n.a.	M 4
T 5	20 24 56	4°21'20	0♐20	26°32	20°45	7°47	22°56	17°30	22° 7	23°34	21° 7	1°27	29°50	22°52	n.a.	T 5
W 6	20 28 52	5°19'42	13°33	25°54	21°44	7°40	23° 8	17°33	22° 5	23°35	21° 5	1°29	29°47	22°59	n.a.	W 6
T 7	20 32 49	6°18'05	26°32	25°22	22°43	7°33	23°19	17°37	22° 3	23°37	21° 4	1°R30	29°44	23° 6	n.a.	T 7
F 8	20 36 45	7°16'30	9♑17	24°59	23°42	7°25	23°31	17°40	22° 1	23°38	21° 3	1°30	29°41	23°13	n.a.	F 8
S 9	20 40 42	8°14'58	21°51	24°44	24°40	7°16	23°42	17°43	21°58	23°40	21° 2	1°28	29°38	23°19	n.a.	S 9
S 10	20 44 39	9°13'27	4♒15	24°D37	25°38	7° 6	23°53	17°46	21°56	23°42	21° 0	1°24	29°34	23°26	n.a.	S 10
M11	20 48 35	10°11'58	16°29	24°41	26°36	6°56	24° 4	17°49	21°54	23°44	20°59	1°19	29°31	23°33	n.a.	M11
T 12	20 52 32	11°10'31	28°36	24°53	27°33	6°45	24°15	17°52	21°51	23°45	20°58	1°12	29°28	23°40	n.a.	T 12
W13	20 56 28	12° 9'06	10♓35	25°15	28°30	6°33	24°26	17°55	21°49	23°47	20°57	1° 4	29°25	23°46	n.a.	W13
T 14	21 0 25	13° 7'43	22°30	25°46	29°26	6°20	24°37	17°58	21°47	23°49	20°56	0°57	29°22	23°53	n.a.	T 14
F 15	21 4 21	14° 6'23	4♈21	26°26	0♎21	6° 7	24°48	18° 1	21°44	23°51	20°54	0°50	29°18	24° 0	n.a.	F 15
S 16	21 8 18	15° 5'05	16°13	27°14	1°17	5°53	24°59	18° 3	21°42	23°53	20°53	0°44	29°15	24° 6	n.a.	S 16
S 17	21 12 14	16° 3'49	28° 9	28°10	2°11	5°38	25° 9	18° 6	21°39	23°54	20°52	0°40	29°12	24°13	n.a.	S 17
M18	21 16 11	17° 2'35	10♉13	29°14	3° 5	5°23	25°20	18° 8	21°37	23°56	20°51	0°38	29° 9	24°20	n.a.	M18
T 19	21 20 7	18° 1'24	22°31	0♌24	3°59	5° 7	25°30	18°10	21°35	23°58	20°50	0°D38	29° 6	24°27	n.a.	T 19
W20	21 24 4	19° 0'16	5♊ 5	1°41	4°52	4°50	25°41	18°12	21°32	24° 0	20°49	0°39	29° 3	24°33	n.a.	W20
T 21	21 28 1	19°59'09	18° 2	3° 3	5°44	4°34	25°51	18°14	21°30	24° 2	20°47	0°40	28°59	24°40	n.a.	T 21
F 22	21 31 57	20°58'06	1♋25	4°29	6°36	4°16	26° 1	18°16	21°27	24° 4	20°46	0°R41	28°56	24°47	n.a.	F 22
S 23	21 35 54	21°57'04	15°16	6° 0	7°27	3°59	26°11	18°18	21°25	24° 6	20°45	0°40	28°53	24°54	n.a.	S 23
S 24	21 39 50	22°56'05	29°35	7°35	8°18	3°40	26°21	18°20	21°22	24° 8	20°44	0°37	28°50	25° 0	n.a.	S 24
M25	21 43 47	23°55'08	14♌18	9°13	9° 7	3°22	26°31	18°21	21°20	24°10	20°43	0°32	28°47	25° 7	n.a.	M25
T 26	21 47 43	24°54'14	29°19	10°53	9°57	3° 3	26°41	18°23	21°18	24°12	20°42	0°24	28°44	25°14	n.a.	T 26
W27	21 51 40	25°53'21	14♍28	12°35	10°45	2°44	26°51	18°24	21°15	24°14	20°41	0°16	28°40	25°20	n.a.	W27
T 28	21 55 36	26°52'30	29°36	14°19	11°32	2°25	27° 0	18°26	21°13	24°16	20°40	0° 7	28°37	25°27	n.a.	T 28
F 29	21 59 33	27°51'42	14♎31	16° 4	12°19	2° 6	27°10	18°27	21°10	24°18	20°39	29♊59	28°34	25°34	n.a.	F 29
S 30	22 3 30	28°50'55	29° 8	17°50	13° 5	1°47	27°19	18°28	21° 8	24°20	20°38	29°54	28°31	25°41	n.a.	S 30
S 31	22 7 26	29♌50'10	13♏21	19♌37	13♎50	1♓28	27♊28	18♉29	21♒ 6	24♍22	20♂37	29♊51	28♊28	25♓47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n20	2n54	5n12	16n33	3s59	4n12	1s13	13s50	5s36	23n35	0n 3	15n24	1s54	15s 3	0s48	4n22	1n53	32s48	10s52	23n46	23n47	7s43		n.a.
S 2	20 7	2s57	4 58	16 56	3 48	3 43	1 19	13 53	5 37	23 36	0 3	15 25	1 54	15 3	0 48	4 21	1 53	32 49	10 52	23 46	23 47	7 40		n.a.
S 3	19 54	8 32	4 27	17 19	3 35	3 13	1 25	13 55	5 39	23 37	0 3	15 26	1 54	15 4	0 48	4 20	1 53	32 49	10 52	23 46	23 47	7 38		n.a.
M 4	19 40	13 36	3 40	17 43	3 20	2 44	1 31	13 58	5 40	23 37	0 3	15 27	1 54	15 5	0 48	4 20	1 53	32 49	10 52	23 46	23 47	7 35		n.a.
T 5	19 26	17 52	2 42	18 8	3 4	2 14	1 37	14 2	5 41	23 38	0 3	15 28	1 54	15 6	0 48	4 19	1 53	32 49	10 52	23 46	23 47	7 33		n.a.
W 6	19 12	21 9	1 36	18 32	2 47	1 45	1 43	14 5	5 42	23 39	0 3	15 29	1 54	15 6	0 49	4 18	1 53	32 49	10 52	23 46	23 47	7 30		n.a.
T 7	18 58	23 17	0 27	18 55	2 29	1 15	1 50	14 9	5 43	23 40	0 3	15 30	1 54	15 7	0 49	4 18	1 53	32 50	10 52	23 46	23 47	7 27		n.a.
F 8	18 43	24 9	0s42	19 17	2 11	0 46	1 56	14 13	5 44	23 40	0 3	15 30	1 55	15 8	0 49	4 17	1 53	32 50	10 52	23 46	23 47	7 25		n.a.
S 9	18 28	23 46	1 48	19 39	1 52	0 16	2 3	14 17	5 45	23 41	0 3	15 31	1 55	15 9	0 49	4 16	1 53	32 50	10 52	23 46	23 47	7 22		n.a.
S 10	18 12	22 11	2 48	19 58	1 33	0s13	2 9	14 21	5 45	23 42	0 4	15 32	1 55	15 10	0 49	4 15	1 53	32 50	10 52	23 46	23 47	7 20		n.a.
M11	17 56	19 36	3 40	20 16	1 15	0 42	2 16	14 25	5 46	23 42	0 4	15 33	1 55	15 10	0 49	4 15	1 53	32 50	10 52	23 46	23 47	7 17		n.a.
T 12	17 40	16 11	4 20	20 32	0 56	1 11	2 22	14 30	5 46	23 43	0 4	15 33	1 55	15 11	0 49	4 14	1 53	32 50	10 52	23 46	23 47	7 14		n.a.
W13	17 23	12 9	4 49	20 45	0 39	1 40	2 29	14 35	5 46	23 43	0 4	15 34	1 55	15 12	0 49	4 13	1 53	32 51	10 52	23 46	23 47	7 12		n.a.
T 14	17 7	7 41	5 5	20 56	0 22	2 9	2 36	14 40	5 46	23 44	0 4	15 35	1 55	15 13	0 49	4 12	1 53	32 51	10 52	23 46	23 47	7 9		n.a.
F 15	16 50	2 57	5 8	21 5	0 5	2 37	2 42	14 45	5 46	23 45	0 4	15 35	1 56	15 13	0 49	4 12	1 52	32 51	10 52	23 46	23 47	7 6		n.a.
S 16	16 32	1n54	4 57	21 10	0n10	3 6	2 49	14 50	5 46	23 45	0 4	15 36	1 56	15 14	0 49	4 11	1 52	32 51	10 52	23 47	23 47	7 4		n.a.
S 17	16 15	6 42	4 34	21 13	0 25	3 34	2 56	14 55	5 46	23 46	0 4	15 36	1 56	15 15	0 49	4 10	1 52	32 51	10 52	23 47	23 46	7 1		n.a.
M18	15 57	11 20	3 58	21 13	0 38	4 2	3 3	15 0	5 45	23 46	0 5	15 37	1 56	15 16	0 49	4 9	1 52	32 51	10 52	23 47	23 46	6 59		n.a.
T 19	15 39	15 35	3 11	21 10	0 50	4 30	3 10	15 6	5 45	23 47	0 5	15 37	1 56	15 17	0 49	4 9	1 52	32 51	10 52	23 47	23 46	6 56		n.a.
W20	15 20	19 16	2 13	21 3	1 1	4 57	3 16	15 11	5 44	23 47	0 5	15 38	1 56	15 17	0 49	4 8	1 52	32 51	10 52	23 47	23 46	6 53		n.a.
T 21	15 1	22 7	1 8	20 54	1 11	5 25	3 23	15 16	5 43	23 48	0 5	15 38	1 56	15 18	0 49	4 7	1 52	32 52	10 52	23 47	23 46	6 51		n.a.
F 22	14 43	23 50	0n 4	20 42	1 20	5 52	3 30	15 22	5 42	23 48	0 5	15 39	1 57	15 19	0 49	4 6	1 52	32 52	10 51	23 47	23 46	6 48		n.a.
S 23	14 23	24 10	1 18	20 27	1 27	6 19	3 37	15 27	5 40	23 48	0 5	15 39	1 57	15 20	0 49	4 5	1 52	32 52	10 51	23 47	23 46	6 45		n.a.
S 24	14 4	22 57	2 29	20 9	1 34	6 46	3 44	15 33	5 39	23 49	0 5	15 39	1 57	15 21	0 49	4 5	1 52	32 52	10 51	23 47	23 46	6 43		n.a.
M25	13 44	20 8	3 32	19 48	1 39	7 12	3 51	15 38	5 37	23 49	0 5	15 40	1 57	15 21	0 49	4 4	1 52	32 52	10 51	23 47	23 46	6 40		n.a.
T 26	13 24	15 57	4 22	19 25	1 44	7 38	3 58	15 43	5 35	23 50	0 6	15 40	1 57	15 22	0 49	4 3	1 52	32 52	10 51	23 47	23 46	6 37		n.a.
W27	13 4	10 42	4 53	18 59	1 47	8 4	4 5	15 49	5 34	23 50	0 6	15 40	1 57	15 23	0 49	4 2	1 52	32 52	10 51	23 47	23 46	6 35		n.a.
T 28	12 44	4 49	5 5	18 31	1 50	8 29	4 12	15 54	5 31	23 50	0 6	15 40	1 58	15 24	0 49	4 1	1 52	32 52	10 51	23 47	23 46	6 32		n.a.
F 29	12 23	1s17	4 55	18 1	1 52	8 54	4 19	15 59	5 29	23 51	0 6	15 41	1 58	15 24	0 49	4 0	1 52	32 52	10 51	23 47	23 46	6 29		n.a.
S 30	12 2	7 10	4 26	17 29	1 53	9 19	4 26	16 3	5 27	23 51	0 6	15 41	1 58	15 25	0 49	4 0	1 52	32 52	10 51	23 47	23 46	6 27		n.a.
S 31	11n41	12s33	3n42	16n56	1n53	9s43	4s33	16s 8	5s24	23n51	0n 6	15n41	1s58	15s26	0s49	3n59	1n52	32s52	10s50	23n47	23n46	6s24		n.a.

Julian Day Number = 1473265.5, Delta T = 05h29m05s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'25, Lahiri = -13°20'24 Julian Calendar 1 Aug. 680 BCE == Greg. Calendar 25 July 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

SEPTEMBER 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 11 23	0♍49'27	27♏ 8	21♌24	14♎34	1°R 9	27♊37	18♉30	21°R 3	24♍24	20°R36	29°D49	28♊24	25♓54	n.a.	M 1
T 2	22 15 19	1°48'46	10♐32	23°11	15°17	0♓50	27°46	18°30	21♒ 1	24°26	20♑35	29♊50	28°21	26° 1	n.a.	T 2
W 3	22 19 16	2°48'07	23°35	24°58	15°59	0°31	27°55	18°31	20°59	24°28	20°34	29°R50	28°18	26° 7	n.a.	W 3
T 4	22 23 12	3°47'30	6♑19	26°45	16°40	0°12	28° 4	18°31	20°56	24°30	20°33	29°50	28°15	26°14	n.a.	T 4
F 5	22 27 9	4°46'55	18°49	28°32	17°20	29♒54	28°12	18°32	20°54	24°33	20°33	29°48	28°12	26°21	n.a.	F 5
S 6	22 31 5	5°46'22	1♒ 8	0♍18	17°59	29°36	28°21	18°32	20°52	24°35	20°32	29°44	28° 9	26°28	n.a.	S 6
S 7	22 35 2	6°45'50	13°18	2° 4	18°37	29°18	28°29	18°32	20°49	24°37	20°31	29°37	28° 5	26°34	n.a.	S 7
M 8	22 38 59	7°45'21	25°22	3°49	19°13	29° 1	28°37	18°R32	20°47	24°39	20°30	29°27	28° 2	26°41	n.a.	M 8
T 9	22 42 55	8°44'54	7♓21	5°34	19°48	28°44	28°46	18°32	20°45	24°41	20°29	29°15	27°59	26°48	n.a.	T 9
W10	22 46 52	9°44'28	19°16	7°18	20°22	28°27	28°54	18°32	20°42	24°43	20°28	29° 2	27°56	26°55	n.a.	W10
T 11	22 50 48	10°44'05	1♈ 9	9° 2	20°54	28°11	29° 1	18°32	20°40	24°46	20°28	28°49	27°53	27° 1	n.a.	T 11
F 12	22 54 45	11°43'45	13° 0	10°45	21°25	27°56	29° 9	18°31	20°38	24°48	20°27	28°36	27°50	27° 8	n.a.	F 12
S 13	22 58 41	12°43'26	24°53	12°27	21°55	27°41	29°17	18°31	20°36	24°50	20°26	28°25	27°46	27°15	n.a.	S 13
S 14	23 2 38	13°43'10	6♉50	14° 9	22°23	27°27	29°24	18°30	20°34	24°52	20°26	28°17	27°43	27°21	n.a.	S 14
M15	23 6 34	14°42'56	18°53	15°50	22°49	27°13	29°32	18°29	20°31	24°54	20°25	28°12	27°40	27°28	n.a.	M15
T 16	23 10 31	15°42'44	1♊ 8	17°30	23°14	27° 0	29°39	18°28	20°29	24°57	20°24	28° 9	27°37	27°35	n.a.	T 16
W17	23 14 27	16°42'35	13°38	19°10	23°37	26°48	29°46	18°27	20°27	24°59	20°24	28°D 8	27°34	27°42	n.a.	W17
T 18	23 18 24	17°42'29	26°29	20°49	23°58	26°36	29°53	18°26	20°25	25° 1	20°23	28°R 8	27°30	27°48	n.a.	T 18
F 19	23 22 21	18°42'24	9♋44	22°27	24°17	26°25	29°59	18°25	20°23	25° 3	20°22	28° 8	27°27	27°55	n.a.	F 19
S 20	23 26 17	19°42'22	23°28	24° 5	24°35	26°15	0♌ 6	18°24	20°21	25° 6	20°22	28° 6	27°24	28° 2	n.a.	S 20
S 21	23 30 14	20°42'23	7♌42	25°43	24°50	26° 5	0°12	18°23	20°19	25° 8	20°21	28° 2	27°21	28° 9	n.a.	S 21
M22	23 34 10	21°42'25	22°23	27°20	25° 3	25°57	0°19	18°21	20°17	25°10	20°21	27°55	27°18	28°15	n.a.	M22
T 23	23 38 7	22°42'30	7♍28	28°56	25°15	25°49	0°25	18°19	20°15	25°12	20°20	27°45	27°15	28°22	n.a.	T 23
W24	23 42 3	23°42'36	22°46	0♎32	25°24	25°42	0°31	18°18	20°13	25°15	20°20	27°34	27°11	28°29	n.a.	W24
T 25	23 46 0	24°42'45	8♎ 8	2° 7	25°31	25°35	0°37	18°16	20°11	25°17	20°19	27°22	27° 8	28°35	n.a.	T 25
F 26	23 49 56	25°42'55	23°19	3°42	25°36	25°30	0°42	18°14	20°10	25°19	20°19	27°12	27° 5	28°42	n.a.	F 26
S 27	23 53 53	26°43'08	8♏12	5°16	25°38	25°25	0°48	18°12	20° 8	25°21	20°19	27° 3	27° 2	28°49	n.a.	S 27
S 28	23 57 49	27°43'22	22°38	6°50	25°R38	25°21	0°53	18°10	20° 6	25°24	20°18	26°58	26°59	28°56	n.a.	S 28
M29	0 1 46	28°43'38	6♐36	8°23	25°36	25°18	0°58	18° 7	20° 4	25°26	20°18	26°55	26°55	29° 2	n.a.	M29
T 30	0 5 43	29♍43'55	20♐ 5	9♎56	25♎31	25♒16	1♌ 3	18♉ 5	20♒ 3	25♍28	20♑18	26♊54	26♊52	29♓ 9	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n20	17s 7	2n45	16n21	1n53	10s 7	4s40	16s13	5s21	23n52	0n 6	15n41	1s58	15s27	0s49	3n58	1n52	32s52	10s50	23n47	23n46	6s21		n.a.
T 2	10 59	20 40	1 41	15 44	1 52	10 30	4 47	16 17	5 19	23 52	0 6	15 41	1 58	15 28	0 49	3 57	1 52	32 52	10 50	23 47	23 46	6 19		n.a.
W 3	10 37	23 4	0 33	15 7	1 50	10 53	4 54	16 21	5 16	23 52	0 7	15 41	1 58	15 28	0 49	3 56	1 52	32 52	10 50	23 47	23 46	6 16		n.a.
T 4	10 15	24 12	0s34	14 28	1 48	11 15	5 1	16 25	5 12	23 52	0 7	15 41	1 59	15 29	0 49	3 55	1 52	32 52	10 50	23 47	23 46	6 13		n.a.
F 5	9 53	24 4	1 39	13 48	1 45	11 37	5 7	16 28	5 9	23 53	0 7	15 41	1 59	15 30	0 49	3 54	1 52	32 52	10 50	23 47	23 46	6 11		n.a.
S 6	9 31	22 46	2 38	13 7	1 42	11 58	5 14	16 32	5 6	23 53	0 7	15 41	1 59	15 31	0 49	3 53	1 52	32 52	10 50	23 47	23 46	6 8		n.a.
S 7	9 9	20 24	3 29	12 25	1 39	12 19	5 21	16 35	5 2	23 53	0 7	15 41	1 59	15 31	0 49	3 53	1 52	32 52	10 49	23 47	23 46	6 5		n.a.
M 8	8 47	17 10	4 10	11 43	1 35	12 39	5 27	16 38	4 59	23 53	0 7	15 41	1 59	15 32	0 49	3 52	1 52	32 52	10 49	23 47	23 46	6 3		n.a.
T 9	8 24	13 15	4 39	11 0	1 31	12 59	5 34	16 40	4 55	23 54	0 7	15 41	1 59	15 33	0 49	3 51	1 52	32 52	10 49	23 47	23 46	6 0		n.a.
W10	8 1	8 50	4 56	10 17	1 26	13 18	5 40	16 43	4 51	23 54	0 8	15 40	1 59	15 33	0 49	3 50	1 52	32 52	10 49	23 46	23 46	5 57		n.a.
T 11	7 39	4 7	5 0	9 33	1 21	13 36	5 46	16 45	4 47	23 54	0 8	15 40	2 0	15 34	0 48	3 49	1 52	32 52	10 49	23 46	23 46	5 54		n.a.
F 12	7 16	0n44	4 51	8 49	1 16	13 54	5 52	16 47	4 43	23 54	0 8	15 40	2 0	15 35	0 48	3 48	1 52	32 52	10 49	23 46	23 46	5 52		n.a.
S 13	6 53	5 35	4 30	8 4	1 11	14 11	5 58	16 48	4 39	23 54	0 8	15 40	2 0	15 36	0 48	3 47	1 52	32 52	10 49	23 46	23 45	5 49		n.a.
S 14	6 29	10 16	3 56	7 20	1 6	14 27	6 4	16 49	4 35	23 55	0 8	15 39	2 0	15 36	0 48	3 46	1 52	32 52	10 48	23 46	23 45	5 46		n.a.
M15	6 6	14 37	3 12	6 35	1 0	14 42	6 10	16 50	4 31	23 55	0 8	15 39	2 0	15 37	0 48	3 45	1 52	32 52	10 48	23 46	23 45	5 44		n.a.
T 16	5 43	18 26	2 18	5 50	0 54	14 56	6 15	16 51	4 27	23 55	0 8	15 39	2 0	15 38	0 48	3 45	1 52	32 52	10 48	23 46	23 45	5 41		n.a.
W17	5 19	21 30	1 16	5 5	0 48	15 10	6 21	16 51	4 23	23 55	0 9	15 38	2 0	15 38	0 48	3 44	1 52	32 52	10 48	23 46	23 45	5 38		n.a.
T 18	4 55	23 35	0 9	4 20	0 42	15 23	6 26	16 51	4 18	23 55	0 9	15 38	2 1	15 39	0 48	3 43	1 52	32 52	10 48	23 46	23 45	5 36		n.a.
F 19	4 32	24 26	1n 1	3 35	0 35	15 34	6 31	16 51	4 14	23 55	0 9	15 37	2 1	15 40	0 48	3 42	1 52	32 52	10 47	23 46	23 45	5 33		n.a.
S 20	4 8	23 50	2 10	2 49	0 29	15 45	6 35	16 51	4 9	23 56	0 9	15 37	2 1	15 40	0 48	3 41	1 52	32 52	10 47	23 46	23 45	5 30		n.a.
S 21	3 44	21 42	3 13	2 4	0 23	15 55	6 39	16 50	4 5	23 56	0 9	15 36	2 1	15 41	0 48	3 40	1 52	32 51	10 47	23 46	23 45	5 27		n.a.
M22	3 20	18 6	4 5	1 19	0 16	16 4	6 43	16 49	4 1	23 56	0 9	15 36	2 1	15 41	0 48	3 39	1 52	32 51	10 47	23 46	23 45	5 25		n.a.
T 23	2 56	13 14	4 42	0 35	0 10	16 12	6 47	16 47	3 56	23 56	0 9	15 35	2 1	15 42	0 48	3 38	1 52	32 51	10 47	23 45	23 45	5 22		n.a.
W24	2 32	7 28	4 59	0s10	0 3	16 18	6 50	16 46	3 52	23 56	0 10	15 35	2 1	15 43	0 48	3 37	1 52	32 51	10 46	23 45	23 45	5 19		n.a.
T 25	2 8	1 14	4 55	0 54	0s 4	16 24	6 53	16 44	3 47	23 56	0 10	15 34	2 1	15 43	0 48	3 36	1 52	32 51	10 46	23 45	23 45	5 16		n.a.
F 26	1 44	5s 1	4 30	1 39	0 10	16 28	6 56	16 41	3 43	23 56	0 10	15 33	2 2	15 44	0 48	3 36	1 52	32 51	10 46	23 45	23 45	5 14		n.a.
S 27	1 19	10 52	3 47	2 23	0 17	16 31	6 58	16 39	3 38	23 56	0 10	15 33	2 2	15 44	0 48	3 35	1 52	32 51	10 46	23 45	23 45	5 11		n.a.
S 28	0 55	15 57	2 50	3 6	0 24	16 32	7 0	16 36	3 34	23 57	0 10	15 32	2 2	15 45	0 48	3 34	1 52	32 51	10 46	23 45	23 45	5 8		n.a.
M29	0 31	19 59	1 45	3 50	0 30	16 32	7 1	16 33	3 30	23 57	0 10	15 31	2 2	15 45	0 48	3 33	1 52	32 50	10 45	23 44	23 44	5 6		n.a.
T 30	0n 6	22s48	0n36	4s33	0s37	16s31	7s 2	16s30	3s25	23n57	0n10	15n30	2s 2	15s46	0s48	3n32	1n52	32s50	10s45	23n44	23n44	5s 3		n.a.

Julian Day Number = 1473296.5, Delta T = 05h29m04s
Ecliptic obliquity = 23°46'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'20, Lahiri = -13°20'20 Julian Calendar 1 Sept. 680 BCE == Greg. Calendar 25 Aug. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

OCTOBER 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 9 39	0♎44'14	3♑ 7	11♎29	25°R24	25°R15	1♋ 8	18°R 2	20°R 1	25♍30	20°R17	26°R54	26♊49	29♓16	n.a.	W 1
T 2	0 13 36	1°44'35	15°48	13° 1	25♎14	25°D14	1°13	18♉ 0	19♒59	25°32	20♑17	26♊54	26°46	29°22	n.a.	T 2
F 3	0 17 32	2°44'57	28°12	14°32	25° 2	25♒14	1°17	17°57	19°58	25°35	20°17	26°51	26°43	29°29	n.a.	F 3
S 4	0 21 29	3°45'20	10♒23	16° 4	24°48	25°15	1°21	17°54	19°56	25°37	20°17	26°47	26°40	29°36	n.a.	S 4
S 5	0 25 25	4°45'46	22°25	17°35	24°31	25°17	1°26	17°52	19°55	25°39	20°17	26°39	26°36	29°43	n.a.	S 5
M 6	0 29 22	5°46'12	4♓21	19° 5	24°11	25°20	1°29	17°49	19°53	25°41	20°16	26°29	26°33	29°49	n.a.	M 6
T 7	0 33 18	6°46'41	16°15	20°35	23°50	25°23	1°33	17°46	19°52	25°44	20°16	26°16	26°30	29°56	n.a.	T 7
W 8	0 37 15	7°47'11	28° 7	22° 5	23°26	25°27	1°37	17°42	19°50	25°46	20°16	26° 2	26°27	0♈ 3	n.a.	W 8
T 9	0 41 12	8°47'42	10♈ 0	23°34	23° 0	25°32	1°40	17°39	19°49	25°48	20°16	25°47	26°24	0°10	n.a.	T 9
F 10	0 45 8	9°48'15	21°55	25° 3	22°33	25°37	1°43	17°36	19°48	25°50	20°16	25°33	26°21	0°16	n.a.	F 10
S 11	0 49 5	10°48'50	3♉53	26°31	22° 3	25°44	1°47	17°33	19°46	25°52	20°D16	25°22	26°17	0°23	n.a.	S 11
S 12	0 53 1	11°49'27	15°55	27°59	21°32	25°51	1°49	17°29	19°45	25°55	20°16	25°13	26°14	0°30	n.a.	S 12
M13	0 56 58	12°50'06	28° 5	29°27	20°59	25°59	1°52	17°25	19°44	25°57	20°16	25° 7	26°11	0°36	n.a.	M13
T 14	1 0 54	13°50'46	10♊23	0♏53	20°26	26° 7	1°55	17°22	19°43	25°59	20°16	25° 3	26° 8	0°43	n.a.	T 14
W15	1 4 51	14°51'28	22°55	2°20	19°51	26°16	1°57	17°18	19°42	26° 1	20°16	25°D 2	26° 5	0°50	n.a.	W15
T 16	1 8 47	15°52'12	5♋44	3°45	19°15	26°26	1°59	17°14	19°41	26° 3	20°16	25° 3	26° 1	0°57	n.a.	T 16
F 17	1 12 44	16°52'58	18°53	5°10	18°39	26°36	2° 1	17°10	19°40	26° 5	20°16	25°R 3	25°58	1° 3	n.a.	F 17
S 18	1 16 41	17°53'46	2♌27	6°34	18° 3	26°47	2° 3	17° 6	19°39	26° 8	20°17	25° 2	25°55	1°10	n.a.	S 18
S 19	1 20 37	18°54'35	16°28	7°57	17°27	26°59	2° 4	17° 2	19°38	26°10	20°17	24°59	25°52	1°17	n.a.	S 19
M20	1 24 34	19°55'26	0♍55	9°19	16°51	27°11	2° 5	16°58	19°37	26°12	20°17	24°53	25°49	1°24	n.a.	M20
T 21	1 28 30	20°56'18	15°46	10°40	16°15	27°24	2° 7	16°54	19°36	26°14	20°17	24°46	25°46	1°30	n.a.	T 21
W22	1 32 27	21°57'12	0♎54	12° 0	15°40	27°38	2° 8	16°50	19°35	26°16	20°17	24°36	25°42	1°37	n.a.	W22
T 23	1 36 23	22°58'07	16°10	13°18	15° 6	27°52	2° 8	16°46	19°35	26°18	20°18	24°26	25°39	1°44	n.a.	T 23
F 24	1 40 20	23°59'04	1♏22	14°34	14°33	28° 7	2° 9	16°41	19°34	26°20	20°18	24°17	25°36	1°50	n.a.	F 24
S 25	1 44 16	25° 0'02	16°20	15°49	14° 2	28°22	2° 9	16°37	19°33	26°22	20°18	24°10	25°33	1°57	n.a.	S 25
S 26	1 48 13	26° 1'01	0♐55	17° 1	13°32	28°38	2°R 9	16°32	19°33	26°24	20°19	24° 5	25°30	2° 4	n.a.	S 26
M27	1 52 10	27° 2'01	15° 2	18°10	13° 4	28°54	2° 9	16°28	19°32	26°26	20°19	24° 3	25°26	2°11	n.a.	M27
T 28	1 56 6	28° 3'02	28°41	19°17	12°38	29°11	2° 9	16°23	19°32	26°28	20°20	24°D 2	25°23	2°17	n.a.	T 28
W29	2 0 3	29° 4'04	11♑51	20°20	12°13	29°29	2° 9	16°19	19°31	26°30	20°20	24° 3	25°20	2°24	n.a.	W29
T 30	2 3 59	0♏ 5'07	24°37	21°19	11°51	29°47	2° 8	16°14	19°31	26°32	20°21	24°R 4	25°17	2°31	n.a.	T 30
F 31	2 7 56	1♏ 6'11	7♒ 2	22♏14	11♎32	0♓ 5	2♋ 7	16♉ 9	19♒31	26♍34	20♑21	24♊ 4	25♊14	2♈37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	0s18	24s17	0s33	5s16	0s43	16s29	7s 2	16s26	3s21	23n57	0n11	15n30	2s 2	15s46	0s48	3n31	1n52	32s50	10s45	23n44	23n44	5s 0			n.a.
T 2	0 42	24 27	1 38	5 58	0 50	16 24	7 1	16 22	3 16	23 57	0 11	15 29	2 2	15 47	0 48	3 30	1 52	32 50	10 45	23 44	23 44	4 57			n.a.
F 3	1 6	23 23	2 37	6 40	0 56	16 19	7 0	16 18	3 12	23 57	0 11	15 28	2 2	15 47	0 48	3 29	1 52	32 50	10 45	23 44	23 44	4 55			n.a.
S 4	1 31	21 13	3 28	7 22	1 3	16 12	6 58	16 14	3 8	23 57	0 11	15 27	2 2	15 48	0 48	3 28	1 52	32 50	10 44	23 44	23 44	4 52			n.a.
S 5	1 55	18 9	4 9	8 3	1 9	16 3	6 56	16 9	3 4	23 57	0 11	15 26	2 2	15 48	0 48	3 28	1 52	32 49	10 44	23 44	23 44	4 49			n.a.
M 6	2 19	14 21	4 38	8 44	1 15	15 53	6 53	16 4	2 59	23 58	0 11	15 25	2 3	15 49	0 48	3 27	1 52	32 49	10 44	23 44	23 44	4 46			n.a.
T 7	2 44	10 1	4 55	9 24	1 21	15 41	6 49	15 59	2 55	23 58	0 12	15 24	2 3	15 49	0 48	3 26	1 52	32 49	10 44	23 43	23 44	4 44			n.a.
W 8	3 8	5 19	4 59	10 3	1 27	15 28	6 44	15 54	2 51	23 58	0 12	15 23	2 3	15 50	0 48	3 25	1 52	32 49	10 43	23 43	23 44	4 41			n.a.
T 9	3 32	0 26	4 51	10 42	1 33	15 13	6 39	15 48	2 47	23 58	0 12	15 22	2 3	15 50	0 48	3 24	1 52	32 49	10 43	23 43	23 44	4 38			n.a.
F 10	3 56	4n30	4 29	11 21	1 38	14 57	6 33	15 43	2 43	23 58	0 12	15 21	2 3	15 50	0 48	3 23	1 52	32 48	10 43	23 42	23 44	4 35			n.a.
S 11	4 20	9 18	3 56	11 59	1 44	14 39	6 26	15 37	2 39	23 58	0 12	15 20	2 3	15 51	0 48	3 22	1 52	32 48	10 43	23 42	23 43	4 32			n.a.
S 12	4 44	13 47	3 11	12 36	1 49	14 20	6 18	15 31	2 35	23 58	0 12	15 19	2 3	15 51	0 48	3 21	1 52	32 48	10 43	23 41	23 43	4 30			n.a.
M13	5 8	17 46	2 18	13 12	1 54	13 59	6 9	15 24	2 31	23 58	0 13	15 18	2 3	15 52	0 48	3 21	1 52	32 48	10 42	23 41	23 43	4 27			n.a.
T 14	5 32	21 3	1 17	13 48	1 59	13 38	6 0	15 18	2 27	23 59	0 13	15 17	2 3	15 52	0 48	3 20	1 52	32 47	10 42	23 41	23 43	4 24			n.a.
W15	5 56	23 24	0 11	14 22	2 3	13 15	5 50	15 11	2 24	23 59	0 13	15 16	2 3	15 52	0 48	3 19	1 52	32 47	10 42	23 41	23 43	4 21			n.a.
T 16	6 20	24 36	0n57	14 56	2 8	12 51	5 39	15 4	2 20	23 59	0 13	15 15	2 3	15 52	0 48	3 18	1 52	32 47	10 42	23 41	23 43	4 19			n.a.
F 17	6 43	24 27	2 3	15 29	2 11	12 26	5 27	14 57	2 16	23 59	0 13	15 14	2 3	15 53	0 48	3 17	1 52	32 47	10 41	23 41	23 43	4 16			n.a.
S 18	7 7	22 53	3 5	16 1	2 15	12 1	5 15	14 50	2 13	23 59	0 13	15 13	2 3	15 53	0 48	3 16	1 52	32 47	10 41	23 41	23 43	4 13			n.a.
S 19	7 30	19 54	3 58	16 32	2 18	11 35	5 2	14 42	2 9	23 59	0 14	15 11	2 3	15 53	0 48	3 16	1 52	32 46	10 41	23 41	23 43	4 10			n.a.
M20	7 54	15 37	4 37	17 2	2 21	11 8	4 49	14 35	2 6	23 59	0 14	15 10	2 3	15 54	0 47	3 15	1 52	32 46	10 41	23 41	23 43	4 7			n.a.
T 21	8 17	10 17	5 0	17 30	2 24	10 42	4 35	14 27	2 2	24 0	0 14	15 9	2 3	15 54	0 47	3 14	1 52	32 46	10 41	23 40	23 42	4 5			n.a.
W22	8 40	4 14	5 1	17 58	2 26	10 15	4 21	14 19	1 59	24 0	0 14	15 8	2 4	15 54	0 47	3 13	1 52	32 45	10 40	23 40	23 42	4 2			n.a.
T 23	9 3	2s 7	4 42	18 24	2 28	9 48	4 6	14 11	1 55	24 0	0 14	15 7	2 4	15 54	0 47	3 12	1 52	32 45	10 40	23 40	23 42	3 59			n.a.
F 24	9 26	8 20	4 3	18 48	2 29	9 21	3 51	14 3	1 52	24 0	0 14	15 5	2 4	15 54	0 47	3 11	1 52	32 45	10 40	23 39	23 42	3 56			n.a.
S 25	9 49	13 58	3 7	19 11	2 29	8 55	3 36	13 54	1 49	24 0	0 15	15 4	2 4	15 55	0 47	3 11	1 52	32 45	10 40	23 39	23 42	3 54			n.a.
S 26	10 11	18 40	2 0	19 32	2 29	8 29	3 20	13 46	1 45	24 0	0 15	15 3	2 4	15 55	0 47	3 10	1 52	32 44	10 39	23 39	23 42	3 51			n.a.
M27	10 34	22 8	0 48	19 51	2 28	8 4	3 5	13 37	1 42	24 1	0 15	15 1	2 4	15 55	0 47	3 9	1 52	32 44	10 39	23 38	23 42	3 48			n.a.
T 28	10 56	24 11	0s25	20 9	2 27	7 39	2 49	13 28	1 39	24 1	0 15	15 0	2 4	15 55	0 47	3 8	1 52	32 44	10 39	23 38	23 42	3 45			n.a.
W29	11 18	24 48	1 34	20 24	2 24	7 15	2 34	13 19	1 36	24 1	0 15	14 59	2 4	15 55	0 47	3 8	1 53	32 44	10 39	23 38	23 42	3 42			n.a.
T 30	11 40	24 4	2 36	20 37	2 21	6 52	2 18	13 10	1 33	24 1	0 16	14 57	2 4	15 55	0 47	3 7	1 53	32 43	10 39	23 39	23 42	3 40			n.a.
F 31	12s 1	22s 9	3s30	20s47	2s17	6s30	2s 3	13s 0	1s30	24n 1	0n16	14n56	2s 4	15s55	0s47	3n 6	1n53	32s43	10s38	23n39	23n41	3s37			n.a.

Julian Day Number = 1473326.5, Delta T = 05h29m02s
Ecliptic obliquity = 23°46'38, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'16, Lahiri = -13°20'16 Julian Calendar 1 Oct. 680 BCE == Greg. Calendar 24 Sept. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

NOVEMBER 680 BCE (-679) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 11 52	2♏ 7'15	19♒13	23♏ 3	11°R14	0♓24	2°R 6	16°R 5	19°R31	26♍36	20♑22	24°R 2	25♊11	2♈44	n.a.	S 1
S 2	2 15 49	3° 8'19	1♓12	23°47	10♎59	0°43	2♋ 5	16♉ 0	19♒30	26°38	20°22	23♊58	25° 7	2°51	n.a.	S 2
M 3	2 19 45	4° 9'25	13° 6	24°24	10°46	1° 3	2° 3	15°55	19°30	26°40	20°23	23°52	25° 4	2°58	n.a.	M 3
T 4	2 23 42	5°10'31	24°58	24°54	10°36	1°23	2° 2	15°50	19°30	26°42	20°23	23°44	25° 1	3° 4	n.a.	T 4
W 5	2 27 39	6°11'38	6♈50	25°15	10°28	1°44	2° 0	15°45	19°30	26°43	20°24	23°35	24°58	3°11	n.a.	W 5
T 6	2 31 35	7°12'45	18°45	25°27	10°23	2° 5	1°58	15°40	19°D30	26°45	20°25	23°25	24°55	3°18	n.a.	T 6
F 7	2 35 32	8°13'53	0♉45	25°R30	10°20	2°27	1°56	15°35	19°30	26°47	20°25	23°16	24°52	3°25	n.a.	F 7
S 8	2 39 28	9°15'02	12°52	25°21	10°D20	2°49	1°53	15°30	19°30	26°49	20°26	23° 8	24°48	3°31	n.a.	S 8
S 9	2 43 25	10°16'12	25° 6	25° 2	10°22	3°11	1°51	15°26	19°30	26°51	20°27	23° 3	24°45	3°38	n.a.	S 9
M10	2 47 21	11°17'22	7♊28	24°31	10°27	3°34	1°48	15°21	19°30	26°52	20°28	22°59	24°42	3°45	n.a.	M10
T 11	2 51 18	12°18'34	20° 0	23°48	10°34	3°57	1°45	15°16	19°31	26°54	20°28	22°D58	24°39	3°51	n.a.	T 11
W12	2 55 14	13°19'46	2♋44	22°54	10°43	4°20	1°42	15°11	19°31	26°56	20°29	22°58	24°36	3°58	n.a.	W12
T 13	2 59 11	14°20'59	15°41	21°51	10°55	4°44	1°38	15° 6	19°31	26°57	20°30	23° 0	24°32	4° 5	n.a.	T 13
F 14	3 3 8	15°22'12	28°55	20°39	11° 9	5° 8	1°35	15° 1	19°32	26°59	20°31	23° 1	24°29	4°12	n.a.	F 14
S 15	3 7 4	16°23'27	12♌27	19°21	11°25	5°32	1°31	14°56	19°32	27° 1	20°32	23°R 2	24°26	4°18	n.a.	S 15
S 16	3 11 1	17°24'42	26°18	17°59	11°43	5°57	1°27	14°51	19°33	27° 2	20°33	23° 2	24°23	4°25	n.a.	S 16
M17	3 14 57	18°25'57	10♍29	16°37	12° 3	6°22	1°23	14°46	19°33	27° 4	20°34	23° 0	24°20	4°32	n.a.	M17
T 18	3 18 54	19°27'14	24°59	15°16	12°25	6°48	1°19	14°41	19°34	27° 5	20°35	22°57	24°17	4°38	n.a.	T 18
W19	3 22 50	20°28'30	9♎44	14° 0	12°48	7°13	1°14	14°36	19°35	27° 7	20°36	22°52	24°13	4°45	n.a.	W19
T 20	3 26 47	21°29'48	24°36	12°50	13°14	7°39	1°10	14°31	19°35	27° 8	20°36	22°47	24°10	4°52	n.a.	T 20
F 21	3 30 44	22°31'06	9♏29	11°49	13°41	8° 5	1° 5	14°26	19°36	27°10	20°38	22°43	24° 7	4°59	n.a.	F 21
S 22	3 34 40	23°32'24	24°14	10°58	14°10	8°32	1° 0	14°21	19°37	27°11	20°39	22°39	24° 4	5° 5	n.a.	S 22
S 23	3 38 37	24°33'42	8♐43	10°16	14°41	8°59	0°55	14°16	19°38	27°13	20°40	22°37	24° 1	5°12	n.a.	S 23
M24	3 42 33	25°35'01	22°50	9°46	15°13	9°26	0°49	14°11	19°39	27°14	20°41	22°D36	23°58	5°19	n.a.	M24
T 25	3 46 30	26°36'19	6♑32	9°26	15°47	9°53	0°44	14° 6	19°40	27°15	20°42	22°37	23°54	5°26	n.a.	T 25
W26	3 50 26	27°37'37	19°48	9°16	16°22	10°21	0°38	14° 2	19°41	27°17	20°43	22°38	23°51	5°32	n.a.	W26
T 27	3 54 23	28°38'55	2♒41	9°D16	16°58	10°49	0°33	13°57	19°42	27°18	20°44	22°40	23°48	5°39	n.a.	T 27
F 28	3 58 19	29°40'12	15°12	9°24	17°36	11°17	0°27	13°52	19°43	27°19	20°45	22°41	23°45	5°46	n.a.	F 28
S 29	4 2 16	0♐41'30	27°27	9°41	18°15	11°45	0°21	13°47	19°44	27°21	20°46	22°R42	23°42	5°52	n.a.	S 29
S 30	4 6 13	1♐42'46	9♓29	10♏ 6	18♎56	12♓14	0♋14	13♉43	19♒45	27♍22	20♑48	22♊42	23♊38	5♈59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s23	19s15	4s12	20s55	2s12	6s 9	1s48	12s51	1s27	24n 2	0n16	14n55	2s 4	15s55	0s47	3n 5	1n53	32s43	10s38	23n38	23n41	3s34		n.a.
S 2	12 44	15 36	4 43	21 0	2 5	5 49	1 33	12 41	1 24	24 2	0 16	14 53	2 4	15 55	0 47	3 5	1 53	32 42	10 38	23 38	23 41	3 31		n.a.
M 3	13 5	11 21	5 1	21 2	1 58	5 31	1 18	12 31	1 22	24 2	0 16	14 52	2 3	15 55	0 47	3 4	1 53	32 42	10 38	23 38	23 41	3 28		n.a.
T 4	13 26	6 42	5 7	21 1	1 49	5 13	1 3	12 21	1 19	24 2	0 16	14 51	2 3	15 55	0 47	3 3	1 53	32 42	10 37	23 38	23 41	3 25		n.a.
W 5	13 46	1 49	4 59	20 56	1 38	4 57	0 49	12 11	1 16	24 2	0 17	14 49	2 3	15 55	0 47	3 2	1 53	32 41	10 37	23 37	23 41	3 23		n.a.
T 6	14 7	3n10	4 38	20 48	1 26	4 43	0 35	12 1	1 14	24 3	0 17	14 48	2 3	15 55	0 47	3 2	1 53	32 41	10 37	23 37	23 41	3 20		n.a.
F 7	14 27	8 5	4 4	20 35	1 13	4 29	0 22	11 51	1 11	24 3	0 17	14 46	2 3	15 55	0 47	3 1	1 53	32 41	10 37	23 36	23 41	3 17		n.a.
S 8	14 47	12 45	3 19	20 19	0 58	4 17	0 9	11 41	1 8	24 3	0 17	14 45	2 3	15 55	0 47	3 0	1 53	32 40	10 37	23 36	23 40	3 14		n.a.
S 9	15 6	16 58	2 25	19 58	0 42	4 6	0n 4	11 30	1 6	24 3	0 17	14 44	2 3	15 55	0 47	3 0	1 53	32 40	10 36	23 35	23 40	3 11		n.a.
M10	15 26	20 30	1 23	19 34	0 25	3 57	0 16	11 19	1 3	24 3	0 18	14 42	2 3	15 55	0 47	2 59	1 53	32 40	10 36	23 35	23 40	3 9		n.a.
T 11	15 45	23 8	0 16	19 5	0 6	3 48	0 28	11 9	1 1	24 4	0 18	14 41	2 3	15 55	0 47	2 58	1 53	32 39	10 36	23 35	23 40	3 6		n.a.
W12	16 4	24 38	0n53	18 32	0n14	3 42	0 40	10 58	0 58	24 4	0 18	14 39	2 3	15 55	0 47	2 58	1 53	32 39	10 36	23 35	23 40	3 3		n.a.
T 13	16 22	24 50	2 0	17 56	0 34	3 36	0 51	10 47	0 56	24 4	0 18	14 38	2 3	15 54	0 47	2 57	1 53	32 39	10 36	23 35	23 40	3 0		n.a.
F 14	16 40	23 39	3 3	17 17	0 55	3 32	1 2	10 36	0 54	24 4	0 18	14 37	2 3	15 54	0 47	2 57	1 53	32 38	10 35	23 35	23 40	2 57		n.a.
S 15	16 58	21 6	3 57	16 37	1 15	3 29	1 12	10 24	0 51	24 5	0 19	14 35	2 3	15 54	0 46	2 56	1 53	32 38	10 35	23 35	23 40	2 54		n.a.
S 16	17 16	17 17	4 39	15 56	1 34	3 27	1 22	10 13	0 49	24 5	0 19	14 34	2 3	15 54	0 46	2 55	1 53	32 38	10 35	23 35	23 39	2 52		n.a.
M17	17 33	12 25	5 4	15 15	1 52	3 26	1 31	10 2	0 47	24 5	0 19	14 33	2 3	15 54	0 46	2 55	1 53	32 37	10 35	23 35	23 39	2 49		n.a.
T 18	17 50	6 46	5 11	14 36	2 8	3 26	1 40	9 50	0 45	24 5	0 19	14 31	2 2	15 54	0 46	2 54	1 53	32 37	10 35	23 35	23 39	2 46		n.a.
W19	18 7	0 39	4 58	14 0	2 23	3 28	1 49	9 38	0 43	24 6	0 19	14 30	2 2	15 53	0 46	2 54	1 53	32 37	10 34	23 35	23 39	2 43		n.a.
T 20	18 24	5s33	4 25	13 27	2 35	3 30	1 57	9 27	0 41	24 6	0 19	14 28	2 2	15 53	0 46	2 53	1 54	32 36	10 34	23 35	23 39	2 40		n.a.
F 21	18 40	11 28	3 34	12 59	2 44	3 34	2 5	9 15	0 39	24 6	0 20	14 27	2 2	15 53	0 46	2 53	1 54	32 36	10 34	23 34	23 39	2 37		n.a.
S 22	18 55	16 41	2 29	12 36	2 52	3 38	2 12	9 3	0 37	24 6	0 20	14 26	2 2	15 52	0 46	2 52	1 54	32 36	10 34	23 34	23 39	2 35		n.a.
S 23	19 11	20 49	1 15	12 18	2 57	3 44	2 20	8 51	0 35	24 6	0 20	14 24	2 2	15 52	0 46	2 51	1 54	32 35	10 34	23 34	23 38	2 32		n.a.
M24	19 26	23 36	0s 1	12 6	3 0	3 50	2 26	8 39	0 33	24 7	0 20	14 23	2 2	15 52	0 46	2 51	1 54	32 35	10 34	23 34	23 38	2 29		n.a.
T 25	19 40	24 52	1 16	11 58	3 2	3 57	2 33	8 27	0 31	24 7	0 20	14 22	2 2	15 51	0 46	2 50	1 54	32 35	10 33	23 34	23 38	2 26		n.a.
W26	19 55	24 40	2 24	11 55	3 2	4 5	2 39	8 14	0 29	24 7	0 21	14 20	2 2	15 51	0 46	2 50	1 54	32 34	10 33	23 34	23 38	2 23		n.a.
T 27	20 8	23 7	3 23	11 57	3 0	4 14	2 44	8 2	0 27	24 7	0 21	14 19	2 1	15 51	0 46	2 50	1 54	32 34	10 33	23 34	23 38	2 20		n.a.
F 28	20 22	20 29	4 10	12 2	2 57	4 24	2 50	7 49	0 25	24 8	0 21	14 18	2 1	15 50	0 46	2 49	1 54	32 34	10 33	23 34	23 38	2 17		n.a.
S 29	20 35	16 59	4 45	12 11	2 53	4 34	2 55	7 37	0 23	24 8	0 21	14 17	2 1	15 50	0 46	2 49	1 54	32 33	10 33	23 34	23 37	2 15		n.a.
S 30	20s48	12s51	5s 7	12s24	2n48	4s45	3n 0	7s24	0s22	24n 8	0n21	14n15	2s 1	15s49	0s46	2n48	1n54	32s33	10s33	23n34	23n37	2s12		n.a.

Julian Day Number = 1473357.5, Delta T = 05h29m01s
Ecliptic obliquity = 23°46'38, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'12, Lahiri = -13°20'12 Julian Calendar 1 Nov. 680 BCE == Greg. Calendar 25 Oct. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 680 BCE
geocentric

DECEMBER 680 BCE (-679) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 10 9	2♐44'02	21♓23	10♏37	19♎37	12♓42	0°R 8	13°R38	19♒46	27♍23	20♑49	22°R41	23♊35	6♈ 6	n.a.	M 1
T 2	4 14 6	3°45'18	3♈15	11°14	20°20	13°11	0♋ 2	13♉34	19°48	27°24	20°50	22♊38	23°32	6°13	n.a.	T 2
W 3	4 18 2	4°46'33	15° 8	11°57	21° 3	13°41	29♊55	13°29	19°49	27°25	20°51	22°36	23°29	6°19	n.a.	W 3
T 4	4 21 59	5°47'48	27° 6	12°44	21°48	14°10	29°48	13°25	19°51	27°26	20°53	22°33	23°26	6°26	n.a.	T 4
F 5	4 25 55	6°49'03	9♉11	13°36	22°34	14°40	29°42	13°20	19°52	27°28	20°54	22°30	23°23	6°33	n.a.	F 5
S 6	4 29 52	7°50'16	21°27	14°32	23°20	15° 9	29°35	13°16	19°54	27°29	20°55	22°28	23°19	6°39	n.a.	S 6
S 7	4 33 48	8°51'30	3♊54	15°31	24° 8	15°39	29°28	13°12	19°55	27°30	20°57	22°27	23°16	6°46	n.a.	S 7
M 8	4 37 45	9°52'43	16°34	16°33	24°57	16°10	29°20	13° 8	19°57	27°31	20°58	22°D26	23°13	6°53	n.a.	M 8
T 9	4 41 42	10°53'55	29°27	17°38	25°46	16°40	29°13	13° 4	19°58	27°31	20°59	22°26	23°10	7° 0	n.a.	T 9
W10	4 45 38	11°55'07	12♋33	18°46	26°36	17°10	29° 6	13° 0	20° 0	27°32	21° 1	22°27	23° 7	7° 6	n.a.	W10
T 11	4 49 35	12°56'19	25°51	19°56	27°27	17°41	28°59	12°56	20° 2	27°33	21° 2	22°27	23° 4	7°13	n.a.	T 11
F 12	4 53 31	13°57'30	9♌23	21° 8	28°19	18°12	28°51	12°52	20° 4	27°34	21° 4	22°28	23° 0	7°20	n.a.	F 12
S 13	4 57 28	14°58'41	23° 6	22°21	29°11	18°43	28°43	12°48	20° 5	27°35	21° 5	22°29	22°57	7°27	n.a.	S 13
S 14	5 1 24	15°59'51	7♍ 0	23°37	0♏ 5	19°14	28°36	12°44	20° 7	27°36	21° 6	22°29	22°54	7°33	n.a.	S 14
M15	5 5 21	17° 1'01	21° 6	24°53	0°59	19°45	28°28	12°40	20° 9	27°36	21° 8	22°R29	22°51	7°40	n.a.	M15
T 16	5 9 18	18° 2'10	5♎20	26°12	1°53	20°17	28°20	12°37	20°11	27°37	21° 9	22°29	22°48	7°47	n.a.	T 16
W17	5 13 14	19° 3'19	19°41	27°31	2°48	20°48	28°13	12°33	20°13	27°38	21°11	22°29	22°44	7°53	n.a.	W17
T 18	5 17 11	20° 4'28	4♏ 5	28°52	3°44	21°20	28° 5	12°30	20°15	27°39	21°12	22°29	22°41	8° 0	n.a.	T 18
F 19	5 21 7	21° 5'35	18°28	0♐14	4°40	21°52	27°57	12°27	20°17	27°39	21°14	22°28	22°38	8° 7	n.a.	F 19
S 20	5 25 4	22° 6'42	2♐45	1°37	5°37	22°24	27°49	12°23	20°19	27°40	21°15	22°D28	22°35	8°14	n.a.	S 20
S 21	5 29 0	23° 7'49	16°51	3° 1	6°35	22°56	27°41	12°20	20°22	27°40	21°17	22°R28	22°32	8°20	n.a.	S 21
M22	5 32 57	24° 8'54	0♑43	4°25	7°33	23°28	27°33	12°17	20°24	27°41	21°18	22°28	22°29	8°27	n.a.	M22
T 23	5 36 54	25° 9'58	14°16	5°51	8°31	24° 1	27°25	12°14	20°26	27°41	21°20	22°28	22°25	8°34	n.a.	T 23
W24	5 40 50	26°11'01	27°30	7°17	9°30	24°33	27°17	12°11	20°28	27°42	21°22	22°28	22°22	8°40	n.a.	W24
T 25	5 44 47	27°12'03	10♒23	8°45	10°29	25° 6	27° 9	12° 8	20°31	27°42	21°23	22°27	22°19	8°47	n.a.	T 25
F 26	5 48 43	28°13'04	22°57	10°13	11°29	25°39	27° 1	12° 6	20°33	27°43	21°25	22°27	22°16	8°54	n.a.	F 26
S 27	5 52 40	29°14'03	5♓15	11°42	12°29	26°12	26°53	12° 3	20°35	27°43	21°26	22°26	22°13	9° 1	n.a.	S 27
S 28	5 56 36	0♑15'00	17°20	13°11	13°30	26°45	26°45	12° 1	20°38	27°43	21°28	22°25	22°10	9° 7	n.a.	S 28
M29	6 0 33	1°15'56	29°16	14°42	14°30	27°18	26°37	11°58	20°40	27°43	21°30	22°D25	22° 6	9°14	n.a.	M29
T 30	6 4 29	2°16'50	11♈ 9	16°13	15°32	27°51	26°29	11°56	20°43	27°44	21°31	22°25	22° 3	9°21	n.a.	T 30
W31	6 8 26	3♑17'43	23♈ 2	17♐45	16♏33	28♓24	26♊21	11♉54	20♒45	27♍44	21♑33	22♊26	22♊ 0	9♈27	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	21s 0	8s16	5s15	12s39	2n42	4s57	3n 4	7s11	0s20	24n 8	0n21	14n14	2s 1	15s49	0s46	2n48	1n54	32s33	10s32	23n34	23n37	2s 9			n.a.
T 2	21 12	3 25	5 10	12 56	2 36	5 9	3 8	6 59	0 18	24 8	0 22	14 13	2 1	15 49	0 46	2 47	1 54	32 32	10 32	23 34	23 37	2 6			n.a.
W 3	21 23	1n34	4 51	13 16	2 29	5 22	3 12	6 46	0 17	24 8	0 22	14 12	2 0	15 48	0 46	2 47	1 54	32 32	10 32	23 34	23 37	2 3			n.a.
T 4	21 35	6 33	4 20	13 37	2 22	5 35	3 16	6 33	0 15	24 9	0 22	14 11	2 0	15 48	0 46	2 47	1 54	32 31	10 32	23 34	23 37	2 0			n.a.
F 5	21 45	11 20	3 37	14 0	2 15	5 50	3 19	6 20	0 13	24 9	0 22	14 9	2 0	15 47	0 46	2 46	1 54	32 31	10 32	23 34	23 37	1 57			n.a.
S 6	21 55	15 45	2 43	14 24	2 7	6 4	3 22	6 6	0 12	24 9	0 22	14 8	2 0	15 47	0 46	2 46	1 55	32 31	10 32	23 34	23 36	1 55			n.a.
S 7	22 5	19 35	1 41	14 49	1 59	6 19	3 25	5 53	0 10	24 9	0 23	14 7	2 0	15 46	0 46	2 45	1 55	32 30	10 32	23 33	23 36	1 52			n.a.
M 8	22 15	22 33	0 32	15 15	1 51	6 35	3 27	5 40	0 9	24 9	0 23	14 6	1 59	15 45	0 46	2 45	1 55	32 30	10 31	23 33	23 36	1 49			n.a.
T 9	22 24	24 25	0n39	15 42	1 42	6 51	3 29	5 27	0 7	24 9	0 23	14 5	1 59	15 45	0 46	2 45	1 55	32 30	10 31	23 33	23 36	1 46			n.a.
W10	22 32	24 59	1 49	16 9	1 34	7 7	3 32	5 13	0 6	24 10	0 23	14 4	1 59	15 44	0 46	2 45	1 55	32 29	10 31	23 33	23 36	1 43			n.a.
T 11	22 40	24 8	2 55	16 36	1 25	7 24	3 33	5 0	0 4	24 10	0 23	14 3	1 59	15 44	0 46	2 44	1 55	32 29	10 31	23 34	23 36	1 40			n.a.
F 12	22 48	21 53	3 52	17 3	1 17	7 41	3 35	4 46	0 3	24 10	0 23	14 2	1 59	15 43	0 45	2 44	1 55	32 29	10 31	23 34	23 35	1 37			n.a.
S 13	22 55	18 21	4 36	17 31	1 8	7 58	3 36	4 33	0 1	24 10	0 24	14 1	1 58	15 43	0 45	2 44	1 55	32 28	10 31	23 34	23 35	1 34			n.a.
S 14	23 2	13 46	5 6	17 58	1 0	8 16	3 37	4 19	0 0	24 10	0 24	14 0	1 58	15 42	0 45	2 43	1 55	32 28	10 31	23 34	23 35	1 32			n.a.
M15	23 8	8 25	5 17	18 25	0 52	8 34	3 38	4 5	0n 1	24 10	0 24	13 59	1 58	15 41	0 45	2 43	1 55	32 28	10 31	23 34	23 35	1 29			n.a.
T 16	23 14	2 34	5 9	18 52	0 43	8 53	3 39	3 52	0 3	24 10	0 24	13 58	1 58	15 41	0 45	2 43	1 55	32 27	10 31	23 34	23 35	1 26			n.a.
W17	23 19	3s27	4 42	19 19	0 35	9 11	3 39	3 38	0 4	24 10	0 24	13 57	1 58	15 40	0 45	2 43	1 55	32 27	10 30	23 34	23 35	1 23			n.a.
T 18	23 24	9 20	3 57	19 45	0 27	9 30	3 40	3 24	0 5	24 10	0 24	13 57	1 57	15 39	0 45	2 43	1 55	32 27	10 30	23 34	23 34	1 20			n.a.
F 19	23 28	14 43	2 58	20 11	0 19	9 49	3 40	3 10	0 7	24 10	0 25	13 56	1 57	15 39	0 45	2 42	1 55	32 26	10 30	23 34	23 34	1 17			n.a.
S 20	23 32	19 15	1 47	20 36	0 11	10 8	3 40	2 56	0 8	24 10	0 25	13 55	1 57	15 38	0 45	2 42	1 55	32 26	10 30	23 34	23 34	1 14			n.a.
S 21	23 36	22 36	0 31	21 0	0 3	10 27	3 40	2 42	0 9	24 10	0 25	13 54	1 57	15 37	0 45	2 42	1 56	32 26	10 30	23 34	23 34	1 11			n.a.
M22	23 39	24 32	0s46	21 24	0s 4	10 46	3 39	2 28	0 10	24 10	0 25	13 54	1 56	15 36	0 45	2 42	1 56	32 25	10 30	23 34	23 34	1 8			n.a.
T 23	23 41	24 57	1 58	21 47	0 12	11 6	3 39	2 14	0 11	24 10	0 25	13 53	1 56	15 36	0 45	2 42	1 56	32 25	10 30	23 34	23 33	1 6			n.a.
W24	23 43	23 56	3 2	22 9	0 19	11 25	3 38	2 0	0 13	24 10	0 25	13 52	1 56	15 35	0 45	2 42	1 56	32 25	10 30	23 34	23 33	1 3			n.a.
T 25	23 45	21 39	3 56	22 30	0 26	11 44	3 37	1 46	0 14	24 10	0 25	13 52	1 56	15 34	0 45	2 42	1 56	32 24	10 30	23 34	23 33	1 0			n.a.
F 26	23 46	18 23	4 36	22 51	0 33	12 4	3 36	1 32	0 15	24 10	0 26	13 51	1 55	15 33	0 45	2 41	1 56	32 24	10 30	23 33	23 33	0 57			n.a.
S 27	23 46	14 24	5 3	23 10	0 40	12 24	3 35	1 17	0 16	24 10	0 26	13 50	1 55	15 32	0 45	2 41	1 56	32 24	10 30	23 33	23 33	0 54			n.a.
S 28	23 47	9 54	5 16	23 28	0 47	12 43	3 34	1 3	0 17	24 10	0 26	13 50	1 55	15 32	0 45	2 41	1 56	32 23	10 30	23 33	23 32	0 51			n.a.
M29	23 46	5 5	5 15	23 46	0 53	13 3	3 32	0 49	0 18	24 10	0 26	13 49	1 55	15 31	0 45	2 41	1 56	32 23	10 30	23 33	23 32	0 48			n.a.
T 30	23 45	0 7	5 0	24 2	0 59	13 22	3 31	0 35	0 19	24 10	0 26	13 49	1 54	15 30	0 45	2 41	1 56	32 23	10 30	23 33	23 32	0 45			n.a.
W31	23s44	4n51	4s33	24s17	1s 5	13s41	3n29	0s20	0n20	24n10	0n26	13n49	1s54	15s29	0s45	2n41	1n56	32s22	10s30	23n33	23n32	0s42			n.a.

Julian Day Number = 1473387.5, Delta T = 05h28m59s
Ecliptic obliquity = 23°46'38, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'08, Lahiri = -13°20'08 Julian Calendar 1 Dec. 680 BCE == Greg. Calendar 24 Nov. 680 BCE

The year -679 astronomical counting style corresponds to year 680 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

JANUARY 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 12 23	4♑18'35	5♉ 0	19♐18	17♏35	28♓58	26°R13	11°R52	20♒48	27♍44	21♑35	22♊27	21♊57	9♈34	n.a.	T 1
F 2	6 16 19	5°19'24	17° 8	20°51	18°38	29°31	26♊ 5	11♉50	20°50	27°44	21°36	22°28	21°54	9°41	n.a.	F 2
S 3	6 20 16	6°20'13	29°30	22°25	19°40	0♈ 5	25°57	11°48	20°53	27°44	21°38	22°29	21°50	9°48	n.a.	S 3
S 4	6 24 12	7°20'59	12♊ 8	24° 0	20°43	0°38	25°50	11°46	20°56	27°44	21°40	22°30	21°47	9°54	n.a.	S 4
M 5	6 28 9	8°21'44	25° 3	25°36	21°47	1°12	25°42	11°45	20°58	27°44	21°41	22°R30	21°44	10° 1	n.a.	M 5
T 6	6 32 5	9°22'28	8♋17	27°12	22°50	1°46	25°34	11°43	21° 1	27°R44	21°43	22°30	21°41	10° 8	n.a.	T 6
W 7	6 36 2	10°23'10	21°49	28°50	23°54	2°20	25°27	11°42	21° 4	27°44	21°45	22°28	21°38	10°15	n.a.	W 7
T 8	6 39 58	11°23'51	5♌35	0♑28	24°58	2°54	25°19	11°40	21° 7	27°44	21°46	22°26	21°35	10°21	n.a.	T 8
F 9	6 43 55	12°24'30	19°34	2° 7	26° 3	3°28	25°12	11°39	21°10	27°44	21°48	22°23	21°31	10°28	n.a.	F 9
S 10	6 47 52	13°25'07	3♍42	3°47	27° 7	4° 2	25° 5	11°38	21°12	27°44	21°50	22°20	21°28	10°35	n.a.	S 10
S 11	6 51 48	14°25'43	17°55	5°27	28°12	4°36	24°57	11°37	21°15	27°44	21°51	22°18	21°25	10°41	n.a.	S 11
M12	6 55 45	15°26'18	2♎ 8	7° 9	29°17	5°11	24°50	11°36	21°18	27°44	21°53	22°16	21°22	10°48	n.a.	M12
T 13	6 59 41	16°26'52	16°21	8°51	0♐23	5°45	24°43	11°36	21°21	27°43	21°55	22°D15	21°19	10°55	n.a.	T 13
W14	7 3 38	17°27'24	0♏29	10°34	1°28	6°19	24°36	11°35	21°24	27°43	21°56	22°16	21°16	11° 2	n.a.	W14
T 15	7 7 34	18°27'54	14°32	12°19	2°34	6°54	24°29	11°34	21°27	27°43	21°58	22°17	21°12	11° 8	n.a.	T 15
F 16	7 11 31	19°28'24	28°28	14° 4	3°40	7°28	24°23	11°34	21°30	27°43	22° 0	22°19	21° 9	11°15	n.a.	F 16
S 17	7 15 27	20°28'52	12♐16	15°50	4°46	8° 3	24°16	11°34	21°33	27°42	22° 2	22°20	21° 6	11°22	n.a.	S 17
S 18	7 19 24	21°29'18	25°54	17°37	5°53	8°38	24°10	11°33	21°36	27°42	22° 3	22°R20	21° 3	11°28	n.a.	S 18
M19	7 23 21	22°29'42	9♑20	19°25	6°59	9°13	24° 3	11°D33	21°39	27°41	22° 5	22°19	21° 0	11°35	n.a.	M19
T 20	7 27 17	23°30'05	22°34	21°14	8° 6	9°47	23°57	11°33	21°42	27°41	22° 7	22°16	20°56	11°42	n.a.	T 20
W21	7 31 14	24°30'26	5♒33	23° 3	9°13	10°22	23°51	11°34	21°45	27°40	22° 8	22°12	20°53	11°49	n.a.	W21
T 22	7 35 10	25°30'45	18°18	24°54	10°20	10°57	23°45	11°34	21°49	27°40	22°10	22° 6	20°50	11°55	n.a.	T 22
F 23	7 39 7	26°31'02	0♓48	26°46	11°27	11°32	23°40	11°34	21°52	27°39	22°12	22° 0	20°47	12° 2	n.a.	F 23
S 24	7 43 3	27°31'17	13° 4	28°38	12°35	12° 7	23°34	11°35	21°55	27°39	22°14	21°54	20°44	12° 9	n.a.	S 24
S 25	7 47 0	28°31'29	25° 9	0♒31	13°42	12°42	23°28	11°35	21°58	27°38	22°15	21°48	20°41	12°15	n.a.	S 25
M26	7 50 56	29°31'39	7♈ 5	2°25	14°50	13°18	23°23	11°36	22° 1	27°38	22°17	21°44	20°37	12°22	n.a.	M26
T 27	7 54 53	0♒31'48	18°57	4°20	15°58	13°53	23°18	11°37	22° 5	27°37	22°19	21°42	20°34	12°29	n.a.	T 27
W28	7 58 50	1°31'54	0♉49	6°15	17° 6	14°28	23°13	11°38	22° 8	27°36	22°20	21°D41	20°31	12°36	n.a.	W28
T 29	8 2 46	2°31'57	12°46	8°11	18°14	15° 3	23° 8	11°39	22°11	27°35	22°22	21°41	20°28	12°42	n.a.	T 29
F 30	8 6 43	3°31'59	24°53	10° 7	19°22	15°39	23° 4	11°40	22°14	27°35	22°24	21°43	20°25	12°49	n.a.	F 30
S 31	8 10 39	4♒31'58	7♊15	12♒ 3	20♐30	16♈14	22♊59	11♉42	22♒18	27♍34	22♑26	21♊44	20♊22	12♈56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s42	9n42	3 s54	24 s31	1 s11	14 s 1	3n27	0 s 6	0n21	24n10	0n26	13n48	1 s54	15 s28	0 s45	2n41	1n56	32 s22	10 s30	23n34	23n32	0 s39			n.a.
F 2	23 40	14 16	3 3	24 43	1 16	14 20	3 25	0n 9	0 22	24 10	0 27	13 48	1 54	15 27	0 45	2 41	1 56	32 22	10 30	23 34	23 32	0 36			n.a.
S 3	23 37	18 19	2 4	24 55	1 21	14 39	3 23	0 23	0 23	24 10	0 27	13 48	1 53	15 27	0 45	2 41	1 56	32 21	10 29	23 34	23 31	0 34			n.a.
S 4	23 34	21 37	0 57	25 5	1 26	14 58	3 21	0 38	0 24	24 9	0 27	13 47	1 53	15 26	0 45	2 41	1 56	32 21	10 29	23 34	23 31	0 31			n.a.
M 5	23 31	23 55	0n14	25 13	1 31	15 16	3 18	0 52	0 25	24 9	0 27	13 47	1 53	15 25	0 45	2 41	1 57	32 21	10 29	23 34	23 31	0 28			n.a.
T 6	23 26	24 57	1 26	25 20	1 35	15 35	3 16	1 7	0 26	24 9	0 27	13 47	1 53	15 24	0 45	2 41	1 57	32 20	10 29	23 34	23 31	0 25			n.a.
W 7	23 22	24 32	2 35	25 26	1 39	15 53	3 13	1 21	0 27	24 9	0 27	13 47	1 52	15 23	0 45	2 41	1 57	32 20	10 29	23 34	23 31	0 22			n.a.
T 8	23 17	22 37	3 36	25 30	1 43	16 12	3 11	1 36	0 28	24 9	0 27	13 46	1 52	15 22	0 45	2 42	1 57	32 20	10 29	23 33	23 30	0 19			n.a.
F 9	23 11	19 20	4 25	25 32	1 47	16 30	3 8	1 50	0 29	24 9	0 27	13 46	1 52	15 21	0 45	2 42	1 57	32 19	10 29	23 33	23 30	0 16			n.a.
S 10	23 5	14 54	4 58	25 33	1 50	16 47	3 5	2 5	0 30	24 9	0 28	13 46	1 52	15 20	0 45	2 42	1 57	32 19	10 29	23 33	23 30	0 13			n.a.
S 11	22 59	9 38	5 14	25 32	1 53	17 5	3 2	2 19	0 30	24 8	0 28	13 46	1 51	15 19	0 45	2 42	1 57	32 19	10 29	23 33	23 30	0 10			n.a.
M12	22 52	3 52	5 10	25 30	1 55	17 22	2 59	2 34	0 31	24 8	0 28	13 46	1 51	15 18	0 45	2 42	1 57	32 19	10 29	23 33	23 29	0 7			n.a.
T 13	22 45	2 s 6	4 47	25 25	1 57	17 39	2 56	2 48	0 32	24 8	0 28	13 46	1 51	15 17	0 45	2 42	1 57	32 18	10 30	23 33	23 29	0 4			n.a.
W14	22 37	7 57	4 7	25 19	1 59	17 55	2 53	3 3	0 33	24 8	0 28	13 46	1 50	15 16	0 45	2 42	1 57	32 18	10 30	23 33	23 29	0 2			n.a.
T 15	22 29	13 21	3 13	25 11	2 0	18 12	2 50	3 17	0 34	24 8	0 28	13 46	1 50	15 15	0 45	2 43	1 57	32 18	10 30	23 33	23 29	0n 1			n.a.
F 16	22 20	18 2	2 7	25 2	2 1	18 27	2 47	3 32	0 35	24 8	0 28	13 47	1 50	15 14	0 45	2 43	1 57	32 18	10 30	23 33	23 29	0 4			n.a.
S 17	22 11	21 40	0 55	24 50	2 1	18 43	2 43	3 47	0 35	24 7	0 28	13 47	1 50	15 13	0 45	2 43	1 57	32 17	10 30	23 33	23 28	0 7			n.a.
S 18	22 2	24 2	0 s19	24 36	2 1	18 58	2 40	4 1	0 36	24 7	0 28	13 47	1 49	15 12	0 45	2 43	1 57	32 17	10 30	23 33	23 28	0 10			n.a.
M19	21 52	24 58	1 32	24 21	2 1	19 13	2 36	4 16	0 37	24 7	0 28	13 47	1 49	15 11	0 44	2 43	1 58	32 17	10 30	23 33	23 28	0 13			n.a.
T 20	21 42	24 27	2 38	24 3	2 0	19 27	2 33	4 30	0 38	24 7	0 29	13 47	1 49	15 10	0 44	2 44	1 58	32 16	10 30	23 33	23 28	0 16			n.a.
W21	21 31	22 36	3 34	23 43	1 58	19 41	2 29	4 45	0 38	24 7	0 29	13 48	1 48	15 9	0 44	2 44	1 58	32 16	10 30	23 33	23 28	0 19			n.a.
T 22	21 20	19 39	4 19	23 22	1 56	19 55	2 26	4 59	0 39	24 6	0 29	13 48	1 48	15 8	0 44	2 44	1 58	32 16	10 30	23 32	23 27	0 22			n.a.
F 23	21 9	15 51	4 50	22 58	1 54	20 8	2 22	5 14	0 40	24 6	0 29	13 49	1 48	15 7	0 44	2 44	1 58	32 16	10 30	23 32	23 27	0 25			n.a.
S 24	20 57	11 27	5 7	22 32	1 51	20 20	2 18	5 29	0 40	24 6	0 29	13 49	1 48	15 6	0 44	2 45	1 58	32 16	10 30	23 32	23 27	0 28			n.a.
S 25	20 45	6 41	5 10	22 4	1 47	20 33	2 14	5 43	0 41	24 6	0 29	13 49	1 47	15 5	0 44	2 45	1 58	32 15	10 30	23 31	23 27	0 31			n.a.
M26	20 32	1 44	5 0	21 34	1 43	20 44	2 11	5 58	0 42	24 6	0 29	13 50	1 47	15 4	0 44	2 45	1 58	32 15	10 30	23 31	23 26	0 34			n.a.
T 27	20 19	3n16	4 36	21 2	1 38	20 55	2 7	6 12	0 42	24 5	0 29	13 50	1 47	15 3	0 44	2 46	1 58	32 15	10 30	23 31	23 26	0 37			n.a.
W28	20 6	8 9	4 1	20 28	1 33	21 6	2 3	6 26	0 43	24 5	0 29	13 51	1 47	15 2	0 44	2 46	1 58	32 15	10 30	23 31	23 26	0 40			n.a.
T 29	19 52	12 47	3 16	19 52	1 27	21 16	1 59	6 41	0 44	24 5	0 29	13 52	1 46	15 1	0 44	2 46	1 58	32 14	10 30	23 31	23 26	0 42			n.a.
F 30	19 38	16 59	2 20	19 14	1 20	21 26	1 55	6 55	0 44	24 5	0 29	13 52	1 46	15 0	0 44	2 47	1 58	32 14	10 31	23 31	23 26	0 45			n.a.
S 31	19 s24	20n33	1 s18	18 s35	1 s13	21 s35	1n51	7n10	0n45	24n 5	0n29	13n53	1 s46	14 s58	0 s44	2n47	1n58	32 s14	10 s31	23n31	23n25	0n48			n.a.

Julian Day Number = 1473418.5, Delta T = 05h28m58s
Ecliptic obliquity = 23°46'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'04, Lahiri = -13°20'03 Julian Calendar 1 Jan. 679 BCE == Greg. Calendar 25 Dec. 680 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

FEBRUARY 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 14 36	5♒31'55	19♊56	14♒ 0	21♐39	16♈49	22°R55	11♉43	22♒21	27°R33	22♏27	21°R45	20♊18	13♈ 2	n.a.	S 1
M 2	8 18 32	6°31'50	3♋ 0	15°55	22°47	17°25	22♊51	11°45	22°24	27♍32	22°29	21♊45	20°15	13° 9	n.a.	M 2
T 3	8 22 29	7°31'42	16°28	17°51	23°56	18° 0	22°47	11°46	22°28	27°31	22°31	21°42	20°12	13°16	n.a.	T 3
W 4	8 26 25	8°31'33	0♌20	19°45	25° 4	18°36	22°43	11°48	22°31	27°30	22°32	21°37	20° 9	13°23	n.a.	W 4
T 5	8 30 22	9°31'21	14°32	21°38	26°13	19°12	22°39	11°50	22°34	27°29	22°34	21°31	20° 6	13°29	n.a.	T 5
F 6	8 34 19	10°31'07	29° 0	23°30	27°22	19°47	22°36	11°52	22°38	27°28	22°36	21°23	20° 2	13°36	n.a.	F 6
S 7	8 38 15	11°30'51	13♍37	25°19	28°31	20°23	22°33	11°54	22°41	27°27	22°37	21°15	19°59	13°43	n.a.	S 7
S 8	8 42 12	12°30'33	28°16	27° 6	29°41	20°59	22°30	11°56	22°44	27°26	22°39	21° 8	19°56	13°49	n.a.	S 8
M 9	8 46 8	13°30'13	12♎50	28°50	0♏50	21°34	22°27	11°58	22°48	27°25	22°40	21° 2	19°53	13°56	n.a.	M 9
T 10	8 50 5	14°29'51	27°14	0♓30	1°59	22°10	22°24	12° 1	22°51	27°24	22°42	20°59	19°50	14° 3	n.a.	T 10
W11	8 54 1	15°29'28	11♏25	2° 7	3° 9	22°46	22°22	12° 3	22°55	27°23	22°44	20°D57	19°47	14°10	n.a.	W11
T 12	8 57 58	16°29'02	25°20	3°39	4°18	23°22	22°19	12° 6	22°58	27°22	22°45	20°57	19°43	14°16	n.a.	T 12
F 13	9 1 54	17°28'35	9♐ 1	5° 6	5°28	23°57	22°17	12° 8	23° 1	27°21	22°47	20°58	19°40	14°23	n.a.	F 13
S 14	9 5 51	18°28'06	22°28	6°28	6°37	24°33	22°15	12°11	23° 5	27°20	22°48	20°R59	19°37	14°30	n.a.	S 14
S 15	9 9 47	19°27'35	5♑43	7°44	7°47	25° 9	22°13	12°14	23° 8	27°19	22°50	20°58	19°34	14°36	n.a.	S 15
M16	9 13 44	20°27'02	18°45	8°54	8°57	25°45	22°12	12°17	23°12	27°17	22°52	20°54	19°31	14°43	n.a.	M16
T 17	9 17 41	21°26'27	1♒37	9°58	10° 7	26°21	22°11	12°20	23°15	27°16	22°53	20°48	19°28	14°50	n.a.	T 17
W18	9 21 37	22°25'50	14°17	10°55	11°17	26°57	22° 9	12°23	23°18	27°15	22°55	20°40	19°24	14°57	n.a.	W18
T 19	9 25 34	23°25'11	26°47	11°45	12°27	27°33	22° 8	12°27	23°22	27°14	22°56	20°29	19°21	15° 3	n.a.	T 19
F 20	9 29 30	24°24'30	9♓ 7	12°27	13°37	28° 9	22° 8	12°30	23°25	27°12	22°58	20°17	19°18	15°10	n.a.	F 20
S 21	9 33 27	25°23'46	21°16	13° 2	14°47	28°45	22° 7	12°34	23°29	27°11	22°59	20° 5	19°15	15°17	n.a.	S 21
S 22	9 37 23	26°23'00	3♈17	13°30	15°57	29°21	22° 7	12°37	23°32	27°10	23° 1	19°53	19°12	15°23	n.a.	S 22
M23	9 41 20	27°22'12	15°11	13°50	17° 8	29°57	22° 6	12°41	23°36	27° 8	23° 2	19°44	19° 8	15°30	n.a.	M23
T 24	9 45 16	28°21'21	27° 1	14° 2	18°18	0♉34	22°D 6	12°45	23°39	27° 7	23° 4	19°37	19° 5	15°37	n.a.	T 24
W25	9 49 13	29°20'28	8♉52	14°R 7	19°28	1°10	22° 7	12°49	23°42	27° 6	23° 5	19°32	19° 2	15°43	n.a.	W25
T 26	9 53 10	0♓19'33	20°46	14° 5	20°39	1°46	22° 7	12°53	23°46	27° 4	23° 6	19°30	18°59	15°50	n.a.	T 26
F 27	9 57 6	1°18'35	2♊50	13°56	21°49	2°22	22° 7	12°57	23°49	27° 3	23° 8	19°D30	18°56	15°57	n.a.	F 27
S 28	10 1 3	2♓17'35	15♊10	13♓40	23♑ 0	2♉58	22♊ 8	13♉ 1	23♒53	27♍ 1	23♑ 9	19°R30	18♊53	16♈ 4	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s 9	23n14	0s10	17s53	1s 5	21s44	1n47	7n24	0n46	24n 5	0n30	13n54	1s45	14s57	0s44	2n48	1n58	32s14	10s31	23n31	23n25	0n51			n.a.
M 2	18 54	24 45	1n 0	17 11	0 56	21 52	1 43	7 38	0 46	24 4	0 30	13 54	1 45	14 56	0 44	2 48	1 58	32 14	10 31	23 31	23 25	0 54			n.a.
T 3	18 39	24 53	2 9	16 26	0 47	21 59	1 39	7 53	0 47	24 4	0 30	13 55	1 45	14 55	0 44	2 48	1 58	32 13	10 31	23 31	23 25	0 57			n.a.
W 4	18 23	23 30	3 13	15 41	0 37	22 6	1 35	8 7	0 47	24 4	0 30	13 56	1 45	14 54	0 44	2 49	1 58	32 13	10 31	23 30	23 24	1 0			n.a.
T 5	18 7	20 37	4 6	14 54	0 26	22 12	1 31	8 21	0 48	24 4	0 30	13 57	1 44	14 53	0 44	2 49	1 59	32 13	10 31	23 30	23 24	1 3			n.a.
F 6	17 51	16 24	4 44	14 7	0 15	22 18	1 27	8 35	0 48	24 4	0 30	13 58	1 44	14 52	0 44	2 50	1 59	32 13	10 31	23 30	23 24	1 6			n.a.
S 7	17 34	11 11	5 4	13 19	0 3	22 23	1 23	8 50	0 49	24 4	0 30	13 58	1 44	14 51	0 44	2 50	1 59	32 13	10 31	23 29	23 24	1 9			n.a.
S 8	17 17	5 20	5 4	12 31	0n 9	22 28	1 19	9 4	0 50	24 4	0 30	13 59	1 44	14 49	0 44	2 51	1 59	32 13	10 32	23 29	23 23	1 12			n.a.
M 9	17 0	0s47	4 45	11 43	0 22	22 32	1 15	9 18	0 50	24 3	0 30	14 0	1 43	14 48	0 44	2 51	1 59	32 12	10 32	23 28	23 23	1 15			n.a.
T 10	16 43	6 47	4 8	10 55	0 34	22 35	1 11	9 32	0 51	24 3	0 30	14 1	1 43	14 47	0 44	2 51	1 59	32 12	10 32	23 28	23 23	1 18			n.a.
W11	16 25	12 22	3 16	10 8	0 48	22 38	1 7	9 46	0 51	24 3	0 30	14 2	1 43	14 46	0 44	2 52	1 59	32 12	10 32	23 28	23 23	1 21			n.a.
T 12	16 7	17 13	2 13	9 22	1 1	22 40	1 3	10 0	0 52	24 3	0 30	14 3	1 42	14 45	0 44	2 52	1 59	32 12	10 32	23 28	23 22	1 24			n.a.
F 13	15 49	21 4	1 4	8 37	1 15	22 41	0 59	10 14	0 52	24 3	0 30	14 5	1 42	14 44	0 44	2 53	1 59	32 12	10 32	23 28	23 22	1 27			n.a.
S 14	15 30	23 42	0s 8	7 54	1 28	22 42	0 55	10 28	0 53	24 3	0 30	14 6	1 42	14 43	0 44	2 53	1 59	32 12	10 33	23 28	23 22	1 30			n.a.
S 15	15 12	24 57	1 18	7 13	1 42	22 42	0 51	10 41	0 53	24 3	0 30	14 7	1 42	14 42	0 44	2 54	1 59	32 12	10 33	23 28	23 22	1 33			n.a.
M16	14 53	24 48	2 23	6 34	1 55	22 42	0 47	10 55	0 54	24 3	0 30	14 8	1 41	14 40	0 44	2 55	1 59	32 11	10 33	23 28	23 21	1 36			n.a.
T 17	14 33	23 19	3 19	5 58	2 8	22 41	0 43	11 9	0 54	24 3	0 30	14 9	1 41	14 39	0 44	2 55	1 59	32 11	10 33	23 27	23 21	1 38			n.a.
W18	14 14	20 40	4 4	5 25	2 20	22 39	0 39	11 23	0 55	24 3	0 30	14 10	1 41	14 38	0 44	2 56	1 59	32 11	10 33	23 27	23 21	1 41			n.a.
T 19	13 54	17 5	4 37	4 55	2 32	22 36	0 35	11 36	0 55	24 3	0 30	14 12	1 41	14 37	0 44	2 56	1 59	32 11	10 33	23 26	23 21	1 44			n.a.
F 20	13 34	12 50	4 57	4 28	2 43	22 33	0 31	11 50	0 55	24 3	0 30	14 13	1 40	14 36	0 44	2 57	1 59	32 11	10 34	23 25	23 20	1 47			n.a.
S 21	13 14	8 7	5 2	4 5	2 54	22 30	0 27	12 3	0 56	24 3	0 31	14 14	1 40	14 35	0 44	2 57	1 59	32 11	10 34	23 24	23 20	1 50			n.a.
S 22	12 54	3 10	4 54	3 46	3 3	22 25	0 23	12 17	0 56	24 3	0 31	14 16	1 40	14 34	0 44	2 58	1 59	32 11	10 34	23 23	23 20	1 53			n.a.
M23	12 33	1n52	4 33	3 30	3 12	22 20	0 19	12 30	0 57	24 3	0 31	14 17	1 40	14 32	0 44	2 58	1 59	32 11	10 34	23 22	23 20	1 56			n.a.
T 24	12 13	6 49	4 1	3 19	3 19	22 15	0 16	12 43	0 57	24 3	0 31	14 18	1 39	14 31	0 44	2 59	1 59	32 11	10 34	23 22	23 19	1 59			n.a.
W25	11 52	11 32	3 18	3 11	3 25	22 9	0 12	12 56	0 58	24 3	0 31	14 20	1 39	14 30	0 44	3 0	1 59	32 11	10 35	23 22	23 19	2 2			n.a.
T 26	11 31	15 51	2 26	3 7	3 30	22 2	0 8	13 10	0 58	24 3	0 31	14 21	1 39	14 29	0 44	3 0	2 0	32 11	10 35	23 21	23 19	2 5			n.a.
F 27	11 10	19 36	1 27	3 8	3 33	21 54	0 5	13 23	0 58	24 3	0 31	14 23	1 39	14 28	0 44	3 1	2 0	32 11	10 35	23 21	23 19	2 8			n.a.
S 28	10s48	22n33	0s23	3s12	3n35	21s46	0n 1	13n36	0n59	24n 3	0n31	14n24	1s38	14s27	0s44	3n 1	2n 0	32s11	10s35	23n21	23n18	2n11			n.a.

Julian Day Number = 1473449.5, Delta T = 05h28m56s
Ecliptic obliquity = 23°46'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°27'00, Lahiri = -13°19'59 Julian Calendar 1 Feb. 679 BCE == Greg. Calendar 25 Jan. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

MARCH 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 4 59	3♓16'32	27♊49	13°R18	24♑10	3♉35	22♊ 9	13♉ 5	23♒56	27°R 0	23♑11	19°R30	18♊49	16♈10	n.a.	S 1
M 2	10 8 56	4°15'27	10♋52	12♓51	25°21	4°11	22°10	13°10	23°59	26♍58	23°12	19♊28	18°46	16°17	n.a.	M 2
T 3	10 12 52	5°14'20	24°24	12°18	26°32	4°47	22°12	13°14	24° 3	26°57	23°13	19°24	18°43	16°24	n.a.	T 3
W 4	10 16 49	6°13'10	8♌23	11°41	27°43	5°24	22°13	13°18	24° 6	26°56	23°15	19°18	18°40	16°30	n.a.	W 4
T 5	10 20 45	7°11'58	22°50	11° 1	28°53	6° 0	22°15	13°23	24° 9	26°54	23°16	19° 9	18°37	16°37	n.a.	T 5
F 6	10 24 42	8°10'43	7♍37	10°17	0♒ 4	6°36	22°17	13°28	24°13	26°52	23°17	18°58	18°33	16°44	n.a.	F 6
S 7	10 28 38	9° 9'27	22°38	9°32	1°15	7°13	22°19	13°32	24°16	26°51	23°19	18°47	18°30	16°51	n.a.	S 7
S 8	10 32 35	10° 8'08	7♎42	8°46	2°26	7°49	22°21	13°37	24°19	26°49	23°20	18°37	18°27	16°57	n.a.	S 8
M 9	10 36 32	11° 6'48	22°40	8° 0	3°37	8°25	22°23	13°42	24°23	26°48	23°21	18°28	18°24	17° 4	n.a.	M 9
T 10	10 40 28	12° 5'26	7♏23	7°15	4°48	9° 2	22°26	13°47	24°26	26°46	23°22	18°22	18°21	17°11	n.a.	T 10
W11	10 44 25	13° 4'02	21°46	6°31	5°59	9°38	22°29	13°52	24°29	26°45	23°24	18°19	18°18	17°17	n.a.	W11
T 12	10 48 21	14° 2'36	5♐47	5°50	7°10	10°15	22°32	13°58	24°33	26°43	23°25	18°18	18°14	17°24	n.a.	T 12
F 13	10 52 18	15° 1'09	19°26	5°12	8°21	10°51	22°35	14° 3	24°36	26°42	23°26	18°18	18°11	17°31	n.a.	F 13
S 14	10 56 14	15°59'39	2♑46	4°37	9°32	11°28	22°38	14° 8	24°39	26°40	23°27	18°18	18° 8	17°37	n.a.	S 14
S 15	11 0 11	16°58'09	15°47	4° 7	10°44	12° 4	22°42	14°13	24°42	26°38	23°28	18°16	18° 5	17°44	n.a.	S 15
M16	11 4 7	17°56'36	28°34	3°40	11°55	12°41	22°45	14°19	24°46	26°37	23°29	18°12	18° 2	17°51	n.a.	M16
T 17	11 8 4	18°55'01	11♒ 8	3°19	13° 6	13°17	22°49	14°24	24°49	26°35	23°31	18° 4	17°59	17°58	n.a.	T 17
W18	11 12 1	19°53'25	23°32	3° 2	14°17	13°54	22°53	14°30	24°52	26°34	23°32	17°54	17°55	18° 4	n.a.	W18
T 19	11 15 57	20°51'47	5♓48	2°50	15°29	14°30	22°57	14°36	24°55	26°32	23°33	17°42	17°52	18°11	n.a.	T 19
F 20	11 19 54	21°50'07	17°55	2°43	16°40	15° 7	23° 2	14°41	24°58	26°30	23°34	17°28	17°49	18°18	n.a.	F 20
S 21	11 23 50	22°48'25	29°56	2°D42	17°52	15°43	23° 6	14°47	25° 1	26°29	23°35	17°14	17°46	18°24	n.a.	S 21
S 22	11 27 47	23°46'41	11♈51	2°45	19° 3	16°20	23°11	14°53	25° 5	26°27	23°36	17° 1	17°43	18°31	n.a.	S 22
M23	11 31 43	24°44'55	23°42	2°53	20°14	16°57	23°15	14°59	25° 8	26°25	23°37	16°49	17°39	18°38	n.a.	M23
T 24	11 35 40	25°43'07	5♉32	3° 6	21°26	17°33	23°20	15° 5	25°11	26°24	23°38	16°41	17°36	18°45	n.a.	T 24
W25	11 39 36	26°41'17	17°22	3°24	22°37	18°10	23°26	15°11	25°14	26°22	23°39	16°35	17°33	18°51	n.a.	W25
T 26	11 43 33	27°39'25	29°16	3°46	23°49	18°46	23°31	15°17	25°17	26°21	23°39	16°32	17°30	18°58	n.a.	T 26
F 27	11 47 29	28°37'31	11♊19	4°13	25° 1	19°23	23°36	15°24	25°20	26°19	23°40	16°31	17°27	19° 5	n.a.	F 27
S 28	11 51 26	29°35'35	23°36	4°44	26°12	20° 0	23°42	15°30	25°23	26°17	23°41	16°31	17°24	19°11	n.a.	S 28
S 29	11 55 23	0♈33'37	6♋12	5°18	27°24	20°36	23°48	15°36	25°26	26°16	23°42	16°31	17°20	19°18	n.a.	S 29
M30	11 59 19	1°31'37	19°11	5°57	28°35	21°13	23°54	15°42	25°29	26°14	23°43	16°30	17°17	19°25	n.a.	M30
T 31	12 3 16	2♈29'35	2♌39	6♓40	29♒47	21♉50	24♊ 0	15♉49	25♒31	26♍12	23♑44	16♊26	17♊14	19♈31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	10s27	24n29	0n44	3s20	3n35	21s37	0s 3	13n49	0n59	24n 3	0n31	14n26	1s38	14s26	0s44	3n 2	2n 0	32s11	10s35	23n21	23n18	2n14			n.a.
M 2	10 5	25 10	1 51	3 32	3 34	21 28	0 6	14 1	0 59	24 3	0 31	14 27	1 38	14 24	0 44	3 3	2 0	32 10	10 36	23 21	23 18	2 17			n.a.
T 3	9 43	24 23	2 54	3 48	3 31	21 18	0 10	14 14	1 0	24 3	0 31	14 29	1 38	14 23	0 44	3 3	2 0	32 10	10 36	23 21	23 17	2 20			n.a.
W 4	9 21	22 5	3 48	4 6	3 26	21 7	0 13	14 27	1 0	24 4	0 31	14 30	1 37	14 22	0 44	3 4	2 0	32 10	10 36	23 20	23 17	2 23			n.a.
T 5	8 59	18 20	4 30	4 28	3 20	20 56	0 16	14 40	1 1	24 4	0 31	14 32	1 37	14 21	0 44	3 5	2 0	32 10	10 36	23 20	23 17	2 26			n.a.
F 6	8 37	13 22	4 55	4 52	3 12	20 45	0 20	14 52	1 1	24 4	0 31	14 34	1 37	14 20	0 44	3 5	2 0	32 10	10 37	23 19	23 17	2 29			n.a.
S 7	8 15	7 32	5 0	5 18	3 2	20 32	0 23	15 5	1 1	24 4	0 31	14 35	1 37	14 19	0 44	3 6	2 0	32 10	10 37	23 18	23 16	2 32			n.a.
S 8	7 52	1 15	4 44	5 45	2 51	20 19	0 26	15 17	1 2	24 4	0 31	14 37	1 36	14 18	0 44	3 6	2 0	32 10	10 37	23 17	23 16	2 35			n.a.
M 9	7 30	5s 5	4 9	6 14	2 39	20 6	0 29	15 29	1 2	24 4	0 31	14 39	1 36	14 17	0 44	3 7	2 0	32 10	10 37	23 16	23 16	2 38			n.a.
T 10	7 7	11 3	3 18	6 43	2 26	19 52	0 32	15 41	1 2	24 4	0 31	14 40	1 36	14 15	0 44	3 8	2 0	32 10	10 38	23 16	23 15	2 41			n.a.
W11	6 45	16 17	2 15	7 12	2 12	19 37	0 36	15 53	1 3	24 5	0 31	14 42	1 36	14 14	0 44	3 8	2 0	32 10	10 38	23 15	23 15	2 44			n.a.
T 12	6 22	20 30	1 6	7 42	1 57	19 22	0 39	16 6	1 3	24 5	0 31	14 44	1 36	14 13	0 44	3 9	2 0	32 10	10 38	23 15	23 15	2 47			n.a.
F 13	5 59	23 27	0s 6	8 10	1 41	19 6	0 41	16 17	1 3	24 5	0 31	14 46	1 35	14 12	0 44	3 10	2 0	32 11	10 38	23 15	23 15	2 50			n.a.
S 14	5 36	25 0	1 16	8 38	1 26	18 50	0 44	16 29	1 3	24 5	0 31	14 48	1 35	14 11	0 44	3 10	2 0	32 11	10 39	23 15	23 14	2 53			n.a.
S 15	5 13	25 8	2 20	9 4	1 9	18 33	0 47	16 41	1 4	24 6	0 31	14 49	1 35	14 10	0 44	3 11	2 0	32 11	10 39	23 15	23 14	2 56			n.a.
M16	4 50	23 55	3 15	9 28	0 53	18 15	0 50	16 53	1 4	24 6	0 31	14 51	1 35	14 9	0 44	3 12	2 0	32 11	10 39	23 15	23 14	2 59			n.a.
T 17	4 27	21 31	4 0	9 51	0 37	17 58	0 53	17 4	1 4	24 6	0 31	14 53	1 35	14 8	0 44	3 12	2 0	32 11	10 39	23 14	23 13	3 2			n.a.
W18	4 4	18 9	4 33	10 12	0 21	17 39	0 55	17 16	1 5	24 6	0 31	14 55	1 34	14 7	0 44	3 13	2 0	32 11	10 40	23 13	23 13	3 5			n.a.
T 19	3 40	14 3	4 53	10 31	0 6	17 20	0 58	17 27	1 5	24 6	0 31	14 57	1 34	14 6	0 44	3 14	2 0	32 11	10 40	23 12	23 13	3 8			n.a.
F 20	3 17	9 25	4 59	10 47	0s 9	17 1	1 0	17 38	1 5	24 7	0 31	14 59	1 34	14 5	0 44	3 14	2 0	32 11	10 40	23 11	23 13	3 10			n.a.
S 21	2 54	4 29	4 52	11 2	0 24	16 41	1 3	17 49	1 5	24 7	0 31	15 1	1 34	14 4	0 44	3 15	2 0	32 11	10 40	23 9	23 12	3 13			n.a.
S 22	2 30	0n35	4 32	11 14	0 38	16 21	1 5	18 0	1 6	24 7	0 31	15 3	1 33	14 3	0 45	3 16	2 0	32 11	10 41	23 8	23 12	3 16			n.a.
M23	2 7	5 36	4 1	11 23	0 51	16 0	1 7	18 11	1 6	24 8	0 31	15 5	1 33	14 2	0 45	3 16	2 0	32 11	10 41	23 7	23 12	3 19			n.a.
T 24	1 43	10 26	3 19	11 30	1 4	15 39	1 9	18 22	1 6	24 8	0 31	15 6	1 33	14 1	0 45	3 17	2 0	32 11	10 41	23 6	23 11	3 22			n.a.
W25	1 20	14 54	2 28	11 35	1 16	15 18	1 12	18 33	1 6	24 8	0 31	15 8	1 33	14 0	0 45	3 18	2 0	32 11	10 42	23 5	23 11	3 25			n.a.
T 26	0 57	18 49	1 30	11 37	1 28	14 56	1 14	18 43	1 7	24 8	0 31	15 10	1 33	13 58	0 45	3 18	2 0	32 12	10 42	23 5	23 11	3 28			n.a.
F 27	0 33	22 0	0 27	11 38	1 38	14 33	1 16	18 54	1 7	24 9	0 31	15 12	1 33	13 57	0 45	3 19	2 0	32 12	10 42	23 5	23 11	3 31			n.a.
S 28	0 10	24 15	0n38	11 35	1 48	14 10	1 17	19 4	1 7	24 9	0 31	15 14	1 32	13 56	0 45	3 20	2 0	32 12	10 42	23 5	23 10	3 34			n.a.
S 29	0n14	25 20	1 42	11 31	1 58	13 47	1 19	19 14	1 7	24 9	0 31	15 16	1 32	13 56	0 45	3 20	2 0	32 12	10 43	23 5	23 10	3 37			n.a.
M30	0 37	25 5	2 44	11 24	2 6	13 24	1 21	19 24	1 8	24 10	0 32	15 19	1 32	13 55	0 45	3 21	2 0	32 12	10 43	23 5	23 10	3 40			n.a.
T 31	1n 0	23n24	3n39	11s16	2s14	13s 0	1s23	19n34	1n 8	24n10	0n32	15n21	1s32	13s54	0s45	3n22	2n 0	32s12	10s43	23n 5	23n 9	3n43			n.a.

Julian Day Number = 1473477.5, Delta T = 05h28m55s
Ecliptic obliquity = 23°46'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'56, Lahiri = -13°19'55 Julian Calendar 1 March 679 BCE == Greg. Calendar 22 Feb. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

APRIL 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 7 12	3♈27'31	16♌36	7♓26	0♓59	22♉27	24♊ 6	15♉55	25♒34	26°R11	23♑44	16°R21	17♊11	19♈38	n.a.	W 1
T 2	12 11 9	4°25'25	1♍ 2	8°16	2°11	23° 3	24°12	16° 2	25°37	26♍ 9	23°45	16♊13	17° 8	19°45	n.a.	T 2
F 3	12 15 5	5°23'17	15°54	9° 8	3°22	23°40	24°19	16° 9	25°40	26° 8	23°46	16° 4	17° 4	19°52	n.a.	F 3
S 4	12 19 2	6°21'07	1♎ 3	10° 5	4°34	24°17	24°25	16°15	25°43	26° 6	23°47	15°53	17° 1	19°58	n.a.	S 4
S 5	12 22 58	7°18'56	16°20	11° 4	5°46	24°53	24°32	16°22	25°46	26° 4	23°47	15°44	16°58	20° 5	n.a.	S 5
M 6	12 26 55	8°16'43	1♏34	12° 6	6°58	25°30	24°39	16°29	25°48	26° 3	23°48	15°36	16°55	20°12	n.a.	M 6
T 7	12 30 52	9°14'28	16°34	13°11	8° 9	26° 7	24°46	16°35	25°51	26° 1	23°49	15°31	16°52	20°18	n.a.	T 7
W 8	12 34 48	10°12'13	1♐12	14°19	9°21	26°44	24°53	16°42	25°54	26° 0	23°49	15°28	16°49	20°25	n.a.	W 8
T 9	12 38 45	11° 9'56	15°26	15°29	10°33	27°21	25° 0	16°49	25°56	25°58	23°50	15°D28	16°45	20°32	n.a.	T 9
F 10	12 42 41	12° 7'38	29°12	16°43	11°45	27°57	25° 8	16°56	25°59	25°56	23°50	15°28	16°42	20°38	n.a.	F 10
S 11	12 46 38	13° 5'18	12♑34	17°58	12°57	28°34	25°15	17° 3	26° 2	25°55	23°51	15°R28	16°39	20°45	n.a.	S 11
S 12	12 50 34	14° 2'58	25°34	19°17	14° 9	29°11	25°23	17°10	26° 4	25°53	23°51	15°28	16°36	20°52	n.a.	S 12
M13	12 54 31	15° 0'36	8♒14	20°38	15°21	29°48	25°31	17°17	26° 7	25°52	23°52	15°25	16°33	20°59	n.a.	M13
T 14	12 58 27	15°58'14	20°40	22° 1	16°33	0♊25	25°39	17°24	26° 9	25°50	23°52	15°20	16°30	21° 5	n.a.	T 14
W15	13 2 24	16°55'50	2♓54	23°26	17°45	1° 2	25°47	17°31	26°12	25°49	23°53	15°13	16°26	21°12	n.a.	W15
T 16	13 6 21	17°53'24	14°59	24°54	18°57	1°38	25°55	17°39	26°14	25°47	23°53	15° 4	16°23	21°19	n.a.	T 16
F 17	13 10 17	18°50'58	26°58	26°24	20° 9	2°15	26° 3	17°46	26°16	25°46	23°54	14°54	16°20	21°25	n.a.	F 17
S 18	13 14 14	19°48'30	8♈52	27°57	21°21	2°52	26°12	17°53	26°19	25°44	23°54	14°43	16°17	21°32	n.a.	S 18
S 19	13 18 10	20°46'02	20°43	29°32	22°34	3°29	26°20	18° 0	26°21	25°43	23°54	14°33	16°14	21°39	n.a.	S 19
M20	13 22 7	21°43'32	2♉33	1♈ 9	23°46	4° 6	26°29	18° 8	26°23	25°41	23°55	14°25	16°10	21°45	n.a.	M20
T 21	13 26 3	22°41'00	14°23	2°48	24°58	4°43	26°38	18°15	26°26	25°40	23°55	14°18	16° 7	21°52	n.a.	T 21
W22	13 30 0	23°38'28	26°16	4°30	26°10	5°20	26°47	18°22	26°28	25°39	23°55	14°14	16° 4	21°59	n.a.	W22
T 23	13 33 56	24°35'54	8♊15	6°14	27°22	5°57	26°56	18°30	26°30	25°37	23°55	14°13	16° 1	22° 6	n.a.	T 23
F 24	13 37 53	25°33'19	20°22	8° 0	28°35	6°34	27° 5	18°37	26°32	25°36	23°56	14°D13	15°58	22°12	n.a.	F 24
S 25	13 41 50	26°30'43	2♋42	9°49	29°47	7°11	27°14	18°45	26°34	25°35	23°56	14°14	15°55	22°19	n.a.	S 25
S 26	13 45 46	27°28'05	15°18	11°40	0♈59	7°48	27°23	18°52	26°36	25°33	23°56	14°15	15°51	22°26	n.a.	S 26
M27	13 49 43	28°25'26	28°16	13°33	2°11	8°25	27°33	19° 0	26°38	25°32	23°56	14°R15	15°48	22°32	n.a.	M27
T 28	13 53 39	29°22'46	11♌38	15°28	3°24	9° 2	27°42	19° 7	26°40	25°31	23°56	14°15	15°45	22°39	n.a.	T 28
W29	13 57 36	0♉20'05	25°27	17°25	4°36	9°39	27°52	19°15	26°42	25°29	23°56	14°12	15°42	22°46	n.a.	W29
T 30	14 1 32	1♉17'22	9♍44	19♈24	5♈48	10♊16	28♊ 1	19♉23	26♒44	25♍28	23♑56	14♊ 8	15♊39	22♈52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n24	20n15	4n23	11s 5	2s21	12s35	1s24	19n44	1n 8	24n10	0n32	15n23	1s32	13s53	0s45	3n22	2n 0	32s12	10s44	23n 4	23n 9	3n46		n.a.
T 2	1 47	15 47	4 52	10 52	2 27	12 11	1 26	19 54	1 8	24 10	0 32	15 25	1 31	13 52	0 45	3 23	2 0	32 13	10 44	23 3	23 9	3 49		n.a.
F 3	2 10	10 16	5 2	10 37	2 33	11 46	1 27	20 3	1 8	24 11	0 32	15 27	1 31	13 51	0 45	3 24	2 0	32 13	10 44	23 2	23 8	3 52		n.a.
S 4	2 33	4 1	4 52	10 20	2 38	11 21	1 29	20 13	1 9	24 11	0 32	15 29	1 31	13 50	0 45	3 24	2 0	32 13	10 45	23 1	23 8	3 55		n.a.
S 5	2 57	2s31	4 21	10 1	2 42	10 55	1 30	20 22	1 9	24 11	0 32	15 31	1 31	13 49	0 45	3 25	2 0	32 13	10 45	23 0	23 8	3 58		n.a.
M 6	3 20	8 53	3 31	9 40	2 45	10 29	1 31	20 31	1 9	24 12	0 32	15 33	1 31	13 48	0 45	3 25	2 0	32 13	10 45	22 59	23 7	4 1		n.a.
T 7	3 43	14 40	2 27	9 17	2 48	10 3	1 32	20 41	1 9	24 12	0 32	15 35	1 31	13 47	0 45	3 26	2 0	32 13	10 46	22 59	23 7	4 4		n.a.
W 8	4 6	19 28	1 15	8 52	2 50	9 37	1 33	20 49	1 9	24 12	0 32	15 37	1 30	13 46	0 45	3 27	2 0	32 14	10 46	22 58	23 7	4 7		n.a.
T 9	4 29	22 58	0 0	8 26	2 52	9 10	1 34	20 58	1 10	24 13	0 32	15 39	1 30	13 45	0 45	3 27	2 0	32 14	10 46	22 58	23 6	4 10		n.a.
F 10	4 52	24 59	1s13	7 58	2 53	8 43	1 35	21 7	1 10	24 13	0 32	15 42	1 30	13 44	0 45	3 28	2 0	32 14	10 46	22 58	23 6	4 13		n.a.
S 11	5 14	25 29	2 19	7 28	2 53	8 16	1 36	21 15	1 10	24 13	0 32	15 44	1 30	13 43	0 45	3 29	2 0	32 14	10 47	22 58	23 6	4 16		n.a.
S 12	5 37	24 33	3 17	6 56	2 52	7 48	1 37	21 24	1 10	24 14	0 32	15 46	1 30	13 43	0 45	3 29	2 0	32 14	10 47	22 58	23 6	4 19		n.a.
M13	6 0	22 22	4 3	6 23	2 51	7 21	1 38	21 32	1 10	24 14	0 32	15 48	1 30	13 42	0 45	3 30	2 0	32 15	10 47	22 58	23 5	4 22		n.a.
T 14	6 22	19 10	4 37	5 48	2 49	6 53	1 38	21 40	1 10	24 14	0 32	15 50	1 29	13 41	0 45	3 30	2 0	32 15	10 48	22 57	23 5	4 25		n.a.
W15	6 45	15 12	4 57	5 11	2 47	6 25	1 39	21 48	1 11	24 14	0 32	15 52	1 29	13 40	0 45	3 31	2 0	32 15	10 48	22 57	23 5	4 28		n.a.
T 16	7 7	10 40	5 4	4 33	2 44	5 57	1 39	21 56	1 11	24 15	0 32	15 55	1 29	13 39	0 45	3 32	2 0	32 15	10 48	22 56	23 4	4 31		n.a.
F 17	7 29	5 46	4 58	3 54	2 40	5 28	1 39	22 4	1 11	24 15	0 32	15 57	1 29	13 39	0 45	3 32	2 0	32 16	10 49	22 54	23 4	4 34		n.a.
S 18	7 51	0 42	4 38	3 12	2 36	5 0	1 40	22 11	1 11	24 15	0 32	15 59	1 29	13 38	0 45	3 33	2 0	32 16	10 49	22 53	23 4	4 37		n.a.
S 19	8 13	4n24	4 7	2 30	2 31	4 31	1 40	22 19	1 11	24 15	0 32	16 1	1 29	13 37	0 45	3 33	2 0	32 16	10 49	22 52	23 3	4 40		n.a.
M20	8 35	9 20	3 25	1 46	2 26	4 2	1 40	22 26	1 11	24 16	0 32	16 3	1 29	13 36	0 45	3 34	2 0	32 16	10 50	22 51	23 3	4 43		n.a.
T 21	8 57	13 57	2 33	1 0	2 20	3 33	1 40	22 33	1 11	24 16	0 32	16 5	1 28	13 35	0 45	3 34	2 0	32 17	10 50	22 50	23 3	4 46		n.a.
W22	9 18	18 3	1 35	0 14	2 14	3 4	1 40	22 40	1 11	24 16	0 32	16 8	1 28	13 35	0 45	3 35	2 0	32 17	10 50	22 50	23 2	4 49		n.a.
T 23	9 40	21 28	0 32	0n34	2 7	2 35	1 40	22 47	1 12	24 17	0 32	16 10	1 28	13 34	0 45	3 35	2 0	32 17	10 51	22 50	23 2	4 52		n.a.
F 24	10 1	23 58	0n33	1 24	1 59	2 6	1 40	22 53	1 12	24 17	0 32	16 12	1 28	13 33	0 45	3 36	2 0	32 17	10 51	22 50	23 2	4 55		n.a.
S 25	10 22	25 23	1 38	2 14	1 52	1 37	1 40	23 0	1 12	24 17	0 32	16 14	1 28	13 33	0 45	3 36	2 0	32 18	10 51	22 50	23 1	4 58		n.a.
S 26	10 43	25 32	2 40	3 6	1 43	1 7	1 39	23 6	1 12	24 17	0 32	16 16	1 28	13 32	0 45	3 37	2 0	32 18	10 52	22 50	23 1	5 1		n.a.
M27	11 4	24 19	3 35	3 58	1 34	0 38	1 39	23 12	1 12	24 17	0 32	16 19	1 28	13 31	0 45	3 37	2 0	32 18	10 52	22 50	23 1	5 4		n.a.
T 28	11 25	21 43	4 21	4 52	1 25	0 8	1 39	23 18	1 12	24 18	0 32	16 21	1 28	13 31	0 45	3 38	2 0	32 19	10 52	22 50	23 0	5 7		n.a.
W29	11 45	17 48	4 53	5 46	1 16	0n21	1 38	23 24	1 12	24 18	0 32	16 23	1 27	13 30	0 46	3 38	2 0	32 19	10 53	22 50	23 0	5 10		n.a.
T 30	12n 5	12n46	5n 8	6n41	1s 6	0n51	1s38	23n30	1n12	24n18	0n32	16n25	1s27	13s29	0s46	3n39	1n59	32s19	10s53	22n49	23n 0	5n13		n.a.

Julian Day Number = 1473508.5, Delta T = 05h28m53s
Ecliptic obliquity = 23°46'40, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'52, Lahiri = -13°19'51 Julian Calendar 1 Apr. 679 BCE == Greg. Calendar 25 March 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

MAY 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 5 29	2♉14'38	24♍26	21♈25	7♈ 1	10♊53	28♊11	19♉30	26♒46	25°R27	23♏56	14°R 3	15♊36	22♈59	n.a.	F 1
S 2	14 9 25	3°11'53	9♎28	23°29	8°13	11°30	28°21	19°38	26°48	25♍26	23°R56	13♊57	15°32	23° 6	n.a.	S 2
S 3	14 13 22	4° 9'07	24°42	25°33	9°25	12° 7	28°31	19°46	26°49	25°24	23°56	13°51	15°29	23°12	n.a.	S 3
M 4	14 17 19	5° 6'20	9♏57	27°40	10°38	12°44	28°41	19°53	26°51	25°23	23°56	13°47	15°26	23°19	n.a.	M 4
T 5	14 21 15	6° 3'33	25° 2	29°48	11°50	13°21	28°51	20° 1	26°53	25°22	23°56	13°44	15°23	23°26	n.a.	T 5
W 6	14 25 12	7° 0'45	9♐49	1♉57	13° 3	13°58	29° 1	20° 9	26°54	25°21	23°56	13°D43	15°20	23°33	n.a.	W 6
T 7	14 29 8	7°57'56	24°13	4° 7	14°15	14°35	29°12	20°16	26°56	25°20	23°56	13°43	15°16	23°39	n.a.	T 7
F 8	14 33 5	8°55'07	8♑ 9	6°18	15°28	15°12	29°22	20°24	26°58	25°19	23°56	13°44	15°13	23°46	n.a.	F 8
S 9	14 37 1	9°52'18	21°38	8°29	16°40	15°49	29°33	20°32	26°59	25°18	23°56	13°46	15°10	23°53	n.a.	S 9
S 10	14 40 58	10°49'28	4♒42	10°41	17°53	16°26	29°43	20°40	27° 1	25°17	23°56	13°47	15° 7	23°59	n.a.	S 10
M11	14 44 54	11°46'38	17°25	12°53	19° 5	17° 3	29°54	20°48	27° 2	25°16	23°56	13°R47	15° 4	24° 6	n.a.	M11
T 12	14 48 51	12°43'47	29°49	15° 4	20°18	17°41	0♋ 5	20°55	27° 3	25°15	23°55	13°45	15° 1	24°13	n.a.	T 12
W13	14 52 48	13°40'57	11♓59	17°15	21°31	18°18	0°16	21° 3	27° 5	25°14	23°55	13°43	14°57	24°19	n.a.	W13
T 14	14 56 44	14°38'06	24° 0	19°24	22°43	18°55	0°26	21°11	27° 6	25°13	23°55	13°39	14°54	24°26	n.a.	T 14
F 15	15 0 41	15°35'14	5♈54	21°33	23°56	19°32	0°37	21°19	27° 7	25°12	23°54	13°34	14°51	24°33	n.a.	F 15
S 16	15 4 37	16°32'23	17°44	23°41	25° 9	20° 9	0°48	21°27	27° 9	25°11	23°54	13°30	14°48	24°40	n.a.	S 16
S 17	15 8 34	17°29'31	29°34	25°47	26°21	20°47	1° 0	21°35	27°10	25°10	23°54	13°25	14°45	24°46	n.a.	S 17
M18	15 12 30	18°26'39	11♉26	27°52	27°34	21°24	1°11	21°43	27°11	25° 9	23°53	13°22	14°41	24°53	n.a.	M18
T 19	15 16 27	19°23'47	23°21	29°54	28°47	22° 1	1°22	21°50	27°12	25° 8	23°53	13°19	14°38	25° 0	n.a.	T 19
W20	15 20 23	20°20'54	5♊21	1♊55	29°59	22°38	1°33	21°58	27°13	25° 8	23°53	13°18	14°35	25° 6	n.a.	W20
T 21	15 24 20	21°18'01	17°29	3°54	1♉12	23°16	1°45	22° 6	27°14	25° 7	23°52	13°D18	14°32	25°13	n.a.	T 21
F 22	15 28 17	22°15'08	29°47	5°52	2°25	23°53	1°56	22°14	27°15	25° 6	23°52	13°18	14°29	25°20	n.a.	F 22
S 23	15 32 13	23°12'15	12♋17	7°47	3°38	24°30	2° 8	22°22	27°16	25° 6	23°51	13°20	14°26	25°26	n.a.	S 23
S 24	15 36 10	24° 9'21	25° 2	9°40	4°51	25° 7	2°19	22°30	27°17	25° 5	23°51	13°21	14°22	25°33	n.a.	S 24
M25	15 40 6	25° 6'27	8♌ 4	11°31	6° 4	25°45	2°31	22°38	27°17	25° 4	23°50	13°22	14°19	25°40	n.a.	M25
T 26	15 44 3	26° 3'33	21°26	13°19	7°17	26°22	2°43	22°46	27°18	25° 4	23°50	13°R23	14°16	25°46	n.a.	T 26
W27	15 47 59	27° 0'38	5♍10	15° 6	8°30	26°59	2°55	22°53	27°19	25° 3	23°49	13°23	14°13	25°53	n.a.	W27
T 28	15 51 56	27°57'42	19°16	16°51	9°43	27°37	3° 6	23° 1	27°19	25° 3	23°48	13°22	14°10	26° 0	n.a.	T 28
F 29	15 55 53	28°54'47	3♎44	18°33	10°56	28°14	3°18	23° 9	27°20	25° 2	23°48	13°21	14° 7	26° 6	n.a.	F 29
S 30	15 59 49	29°51'51	18°28	20°13	12° 8	28°52	3°30	23°17	27°21	25° 2	23°47	13°19	14° 3	26°13	n.a.	S 30
S 31	16 3 46	0♊48'55	3♏24	21♊52	13♉22	29♊29	3♋42	23♉25	27♒21	25♍ 1	23♏46	13♊18	14♊ 0	26♈20	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n25	6n53	5n 4	7n37	0s56	1n20	1s37	23n35	1n12	24n18	0n32	16n27	1s27	13s29	0s46	3n39	1n59	32s20	10s53	22n49	22n59	5n16		n.a.
S 2	12 45	0 28	4 40	8 33	0 45	1 50	1 36	23 41	1 13	24 18	0 32	16 30	1 27	13 28	0 46	3 40	1 59	32 20	10 54	22 48	22 59	5 19		n.a.
S 3	13 5	6s 4	3 55	9 29	0 35	2 20	1 35	23 46	1 13	24 18	0 32	16 32	1 27	13 28	0 46	3 40	1 59	32 20	10 54	22 47	22 58	5 22		n.a.
M 4	13 24	12 16	2 53	10 25	0 24	2 49	1 35	23 51	1 13	24 19	0 32	16 34	1 27	13 27	0 46	3 41	1 59	32 21	10 54	22 47	22 58	5 25		n.a.
T 5	13 44	17 41	1 40	11 21	0 13	3 19	1 34	23 56	1 13	24 19	0 32	16 36	1 27	13 26	0 46	3 41	1 59	32 21	10 55	22 46	22 58	5 28		n.a.
W 6	14 3	21 53	0 21	12 17	0 3	3 48	1 33	24 0	1 13	24 19	0 32	16 38	1 27	13 26	0 46	3 42	1 59	32 21	10 55	22 46	22 57	5 31		n.a.
T 7	14 22	24 36	0s57	13 12	0n 8	4 18	1 32	24 5	1 13	24 19	0 32	16 41	1 27	13 25	0 46	3 42	1 59	32 22	10 55	22 46	22 57	5 34		n.a.
F 8	14 40	25 40	2 9	14 6	0 19	4 47	1 31	24 9	1 13	24 19	0 32	16 43	1 26	13 25	0 46	3 42	1 59	32 22	10 56	22 46	22 57	5 37		n.a.
S 9	14 59	25 10	3 12	14 59	0 29	5 16	1 29	24 13	1 13	24 19	0 33	16 45	1 26	13 24	0 46	3 43	1 59	32 22	10 56	22 46	22 56	5 40		n.a.
S 10	15 17	23 17	4 3	15 51	0 39	5 45	1 28	24 17	1 13	24 19	0 33	16 47	1 26	13 24	0 46	3 43	1 59	32 23	10 56	22 47	22 56	5 43		n.a.
M11	15 35	20 16	4 40	16 41	0 48	6 14	1 27	24 21	1 13	24 19	0 33	16 49	1 26	13 23	0 46	3 44	1 59	32 23	10 57	22 47	22 56	5 46		n.a.
T 12	15 53	16 25	5 3	17 30	0 58	6 43	1 26	24 25	1 13	24 19	0 33	16 51	1 26	13 23	0 46	3 44	1 59	32 23	10 57	22 46	22 55	5 49		n.a.
W13	16 10	11 57	5 12	18 17	1 6	7 12	1 24	24 28	1 13	24 19	0 33	16 54	1 26	13 23	0 46	3 44	1 59	32 24	10 57	22 46	22 55	5 52		n.a.
T 14	16 27	7 6	5 7	19 1	1 15	7 41	1 23	24 31	1 13	24 19	0 33	16 56	1 26	13 22	0 46	3 45	1 59	32 24	10 58	22 46	22 55	5 55		n.a.
F 15	16 44	2 3	4 49	19 44	1 22	8 9	1 21	24 35	1 13	24 19	0 33	16 58	1 26	13 22	0 46	3 45	1 59	32 24	10 58	22 45	22 54	5 58		n.a.
S 16	17 1	3n 5	4 19	20 24	1 29	8 38	1 20	24 38	1 13	24 19	0 33	17 0	1 26	13 21	0 46	3 45	1 59	32 25	10 58	22 44	22 54	6 1		n.a.
S 17	17 17	8 6	3 37	21 1	1 35	9 6	1 18	24 40	1 13	24 19	0 33	17 2	1 26	13 21	0 46	3 45	1 59	32 25	10 58	22 44	22 53	6 4		n.a.
M18	17 34	12 50	2 46	21 36	1 41	9 34	1 16	24 43	1 13	24 19	0 33	17 4	1 26	13 21	0 46	3 46	1 59	32 25	10 59	22 44	22 53	6 7		n.a.
T 19	17 49	17 8	1 48	22 9	1 46	10 2	1 15	24 45	1 13	24 19	0 33	17 7	1 25	13 20	0 46	3 46	1 59	32 26	10 59	22 43	22 53	6 10		n.a.
W20	18 5	20 47	0 44	22 39	1 51	10 30	1 13	24 48	1 14	24 19	0 33	17 9	1 25	13 20	0 46	3 46	1 59	32 26	10 59	22 43	22 52	6 13		n.a.
T 21	18 20	23 34	0n23	23 6	1 54	10 57	1 11	24 50	1 14	24 19	0 33	17 11	1 25	13 20	0 46	3 47	1 59	32 27	11 0	22 43	22 52	6 16		n.a.
F 22	18 35	25 16	1 30	23 30	1 57	11 24	1 9	24 51	1 14	24 19	0 33	17 13	1 25	13 19	0 46	3 47	1 59	32 27	11 0	22 43	22 52	6 19		n.a.
S 23	18 50	25 45	2 33	23 53	1 59	11 51	1 7	24 53	1 14	24 19	0 33	17 15	1 25	13 19	0 46	3 47	1 58	32 27	11 0	22 43	22 51	6 22		n.a.
S 24	19 5	24 52	3 30	24 12	2 1	12 18	1 5	24 55	1 14	24 18	0 33	17 17	1 25	13 19	0 46	3 47	1 58	32 28	11 1	22 43	22 51	6 25		n.a.
M25	19 19	22 39	4 18	24 29	2 2	12 44	1 3	24 56	1 14	24 18	0 33	17 19	1 25	13 19	0 46	3 47	1 58	32 28	11 1	22 44	22 50	6 28		n.a.
T 26	19 32	19 10	4 53	24 44	2 2	13 10	1 1	24 57	1 14	24 18	0 33	17 21	1 25	13 18	0 47	3 48	1 58	32 29	11 1	22 44	22 50	6 30		n.a.
W27	19 46	14 35	5 13	24 57	2 1	13 36	0 59	24 58	1 14	24 18	0 33	17 23	1 25	13 18	0 47	3 48	1 58	32 29	11 1	22 44	22 50	6 33		n.a.
T 28	19 59	9 6	5 14	25 7	2 0	14 1	0 57	24 59	1 14	24 18	0 33	17 25	1 25	13 18	0 47	3 48	1 58	32 29	11 2	22 44	22 49	6 36		n.a.
F 29	20 12	3 1	4 56	25 15	1 58	14 26	0 55	25 0	1 14	24 17	0 33	17 27	1 25	13 18	0 47	3 48	1 58	32 30	11 2	22 43	22 49	6 39		n.a.
S 30	20 24	3s21	4 19	25 20	1 56	14 51	0 53	25 0	1 14	24 17	0 33	17 29	1 25	13 18	0 47	3 48	1 58	32 30	11 2	22 43	22 49	6 42		n.a.
S 31	20n37	9s39	3n23	25n24	1n53	15n16	0s51	25n 0	1n14	24n17	0n33	17n32	1s25	13s18	0s47	3n48	1n58	32s31	11s 3	22n43	22n48	6n45		n.a.

Julian Day Number = 1473538.5, Delta T = 05h28m52s
Ecliptic obliquity = 23°46'40, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'48, Lahiri = -13°19'47 Julian Calendar 1 May 679 BCE == Greg. Calendar 24 Apr. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

JUNE 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 7 42	1♊45'59	18♏24	23♊28	14♉35	0♋ 6	3♋54	23♉33	27♒21	25°R 1	23°R46	13°R17	13♊57	26♈27	n.a.	M 1
T 2	16 11 39	2°43'04	3♐20	25° 1	15°48	0°44	4° 6	23°40	27°22	25♍ 0	23♑45	13♊16	13°54	26°33	n.a.	T 2
W 3	16 15 35	3°40'08	18° 3	26°33	17° 1	1°21	4°18	23°48	27°22	25° 0	23°44	13°D16	13°51	26°40	n.a.	W 3
T 4	16 19 32	4°37'13	2♑27	28° 2	18°14	1°59	4°31	23°56	27°23	25° 0	23°44	13°16	13°47	26°47	n.a.	T 4
F 5	16 23 28	5°34'19	16°27	29°30	19°27	2°36	4°43	24° 4	27°23	24°59	23°43	13°17	13°44	26°53	n.a.	F 5
S 6	16 27 25	6°31'24	0♒ 2	0♋55	20°40	3°14	4°55	24°12	27°23	24°59	23°42	13°17	13°41	27° 0	n.a.	S 6
S 7	16 31 22	7°28'31	13°12	2°17	21°53	3°51	5° 8	24°19	27°23	24°59	23°41	13°18	13°38	27° 7	n.a.	S 7
M 8	16 35 18	8°25'38	25°58	3°38	23° 7	4°29	5°20	24°27	27°23	24°59	23°40	13°18	13°35	27°13	n.a.	M 8
T 9	16 39 15	9°22'45	8♓25	4°56	24°20	5° 6	5°32	24°35	27°23	24°58	23°40	13°R19	13°32	27°20	n.a.	T 9
W10	16 43 11	10°19'53	20°36	6°12	25°33	5°44	5°45	24°43	27°R23	24°58	23°39	13°18	13°28	27°27	n.a.	W10
T 11	16 47 8	11°17'02	2♈36	7°25	26°46	6°21	5°57	24°50	27°23	24°58	23°38	13°18	13°25	27°33	n.a.	T 11
F 12	16 51 4	12°14'12	14°29	8°36	28° 0	6°59	6°10	24°58	27°23	24°58	23°37	13°18	13°22	27°40	n.a.	F 12
S 13	16 55 1	13°11'22	26°19	9°44	29°13	7°37	6°22	25° 5	27°23	24°58	23°36	13°D18	13°19	27°47	n.a.	S 13
S 14	16 58 57	14° 8'33	8♉10	10°50	0♊26	8°14	6°35	25°13	27°23	24°D58	23°35	13°18	13°16	27°53	n.a.	S 14
M15	17 2 54	15° 5'45	20° 5	11°52	1°40	8°52	6°48	25°21	27°23	24°58	23°34	13°18	13°13	28° 0	n.a.	M15
T 16	17 6 51	16° 2'58	2♊ 7	12°52	2°53	9°30	7° 0	25°28	27°22	24°58	23°33	13°18	13° 9	28° 7	n.a.	T 16
W17	17 10 47	17° 0'12	14°18	13°49	4° 7	10° 7	7°13	25°36	27°22	24°58	23°32	13°R18	13° 6	28°14	n.a.	W17
T 18	17 14 44	17°57'26	26°41	14°43	5°20	10°45	7°26	25°43	27°22	24°58	23°31	13°18	13° 3	28°20	n.a.	T 18
F 19	17 18 40	18°54'41	9♋15	15°34	6°34	11°23	7°39	25°51	27°21	24°58	23°30	13°18	13° 0	28°27	n.a.	F 19
S 20	17 22 37	19°51'57	22° 3	16°21	7°47	12° 0	7°51	25°58	27°21	24°59	23°29	13°17	12°57	28°34	n.a.	S 20
S 21	17 26 33	20°49'13	5♌ 5	17° 5	9° 1	12°38	8° 4	26° 6	27°20	24°59	23°28	13°16	12°53	28°40	n.a.	S 21
M22	17 30 30	21°46'30	18°22	17°45	10°15	13°16	8°17	26°13	27°20	24°59	23°27	13°15	12°50	28°47	n.a.	M22
T 23	17 34 27	22°43'47	1♍53	18°21	11°28	13°54	8°30	26°20	27°19	24°59	23°26	13°15	12°47	28°54	n.a.	T 23
W24	17 38 23	23°41'05	15°39	18°54	12°42	14°32	8°43	26°28	27°18	25° 0	23°25	13°14	12°44	29° 0	n.a.	W24
T 25	17 42 20	24°38'24	29°40	19°22	13°56	15° 9	8°56	26°35	27°18	25° 0	23°24	13°D14	12°41	29° 7	n.a.	T 25
F 26	17 46 16	25°35'43	13♎54	19°46	15° 9	15°47	9° 9	26°42	27°17	25° 0	23°23	13°15	12°38	29°14	n.a.	F 26
S 27	17 50 13	26°33'03	28°19	20° 5	16°23	16°25	9°22	26°50	27°16	25° 1	23°21	13°15	12°34	29°20	n.a.	S 27
S 28	17 54 9	27°30'24	12♏51	20°19	17°37	17° 3	9°35	26°57	27°15	25° 1	23°20	13°16	12°31	29°27	n.a.	S 28
M29	17 58 6	28°27'45	27°27	20°29	18°50	17°41	9°48	27° 4	27°15	25° 2	23°19	13°17	12°28	29°34	n.a.	M29
T 30	18 2 2	29♊25'08	12♐ 1	20°R34	20♊ 4	18♋19	10♋ 1	27♉11	27♒14	25♍ 2	23♑18	13°R18	12♊25	29♈40	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n48	15s25	2n13	25n26	1n49	15n40	0s49	25n 0	1n14	24n17	0n33	17n34	1s25	13s17	0s47	3n49	1n58	32s31	11s 3	22n43	22n48	6n48		n.a.
T 2	21 0	20 13	0 55	25 26	1 45	16 4	0 46	25 0	1 14	24 16	0 34	17 36	1 25	13 17	0 47	3 49	1 58	32 31	11 3	22 43	22 47	6 51		n.a.
W 3	21 11	23 40	0s26	25 24	1 40	16 27	0 44	25 0	1 14	24 16	0 34	17 38	1 24	13 17	0 47	3 49	1 58	32 32	11 3	22 43	22 47	6 54		n.a.
T 4	21 22	25 30	1 44	25 21	1 35	16 50	0 42	24 59	1 14	24 16	0 34	17 40	1 24	13 17	0 47	3 49	1 58	32 32	11 4	22 43	22 47	6 57		n.a.
F 5	21 32	25 37	2 54	25 16	1 29	17 12	0 40	24 59	1 14	24 15	0 34	17 42	1 24	13 17	0 47	3 49	1 58	32 33	11 4	22 43	22 46	7 0		n.a.
S 6	21 42	24 11	3 51	25 9	1 23	17 34	0 37	24 58	1 14	24 15	0 34	17 43	1 24	13 17	0 47	3 49	1 58	32 33	11 4	22 43	22 46	7 3		n.a.
S 7	21 52	21 28	4 35	25 1	1 16	17 56	0 35	24 57	1 13	24 14	0 34	17 45	1 24	13 17	0 47	3 49	1 58	32 33	11 5	22 43	22 46	7 6		n.a.
M 8	22 1	17 46	5 3	24 52	1 9	18 17	0 33	24 55	1 13	24 14	0 34	17 47	1 24	13 17	0 47	3 49	1 58	32 34	11 5	22 43	22 45	7 9		n.a.
T 9	22 10	13 24	5 16	24 42	1 1	18 38	0 30	24 54	1 13	24 13	0 34	17 49	1 24	13 17	0 47	3 49	1 57	32 34	11 5	22 43	22 45	7 12		n.a.
W10	22 19	8 35	5 15	24 30	0 52	18 58	0 28	24 52	1 13	24 13	0 34	17 51	1 24	13 17	0 47	3 49	1 57	32 35	11 5	22 43	22 44	7 15		n.a.
T 11	22 27	3 31	4 59	24 17	0 43	19 18	0 25	24 51	1 13	24 12	0 34	17 53	1 24	13 17	0 47	3 49	1 57	32 35	11 6	22 43	22 44	7 18		n.a.
F 12	22 35	1n37	4 32	24 4	0 34	19 37	0 23	24 49	1 13	24 12	0 34	17 55	1 24	13 17	0 47	3 49	1 57	32 35	11 6	22 43	22 44	7 21		n.a.
S 13	22 42	6 42	3 52	23 49	0 24	19 56	0 21	24 46	1 13	24 11	0 34	17 57	1 24	13 17	0 47	3 49	1 57	32 36	11 6	22 43	22 43	7 24		n.a.
S 14	22 49	11 33	3 3	23 34	0 14	20 14	0 18	24 44	1 13	24 11	0 34	17 59	1 24	13 17	0 47	3 49	1 57	32 36	11 6	22 43	22 43	7 27		n.a.
M15	22 56	16 0	2 5	23 18	0 4	20 32	0 16	24 42	1 13	24 10	0 34	18 1	1 24	13 18	0 47	3 49	1 57	32 37	11 6	22 43	22 42	7 30		n.a.
T 16	23 2	19 52	1 2	23 2	0s 7	20 49	0 13	24 39	1 13	24 10	0 34	18 2	1 24	13 18	0 47	3 49	1 57	32 37	11 7	22 43	22 42	7 33		n.a.
W17	23 8	22 56	0n 6	22 45	0 18	21 6	0 11	24 36	1 13	24 9	0 34	18 4	1 24	13 18	0 47	3 49	1 57	32 37	11 7	22 43	22 42	7 36		n.a.
T 18	23 13	24 58	1 14	22 27	0 30	21 22	0 8	24 33	1 13	24 8	0 34	18 6	1 24	13 18	0 47	3 49	1 57	32 38	11 7	22 43	22 41	7 39		n.a.
F 19	23 18	25 46	2 19	22 10	0 42	21 37	0 6	24 30	1 13	24 8	0 34	18 8	1 24	13 18	0 47	3 48	1 57	32 38	11 7	22 43	22 41	7 42		n.a.
S 20	23 23	25 13	3 19	21 52	0 54	21 52	0 3	24 26	1 13	24 7	0 35	18 10	1 24	13 18	0 48	3 48	1 57	32 39	11 8	22 43	22 40	7 45		n.a.
S 21	23 27	23 17	4 9	21 34	1 7	22 6	0 1	24 23	1 13	24 6	0 35	18 12	1 24	13 19	0 48	3 48	1 57	32 39	11 8	22 43	22 40	7 48		n.a.
M22	23 31	20 5	4 47	21 16	1 19	22 19	0n 1	24 19	1 13	24 5	0 35	18 13	1 24	13 19	0 48	3 48	1 57	32 40	11 8	22 43	22 40	7 51		n.a.
T 23	23 34	15 46	5 10	20 58	1 32	22 32	0 4	24 15	1 13	24 5	0 35	18 15	1 24	13 19	0 48	3 48	1 57	32 40	11 8	22 43	22 39	7 54		n.a.
W24	23 37	10 35	5 16	20 41	1 45	22 45	0 6	24 11	1 13	24 4	0 35	18 17	1 24	13 19	0 48	3 48	1 57	32 40	11 8	22 43	22 39	7 57		n.a.
T 25	23 40	4 46	5 4	20 24	1 59	22 56	0 9	24 6	1 13	24 3	0 35	18 18	1 24	13 20	0 48	3 48	1 57	32 41	11 9	22 43	22 38	8 0		n.a.
F 26	23 42	1s23	4 33	20 7	2 12	23 7	0 11	24 2	1 12	24 2	0 35	18 20	1 24	13 20	0 48	3 47	1 56	32 41	11 9	22 43	22 38	8 3		n.a.
S 27	23 44	7 32	3 44	19 51	2 25	23 18	0 14	23 57	1 12	24 1	0 35	18 22	1 24	13 20	0 48	3 47	1 56	32 41	11 9	22 43	22 37	8 6		n.a.
S 28	23 45	13 22	2 41	19 36	2 39	23 27	0 16	23 52	1 12	24 1	0 35	18 24	1 24	13 21	0 48	3 47	1 56	32 42	11 9	22 43	22 37	8 9		n.a.
M29	23 46	18 28	1 27	19 22	2 52	23 36	0 18	23 47	1 12	24 0	0 35	18 25	1 24	13 21	0 48	3 47	1 56	32 42	11 9	22 43	22 37	8 12		n.a.
T 30	23n47	22s26	0n 7	19n 8	3s 5	23n45	0n21	23n42	1n12	23n59	0n35	18n27	1s24	13s21	0s48	3n46	1n56	32s43	11s 9	22n43	22n36	8n15		n.a.

Julian Day Number = 1473569.5, Delta T = 05h28m50s
Ecliptic obliquity = 23°46'39, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'43, Lahiri = -13°19'43 Julian Calendar 1 June 679 BCE == Greg. Calendar 25 May 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

JULY 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 5 59	0♋22'31	26♐26	20°R33	21♊18	18♋57	10♋14	27♉18	27°R13	25♍ 3	23°R17	13°R17	12♊22	29♈47	n.a.	W 1
T 2	18 9 56	1°19'56	10♑38	20♋27	22°32	19°35	10°27	27°25	27♒12	25° 3	23♑16	13♊16	12°19	29°54	n.a.	T 2
F 3	18 13 52	2°17'22	24°32	20°16	23°46	20°13	10°40	27°32	27°11	25° 4	23°14	13°14	12°15	0♉ 1	n.a.	F 3
S 4	18 17 49	3°14'49	8♒ 5	20° 0	25° 0	20°51	10°53	27°39	27° 9	25° 4	23°13	13°11	12°12	0° 7	n.a.	S 4
S 5	18 21 45	4°12'18	21°16	19°38	26°14	21°29	11° 6	27°46	27° 8	25° 5	23°12	13° 8	12° 9	0°14	n.a.	S 5
M 6	18 25 42	5° 9'47	4♓ 4	19°12	27°28	22° 7	11°19	27°53	27° 7	25° 6	23°11	13° 6	12° 6	0°21	n.a.	M 6
T 7	18 29 38	6° 7'19	16°33	18°40	28°42	22°45	11°32	27°59	27° 6	25° 6	23°10	13° 4	12° 3	0°27	n.a.	T 7
W 8	18 33 35	7° 4'52	28°46	18° 4	29°56	23°23	11°45	28° 6	27° 5	25° 7	23° 8	13° 2	11°59	0°34	n.a.	W 8
T 9	18 37 31	8° 2'26	10♈46	17°23	1♋10	24° 1	11°59	28°13	27° 3	25° 8	23° 7	13°D 2	11°56	0°41	n.a.	T 9
F 10	18 41 28	9° 0'02	22°39	16°40	2°24	24°39	12°12	28°20	27° 2	25° 9	23° 6	13° 3	11°53	0°47	n.a.	F 10
S 11	18 45 25	9°57'40	4♉29	15°53	3°38	25°18	12°25	28°26	27° 1	25°10	23° 5	13° 4	11°50	0°54	n.a.	S 11
S 12	18 49 21	10°55'20	16°22	15° 4	4°52	25°56	12°38	28°33	26°59	25°11	23° 3	13° 6	11°47	1° 1	n.a.	S 12
M13	18 53 18	11°53'01	28°21	14°13	6° 6	26°34	12°51	28°39	26°58	25°11	23° 2	13° 7	11°44	1° 7	n.a.	M13
T 14	18 57 14	12°50'44	10♊30	13°22	7°20	27°12	13° 4	28°46	26°56	25°12	23° 1	13°R 8	11°40	1°14	n.a.	T 14
W15	19 1 11	13°48'28	22°52	12°32	8°35	27°51	13°18	28°52	26°55	25°13	22°59	13° 8	11°37	1°21	n.a.	W15
T 16	19 5 7	14°46'14	5♋30	11°43	9°49	28°29	13°31	28°58	26°53	25°14	22°58	13° 6	11°34	1°27	n.a.	T 16
F 17	19 9 4	15°44'02	18°25	10°57	11° 3	29° 7	13°44	29° 5	26°51	25°15	22°57	13° 3	11°31	1°34	n.a.	F 17
S 18	19 13 1	16°41'51	1♌36	10°14	12°17	29°46	13°57	29°11	26°50	25°16	22°56	12°58	11°28	1°41	n.a.	S 18
S 19	19 16 57	17°39'42	15° 2	9°36	13°32	0♌24	14°10	29°17	26°48	25°18	22°54	12°52	11°25	1°47	n.a.	S 19
M20	19 20 54	18°37'34	28°41	9° 4	14°46	1° 2	14°23	29°23	26°46	25°19	22°53	12°47	11°21	1°54	n.a.	M20
T 21	19 24 50	19°35'28	12♍31	8°37	16° 0	1°41	14°36	29°29	26°45	25°20	22°52	12°42	11°18	2° 1	n.a.	T 21
W22	19 28 47	20°33'23	26°30	8°17	17°15	2°19	14°50	29°35	26°43	25°21	22°50	12°38	11°15	2° 7	n.a.	W22
T 23	19 32 43	21°31'19	10♎35	8° 4	18°29	2°58	15° 3	29°41	26°41	25°22	22°49	12°36	11°12	2°14	n.a.	T 23
F 24	19 36 40	22°29'17	24°44	7°D59	19°44	3°36	15°16	29°47	26°39	25°23	22°48	12°D36	11° 9	2°21	n.a.	F 24
S 25	19 40 36	23°27'16	8♏56	8° 2	20°58	4°15	15°29	29°52	26°37	25°25	22°46	12°36	11° 5	2°27	n.a.	S 25
S 26	19 44 33	24°25'17	23° 8	8°13	22°13	4°53	15°42	29°58	26°35	25°26	22°45	12°38	11° 2	2°34	n.a.	S 26
M27	19 48 29	25°23'19	7♐18	8°32	23°27	5°32	15°55	0♊ 4	26°33	25°27	22°44	12°R39	10°59	2°41	n.a.	M27
T 28	19 52 26	26°21'23	21°25	9° 0	24°42	6°11	16° 8	0° 9	26°31	25°29	22°43	12°38	10°56	2°47	n.a.	T 28
W29	19 56 23	27°19'29	5♑26	9°35	25°56	6°49	16°21	0°15	26°29	25°30	22°41	12°36	10°53	2°54	n.a.	W29
T 30	20 0 19	28°17'36	19°16	10°19	27°11	7°28	16°34	0°20	26°27	25°31	22°40	12°32	10°50	3° 1	n.a.	T 30
F 31	20 4 16	29♋15'45	2♒53	11♋10	28♋25	8♌ 7	16♋47	0♊25	26♒25	25♍33	22♑39	12♊26	10♊46	3♉ 8	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n47	24s56	1s12	18n56	3s17	23n52	0n23	23n36	1n12	23n58	0n35	18n28	1s24	13s22	0s48	3n46	1n56	32s43	11s10	22n43	22n36	8n18		n.a.
T 2	23 46	25 45	2 25	18 45	3 30	23 59	0 25	23 31	1 12	23 57	0 35	18 30	1 24	13 22	0 48	3 46	1 56	32 43	11 10	22 43	22 35	8 21		n.a.
F 3	23 45	24 56	3 28	18 35	3 41	24 5	0 27	23 25	1 12	23 56	0 35	18 32	1 24	13 22	0 48	3 46	1 56	32 44	11 10	22 43	22 35	8 24		n.a.
S 4	23 44	22 39	4 18	18 26	3 52	24 11	0 30	23 19	1 12	23 55	0 36	18 33	1 24	13 23	0 48	3 45	1 56	32 44	11 10	22 42	22 35	8 27		n.a.
S 5	23 43	19 13	4 52	18 19	4 2	24 15	0 32	23 13	1 12	23 54	0 36	18 35	1 24	13 23	0 48	3 45	1 56	32 45	11 10	22 42	22 34	8 30		n.a.
M 6	23 40	14 58	5 11	18 14	4 11	24 19	0 34	23 7	1 12	23 53	0 36	18 36	1 24	13 24	0 48	3 45	1 56	32 45	11 10	22 41	22 34	8 33		n.a.
T 7	23 38	10 11	5 14	18 10	4 20	24 23	0 36	23 0	1 11	23 52	0 36	18 38	1 24	13 24	0 48	3 44	1 56	32 45	11 11	22 41	22 33	8 35		n.a.
W 8	23 35	5 7	5 3	18 8	4 26	24 25	0 38	22 53	1 11	23 51	0 36	18 39	1 24	13 25	0 48	3 44	1 56	32 46	11 11	22 41	22 33	8 38		n.a.
T 9	23 32	0n 3	4 39	18 8	4 32	24 27	0 41	22 47	1 11	23 50	0 36	18 41	1 24	13 25	0 48	3 43	1 56	32 46	11 11	22 41	22 32	8 41		n.a.
F 10	23 28	5 11	4 3	18 10	4 36	24 28	0 43	22 40	1 11	23 48	0 36	18 42	1 24	13 26	0 48	3 43	1 56	32 46	11 11	22 41	22 32	8 44		n.a.
S 11	23 24	10 7	3 16	18 13	4 38	24 28	0 45	22 32	1 11	23 47	0 36	18 44	1 24	13 26	0 48	3 43	1 56	32 47	11 11	22 41	22 32	8 47		n.a.
S 12	23 19	14 42	2 22	18 18	4 38	24 28	0 47	22 25	1 11	23 46	0 36	18 45	1 24	13 27	0 48	3 42	1 55	32 47	11 11	22 41	22 31	8 50		n.a.
M13	23 14	18 46	1 20	18 25	4 37	24 27	0 49	22 18	1 11	23 45	0 36	18 47	1 24	13 27	0 48	3 42	1 55	32 47	11 11	22 42	22 31	8 53		n.a.
T 14	23 9	22 6	0 14	18 33	4 34	24 25	0 50	22 10	1 11	23 44	0 36	18 48	1 24	13 28	0 48	3 41	1 55	32 48	11 11	22 42	22 30	8 56		n.a.
W15	23 3	24 28	0n53	18 43	4 28	24 22	0 52	22 2	1 10	23 42	0 36	18 49	1 24	13 28	0 48	3 41	1 55	32 48	11 12	22 42	22 30	8 59		n.a.
T 16	22 57	25 39	1 59	18 55	4 21	24 19	0 54	21 54	1 10	23 41	0 37	18 51	1 24	13 29	0 48	3 41	1 55	32 48	11 12	22 42	22 29	9 2		n.a.
F 17	22 50	25 28	3 1	19 7	4 13	24 14	0 56	21 46	1 10	23 40	0 37	18 52	1 24	13 29	0 48	3 40	1 55	32 49	11 12	22 41	22 29	9 5		n.a.
S 18	22 43	23 53	3 54	19 21	4 2	24 9	0 58	21 38	1 10	23 39	0 37	18 53	1 24	13 30	0 48	3 40	1 55	32 49	11 12	22 40	22 28	9 8		n.a.
S 19	22 36	20 56	4 35	19 36	3 50	24 4	0 59	21 29	1 10	23 37	0 37	18 55	1 24	13 31	0 48	3 39	1 55	32 49	11 12	22 40	22 28	9 11		n.a.
M20	22 28	16 47	5 1	19 51	3 37	23 57	1 1	21 21	1 10	23 36	0 37	18 56	1 24	13 31	0 49	3 39	1 55	32 50	11 12	22 39	22 28	9 14		n.a.
T 21	22 19	11 43	5 11	20 8	3 22	23 50	1 3	21 12	1 10	23 35	0 37	18 57	1 24	13 32	0 49	3 38	1 55	32 50	11 12	22 38	22 27	9 17		n.a.
W22	22 11	6 1	5 2	20 24	3 7	23 43	1 4	21 3	1 9	23 33	0 37	18 59	1 24	13 33	0 49	3 38	1 55	32 50	11 12	22 38	22 27	9 20		n.a.
T 23	22 2	0s 3	4 35	20 41	2 51	23 34	1 6	20 54	1 9	23 32	0 37	19 0	1 24	13 33	0 49	3 37	1 55	32 51	11 12	22 38	22 26	9 23		n.a.
F 24	21 52	6 8	3 51	20 59	2 34	23 25	1 7	20 44	1 9	23 30	0 37	19 1	1 24	13 34	0 49	3 37	1 55	32 51	11 12	22 38	22 26	9 26		n.a.
S 25	21 42	11 57	2 53	21 16	2 16	23 15	1 9	20 35	1 9	23 29	0 37	19 2	1 24	13 35	0 49	3 36	1 55	32 51	11 12	22 38	22 25	9 29		n.a.
S 26	21 32	17 9	1 44	21 33	1 59	23 4	1 10	20 25	1 9	23 28	0 37	19 3	1 24	13 35	0 49	3 35	1 55	32 51	11 12	22 38	22 25	9 32		n.a.
M27	21 22	21 22	0 29	21 49	1 41	22 53	1 11	20 16	1 9	23 26	0 38	19 5	1 24	13 36	0 49	3 35	1 55	32 52	11 12	22 38	22 24	9 35		n.a.
T 28	21 11	24 17	0s47	22 4	1 24	22 41	1 12	20 6	1 8	23 25	0 38	19 6	1 24	13 37	0 49	3 34	1 55	32 52	11 12	22 38	22 24	9 38		n.a.
W29	20 59	25 40	2 0	22 19	1 7	22 28	1 14	19 56	1 8	23 23	0 38	19 7	1 25	13 37	0 49	3 34	1 55	32 52	11 12	22 38	22 24	9 40		n.a.
T 30	20 48	25 25	3 5	22 33	0 50	22 14	1 15	19 46	1 8	23 22	0 38	19 8	1 25	13 38	0 49	3 33	1 55	32 52	11 12	22 37	22 23	9 43		n.a.
F 31	20n36	23s38	3s57	22n45	0s34	22n 0	1n16	19n35	1n 8	23n20	0n38	19n 9	1s25	13s39	0s49	3n32	1n54	32s53	11s12	22n36	22n23	9n46		n.a.

Julian Day Number = 1473599.5, Delta T = 05h28m49s
Ecliptic obliquity = 23°46'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'39, Lahiri = -13°19'39 Julian Calendar 1 July 679 BCE == Greg. Calendar 24 June 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

AUGUST 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 8 12	0♌13'56	16♒14	12♋ 8	29♋40	8♌45	17♋ 0	0♊31	26°R23	25♍34	22°R37	12°R18	10♊43	3♉14	n.a.	S 1
S 2	20 12 9	1°12'08	29°17	13°14	0♌54	9°24	17°13	0°36	26♒21	25°36	22♂36	12♊10	10°40	3°21	n.a.	S 2
M 3	20 16 5	2°10'23	12♓ 2	14°26	2° 9	10° 3	17°26	0°41	26°19	25°37	22°35	12° 2	10°37	3°28	n.a.	M 3
T 4	20 20 2	3° 8'40	24°29	15°44	3°24	10°42	17°39	0°46	26°17	25°39	22°34	11°54	10°34	3°34	n.a.	T 4
W 5	20 23 58	4° 6'59	6♈41	17° 8	4°38	11°20	17°52	0°51	26°15	25°40	22°32	11°49	10°31	3°41	n.a.	W 5
T 6	20 27 55	5° 5'20	18°41	18°37	5°53	11°59	18° 5	0°56	26°13	25°42	22°31	11°45	10°27	3°48	n.a.	T 6
F 7	20 31 52	6° 3'43	0♉33	20°10	7° 8	12°38	18°18	1° 0	26°10	25°43	22°30	11°43	10°24	3°54	n.a.	F 7
S 8	20 35 48	7° 2'09	12°23	21°47	8°22	13°17	18°30	1° 5	26° 8	25°45	22°28	11°D43	10°21	4° 1	n.a.	S 8
S 9	20 39 45	8° 0'37	24°15	23°28	9°37	13°56	18°43	1°10	26° 6	25°46	22°27	11°44	10°18	4° 8	n.a.	S 9
M10	20 43 41	8°59'07	6♊16	25°11	10°52	14°35	18°56	1°14	26° 4	25°48	22°26	11°R45	10°15	4°14	n.a.	M10
T 11	20 47 38	9°57'39	18°29	26°57	12° 7	15°14	19° 9	1°19	26° 1	25°50	22°25	11°45	10°11	4°21	n.a.	T 11
W12	20 51 34	10°56'14	0♋59	28°45	13°22	15°53	19°21	1°23	25°59	25°51	22°24	11°43	10° 8	4°28	n.a.	W12
T 13	20 55 31	11°54'51	13°49	0♌35	14°36	16°32	19°34	1°27	25°57	25°53	22°22	11°39	10° 5	4°34	n.a.	T 13
F 14	20 59 27	12°53'30	27° 0	2°25	15°51	17°11	19°47	1°32	25°54	25°55	22°21	11°32	10° 2	4°41	n.a.	F 14
S 15	21 3 24	13°52'12	10♌33	4°17	17° 6	17°51	19°59	1°36	25°52	25°57	22°20	11°23	9°59	4°48	n.a.	S 15
S 16	21 7 21	14°50'55	24°25	6° 9	18°21	18°30	20°12	1°40	25°50	25°59	22°19	11°13	9°56	4°54	n.a.	S 16
M17	21 11 17	15°49'40	8♍32	8° 1	19°36	19° 9	20°24	1°44	25°47	26° 0	22°18	11° 3	9°52	5° 1	n.a.	M17
T 18	21 15 14	16°48'28	22°49	9°53	20°51	19°48	20°37	1°47	25°45	26° 2	22°16	10°53	9°49	5° 8	n.a.	T 18
W19	21 19 10	17°47'17	7♎ 9	11°45	22° 6	20°27	20°49	1°51	25°42	26° 4	22°15	10°45	9°46	5°14	n.a.	W19
T 20	21 23 7	18°46'08	21°30	13°36	23°20	21° 7	21° 1	1°55	25°40	26° 6	22°14	10°40	9°43	5°21	n.a.	T 20
F 21	21 27 3	19°45'01	5♏46	15°28	24°35	21°46	21°14	1°58	25°38	26° 8	22°13	10°38	9°40	5°28	n.a.	F 21
S 22	21 31 0	20°43'56	19°55	17°18	25°50	22°25	21°26	2° 2	25°35	26°10	22°12	10°D37	9°37	5°34	n.a.	S 22
S 23	21 34 56	21°42'52	3♐56	19° 8	27° 5	23° 5	21°38	2° 5	25°33	26°12	22°11	10°R37	9°33	5°41	n.a.	S 23
M24	21 38 53	22°41'51	17°48	20°57	28°20	23°44	21°50	2° 8	25°30	26°13	22°10	10°37	9°30	5°48	n.a.	M24
T 25	21 42 50	23°40'51	1♑32	22°46	29°35	24°24	22° 2	2°11	25°28	26°15	22° 9	10°35	9°27	5°54	n.a.	T 25
W26	21 46 46	24°39'54	15° 8	24°34	0♍50	25° 3	22°14	2°14	25°26	26°17	22° 7	10°31	9°24	6° 1	n.a.	W26
T 27	21 50 43	25°38'58	28°33	26°21	2° 5	25°43	22°26	2°17	25°23	26°19	22° 6	10°24	9°21	6° 8	n.a.	T 27
F 28	21 54 39	26°38'04	11♒48	28° 7	3°20	26°22	22°38	2°20	25°21	26°21	22° 5	10°15	9°17	6°14	n.a.	F 28
S 29	21 58 36	27°37'13	24°50	29°52	4°35	27° 2	22°50	2°23	25°18	26°23	22° 4	10° 3	9°14	6°21	n.a.	S 29
S 30	22 2 32	28°36'23	7♓39	1♍36	5°50	27°41	23° 2	2°26	25°16	26°25	22° 3	9°50	9°11	6°28	n.a.	S 30
M31	22 6 29	29♌35'36	20♓13	3♍20	7♍ 5	28♌21	23♋14	2♊28	25♒14	26♍27	22♂ 2	9♊37	9♊ 8	6♉34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n23	20s34	4s36	22n55	0s18	21n46	1n17	19n25	1n 8	23n19	0n38	19n10	1s25	13s40	0s49	3n32	1n54	32s53	11s12	22n35	22n22	9n49		n.a.
S 2	20 10	16 32	4 59	23 4	0 3	21 30	1 18	19 14	1 8	23 17	0 38	19 11	1 25	13 40	0 49	3 31	1 54	32 53	11 12	22 34	22 22	9 52		n.a.
M 3	19 57	11 51	5 7	23 10	0n11	21 14	1 19	19 3	1 7	23 15	0 38	19 12	1 25	13 41	0 49	3 31	1 54	32 53	11 12	22 33	22 21	9 55		n.a.
T 4	19 44	6 47	5 0	23 14	0 24	20 58	1 19	18 53	1 7	23 14	0 38	19 13	1 25	13 42	0 49	3 30	1 54	32 54	11 12	22 32	22 21	9 58		n.a.
W 5	19 30	1 34	4 39	23 16	0 37	20 40	1 20	18 42	1 7	23 12	0 39	19 14	1 25	13 43	0 49	3 29	1 54	32 54	11 12	22 31	22 20	10 1		n.a.
T 6	19 16	3n38	4 6	23 15	0 48	20 22	1 21	18 30	1 7	23 11	0 39	19 15	1 25	13 43	0 49	3 29	1 54	32 54	11 12	22 31	22 20	10 4		n.a.
F 7	19 1	8 40	3 23	23 12	0 58	20 4	1 22	18 19	1 7	23 9	0 39	19 16	1 25	13 44	0 49	3 28	1 54	32 54	11 12	22 31	22 19	10 7		n.a.
S 8	18 46	13 23	2 31	23 6	1 8	19 45	1 22	18 8	1 6	23 7	0 39	19 17	1 25	13 45	0 49	3 27	1 54	32 55	11 12	22 31	22 19	10 10		n.a.
S 9	18 31	17 37	1 32	22 57	1 16	19 25	1 23	17 56	1 6	23 6	0 39	19 18	1 25	13 46	0 49	3 27	1 54	32 55	11 12	22 31	22 18	10 13		n.a.
M10	18 16	21 11	0 29	22 46	1 23	19 5	1 23	17 44	1 6	23 4	0 39	19 19	1 25	13 47	0 49	3 26	1 54	32 55	11 12	22 31	22 18	10 16		n.a.
T 11	18 0	23 52	0n36	22 32	1 30	18 44	1 24	17 32	1 6	23 2	0 39	19 19	1 25	13 47	0 49	3 25	1 54	32 55	11 12	22 31	22 18	10 19		n.a.
W12	17 44	25 27	1 41	22 15	1 35	18 23	1 24	17 21	1 6	23 1	0 39	19 20	1 25	13 48	0 49	3 24	1 54	32 55	11 12	22 31	22 17	10 22		n.a.
T 13	17 28	25 45	2 43	21 56	1 40	18 1	1 24	17 8	1 5	22 59	0 40	19 21	1 25	13 49	0 49	3 24	1 54	32 56	11 12	22 30	22 17	10 25		n.a.
F 14	17 11	24 36	3 37	21 35	1 43	17 39	1 24	16 56	1 5	22 57	0 40	19 22	1 25	13 50	0 49	3 23	1 54	32 56	11 12	22 29	22 16	10 27		n.a.
S 15	16 54	22 1	4 21	21 11	1 46	17 16	1 25	16 44	1 5	22 55	0 40	19 23	1 25	13 51	0 49	3 22	1 54	32 56	11 12	22 28	22 16	10 30		n.a.
S 16	16 37	18 7	4 50	20 45	1 48	16 53	1 25	16 31	1 5	22 54	0 40	19 23	1 26	13 51	0 49	3 21	1 54	32 56	11 12	22 26	22 15	10 33		n.a.
M17	16 19	13 9	5 3	20 17	1 49	16 29	1 25	16 19	1 5	22 52	0 40	19 24	1 26	13 52	0 49	3 21	1 54	32 56	11 12	22 25	22 15	10 36		n.a.
T 18	16 1	7 25	4 56	19 47	1 50	16 5	1 25	16 6	1 4	22 50	0 40	19 25	1 26	13 53	0 49	3 20	1 54	32 56	11 12	22 24	22 14	10 39		n.a.
W19	15 43	1 16	4 32	19 16	1 50	15 40	1 24	15 53	1 4	22 48	0 40	19 26	1 26	13 54	0 49	3 19	1 54	32 56	11 12	22 22	22 14	10 42		n.a.
T 20	15 25	4s57	3 50	18 43	1 49	15 15	1 24	15 40	1 4	22 46	0 40	19 26	1 26	13 55	0 49	3 18	1 54	32 57	11 12	22 22	22 13	10 45		n.a.
F 21	15 6	10 54	2 54	18 8	1 48	14 50	1 24	15 27	1 4	22 45	0 41	19 27	1 26	13 56	0 49	3 18	1 54	32 57	11 12	22 21	22 13	10 48		n.a.
S 22	14 47	16 14	1 48	17 33	1 46	14 24	1 24	15 14	1 3	22 43	0 41	19 27	1 26	13 56	0 49	3 17	1 54	32 57	11 12	22 21	22 12	10 51		n.a.
S 23	14 28	20 39	0 35	16 56	1 43	13 57	1 23	15 0	1 3	22 41	0 41	19 28	1 26	13 57	0 49	3 16	1 54	32 57	11 11	22 21	22 12	10 54		n.a.
M24	14 9	23 50	0s38	16 18	1 41	13 31	1 23	14 47	1 3	22 39	0 41	19 29	1 26	13 58	0 49	3 15	1 54	32 57	11 11	22 21	22 11	10 57		n.a.
T 25	13 49	25 35	1 49	15 39	1 37	13 4	1 22	14 34	1 3	22 37	0 41	19 29	1 26	13 59	0 49	3 14	1 53	32 57	11 11	22 21	22 11	11 0		n.a.
W26	13 29	25 45	2 52	14 59	1 34	12 36	1 22	14 20	1 2	22 36	0 41	19 30	1 26	14 0	0 49	3 14	1 53	32 57	11 11	22 20	22 10	11 2		n.a.
T 27	13 9	24 24	3 45	14 19	1 30	12 8	1 21	14 6	1 2	22 34	0 41	19 30	1 26	14 0	0 49	3 13	1 53	32 57	11 11	22 19	22 10	11 5		n.a.
F 28	12 49	21 43	4 25	13 38	1 25	11 40	1 20	13 52	1 2	22 32	0 42	19 31	1 26	14 1	0 49	3 12	1 53	32 57	11 11	22 18	22 9	11 8		n.a.
S 29	12 28	17 58	4 50	12 56	1 21	11 12	1 20	13 38	1 2	22 30	0 42	19 31	1 26	14 2	0 49	3 11	1 53	32 57	11 11	22 16	22 9	11 11		n.a.
S 30	12 7	13 27	5 0	12 14	1 16	10 43	1 19	13 24	1 1	22 28	0 42	19 32	1 26	14 3	0 49	3 10	1 53	32 57	11 11	22 14	22 8	11 14		n.a.
M31	11n46	8s26	4s55	11n31	1n11	10n14	1n18	13n10	1n 1	22n26	0n42	19n32	1s27	14s 4	0s49	3n 9	1n53	32s57	11s11	22n12	22n 8	11n17		n.a.

Julian Day Number = 1473630.5, Delta T = 05h28m47s
Ecliptic obliquity = 23°46'40, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'35, Lahiri = -13°19'35 Julian Calendar 1 Aug. 679 BCE == Greg. Calendar 25 July 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

SEPTEMBER 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 10 25	0♍34'51	2♈33	5♍ 2	8♍20	29♌ 1	23♋26	2♊30	25°R11	26♍29	22°R 1	9°R25	9♊ 5	6♉41	n.a.	T 1
W 2	22 14 22	1°34'08	14°41	6°44	9°35	29°40	23°37	2°33	25♒ 9	26°32	22♑ 0	9♊15	9° 2	6°48	n.a.	W 2
T 3	22 18 18	2°33'27	26°38	8°25	10°50	0♍20	23°49	2°35	25° 6	26°34	21°59	9° 8	8°58	6°54	n.a.	T 3
F 4	22 22 15	3°32'49	8♉29	10° 6	12° 5	1° 0	24° 0	2°37	25° 4	26°36	21°59	9° 3	8°55	7° 1	n.a.	F 4
S 5	22 26 12	4°32'14	20°16	11°45	13°20	1°40	24°12	2°39	25° 2	26°38	21°58	9° 1	8°52	7° 8	n.a.	S 5
S 6	22 30 8	5°31'40	2♊ 7	13°24	14°35	2°20	24°23	2°41	24°59	26°40	21°57	9° 1	8°49	7°14	n.a.	S 6
M 7	22 34 5	6°31'10	14° 6	15° 2	15°50	3° 0	24°35	2°43	24°57	26°42	21°56	9° 0	8°46	7°21	n.a.	M 7
T 8	22 38 1	7°30'42	26°18	16°39	17° 5	3°39	24°46	2°45	24°54	26°44	21°55	9° 0	8°42	7°28	n.a.	T 8
W 9	22 41 58	8°30'16	8♋49	18°15	18°20	4°19	24°57	2°46	24°52	26°46	21°54	8°57	8°39	7°34	n.a.	W 9
T 10	22 45 54	9°29'52	21°43	19°51	19°35	4°59	25° 8	2°48	24°50	26°49	21°53	8°53	8°36	7°41	n.a.	T 10
F 11	22 49 51	10°29'31	5♌ 3	21°26	20°50	5°39	25°19	2°49	24°47	26°51	21°53	8°45	8°33	7°48	n.a.	F 11
S 12	22 53 47	11°29'12	18°49	23° 1	22° 5	6°20	25°30	2°50	24°45	26°53	21°52	8°35	8°30	7°54	n.a.	S 12
S 13	22 57 44	12°28'56	3♍ 1	24°35	23°21	7° 0	25°41	2°51	24°43	26°55	21°51	8°23	8°27	8° 1	n.a.	S 13
M14	23 1 41	13°28'41	17°31	26° 8	24°36	7°40	25°52	2°52	24°41	26°57	21°50	8°11	8°23	8° 8	n.a.	M14
T 15	23 5 37	14°28'29	2♎14	27°40	25°51	8°20	26° 2	2°53	24°38	26°59	21°50	8° 0	8°20	8°14	n.a.	T 15
W16	23 9 34	15°28'18	17° 2	29°12	27° 6	9° 0	26°13	2°54	24°36	27° 2	21°49	7°51	8°17	8°21	n.a.	W16
T 17	23 13 30	16°28'10	1♏45	0♎43	28°21	9°40	26°23	2°55	24°34	27° 4	21°48	7°44	8°14	8°28	n.a.	T 17
F 18	23 17 27	17°28'03	16°19	2°14	29°36	10°21	26°34	2°55	24°32	27° 6	21°48	7°41	8°11	8°34	n.a.	F 18
S 19	23 21 23	18°27'59	0♐38	3°44	0♎51	11° 1	26°44	2°56	24°30	27° 8	21°47	7°39	8° 8	8°41	n.a.	S 19
S 20	23 25 20	19°27'56	14°41	5°13	2° 6	11°41	26°54	2°56	24°27	27°11	21°47	7°39	8° 4	8°48	n.a.	S 20
M21	23 29 16	20°27'54	28°28	6°42	3°21	12°22	27° 5	2°56	24°25	27°13	21°46	7°39	8° 1	8°54	n.a.	M21
T 22	23 33 13	21°27'55	12♑ 0	8°10	4°36	13° 2	27°15	2°R56	24°23	27°15	21°45	7°38	7°58	9° 1	n.a.	T 22
W23	23 37 9	22°27'57	25°18	9°38	5°51	13°43	27°25	2°56	24°21	27°17	21°45	7°34	7°55	9° 8	n.a.	W23
T 24	23 41 6	23°28'01	8♒22	11° 5	7° 6	14°23	27°34	2°56	24°19	27°20	21°44	7°27	7°52	9°14	n.a.	T 24
F 25	23 45 3	24°28'07	21°16	12°31	8°21	15° 4	27°44	2°56	24°17	27°22	21°44	7°18	7°48	9°21	n.a.	F 25
S 26	23 48 59	25°28'14	3♓58	13°56	9°36	15°44	27°54	2°56	24°15	27°24	21°43	7° 6	7°45	9°28	n.a.	S 26
S 27	23 52 56	26°28'24	16°29	15°21	10°51	16°25	28° 3	2°55	24°13	27°26	21°43	6°53	7°42	9°34	n.a.	S 27
M28	23 56 52	27°28'35	28°49	16°45	12° 6	17° 6	28°13	2°55	24°11	27°29	21°43	6°40	7°39	9°41	n.a.	M28
T 29	0 0 49	28°28'48	10♈59	18° 8	13°21	17°46	28°22	2°54	24° 9	27°31	21°42	6°28	7°36	9°48	n.a.	T 29
W30	0 4 45	29♍29'03	23♈ 0	19♎31	14♎36	18♍27	28♋31	2♊53	24♒ 8	27♍33	21♑42	6♊18	7♊33	9♉54	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n25	3s11	4s37	10n48	1n 5	9n45	1n17	12n56	1n 1	22n24	0n42	19n32	1s27	14s 5	0s49	3n 9	1n53	32s58	11s10	22n11	22n 7	11n20		n.a.
W 2	11 4	2n 6	4 6	10 5	0 59	9 15	1 16	12 41	1 1	22 22	0 42	19 33	1 27	14 5	0 49	3 8	1 53	32 58	11 10	22 9	22 7	11 23		n.a.
T 3	10 43	7 15	3 24	9 21	0 54	8 46	1 15	12 27	1 0	22 21	0 43	19 33	1 27	14 6	0 49	3 7	1 53	32 58	11 10	22 8	22 6	11 26		n.a.
F 4	10 21	12 6	2 34	8 37	0 48	8 16	1 14	12 12	1 0	22 19	0 43	19 34	1 27	14 7	0 49	3 6	1 53	32 58	11 10	22 7	22 6	11 29		n.a.
S 5	9 59	16 30	1 38	7 53	0 41	7 45	1 13	11 58	1 0	22 17	0 43	19 34	1 27	14 8	0 49	3 5	1 53	32 58	11 10	22 7	22 5	11 31		n.a.
S 6	9 37	20 17	0 36	7 9	0 35	7 15	1 11	11 43	0 59	22 15	0 43	19 34	1 27	14 9	0 49	3 4	1 53	32 58	11 10	22 7	22 5	11 34		n.a.
M 7	9 15	23 16	0n27	6 25	0 29	6 44	1 10	11 28	0 59	22 13	0 43	19 34	1 27	14 9	0 49	3 3	1 53	32 58	11 10	22 7	22 4	11 37		n.a.
T 8	8 52	25 14	1 30	5 41	0 22	6 13	1 9	11 13	0 59	22 11	0 43	19 35	1 27	14 10	0 49	3 2	1 53	32 58	11 9	22 7	22 4	11 40		n.a.
W 9	8 30	25 59	2 31	4 57	0 16	5 42	1 7	10 58	0 59	22 9	0 44	19 35	1 27	14 11	0 49	3 2	1 53	32 58	11 9	22 6	22 3	11 43		n.a.
T 10	8 7	25 22	3 25	4 13	0 9	5 11	1 6	10 43	0 58	22 7	0 44	19 35	1 27	14 12	0 49	3 1	1 53	32 58	11 9	22 6	22 3	11 46		n.a.
F 11	7 44	23 19	4 11	3 29	0 2	4 40	1 4	10 28	0 58	22 6	0 44	19 35	1 27	14 13	0 49	3 0	1 53	32 58	11 9	22 4	22 2	11 49		n.a.
S 12	7 21	19 52	4 43	2 45	0s 5	4 8	1 3	10 12	0 58	22 4	0 44	19 36	1 27	14 13	0 49	2 59	1 53	32 58	11 9	22 3	22 2	11 52		n.a.
S 13	6 58	15 11	4 59	2 1	0 11	3 37	1 1	9 57	0 57	22 2	0 44	19 36	1 28	14 14	0 49	2 58	1 53	32 58	11 9	22 1	22 1	11 55		n.a.
M14	6 35	9 32	4 56	1 17	0 18	3 5	0 59	9 42	0 57	22 0	0 44	19 36	1 28	14 15	0 49	2 57	1 53	32 57	11 8	21 59	22 1	11 57		n.a.
T 15	6 12	3 17	4 34	0 33	0 25	2 33	0 58	9 26	0 57	21 58	0 45	19 36	1 28	14 16	0 49	2 56	1 53	32 57	11 8	21 57	22 0	12 0		n.a.
W16	5 48	3s11	3 54	0s10	0 32	2 1	0 56	9 11	0 56	21 56	0 45	19 36	1 28	14 16	0 49	2 55	1 53	32 57	11 8	21 56	22 0	12 3		n.a.
T 17	5 25	9 29	2 58	0 53	0 39	1 30	0 54	8 55	0 56	21 54	0 45	19 36	1 28	14 17	0 49	2 54	1 53	32 57	11 8	21 55	21 59	12 6		n.a.
F 18	5 1	15 11	1 50	1 36	0 46	0 58	0 52	8 39	0 56	21 53	0 45	19 36	1 28	14 18	0 49	2 54	1 53	32 57	11 8	21 54	21 59	12 9		n.a.
S 19	4 37	19 58	0 37	2 18	0 52	0 26	0 50	8 23	0 55	21 51	0 45	19 36	1 28	14 19	0 49	2 53	1 53	32 57	11 8	21 54	21 58	12 12		n.a.
S 20	4 14	23 30	0s37	3 0	0 59	0s 6	0 48	8 7	0 55	21 49	0 45	19 36	1 28	14 19	0 49	2 52	1 53	32 57	11 7	21 54	21 58	12 15		n.a.
M21	3 50	25 34	1 48	3 42	1 6	0 39	0 46	7 51	0 55	21 47	0 46	19 36	1 28	14 20	0 49	2 51	1 53	32 57	11 7	21 54	21 57	12 18		n.a.
T 22	3 26	26 4	2 51	4 24	1 13	1 11	0 44	7 35	0 54	21 45	0 46	19 36	1 28	14 21	0 49	2 50	1 53	32 57	11 7	21 53	21 57	12 20		n.a.
W23	3 2	25 3	3 44	5 5	1 19	1 43	0 42	7 19	0 54	21 44	0 46	19 36	1 28	14 21	0 49	2 49	1 53	32 57	11 7	21 53	21 56	12 23		n.a.
T 24	2 38	22 40	4 24	5 45	1 25	2 15	0 40	7 3	0 54	21 42	0 46	19 36	1 28	14 22	0 49	2 48	1 53	32 57	11 7	21 52	21 56	12 26		n.a.
F 25	2 14	19 11	4 50	6 25	1 32	2 47	0 38	6 47	0 53	21 40	0 46	19 36	1 28	14 23	0 49	2 47	1 53	32 57	11 6	21 50	21 55	12 29		n.a.
S 26	1 49	14 51	5 1	7 5	1 38	3 19	0 36	6 31	0 53	21 38	0 47	19 36	1 29	14 23	0 49	2 46	1 53	32 56	11 6	21 48	21 55	12 32		n.a.
S 27	1 25	9 58	4 57	7 43	1 44	3 50	0 34	6 14	0 53	21 36	0 47	19 35	1 29	14 24	0 49	2 45	1 53	32 56	11 6	21 46	21 54	12 35		n.a.
M28	1 1	4 44	4 40	8 22	1 50	4 22	0 31	5 58	0 52	21 35	0 47	19 35	1 29	14 25	0 49	2 45	1 53	32 56	11 6	21 44	21 54	12 38		n.a.
T 29	0 37	0n35	4 9	8 59	1 56	4 54	0 29	5 42	0 52	21 33	0 47	19 35	1 29	14 25	0 49	2 44	1 53	32 56	11 5	21 42	21 53	12 41		n.a.
W30	0n12	5n51	3s28	9s36	2s 1	5s25	0n27	5n25	0n52	21n31	0n47	19n35	1s29	14s26	0s49	2n43	1n53	32s56	11s 5	21n40	21n53	12n43		n.a.

Julian Day Number = 1473661.5, Delta T = 05h28m46s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'31, Lahiri = -13°19'30 Julian Calendar 1 Sept. 679 BCE == Greg. Calendar 25 Aug. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

OCTOBER 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 8 42	0♎29'20	4♉53	20♎52	15♎51	19♍ 8	28♋40	2°R52	24°R 6	27♍35	21°R42	6°R11	7♊29	10♉ 1	n.a.	T 1
F 2	0 12 38	1°29'39	16°41	22°12	17° 6	19°48	28°49	2♊51	24♒ 4	27°37	21♑41	6♊ 6	7°26	10° 8	n.a.	F 2
S 3	0 16 35	2°30'00	28°27	23°31	18°21	20°29	28°58	2°50	24° 2	27°40	21°41	6° 4	7°23	10°14	n.a.	S 3
S 4	0 20 32	3°30'24	10♊16	24°49	19°37	21°10	29° 7	2°49	24° 1	27°42	21°41	6°D 4	7°20	10°21	n.a.	S 4
M 5	0 24 28	4°30'49	22°13	26° 5	20°52	21°51	29°16	2°47	23°59	27°44	21°41	6° 5	7°17	10°28	n.a.	M 5
T 6	0 28 25	5°31'16	4♋22	27°20	22° 7	22°32	29°24	2°46	23°57	27°46	21°40	6°R 5	7°14	10°34	n.a.	T 6
W 7	0 32 21	6°31'46	16°50	28°34	23°22	23°13	29°33	2°44	23°56	27°49	21°40	6° 5	7°10	10°41	n.a.	W 7
T 8	0 36 18	7°32'17	29°40	29°45	24°37	23°54	29°41	2°43	23°54	27°51	21°40	6° 2	7° 7	10°48	n.a.	T 8
F 9	0 40 14	8°32'51	12♌58	0♏54	25°52	24°35	29°49	2°41	23°53	27°53	21°40	5°57	7° 4	10°54	n.a.	F 9
S 10	0 44 11	9°33'26	26°45	2° 1	27° 7	25°16	29°57	2°39	23°51	27°55	21°40	5°50	7° 1	11° 1	n.a.	S 10
S 11	0 48 7	10°34'03	11♍ 0	3° 5	28°22	25°57	0♌ 5	2°37	23°50	27°58	21°40	5°42	6°58	11° 8	n.a.	S 11
M12	0 52 4	11°34'42	25°41	4° 6	29°36	26°39	0°13	2°35	23°48	28° 0	21°40	5°33	6°54	11°14	n.a.	M12
T 13	0 56 0	12°35'23	10♎40	5° 4	0♏51	27°20	0°20	2°33	23°47	28° 2	21°D40	5°24	6°51	11°21	n.a.	T 13
W14	0 59 57	13°36'05	25°47	5°58	2° 6	28° 1	0°28	2°30	23°46	28° 4	21°40	5°18	6°48	11°28	n.a.	W14
T 15	1 3 54	14°36'49	10♏53	6°47	3°21	28°42	0°35	2°28	23°44	28° 6	21°40	5°13	6°45	11°34	n.a.	T 15
F 16	1 7 50	15°37'34	25°49	7°32	4°36	29°24	0°42	2°25	23°43	28° 9	21°40	5°11	6°42	11°41	n.a.	F 16
S 17	1 11 47	16°38'20	10♐28	8°11	5°51	0♎ 5	0°49	2°23	23°42	28°11	21°40	5°D10	6°39	11°47	n.a.	S 17
S 18	1 15 43	17°39'08	24°45	8°43	7° 6	0°46	0°56	2°20	23°41	28°13	21°40	5°11	6°35	11°54	n.a.	S 18
M19	1 19 40	18°39'57	8♑40	9° 9	8°21	1°28	1° 3	2°17	23°40	28°15	21°40	5°12	6°32	12° 1	n.a.	M19
T 20	1 23 36	19°40'47	22°12	9°27	9°36	2° 9	1°10	2°14	23°39	28°17	21°40	5°R13	6°29	12° 7	n.a.	T 20
W21	1 27 33	20°41'38	5♒24	9°36	10°51	2°51	1°16	2°11	23°37	28°19	21°41	5°12	6°26	12°14	n.a.	W21
T 22	1 31 30	21°42'30	18°18	9°R37	12° 6	3°32	1°23	2° 8	23°37	28°21	21°41	5° 8	6°23	12°21	n.a.	T 22
F 23	1 35 26	22°43'23	0♓57	9°27	13°21	4°14	1°29	2° 5	23°36	28°23	21°41	5° 3	6°19	12°27	n.a.	F 23
S 24	1 39 23	23°44'17	13°23	9° 6	14°36	4°56	1°35	2° 2	23°35	28°26	21°41	4°56	6°16	12°34	n.a.	S 24
S 25	1 43 19	24°45'12	25°38	8°35	15°51	5°37	1°41	1°58	23°34	28°28	21°42	4°49	6°13	12°41	n.a.	S 25
M26	1 47 16	25°46'08	7♈45	7°53	17° 5	6°19	1°46	1°55	23°33	28°30	21°42	4°41	6°10	12°47	n.a.	M26
T 27	1 51 12	26°47'06	19°45	7° 0	18°20	7° 1	1°52	1°51	23°32	28°32	21°42	4°34	6° 7	12°54	n.a.	T 27
W28	1 55 9	27°48'04	1♉38	5°58	19°35	7°43	1°57	1°48	23°32	28°34	21°43	4°28	6° 4	13° 1	n.a.	W28
T 29	1 59 5	28°49'04	13°28	4°47	20°50	8°24	2° 2	1°44	23°31	28°36	21°43	4°24	6° 0	13° 7	n.a.	T 29
F 30	2 3 2	29°50'05	25°15	3°29	22° 5	9° 6	2° 8	1°40	23°31	28°38	21°43	4°22	5°57	13°14	n.a.	F 30
S 31	2 6 58	0♏51'07	7♊ 3	2♏ 8	23♏19	9♎48	2♌12	1♊36	23♒30	28♍40	21♑44	4°D21	5♊54	13♉21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s12	10n51	2s38	10s12	2s 6	5s57	0n25	5n 9	0n51	21n30	0n48	19n35	1s29	14s26	0s49	2n42	1n53	32s56	11s 5	21n39	21n52	12n46			n.a.
F 2	0 36	15 26	1 42	10 47	2 11	6 28	0 22	4 52	0 51	21 28	0 48	19 34	1 29	14 27	0 49	2 41	1 53	32 56	11 5	21 38	21 52	12 49			n.a.
S 3	1 0	19 26	0 41	11 22	2 16	6 59	0 20	4 35	0 50	21 26	0 48	19 34	1 29	14 27	0 49	2 40	1 53	32 55	11 5	21 38	21 51	12 52			n.a.
S 4	1 25	22 41	0n23	11 55	2 21	7 31	0 17	4 19	0 50	21 25	0 48	19 34	1 29	14 28	0 48	2 39	1 53	32 55	11 4	21 37	21 51	12 55			n.a.
M 5	1 49	24 58	1 25	12 27	2 25	8 1	0 15	4 2	0 50	21 23	0 48	19 33	1 29	14 29	0 48	2 38	1 53	32 55	11 4	21 38	21 50	12 58			n.a.
T 6	2 13	26 8	2 26	12 59	2 29	8 32	0 12	3 45	0 49	21 21	0 49	19 33	1 29	14 29	0 48	2 37	1 53	32 55	11 4	21 38	21 49	13 0			n.a.
W 7	2 38	26 1	3 20	13 29	2 32	9 3	0 10	3 29	0 49	21 20	0 49	19 33	1 29	14 30	0 48	2 36	1 53	32 55	11 4	21 38	21 49	13 3			n.a.
T 8	3 2	24 32	4 7	13 57	2 35	9 33	0 8	3 12	0 48	21 18	0 49	19 32	1 29	14 30	0 48	2 36	1 53	32 54	11 3	21 37	21 48	13 6			n.a.
F 9	3 26	21 39	4 42	14 24	2 37	10 3	0 5	2 55	0 48	21 17	0 49	19 32	1 29	14 31	0 48	2 35	1 53	32 54	11 3	21 36	21 48	13 9			n.a.
S 10	3 50	17 29	5 2	14 50	2 39	10 33	0 3	2 38	0 48	21 15	0 50	19 31	1 29	14 31	0 48	2 34	1 53	32 54	11 3	21 35	21 47	13 12			n.a.
S 11	4 14	12 13	5 5	15 14	2 41	11 2	0s 0	2 21	0 47	21 14	0 50	19 31	1 29	14 32	0 48	2 33	1 53	32 54	11 3	21 34	21 47	13 15			n.a.
M12	4 38	6 7	4 47	15 36	2 42	11 32	0 3	2 4	0 47	21 12	0 50	19 31	1 29	14 32	0 48	2 32	1 53	32 54	11 3	21 32	21 46	13 17			n.a.
T 13	5 3	0s27	4 10	15 56	2 42	12 1	0 5	1 47	0 46	21 11	0 50	19 30	1 30	14 32	0 48	2 31	1 53	32 53	11 2	21 30	21 46	13 20			n.a.
W14	5 26	7 4	3 16	16 13	2 41	12 30	0 8	1 30	0 46	21 9	0 50	19 30	1 30	14 33	0 48	2 30	1 53	32 53	11 2	21 29	21 45	13 23			n.a.
T 15	5 50	13 18	2 7	16 29	2 40	12 58	0 10	1 13	0 46	21 8	0 51	19 29	1 30	14 33	0 48	2 29	1 53	32 53	11 2	21 28	21 45	13 26			n.a.
F 16	6 14	18 40	0 50	16 41	2 37	13 26	0 13	0 56	0 45	21 7	0 51	19 29	1 30	14 34	0 48	2 29	1 53	32 53	11 2	21 28	21 44	13 29			n.a.
S 17	6 38	22 48	0s29	16 51	2 34	13 54	0 15	0 39	0 45	21 5	0 51	19 28	1 30	14 34	0 48	2 28	1 53	32 52	11 1	21 28	21 44	13 32			n.a.
S 18	7 1	25 24	1 44	16 57	2 29	14 22	0 18	0 22	0 44	21 4	0 51	19 27	1 30	14 34	0 48	2 27	1 53	32 52	11 1	21 28	21 43	13 34			n.a.
M19	7 25	26 20	2 51	17 0	2 23	14 49	0 20	0 5	0 44	21 3	0 52	19 27	1 30	14 35	0 48	2 26	1 53	32 52	11 1	21 28	21 42	13 37			n.a.
T 20	7 48	25 39	3 47	16 59	2 16	15 15	0 23	0s12	0 43	21 2	0 52	19 26	1 30	14 35	0 48	2 25	1 53	32 52	11 1	21 28	21 42	13 40			n.a.
W21	8 11	23 31	4 29	16 54	2 8	15 42	0 26	0 30	0 43	21 0	0 52	19 26	1 30	14 35	0 48	2 24	1 53	32 51	11 0	21 28	21 41	13 43			n.a.
T 22	8 35	20 14	4 56	16 45	1 57	16 8	0 28	0 47	0 43	20 59	0 52	19 25	1 30	14 36	0 48	2 24	1 53	32 51	11 0	21 28	21 41	13 46			n.a.
F 23	8 58	16 5	5 9	16 31	1 46	16 33	0 31	1 4	0 42	20 58	0 53	19 24	1 30	14 36	0 48	2 23	1 53	32 51	11 0	21 27	21 40	13 48			n.a.
S 24	9 20	11 19	5 6	16 11	1 32	16 58	0 33	1 21	0 42	20 57	0 53	19 24	1 30	14 36	0 48	2 22	1 53	32 51	11 0	21 25	21 40	13 51			n.a.
S 25	9 43	6 10	4 49	15 47	1 17	17 23	0 36	1 38	0 41	20 56	0 53	19 23	1 30	14 36	0 48	2 21	1 53	32 50	11 0	21 24	21 39	13 54			n.a.
M26	10 6	0 51	4 20	15 18	1 1	17 47	0 38	1 55	0 41	20 55	0 53	19 22	1 30	14 37	0 48	2 20	1 54	32 50	10 59	21 23	21 39	13 57			n.a.
T 27	10 28	4n27	3 39	14 43	0 43	18 11	0 41	2 12	0 40	20 54	0 54	19 22	1 30	14 37	0 48	2 20	1 54	32 50	10 59	21 21	21 38	14 0			n.a.
W28	10 50	9 34	2 49	14 4	0 24	18 34	0 43	2 30	0 40	20 53	0 54	19 21	1 30	14 37	0 48	2 19	1 54	32 49	10 59	21 20	21 37	14 3			n.a.
T 29	11 12	14 20	1 52	13 21	0 4	18 57	0 46	2 47	0 39	20 52	0 54	19 20	1 30	14 37	0 48	2 18	1 54	32 49	10 59	21 19	21 37	14 5			n.a.
F 30	11 34	18 33	0 50	12 35	0n17	19 19	0 48	3 4	0 39	20 51	0 54	19 19	1 30	14 37	0 48	2 17	1 54	32 49	10 58	21 19	21 36	14 8			n.a.
S 31	11s56	22n 2	0n15	11s48	0n38	19s41	0s50	3s21	0n38	20n50	0n55	19n18	1s30	14s37	0s48	2n16	1n54	32s48	10s58	21n19	21n36	14n11			n.a.

Julian Day Number = 1473691.5, Delta T = 05h28m44s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'27, Lahiri = -13°19'26 Julian Calendar 1 Oct. 679 BCE == Greg. Calendar 24 Sept. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

NOVEMBER 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 10 55	1♏52'10	18♊54	0°R45	24♏34	10♎30	2♌17	1°R33	23°R30	28♍42	21♑44	4♊22	5♊51	13♉27	n.a.	S 1
M 2	2 14 52	2°53'14	0♋53	29♎24	25°49	11°12	2°22	1♊29	23♒29	28°44	21°45	4°24	5°48	13°34	n.a.	M 2
T 3	2 18 48	3°54'20	13° 2	28° 6	27° 4	11°54	2°26	1°24	23°29	28°46	21°45	4°26	5°45	13°41	n.a.	T 3
W 4	2 22 45	4°55'26	25°27	26°56	28°19	12°36	2°30	1°20	23°28	28°47	21°46	4°27	5°41	13°47	n.a.	W 4
T 5	2 26 41	5°56'34	8♌13	25°54	29°33	13°18	2°34	1°16	23°28	28°49	21°47	4°R28	5°38	13°54	n.a.	T 5
F 6	2 30 38	6°57'43	21°23	25° 2	0♐48	14° 0	2°38	1°12	23°28	28°51	21°47	4°27	5°35	14° 1	n.a.	F 6
S 7	2 34 34	7°58'53	5♍ 0	24°20	2° 3	14°43	2°42	1° 8	23°28	28°53	21°48	4°25	5°32	14° 7	n.a.	S 7
S 8	2 38 31	9° 0'04	19° 6	23°50	3°17	15°25	2°45	1° 3	23°28	28°55	21°49	4°22	5°29	14°14	n.a.	S 8
M 9	2 42 28	10° 1'16	3♎39	23°32	4°32	16° 7	2°49	0°59	23°28	28°57	21°49	4°18	5°25	14°21	n.a.	M 9
T 10	2 46 24	11° 2'29	18°34	23°D24	5°47	16°49	2°52	0°54	23°D28	28°59	21°50	4°15	5°22	14°27	n.a.	T 10
W11	2 50 21	12° 3'42	3♏44	23°26	7° 1	17°32	2°55	0°50	23°28	29° 0	21°51	4°12	5°19	14°34	n.a.	W11
T 12	2 54 17	13° 4'57	19° 0	23°38	8°16	18°14	2°58	0°45	23°28	29° 2	21°51	4°10	5°16	14°41	n.a.	T 12
F 13	2 58 14	14° 6'12	4♐11	23°59	9°31	18°57	3° 0	0°40	23°28	29° 4	21°52	4°D 9	5°13	14°47	n.a.	F 13
S 14	3 2 10	15° 7'27	19° 7	24°27	10°45	19°39	3° 3	0°36	23°28	29° 5	21°53	4°10	5°10	14°54	n.a.	S 14
S 15	3 6 7	16° 8'43	3♑43	25° 3	12° 0	20°22	3° 5	0°31	23°28	29° 7	21°54	4°11	5° 6	15° 1	n.a.	S 15
M16	3 10 3	17° 9'59	17°52	25°45	13°15	21° 4	3° 7	0°26	23°28	29° 9	21°55	4°12	5° 3	15° 7	n.a.	M16
T 17	3 14 0	18°11'14	1♒36	26°33	14°29	21°47	3° 9	0°21	23°29	29°10	21°56	4°14	5° 0	15°14	n.a.	T 17
W18	3 17 57	19°12'30	14°53	27°25	15°44	22°29	3°10	0°17	23°29	29°12	21°57	4°R14	4°57	15°21	n.a.	W18
T 19	3 21 53	20°13'46	27°47	28°22	16°58	23°12	3°12	0°12	23°30	29°14	21°58	4°14	4°54	15°27	n.a.	T 19
F 20	3 25 50	21°15'02	10♓22	29°23	18°13	23°55	3°13	0° 7	23°30	29°15	21°58	4°13	4°51	15°34	n.a.	F 20
S 21	3 29 46	22°16'18	22°40	0♏27	19°27	24°37	3°14	0° 2	23°31	29°17	21°59	4°12	4°47	15°40	n.a.	S 21
S 22	3 33 43	23°17'34	4♈47	1°35	20°42	25°20	3°15	29♉57	23°31	29°18	22° 0	4°10	4°44	15°47	n.a.	S 22
M23	3 37 39	24°18'50	16°44	2°44	21°56	26° 3	3°16	29°52	23°32	29°20	22° 1	4° 9	4°41	15°54	n.a.	M23
T 24	3 41 36	25°20'05	28°36	3°57	23°10	26°46	3°16	29°47	23°33	29°21	22° 2	4° 7	4°38	16° 0	n.a.	T 24
W25	3 45 32	26°21'21	10♉25	5°11	24°25	27°28	3°17	29°42	23°33	29°23	22° 4	4° 6	4°35	16° 7	n.a.	W25
T 26	3 49 29	27°22'37	22°13	6°27	25°39	28°11	3°R17	29°37	23°34	29°24	22° 5	4° 6	4°31	16°14	n.a.	T 26
F 27	3 53 26	28°23'53	4♊ 2	7°45	26°53	28°54	3°17	29°32	23°35	29°25	22° 6	4°D 6	4°28	16°20	n.a.	F 27
S 28	3 57 22	29°25'08	15°56	9° 4	28° 8	29°37	3°16	29°27	23°36	29°27	22° 7	4° 6	4°25	16°27	n.a.	S 28
S 29	4 1 19	0♐26'24	27°55	10°24	29°22	0♏20	3°16	29°22	23°37	29°28	22° 8	4° 6	4°22	16°34	n.a.	S 29
M30	4 5 15	1♐27'40	10♋ 1	11♏46	0♑36	1♏ 3	3♌15	29♉17	23♒38	29♍29	22♑ 9	4♊ 6	4♊19	16♉40	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s17	24n37	1n19	11s 0	0n58	20s 2	0s53	3s38	0n38	20n49	0n55	19n18	1s30	14s38	0s48	2n16	1n54	32s48	10s58	21n19	21n35	14n14		n.a.
M 2	12 39	26 7	2 20	10 13	1 17	20 22	0 55	3 55	0 37	20 48	0 55	19 17	1 30	14 38	0 48	2 15	1 54	32 48	10 58	21 19	21 35	14 16		n.a.
T 3	13 0	26 23	3 16	9 29	1 35	20 42	0 57	4 12	0 37	20 48	0 55	19 16	1 30	14 38	0 47	2 14	1 54	32 48	10 57	21 20	21 34	14 19		n.a.
W 4	13 21	25 21	4 5	8 48	1 51	21 2	1 0	4 29	0 36	20 47	0 56	19 15	1 30	14 38	0 47	2 13	1 54	32 47	10 57	21 20	21 33	14 22		n.a.
T 5	13 41	23 0	4 42	8 13	2 5	21 21	1 2	4 47	0 36	20 46	0 56	19 14	1 30	14 38	0 47	2 13	1 54	32 47	10 57	21 20	21 33	14 25		n.a.
F 6	14 2	19 24	5 6	7 43	2 16	21 39	1 4	5 4	0 35	20 46	0 56	19 14	1 30	14 38	0 47	2 12	1 54	32 47	10 57	21 20	21 32	14 28		n.a.
S 7	14 22	14 40	5 14	7 18	2 26	21 57	1 6	5 21	0 35	20 45	0 57	19 13	1 30	14 38	0 47	2 11	1 54	32 46	10 57	21 19	21 32	14 30		n.a.
S 8	14 42	9 1	5 4	7 0	2 34	22 14	1 8	5 38	0 34	20 44	0 57	19 12	1 30	14 38	0 47	2 11	1 54	32 46	10 56	21 19	21 31	14 33		n.a.
M 9	15 2	2 43	4 34	6 48	2 39	22 30	1 10	5 55	0 34	20 44	0 57	19 11	1 30	14 38	0 47	2 10	1 54	32 46	10 56	21 18	21 31	14 36		n.a.
T 10	15 21	3s54	3 46	6 42	2 43	22 46	1 12	6 11	0 33	20 44	0 57	19 10	1 30	14 38	0 47	2 9	1 54	32 45	10 56	21 18	21 30	14 39		n.a.
W11	15 40	10 26	2 40	6 40	2 45	23 1	1 15	6 28	0 33	20 43	0 58	19 9	1 30	14 38	0 47	2 9	1 54	32 45	10 56	21 17	21 29	14 41		n.a.
T 12	15 59	16 23	1 23	6 44	2 46	23 15	1 16	6 45	0 32	20 43	0 58	19 8	1 30	14 38	0 47	2 8	1 54	32 45	10 55	21 17	21 29	14 44		n.a.
F 13	16 18	21 17	0s 0	6 53	2 45	23 29	1 18	7 2	0 32	20 42	0 58	19 7	1 30	14 38	0 47	2 7	1 54	32 44	10 55	21 17	21 28	14 47		n.a.
S 14	16 36	24 41	1 22	7 5	2 43	23 42	1 20	7 19	0 31	20 42	0 58	19 6	1 30	14 38	0 47	2 7	1 54	32 44	10 55	21 17	21 28	14 50		n.a.
S 15	16 54	26 20	2 36	7 21	2 40	23 54	1 22	7 36	0 30	20 42	0 59	19 5	1 30	14 37	0 47	2 6	1 54	32 43	10 55	21 17	21 27	14 52		n.a.
M16	17 12	26 11	3 39	7 40	2 37	24 6	1 24	7 52	0 30	20 42	0 59	19 4	1 29	14 37	0 47	2 5	1 54	32 43	10 55	21 17	21 27	14 55		n.a.
T 17	17 29	24 25	4 27	8 1	2 32	24 17	1 26	8 9	0 29	20 41	0 59	19 3	1 29	14 37	0 47	2 5	1 54	32 43	10 54	21 17	21 26	14 58		n.a.
W18	17 46	21 21	4 59	8 25	2 27	24 27	1 27	8 26	0 29	20 41	1 0	19 2	1 29	14 37	0 47	2 4	1 55	32 42	10 54	21 17	21 25	15 1		n.a.
T 19	18 3	17 19	5 15	8 51	2 22	24 36	1 29	8 42	0 28	20 41	1 0	19 2	1 29	14 37	0 47	2 4	1 55	32 42	10 54	21 17	21 25	15 3		n.a.
F 20	18 20	12 38	5 15	9 18	2 16	24 45	1 30	8 59	0 28	20 41	1 0	19 1	1 29	14 37	0 47	2 3	1 55	32 42	10 54	21 17	21 24	15 6		n.a.
S 21	18 36	7 32	5 1	9 47	2 9	24 53	1 32	9 15	0 27	20 41	1 0	19 0	1 29	14 36	0 47	2 2	1 55	32 41	10 54	21 17	21 24	15 9		n.a.
S 22	18 52	2 15	4 33	10 17	2 2	25 0	1 33	9 31	0 27	20 41	1 1	18 59	1 29	14 36	0 47	2 2	1 55	32 41	10 53	21 17	21 23	15 12		n.a.
M23	19 7	3n 5	3 54	10 47	1 55	25 6	1 35	9 48	0 26	20 41	1 1	18 58	1 29	14 36	0 47	2 1	1 55	32 41	10 53	21 16	21 22	15 14		n.a.
T 24	19 22	8 15	3 5	11 19	1 48	25 12	1 36	10 4	0 25	20 42	1 1	18 57	1 29	14 36	0 47	2 1	1 55	32 40	10 53	21 16	21 22	15 17		n.a.
W25	19 37	13 8	2 8	11 51	1 41	25 17	1 37	10 20	0 25	20 42	1 2	18 56	1 29	14 35	0 47	2 0	1 55	32 40	10 53	21 16	21 21	15 20		n.a.
T 26	19 51	17 32	1 6	12 23	1 33	25 21	1 39	10 36	0 24	20 42	1 2	18 55	1 29	14 35	0 47	2 0	1 55	32 40	10 53	21 16	21 21	15 23		n.a.
F 27	20 5	21 15	0 0	12 56	1 26	25 24	1 40	10 52	0 24	20 42	1 2	18 54	1 29	14 35	0 47	1 59	1 55	32 39	10 53	21 16	21 20	15 25		n.a.
S 28	20 19	24 6	1n 5	13 29	1 18	25 27	1 41	11 8	0 23	20 43	1 2	18 53	1 29	14 34	0 46	1 59	1 55	32 39	10 52	21 16	21 20	15 28		n.a.
S 29	20 32	25 54	2 9	14 2	1 10	25 28	1 42	11 24	0 22	20 43	1 3	18 52	1 28	14 34	0 46	1 58	1 55	32 38	10 52	21 16	21 19	15 31		n.a.
M30	20s45	26n30	3n 7	14s35	1n 3	25s29	1s43	11s40	0n22	20n44	1n 3	18n51	1s28	14s34	0s46	1n58	1n55	32s38	10s52	21n16	21n18	15n34		n.a.

Julian Day Number = 1473722.5, Delta T = 05h28m43s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'22, Lahiri = -13°19'22 Julian Calendar 1 Nov. 679 BCE == Greg. Calendar 25 Oct. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 679 BCE
geocentric

DECEMBER 679 BCE (-678) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 9 12	2♐28'56	22♋19	13♏ 9	1♑50	1♏46	3°R14	29°R12	23♒39	29♍31	22♑10	4♊ 7	4♊16	16♉47	n.a.	T 1
W 2	4 13 8	3°30'12	4♌49	14°32	3° 4	2°29	3♌13	29♉ 7	23°40	29°32	22°12	4° 7	4°12	16°54	n.a.	W 2
T 3	4 17 5	4°31'27	17°36	15°57	4°19	3°13	3°12	29° 2	23°41	29°33	22°13	4°R 7	4° 9	17° 0	n.a.	T 3
F 4	4 21 2	5°32'43	0♍43	17°22	5°33	3°56	3°11	28°57	23°43	29°34	22°14	4°D 7	4° 6	17° 7	n.a.	F 4
S 5	4 24 58	6°33'59	14°11	18°48	6°47	4°39	3° 9	28°53	23°44	29°35	22°15	4° 7	4° 3	17°14	n.a.	S 5
S 6	4 28 55	7°35'14	28° 2	20°15	8° 1	5°22	3° 7	28°48	23°45	29°36	22°17	4° 7	4° 0	17°20	n.a.	S 6
M 7	4 32 51	8°36'30	12♎17	21°42	9°15	6° 6	3° 5	28°43	23°46	29°38	22°18	4° 7	3°57	17°27	n.a.	M 7
T 8	4 36 48	9°37'45	26°54	23°10	10°29	6°49	3° 3	28°38	23°48	29°39	22°19	4° 8	3°53	17°34	n.a.	T 8
W 9	4 40 44	10°39'00	11♏48	24°39	11°43	7°32	3° 0	28°33	23°49	29°40	22°21	4° 8	3°50	17°40	n.a.	W 9
T 10	4 44 41	11°40'15	26°53	26° 8	12°57	8°16	2°58	28°28	23°51	29°41	22°22	4°R 9	3°47	17°47	n.a.	T 10
F 11	4 48 37	12°41'29	12♐ 0	27°38	14°11	8°59	2°55	28°24	23°52	29°42	22°23	4° 9	3°44	17°54	n.a.	F 11
S 12	4 52 34	13°42'43	27° 0	29° 8	15°25	9°43	2°52	28°19	23°54	29°43	22°25	4° 8	3°41	18° 0	n.a.	S 12
S 13	4 56 31	14°43'56	11♑44	0♐39	16°38	10°26	2°49	28°14	23°56	29°43	22°26	4° 7	3°37	18° 7	n.a.	S 13
M14	5 0 27	15°45'08	26° 5	2°10	17°52	11°10	2°46	28° 9	23°57	29°44	22°27	4° 6	3°34	18°13	n.a.	M14
T 15	5 4 24	16°46'20	10♒ 1	3°42	19° 6	11°53	2°42	28° 5	23°59	29°45	22°29	4° 4	3°31	18°20	n.a.	T 15
W16	5 8 20	17°47'30	23°29	5°15	20°20	12°37	2°38	28° 0	24° 1	29°46	22°30	4° 3	3°28	18°27	n.a.	W16
T 17	5 12 17	18°48'39	6♓30	6°48	21°33	13°21	2°34	27°56	24° 3	29°47	22°32	4° 1	3°25	18°33	n.a.	T 17
F 18	5 16 13	19°49'47	19° 8	8°22	22°47	14° 4	2°30	27°51	24° 4	29°47	22°33	4°D 1	3°22	18°40	n.a.	F 18
S 19	5 20 10	20°50'53	1♈27	9°56	24° 0	14°48	2°26	27°47	24° 6	29°48	22°35	4° 1	3°18	18°47	n.a.	S 19
S 20	5 24 7	21°51'59	13°31	11°31	25°14	15°32	2°22	27°43	24° 8	29°49	22°36	4° 2	3°15	18°53	n.a.	S 20
M21	5 28 3	22°53'03	25°24	13° 6	26°27	16°16	2°17	27°38	24°10	29°49	22°38	4° 4	3°12	19° 0	n.a.	M21
T 22	5 32 0	23°54'07	7♉13	14°42	27°41	16°59	2°12	27°34	24°12	29°50	22°39	4° 6	3° 9	19° 7	n.a.	T 22
W23	5 35 56	24°55'09	19° 0	16°18	28°54	17°43	2° 8	27°30	24°14	29°51	22°41	4° 7	3° 6	19°13	n.a.	W23
T 24	5 39 53	25°56'09	0♊49	17°55	0♒ 7	18°27	2° 3	27°26	24°17	29°51	22°42	4°R 8	3° 3	19°20	n.a.	T 24
F 25	5 43 49	26°57'09	12°43	19°33	1°20	19°11	1°57	27°22	24°19	29°52	22°44	4° 8	2°59	19°27	n.a.	F 25
S 26	5 47 46	27°58'08	24°45	21°12	2°34	19°55	1°52	27°18	24°21	29°52	22°45	4° 6	2°56	19°33	n.a.	S 26
S 27	5 51 42	28°59'05	6♋56	22°51	3°47	20°39	1°46	27°14	24°23	29°52	22°47	4° 3	2°53	19°40	n.a.	S 27
M28	5 55 39	0♑ 0'01	19°18	24°31	5° 0	21°23	1°41	27°10	24°25	29°53	22°49	3°59	2°50	19°47	n.a.	M28
T 29	5 59 36	1° 0'56	1♌52	26°11	6°13	22° 7	1°35	27° 7	24°28	29°53	22°50	3°55	2°47	19°53	n.a.	T 29
W30	6 3 32	2° 1'50	14°38	27°52	7°25	22°51	1°29	27° 3	24°30	29°54	22°52	3°50	2°43	20° 0	n.a.	W30
T 31	6 7 29	3♑ 2'43	27♌37	29♐34	8♒38	23♏35	1♌23	27♉ 0	24♒32	29♍54	22♑53	3♊46	2♊40	20♉ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20s57	25n48	3n57	15s 8	0n55	25s29	1s43	11s56	0n21	20n44	1n 3	18n50	1s28	14s33	0s46	1n57	1n55	32s38	10s52	21n16	21n18	15n36			n.a.
W 2	21 9	23 49	4 38	15 40	0 47	25 29	1 44	12 11	0 20	20 45	1 4	18 49	1 28	14 33	0 46	1 57	1 55	32 37	10 52	21 16	21 17	15 39			n.a.
T 3	21 21	20 36	5 5	16 13	0 40	25 27	1 45	12 27	0 20	20 45	1 4	18 48	1 28	14 32	0 46	1 56	1 55	32 37	10 52	21 16	21 17	15 42			n.a.
F 4	21 32	16 18	5 17	16 45	0 32	25 25	1 46	12 42	0 19	20 46	1 4	18 47	1 28	14 32	0 46	1 56	1 55	32 37	10 51	21 16	21 16	15 44			n.a.
S 5	21 43	11 7	5 13	17 16	0 24	25 22	1 46	12 58	0 19	20 46	1 4	18 46	1 28	14 32	0 46	1 56	1 56	32 36	10 51	21 16	21 15	15 47			n.a.
S 6	21 53	5 14	4 51	17 47	0 17	25 18	1 47	13 13	0 18	20 47	1 5	18 45	1 28	14 31	0 46	1 55	1 56	32 36	10 51	21 16	21 15	15 50			n.a.
M 7	22 3	1s 5	4 10	18 18	0 9	25 14	1 47	13 28	0 17	20 48	1 5	18 44	1 28	14 31	0 46	1 55	1 56	32 35	10 51	21 16	21 14	15 52			n.a.
T 8	22 12	7 31	3 13	18 48	0 2	25 8	1 47	13 43	0 17	20 49	1 5	18 43	1 27	14 30	0 46	1 54	1 56	32 35	10 51	21 16	21 14	15 55			n.a.
W 9	22 22	13 40	2 1	19 17	0s 5	25 2	1 48	13 58	0 16	20 49	1 6	18 42	1 27	14 30	0 46	1 54	1 56	32 35	10 51	21 16	21 13	15 58			n.a.
T 10	22 30	19 5	0 40	19 45	0 12	24 56	1 48	14 13	0 15	20 50	1 6	18 41	1 27	14 29	0 46	1 54	1 56	32 34	10 51	21 16	21 12	16 1			n.a.
F 11	22 38	23 16	0s44	20 13	0 19	24 48	1 48	14 28	0 15	20 51	1 6	18 40	1 27	14 28	0 46	1 53	1 56	32 34	10 50	21 16	21 12	16 3			n.a.
S 12	22 46	25 48	2 4	20 40	0 26	24 40	1 48	14 42	0 14	20 52	1 6	18 39	1 27	14 28	0 46	1 53	1 56	32 34	10 50	21 16	21 11	16 6			n.a.
S 13	22 53	26 28	3 14	21 6	0 33	24 31	1 48	14 57	0 13	20 53	1 7	18 38	1 27	14 27	0 46	1 53	1 56	32 33	10 50	21 16	21 11	16 9			n.a.
M14	23 0	25 19	4 10	21 32	0 39	24 21	1 48	15 11	0 13	20 54	1 7	18 37	1 27	14 27	0 46	1 53	1 56	32 33	10 50	21 16	21 10	16 11			n.a.
T 15	23 7	22 38	4 50	21 56	0 45	24 10	1 47	15 26	0 12	20 55	1 7	18 37	1 26	14 26	0 46	1 52	1 56	32 32	10 50	21 16	21 9	16 14			n.a.
W16	23 12	18 46	5 12	22 19	0 52	23 59	1 47	15 40	0 11	20 56	1 7	18 36	1 26	14 25	0 46	1 52	1 56	32 32	10 50	21 15	21 9	16 17			n.a.
T 17	23 18	14 8	5 17	22 42	0 57	23 47	1 47	15 54	0 11	20 58	1 8	18 35	1 26	14 25	0 46	1 52	1 56	32 32	10 50	21 15	21 8	16 19			n.a.
F 18	23 23	9 2	5 6	23 3	1 3	23 34	1 46	16 8	0 10	20 59	1 8	18 34	1 26	14 24	0 46	1 52	1 56	32 31	10 50	21 15	21 7	16 22			n.a.
S 19	23 27	3 43	4 41	23 23	1 9	23 21	1 46	16 22	0 9	21 0	1 8	18 33	1 26	14 23	0 46	1 51	1 56	32 31	10 50	21 15	21 7	16 25			n.a.
S 20	23 31	1n39	4 5	23 42	1 14	23 7	1 45	16 35	0 8	21 1	1 9	18 32	1 26	14 23	0 46	1 51	1 56	32 31	10 49	21 15	21 6	16 27			n.a.
M21	23 35	6 53	3 18	24 0	1 19	22 52	1 44	16 49	0 8	21 3	1 9	18 32	1 25	14 22	0 46	1 51	1 57	32 30	10 49	21 16	21 6	16 30			n.a.
T 22	23 38	11 51	2 23	24 17	1 24	22 37	1 44	17 2	0 7	21 4	1 9	18 31	1 25	14 21	0 46	1 51	1 57	32 30	10 49	21 16	21 5	16 33			n.a.
W23	23 41	16 23	1 23	24 32	1 29	22 21	1 43	17 15	0 6	21 5	1 9	18 30	1 25	14 21	0 46	1 51	1 57	32 30	10 49	21 16	21 4	16 35			n.a.
T 24	23 43	20 19	0 18	24 46	1 33	22 4	1 42	17 28	0 6	21 7	1 10	18 29	1 25	14 20	0 46	1 50	1 57	32 29	10 49	21 16	21 4	16 38			n.a.
F 25	23 45	23 25	0n47	24 59	1 37	21 47	1 41	17 41	0 5	21 8	1 10	18 29	1 25	14 19	0 46	1 50	1 57	32 29	10 49	21 16	21 3	16 41			n.a.
S 26	23 46	25 31	1 51	25 10	1 41	21 29	1 39	17 54	0 4	21 10	1 10	18 28	1 24	14 18	0 45	1 50	1 57	32 28	10 49	21 16	21 2	16 43			n.a.
S 27	23 46	26 26	2 51	25 19	1 45	21 10	1 38	18 7	0 3	21 11	1 10	18 27	1 24	14 18	0 45	1 50	1 57	32 28	10 49	21 15	21 2	16 46			n.a.
M28	23 47	26 3	3 43	25 28	1 48	20 51	1 37	18 19	0 3	21 13	1 11	18 26	1 24	14 17	0 45	1 50	1 57	32 28	10 49	21 15	21 1	16 49			n.a.
T 29	23 46	24 20	4 26	25 34	1 51	20 31	1 35	18 32	0 2	21 14	1 11	18 26	1 24	14 16	0 45	1 50	1 57	32 27	10 49	21 14	21 1	16 51			n.a.
W30	23 46	21 23	4 56	25 39	1 53	20 11	1 34	18 44	0 1	21 16	1 11	18 25	1 24	14 15	0 45	1 50	1 57	32 27	10 49	21 13	21 0	16 54			n.a.
T 31	23s45	17n20	5n11	25s42	1s56	19s50	1s32	18s56	0n 0	21n17	1n11	18n24	1s24	14s14	0s45	1n50	1n57	32s27	10s49	21n12	20n59	16n56			n.a.

Julian Day Number = 1473752.5, Delta T = 05h28m41s
Ecliptic obliquity = 23°46'40, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'18, Lahiri = -13°19'18 Julian Calendar 1 Dec. 679 BCE == Greg. Calendar 24 Nov. 679 BCE

The year -678 astronomical counting style corresponds to year 679 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

JANUARY 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 11 25	4♉ 3'35	10♍51	1♉17	9♒51	24♏19	1°R17	26°R56	24♒35	29♍54	22♉55	3°R42	2♊37	20♉13	n.a.	F 1
S 2	6 15 22	5° 4'25	24°19	3° 1	11° 4	25° 4	1♌10	26♉53	24°37	29°54	22°57	3♊40	2°34	20°20	n.a.	S 2
S 3	6 19 18	6° 5'15	8♎ 4	4°45	12°16	25°48	1° 4	26°49	24°40	29°54	22°58	3°D40	2°31	20°27	n.a.	S 3
M 4	6 23 15	7° 6'03	22° 5	6°30	13°29	26°32	0°57	26°46	24°42	29°55	23° 0	3°41	2°28	20°33	n.a.	M 4
T 5	6 27 11	8° 6'50	6♏21	8°15	14°41	27°16	0°51	26°43	24°45	29°55	23° 2	3°42	2°24	20°40	n.a.	T 5
W 6	6 31 8	9° 7'36	20°51	10° 2	15°54	28° 1	0°44	26°40	24°48	29°55	23° 3	3°44	2°21	20°46	n.a.	W 6
T 7	6 35 5	10° 8'21	5♐31	11°49	17° 6	28°45	0°37	26°37	24°50	29°55	23° 5	3°R44	2°18	20°53	n.a.	T 7
F 8	6 39 1	11° 9'05	20°17	13°37	18°18	29°29	0°30	26°34	24°53	29°R55	23° 7	3°43	2°15	21° 0	n.a.	F 8
S 9	6 42 58	12° 9'47	5♑ 1	15°26	19°30	0♐14	0°23	26°32	24°55	29°55	23° 8	3°40	2°12	21° 6	n.a.	S 9
S 10	6 46 54	13°10'28	19°35	17°15	20°42	0°58	0°16	26°29	24°58	29°55	23°10	3°35	2° 9	21°13	n.a.	S 10
M11	6 50 51	14°11'07	3♒54	19° 5	21°54	1°42	0° 9	26°27	25° 1	29°55	23°12	3°29	2° 5	21°20	n.a.	M11
T 12	6 54 47	15°11'44	17°52	20°55	23° 6	2°27	0° 1	26°24	25° 4	29°55	23°13	3°22	2° 2	21°26	n.a.	T 12
W13	6 58 44	16°12'20	1♓25	22°46	24°18	3°11	29♋54	26°22	25° 7	29°55	23°15	3°15	1°59	21°33	n.a.	W13
T 14	7 2 41	17°12'53	14°32	24°37	25°30	3°56	29°46	26°20	25° 9	29°54	23°17	3° 9	1°56	21°40	n.a.	T 14
F 15	7 6 37	18°13'24	27°15	26°28	26°42	4°41	29°39	26°17	25°12	29°54	23°18	3° 5	1°53	21°46	n.a.	F 15
S 16	7 10 34	19°13'53	9♈37	28°20	27°53	5°25	29°31	26°15	25°15	29°54	23°20	3° 2	1°49	21°53	n.a.	S 16
S 17	7 14 30	20°14'21	21°43	0♒11	29° 5	6°10	29°23	26°13	25°18	29°54	23°22	3°D 2	1°46	22° 0	n.a.	S 17
M18	7 18 27	21°14'46	3♉37	2° 2	0♓16	6°54	29°16	26°12	25°21	29°53	23°24	3° 2	1°43	22° 6	n.a.	M18
T 19	7 22 23	22°15'09	15°25	3°52	1°27	7°39	29° 8	26°10	25°24	29°53	23°25	3° 4	1°40	22°13	n.a.	T 19
W20	7 26 20	23°15'30	27°12	5°41	2°38	8°24	29° 0	26° 8	25°27	29°52	23°27	3°R 5	1°37	22°20	n.a.	W20
T 21	7 30 16	24°15'50	9♊ 3	7°28	3°49	9° 8	28°52	26° 7	25°30	29°52	23°29	3° 5	1°34	22°26	n.a.	T 21
F 22	7 34 13	25°16'07	21° 3	9°14	5° 0	9°53	28°45	26° 6	25°33	29°52	23°30	3° 3	1°30	22°33	n.a.	F 22
S 23	7 38 10	26°16'22	3♋13	10°58	6°11	10°38	28°37	26° 4	25°36	29°51	23°32	2°59	1°27	22°39	n.a.	S 23
S 24	7 42 6	27°16'35	15°38	12°39	7°21	11°22	28°29	26° 3	25°39	29°51	23°34	2°52	1°24	22°46	n.a.	S 24
M25	7 46 3	28°16'46	28°17	14°17	8°32	12° 7	28°21	26° 2	25°42	29°50	23°36	2°43	1°21	22°53	n.a.	M25
T 26	7 49 59	29°16'55	11♌12	15°51	9°42	12°52	28°13	26° 1	25°46	29°50	23°37	2°33	1°18	22°59	n.a.	T 26
W27	7 53 56	0♒17'02	24°21	17°21	10°52	13°37	28° 5	26° 0	25°49	29°49	23°39	2°23	1°15	23° 6	n.a.	W27
T 28	7 57 52	1°17'08	7♍42	18°46	12° 3	14°22	27°57	26° 0	25°52	29°48	23°41	2°13	1°11	23°13	n.a.	T 28
F 29	8 1 49	2°17'11	21°15	20° 6	13°12	15° 7	27°50	25°59	25°55	29°48	23°42	2° 5	1° 8	23°19	n.a.	F 29
S 30	8 5 45	3°17'13	4♎57	21°19	14°22	15°52	27°42	25°59	25°58	29°47	23°44	1°59	1° 5	23°26	n.a.	S 30
S 31	8 9 42	4♒17'12	18♎48	22♒26	15♓32	16♐36	27♋34	25♉58	26♒ 1	29♍46	23♉46	1♊56	1♊ 2	23♉33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23 s43	12n23	5n11	25 s44	1 s57	19 s29	1 s31	19 s 8	0 s 0	21n19	1n11	18n24	1 s23	14 s13	0 s45	1n50	1n57	32 s26	10 s49	21n11	20n59	16n59		n.a.
S 2	23 41	6 45	4 53	25 43	1 59	19 7	1 29	19 19	0 1	21 21	1 12	18 23	1 23	14 13	0 45	1 50	1 57	32 26	10 49	21 11	20 58	17 2		n.a.
S 3	23 38	0 43	4 19	25 41	2 0	18 45	1 27	19 31	0 2	21 22	1 12	18 23	1 23	14 12	0 45	1 50	1 57	32 26	10 49	21 11	20 57	17 4		n.a.
M 4	23 35	5 s30	3 28	25 37	2 1	18 22	1 25	19 42	0 3	21 24	1 12	18 22	1 23	14 11	0 45	1 50	1 58	32 25	10 49	21 11	20 57	17 7		n.a.
T 5	23 32	11 34	2 24	25 32	2 1	17 59	1 23	19 53	0 4	21 26	1 12	18 22	1 23	14 10	0 45	1 50	1 58	32 25	10 49	21 11	20 56	17 10		n.a.
W 6	23 28	17 6	1 10	25 24	2 1	17 35	1 21	20 4	0 4	21 27	1 13	18 21	1 22	14 9	0 45	1 50	1 58	32 25	10 49	21 12	20 56	17 12		n.a.
T 7	23 23	21 41	0 s10	25 14	2 0	17 11	1 19	20 15	0 5	21 29	1 13	18 21	1 22	14 8	0 45	1 50	1 58	32 24	10 48	21 12	20 55	17 15		n.a.
F 8	23 18	24 54	1 29	25 2	1 59	16 46	1 17	20 25	0 6	21 31	1 13	18 20	1 22	14 7	0 45	1 50	1 58	32 24	10 48	21 12	20 54	17 17		n.a.
S 9	23 13	26 23	2 42	24 48	1 57	16 21	1 14	20 36	0 7	21 33	1 13	18 20	1 22	14 6	0 45	1 50	1 58	32 24	10 48	21 11	20 54	17 20		n.a.
S 10	23 7	26 1	3 44	24 32	1 55	15 56	1 12	20 46	0 8	21 34	1 13	18 19	1 21	14 5	0 45	1 50	1 58	32 23	10 48	21 10	20 53	17 23		n.a.
M11	23 1	23 55	4 30	24 15	1 52	15 30	1 9	20 56	0 8	21 36	1 13	18 19	1 21	14 4	0 45	1 50	1 58	32 23	10 48	21 9	20 52	17 25		n.a.
T 12	22 54	20 25	4 58	23 54	1 48	15 4	1 7	21 6	0 9	21 38	1 14	18 19	1 21	14 3	0 45	1 50	1 58	32 23	10 48	21 7	20 52	17 28		n.a.
W13	22 47	15 56	5 9	23 32	1 44	14 37	1 4	21 15	0 10	21 40	1 14	18 18	1 21	14 2	0 45	1 50	1 58	32 23	10 48	21 6	20 51	17 30		n.a.
T 14	22 39	10 50	5 4	23 8	1 40	14 10	1 2	21 25	0 11	21 41	1 14	18 18	1 21	14 1	0 45	1 50	1 58	32 22	10 48	21 5	20 50	17 33		n.a.
F 15	22 31	5 25	4 43	22 42	1 34	13 43	0 59	21 34	0 12	21 43	1 14	18 18	1 20	14 0	0 45	1 51	1 58	32 22	10 49	21 4	20 50	17 36		n.a.
S 16	22 23	0n 3	4 9	22 14	1 28	13 15	0 56	21 43	0 12	21 45	1 14	18 17	1 20	13 59	0 45	1 51	1 58	32 22	10 49	21 4	20 49	17 38		n.a.
S 17	22 14	5 25	3 25	21 43	1 21	12 47	0 53	21 52	0 13	21 47	1 14	18 17	1 20	13 58	0 45	1 51	1 58	32 21	10 49	21 4	20 48	17 41		n.a.
M18	22 4	10 31	2 33	21 11	1 14	12 19	0 50	22 0	0 14	21 49	1 15	18 17	1 20	13 57	0 45	1 51	1 59	32 21	10 49	21 4	20 48	17 43		n.a.
T 19	21 55	15 11	1 34	20 38	1 6	11 50	0 47	22 8	0 15	21 50	1 15	18 17	1 19	13 56	0 45	1 51	1 59	32 21	10 49	21 4	20 47	17 46		n.a.
W20	21 45	19 18	0 32	20 2	0 57	11 21	0 44	22 16	0 16	21 52	1 15	18 17	1 19	13 55	0 45	1 52	1 59	32 21	10 49	21 4	20 47	17 48		n.a.
T 21	21 34	22 39	0n32	19 26	0 47	10 52	0 40	22 24	0 17	21 54	1 15	18 17	1 19	13 54	0 45	1 52	1 59	32 20	10 49	21 4	20 46	17 51		n.a.
F 22	21 23	25 3	1 35	18 47	0 37	10 23	0 37	22 32	0 17	21 56	1 15	18 16	1 19	13 53	0 45	1 52	1 59	32 20	10 49	21 4	20 45	17 53		n.a.
S 23	21 12	26 19	2 35	18 8	0 26	9 53	0 34	22 39	0 18	21 57	1 15	18 16	1 19	13 52	0 45	1 52	1 59	32 20	10 49	21 3	20 45	17 56		n.a.
S 24	21 0	26 17	3 28	17 29	0 14	9 24	0 30	22 47	0 19	21 59	1 15	18 16	1 18	13 51	0 45	1 53	1 59	32 19	10 49	21 2	20 44	17 59		n.a.
M25	20 48	24 54	4 12	16 48	0 2	8 54	0 27	22 54	0 20	22 1	1 15	18 16	1 18	13 50	0 45	1 53	1 59	32 19	10 49	21 0	20 43	18 1		n.a.
T 26	20 35	22 12	4 44	16 8	0n11	8 24	0 23	23 0	0 21	22 3	1 16	18 16	1 18	13 49	0 45	1 53	1 59	32 19	10 49	20 58	20 43	18 4		n.a.
W27	20 23	18 19	5 2	15 28	0 25	7 53	0 19	23 7	0 22	22 4	1 16	18 16	1 18	13 48	0 45	1 53	1 59	32 19	10 49	20 56	20 42	18 6		n.a.
T 28	20 9	13 28	5 3	14 48	0 39	7 23	0 16	23 13	0 23	22 6	1 16	18 16	1 17	13 47	0 45	1 54	1 59	32 19	10 49	20 54	20 41	18 9		n.a.
F 29	19 56	7 55	4 48	14 9	0 53	6 52	0 12	23 19	0 23	22 8	1 16	18 16	1 17	13 45	0 45	1 54	1 59	32 18	10 49	20 52	20 41	18 11		n.a.
S 30	19 42	1 55	4 16	13 32	1 8	6 22	0 8	23 25	0 24	22 9	1 16	18 17	1 17	13 44	0 45	1 54	1 59	32 18	10 49	20 51	20 40	18 14		n.a.
S 31	19 s28	4 s15	3n29	12 s56	1n22	5 s51	0 s 4	23 s31	0 s25	22n11	1n16	18n17	1 s17	13 s43	0 s45	1n55	1n59	32 s18	10 s49	20n50	20n39	18n16		n.a.

Julian Day Number = 1473783.5, Delta T = 05h28m40s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'14, Lahiri = -13°19'14 Julian Calendar 1 Jan. 678 BCE == Greg. Calendar 25 Dec. 679 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

FEBRUARY 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 13 38	5♒17'10	2♏46	23♒26	16♓42	17♐21	27°R26	25°R58	26♒ 5	29°R45	23♑47	1°D55	0♊59	23♉39	n.a.	M 1
T 2	8 17 35	6°17'07	16°52	24°19	17°51	18° 6	27♋18	25♉58	26° 8	29♍45	23°49	1♊55	0°55	23°46	n.a.	T 2
W 3	8 21 32	7°17'02	1♐ 3	25° 3	19° 0	18°51	27°11	25°D58	26°11	29°44	23°51	1°R55	0°52	23°53	n.a.	W 3
T 4	8 25 28	8°16'55	15°19	25°39	20° 9	19°36	27° 3	25°58	26°15	29°43	23°52	1°55	0°49	23°59	n.a.	T 4
F 5	8 29 25	9°16'46	29°38	26° 6	21°18	20°21	26°56	25°58	26°18	29°42	23°54	1°52	0°46	24° 6	n.a.	F 5
S 6	8 33 21	10°16'35	13♑55	26°25	22°27	21° 6	26°48	25°58	26°21	29°41	23°56	1°46	0°43	24°13	n.a.	S 6
S 7	8 37 18	11°16'23	28° 7	26°35	23°36	21°52	26°41	25°59	26°24	29°40	23°57	1°38	0°40	24°19	n.a.	S 7
M 8	8 41 14	12°16'08	12♒ 8	26°R36	24°44	22°37	26°33	25°59	26°28	29°39	23°59	1°27	0°36	24°26	n.a.	M 8
T 9	8 45 11	13°15'51	25°52	26°29	25°53	23°22	26°26	26° 0	26°31	29°38	24° 1	1°16	0°33	24°32	n.a.	T 9
W10	8 49 7	14°15'32	9♓18	26°14	27° 1	24° 7	26°19	26° 1	26°34	29°37	24° 2	1° 4	0°30	24°39	n.a.	W10
T 11	8 53 4	15°15'10	22°21	25°51	28° 9	24°52	26°12	26° 2	26°38	29°36	24° 4	0°53	0°27	24°46	n.a.	T 11
F 12	8 57 1	16°14'46	5♈ 4	25°20	29°16	25°37	26° 4	26° 3	26°41	29°35	24° 5	0°44	0°24	24°52	n.a.	F 12
S 13	9 0 57	17°14'20	17°27	24°44	0♈24	26°22	25°58	26° 4	26°45	29°34	24° 7	0°38	0°20	24°59	n.a.	S 13
S 14	9 4 54	18°13'52	29°34	24° 2	1°31	27° 7	25°51	26° 5	26°48	29°33	24° 9	0°35	0°17	25° 6	n.a.	S 14
M15	9 8 50	19°13'21	11♉29	23°15	2°39	27°52	25°44	26° 6	26°51	29°32	24°10	0°33	0°14	25°12	n.a.	M15
T 16	9 12 47	20°12'47	23°18	22°25	3°46	28°38	25°37	26° 8	26°55	29°31	24°12	0°D33	0°11	25°19	n.a.	T 16
W17	9 16 43	21°12'12	5♊ 6	21°32	4°52	29°23	25°31	26° 9	26°58	29°30	24°13	0°R33	0° 8	25°26	n.a.	W17
T 18	9 20 40	22°11'33	16°59	20°39	5°59	0♑ 8	25°24	26°11	27° 2	29°28	24°15	0°32	0° 5	25°32	n.a.	T 18
F 19	9 24 36	23°10'53	29° 1	19°45	7° 5	0°53	25°18	26°13	27° 5	29°27	24°16	0°29	0° 1	25°39	n.a.	F 19
S 20	9 28 33	24°10'10	11♋18	18°53	8°11	1°38	25°12	26°14	27° 8	29°26	24°18	0°24	29♉58	25°46	n.a.	S 20
S 21	9 32 30	25° 9'25	23°52	18° 2	9°17	2°24	25° 6	26°16	27°12	29°25	24°19	0°16	29°55	25°52	n.a.	S 21
M22	9 36 26	26° 8'37	6♌46	17°15	10°23	3° 9	25° 0	26°19	27°15	29°23	24°21	0° 5	29°52	25°59	n.a.	M22
T 23	9 40 23	27° 7'47	20° 0	16°31	11°28	3°54	24°54	26°21	27°19	29°22	24°22	29♉53	29°49	26° 6	n.a.	T 23
W24	9 44 19	28° 6'55	3♍32	15°51	12°33	4°39	24°49	26°23	27°22	29°21	24°24	29°40	29°46	26°12	n.a.	W24
T 25	9 48 16	29° 6'00	17°19	15°16	13°38	5°24	24°43	26°25	27°26	29°20	24°25	29°28	29°42	26°19	n.a.	T 25
F 26	9 52 12	0♓ 5'04	1♎18	14°47	14°43	6°10	24°38	26°28	27°29	29°18	24°27	29°18	29°39	26°25	n.a.	F 26
S 27	9 56 9	1° 4'05	15°24	14°22	15°47	6°55	24°33	26°30	27°32	29°17	24°28	29°10	29°36	26°32	n.a.	S 27
S 28	10 0 5	2♓ 3'05	29♎33	14♒ 4	16♈51	7♑40	24♋28	26♉33	27♒36	29♍15	24♑30	29♉ 6	29♉33	26♉39	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s13	10s17	2n29	12s22	1n37	5s20	0s 0	23s36	0s26	22n13	1n16	18n17	1s16	13s42	0s45	1n55	1n59	32s18	10s50	20n50	20n39	18n19		n.a.
T 2	18 58	15 50	1 19	11 51	1 52	4 49	0n 4	23 41	0 27	22 14	1 16	18 17	1 16	13 41	0 45	1 56	1 59	32 17	10 50	20 50	20 38	18 21		n.a.
W 3	18 43	20 35	0 5	11 22	2 7	4 18	0 8	23 46	0 28	22 16	1 16	18 17	1 16	13 40	0 45	1 56	2 0	32 17	10 50	20 50	20 37	18 24		n.a.
T 4	18 27	24 8	1s11	10 56	2 21	3 46	0 12	23 51	0 29	22 17	1 16	18 18	1 16	13 39	0 45	1 56	2 0	32 17	10 50	20 50	20 37	18 26		n.a.
F 5	18 11	26 8	2 22	10 34	2 35	3 15	0 16	23 55	0 30	22 19	1 16	18 18	1 16	13 38	0 45	1 57	2 0	32 17	10 50	20 50	20 36	18 29		n.a.
S 6	17 55	26 25	3 24	10 16	2 48	2 44	0 20	23 59	0 31	22 20	1 16	18 18	1 15	13 36	0 45	1 57	2 0	32 17	10 50	20 49	20 35	18 31		n.a.
S 7	17 38	24 57	4 12	10 1	3 0	2 12	0 24	24 3	0 31	22 22	1 16	18 18	1 15	13 35	0 45	1 58	2 0	32 16	10 50	20 47	20 35	18 34		n.a.
M 8	17 22	21 57	4 45	9 50	3 11	1 41	0 29	24 6	0 32	22 23	1 16	18 19	1 15	13 34	0 45	1 58	2 0	32 16	10 50	20 45	20 34	18 36		n.a.
T 9	17 4	17 46	5 0	9 43	3 21	1 10	0 33	24 10	0 33	22 25	1 16	18 19	1 15	13 33	0 45	1 58	2 0	32 16	10 50	20 42	20 33	18 39		n.a.
W10	16 47	12 48	4 59	9 40	3 30	0 38	0 37	24 13	0 34	22 26	1 16	18 20	1 14	13 32	0 45	1 59	2 0	32 16	10 51	20 40	20 33	18 41		n.a.
T 11	16 29	7 22	4 41	9 41	3 37	0 7	0 42	24 16	0 35	22 28	1 17	18 20	1 14	13 31	0 45	1 59	2 0	32 16	10 51	20 37	20 32	18 44		n.a.
F 12	16 11	1 47	4 10	9 46	3 42	0n25	0 46	24 18	0 36	22 29	1 17	18 20	1 14	13 29	0 45	2 0	2 0	32 16	10 51	20 36	20 31	18 46		n.a.
S 13	15 53	3n45	3 28	9 55	3 46	0 56	0 51	24 21	0 37	22 30	1 17	18 21	1 14	13 28	0 45	2 0	2 0	32 15	10 51	20 34	20 31	18 49		n.a.
S 14	15 35	9 2	2 37	10 8	3 47	1 27	0 55	24 23	0 38	22 32	1 17	18 21	1 13	13 27	0 45	2 1	2 0	32 15	10 51	20 34	20 30	18 51		n.a.
M15	15 16	13 55	1 39	10 23	3 47	1 58	1 0	24 24	0 39	22 33	1 17	18 22	1 13	13 26	0 45	2 1	2 0	32 15	10 51	20 33	20 29	18 54		n.a.
T 16	14 57	18 14	0 38	10 41	3 45	2 30	1 4	24 26	0 40	22 34	1 17	18 23	1 13	13 25	0 45	2 2	2 0	32 15	10 52	20 33	20 29	18 56		n.a.
W17	14 38	21 51	0n24	11 2	3 41	3 1	1 9	24 27	0 41	22 35	1 16	18 23	1 13	13 23	0 45	2 2	2 0	32 15	10 52	20 33	20 28	18 59		n.a.
T 18	14 19	24 33	1 26	11 25	3 36	3 31	1 13	24 28	0 42	22 37	1 16	18 24	1 13	13 22	0 45	2 3	2 0	32 15	10 52	20 33	20 27	19 1		n.a.
F 19	13 59	26 11	2 25	11 49	3 28	4 2	1 18	24 29	0 42	22 38	1 16	18 24	1 12	13 21	0 44	2 3	2 0	32 15	10 52	20 32	20 27	19 4		n.a.
S 20	13 39	26 34	3 18	12 14	3 19	4 33	1 22	24 29	0 43	22 39	1 16	18 25	1 12	13 20	0 44	2 4	2 0	32 14	10 52	20 31	20 26	19 6		n.a.
S 21	13 19	25 37	4 3	12 39	3 9	5 4	1 27	24 30	0 44	22 40	1 16	18 26	1 12	13 19	0 44	2 4	2 0	32 14	10 52	20 30	20 25	19 9		n.a.
M22	12 59	23 17	4 36	13 5	2 57	5 34	1 32	24 30	0 45	22 41	1 16	18 26	1 12	13 18	0 44	2 5	2 0	32 14	10 53	20 27	20 24	19 11		n.a.
T 23	12 38	19 41	4 56	13 30	2 44	6 4	1 36	24 29	0 46	22 42	1 16	18 27	1 11	13 16	0 45	2 6	2 1	32 14	10 53	20 25	20 24	19 13		n.a.
W24	12 18	14 59	5 0	13 55	2 30	6 34	1 41	24 29	0 47	22 43	1 16	18 28	1 11	13 15	0 44	2 6	2 1	32 14	10 53	20 22	20 23	19 16		n.a.
T 25	11 57	9 27	4 46	14 19	2 16	7 4	1 46	24 28	0 48	22 44	1 16	18 29	1 11	13 14	0 44	2 7	2 1	32 14	10 53	20 19	20 22	19 18		n.a.
F 26	11 36	3 22	4 15	14 42	2 1	7 34	1 50	24 27	0 49	22 45	1 16	18 30	1 11	13 13	0 44	2 7	2 1	32 14	10 53	20 17	20 22	19 21		n.a.
S 27	11 15	2s56	3 29	15 3	1 46	8 4	1 55	24 26	0 50	22 46	1 16	18 30	1 11	13 12	0 44	2 8	2 1	32 14	10 54	20 15	20 21	19 23		n.a.
S 28	10s54	9s 9	2n29	15s23	1n31	8n33	2n 0	24s24	0s51	22n47	1n16	18n31	1s10	13s10	0s44	2n 8	2n 1	32s14	10s54	20n14	20n20	19n26		n.a.

Julian Day Number = 1473814.5, Delta T = 05h28m38s
Ecliptic obliquity = 23°46'41, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'10, Lahiri = -13°19'09 Julian Calendar 1 Feb. 678 BCE == Greg. Calendar 25 Jan. 678 BCE

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

MARCH 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 4 2	3♓ 2'03	13♏43	13°R51	17♈55	8♑26	24°R23	26♉36	27♒39	29°R14	24♑31	29°R 4	29♉30	26♉45	n.a.	M 1
T 2	10 7 58	4° 0'59	27°51	13♒43	18°58	9°11	24♋18	26°39	27°43	29♍13	24°32	29♉ 3	29°26	26°52	n.a.	T 2
W 3	10 11 55	4°59'53	11♐57	13°D42	20° 1	9°56	24°14	26°42	27°46	29°11	24°34	29° 3	29°23	26°59	n.a.	W 3
T 4	10 15 52	5°58'45	25°59	13°45	21° 4	10°41	24° 9	26°45	27°49	29°10	24°35	29° 2	29°20	27° 5	n.a.	T 4
F 5	10 19 48	6°57'36	9♑57	13°54	22° 7	11°27	24° 5	26°48	27°53	29° 8	24°37	28°59	29°17	27°12	n.a.	F 5
S 6	10 23 45	7°56'25	23°49	14° 8	23° 9	12°12	24° 1	26°51	27°56	29° 7	24°38	28°53	29°14	27°19	n.a.	S 6
S 7	10 27 41	8°55'11	7♒35	14°27	24°11	12°57	23°57	26°55	28° 0	29° 5	24°39	28°45	29°11	27°25	n.a.	S 7
M 8	10 31 38	9°53'56	21°10	14°51	25°12	13°43	23°53	26°58	28° 3	29° 4	24°40	28°34	29° 7	27°32	n.a.	M 8
T 9	10 35 34	10°52'39	4♓32	15°19	26°13	14°28	23°50	27° 2	28° 6	29° 2	24°42	28°21	29° 4	27°39	n.a.	T 9
W10	10 39 31	11°51'19	17°39	15°51	27°14	15°13	23°47	27° 6	28°10	29° 1	24°43	28° 9	29° 1	27°45	n.a.	W10
T 11	10 43 27	12°49'58	0♈30	16°28	28°15	15°58	23°43	27° 9	28°13	28°59	24°44	27°57	28°58	27°52	n.a.	T 11
F 12	10 47 24	13°48'34	13° 3	17° 8	29°15	16°44	23°40	27°13	28°16	28°58	24°45	27°48	28°55	27°58	n.a.	F 12
S 13	10 51 21	14°47'08	25°21	17°52	0♉14	17°29	23°38	27°17	28°20	28°56	24°47	27°41	28°52	28° 5	n.a.	S 13
S 14	10 55 17	15°45'40	7♉26	18°40	1°14	18°14	23°35	27°21	28°23	28°54	24°48	27°37	28°48	28°12	n.a.	S 14
M15	10 59 14	16°44'10	19°20	19°31	2°12	18°59	23°32	27°25	28°26	28°53	24°49	27°35	28°45	28°18	n.a.	M15
T 16	11 3 10	17°42'38	1♊ 8	20°25	3°11	19°45	23°30	27°30	28°29	28°51	24°50	27°D35	28°42	28°25	n.a.	T 16
W17	11 7 7	18°41'03	12°57	21°22	4° 9	20°30	23°28	27°34	28°33	28°50	24°51	27°R35	28°39	28°32	n.a.	W17
T 18	11 11 3	19°39'26	24°50	22°22	5° 6	21°15	23°26	27°38	28°36	28°48	24°52	27°35	28°36	28°38	n.a.	T 18
F 19	11 15 0	20°37'47	6♋53	23°25	6° 3	22° 0	23°24	27°43	28°39	28°46	24°53	27°34	28°32	28°45	n.a.	F 19
S 20	11 18 56	21°36'06	19°12	24°30	7° 0	22°45	23°23	27°47	28°42	28°45	24°55	27°30	28°29	28°52	n.a.	S 20
S 21	11 22 53	22°34'22	1♌50	25°38	7°55	23°30	23°21	27°52	28°46	28°43	24°56	27°24	28°26	28°58	n.a.	S 21
M22	11 26 49	23°32'36	14°51	26°49	8°51	24°16	23°20	27°57	28°49	28°42	24°57	27°17	28°23	29° 5	n.a.	M22
T 23	11 30 46	24°30'49	28°17	28° 2	9°46	25° 1	23°19	28° 2	28°52	28°40	24°58	27° 7	28°20	29°12	n.a.	T 23
W24	11 34 43	25°28'59	12♍ 5	29°17	10°40	25°46	23°19	28° 7	28°55	28°38	24°59	26°57	28°17	29°18	n.a.	W24
T 25	11 38 39	26°27'07	26°13	0♓34	11°33	26°31	23°18	28°11	28°58	28°37	25° 0	26°47	28°13	29°25	n.a.	T 25
F 26	11 42 36	27°25'13	10♎36	1°54	12°26	27°16	23°17	28°17	29° 1	28°35	25° 0	26°39	28°10	29°32	n.a.	F 26
S 27	11 46 32	28°23'18	25° 8	3°16	13°19	28° 1	23°17	28°22	29° 5	28°33	25° 1	26°33	28° 7	29°38	n.a.	S 27
S 28	11 50 29	29°21'21	9♏42	4°40	14°10	28°46	23°D17	28°27	29° 8	28°32	25° 2	26°30	28° 4	29°45	n.a.	S 28
M29	11 54 25	0♈19'22	24°13	6° 6	15° 1	29°31	23°17	28°32	29°11	28°30	25° 3	26°D29	28° 1	29°51	n.a.	M29
T 30	11 58 22	1°17'22	8♐36	7°34	15°52	0♒16	23°18	28°37	29°14	28°29	25° 4	26°29	27°57	29°58	n.a.	T 30
W31	12 2 18	2♈15'20	22♐49	9♓ 4	16♉41	1♒ 1	23♋18	28♉43	29♒17	28♍27	25♑ 5	26♉30	27♉54	0♊ 5	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	10s32	14s54	1n20	15s42	1n16	9n 2	2n 4	24s22	0s52	22n47	1n16	18n32	1s10	13s 9	0s45	2n 9	2n 1	32s14	10s54	20n14	20n20	19n28			n.a.
T 2	10 10	19 51	0 6	15 58	1 1	9 31	2 9	24 20	0 53	22 48	1 16	18 33	1 10	13 8	0 45	2 10	2 1	32 14	10 54	20 14	20 19	19 30			n.a.
W 3	9 49	23 39	1s 8	16 13	0 46	9 59	2 13	24 18	0 54	22 49	1 16	18 34	1 10	13 7	0 45	2 10	2 1	32 14	10 54	20 14	20 18	19 33			n.a.
T 4	9 27	26 0	2 17	16 26	0 32	10 28	2 18	24 15	0 55	22 50	1 16	18 35	1 9	13 6	0 45	2 11	2 1	32 13	10 55	20 14	20 18	19 35			n.a.
F 5	9 5	26 42	3 18	16 37	0 17	10 56	2 23	24 12	0 56	22 50	1 16	18 36	1 9	13 4	0 45	2 12	2 1	32 13	10 55	20 13	20 17	19 38			n.a.
S 6	8 43	25 42	4 7	16 46	0 4	11 24	2 27	24 9	0 57	22 51	1 16	18 37	1 9	13 3	0 45	2 12	2 1	32 13	10 55	20 12	20 16	19 40			n.a.
S 7	8 20	23 9	4 41	16 53	0s10	11 51	2 32	24 5	0 57	22 52	1 16	18 38	1 9	13 2	0 45	2 13	2 1	32 13	10 55	20 10	20 15	19 42			n.a.
M 8	7 58	19 21	4 58	16 58	0 23	12 18	2 36	24 2	0 58	22 52	1 15	18 39	1 9	13 1	0 45	2 13	2 1	32 13	10 56	20 7	20 15	19 45			n.a.
T 9	7 35	14 37	4 59	17 2	0 35	12 45	2 41	23 58	0 59	22 53	1 15	18 40	1 8	13 0	0 45	2 14	2 1	32 13	10 56	20 4	20 14	19 47			n.a.
W10	7 13	9 17	4 44	17 3	0 47	13 12	2 45	23 54	1 0	22 53	1 15	18 41	1 8	12 59	0 45	2 15	2 1	32 13	10 56	20 2	20 13	19 50			n.a.
T 11	6 50	3 41	4 14	17 3	0 58	13 38	2 50	23 49	1 1	22 54	1 15	18 42	1 8	12 57	0 45	2 15	2 1	32 13	10 56	19 59	20 13	19 52			n.a.
F 12	6 27	1n58	3 33	17 0	1 8	14 4	2 54	23 45	1 2	22 54	1 15	18 43	1 8	12 56	0 45	2 16	2 1	32 13	10 57	19 57	20 12	19 54			n.a.
S 13	6 4	7 26	2 42	16 56	1 18	14 29	2 58	23 40	1 3	22 55	1 15	18 44	1 8	12 55	0 45	2 17	2 1	32 13	10 57	19 55	20 11	19 57			n.a.
S 14	5 41	12 32	1 45	16 50	1 28	14 55	3 2	23 34	1 4	22 55	1 15	18 45	1 7	12 54	0 45	2 17	2 1	32 13	10 57	19 54	20 11	19 59			n.a.
M15	5 18	17 6	0 44	16 42	1 37	15 19	3 7	23 29	1 5	22 55	1 15	18 46	1 7	12 53	0 45	2 18	2 1	32 13	10 57	19 54	20 10	20 2			n.a.
T 16	4 55	20 59	0n19	16 33	1 45	15 44	3 11	23 23	1 6	22 56	1 15	18 48	1 7	12 52	0 45	2 19	2 1	32 13	10 58	19 54	20 9	20 4			n.a.
W17	4 32	24 1	1 21	16 21	1 52	16 8	3 15	23 18	1 7	22 56	1 15	18 49	1 7	12 50	0 45	2 19	2 1	32 14	10 58	19 54	20 8	20 6			n.a.
T 18	4 9	26 0	2 20	16 8	1 59	16 31	3 19	23 11	1 8	22 56	1 14	18 50	1 7	12 49	0 45	2 20	2 1	32 14	10 58	19 54	20 8	20 9			n.a.
F 19	3 46	26 49	3 13	15 53	2 6	16 55	3 23	23 5	1 9	22 56	1 14	18 51	1 6	12 48	0 45	2 21	2 1	32 14	10 58	19 54	20 7	20 11			n.a.
S 20	3 23	26 20	3 59	15 36	2 12	17 17	3 27	22 58	1 10	22 56	1 14	18 52	1 6	12 47	0 45	2 21	2 1	32 14	10 59	19 53	20 6	20 13			n.a.
S 21	2 59	24 29	4 35	15 18	2 17	17 40	3 31	22 52	1 11	22 56	1 14	18 54	1 6	12 46	0 45	2 22	2 1	32 14	10 59	19 52	20 6	20 16			n.a.
M22	2 36	21 20	4 57	14 58	2 21	18 2	3 35	22 44	1 12	22 57	1 14	18 55	1 6	12 45	0 45	2 23	2 1	32 14	10 59	19 50	20 5	20 18			n.a.
T 23	2 13	16 59	5 4	14 36	2 25	18 23	3 38	22 37	1 13	22 57	1 14	18 56	1 6	12 44	0 45	2 23	2 1	32 14	11 0	19 48	20 4	20 20			n.a.
W24	1 49	11 38	4 54	14 12	2 29	18 44	3 42	22 30	1 13	22 57	1 14	18 57	1 5	12 43	0 45	2 24	2 1	32 14	11 0	19 45	20 3	20 23			n.a.
T 25	1 26	5 34	4 25	13 47	2 32	19 5	3 45	22 22	1 14	22 57	1 14	18 59	1 5	12 42	0 45	2 25	2 1	32 14	11 0	19 43	20 3	20 25			n.a.
F 26	1 2	0s54	3 40	13 20	2 34	19 25	3 49	22 14	1 15	22 57	1 13	19 0	1 5	12 40	0 45	2 25	2 1	32 14	11 0	19 41	20 2	20 27			n.a.
S 27	0 39	7 23	2 40	12 52	2 36	19 44	3 52	22 6	1 16	22 56	1 13	19 1	1 5	12 39	0 45	2 26	2 1	32 14	11 1	19 40	20 1	20 30			n.a.
S 28	0 16	13 32	1 29	12 22	2 37	20 3	3 55	21 57	1 17	22 56	1 13	19 3	1 5	12 38	0 45	2 27	2 1	32 14	11 1	19 39	20 1	20 32			n.a.
M29	0n 8	18 54	0 12	11 50	2 37	20 22	3 58	21 49	1 18	22 56	1 13	19 4	1 5	12 37	0 45	2 27	2 1	32 15	11 1	19 39	20 0	20 34			n.a.
T 30	0 31	23 7	1s 5	11 16	2 37	20 40	4 1	21 40	1 19	22 56	1 13	19 5	1 4	12 36	0 45	2 28	2 1	32 15	11 2	19 39	19 59	20 36			n.a.
W31	0n55	25s51	2s17	10s42	2s37	20n57	4n 4	21s31	1s20	22n56	1n13	19n 7	1s 4	12s35	0s45	2n29	2n 1	32s15	11s 2	19n39	19n58	20n39			n.a.

Julian Day Number = 1473842.5, Delta T = 05h28m37s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'06, Lahiri = -13°19'06 Julian Calendar 1 March 678 BCE == Greg. Calendar 22 Feb. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

APRIL 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 6 15	3♈13'18	6♉51	10♓37	17♉30	1♒46	23♋19	28♉48	29♒20	28°R25	25♉ 6	26°R30	27♉51	0♊11	n.a.	T 1
F 2	12 10 12	4°11'13	20°40	12°11	18°18	2°31	23°20	28°54	29°23	28♍24	25° 6	26♉29	27°48	0°18	n.a.	F 2
S 3	12 14 8	5° 9'08	4♒16	13°47	19° 5	3°16	23°21	29° 0	29°26	28°22	25° 7	26°26	27°45	0°25	n.a.	S 3
S 4	12 18 5	6° 7'01	17°40	15°25	19°52	4° 1	23°22	29° 5	29°28	28°20	25° 8	26°20	27°42	0°31	n.a.	S 4
M 5	12 22 1	7° 4'52	0♓52	17° 5	20°37	4°46	23°23	29°11	29°31	28°19	25° 9	26°13	27°38	0°38	n.a.	M 5
T 6	12 25 58	8° 2'42	13°51	18°47	21°22	5°31	23°25	29°17	29°34	28°17	25° 9	26° 5	27°35	0°45	n.a.	T 6
W 7	12 29 54	9° 0'30	26°37	20°31	22° 5	6°15	23°26	29°23	29°37	28°16	25°10	25°56	27°32	0°51	n.a.	W 7
T 8	12 33 51	9°58'17	9♈10	22°17	22°48	7° 0	23°28	29°29	29°40	28°14	25°11	25°49	27°29	0°58	n.a.	T 8
F 9	12 37 47	10°56'03	21°30	24° 5	23°30	7°45	23°30	29°35	29°43	28°12	25°11	25°42	27°26	1° 5	n.a.	F 9
S 10	12 41 44	11°53'46	3♉38	25°54	24°10	8°30	23°33	29°41	29°45	28°11	25°12	25°38	27°23	1°11	n.a.	S 10
S 11	12 45 41	12°51'29	15°36	27°46	24°50	9°14	23°35	29°47	29°48	28° 9	25°12	25°36	27°19	1°18	n.a.	S 11
M12	12 49 37	13°49'09	27°27	29°40	25°28	9°59	23°38	29°53	29°51	28° 8	25°13	25°D35	27°16	1°24	n.a.	M12
T 13	12 53 34	14°46'49	9♊15	1♈36	26° 5	10°43	23°41	29°59	29°53	28° 6	25°14	25°36	27°13	1°31	n.a.	T 13
W14	12 57 30	15°44'26	21° 2	3°33	26°41	11°28	23°44	0♊ 6	29°56	28° 5	25°14	25°37	27°10	1°38	n.a.	W14
T 15	13 1 27	16°42'02	2♋55	5°32	27°16	12°13	23°47	0°12	29°59	28° 3	25°15	25°39	27° 7	1°44	n.a.	T 15
F 16	13 5 23	17°39'36	14°58	7°34	27°49	12°57	23°50	0°19	0♓ 1	28° 2	25°15	25°R40	27° 3	1°51	n.a.	F 16
S 17	13 9 20	18°37'09	27°16	9°37	28°21	13°41	23°54	0°25	0° 4	28° 0	25°15	25°39	27° 0	1°58	n.a.	S 17
S 18	13 13 16	19°34'40	9♌53	11°41	28°52	14°26	23°57	0°32	0° 6	27°59	25°16	25°38	26°57	2° 4	n.a.	S 18
M19	13 17 13	20°32'10	22°55	13°47	29°21	15°10	24° 1	0°38	0° 9	27°57	25°16	25°34	26°54	2°11	n.a.	M19
T 20	13 21 10	21°29'38	6♍22	15°55	29°48	15°54	24° 5	0°45	0°11	27°56	25°17	25°30	26°51	2°18	n.a.	T 20
W21	13 25 6	22°27'04	20°16	18° 3	0♊14	16°39	24° 9	0°52	0°13	27°54	25°17	25°25	26°48	2°24	n.a.	W21
T 22	13 29 3	23°24'30	4♎34	20°13	0°38	17°23	24°13	0°58	0°16	27°53	25°17	25°20	26°44	2°31	n.a.	T 22
F 23	13 32 59	24°21'53	19°12	22°24	1° 1	18° 7	24°18	1° 5	0°18	27°51	25°17	25°16	26°41	2°38	n.a.	F 23
S 24	13 36 56	25°19'16	4♏ 3	24°35	1°21	18°51	24°23	1°12	0°20	27°50	25°18	25°14	26°38	2°44	n.a.	S 24
S 25	13 40 52	26°16'38	19° 0	26°47	1°40	19°35	24°27	1°19	0°23	27°49	25°18	25°D12	26°35	2°51	n.a.	S 25
M26	13 44 49	27°13'59	3♐54	28°58	1°57	20°19	24°32	1°26	0°25	27°47	25°18	25°12	26°32	2°58	n.a.	M26
T 27	13 48 45	28°11'19	18°38	1♑10	2°12	21° 3	24°37	1°33	0°27	27°46	25°18	25°13	26°29	3° 4	n.a.	T 27
W28	13 52 42	29° 8'39	3♑ 7	3°21	2°25	21°47	24°43	1°40	0°29	27°44	25°18	25°15	26°25	3°11	n.a.	W28
T 29	13 56 39	0♑ 5'57	17°17	5°31	2°36	22°31	24°48	1°47	0°31	27°43	25°19	25°16	26°22	3°17	n.a.	T 29
F 30	14 0 35	1♑ 3'16	1♒ 9	7♑40	2♊45	23♒15	24♋53	1♊54	0♓33	27♍42	25♉19	25°R17	26♉19	3♊24	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n18	26s55	3s19	10s 5	2s35	21n14	4n 7	21s22	1s21	22n56	1n13	19n 8	1s 4	12s34	0s45	2n29	2n 1	32s15	11s 2	19n39	19n58	20n41		n.a.
F 2	1 41	26 16	4 9	9 27	2 34	21 30	4 10	21 12	1 22	22 55	1 13	19 10	1 4	12 33	0 45	2 30	2 1	32 15	11 3	19 39	19 57	20 43		n.a.
S 3	2 4	24 4	4 45	8 47	2 31	21 46	4 12	21 2	1 23	22 55	1 12	19 11	1 4	12 32	0 45	2 30	2 1	32 15	11 3	19 38	19 56	20 46		n.a.
S 4	2 28	20 33	5 4	8 6	2 28	22 2	4 14	20 53	1 24	22 55	1 12	19 12	1 3	12 31	0 45	2 31	2 1	32 15	11 3	19 37	19 55	20 48		n.a.
M 5	2 51	16 4	5 6	7 23	2 25	22 16	4 16	20 43	1 24	22 54	1 12	19 14	1 3	12 30	0 45	2 32	2 1	32 16	11 4	19 35	19 55	20 50		n.a.
T 6	3 14	10 56	4 53	6 39	2 21	22 30	4 19	20 32	1 25	22 54	1 12	19 15	1 3	12 29	0 45	2 32	2 1	32 16	11 4	19 33	19 54	20 52		n.a.
W 7	3 37	5 24	4 25	5 54	2 16	22 44	4 20	20 22	1 26	22 53	1 12	19 17	1 3	12 28	0 45	2 33	2 1	32 16	11 4	19 31	19 53	20 55		n.a.
T 8	4 0	0n15	3 44	5 6	2 11	22 57	4 22	20 11	1 27	22 53	1 12	19 18	1 3	12 27	0 45	2 34	2 1	32 16	11 4	19 29	19 53	20 57		n.a.
F 9	4 23	5 49	2 54	4 18	2 5	23 9	4 24	20 0	1 28	22 52	1 12	19 20	1 3	12 26	0 45	2 34	2 1	32 16	11 5	19 27	19 52	20 59		n.a.
S 10	4 46	11 5	1 56	3 28	1 59	23 21	4 25	19 49	1 29	22 52	1 11	19 21	1 2	12 25	0 45	2 35	2 1	32 16	11 5	19 26	19 51	21 1		n.a.
S 11	5 9	15 53	0 54	2 37	1 53	23 32	4 26	19 38	1 30	22 51	1 11	19 23	1 2	12 24	0 45	2 36	2 1	32 17	11 5	19 26	19 50	21 4		n.a.
M12	5 32	20 2	0n10	1 45	1 45	23 43	4 27	19 27	1 31	22 51	1 11	19 24	1 2	12 23	0 45	2 36	2 1	32 17	11 6	19 26	19 50	21 6		n.a.
T 13	5 54	23 22	1 14	0 51	1 38	23 53	4 28	19 15	1 32	22 50	1 11	19 26	1 2	12 22	0 45	2 37	2 1	32 17	11 6	19 26	19 49	21 8		n.a.
W14	6 17	25 42	2 14	0n 4	1 30	24 2	4 28	19 4	1 32	22 49	1 11	19 27	1 2	12 21	0 45	2 37	2 1	32 17	11 6	19 26	19 48	21 10		n.a.
T 15	6 39	26 54	3 9	1 0	1 21	24 11	4 28	18 52	1 33	22 49	1 11	19 29	1 2	12 21	0 45	2 38	2 1	32 18	11 7	19 27	19 47	21 13		n.a.
F 16	7 2	26 51	3 57	1 56	1 12	24 18	4 29	18 40	1 34	22 48	1 11	19 30	1 1	12 20	0 45	2 39	2 1	32 18	11 7	19 27	19 47	21 15		n.a.
S 17	7 24	25 29	4 35	2 54	1 3	24 26	4 28	18 28	1 35	22 47	1 11	19 32	1 1	12 19	0 45	2 39	2 1	32 18	11 7	19 27	19 46	21 17		n.a.
S 18	7 46	22 50	5 0	3 52	0 53	24 32	4 28	18 16	1 36	22 47	1 10	19 33	1 1	12 18	0 45	2 40	2 1	32 18	11 8	19 26	19 45	21 19		n.a.
M19	8 8	18 58	5 12	4 51	0 43	24 38	4 27	18 3	1 37	22 46	1 10	19 35	1 1	12 17	0 45	2 40	2 1	32 18	11 8	19 26	19 44	21 21		n.a.
T 20	8 30	14 2	5 6	5 51	0 33	24 43	4 26	17 51	1 37	22 45	1 10	19 36	1 1	12 16	0 45	2 41	2 1	32 19	11 8	19 24	19 44	21 24		n.a.
W21	8 51	8 15	4 43	6 50	0 22	24 48	4 25	17 38	1 38	22 44	1 10	19 38	1 1	12 15	0 45	2 41	2 1	32 19	11 9	19 23	19 43	21 26		n.a.
T 22	9 13	1 52	4 2	7 50	0 12	24 51	4 23	17 25	1 39	22 43	1 10	19 39	1 1	12 15	0 45	2 42	2 1	32 19	11 9	19 22	19 42	21 28		n.a.
F 23	9 35	4s47	3 5	8 49	0 1	24 54	4 21	17 12	1 40	22 42	1 10	19 41	1 0	12 14	0 45	2 43	2 1	32 20	11 9	19 21	19 41	21 30		n.a.
S 24	9 56	11 16	1 53	9 48	0n 9	24 57	4 19	16 59	1 41	22 41	1 10	19 42	1 0	12 13	0 45	2 43	2 1	32 20	11 10	19 20	19 41	21 32		n.a.
S 25	10 17	17 10	0 34	10 46	0 20	24 58	4 16	16 45	1 42	22 40	1 9	19 44	1 0	12 12	0 45	2 44	2 1	32 20	11 10	19 20	19 40	21 35		n.a.
M26	10 38	22 0	0s48	11 44	0 30	24 59	4 13	16 32	1 42	22 39	1 9	19 46	1 0	12 11	0 46	2 44	2 1	32 20	11 10	19 20	19 39	21 37		n.a.
T 27	10 59	25 22	2 5	12 40	0 40	24 59	4 10	16 19	1 43	22 38	1 9	19 47	1 0	12 11	0 46	2 45	2 1	32 21	11 11	19 20	19 38	21 39		n.a.
W28	11 19	26 58	3 13	13 35	0 50	24 58	4 6	16 5	1 44	22 37	1 9	19 49	1 0	12 10	0 46	2 45	2 1	32 21	11 11	19 21	19 38	21 41		n.a.
T 29	11 40	26 45	4 8	14 29	0 59	24 56	4 2	15 51	1 45	22 36	1 9	19 50	1 0	12 9	0 46	2 46	2 1	32 21	11 11	19 21	19 37	21 43		n.a.
F 30	12n 0	24s51	4s47	15n20	1n 9	24n53	3n58	15s37	1s46	22n35	1n 9	19n52	0s59	12s 8	0s46	2n46	2n 1	32s22	11s12	19n21	19n36	21n45		n.a.

Julian Day Number = 1473873.5, Delta T = 05h28m35s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°26'02, Lahiri = -13°19'01 Julian Calendar 1 Apr. 678 BCE == Greg. Calendar 25 March 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

MAY 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 4 32	2♉ 0'33	14♒40	9♉48	2♊51	23♒58	24♋59	2♊ 1	0♓35	27°R41	25♏19	25°R16	26♉16	3♊31	n.a.	S 1
S 2	14 8 28	2°57'50	27°53	11°54	2°56	24°42	25° 5	2° 8	0°37	27♍39	25°19	25♉14	26°13	3°37	n.a.	S 2
M 3	14 12 25	3°55'06	10♓49	13°59	2°R58	25°26	25°11	2°15	0°39	27°38	25°19	25°12	26° 9	3°44	n.a.	M 3
T 4	14 16 21	4°52'21	23°30	16° 2	2°58	26° 9	25°17	2°23	0°41	27°37	25°R19	25° 9	26° 6	3°51	n.a.	T 4
W 5	14 20 18	5°49'36	5♈58	18° 4	2°55	26°53	25°23	2°30	0°43	27°36	25°19	25° 6	26° 3	3°57	n.a.	W 5
T 6	14 24 14	6°46'50	18°14	20° 3	2°51	27°36	25°30	2°37	0°45	27°34	25°19	25° 3	26° 0	4° 4	n.a.	T 6
F 7	14 28 11	7°44'04	0♉20	22° 0	2°43	28°19	25°36	2°45	0°47	27°33	25°19	25° 1	25°57	4°11	n.a.	F 7
S 8	14 32 8	8°41'17	12°18	23°54	2°34	29° 3	25°43	2°52	0°49	27°32	25°19	25° 0	25°54	4°17	n.a.	S 8
S 9	14 36 4	9°38'29	24°10	25°47	2°22	29°46	25°50	2°59	0°50	27°31	25°19	25°D 0	25°50	4°24	n.a.	S 9
M10	14 40 1	10°35'41	5♊58	27°37	2° 7	0♓29	25°57	3° 7	0°52	27°30	25°18	25° 0	25°47	4°31	n.a.	M10
T 11	14 43 57	11°32'52	17°45	29°24	1°51	1°12	26° 4	3°14	0°54	27°29	25°18	25° 1	25°44	4°37	n.a.	T 11
W12	14 47 54	12°30'03	29°33	1♊10	1°32	1°55	26°11	3°22	0°55	27°28	25°18	25° 2	25°41	4°44	n.a.	W12
T 13	14 51 50	13°27'12	11♋28	2°52	1°10	2°38	26°18	3°29	0°57	27°27	25°18	25° 3	25°38	4°51	n.a.	T 13
F 14	14 55 47	14°24'21	23°31	4°33	0°47	3°21	26°26	3°37	0°58	27°26	25°18	25° 4	25°34	4°57	n.a.	F 14
S 15	14 59 43	15°21'30	5♌49	6°10	0°21	4° 4	26°33	3°44	1° 0	27°25	25°17	25° 4	25°31	5° 4	n.a.	S 15
S 16	15 3 40	16°18'37	18°24	7°46	29♉54	4°46	26°41	3°52	1° 1	27°24	25°17	25°R 5	25°28	5°10	n.a.	S 16
M17	15 7 37	17°15'44	1♍21	9°19	29°24	5°29	26°49	4° 0	1° 2	27°23	25°17	25° 4	25°25	5°17	n.a.	M17
T 18	15 11 33	18°12'50	14°44	10°49	28°53	6°11	26°57	4° 7	1° 4	27°22	25°16	25° 4	25°22	5°24	n.a.	T 18
W19	15 15 30	19° 9'55	28°33	12°17	28°20	6°54	27° 5	4°15	1° 5	27°21	25°16	25° 3	25°19	5°30	n.a.	W19
T 20	15 19 26	20° 7'00	12♎48	13°42	27°46	7°36	27°13	4°22	1° 6	27°20	25°16	25° 3	25°15	5°37	n.a.	T 20
F 21	15 23 23	21° 4'05	27°28	15° 5	27°11	8°18	27°21	4°30	1° 7	27°19	25°15	25° 2	25°12	5°44	n.a.	F 21
S 22	15 27 19	22° 1'09	12♏26	16°25	26°35	9° 0	27°30	4°38	1° 8	27°19	25°15	25° 2	25° 9	5°50	n.a.	S 22
S 23	15 31 16	22°58'13	27°34	17°42	25°58	9°42	27°38	4°46	1° 9	27°18	25°14	25°D 2	25° 6	5°57	n.a.	S 23
M24	15 35 12	23°55'17	12♐44	18°56	25°21	10°24	27°47	4°53	1°11	27°17	25°14	25° 2	25° 3	6° 4	n.a.	M24
T 25	15 39 9	24°52'21	27°46	20° 8	24°43	11° 6	27°56	5° 1	1°12	27°17	25°13	25°R 2	25° 0	6°10	n.a.	T 25
W26	15 43 6	25°49'26	12♑32	21°17	24° 6	11°48	28° 4	5° 9	1°12	27°16	25°13	25° 2	24°56	6°17	n.a.	W26
T 27	15 47 2	26°46'30	26°57	22°23	23°28	12°29	28°13	5°17	1°13	27°15	25°12	25° 2	24°53	6°24	n.a.	T 27
F 28	15 50 59	27°43'34	10♒58	23°26	22°51	13°11	28°22	5°24	1°14	27°15	25°12	25° 2	24°50	6°30	n.a.	F 28
S 29	15 54 55	28°40'39	24°33	24°26	22°15	13°52	28°32	5°32	1°15	27°14	25°11	25°D 2	24°47	6°37	n.a.	S 29
S 30	15 58 52	29°37'44	7♓44	25°23	21°40	14°34	28°41	5°40	1°16	27°13	25°11	25° 2	24°44	6°44	n.a.	S 30
M31	16 2 48	0♊34'50	20♓33	26♊16	21♉ 6	15♓15	28♋50	5♊48	1♓16	27♍13	25♏10	25♉ 2	24♉40	6♊50	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n20	21s35	5s 9	16n10	1n17	24n50	3n53	15s23	1s46	22n34	1n 9	19n53	0s59	12s 8	0s46	2n47	2n 1	32s22	11s12	19n21	19n35	21n48		n.a.
S 2	12 40	17 17	5 14	16 58	1 25	24 45	3 47	15 9	1 47	22 33	1 9	19 55	0 59	12 7	0 46	2 47	2 1	32 22	11 12	19 21	19 35	21 50		n.a.
M 3	13 0	12 16	5 3	17 44	1 32	24 40	3 42	14 55	1 48	22 31	1 8	19 57	0 59	12 6	0 46	2 48	2 1	32 22	11 13	19 20	19 34	21 52		n.a.
T 4	13 20	6 51	4 37	18 27	1 39	24 34	3 35	14 41	1 49	22 30	1 8	19 58	0 59	12 6	0 46	2 48	2 1	32 23	11 13	19 19	19 33	21 54		n.a.
W 5	13 39	1 15	3 59	19 8	1 45	24 27	3 28	14 26	1 49	22 29	1 8	20 0	0 59	12 5	0 46	2 49	2 1	32 23	11 13	19 19	19 32	21 56		n.a.
T 6	13 58	4n20	3 9	19 47	1 51	24 19	3 21	14 12	1 50	22 27	1 8	20 1	0 59	12 5	0 46	2 49	2 1	32 23	11 14	19 18	19 32	21 58		n.a.
F 7	14 17	9 41	2 12	20 23	1 56	24 10	3 14	13 57	1 51	22 26	1 8	20 3	0 59	12 4	0 46	2 49	2 1	32 24	11 14	19 17	19 31	22 0		n.a.
S 8	14 36	14 38	1 10	20 57	2 0	24 0	3 5	13 43	1 52	22 25	1 8	20 4	0 58	12 3	0 46	2 50	2 0	32 24	11 14	19 17	19 30	22 2		n.a.
S 9	14 54	19 0	0 5	21 28	2 3	23 49	2 57	13 28	1 52	22 23	1 8	20 6	0 58	12 3	0 46	2 50	2 0	32 24	11 15	19 17	19 29	22 5		n.a.
M10	15 13	22 36	1n 0	21 57	2 6	23 37	2 47	13 13	1 53	22 22	1 8	20 8	0 58	12 2	0 46	2 51	2 0	32 25	11 15	19 17	19 29	22 7		n.a.
T 11	15 31	25 14	2 3	22 23	2 8	23 24	2 38	12 58	1 54	22 20	1 8	20 9	0 58	12 2	0 46	2 51	2 0	32 25	11 15	19 17	19 28	22 9		n.a.
W12	15 48	26 47	3 0	22 47	2 9	23 10	2 28	12 43	1 54	22 19	1 7	20 11	0 58	12 1	0 46	2 51	2 0	32 26	11 16	19 18	19 27	22 11		n.a.
T 13	16 6	27 6	3 50	23 9	2 10	22 55	2 17	12 28	1 55	22 17	1 7	20 12	0 58	12 1	0 46	2 52	2 0	32 26	11 16	19 18	19 26	22 13		n.a.
F 14	16 23	26 8	4 31	23 28	2 10	22 39	2 6	12 13	1 56	22 16	1 7	20 14	0 58	12 0	0 46	2 52	2 0	32 26	11 16	19 18	19 26	22 15		n.a.
S 15	16 40	23 55	5 0	23 45	2 9	22 22	1 54	11 58	1 57	22 14	1 7	20 15	0 58	12 0	0 46	2 53	2 0	32 27	11 17	19 18	19 25	22 17		n.a.
S 16	16 57	20 31	5 15	24 0	2 7	22 5	1 42	11 43	1 57	22 13	1 7	20 17	0 57	11 59	0 46	2 53	2 0	32 27	11 17	19 18	19 24	22 19		n.a.
M17	17 14	16 3	5 16	24 13	2 5	21 46	1 30	11 27	1 58	22 11	1 7	20 18	0 57	11 59	0 46	2 53	2 0	32 27	11 17	19 18	19 23	22 21		n.a.
T 18	17 30	10 41	4 59	24 24	2 2	21 27	1 17	11 12	1 59	22 9	1 7	20 20	0 57	11 58	0 46	2 54	2 0	32 28	11 18	19 18	19 22	22 23		n.a.
W19	17 46	4 38	4 25	24 32	1 58	21 7	1 4	10 57	1 59	22 8	1 7	20 22	0 57	11 58	0 46	2 54	2 0	32 28	11 18	19 18	19 22	22 25		n.a.
T 20	18 1	1s51	3 34	24 39	1 54	20 46	0 51	10 41	2 0	22 6	1 7	20 23	0 57	11 57	0 46	2 54	2 0	32 29	11 18	19 18	19 21	22 27		n.a.
F 21	18 17	8 26	2 27	24 44	1 49	20 25	0 37	10 26	2 0	22 4	1 6	20 25	0 57	11 57	0 46	2 54	2 0	32 29	11 19	19 18	19 20	22 30		n.a.
S 22	18 32	14 41	1 9	24 47	1 44	20 3	0 23	10 10	2 1	22 2	1 6	20 26	0 57	11 57	0 46	2 55	2 0	32 29	11 19	19 18	19 19	22 32		n.a.
S 23	18 47	20 7	0s14	24 49	1 37	19 40	0 9	9 55	2 2	22 1	1 6	20 28	0 57	11 56	0 46	2 55	2 0	32 30	11 19	19 18	19 19	22 34		n.a.
M24	19 1	24 15	1 37	24 49	1 31	19 18	0s 5	9 39	2 2	21 59	1 6	20 29	0 57	11 56	0 47	2 55	2 0	32 30	11 19	19 18	19 18	22 36		n.a.
T 25	19 15	26 38	2 52	24 47	1 23	18 55	0 19	9 24	2 3	21 57	1 6	20 31	0 57	11 56	0 47	2 55	2 0	32 30	11 20	19 18	19 17	22 38		n.a.
W26	19 29	27 4	3 55	24 44	1 15	18 32	0 33	9 8	2 3	21 55	1 6	20 32	0 56	11 55	0 47	2 56	2 0	32 31	11 20	19 18	19 16	22 40		n.a.
T 27	19 43	25 39	4 40	24 40	1 6	18 9	0 46	8 52	2 4	21 53	1 6	20 34	0 56	11 55	0 47	2 56	2 0	32 31	11 20	19 18	19 15	22 42		n.a.
F 28	19 56	22 39	5 8	24 34	0 57	17 47	1 0	8 37	2 5	21 51	1 6	20 35	0 56	11 55	0 47	2 56	1 59	32 32	11 21	19 18	19 15	22 44		n.a.
S 29	20 9	18 30	5 18	24 27	0 47	17 24	1 14	8 21	2 5	21 49	1 6	20 37	0 56	11 54	0 47	2 56	1 59	32 32	11 21	19 18	19 14	22 46		n.a.
S 30	20 21	13 34	5 10	24 19	0 37	17 2	1 27	8 5	2 6	21 47	1 6	20 38	0 56	11 54	0 47	2 56	1 59	32 32	11 21	19 18	19 13	22 48		n.a.
M31	20n34	8s10	4s47	24n10	0n26	16n41	1s40	7s50	2s 6	21n45	1n 6	20n40	0s56	11s54	0s47	2n57	1n59	32s33	11s22	19n18	19n12	22n50		n.a.

Julian Day Number = 1473903.5, Delta T = 05h28m34s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'58, Lahiri = -13°18'57 Julian Calendar 1 May 678 BCE == Greg. Calendar 24 Apr. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

JUNE 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 6 45	1♊31'55	3♈ 4	27♊ 6	20°R34	15♓56	29♋ 0	5♊56	1♓17	27°R12	25°R 9	25♉ 2	24♉37	6♊57	n.a.	T 1
W 2	16 10 42	2°29'02	15°20	27°53	20♉ 3	16°37	29° 9	6° 3	1°18	27♍12	25♂ 9	25° 3	24°34	7° 3	n.a.	W 2
T 3	16 14 38	3°26'08	27°24	28°36	19°33	17°18	29°19	6°11	1°18	27°11	25° 8	25° 4	24°31	7°10	n.a.	T 3
F 4	16 18 35	4°23'15	9♉20	29°15	19° 6	17°59	29°29	6°19	1°19	27°11	25° 7	25° 5	24°28	7°17	n.a.	F 4
S 5	16 22 31	5°20'22	21°11	29°50	18°40	18°40	29°38	6°27	1°19	27°11	25° 6	25°R 5	24°25	7°23	n.a.	S 5
S 6	16 26 28	6°17'30	2♊58	0♋22	18°17	19°20	29°48	6°35	1°20	27°10	25° 6	25° 5	24°21	7°30	n.a.	S 6
M 7	16 30 24	7°14'38	14°46	0°49	17°55	20° 1	29°58	6°43	1°20	27°10	25° 5	25° 4	24°18	7°37	n.a.	M 7
T 8	16 34 21	8°11'47	26°34	1°11	17°36	20°41	0♌ 8	6°50	1°20	27°10	25° 4	25° 3	24°15	7°43	n.a.	T 8
W 9	16 38 17	9° 8'56	8♋28	1°30	17°20	21°21	0°19	6°58	1°21	27° 9	25° 3	25° 1	24°12	7°50	n.a.	W 9
T 10	16 42 14	10° 6'05	20°27	1°43	17° 5	22° 1	0°29	7° 6	1°21	27° 9	25° 2	24°59	24° 9	7°57	n.a.	T 10
F 11	16 46 11	11° 3'14	2♌36	1°52	16°53	22°41	0°39	7°14	1°21	27° 9	25° 2	24°57	24° 6	8° 3	n.a.	F 11
S 12	16 50 7	12° 0'24	14°57	1°R57	16°43	23°21	0°50	7°22	1°21	27° 9	25° 1	24°55	24° 2	8°10	n.a.	S 12
S 13	16 54 4	12°57'34	27°33	1°56	16°36	24° 0	1° 0	7°29	1°21	27° 9	25° 0	24°53	23°59	8°17	n.a.	S 13
M14	16 58 0	13°54'44	10♍28	1°51	16°31	24°40	1°11	7°37	1°R21	27° 9	24°59	24°D52	23°56	8°23	n.a.	M14
T 15	17 1 57	14°51'54	23°44	1°40	16°28	25°19	1°22	7°45	1°21	27° 9	24°58	24°53	23°53	8°30	n.a.	T 15
W16	17 5 53	15°49'05	7♎24	1°25	16°D28	25°58	1°32	7°53	1°21	27° 9	24°57	24°54	23°50	8°37	n.a.	W16
T 17	17 9 50	16°46'16	21°29	1° 5	16°30	26°37	1°43	8° 1	1°21	27°D 9	24°56	24°55	23°46	8°43	n.a.	T 17
F 18	17 13 47	17°43'28	5♏59	0°41	16°34	27°16	1°54	8° 8	1°21	27° 9	24°55	24°56	23°43	8°50	n.a.	F 18
S 19	17 17 43	18°40'40	20°49	0°13	16°41	27°55	2° 5	8°16	1°21	27° 9	24°54	24°R57	23°40	8°57	n.a.	S 19
S 20	17 21 40	19°37'53	5♐54	29♊40	16°49	28°33	2°16	8°24	1°20	27° 9	24°53	24°57	23°37	9° 3	n.a.	S 20
M21	17 25 36	20°35'07	21° 5	29° 4	17° 0	29°12	2°27	8°32	1°20	27° 9	24°52	24°55	23°34	9°10	n.a.	M21
T 22	17 29 33	21°32'21	6♑14	28°26	17°13	29°50	2°38	8°39	1°20	27° 9	24°51	24°52	23°31	9°17	n.a.	T 22
W23	17 33 29	22°29'37	21°11	27°45	17°28	0♈28	2°50	8°47	1°19	27° 9	24°50	24°49	23°27	9°23	n.a.	W23
T 24	17 37 26	23°26'53	5♒47	27° 2	17°44	1° 6	3° 1	8°55	1°19	27°10	24°49	24°45	23°24	9°30	n.a.	T 24
F 25	17 41 22	24°24'10	19°58	26°18	18° 3	1°44	3°12	9° 2	1°18	27°10	24°48	24°41	23°21	9°36	n.a.	F 25
S 26	17 45 19	25°21'29	3♓41	25°34	18°23	2°22	3°24	9°10	1°18	27°10	24°47	24°39	23°18	9°43	n.a.	S 26
S 27	17 49 16	26°18'49	16°55	24°50	18°46	2°59	3°35	9°18	1°17	27°10	24°46	24°37	23°15	9°50	n.a.	S 27
M28	17 53 12	27°16'10	29°45	24° 8	19°10	3°36	3°47	9°25	1°17	27°11	24°45	24°D36	23°12	9°56	n.a.	M28
T 29	17 57 9	28°13'32	12♈13	23°28	19°35	4°13	3°59	9°33	1°16	27°11	24°44	24°37	23° 8	10° 3	n.a.	T 29
W30	18 1 5	29♊10'56	24♈24	22♊51	20♉ 2	4♈50	4♌10	9♊40	1♓15	27♍12	24♑42	24♉39	23♉ 5	10♊10	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n46	2s35	4s10	23n59	0n15	16n20	1s53	7s34	2s 7	21n43	1n 5	20n41	0s56	11s54	0s47	2n57	1n59	32s33	11s22	19n18	19n12	22n52		n.a.
W 2	20 57	3n 0	3 23	23 48	0 3	16 0	2 5	7 18	2 7	21 41	1 5	20 43	0 56	11 54	0 47	2 57	1 59	32 34	11 22	19 18	19 11	22 54		n.a.
T 3	21 8	8 24	2 28	23 37	0s10	15 40	2 17	7 3	2 8	21 39	1 5	20 44	0 56	11 53	0 47	2 57	1 59	32 34	11 22	19 18	19 10	22 56		n.a.
F 4	21 19	13 27	1 26	23 24	0 22	15 22	2 29	6 47	2 8	21 37	1 5	20 45	0 56	11 53	0 47	2 57	1 59	32 35	11 23	19 18	19 9	22 58		n.a.
S 5	21 30	17 58	0 22	23 11	0 36	15 4	2 40	6 31	2 9	21 34	1 5	20 47	0 56	11 53	0 47	2 57	1 59	32 35	11 23	19 18	19 8	23 0		n.a.
S 6	21 40	21 46	0n44	22 57	0 49	14 47	2 50	6 15	2 9	21 32	1 5	20 48	0 55	11 53	0 47	2 57	1 59	32 35	11 23	19 18	19 8	23 2		n.a.
M 7	21 50	24 40	1 47	22 43	1 3	14 32	3 0	6 0	2 10	21 30	1 5	20 50	0 55	11 53	0 47	2 57	1 59	32 36	11 23	19 18	19 7	23 4		n.a.
T 8	21 59	26 30	2 46	22 29	1 17	14 17	3 10	5 44	2 10	21 28	1 5	20 51	0 55	11 53	0 47	2 57	1 59	32 36	11 24	19 18	19 6	23 6		n.a.
W 9	22 8	27 7	3 38	22 14	1 32	14 4	3 19	5 29	2 11	21 25	1 5	20 52	0 55	11 53	0 47	2 57	1 59	32 37	11 24	19 17	19 5	23 7		n.a.
T 10	22 17	26 29	4 21	21 59	1 47	13 52	3 27	5 13	2 11	21 23	1 5	20 54	0 55	11 53	0 47	2 57	1 59	32 37	11 24	19 17	19 4	23 9		n.a.
F 11	22 25	24 36	4 52	21 44	2 1	13 40	3 36	4 57	2 12	21 21	1 5	20 55	0 55	11 53	0 47	2 57	1 59	32 37	11 25	19 16	19 4	23 11		n.a.
S 12	22 33	21 31	5 11	21 30	2 16	13 30	3 43	4 42	2 12	21 18	1 5	20 57	0 55	11 53	0 47	2 57	1 59	32 38	11 25	19 16	19 3	23 13		n.a.
S 13	22 40	17 25	5 15	21 15	2 31	13 22	3 50	4 26	2 13	21 16	1 5	20 58	0 55	11 53	0 47	2 57	1 59	32 38	11 25	19 15	19 2	23 15		n.a.
M14	22 48	12 26	5 4	21 0	2 46	13 14	3 57	4 11	2 13	21 14	1 4	20 59	0 55	11 53	0 47	2 57	1 58	32 39	11 25	19 15	19 1	23 17		n.a.
T 15	22 54	6 45	4 37	20 46	3 0	13 7	4 3	3 55	2 13	21 11	1 4	21 1	0 55	11 53	0 47	2 57	1 58	32 39	11 25	19 15	19 0	23 19		n.a.
W16	23 1	0 35	3 53	20 32	3 14	13 2	4 8	3 40	2 14	21 9	1 4	21 2	0 55	11 53	0 47	2 57	1 58	32 40	11 26	19 16	19 0	23 21		n.a.
T 17	23 7	5s48	2 54	20 19	3 27	12 57	4 14	3 25	2 14	21 6	1 4	21 3	0 55	11 53	0 47	2 57	1 58	32 40	11 26	19 16	18 59	23 23		n.a.
F 18	23 12	12 5	1 43	20 7	3 40	12 54	4 18	3 9	2 15	21 4	1 4	21 5	0 55	11 53	0 47	2 57	1 58	32 40	11 26	19 16	18 58	23 25		n.a.
S 19	23 17	17 51	0 23	19 55	3 52	12 52	4 23	2 54	2 15	21 1	1 4	21 6	0 54	11 53	0 48	2 57	1 58	32 41	11 26	19 16	18 57	23 27		n.a.
S 20	23 22	22 35	1s 0	19 44	4 3	12 51	4 26	2 39	2 15	20 58	1 4	21 7	0 54	11 53	0 48	2 57	1 58	32 41	11 27	19 16	18 56	23 29		n.a.
M21	23 26	25 47	2 19	19 34	4 12	12 50	4 30	2 24	2 16	20 56	1 4	21 9	0 54	11 53	0 48	2 57	1 58	32 42	11 27	19 16	18 56	23 30		n.a.
T 22	23 30	27 5	3 28	19 25	4 21	12 51	4 33	2 8	2 16	20 53	1 4	21 10	0 54	11 54	0 48	2 57	1 58	32 42	11 27	19 15	18 55	23 32		n.a.
W23	23 34	26 23	4 21	19 17	4 28	12 53	4 35	1 53	2 16	20 50	1 4	21 11	0 54	11 54	0 48	2 57	1 58	32 42	11 27	19 14	18 54	23 34		n.a.
T 24	23 37	23 52	4 57	19 11	4 34	12 55	4 38	1 38	2 17	20 48	1 4	21 12	0 54	11 54	0 48	2 57	1 58	32 43	11 27	19 13	18 53	23 36		n.a.
F 25	23 39	19 57	5 12	19 6	4 38	12 58	4 40	1 23	2 17	20 45	1 4	21 14	0 54	11 54	0 48	2 56	1 58	32 43	11 28	19 13	18 52	23 38		n.a.
S 26	23 42	15 5	5 10	19 2	4 40	13 2	4 41	1 8	2 17	20 42	1 4	21 15	0 54	11 54	0 48	2 56	1 58	32 44	11 28	19 12	18 52	23 40		n.a.
S 27	23 44	9 40	4 50	19 0	4 41	13 7	4 43	0 54	2 17	20 40	1 4	21 16	0 54	11 55	0 48	2 56	1 58	32 44	11 28	19 11	18 51	23 42		n.a.
M28	23 45	4 1	4 17	19 0	4 39	13 13	4 44	0 39	2 18	20 37	1 4	21 17	0 54	11 55	0 48	2 56	1 58	32 45	11 28	19 11	18 50	23 44		n.a.
T 29	23 46	1n39	3 32	19 1	4 36	13 19	4 44	0 24	2 18	20 34	1 4	21 19	0 54	11 55	0 48	2 56	1 58	32 45	11 28	19 12	18 49	23 45		n.a.
W30	23n47	7n 8	2s38	19n 4	4s32	13n26	4s45	0s10	2s18	20n31	1n 4	21n20	0s54	11s56	0s48	2n55	1n57	32s45	11s29	19n12	18n48	23n47		n.a.

Julian Day Number = 1473934.5, Delta T = 05h28m32s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'54, Lahiri = -13°18'53 Julian Calendar 1 June 678 BCE == Greg. Calendar 25 May 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

JULY 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 5 2	0♋ 8'21	6♉22	22°R18	20♉31	5♈27	4♌22	9♊48	1°R14	27♍12	24°R41	24♉40	23♉ 2	10♊16	n.a.	T 1
F 2	18 8 58	1° 5'48	18°13	21♊48	21° 1	6° 4	4°34	9°55	1♓14	27°12	24♊40	24°42	22°59	10°23	n.a.	F 2
S 3	18 12 55	2° 3'16	0♊ 0	21°24	21°33	6°40	4°46	10° 3	1°13	27°13	24°39	24°R42	22°56	10°30	n.a.	S 3
S 4	18 16 51	3° 0'45	11°47	21° 6	22° 6	7°16	4°58	10°10	1°12	27°14	24°38	24°40	22°52	10°36	n.a.	S 4
M 5	18 20 48	3°58'15	23°36	20°53	22°40	7°52	5°10	10°18	1°11	27°14	24°37	24°37	22°49	10°43	n.a.	M 5
T 6	18 24 45	4°55'47	5♋31	20°D46	23°16	8°28	5°22	10°25	1°10	27°15	24°35	24°32	22°46	10°50	n.a.	T 6
W 7	18 28 41	5°53'20	17°33	20°46	23°53	9° 3	5°34	10°32	1° 9	27°15	24°34	24°25	22°43	10°56	n.a.	W 7
T 8	18 32 38	6°50'55	29°43	20°53	24°31	9°39	5°46	10°40	1° 8	27°16	24°33	24°17	22°40	11° 3	n.a.	T 8
F 9	18 36 34	7°48'30	12♌ 2	21° 7	25°10	10°14	5°58	10°47	1° 7	27°17	24°32	24°10	22°37	11°10	n.a.	F 9
S 10	18 40 31	8°46'07	24°34	21°28	25°50	10°48	6°10	10°54	1° 5	27°17	24°30	24° 2	22°33	11°16	n.a.	S 10
S 11	18 44 27	9°43'45	7♍18	21°56	26°31	11°23	6°23	11° 2	1° 4	27°18	24°29	23°57	22°30	11°23	n.a.	S 11
M12	18 48 24	10°41'24	20°16	22°31	27°14	11°57	6°35	11° 9	1° 3	27°19	24°28	23°53	22°27	11°30	n.a.	M12
T 13	18 52 21	11°39'04	3♎31	23°13	27°57	12°31	6°47	11°16	1° 2	27°20	24°27	23°51	22°24	11°36	n.a.	T 13
W14	18 56 17	12°36'46	17° 5	24° 1	28°41	13° 5	7° 0	11°23	1° 0	27°21	24°25	23°D51	22°21	11°43	n.a.	W14
T 15	19 0 14	13°34'28	0♏59	24°57	29°26	13°39	7°12	11°30	0°59	27°22	24°24	23°51	22°18	11°50	n.a.	T 15
F 16	19 4 10	14°32'12	15°13	25°59	0♊12	14°12	7°24	11°37	0°58	27°23	24°23	23°52	22°14	11°56	n.a.	F 16
S 17	19 8 7	15°29'57	29°46	27° 7	0°59	14°46	7°37	11°44	0°56	27°23	24°22	23°R52	22°11	12° 3	n.a.	S 17
S 18	19 12 3	16°27'44	14♐35	28°22	1°46	15°18	7°49	11°51	0°55	27°24	24°20	23°51	22° 8	12° 9	n.a.	S 18
M19	19 16 0	17°25'32	29°34	29°42	2°35	15°51	8° 2	11°58	0°53	27°25	24°19	23°47	22° 5	12°16	n.a.	M19
T 20	19 19 56	18°23'21	14♑34	1♋ 7	3°24	16°23	8°15	12° 5	0°51	27°27	24°18	23°41	22° 2	12°23	n.a.	T 20
W21	19 23 53	19°21'12	29°28	2°37	4°14	16°55	8°27	12°12	0°50	27°28	24°16	23°33	21°58	12°29	n.a.	W21
T 22	19 27 50	20°19'05	14♒ 5	4°12	5° 4	17°27	8°40	12°18	0°48	27°29	24°15	23°24	21°55	12°36	n.a.	T 22
F 23	19 31 46	21°17'00	28°19	5°51	5°56	17°59	8°53	12°25	0°47	27°30	24°14	23°16	21°52	12°43	n.a.	F 23
S 24	19 35 43	22°14'56	12♓ 6	7°34	6°48	18°30	9° 5	12°32	0°45	27°31	24°13	23° 8	21°49	12°49	n.a.	S 24
S 25	19 39 39	23°12'54	25°25	9°20	7°40	19° 1	9°18	12°38	0°43	27°32	24°11	23° 3	21°46	12°56	n.a.	S 25
M26	19 43 36	24°10'54	8♈17	11° 8	8°33	19°32	9°31	12°45	0°41	27°33	24°10	22°59	21°43	13° 3	n.a.	M26
T 27	19 47 32	25° 8'57	20°46	13° 0	9°27	20° 2	9°44	12°51	0°40	27°35	24° 9	22°D58	21°39	13° 9	n.a.	T 27
W28	19 51 29	26° 7'01	2♉57	14°52	10°22	20°32	9°56	12°58	0°38	27°36	24° 7	22°58	21°36	13°16	n.a.	W28
T 29	19 55 25	27° 5'08	14°55	16°47	11°17	21° 2	10° 9	13° 4	0°36	27°37	24° 6	22°59	21°33	13°23	n.a.	T 29
F 30	19 59 22	28° 3'16	26°44	18°42	12°12	21°31	10°22	13°11	0°34	27°38	24° 5	22°R59	21°30	13°29	n.a.	F 30
S 31	20 3 19	29♋ 1'27	8♊31	20♋39	13♊ 8	22♈ 0	10♌35	13♊17	0♓32	27♍40	24♑ 3	22♉58	21♉27	13♊36	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n47	12n17	1s38	19n 8	4s25	13n33	4s45	0n 5	2s19	20n28	1n 4	21n21	0s54	11s56	0s48	2n55	1n57	32s46	11s29	19n12	18n48	23n49			n.a.
F 2	23 46	16 56	0 35	19 14	4 18	13 41	4 45	0 19	2 19	20 25	1 4	21 22	0 54	11 56	0 48	2 55	1 57	32 46	11 29	19 13	18 47	23 51			n.a.
S 3	23 46	20 54	0n29	19 22	4 8	13 50	4 44	0 34	2 19	20 22	1 4	21 23	0 54	11 57	0 48	2 55	1 57	32 47	11 29	19 13	18 46	23 53			n.a.
S 4	23 45	24 2	1 32	19 31	3 58	13 59	4 44	0 48	2 19	20 19	1 4	21 24	0 54	11 57	0 48	2 54	1 57	32 47	11 29	19 12	18 45	23 54			n.a.
M 5	23 43	26 8	2 31	19 42	3 46	14 8	4 43	1 2	2 19	20 16	1 4	21 26	0 54	11 57	0 48	2 54	1 57	32 47	11 29	19 11	18 44	23 56			n.a.
T 6	23 41	27 3	3 23	19 54	3 33	14 18	4 42	1 16	2 20	20 13	1 4	21 27	0 53	11 58	0 48	2 54	1 57	32 48	11 30	19 10	18 43	23 58			n.a.
W 7	23 39	26 42	4 8	20 8	3 20	14 29	4 41	1 30	2 20	20 10	1 4	21 28	0 53	11 58	0 48	2 53	1 57	32 48	11 30	19 8	18 43	24 0			n.a.
T 8	23 36	25 4	4 41	20 23	3 5	14 39	4 39	1 44	2 20	20 7	1 3	21 29	0 53	11 59	0 48	2 53	1 57	32 48	11 30	19 7	18 42	24 2			n.a.
F 9	23 33	22 14	5 2	20 39	2 50	14 50	4 38	1 58	2 20	20 4	1 3	21 30	0 53	11 59	0 48	2 53	1 57	32 49	11 30	19 5	18 41	24 3			n.a.
S 10	23 29	18 21	5 8	20 55	2 35	15 1	4 36	2 12	2 20	20 1	1 3	21 31	0 53	11 59	0 48	2 52	1 57	32 49	11 30	19 3	18 40	24 5			n.a.
S 11	23 25	13 35	5 0	21 13	2 19	15 13	4 34	2 25	2 20	19 58	1 3	21 32	0 53	12 0	0 48	2 52	1 57	32 50	11 30	19 1	18 39	24 7			n.a.
M12	23 20	8 8	4 37	21 31	2 3	15 25	4 32	2 39	2 20	19 55	1 3	21 33	0 53	12 0	0 48	2 52	1 57	32 50	11 30	19 0	18 39	24 9			n.a.
T 13	23 16	2 13	3 58	21 49	1 47	15 37	4 29	2 52	2 20	19 52	1 3	21 34	0 53	12 1	0 48	2 51	1 57	32 50	11 31	19 0	18 38	24 10			n.a.
W14	23 10	3s57	3 5	22 8	1 31	15 49	4 27	3 5	2 21	19 48	1 3	21 35	0 53	12 1	0 48	2 51	1 57	32 51	11 31	19 0	18 37	24 12			n.a.
T 15	23 4	10 6	2 0	22 26	1 15	16 1	4 24	3 18	2 21	19 45	1 3	21 36	0 53	12 2	0 48	2 51	1 57	32 51	11 31	19 0	18 36	24 14			n.a.
F 16	22 58	15 53	0 47	22 44	0 59	16 13	4 21	3 31	2 21	19 42	1 3	21 37	0 53	12 2	0 48	2 50	1 57	32 51	11 31	19 0	18 35	24 16			n.a.
S 17	22 52	20 54	0s32	23 1	0 44	16 26	4 18	3 44	2 21	19 39	1 3	21 38	0 53	12 3	0 49	2 50	1 56	32 52	11 31	19 0	18 34	24 17			n.a.
S 18	22 45	24 41	1 49	23 17	0 29	16 38	4 15	3 57	2 21	19 35	1 3	21 39	0 53	12 4	0 49	2 49	1 56	32 52	11 31	19 0	18 34	24 19			n.a.
M19	22 37	26 46	3 0	23 32	0 15	16 51	4 12	4 10	2 21	19 32	1 3	21 40	0 53	12 4	0 49	2 49	1 56	32 52	11 31	18 59	18 33	24 21			n.a.
T 20	22 30	26 54	3 58	23 45	0 1	17 3	4 9	4 22	2 21	19 29	1 3	21 41	0 53	12 5	0 49	2 48	1 56	32 53	11 31	18 57	18 32	24 23			n.a.
W21	22 22	25 6	4 39	23 57	0n12	17 16	4 6	4 35	2 21	19 25	1 3	21 42	0 53	12 5	0 49	2 48	1 56	32 53	11 31	18 55	18 31	24 24			n.a.
T 22	22 13	21 38	5 1	24 7	0 24	17 29	4 2	4 47	2 21	19 22	1 3	21 43	0 53	12 6	0 49	2 47	1 56	32 53	11 31	18 53	18 30	24 26			n.a.
F 23	22 4	16 58	5 4	24 15	0 36	17 41	3 59	4 59	2 21	19 19	1 3	21 44	0 53	12 7	0 49	2 47	1 56	32 54	11 31	18 51	18 29	24 28			n.a.
S 24	21 55	11 33	4 49	24 20	0 47	17 54	3 55	5 11	2 21	19 15	1 3	21 45	0 53	12 7	0 49	2 46	1 56	32 54	11 32	18 49	18 29	24 29			n.a.
S 25	21 45	5 47	4 18	24 23	0 56	18 6	3 51	5 23	2 21	19 12	1 3	21 46	0 53	12 8	0 49	2 46	1 56	32 54	11 32	18 48	18 28	24 31			n.a.
M26	21 35	0n 2	3 35	24 23	1 5	18 18	3 47	5 35	2 21	19 8	1 3	21 47	0 53	12 9	0 49	2 45	1 56	32 55	11 32	18 47	18 27	24 33			n.a.
T 27	21 24	5 42	2 43	24 21	1 14	18 30	3 43	5 46	2 21	19 5	1 3	21 47	0 53	12 9	0 49	2 45	1 56	32 55	11 32	18 47	18 26	24 34			n.a.
W28	21 13	11 2	1 45	24 16	1 21	18 42	3 39	5 58	2 20	19 1	1 3	21 48	0 53	12 10	0 49	2 44	1 56	32 55	11 32	18 47	18 25	24 36			n.a.
T 29	21 2	15 51	0 43	24 9	1 27	18 54	3 35	6 9	2 20	18 58	1 3	21 49	0 53	12 11	0 49	2 44	1 56	32 55	11 32	18 47	18 24	24 38			n.a.
F 30	20 51	20 2	0n20	23 59	1 32	19 5	3 31	6 21	2 20	18 54	1 3	21 50	0 53	12 11	0 49	2 43	1 56	32 56	11 32	18 47	18 24	24 39			n.a.
S 31	20n39	23n23	1n22	23n46	1n37	19n17	3s27	6n32	2s20	18n51	1n 3	21n51	0s53	12s12	0s49	2n42	1n56	32s56	11s32	18n46	18n23	24n41			n.a.

Julian Day Number = 1473964.5, Delta T = 05h28m31s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'50, Lahiri = -13°18'49 Julian Calendar 1 July 678 BCE == Greg. Calendar 24 June 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

AUGUST 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 7 15	29♋59'40	20♊20	22♋35	14♊ 5	22♈29	10♌48	13♊23	0°R30	27♍41	24°R 2	22°R54	21♉24	13♊43	n.a.	S 1
M 2	20 11 12	0♌57'55	2♋14	24°32	15° 2	22°57	11° 1	13°29	0♓28	27°43	24♑ 1	22♉48	21°20	13°49	n.a.	M 2
T 3	20 15 8	1°56'11	14°17	26°29	15°59	23°25	11°14	13°35	0°26	27°44	24° 0	22°39	21°17	13°56	n.a.	T 3
W 4	20 19 5	2°54'30	26°29	28°26	16°57	23°53	11°27	13°41	0°24	27°45	23°58	22°29	21°14	14° 3	n.a.	W 4
T 5	20 23 1	3°52'51	8♌54	0♌22	17°56	24°20	11°40	13°47	0°22	27°47	23°57	22°16	21°11	14° 9	n.a.	T 5
F 6	20 26 58	4°51'14	21°30	2°17	18°55	24°47	11°53	13°53	0°20	27°48	23°56	22° 4	21° 8	14°16	n.a.	F 6
S 7	20 30 54	5°49'38	4♍19	4°12	19°54	25°13	12° 6	13°59	0°18	27°50	23°55	21°52	21° 4	14°23	n.a.	S 7
S 8	20 34 51	6°48'05	17°19	6° 6	20°53	25°39	12°19	14° 5	0°15	27°52	23°53	21°42	21° 1	14°29	n.a.	S 8
M 9	20 38 47	7°46'33	0♎30	7°59	21°53	26° 5	12°32	14°11	0°13	27°53	23°52	21°35	20°58	14°36	n.a.	M 9
T 10	20 42 44	8°45'03	13°54	9°51	22°54	26°30	12°45	14°16	0°11	27°55	23°51	21°30	20°55	14°43	n.a.	T 10
W11	20 46 41	9°43'35	27°30	11°43	23°55	26°55	12°58	14°22	0° 9	27°56	23°50	21°28	20°52	14°49	n.a.	W11
T 12	20 50 37	10°42'08	11♏19	13°33	24°56	27°19	13°11	14°27	0° 7	27°58	23°48	21°D28	20°49	14°56	n.a.	T 12
F 13	20 54 34	11°40'43	25°21	15°22	25°57	27°43	13°24	14°33	0° 4	28° 0	23°47	21°R28	20°45	15° 3	n.a.	F 13
S 14	20 58 30	12°39'20	9♐38	17°10	26°59	28° 6	13°37	14°38	0° 2	28° 1	23°46	21°27	20°42	15° 9	n.a.	S 14
S 15	21 2 27	13°37'59	24° 6	18°57	28° 2	28°29	13°50	14°43	29♒59	28° 3	23°45	21°24	20°39	15°16	n.a.	S 15
M16	21 6 23	14°36'40	8♑42	20°43	29° 4	28°52	14° 3	14°48	29°58	28° 5	23°43	21°18	20°36	15°23	n.a.	M16
T 17	21 10 20	15°35'23	23°21	22°28	0♋ 7	29°14	14°16	14°54	29°55	28° 7	23°42	21°10	20°33	15°29	n.a.	T 17
W18	21 14 16	16°34'07	7♒56	24°12	1°10	29°35	14°29	14°59	29°53	28° 8	23°41	20°59	20°30	15°36	n.a.	W18
T 19	21 18 13	17°32'54	22°20	25°55	2°14	29°56	14°42	15° 4	29°51	28°10	23°40	20°48	20°26	15°43	n.a.	T 19
F 20	21 22 10	18°31'43	6♓25	27°37	3°17	0♉17	14°55	15° 9	29°48	28°12	23°39	20°36	20°23	15°49	n.a.	F 20
S 21	21 26 6	19°30'33	20° 8	29°19	4°21	0°37	15° 8	15°13	29°46	28°14	23°38	20°25	20°20	15°56	n.a.	S 21
S 22	21 30 3	20°29'27	3♈26	0♍59	5°26	0°56	15°21	15°18	29°43	28°16	23°36	20°17	20°17	16° 3	n.a.	S 22
M23	21 33 59	21°28'22	16°19	2°38	6°30	1°15	15°34	15°23	29°41	28°17	23°35	20°11	20°14	16° 9	n.a.	M23
T 24	21 37 56	22°27'20	28°49	4°16	7°35	1°34	15°47	15°27	29°39	28°19	23°34	20° 8	20°10	16°16	n.a.	T 24
W25	21 41 52	23°26'20	11♉ 1	5°53	8°40	1°51	16° 0	15°32	29°36	28°21	23°33	20° 7	20° 7	16°22	n.a.	W25
T 26	21 45 49	24°25'23	23° 0	7°30	9°46	2° 9	16°13	15°36	29°34	28°23	23°32	20° 7	20° 4	16°29	n.a.	T 26
F 27	21 49 45	25°24'28	4♊51	9° 5	10°52	2°25	16°26	15°40	29°31	28°25	23°31	20° 6	20° 1	16°36	n.a.	F 27
S 28	21 53 42	26°23'36	16°39	10°40	11°58	2°41	16°39	15°45	29°29	28°27	23°30	20° 5	19°58	16°42	n.a.	S 28
S 29	21 57 39	27°22'46	28°30	12°14	13° 4	2°57	16°52	15°49	29°27	28°29	23°29	20° 2	19°55	16°49	n.a.	S 29
M30	22 1 35	28°21'58	10♋28	13°47	14°10	3°11	17° 5	15°53	29°24	28°31	23°28	19°56	19°51	16°56	n.a.	M30
T 31	22 5 32	29♌21'13	22♋37	15♍19	15♋17	3♉25	17♌18	15♊57	29♒22	28♍33	23♑27	19♉47	19♉48	17♊ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	20n26	25n45	2n20	23n31	1n41	19n28	3s22	6n43	2s20	18n47	1n 4	21n52	0s53	12s13	0s49	2n42	1n56	32s56	11s32	18n46	18n22	24n43			n.a.
M 2	20 14	26 58	3 13	23 13	1 44	19 39	3 18	6 53	2 20	18 44	1 4	21 52	0 53	12 14	0 49	2 41	1 56	32 57	11 32	18 44	18 21	24 44			n.a.
T 3	20 1	26 56	3 57	22 53	1 46	19 49	3 14	7 4	2 19	18 40	1 4	21 53	0 53	12 14	0 49	2 41	1 56	32 57	11 32	18 42	18 20	24 46			n.a.
W 4	19 47	25 35	4 31	22 31	1 47	19 59	3 9	7 14	2 19	18 37	1 4	21 54	0 53	12 15	0 49	2 40	1 55	32 57	11 32	18 39	18 19	24 48			n.a.
T 5	19 33	23 0	4 53	22 7	1 48	20 9	3 5	7 25	2 19	18 33	1 4	21 55	0 52	12 16	0 49	2 39	1 55	32 57	11 32	18 36	18 19	24 49			n.a.
F 6	19 19	19 16	5 1	21 41	1 48	20 19	3 0	7 35	2 19	18 29	1 4	21 55	0 52	12 17	0 49	2 39	1 55	32 57	11 32	18 32	18 18	24 51			n.a.
S 7	19 5	14 37	4 54	21 13	1 48	20 28	2 56	7 45	2 19	18 26	1 4	21 56	0 52	12 17	0 49	2 38	1 55	32 58	11 32	18 29	18 17	24 52			n.a.
S 8	18 50	9 15	4 32	20 44	1 46	20 37	2 51	7 55	2 18	18 22	1 4	21 57	0 52	12 18	0 49	2 37	1 55	32 58	11 32	18 27	18 16	24 54			n.a.
M 9	18 35	3 23	3 55	20 13	1 45	20 46	2 46	8 4	2 18	18 18	1 4	21 57	0 52	12 19	0 49	2 37	1 55	32 58	11 32	18 25	18 15	24 56			n.a.
T 10	18 20	2s43	3 5	19 41	1 43	20 54	2 42	8 14	2 18	18 15	1 4	21 58	0 52	12 20	0 49	2 36	1 55	32 58	11 32	18 24	18 14	24 57			n.a.
W11	18 4	8 49	2 3	19 7	1 40	21 1	2 37	8 23	2 17	18 11	1 4	21 59	0 52	12 21	0 49	2 35	1 55	32 59	11 32	18 23	18 13	24 59			n.a.
T 12	17 48	14 35	0 53	18 32	1 37	21 9	2 32	8 32	2 17	18 7	1 4	21 59	0 52	12 21	0 49	2 35	1 55	32 59	11 32	18 23	18 13	25 0			n.a.
F 13	17 32	19 42	0s21	17 56	1 33	21 16	2 27	8 41	2 17	18 3	1 4	22 0	0 52	12 22	0 49	2 34	1 55	32 59	11 32	18 23	18 12	25 2			n.a.
S 14	17 15	23 46	1 35	17 20	1 30	21 22	2 23	8 50	2 16	18 0	1 4	22 1	0 52	12 23	0 49	2 33	1 55	32 59	11 32	18 23	18 11	25 4			n.a.
S 15	16 58	26 22	2 43	16 42	1 25	21 28	2 18	8 59	2 16	17 56	1 4	22 1	0 52	12 24	0 49	2 32	1 55	32 59	11 32	18 22	18 10	25 5			n.a.
M16	16 41	27 11	3 42	16 4	1 21	21 34	2 13	9 7	2 15	17 52	1 4	22 2	0 52	12 25	0 49	2 32	1 55	33 0	11 32	18 21	18 9	25 7			n.a.
T 17	16 23	26 6	4 26	15 25	1 16	21 39	2 8	9 15	2 15	17 48	1 4	22 3	0 52	12 25	0 49	2 31	1 55	33 0	11 31	18 18	18 8	25 8			n.a.
W18	16 6	23 15	4 53	14 45	1 11	21 43	2 3	9 23	2 14	17 44	1 4	22 3	0 52	12 26	0 49	2 30	1 55	33 0	11 31	18 16	18 7	25 10			n.a.
T 19	15 48	18 59	5 0	14 5	1 5	21 47	1 58	9 31	2 14	17 41	1 4	22 4	0 52	12 27	0 49	2 29	1 55	33 0	11 31	18 12	18 7	25 11			n.a.
F 20	15 29	13 45	4 49	13 24	1 0	21 51	1 54	9 39	2 13	17 37	1 4	22 4	0 52	12 28	0 49	2 29	1 55	33 0	11 31	18 9	18 6	25 13			n.a.
S 21	15 11	7 57	4 21	12 43	0 54	21 54	1 49	9 47	2 13	17 33	1 4	22 5	0 52	12 29	0 49	2 28	1 55	33 0	11 31	18 6	18 5	25 14			n.a.
S 22	14 52	1 59	3 40	12 2	0 48	21 56	1 44	9 54	2 12	17 29	1 4	22 5	0 52	12 30	0 49	2 27	1 55	33 0	11 31	18 4	18 4	25 16			n.a.
M23	14 33	3n55	2 49	11 20	0 42	21 58	1 39	10 1	2 12	17 25	1 5	22 6	0 52	12 31	0 49	2 26	1 55	33 1	11 31	18 2	18 3	25 17			n.a.
T 24	14 13	9 30	1 50	10 38	0 35	21 59	1 34	10 8	2 11	17 21	1 5	22 6	0 52	12 31	0 49	2 25	1 55	33 1	11 31	18 2	18 2	25 19			n.a.
W25	13 54	14 35	0 48	9 56	0 29	22 0	1 29	10 15	2 10	17 17	1 5	22 7	0 52	12 32	0 49	2 25	1 55	33 1	11 31	18 1	18 1	25 20			n.a.
T 26	13 34	19 2	0n15	9 13	0 22	22 0	1 25	10 22	2 10	17 14	1 5	22 7	0 52	12 33	0 49	2 24	1 55	33 1	11 31	18 1	18 1	25 22			n.a.
F 27	13 14	22 40	1 17	8 31	0 15	22 0	1 20	10 28	2 9	17 10	1 5	22 8	0 52	12 34	0 49	2 23	1 55	33 1	11 31	18 1	18 0	25 23			n.a.
S 28	12 54	25 21	2 16	7 48	0 8	21 59	1 15	10 34	2 8	17 6	1 5	22 8	0 52	12 35	0 49	2 22	1 55	33 1	11 30	18 1	17 59	25 25			n.a.
S 29	12 33	26 54	3 8	7 6	0 1	21 58	1 10	10 40	2 8	17 2	1 5	22 9	0 52	12 36	0 49	2 21	1 54	33 1	11 30	18 0	17 58	25 26			n.a.
M30	12 13	27 14	3 53	6 23	0s 6	21 56	1 6	10 46	2 7	16 58	1 5	22 9	0 52	12 37	0 49	2 21	1 54	33 1	11 30	17 58	17 57	25 28			n.a.
T 31	11n52	26n15	4n28	5n40	0s13	21n53	1s 1	10n52	2s 6	16n54	1n 5	22n10	0s52	12s37	0s49	2n20	1n54	33s 1	11s30	17n56	17n56	25n29			n.a.

Julian Day Number = 1473995.5, Delta T = 05h28m29s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'45, Lahiri = -13°18'45 Julian Calendar 1 Aug. 678 BCE == Greg. Calendar 25 July 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

SEPTEMBER 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 9 28	0♍20'30	5♌ 1	16♍50	16♋24	3♉39	17♌31	16♊ 1	29°R19	28♍35	23°R26	19°R36	19♉45	17♊ 9	n.a.	W 1
T 2	22 13 25	1°19'50	17°40	18°20	17°31	3°52	17°44	16° 4	29♒17	28°37	23♏25	19♉23	19°42	17°16	n.a.	T 2
F 3	22 17 21	2°19'11	0♍35	19°50	18°38	4° 4	17°57	16° 8	29°14	28°39	23°24	19°10	19°39	17°22	n.a.	F 3
S 4	22 21 18	3°18'35	13°44	21°19	19°46	4°15	18°10	16°12	29°12	28°41	23°23	18°57	19°36	17°29	n.a.	S 4
S 5	22 25 14	4°18'01	27° 7	22°47	20°53	4°26	18°22	16°15	29°10	28°43	23°22	18°47	19°32	17°36	n.a.	S 5
M 6	22 29 11	5°17'29	10♎40	24°14	22° 1	4°36	18°35	16°18	29° 7	28°45	23°21	18°39	19°29	17°42	n.a.	M 6
T 7	22 33 7	6°16'58	24°23	25°40	23° 9	4°45	18°48	16°22	29° 5	28°48	23°20	18°35	19°26	17°49	n.a.	T 7
W 8	22 37 4	7°16'30	8♏13	27° 5	24°18	4°53	19° 1	16°25	29° 2	28°50	23°19	18°32	19°23	17°56	n.a.	W 8
T 9	22 41 1	8°16'04	22° 9	28°30	25°26	5° 1	19°13	16°28	29° 0	28°52	23°18	18°D32	19°20	18° 2	n.a.	T 9
F 10	22 44 57	9°15'40	6♐12	29°53	26°35	5° 8	19°26	16°31	28°58	28°54	23°18	18°R32	19°16	18° 9	n.a.	F 10
S 11	22 48 54	10°15'17	20°19	1♎16	27°43	5°14	19°39	16°34	28°55	28°56	23°17	18°32	19°13	18°16	n.a.	S 11
S 12	22 52 50	11°14'57	4♑30	2°37	28°52	5°19	19°51	16°37	28°53	28°58	23°16	18°30	19°10	18°22	n.a.	S 12
M13	22 56 47	12°14'38	18°43	3°58	0♌ 2	5°24	20° 4	16°39	28°51	29° 0	23°15	18°25	19° 7	18°29	n.a.	M13
T 14	23 0 43	13°14'21	2♒56	5°17	1°11	5°27	20°16	16°42	28°48	29° 3	23°14	18°18	19° 4	18°36	n.a.	T 14
W15	23 4 40	14°14'06	17° 4	6°35	2°20	5°30	20°29	16°44	28°46	29° 5	23°14	18° 9	19° 1	18°42	n.a.	W15
T 16	23 8 36	15°13'53	1♓ 3	7°52	3°30	5°32	20°41	16°47	28°44	29° 7	23°13	17°58	18°57	18°49	n.a.	T 16
F 17	23 12 33	16°13'41	14°48	9° 8	4°40	5°33	20°54	16°49	28°41	29° 9	23°12	17°48	18°54	18°56	n.a.	F 17
S 18	23 16 30	17°13'32	28°15	10°22	5°50	5°R34	21° 6	16°51	28°39	29°11	23°12	17°38	18°51	19° 2	n.a.	S 18
S 19	23 20 26	18°13'25	11♈23	11°34	7° 0	5°33	21°19	16°53	28°37	29°14	23°11	17°31	18°48	19° 9	n.a.	S 19
M20	23 24 23	19°13'20	24°10	12°45	8°10	5°32	21°31	16°55	28°35	29°16	23°10	17°26	18°45	19°16	n.a.	M20
T 21	23 28 19	20°13'18	6♉38	13°53	9°20	5°30	21°43	16°57	28°32	29°18	23°10	17°23	18°41	19°22	n.a.	T 21
W22	23 32 16	21°13'17	18°50	15° 0	10°31	5°27	21°55	16°59	28°30	29°20	23° 9	17°D22	18°38	19°29	n.a.	W22
T 23	23 36 12	22°13'19	0♊49	16° 4	11°42	5°23	22° 7	17° 0	28°28	29°22	23° 9	17°23	18°35	19°36	n.a.	T 23
F 24	23 40 9	23°13'23	12°40	17° 6	12°53	5°18	22°19	17° 2	28°26	29°25	23° 8	17°24	18°32	19°42	n.a.	F 24
S 25	23 44 5	24°13'30	24°29	18° 5	14° 4	5°12	22°32	17° 3	28°24	29°27	23° 8	17°R25	18°29	19°49	n.a.	S 25
S 26	23 48 2	25°13'38	6♋21	19° 0	15°15	5° 5	22°44	17° 4	28°22	29°29	23° 7	17°24	18°26	19°56	n.a.	S 26
M27	23 51 58	26°13'49	18°20	19°52	16°26	4°58	22°55	17° 6	28°20	29°31	23° 7	17°21	18°22	20° 2	n.a.	M27
T 28	23 55 55	27°14'03	0♌33	20°41	17°37	4°49	23° 7	17° 7	28°17	29°34	23° 6	17°16	18°19	20° 9	n.a.	T 28
W29	23 59 52	28°14'18	13° 2	21°24	18°49	4°40	23°19	17° 8	28°15	29°36	23° 6	17°10	18°16	20°16	n.a.	W29
T 30	0 3 48	29♍14'35	25♌50	22♎ 3	20♌ 0	4♉30	23♌31	17♊ 8	28♒13	29♍38	23♏ 5	17♉ 1	18♉13	20♊22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	11n31	23n59	4n51	4n58	0s20	21n50	0s56	10n57	2s 5	16n50	1n 5	22n10	0s52	12s38	0s49	2n19	1n54	33s 1	11s30	17n53	17n55	25n31		n.a.
T 2	11 9	20 31	5 0	4 16	0 27	21 46	0 52	11 2	2 4	16 46	1 5	22 10	0 52	12 39	0 49	2 18	1 54	33 1	11 30	17 49	17 55	25 32		n.a.
F 3	10 48	16 0	4 55	3 33	0 34	21 41	0 47	11 7	2 3	16 42	1 5	22 11	0 52	12 40	0 49	2 17	1 54	33 1	11 30	17 46	17 54	25 33		n.a.
S 4	10 26	10 41	4 33	2 51	0 42	21 36	0 42	11 12	2 3	16 38	1 5	22 11	0 52	12 41	0 49	2 16	1 54	33 1	11 30	17 42	17 53	25 35		n.a.
S 5	10 4	4 47	3 57	2 10	0 49	21 30	0 38	11 16	2 2	16 34	1 6	22 11	0 52	12 42	0 49	2 16	1 54	33 2	11 29	17 39	17 52	25 36		n.a.
M 6	9 42	1s26	3 6	1 28	0 56	21 24	0 33	11 21	2 1	16 30	1 6	22 12	0 52	12 43	0 49	2 15	1 54	33 2	11 29	17 37	17 51	25 38		n.a.
T 7	9 20	7 39	2 4	0 47	1 3	21 17	0 29	11 25	2 0	16 27	1 6	22 12	0 52	12 43	0 49	2 14	1 54	33 2	11 29	17 36	17 50	25 39		n.a.
W 8	8 58	13 35	0 55	0 6	1 10	21 10	0 25	11 28	1 59	16 23	1 6	22 12	0 52	12 44	0 49	2 13	1 54	33 2	11 29	17 35	17 49	25 41		n.a.
T 9	8 35	18 53	0s19	0s35	1 17	21 1	0 20	11 32	1 57	16 19	1 6	22 13	0 52	12 45	0 49	2 12	1 54	33 2	11 29	17 35	17 48	25 42		n.a.
F 10	8 13	23 10	1 32	1 15	1 25	20 53	0 16	11 35	1 56	16 15	1 6	22 13	0 52	12 46	0 49	2 11	1 54	33 2	11 29	17 35	17 48	25 43		n.a.
S 11	7 50	26 5	2 40	1 54	1 31	20 43	0 12	11 39	1 55	16 11	1 6	22 13	0 52	12 47	0 49	2 10	1 54	33 2	11 28	17 35	17 47	25 45		n.a.
S 12	7 27	27 21	3 39	2 33	1 38	20 33	0 7	11 42	1 54	16 7	1 6	22 14	0 52	12 48	0 49	2 9	1 54	33 2	11 28	17 35	17 46	25 46		n.a.
M13	7 4	26 48	4 24	3 12	1 45	20 23	0 3	11 44	1 53	16 3	1 6	22 14	0 52	12 48	0 49	2 9	1 54	33 1	11 28	17 33	17 45	25 47		n.a.
T 14	6 41	24 31	4 53	3 50	1 52	20 12	0n 1	11 47	1 51	15 59	1 7	22 14	0 52	12 49	0 49	2 8	1 54	33 1	11 28	17 31	17 44	25 49		n.a.
W15	6 17	20 44	5 3	4 27	1 58	20 0	0 5	11 49	1 50	15 55	1 7	22 14	0 52	12 50	0 49	2 7	1 54	33 1	11 28	17 29	17 43	25 50		n.a.
T 16	5 54	15 51	4 55	5 4	2 4	19 47	0 9	11 51	1 49	15 51	1 7	22 15	0 52	12 51	0 49	2 6	1 54	33 1	11 28	17 26	17 42	25 51		n.a.
F 17	5 30	10 13	4 31	5 40	2 11	19 35	0 13	11 53	1 47	15 47	1 7	22 15	0 52	12 52	0 49	2 5	1 54	33 1	11 27	17 23	17 41	25 53		n.a.
S 18	5 7	4 14	3 51	6 15	2 16	19 21	0 17	11 54	1 46	15 43	1 7	22 15	0 52	12 52	0 49	2 4	1 54	33 1	11 27	17 20	17 40	25 54		n.a.
S 19	4 43	1n48	3 0	6 49	2 22	19 7	0 20	11 55	1 44	15 39	1 7	22 15	0 52	12 53	0 49	2 3	1 54	33 1	11 27	17 18	17 40	25 55		n.a.
M20	4 19	7 38	2 1	7 22	2 27	18 52	0 24	11 56	1 43	15 35	1 7	22 16	0 52	12 54	0 49	2 2	1 54	33 1	11 27	17 16	17 39	25 57		n.a.
T 21	3 56	13 1	0 57	7 53	2 33	18 37	0 28	11 57	1 41	15 32	1 7	22 16	0 52	12 55	0 49	2 1	1 54	33 1	11 27	17 16	17 38	25 58		n.a.
W22	3 32	17 48	0n 8	8 24	2 37	18 21	0 31	11 58	1 39	15 28	1 7	22 16	0 52	12 56	0 49	2 0	1 54	33 1	11 26	17 15	17 37	25 59		n.a.
T 23	3 8	21 47	1 12	8 53	2 42	18 5	0 35	11 58	1 38	15 24	1 8	22 16	0 52	12 56	0 49	2 0	1 54	33 1	11 26	17 16	17 36	26 1		n.a.
F 24	2 44	24 49	2 12	9 21	2 46	17 48	0 38	11 58	1 36	15 20	1 8	22 16	0 52	12 57	0 49	1 59	1 54	33 1	11 26	17 16	17 35	26 2		n.a.
S 25	2 20	26 45	3 6	9 47	2 49	17 31	0 42	11 58	1 34	15 16	1 8	22 16	0 52	12 58	0 49	1 58	1 54	33 1	11 26	17 16	17 34	26 3		n.a.
S 26	1 55	27 30	3 52	10 11	2 52	17 13	0 45	11 57	1 32	15 12	1 8	22 16	0 52	12 58	0 49	1 57	1 54	33 1	11 26	17 16	17 33	26 5		n.a.
M27	1 31	26 57	4 29	10 34	2 54	16 54	0 48	11 57	1 30	15 8	1 8	22 17	0 52	12 59	0 49	1 56	1 54	33 0	11 25	17 15	17 32	26 6		n.a.
T 28	1 7	25 6	4 55	10 54	2 56	16 35	0 52	11 56	1 28	15 5	1 8	22 17	0 52	13 0	0 49	1 55	1 54	33 0	11 25	17 14	17 32	26 7		n.a.
W29	0 43	22 2	5 7	11 12	2 57	16 16	0 55	11 54	1 26	15 1	1 8	22 17	0 52	13 1	0 49	1 54	1 54	33 0	11 25	17 12	17 31	26 8		n.a.
T 30	0n18	17n50	5n 4	11s27	2s57	15n56	0n58	11n53	1s24	14n57	1n 9	22n17	0s52	13s 1	0s49	1n53	1n54	33s 0	11s25	17n 9	17n30	26n10		n.a.

Julian Day Number = 1474026.5, Delta T = 05h28m28s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'41, Lahiri = -13°18'41 Julian Calendar 1 Sept. 678 BCE == Greg. Calendar 25 Aug. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

OCTOBER 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 7 45	0♎14'54	8♍58	22♎37	21♌12	4°R18	23♌43	17♊ 9	28°R12	29♍40	23°R 5	16°R53	18♉10	20♊29	n.a.	F 1
S 2	0 11 41	1°15'16	22°26	23° 5	22°24	4♉ 7	23°54	17°10	28♒10	29°43	23♂ 5	16♉45	18° 7	20°36	n.a.	S 2
S 3	0 15 38	2°15'39	6♎12	23°26	23°36	3°54	24° 6	17°10	28° 8	29°45	23° 4	16°38	18° 3	20°42	n.a.	S 3
M 4	0 19 34	3°16'04	20°11	23°39	24°48	3°40	24°17	17°11	28° 6	29°47	23° 4	16°33	18° 0	20°49	n.a.	M 4
T 5	0 23 31	4°16'30	4♏21	23°R45	26° 0	3°26	24°29	17°11	28° 4	29°49	23° 4	16°30	17°57	20°56	n.a.	T 5
W 6	0 27 27	5°16'59	18°36	23°42	27°12	3°11	24°40	17°11	28° 2	29°52	23° 4	16°D30	17°54	21° 2	n.a.	W 6
T 7	0 31 24	6°17'29	2♐53	23°30	28°24	2°55	24°51	17°R11	28° 0	29°54	23° 3	16°31	17°51	21° 9	n.a.	T 7
F 8	0 35 21	7°18'00	17° 8	23° 8	29°37	2°38	25° 3	17°11	27°59	29°56	23° 3	16°32	17°47	21°16	n.a.	F 8
S 9	0 39 17	8°18'33	1♑20	22°36	0♍49	2°21	25°14	17°11	27°57	29°58	23° 3	16°33	17°44	21°22	n.a.	S 9
S 10	0 43 14	9°19'08	15°26	21°54	2° 2	2° 3	25°25	17°10	27°55	0♎ 1	23° 3	16°R33	17°41	21°29	n.a.	S 10
M11	0 47 10	10°19'43	29°25	21° 2	3°15	1°44	25°36	17°10	27°54	0° 3	23° 3	16°32	17°38	21°36	n.a.	M11
T 12	0 51 7	11°20'20	13♒17	20° 1	4°27	1°25	25°47	17° 9	27°52	0° 5	23° 3	16°28	17°35	21°42	n.a.	T 12
W13	0 55 3	12°20'58	26°59	18°52	5°40	1° 5	25°58	17° 9	27°51	0° 7	23° 3	16°24	17°32	21°49	n.a.	W13
T 14	0 59 0	13°21'38	10♓30	17°37	6°53	0°44	26° 8	17° 8	27°49	0° 9	23° 3	16°18	17°28	21°56	n.a.	T 14
F 15	1 2 56	14°22'19	23°48	16°17	8° 6	0°24	26°19	17° 7	27°48	0°12	23°D 3	16°13	17°25	22° 2	n.a.	F 15
S 16	1 6 53	15°23'01	6♈52	14°56	9°19	0° 2	26°30	17° 6	27°46	0°14	23° 3	16° 8	17°22	22° 9	n.a.	S 16
S 17	1 10 50	16°23'45	19°42	13°35	10°33	29♈41	26°40	17° 5	27°45	0°16	23° 3	16° 4	17°19	22°16	n.a.	S 17
M18	1 14 46	17°24'30	2♉16	12°19	11°46	29°19	26°51	17° 4	27°44	0°18	23° 3	16° 2	17°16	22°22	n.a.	M18
T 19	1 18 43	18°25'17	14°36	11° 8	12°59	28°56	27° 1	17° 2	27°42	0°20	23° 3	16°D 1	17°12	22°29	n.a.	T 19
W20	1 22 39	19°26'06	26°43	10° 6	14°13	28°34	27°11	17° 1	27°41	0°23	23° 3	16° 1	17° 9	22°36	n.a.	W20
T 21	1 26 36	20°26'56	8♊40	9°14	15°26	28°11	27°21	16°59	27°40	0°25	23° 3	16° 3	17° 6	22°42	n.a.	T 21
F 22	1 30 32	21°27'47	20°32	8°32	16°40	27°48	27°31	16°58	27°39	0°27	23° 3	16° 4	17° 3	22°49	n.a.	F 22
S 23	1 34 29	22°28'40	2♋20	8° 2	17°53	27°25	27°41	16°56	27°38	0°29	23° 3	16° 6	17° 0	22°56	n.a.	S 23
S 24	1 38 25	23°29'35	14°12	7°44	19° 7	27° 2	27°51	16°54	27°36	0°31	23° 4	16° 7	16°57	23° 2	n.a.	S 24
M25	1 42 22	24°30'31	26°10	7°D37	20°21	26°38	28° 1	16°52	27°35	0°33	23° 4	16°R 8	16°53	23° 9	n.a.	M25
T 26	1 46 19	25°31'29	8♌21	7°41	21°34	26°15	28°11	16°50	27°34	0°35	23° 4	16° 7	16°50	23°16	n.a.	T 26
W27	1 50 15	26°32'28	20°48	7°56	22°48	25°52	28°20	16°48	27°34	0°37	23° 5	16° 5	16°47	23°23	n.a.	W27
T 28	1 54 12	27°33'28	3♍37	8°19	24° 2	25°29	28°29	16°46	27°33	0°39	23° 5	16° 3	16°44	23°29	n.a.	T 28
F 29	1 58 8	28°34'30	16°48	8°51	25°16	25° 6	28°39	16°43	27°32	0°41	23° 5	16° 1	16°41	23°36	n.a.	F 29
S 30	2 2 5	29°35'33	0♎24	9°31	26°30	24°44	28°48	16°41	27°31	0°43	23° 6	15°58	16°38	23°43	n.a.	S 30
S 31	2 6 1	0♏36'37	14♎24	10♎17	27♍44	24♈22	28♌57	16♊38	27♒30	0♎45	23♂ 6	15♉56	16♉34	23♊49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s 6	12n43	4n45	11s39	2s57	15n35	1n 1	11n51	1s22	14n53	1n 9	22n17	0s52	13s 2	0s49	1n52	1n54	33s 0	11s24	17n 7	17n29	26n11		n.a.
S 2	0 30	6 52	4 10	11 48	2 55	15 14	1 3	11 49	1 20	14 49	1 9	22 17	0 52	13 3	0 49	1 51	1 54	33 0	11 24	17 5	17 28	26 12		n.a.
S 3	0 55	0 34	3 21	11 53	2 52	14 53	1 6	11 47	1 18	14 46	1 9	22 17	0 52	13 3	0 49	1 50	1 54	33 0	11 24	17 3	17 27	26 13		n.a.
M 4	1 19	5s53	2 18	11 55	2 48	14 31	1 9	11 44	1 16	14 42	1 9	22 17	0 52	13 4	0 49	1 50	1 54	32 59	11 24	17 1	17 26	26 15		n.a.
T 5	1 43	12 8	1 5	11 52	2 43	14 9	1 11	11 41	1 13	14 38	1 9	22 17	0 52	13 4	0 49	1 49	1 54	32 59	11 24	17 0	17 25	26 16		n.a.
W 6	2 8	17 47	0s11	11 44	2 36	13 46	1 14	11 38	1 11	14 34	1 10	22 17	0 52	13 5	0 49	1 48	1 54	32 59	11 23	17 0	17 24	26 17		n.a.
T 7	2 32	22 28	1 28	11 32	2 28	13 23	1 16	11 35	1 9	14 31	1 10	22 17	0 52	13 6	0 49	1 47	1 54	32 59	11 23	17 1	17 24	26 18		n.a.
F 8	2 56	25 47	2 39	11 15	2 18	13 0	1 19	11 32	1 6	14 27	1 10	22 17	0 52	13 6	0 49	1 46	1 54	32 59	11 23	17 1	17 23	26 19		n.a.
S 9	3 20	27 26	3 40	10 52	2 6	12 36	1 21	11 28	1 4	14 23	1 10	22 17	0 52	13 7	0 49	1 45	1 54	32 58	11 23	17 1	17 22	26 21		n.a.
S 10	3 45	27 17	4 27	10 23	1 52	12 11	1 23	11 24	1 1	14 20	1 10	22 17	0 52	13 7	0 49	1 44	1 54	32 58	11 22	17 1	17 21	26 22		n.a.
M11	4 9	25 24	4 58	9 49	1 37	11 47	1 25	11 20	0 59	14 16	1 10	22 17	0 52	13 8	0 49	1 43	1 54	32 58	11 22	17 1	17 20	26 23		n.a.
T 12	4 33	22 1	5 11	9 10	1 20	11 22	1 27	11 15	0 56	14 13	1 11	22 17	0 52	13 8	0 49	1 42	1 54	32 58	11 22	17 0	17 19	26 24		n.a.
W13	4 57	17 28	5 6	8 26	1 2	10 56	1 29	11 11	0 53	14 9	1 11	22 17	0 52	13 9	0 49	1 42	1 54	32 58	11 22	16 59	17 18	26 25		n.a.
T 14	5 21	12 7	4 44	7 39	0 42	10 31	1 31	11 6	0 51	14 6	1 11	22 17	0 52	13 9	0 48	1 41	1 54	32 57	11 21	16 57	17 17	26 26		n.a.
F 15	5 45	6 16	4 7	6 50	0 22	10 5	1 33	11 1	0 48	14 2	1 11	22 17	0 52	13 10	0 48	1 40	1 54	32 57	11 21	16 55	17 16	26 28		n.a.
S 16	6 8	0 16	3 18	5 59	0 1	9 38	1 34	10 57	0 45	13 59	1 11	22 17	0 52	13 10	0 48	1 39	1 54	32 57	11 21	16 54	17 15	26 29		n.a.
S 17	6 32	5n40	2 19	5 8	0n19	9 12	1 36	10 51	0 42	13 55	1 12	22 17	0 52	13 11	0 48	1 38	1 54	32 57	11 21	16 53	17 14	26 30		n.a.
M18	6 56	11 16	1 15	4 20	0 39	8 45	1 37	10 46	0 40	13 52	1 12	22 16	0 52	13 11	0 48	1 37	1 54	32 56	11 20	16 52	17 14	26 31		n.a.
T 19	7 19	16 19	0 8	3 34	0 58	8 17	1 39	10 41	0 37	13 48	1 12	22 16	0 52	13 12	0 48	1 36	1 54	32 56	11 20	16 52	17 13	26 32		n.a.
W20	7 43	20 39	0n59	2 54	1 16	7 50	1 40	10 35	0 34	13 45	1 12	22 16	0 52	13 12	0 48	1 36	1 54	32 56	11 20	16 52	17 12	26 33		n.a.
T 21	8 6	24 4	2 2	2 18	1 32	7 22	1 41	10 30	0 31	13 42	1 12	22 16	0 52	13 13	0 48	1 35	1 54	32 56	11 20	16 52	17 11	26 34		n.a.
F 22	8 29	26 24	2 59	1 49	1 46	6 54	1 42	10 24	0 28	13 38	1 13	22 16	0 52	13 13	0 48	1 34	1 54	32 55	11 20	16 53	17 10	26 35		n.a.
S 23	8 52	27 34	3 48	1 26	1 57	6 26	1 43	10 18	0 25	13 35	1 13	22 16	0 52	13 13	0 48	1 33	1 54	32 55	11 19	16 53	17 9	26 36		n.a.
S 24	9 15	27 27	4 28	1 10	2 7	5 58	1 44	10 12	0 23	13 32	1 13	22 16	0 52	13 14	0 48	1 32	1 54	32 55	11 19	16 54	17 8	26 38		n.a.
M25	9 38	26 4	4 57	1 0	2 15	5 29	1 45	10 7	0 20	13 28	1 13	22 15	0 52	13 14	0 48	1 31	1 54	32 54	11 19	16 54	17 7	26 39		n.a.
T 26	10 0	23 27	5 13	0 56	2 22	5 0	1 46	10 1	0 17	13 25	1 13	22 15	0 52	13 14	0 48	1 31	1 55	32 54	11 19	16 54	17 6	26 40		n.a.
W27	10 23	19 43	5 15	0 57	2 26	4 31	1 46	9 55	0 14	13 22	1 14	22 15	0 52	13 14	0 48	1 30	1 55	32 54	11 18	16 53	17 5	26 41		n.a.
T 28	10 45	14 59	5 1	1 4	2 29	4 2	1 47	9 49	0 11	13 19	1 14	22 15	0 52	13 15	0 48	1 29	1 55	32 54	11 18	16 53	17 4	26 42		n.a.
F 29	11 7	9 26	4 31	1 15	2 31	3 33	1 47	9 43	0 8	13 16	1 14	22 15	0 52	13 15	0 48	1 28	1 55	32 53	11 18	16 52	17 3	26 43		n.a.
S 30	11 29	3 17	3 46	1 30	2 31	3 3	1 48	9 38	0 5	13 13	1 14	22 14	0 52	13 15	0 48	1 27	1 55	32 53	11 18	16 51	17 3	26 44		n.a.
S 31	11s51	3s13	2n46	1s49	2n31	2n34	1n48	9n32	0s 3	13n10	1n14	22n14	0s52	13s15	0s48	1n27	1n55	32s53	11s17	16n50	17n 2	26n45		n.a.

Julian Day Number = 1474056.5, Delta T = 05h28m26s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'37, Lahiri = -13°18'37 Julian Calendar 1 Oct. 678 BCE == Greg. Calendar 24 Sept. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

NOVEMBER 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 9 58	1♏37'43	28♎43	11♎ 9	28♍59	24°R 0	29♌ 6	16°R36	27°R30	0♎47	23♑ 7	15°R55	16♉31	23♊56	n.a.	M 1
T 2	2 13 54	2°38'49	13♏18	12° 6	0♎13	23♈38	29°15	16♊33	27♒29	0°49	23° 7	15°D54	16°28	24° 3	n.a.	T 2
W 3	2 17 51	3°39'56	28° 1	13° 8	1°27	23°17	29°24	16°30	27°28	0°51	23° 7	15♉54	16°25	24° 9	n.a.	W 3
T 4	2 21 48	4°41'05	12♐46	14°14	2°41	22°56	29°32	16°27	27°28	0°53	23° 8	15°55	16°22	24°16	n.a.	T 4
F 5	2 25 44	5°42'14	27°26	15°23	3°55	22°36	29°41	16°24	27°27	0°55	23° 9	15°56	16°18	24°23	n.a.	F 5
S 6	2 29 41	6°43'23	11♑56	16°35	5°10	22°17	29°49	16°21	27°27	0°57	23° 9	15°57	16°15	24°29	n.a.	S 6
S 7	2 33 37	7°44'33	26°11	17°50	6°24	21°58	29°58	16°17	27°27	0°59	23°10	15°57	16°12	24°36	n.a.	S 7
M 8	2 37 34	8°45'43	10♒11	19° 7	7°39	21°39	0♍ 6	16°14	27°26	1° 1	23°10	15°R57	16° 9	24°43	n.a.	M 8
T 9	2 41 30	9°46'54	23°53	20°26	8°53	21°22	0°14	16°11	27°26	1° 3	23°11	15°57	16° 6	24°49	n.a.	T 9
W10	2 45 27	10°48'05	7♓18	21°46	10° 7	21° 5	0°22	16° 7	27°26	1° 5	23°12	15°57	16° 3	24°56	n.a.	W10
T 11	2 49 23	11°49'16	20°28	23° 8	11°22	20°48	0°29	16° 4	27°25	1° 7	23°12	15°56	15°59	25° 3	n.a.	T 11
F 12	2 53 20	12°50'28	3♈22	24°32	12°36	20°33	0°37	16° 0	27°25	1° 8	23°13	15°56	15°56	25° 9	n.a.	F 12
S 13	2 57 17	13°51'40	16° 3	25°56	13°51	20°18	0°44	15°56	27°25	1°10	23°14	15°55	15°53	25°16	n.a.	S 13
S 14	3 1 13	14°52'53	28°32	27°21	15° 6	20° 4	0°52	15°52	27°D25	1°12	23°15	15°55	15°50	25°23	n.a.	S 14
M15	3 5 10	15°54'06	10♉50	28°48	16°20	19°50	0°59	15°49	27°25	1°14	23°15	15°55	15°47	25°29	n.a.	M15
T 16	3 9 6	16°55'19	22°59	0♏14	17°35	19°38	1° 6	15°45	27°25	1°15	23°16	15°55	15°44	25°36	n.a.	T 16
W17	3 13 3	17°56'33	4♊59	1°42	18°50	19°26	1°13	15°41	27°25	1°17	23°17	15°55	15°40	25°43	n.a.	W17
T 18	3 16 59	18°57'47	16°53	3°10	20° 4	19°15	1°20	15°36	27°26	1°19	23°18	15°55	15°37	25°49	n.a.	T 18
F 19	3 20 56	19°59'02	28°43	4°39	21°19	19° 5	1°26	15°32	27°26	1°20	23°19	15°54	15°34	25°56	n.a.	F 19
S 20	3 24 53	21° 0'17	10♋32	6° 8	22°34	18°55	1°33	15°28	27°26	1°22	23°20	15°54	15°31	26° 3	n.a.	S 20
S 21	3 28 49	22° 1'33	22°24	7°37	23°48	18°47	1°39	15°24	27°27	1°24	23°21	15°53	15°28	26° 9	n.a.	S 21
M22	3 32 46	23° 2'49	4♌21	9° 7	25° 3	18°39	1°45	15°19	27°27	1°25	23°22	15°52	15°24	26°16	n.a.	M22
T 23	3 36 42	24° 4'06	16°29	10°38	26°18	18°32	1°51	15°15	27°27	1°27	23°23	15°52	15°21	26°23	n.a.	T 23
W24	3 40 39	25° 5'23	28°52	12° 8	27°33	18°26	1°57	15°11	27°28	1°28	23°24	15°D52	15°18	26°29	n.a.	W24
T 25	3 44 35	26° 6'40	11♍34	13°39	28°48	18°21	2° 3	15° 6	27°28	1°30	23°25	15°52	15°15	26°36	n.a.	T 25
F 26	3 48 32	27° 7'58	24°39	15°11	0♏ 3	18°16	2° 8	15° 1	27°29	1°31	23°26	15°53	15°12	26°43	n.a.	F 26
S 27	3 52 28	28° 9'15	8♎11	16°43	1°17	18°12	2°14	14°57	27°30	1°33	23°27	15°54	15° 9	26°49	n.a.	S 27
S 28	3 56 25	29°10'33	22° 9	18°15	2°32	18° 9	2°19	14°52	27°30	1°34	23°28	15°55	15° 5	26°56	n.a.	S 28
M29	4 0 22	0♐11'51	6♏33	19°47	3°47	18° 7	2°24	14°47	27°31	1°35	23°29	15°56	15° 2	27° 3	n.a.	M29
T 30	4 4 18	1♐13'10	21♏20	21♏20	5♏ 2	18♈ 6	2♍29	14♊43	27♒32	1♎37	23♑30	15°R56	14♉59	27♊10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s12	9s43	1n34	2s11	2n29	2n 4	1n48	9n26	0n 0	13n 7	1n15	22n14	0s52	13s16	0s48	1n26	1n55	32s52	11s17	16n50	17n 1	26n46		n.a.
T 2	12 34	15 50	0 14	2 36	2 26	1 34	1 49	9 21	0 3	13 4	1 15	22 14	0 52	13 16	0 48	1 25	1 55	32 52	11 17	16 50	17 0	26 47		n.a.
W 3	12 55	21 5	1s 7	3 4	2 23	1 4	1 49	9 15	0 6	13 1	1 15	22 13	0 52	13 16	0 48	1 24	1 55	32 52	11 17	16 50	16 59	26 48		n.a.
T 4	13 16	25 1	2 24	3 33	2 19	0 34	1 49	9 10	0 8	12 58	1 15	22 13	0 52	13 16	0 48	1 24	1 55	32 51	11 16	16 50	16 58	26 49		n.a.
F 5	13 37	27 16	3 31	4 4	2 15	0 4	1 48	9 5	0 11	12 55	1 16	22 13	0 52	13 16	0 48	1 23	1 55	32 51	11 16	16 50	16 57	26 50		n.a.
S 6	13 57	27 36	4 23	4 37	2 10	0s26	1 48	9 0	0 13	12 53	1 16	22 13	0 52	13 16	0 48	1 22	1 55	32 51	11 16	16 51	16 56	26 51		n.a.
S 7	14 17	26 6	4 59	5 11	2 5	0 56	1 48	8 55	0 16	12 50	1 16	22 12	0 52	13 17	0 48	1 21	1 55	32 50	11 16	16 51	16 55	26 52		n.a.
M 8	14 37	23 0	5 16	5 46	1 59	1 26	1 48	8 51	0 19	12 47	1 16	22 12	0 52	13 17	0 48	1 21	1 55	32 50	11 15	16 51	16 54	26 53		n.a.
T 9	14 57	18 41	5 14	6 21	1 53	1 56	1 47	8 46	0 21	12 44	1 17	22 12	0 52	13 17	0 48	1 20	1 55	32 50	11 15	16 51	16 53	26 54		n.a.
W10	15 17	13 31	4 56	6 57	1 47	2 26	1 47	8 42	0 24	12 42	1 17	22 11	0 52	13 17	0 48	1 19	1 55	32 49	11 15	16 51	16 52	26 55		n.a.
T 11	15 36	7 50	4 22	7 34	1 40	2 56	1 46	8 38	0 26	12 39	1 17	22 11	0 51	13 17	0 47	1 18	1 55	32 49	11 15	16 51	16 51	26 56		n.a.
F 12	15 55	1 55	3 35	8 11	1 33	3 26	1 45	8 34	0 28	12 37	1 17	22 11	0 51	13 17	0 47	1 18	1 55	32 49	11 15	16 50	16 51	26 57		n.a.
S 13	16 13	3n58	2 38	8 49	1 27	3 56	1 45	8 31	0 31	12 34	1 18	22 10	0 51	13 17	0 47	1 17	1 55	32 48	11 14	16 50	16 50	26 58		n.a.
S 14	16 32	9 38	1 35	9 27	1 20	4 26	1 44	8 27	0 33	12 32	1 18	22 10	0 51	13 17	0 47	1 16	1 55	32 48	11 14	16 50	16 49	26 59		n.a.
M15	16 50	14 50	0 28	10 4	1 13	4 56	1 43	8 24	0 35	12 30	1 18	22 10	0 51	13 17	0 47	1 16	1 55	32 48	11 14	16 50	16 48	26 59		n.a.
T 16	17 8	19 25	0n39	10 42	1 5	5 26	1 42	8 22	0 37	12 27	1 18	22 9	0 51	13 17	0 47	1 15	1 55	32 47	11 14	16 50	16 47	27 0		n.a.
W17	17 25	23 8	1 44	11 19	0 58	5 55	1 41	8 19	0 40	12 25	1 19	22 9	0 51	13 17	0 47	1 15	1 55	32 47	11 14	16 50	16 46	27 1		n.a.
T 18	17 42	25 50	2 44	11 57	0 51	6 25	1 40	8 17	0 42	12 23	1 19	22 9	0 51	13 16	0 47	1 14	1 55	32 46	11 13	16 50	16 45	27 2		n.a.
F 19	17 59	27 22	3 36	12 34	0 44	6 54	1 39	8 15	0 44	12 21	1 19	22 8	0 51	13 16	0 47	1 13	1 55	32 46	11 13	16 50	16 44	27 3		n.a.
S 20	18 16	27 39	4 19	13 11	0 37	7 24	1 37	8 13	0 46	12 19	1 19	22 8	0 51	13 16	0 47	1 13	1 56	32 46	11 13	16 50	16 43	27 4		n.a.
S 21	18 32	26 40	4 51	13 47	0 29	7 53	1 36	8 11	0 48	12 17	1 20	22 7	0 51	13 16	0 47	1 12	1 56	32 45	11 13	16 50	16 42	27 5		n.a.
M22	18 48	24 28	5 11	14 23	0 22	8 22	1 35	8 10	0 49	12 15	1 20	22 7	0 51	13 16	0 47	1 11	1 56	32 45	11 12	16 49	16 41	27 6		n.a.
T 23	19 3	21 9	5 17	14 59	0 15	8 51	1 33	8 9	0 51	12 13	1 20	22 6	0 51	13 16	0 47	1 11	1 56	32 45	11 12	16 49	16 40	27 7		n.a.
W24	19 18	16 51	5 9	15 34	0 8	9 19	1 32	8 8	0 53	12 11	1 21	22 6	0 51	13 15	0 47	1 10	1 56	32 44	11 12	16 49	16 39	27 7		n.a.
T 25	19 33	11 43	4 46	16 9	0 1	9 48	1 30	8 8	0 55	12 9	1 21	22 6	0 51	13 15	0 47	1 10	1 56	32 44	11 12	16 49	16 38	27 8		n.a.
F 26	19 48	5 56	4 8	16 43	0s 6	10 16	1 29	8 8	0 56	12 7	1 21	22 5	0 51	13 15	0 47	1 9	1 56	32 43	11 12	16 50	16 37	27 9		n.a.
S 27	20 2	0s19	3 14	17 16	0 12	10 44	1 27	8 8	0 58	12 5	1 21	22 5	0 50	13 15	0 47	1 9	1 56	32 43	11 12	16 50	16 36	27 10		n.a.
S 28	20 15	6 46	2 8	17 49	0 19	11 12	1 25	8 8	1 0	12 4	1 22	22 4	0 50	13 14	0 47	1 8	1 56	32 43	11 11	16 50	16 36	27 11		n.a.
M29	20 29	13 5	0 52	18 21	0 26	11 39	1 24	8 9	1 1	12 2	1 22	22 4	0 50	13 14	0 47	1 8	1 56	32 42	11 11	16 50	16 35	27 12		n.a.
T 30	20s42	18s50	0s30	18s52	0s32	12s 6	1n22	8n10	1n 3	12n 1	1n22	22n 3	0s50	13s14	0s47	1n 7	1n56	32s42	11s11	16n50	16n34	27n12		n.a.

Julian Day Number = 1474087.5, Delta T = 05h28m24s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'33, Lahiri = -13°18'32 Julian Calendar 1 Nov. 678 BCE == Greg. Calendar 25 Oct. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 678 BCE
geocentric

DECEMBER 678 BCE (-677) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 8 15	2♐14'28	6♐22	22♏53	6♏17	18°D 6	2♍34	14°R38	27♒33	1♎38	23♑31	15°R55	14♉56	27♊16	n.a.	W 1
T 2	4 12 11	3°15'46	21°30	24°26	7°32	18♈ 6	2°38	14♊33	27°34	1°39	23°32	15♉54	14°53	27°23	n.a.	T 2
F 3	4 16 8	4°17'03	6♑36	26° 0	8°47	18° 7	2°43	14°28	27°35	1°41	23°34	15°51	14°50	27°30	n.a.	F 3
S 4	4 20 4	5°18'21	21°30	27°34	10° 2	18° 9	2°47	14°24	27°36	1°42	23°35	15°49	14°46	27°36	n.a.	S 4
S 5	4 24 1	6°19'37	6♒ 5	29° 9	11°17	18°12	2°51	14°19	27°37	1°43	23°36	15°46	14°43	27°43	n.a.	S 5
M 6	4 27 58	7°20'53	20°17	0♐44	12°32	18°15	2°55	14°14	27°38	1°44	23°37	15°44	14°40	27°50	n.a.	M 6
T 7	4 31 54	8°22'08	4♓ 3	2°19	13°47	18°19	2°59	14° 9	27°39	1°46	23°38	15°D43	14°37	27°56	n.a.	T 7
W 8	4 35 51	9°23'23	17°25	3°55	15° 2	18°24	3° 2	14° 4	27°40	1°47	23°40	15°44	14°34	28° 3	n.a.	W 8
T 9	4 39 47	10°24'36	0♈25	5°31	16°17	18°29	3° 6	13°59	27°41	1°48	23°41	15°45	14°30	28°10	n.a.	T 9
F 10	4 43 44	11°25'49	13° 6	7° 8	17°31	18°36	3° 9	13°54	27°43	1°49	23°42	15°46	14°27	28°16	n.a.	F 10
S 11	4 47 40	12°27'01	25°31	8°45	18°46	18°43	3°12	13°49	27°44	1°50	23°44	15°48	14°24	28°23	n.a.	S 11
S 12	4 51 37	13°28'12	7♉44	10°23	20° 1	18°50	3°15	13°44	27°45	1°51	23°45	15°49	14°21	28°30	n.a.	S 12
M13	4 55 33	14°29'22	19°48	12° 1	21°16	18°58	3°17	13°39	27°47	1°52	23°46	15°R50	14°18	28°36	n.a.	M13
T 14	4 59 30	15°30'32	1♊45	13°39	22°31	19° 7	3°20	13°34	27°48	1°53	23°48	15°48	14°15	28°43	n.a.	T 14
W15	5 3 27	16°31'41	13°38	15°18	23°46	19°17	3°22	13°29	27°50	1°54	23°49	15°45	14°11	28°50	n.a.	W15
T 16	5 7 23	17°32'49	25°29	16°58	25° 1	19°27	3°24	13°24	27°51	1°55	23°51	15°41	14° 8	28°56	n.a.	T 16
F 17	5 11 20	18°33'57	7♋20	18°38	26°16	19°37	3°26	13°19	27°53	1°55	23°52	15°35	14° 5	29° 3	n.a.	F 17
S 18	5 15 16	19°35'03	19°11	20°19	27°31	19°49	3°28	13°14	27°55	1°56	23°53	15°29	14° 2	29°10	n.a.	S 18
S 19	5 19 13	20°36'09	1♌ 6	22° 1	28°46	20° 0	3°29	13°10	27°56	1°57	23°55	15°22	13°59	29°17	n.a.	S 19
M20	5 23 9	21°37'14	13° 6	23°43	0♐ 1	20°13	3°30	13° 5	27°58	1°58	23°56	15°16	13°56	29°23	n.a.	M20
T 21	5 27 6	22°38'19	25°15	25°25	1°16	20°26	3°32	13° 0	28° 0	1°58	23°58	15°11	13°52	29°30	n.a.	T 21
W22	5 31 2	23°39'22	7♍37	27° 8	2°31	20°39	3°32	12°55	28° 2	1°59	23°59	15° 8	13°49	29°37	n.a.	W22
T 23	5 34 59	24°40'25	20°14	28°52	3°46	20°53	3°33	12°50	28° 4	2° 0	24° 1	15°D 6	13°46	29°43	n.a.	T 23
F 24	5 38 56	25°41'27	3♎10	0♑36	5° 1	21° 8	3°34	12°45	28° 6	2° 0	24° 2	15° 6	13°43	29°50	n.a.	F 24
S 25	5 42 52	26°42'29	16°31	2°20	6°16	21°23	3°34	12°41	28° 8	2° 1	24° 4	15° 8	13°40	29°57	n.a.	S 25
S 26	5 46 49	27°43'29	0♏18	4° 6	7°31	21°38	3°R34	12°36	28°10	2° 1	24° 5	15° 9	13°36	0♋ 3	n.a.	S 26
M27	5 50 45	28°44'29	14°32	5°51	8°46	21°54	3°34	12°31	28°12	2° 2	24° 7	15°R10	13°33	0°10	n.a.	M27
T 28	5 54 42	29°45'28	29°12	7°37	10° 0	22°10	3°34	12°27	28°14	2° 2	24° 9	15° 9	13°30	0°17	n.a.	T 28
W29	5 58 38	0♑46'25	14♐14	9°23	11°15	22°27	3°34	12°22	28°16	2° 3	24°10	15° 6	13°27	0°23	n.a.	W29
T 30	6 2 35	1°47'22	29°29	11° 9	12°30	22°45	3°33	12°17	28°18	2° 3	24°12	15° 1	13°24	0°30	n.a.	T 30
F 31	6 6 32	2♑48'17	14♑48	12♑55	13♐45	23♈ 2	3♍32	12♊13	28♒20	2♎ 4	24♑13	14♉54	13♉21	0♋37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	20s54	23s30	1s51	19s22	0s39	12s33	1n20	8n11	1n 4	11n59	1n23	22n 3	0s50	13s13	0s47	1n 7	1n56	32s42	11s11	16n50	16n33	27n13			n.a.
T 2	21 6	26 34	3 4	19 52	0 45	13 0	1 18	8 12	1 5	11 58	1 23	22 2	0 50	13 13	0 47	1 6	1 56	32 41	11 11	16 50	16 32	27 14			n.a.
F 3	21 18	27 41	4 5	20 21	0 51	13 26	1 16	8 14	1 7	11 57	1 23	22 2	0 50	13 13	0 47	1 6	1 56	32 41	11 10	16 49	16 31	27 15			n.a.
S 4	21 29	26 46	4 48	20 49	0 57	13 52	1 14	8 16	1 8	11 55	1 23	22 1	0 50	13 12	0 47	1 5	1 56	32 40	11 10	16 48	16 30	27 16			n.a.
S 5	21 40	24 2	5 11	21 16	1 2	14 17	1 12	8 18	1 9	11 54	1 24	22 1	0 50	13 12	0 46	1 5	1 56	32 40	11 10	16 48	16 29	27 16			n.a.
M 6	21 51	19 53	5 14	21 42	1 8	14 43	1 10	8 20	1 11	11 53	1 24	22 1	0 50	13 12	0 46	1 5	1 56	32 40	11 10	16 47	16 28	27 17			n.a.
T 7	22 1	14 48	4 59	22 7	1 13	15 7	1 8	8 23	1 12	11 52	1 24	22 0	0 50	13 11	0 46	1 4	1 57	32 39	11 10	16 47	16 27	27 18			n.a.
W 8	22 10	9 9	4 29	22 31	1 18	15 32	1 5	8 26	1 13	11 51	1 25	22 0	0 50	13 11	0 46	1 4	1 57	32 39	11 10	16 47	16 26	27 19			n.a.
T 9	22 20	3 15	3 45	22 53	1 23	15 56	1 3	8 29	1 14	11 50	1 25	21 59	0 49	13 10	0 46	1 3	1 57	32 38	11 10	16 47	16 25	27 19			n.a.
F 10	22 28	2n38	2 50	23 15	1 28	16 20	1 1	8 33	1 15	11 49	1 25	21 59	0 49	13 10	0 46	1 3	1 57	32 38	11 9	16 48	16 24	27 20			n.a.
S 11	22 37	8 18	1 49	23 35	1 32	16 43	0 59	8 36	1 16	11 48	1 26	21 58	0 49	13 9	0 46	1 3	1 57	32 38	11 9	16 48	16 23	27 21			n.a.
S 12	22 44	13 35	0 44	23 55	1 36	17 6	0 56	8 40	1 17	11 47	1 26	21 58	0 49	13 9	0 46	1 2	1 57	32 37	11 9	16 49	16 22	27 21			n.a.
M13	22 52	18 17	0n22	24 12	1 40	17 28	0 54	8 44	1 18	11 47	1 26	21 57	0 49	13 8	0 46	1 2	1 57	32 37	11 9	16 49	16 21	27 22			n.a.
T 14	22 59	22 13	1 26	24 29	1 44	17 50	0 52	8 48	1 19	11 46	1 27	21 57	0 49	13 8	0 46	1 2	1 57	32 36	11 9	16 48	16 20	27 23			n.a.
W15	23 5	25 11	2 26	24 44	1 47	18 11	0 49	8 53	1 20	11 46	1 27	21 56	0 49	13 7	0 46	1 1	1 57	32 36	11 9	16 47	16 19	27 24			n.a.
T 16	23 11	27 2	3 20	24 58	1 50	18 32	0 47	8 58	1 21	11 45	1 27	21 56	0 49	13 6	0 46	1 1	1 57	32 36	11 9	16 46	16 18	27 24			n.a.
F 17	23 17	27 39	4 5	25 10	1 53	18 52	0 44	9 2	1 22	11 45	1 27	21 55	0 49	13 6	0 46	1 1	1 57	32 35	11 8	16 44	16 17	27 25			n.a.
S 18	23 22	26 59	4 39	25 20	1 56	19 12	0 42	9 8	1 23	11 44	1 28	21 55	0 48	13 5	0 46	1 0	1 57	32 35	11 8	16 42	16 16	27 26			n.a.
S 19	23 26	25 5	5 1	25 29	1 58	19 32	0 39	9 13	1 23	11 44	1 28	21 54	0 48	13 5	0 46	1 0	1 57	32 35	11 8	16 40	16 16	27 26			n.a.
M20	23 31	22 4	5 10	25 37	1 59	19 50	0 37	9 18	1 24	11 44	1 28	21 54	0 48	13 4	0 46	1 0	1 57	32 34	11 8	16 39	16 15	27 27			n.a.
T 21	23 34	18 4	5 6	25 42	2 1	20 9	0 34	9 24	1 25	11 44	1 29	21 53	0 48	13 3	0 46	1 0	1 57	32 34	11 8	16 37	16 14	27 28			n.a.
W22	23 37	13 16	4 47	25 46	2 1	20 26	0 32	9 30	1 26	11 44	1 29	21 53	0 48	13 3	0 46	1 0	1 58	32 33	11 8	16 36	16 13	27 28			n.a.
T 23	23 40	7 49	4 14	25 48	2 2	20 43	0 29	9 36	1 26	11 44	1 29	21 52	0 48	13 2	0 46	0 59	1 58	32 33	11 8	16 36	16 12	27 29			n.a.
F 24	23 42	1 54	3 28	25 48	2 2	21 0	0 27	9 42	1 27	11 44	1 30	21 52	0 48	13 1	0 46	0 59	1 58	32 33	11 8	16 36	16 11	27 30			n.a.
S 25	23 44	4s17	2 29	25 47	2 1	21 16	0 24	9 48	1 28	11 44	1 30	21 51	0 48	13 0	0 46	0 59	1 58	32 32	11 8	16 36	16 10	27 30			n.a.
S 26	23 46	10 30	1 20	25 43	2 0	21 31	0 22	9 55	1 28	11 44	1 30	21 51	0 47	13 0	0 46	0 59	1 58	32 32	11 8	16 37	16 9	27 31			n.a.
M27	23 46	16 22	0 3	25 37	1 59	21 46	0 19	10 1	1 29	11 44	1 31	21 50	0 47	12 59	0 46	0 59	1 58	32 31	11 7	16 37	16 8	27 31			n.a.
T 28	23 47	21 29	1s15	25 30	1 57	22 0	0 16	10 8	1 29	11 45	1 31	21 50	0 47	12 58	0 46	0 59	1 58	32 31	11 7	16 37	16 7	27 32			n.a.
W29	23 47	25 19	2 31	25 20	1 54	22 13	0 14	10 15	1 30	11 45	1 31	21 49	0 47	12 57	0 46	0 58	1 58	32 31	11 7	16 36	16 6	27 33			n.a.
T 30	23 46	27 23	3 36	25 8	1 51	22 26	0 11	10 22	1 30	11 46	1 31	21 49	0 47	12 57	0 46	0 58	1 58	32 30	11 7	16 34	16 5	27 33			n.a.
F 31	23s45	27s21	4s26	24s55	1s47	22s38	0n 9	10n29	1n31	11n46	1n32	21n48	0s47	12s56	0s46	0n58	1n58	32s30	11s 7	16n32	16n 4	27n34			n.a.

Julian Day Number = 1474117.5, Delta T = 05h28m23s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'29, Lahiri = -13°18'28 Julian Calendar 1 Dec. 678 BCE == Greg. Calendar 24 Nov. 678 BCE

The year -677 astronomical counting style corresponds to year 678 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

JANUARY 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 10 28	3♑49'11	29♑59	14♑41	15♐ 0	23♈21	3°R31	12°R 9	28♒23	2♎ 4	24♑15	14°R46	13♉17	0♋43	n.a.	S 1
S 2	6 14 25	4°50'04	14♒52	16°27	16°15	23°39	3♍30	12♊ 4	28°25	2° 4	24°17	14♉38	13°14	0°50	n.a.	S 2
M 3	6 18 21	5°50'55	29°19	18°12	17°30	23°58	3°29	12° 0	28°27	2° 5	24°18	14°32	13°11	0°57	n.a.	M 3
T 4	6 22 18	6°51'44	13♓18	19°56	18°45	24°18	3°27	11°56	28°30	2° 5	24°20	14°27	13° 8	1° 4	n.a.	T 4
W 5	6 26 14	7°52'31	26°47	21°39	20° 0	24°38	3°26	11°51	28°32	2° 5	24°21	14°24	13° 5	1°10	n.a.	W 5
T 6	6 30 11	8°53'16	9♈48	23°21	21°15	24°58	3°24	11°47	28°35	2° 5	24°23	14°D24	13° 2	1°17	n.a.	T 6
F 7	6 34 7	9°54'00	22°26	25° 0	22°29	25°18	3°22	11°43	28°37	2° 5	24°25	14°24	12°58	1°24	n.a.	F 7
S 8	6 38 4	10°54'42	4♉46	26°38	23°44	25°39	3°19	11°39	28°40	2° 5	24°26	14°25	12°55	1°30	n.a.	S 8
S 9	6 42 1	11°55'22	16°51	28°12	24°59	26° 1	3°17	11°35	28°42	2° 6	24°28	14°R26	12°52	1°37	n.a.	S 9
M10	6 45 57	12°56'01	28°47	29°44	26°14	26°22	3°14	11°31	28°45	2°R 6	24°30	14°25	12°49	1°44	n.a.	M10
T 11	6 49 54	13°56'37	10♊38	1♒11	27°29	26°44	3°11	11°28	28°47	2° 6	24°31	14°21	12°46	1°50	n.a.	T 11
W12	6 53 50	14°57'12	22°27	2°33	28°44	27° 6	3° 8	11°24	28°50	2° 5	24°33	14°15	12°42	1°57	n.a.	W12
T 13	6 57 47	15°57'45	4♋17	3°50	29°58	27°29	3° 5	11°20	28°53	2° 5	24°35	14° 6	12°39	2° 4	n.a.	T 13
F 14	7 1 43	16°58'17	16° 9	5° 2	1♑13	27°52	3° 2	11°17	28°55	2° 5	24°36	13°55	12°36	2°10	n.a.	F 14
S 15	7 5 40	17°58'47	28° 6	6° 6	2°28	28°15	2°58	11°13	28°58	2° 5	24°38	13°42	12°33	2°17	n.a.	S 15
S 16	7 9 36	18°59'14	10♌ 8	7° 3	3°43	28°38	2°54	11°10	29° 1	2° 5	24°40	13°29	12°30	2°24	n.a.	S 16
M17	7 13 33	19°59'41	22°17	7°52	4°57	29° 2	2°50	11° 6	29° 4	2° 5	24°41	13°17	12°27	2°31	n.a.	M17
T 18	7 17 30	21° 0'05	4♍34	8°32	6°12	29°26	2°46	11° 3	29° 7	2° 5	24°43	13° 7	12°23	2°37	n.a.	T 18
W19	7 21 26	22° 0'28	17° 2	9° 4	7°27	29°51	2°42	11° 0	29°10	2° 4	24°45	12°59	12°20	2°44	n.a.	W19
T 20	7 25 23	23° 0'50	29°41	9°25	8°42	0♉15	2°38	10°57	29°12	2° 4	24°47	12°54	12°17	2°51	n.a.	T 20
F 21	7 29 19	24° 1'09	12♎37	9°37	9°56	0°40	2°33	10°54	29°15	2° 4	24°48	12°52	12°14	2°57	n.a.	F 21
S 22	7 33 16	25° 1'27	25°51	9°R39	11°11	1° 5	2°28	10°51	29°18	2° 3	24°50	12°D52	12°11	3° 4	n.a.	S 22
S 23	7 37 12	26° 1'44	9♏27	9°31	12°26	1°30	2°24	10°49	29°21	2° 3	24°52	12°R52	12° 8	3°11	n.a.	S 23
M24	7 41 9	27° 1'59	23°26	9°14	13°40	1°56	2°19	10°46	29°24	2° 2	24°53	12°51	12° 4	3°17	n.a.	M24
T 25	7 45 5	28° 2'13	7♐50	8°47	14°55	2°22	2°13	10°43	29°27	2° 2	24°55	12°49	12° 1	3°24	n.a.	T 25
W26	7 49 2	29° 2'24	22°36	8°12	16°10	2°48	2° 8	10°41	29°30	2° 2	24°57	12°45	11°58	3°31	n.a.	W26
T 27	7 52 59	0♒ 2'35	7♑39	7°30	17°25	3°14	2° 2	10°38	29°33	2° 1	24°58	12°37	11°55	3°37	n.a.	T 27
F 28	7 56 55	1° 2'43	22°51	6°41	18°39	3°40	1°57	10°36	29°36	2° 0	25° 0	12°27	11°52	3°44	n.a.	F 28
S 29	8 0 52	2° 2'49	8♒ 0	5°46	19°54	4° 7	1°51	10°34	29°40	2° 0	25° 2	12°16	11°48	3°51	n.a.	S 29
S 30	8 4 48	3° 2'53	22°56	4°48	21° 8	4°34	1°45	10°32	29°43	1°59	25° 3	12° 5	11°45	3°58	n.a.	S 30
M31	8 8 45	4♒ 2'55	7♓31	3♒48	22♑23	5♉ 1	1♍39	10♊30	29♒46	1♎59	25♑ 5	11♉54	11♉42	4♋ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s43	25s16	4s57	24s39	1s42	22s49	0n 6	10n36	1n31	11n47	1n32	21n48	0s47	12s55	0s46	0n58	1n58	32s30	11s 7	16n30	16n 3	27n34		n.a.
S 2	23 41	21 29	5 7	24 21	1 37	23 0	0 4	10 44	1 32	11 48	1 32	21 47	0 46	12 54	0 45	0 58	1 58	32 29	11 7	16 27	16 2	27 35		n.a.
M 3	23 39	16 30	4 57	24 1	1 31	23 10	0 1	10 51	1 32	11 49	1 33	21 47	0 46	12 53	0 45	0 58	1 58	32 29	11 7	16 26	16 1	27 35		n.a.
T 4	23 36	10 47	4 29	23 39	1 24	23 19	0s 2	10 59	1 33	11 49	1 33	21 47	0 46	12 52	0 45	0 58	1 58	32 29	11 7	16 24	16 0	27 36		n.a.
W 5	23 32	4 46	3 47	23 16	1 16	23 28	0 4	11 7	1 33	11 50	1 33	21 46	0 46	12 51	0 45	0 58	1 58	32 28	11 7	16 23	15 59	27 36		n.a.
T 6	23 29	1n16	2 55	22 51	1 8	23 36	0 7	11 15	1 33	11 51	1 34	21 46	0 46	12 51	0 45	0 58	1 59	32 28	11 7	16 23	15 58	27 37		n.a.
F 7	23 24	7 4	1 55	22 24	0 59	23 43	0 9	11 23	1 34	11 52	1 34	21 45	0 46	12 50	0 45	0 58	1 59	32 28	11 7	16 23	15 57	27 37		n.a.
S 8	23 19	12 29	0 52	21 55	0 49	23 49	0 12	11 31	1 34	11 53	1 34	21 45	0 46	12 49	0 45	0 58	1 59	32 27	11 7	16 24	15 56	27 38		n.a.
S 9	23 14	17 19	0n13	21 26	0 38	23 55	0 14	11 39	1 35	11 55	1 35	21 45	0 45	12 48	0 45	0 58	1 59	32 27	11 7	16 24	15 55	27 38		n.a.
M10	23 8	21 25	1 16	20 55	0 26	24 0	0 17	11 47	1 35	11 56	1 35	21 44	0 45	12 47	0 45	0 58	1 59	32 27	11 7	16 23	15 54	27 39		n.a.
T 11	23 2	24 35	2 15	20 24	0 14	24 4	0 19	11 56	1 35	11 57	1 35	21 44	0 45	12 46	0 45	0 58	1 59	32 26	11 7	16 22	15 53	27 39		n.a.
W12	22 56	26 42	3 8	19 52	0 0	24 8	0 21	12 4	1 35	11 59	1 35	21 43	0 45	12 45	0 45	0 58	1 59	32 26	11 7	16 20	15 52	27 40		n.a.
T 13	22 49	27 36	3 53	19 21	0n14	24 10	0 24	12 13	1 36	12 0	1 36	21 43	0 45	12 44	0 45	0 58	1 59	32 26	11 7	16 18	15 51	27 40		n.a.
F 14	22 41	27 13	4 28	18 49	0 28	24 12	0 26	12 21	1 36	12 2	1 36	21 43	0 45	12 43	0 45	0 58	1 59	32 25	11 7	16 14	15 50	27 41		n.a.
S 15	22 33	25 35	4 51	18 19	0 44	24 14	0 28	12 30	1 36	12 3	1 36	21 42	0 44	12 42	0 45	0 59	1 59	32 25	11 7	16 11	15 49	27 41		n.a.
S 16	22 25	22 47	5 2	17 49	0 59	24 14	0 31	12 39	1 37	12 5	1 37	21 42	0 44	12 41	0 45	0 59	1 59	32 25	11 7	16 7	15 48	27 42		n.a.
M17	22 16	18 58	4 58	17 21	1 15	24 14	0 33	12 47	1 37	12 6	1 37	21 42	0 44	12 40	0 45	0 59	1 59	32 24	11 7	16 3	15 47	27 42		n.a.
T 18	22 7	14 19	4 42	16 55	1 32	24 13	0 35	12 56	1 37	12 8	1 37	21 42	0 44	12 39	0 45	0 59	1 59	32 24	11 7	16 0	15 46	27 43		n.a.
W19	21 57	9 2	4 11	16 31	1 48	24 11	0 37	13 5	1 37	12 10	1 37	21 41	0 44	12 38	0 45	0 59	1 59	32 24	11 7	15 57	15 45	27 43		n.a.
T 20	21 47	3 18	3 28	16 9	2 4	24 9	0 40	13 14	1 37	12 12	1 38	21 41	0 44	12 37	0 45	0 59	2 0	32 23	11 7	15 56	15 44	27 43		n.a.
F 21	21 37	2s42	2 33	15 51	2 20	24 6	0 42	13 23	1 38	12 14	1 38	21 41	0 43	12 36	0 45	1 0	2 0	32 23	11 7	15 55	15 43	27 44		n.a.
S 22	21 26	8 45	1 29	15 35	2 35	24 2	0 44	13 32	1 38	12 16	1 38	21 40	0 43	12 35	0 45	1 0	2 0	32 23	11 7	15 55	15 42	27 44		n.a.
S 23	21 15	14 33	0 18	15 23	2 50	23 57	0 46	13 41	1 38	12 18	1 38	21 40	0 43	12 34	0 45	1 0	2 0	32 22	11 7	15 55	15 41	27 45		n.a.
M24	21 3	19 48	0s56	15 15	3 4	23 51	0 48	13 51	1 38	12 20	1 39	21 40	0 43	12 33	0 45	1 0	2 0	32 22	11 7	15 55	15 40	27 45		n.a.
T 25	20 51	24 2	2 8	15 10	3 16	23 45	0 50	14 0	1 38	12 22	1 39	21 40	0 43	12 31	0 45	1 1	2 0	32 22	11 7	15 54	15 39	27 45		n.a.
W26	20 38	26 48	3 14	15 9	3 27	23 38	0 52	14 9	1 38	12 24	1 39	21 40	0 43	12 30	0 45	1 1	2 0	32 22	11 7	15 53	15 38	27 46		n.a.
T 27	20 26	27 40	4 7	15 11	3 36	23 31	0 54	14 18	1 39	12 26	1 39	21 39	0 42	12 29	0 45	1 1	2 0	32 21	11 7	15 51	15 38	27 46		n.a.
F 28	20 13	26 28	4 43	15 16	3 43	23 22	0 55	14 28	1 39	12 29	1 40	21 39	0 42	12 28	0 45	1 1	2 0	32 21	11 7	15 48	15 37	27 47		n.a.
S 29	19 59	23 20	5 0	15 24	3 48	23 13	0 57	14 37	1 39	12 31	1 40	21 39	0 42	12 27	0 45	1 2	2 0	32 21	11 8	15 44	15 36	27 47		n.a.
S 30	19 45	18 42	4 55	15 35	3 52	23 4	0 59	14 46	1 39	12 33	1 40	21 39	0 42	12 26	0 45	1 2	2 0	32 21	11 8	15 41	15 35	27 47		n.a.
M31	19s31	13s 3	4s31	15s48	3n53	22s53	1s 1	14n56	1n39	12n36	1n40	21n39	0s42	12s25	0s45	1n 2	2n 0	32s20	11s 8	15n37	15n34	27n48		n.a.

Julian Day Number = 1474148.5, Delta T = 05h28m21s
Ecliptic obliquity = 23°46'42, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'24, Lahiri = -13°18'24 Julian Calendar 1 Jan. 677 BCE == Greg. Calendar 25 Dec. 678 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

FEBRUARY 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 12 41	5♒ 2'55	21♓38	2°R47	23♑38	5♉29	1°R33	10°R28	29♒49	1°R58	25♑ 7	11°R46	11♉39	4♋11	n.a.	T 1
W 2	8 16 38	6° 2'52	5♈15	1♒46	24°52	5°56	1♍27	10♊26	29°52	1♎57	25° 8	11♉41	11°36	4°18	n.a.	W 2
T 3	8 20 34	7° 2'47	18°24	0°47	26° 7	6°24	1°20	10°25	29°55	1°56	25°10	11°38	11°33	4°24	n.a.	T 3
F 4	8 24 31	8° 2'40	1♉ 6	29♑51	27°22	6°52	1°14	10°23	29°59	1°56	25°12	11°37	11°29	4°31	n.a.	F 4
S 5	8 28 28	9° 2'31	13°27	28°59	28°36	7°20	1° 7	10°22	0♓ 2	1°55	25°13	11°37	11°26	4°38	n.a.	S 5
S 6	8 32 24	10° 2'19	25°33	28°12	29°51	7°48	1° 0	10°21	0° 5	1°54	25°15	11°37	11°23	4°44	n.a.	S 6
M 7	8 36 21	11° 2'05	7♊28	27°30	1♒ 5	8°16	0°54	10°19	0° 8	1°53	25°17	11°35	11°20	4°51	n.a.	M 7
T 8	8 40 17	12° 1'48	19°17	26°54	2°20	8°45	0°47	10°18	0°12	1°52	25°18	11°31	11°17	4°58	n.a.	T 8
W 9	8 44 14	13° 1'29	1♋ 6	26°24	3°34	9°14	0°40	10°17	0°15	1°51	25°20	11°24	11°14	5° 5	n.a.	W 9
T 10	8 48 10	14° 1'08	12°57	26° 1	4°49	9°43	0°33	10°16	0°18	1°50	25°22	11°14	11°10	5°11	n.a.	T 10
F 11	8 52 7	15° 0'45	24°53	25°44	6° 3	10°12	0°26	10°16	0°22	1°49	25°23	11° 1	11° 7	5°18	n.a.	F 11
S 12	8 56 3	16° 0'19	6♌57	25°34	7°18	10°41	0°18	10°15	0°25	1°48	25°25	10°48	11° 4	5°25	n.a.	S 12
S 13	9 0 0	16°59'51	19°10	25°D29	8°32	11°10	0°11	10°14	0°28	1°47	25°26	10°33	11° 1	5°31	n.a.	S 13
M14	9 3 57	17°59'21	1♍32	25°31	9°47	11°40	0° 4	10°14	0°32	1°46	25°28	10°20	10°58	5°38	n.a.	M14
T 15	9 7 53	18°58'49	14° 3	25°38	11° 1	12°10	29♌56	10°14	0°35	1°45	25°30	10° 8	10°54	5°45	n.a.	T 15
W16	9 11 50	19°58'14	26°45	25°51	12°15	12°39	29°49	10°13	0°38	1°44	25°31	9°59	10°51	5°51	n.a.	W16
T 17	9 15 46	20°57'38	9♎38	26° 9	13°30	13° 9	29°41	10°D13	0°42	1°43	25°33	9°54	10°48	5°58	n.a.	T 17
F 18	9 19 43	21°57'00	22°43	26°33	14°44	13°39	29°34	10°13	0°45	1°42	25°34	9°50	10°45	6° 5	n.a.	F 18
S 19	9 23 39	22°56'19	6♏ 1	27° 1	15°59	14°10	29°26	10°13	0°48	1°41	25°36	9°D50	10°42	6°12	n.a.	S 19
S 20	9 27 36	23°55'37	19°36	27°33	17°13	14°40	29°18	10°14	0°52	1°40	25°37	9°R50	10°39	6°18	n.a.	S 20
M21	9 31 32	24°54'54	3♐28	28°10	18°27	15°10	29°11	10°14	0°55	1°38	25°39	9°49	10°35	6°25	n.a.	M21
T 22	9 35 29	25°54'08	17°38	28°50	19°42	15°41	29° 3	10°14	0°59	1°37	25°40	9°48	10°32	6°32	n.a.	T 22
W23	9 39 25	26°53'21	2♑ 5	29°34	20°56	16°12	28°55	10°15	1° 2	1°36	25°42	9°44	10°29	6°38	n.a.	W23
T 24	9 43 22	27°52'31	16°46	0♒22	22°11	16°42	28°47	10°16	1° 6	1°35	25°43	9°37	10°26	6°45	n.a.	T 24
F 25	9 47 19	28°51'40	1♒35	1°13	23°25	17°13	28°40	10°16	1° 9	1°33	25°45	9°28	10°23	6°52	n.a.	F 25
S 26	9 51 15	29°50'47	16°25	2° 8	24°39	17°44	28°32	10°17	1°12	1°32	25°46	9°18	10°20	6°58	n.a.	S 26
S 27	9 55 12	0♓49'51	1♓ 7	3° 5	25°54	18°16	28°24	10°18	1°16	1°31	25°48	9° 7	10°16	7° 5	n.a.	S 27
M28	9 59 8	1°48'53	15°32	4° 5	27° 8	18°47	28°16	10°19	1°19	1°29	25°49	8°58	10°13	7°12	n.a.	M28
T 29	10 3 5	2♓47'53	29♓35	5♒ 7	28♒22	19♉18	28♌ 9	10♊21	1♓23	1♎28	25♑51	8♉50	10♉10	7♋19	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s16	6s54	3s52	16s 4	3n51	22s42	1s 2	15n 5	1n39	12n38	1n40	21n39	0s42	12s24	0s45	1n 3	2n 0	32s20	11s 8	15n35	15n33	27n48		n.a.
W 2	19 2	0 37	3 0	16 20	3 48	22 30	1 4	15 15	1 39	12 41	1 41	21 39	0 41	12 22	0 45	1 3	2 0	32 20	11 8	15 33	15 32	27 48		n.a.
T 3	18 46	5n28	2 0	16 38	3 43	22 18	1 5	15 24	1 39	12 43	1 41	21 39	0 41	12 21	0 45	1 3	2 0	32 20	11 8	15 32	15 31	27 48		n.a.
F 4	18 31	11 9	0 55	16 57	3 36	22 5	1 7	15 33	1 39	12 46	1 41	21 39	0 41	12 20	0 45	1 4	2 0	32 19	11 8	15 32	15 30	27 49		n.a.
S 5	18 15	16 15	0n10	17 16	3 28	21 51	1 8	15 43	1 39	12 48	1 41	21 39	0 41	12 19	0 45	1 4	2 1	32 19	11 8	15 32	15 29	27 49		n.a.
S 6	17 59	20 36	1 13	17 35	3 18	21 36	1 10	15 52	1 39	12 51	1 41	21 39	0 41	12 18	0 45	1 4	2 1	32 19	11 8	15 32	15 28	27 49		n.a.
M 7	17 42	24 2	2 12	17 54	3 7	21 21	1 11	16 2	1 39	12 53	1 42	21 39	0 41	12 17	0 45	1 5	2 1	32 19	11 8	15 31	15 27	27 50		n.a.
T 8	17 26	26 25	3 5	18 13	2 55	21 6	1 12	16 11	1 39	12 56	1 42	21 39	0 40	12 15	0 45	1 5	2 1	32 19	11 9	15 30	15 26	27 50		n.a.
W 9	17 9	27 36	3 50	18 31	2 42	20 49	1 14	16 21	1 40	12 59	1 42	21 39	0 40	12 14	0 45	1 6	2 1	32 18	11 9	15 28	15 25	27 50		n.a.
T 10	16 51	27 31	4 24	18 48	2 29	20 32	1 15	16 30	1 40	13 1	1 42	21 39	0 40	12 13	0 45	1 6	2 1	32 18	11 9	15 25	15 24	27 50		n.a.
F 11	16 34	26 10	4 48	19 5	2 15	20 15	1 16	16 39	1 40	13 4	1 42	21 39	0 40	12 12	0 45	1 7	2 1	32 18	11 9	15 21	15 23	27 51		n.a.
S 12	16 16	23 36	4 59	19 20	2 2	19 57	1 17	16 49	1 40	13 7	1 42	21 39	0 40	12 11	0 45	1 7	2 1	32 18	11 9	15 16	15 22	27 51		n.a.
S 13	15 58	19 58	4 56	19 35	1 48	19 38	1 18	16 58	1 40	13 10	1 42	21 39	0 40	12 9	0 45	1 7	2 1	32 18	11 9	15 12	15 21	27 51		n.a.
M14	15 39	15 25	4 40	19 48	1 34	19 19	1 19	17 7	1 40	13 12	1 43	21 39	0 39	12 8	0 45	1 8	2 1	32 17	11 9	15 8	15 20	27 51		n.a.
T 15	15 21	10 11	4 9	20 1	1 20	18 59	1 20	17 17	1 40	13 15	1 43	21 39	0 39	12 7	0 45	1 8	2 1	32 17	11 10	15 4	15 19	27 51		n.a.
W16	15 2	4 28	3 26	20 12	1 6	18 39	1 21	17 26	1 40	13 18	1 43	21 39	0 39	12 6	0 45	1 9	2 1	32 17	11 10	15 1	15 18	27 52		n.a.
T 17	14 43	1s32	2 32	20 22	0 52	18 18	1 21	17 35	1 40	13 21	1 43	21 39	0 39	12 5	0 45	1 9	2 1	32 17	11 10	14 59	15 17	27 52		n.a.
F 18	14 23	7 35	1 29	20 30	0 39	17 57	1 22	17 44	1 40	13 23	1 43	21 40	0 39	12 3	0 45	1 10	2 1	32 17	11 10	14 58	15 16	27 52		n.a.
S 19	14 4	13 24	0 20	20 37	0 26	17 35	1 23	17 54	1 39	13 26	1 43	21 40	0 39	12 2	0 45	1 10	2 1	32 17	11 10	14 58	15 15	27 52		n.a.
S 20	13 44	18 43	0s52	20 43	0 14	17 13	1 23	18 3	1 39	13 29	1 43	21 40	0 38	12 1	0 45	1 11	2 1	32 16	11 10	14 58	15 14	27 52		n.a.
M21	13 24	23 8	2 2	20 48	0 2	16 50	1 24	18 12	1 39	13 32	1 43	21 40	0 38	12 0	0 45	1 11	2 1	32 16	11 11	14 58	15 13	27 53		n.a.
T 22	13 4	26 17	3 6	20 51	0s10	16 27	1 24	18 21	1 39	13 35	1 43	21 40	0 38	11 58	0 45	1 12	2 1	32 16	11 11	14 57	15 12	27 53		n.a.
W23	12 43	27 45	4 0	20 53	0 21	16 3	1 24	18 30	1 39	13 37	1 43	21 41	0 38	11 57	0 45	1 12	2 1	32 16	11 11	14 56	15 11	27 53		n.a.
T 24	12 23	27 19	4 38	20 53	0 32	15 39	1 25	18 39	1 39	13 40	1 43	21 41	0 38	11 56	0 45	1 13	2 2	32 16	11 11	14 54	15 10	27 53		n.a.
F 25	12 2	24 56	4 59	20 52	0 42	15 14	1 25	18 48	1 39	13 43	1 43	21 41	0 38	11 55	0 45	1 14	2 2	32 16	11 11	14 51	15 9	27 53		n.a.
S 26	11 41	20 53	4 59	20 49	0 52	14 49	1 25	18 57	1 39	13 46	1 43	21 42	0 37	11 53	0 45	1 14	2 2	32 16	11 11	14 48	15 7	27 53		n.a.
S 27	11 20	15 35	4 40	20 45	1 2	14 24	1 25	19 6	1 39	13 49	1 44	21 42	0 37	11 52	0 45	1 15	2 2	32 16	11 12	14 44	15 6	27 53		n.a.
M28	10 59	9 30	4 3	20 39	1 11	13 58	1 25	19 14	1 39	13 51	1 44	21 42	0 37	11 51	0 45	1 15	2 2	32 16	11 12	14 41	15 5	27 53		n.a.
T 29	10s37	3s 6	3s12	20s32	1s19	13s32	1s25	19n23	1n39	13n54	1n44	21n42	0s37	11s50	0s45	1n16	2n 2	32s15	11s12	14n39	15n 4	27n54		n.a.

Julian Day Number = 1474179.5, Delta T = 05h28m20s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'20, Lahiri = -13°18'20 Julian Calendar 1 Feb. 677 BCE == Greg. Calendar 25 Jan. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

MARCH 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 7 1	3♓46'51	13♈12	6♒13	29♒36	19♉50	28°R 1	10♊22	1♓26	1°R27	25♋52	8°R45	10♉ 7	7♋25	n.a.	W 1
T 2	10 10 58	4°45'46	26°23	7°20	0♓51	20°21	27♌53	10°23	1°29	1♎25	25°53	8♉42	10° 4	7°32	n.a.	T 2
F 3	10 14 54	5°44'39	9♉ 9	8°30	2° 5	20°53	27°46	10°25	1°33	1°24	25°55	8°D41	10° 0	7°39	n.a.	F 3
S 4	10 18 51	6°43'30	21°34	9°43	3°19	21°25	27°38	10°27	1°36	1°22	25°56	8°42	9°57	7°45	n.a.	S 4
S 5	10 22 48	7°42'19	3♊43	10°57	4°33	21°57	27°31	10°28	1°40	1°21	25°58	8°R42	9°54	7°52	n.a.	S 5
M 6	10 26 44	8°41'05	15°40	12°14	5°48	22°29	27°23	10°30	1°43	1°20	25°59	8°42	9°51	7°59	n.a.	M 6
T 7	10 30 41	9°39'48	27°32	13°32	7° 2	23° 1	27°16	10°32	1°46	1°18	26° 0	8°40	9°48	8° 5	n.a.	T 7
W 8	10 34 37	10°38'30	9♋22	14°52	8°16	23°33	27° 8	10°34	1°50	1°17	26° 1	8°36	9°45	8°12	n.a.	W 8
T 9	10 38 34	11°37'09	21°16	16°15	9°30	24° 5	27° 1	10°37	1°53	1°15	26° 3	8°30	9°41	8°19	n.a.	T 9
F 10	10 42 30	12°35'45	3♌17	17°39	10°44	24°38	26°54	10°39	1°57	1°14	26° 4	8°22	9°38	8°26	n.a.	F 10
S 11	10 46 27	13°34'20	15°28	19° 5	11°58	25°10	26°47	10°41	2° 0	1°12	26° 5	8°12	9°35	8°32	n.a.	S 11
S 12	10 50 23	14°32'52	27°51	20°33	13°12	25°43	26°39	10°44	2° 3	1°10	26° 6	8° 2	9°32	8°39	n.a.	S 12
M13	10 54 20	15°31'22	10♍27	22° 2	14°27	26°15	26°32	10°46	2° 7	1° 9	26° 8	7°53	9°29	8°46	n.a.	M13
T 14	10 58 16	16°29'50	23°16	23°34	15°41	26°48	26°26	10°49	2°10	1° 7	26° 9	7°44	9°25	8°52	n.a.	T 14
W15	11 2 13	17°28'16	6♎18	25° 7	16°55	27°21	26°19	10°52	2°13	1° 6	26°10	7°38	9°22	8°59	n.a.	W15
T 16	11 6 10	18°26'40	19°31	26°42	18° 9	27°53	26°12	10°55	2°17	1° 4	26°11	7°35	9°19	9° 6	n.a.	T 16
F 17	11 10 6	19°25'02	2♏56	28°18	19°23	28°26	26° 5	10°58	2°20	1° 3	26°12	7°D33	9°16	9°12	n.a.	F 17
S 18	11 14 3	20°23'23	16°32	29°56	20°37	28°59	25°59	11° 1	2°23	1° 1	26°13	7°33	9°13	9°19	n.a.	S 18
S 19	11 17 59	21°21'42	0♐18	1♓36	21°51	29°32	25°52	11° 4	2°27	0°59	26°15	7°34	9°10	9°26	n.a.	S 19
M20	11 21 56	22°19'59	14°14	3°18	23° 5	0♊ 5	25°46	11° 7	2°30	0°58	26°16	7°35	9° 6	9°33	n.a.	M20
T 21	11 25 52	23°18'15	28°21	5° 1	24°19	0°39	25°40	11°11	2°33	0°56	26°17	7°R36	9° 3	9°39	n.a.	T 21
W22	11 29 49	24°16'29	12♑36	6°46	25°33	1°12	25°34	11°14	2°36	0°55	26°18	7°34	9° 0	9°46	n.a.	W22
T 23	11 33 45	25°14'42	26°57	8°33	26°47	1°45	25°28	11°18	2°40	0°53	26°19	7°31	8°57	9°53	n.a.	T 23
F 24	11 37 42	26°12'53	11♒22	10°21	28° 1	2°19	25°22	11°21	2°43	0°51	26°20	7°26	8°54	9°59	n.a.	F 24
S 25	11 41 39	27°11'02	25°44	12°11	29°15	2°52	25°16	11°25	2°46	0°50	26°21	7°20	8°51	10° 6	n.a.	S 25
S 26	11 45 35	28° 9'09	9♓59	14° 3	0♈29	3°26	25°11	11°29	2°49	0°48	26°22	7°14	8°47	10°13	n.a.	S 26
M27	11 49 32	29° 7'15	24° 1	15°57	1°43	3°59	25° 5	11°33	2°52	0°47	26°23	7° 8	8°44	10°20	n.a.	M27
T 28	11 53 28	0♈ 5'19	7♈47	17°52	2°57	4°33	25° 0	11°37	2°55	0°45	26°23	7° 4	8°41	10°26	n.a.	T 28
W29	11 57 25	1° 3'21	21°12	19°49	4°11	5° 7	24°55	11°41	2°59	0°43	26°24	7° 1	8°38	10°33	n.a.	W29
T 30	12 1 21	2° 1'22	4♉17	21°48	5°24	5°40	24°50	11°45	3° 2	0°42	26°25	7°D 0	8°35	10°40	n.a.	T 30
F 31	12 5 18	2♈59'20	17♉ 0	23♓48	6♈38	6♊14	24♌45	11♊49	3♓ 5	0♎40	26♑26	7♉ 0	8♉31	10♋46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	10s16	3n16	2s11	20s23	1s27	13s 6	1s25	19n32	1n39	13n57	1n44	21n43	0s37	11s49	0s45	1n16	2n 2	32s15	11s12	14n37	15n 3	27n54			n.a.
T 2	9 54	9 19	1 5	20 13	1 34	12 39	1 25	19 40	1 39	14 0	1 44	21 43	0 37	11 47	0 45	1 17	2 2	32 15	11 13	14 36	15 2	27 54			n.a.
F 3	9 32	14 47	0n 2	20 1	1 41	12 12	1 25	19 49	1 39	14 2	1 44	21 44	0 36	11 46	0 45	1 18	2 2	32 15	11 13	14 36	15 1	27 54			n.a.
S 4	9 10	19 31	1 8	19 48	1 48	11 45	1 25	19 57	1 39	14 5	1 44	21 44	0 36	11 45	0 45	1 18	2 2	32 15	11 13	14 36	15 0	27 54			n.a.
S 5	8 48	23 19	2 10	19 33	1 54	11 17	1 24	20 6	1 39	14 7	1 44	21 44	0 36	11 44	0 45	1 19	2 2	32 15	11 13	14 36	14 59	27 54			n.a.
M 6	8 26	26 3	3 4	19 16	1 59	10 49	1 24	20 14	1 38	14 10	1 43	21 45	0 36	11 42	0 45	1 20	2 2	32 15	11 13	14 36	14 58	27 54			n.a.
T 7	8 3	27 36	3 50	18 58	2 4	10 21	1 24	20 22	1 38	14 13	1 43	21 45	0 36	11 41	0 45	1 20	2 2	32 15	11 14	14 36	14 57	27 54			n.a.
W 8	7 41	27 52	4 27	18 39	2 8	9 52	1 23	20 31	1 38	14 15	1 43	21 46	0 36	11 40	0 45	1 21	2 2	32 15	11 14	14 34	14 56	27 54			n.a.
T 9	7 18	26 52	4 51	18 18	2 12	9 23	1 22	20 39	1 38	14 18	1 43	21 46	0 35	11 39	0 45	1 21	2 2	32 15	11 14	14 32	14 55	27 54			n.a.
F 10	6 56	24 37	5 4	17 55	2 16	8 54	1 22	20 47	1 38	14 20	1 43	21 47	0 35	11 37	0 45	1 22	2 2	32 15	11 14	14 30	14 54	27 54			n.a.
S 11	6 33	21 14	5 2	17 30	2 19	8 25	1 21	20 55	1 38	14 23	1 43	21 47	0 35	11 36	0 45	1 23	2 2	32 15	11 15	14 26	14 53	27 54			n.a.
S 12	6 10	16 52	4 47	17 4	2 21	7 55	1 20	21 2	1 38	14 25	1 43	21 48	0 35	11 35	0 45	1 23	2 2	32 15	11 15	14 23	14 52	27 54			n.a.
M13	5 47	11 43	4 18	16 37	2 23	7 26	1 20	21 10	1 38	14 27	1 43	21 48	0 35	11 34	0 45	1 24	2 2	32 15	11 15	14 20	14 51	27 54			n.a.
T 14	5 24	5 59	3 35	16 7	2 24	6 56	1 19	21 18	1 38	14 30	1 43	21 49	0 35	11 33	0 45	1 25	2 2	32 15	11 15	14 17	14 50	27 54			n.a.
W15	5 1	0s 6	2 40	15 36	2 25	6 26	1 18	21 25	1 37	14 32	1 43	21 49	0 34	11 31	0 45	1 25	2 2	32 15	11 16	14 15	14 49	27 54			n.a.
T 16	4 38	6 16	1 36	15 4	2 25	5 56	1 17	21 33	1 37	14 34	1 43	21 50	0 34	11 30	0 45	1 26	2 2	32 15	11 16	14 14	14 48	27 54			n.a.
F 17	4 15	12 16	0 25	14 30	2 25	5 25	1 16	21 40	1 37	14 36	1 43	21 51	0 34	11 29	0 45	1 27	2 2	32 15	11 16	14 14	14 47	27 54			n.a.
S 18	3 52	17 47	0s48	13 54	2 24	4 55	1 15	21 48	1 37	14 39	1 43	21 51	0 34	11 28	0 45	1 27	2 2	32 15	11 16	14 14	14 46	27 54			n.a.
S 19	3 28	22 27	2 0	13 17	2 23	4 24	1 13	21 55	1 37	14 41	1 43	21 52	0 34	11 27	0 45	1 28	2 2	32 15	11 17	14 14	14 45	27 54			n.a.
M20	3 5	25 54	3 5	12 38	2 21	3 53	1 12	22 2	1 37	14 43	1 42	21 52	0 34	11 25	0 45	1 29	2 2	32 15	11 17	14 14	14 44	27 54			n.a.
T 21	2 42	27 46	4 0	11 57	2 19	3 22	1 11	22 9	1 37	14 45	1 42	21 53	0 33	11 24	0 45	1 29	2 2	32 15	11 17	14 14	14 43	27 54			n.a.
W22	2 18	27 49	4 40	11 15	2 16	2 51	1 10	22 16	1 37	14 47	1 42	21 54	0 33	11 23	0 45	1 30	2 2	32 15	11 18	14 14	14 42	27 54			n.a.
T 23	1 55	26 2	5 4	10 32	2 13	2 20	1 8	22 23	1 36	14 49	1 42	21 54	0 33	11 22	0 45	1 31	2 2	32 15	11 18	14 13	14 41	27 54			n.a.
F 24	1 32	22 33	5 8	9 46	2 9	1 49	1 7	22 29	1 36	14 51	1 42	21 55	0 33	11 21	0 45	1 31	2 2	32 15	11 18	14 11	14 40	27 53			n.a.
S 25	1 8	17 43	4 53	8 59	2 4	1 18	1 5	22 36	1 36	14 52	1 42	21 56	0 33	11 20	0 45	1 32	2 2	32 16	11 18	14 9	14 39	27 53			n.a.
S 26	0 45	11 56	4 20	8 11	1 59	0 47	1 4	22 42	1 36	14 54	1 42	21 56	0 33	11 18	0 45	1 33	2 2	32 16	11 19	14 7	14 38	27 53			n.a.
M27	0 21	5 39	3 32	7 21	1 53	0 16	1 2	22 49	1 36	14 56	1 41	21 57	0 33	11 17	0 45	1 33	2 2	32 16	11 19	14 5	14 37	27 53			n.a.
T 28	0n 2	0n48	2 32	6 30	1 47	0n16	1 1	22 55	1 36	14 57	1 41	21 58	0 32	11 16	0 45	1 34	2 2	32 16	11 19	14 4	14 36	27 53			n.a.
W29	0 26	7 5	1 25	5 37	1 41	0 47	0 59	23 1	1 35	14 59	1 41	21 58	0 32	11 15	0 45	1 35	2 2	32 16	11 20	14 3	14 35	27 53			n.a.
T 30	0 49	12 54	0 15	4 43	1 34	1 18	0 57	23 7	1 35	15 1	1 41	21 59	0 32	11 14	0 45	1 35	2 2	32 16	11 20	14 3	14 34	27 53			n.a.
F 31	1n12	18n 1	0n54	3s48	1s26	1n49	0s56	23n13	1n35	15n 2	1n41	22n 0	0s32	11s13	0s45	1n36	2n 2	32s16	11s20	14n 3	14n33	27n52			n.a.

Julian Day Number = 1474208.5, Delta T = 05h28m18s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'16, Lahiri = -13°18'16 Julian Calendar 1 March 677 BCE == Greg. Calendar 23 Feb. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

APRIL 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 9 14	3♈57'17	29♉25	25♓50	7♈52	6♊48	24°R40	11♊54	3♓ 8	0°R38	26♑27	7♉ 2	8♉28	10♋53	n.a.	S 1
S 2	12 13 11	4°55'12	11♊36	27°54	9° 6	7°22	24♌36	11°58	3°11	0♎37	26°28	7° 3	8°25	11° 0	n.a.	S 2
M 3	12 17 7	5°53'05	23°35	29°59	10°20	7°56	24°32	12° 3	3°14	0°35	26°28	7° 5	8°22	11° 6	n.a.	M 3
T 4	12 21 4	6°50'56	5♋29	2♈ 5	11°34	8°30	24°27	12° 7	3°17	0°34	26°29	7°R 5	8°19	11°13	n.a.	T 4
W 5	12 25 1	7°48'45	17°21	4°13	12°48	9° 5	24°23	12°12	3°20	0°32	26°30	7° 5	8°16	11°20	n.a.	W 5
T 6	12 28 57	8°46'32	29°17	6°21	14° 1	9°39	24°20	12°17	3°23	0°30	26°31	7° 3	8°12	11°27	n.a.	T 6
F 7	12 32 54	9°44'18	11♌21	8°31	15°15	10°13	24°16	12°22	3°26	0°29	26°31	7° 0	8° 9	11°33	n.a.	F 7
S 8	12 36 50	10°42'01	23°36	10°41	16°29	10°47	24°12	12°26	3°29	0°27	26°32	6°57	8° 6	11°40	n.a.	S 8
S 9	12 40 47	11°39'43	6♍ 7	12°51	17°43	11°22	24° 9	12°31	3°31	0°25	26°33	6°53	8° 3	11°47	n.a.	S 9
M10	12 44 43	12°37'23	18°54	15° 2	18°57	11°56	24° 6	12°37	3°34	0°24	26°33	6°49	8° 0	11°53	n.a.	M10
T 11	12 48 40	13°35'02	1♎58	17°13	20°10	12°31	24° 3	12°42	3°37	0°22	26°34	6°46	7°56	12° 0	n.a.	T 11
W12	12 52 36	14°32'39	15°19	19°23	21°24	13° 5	24° 0	12°47	3°40	0°21	26°34	6°43	7°53	12° 7	n.a.	W12
T 13	12 56 33	15°30'15	28°56	21°32	22°38	13°40	23°57	12°52	3°43	0°19	26°35	6°42	7°50	12°14	n.a.	T 13
F 14	13 0 30	16°27'49	12♏47	23°41	23°51	14°14	23°55	12°58	3°45	0°18	26°35	6°D42	7°47	12°20	n.a.	F 14
S 15	13 4 26	17°25'22	26°48	25°49	25° 5	14°49	23°52	13° 3	3°48	0°16	26°36	6°43	7°44	12°27	n.a.	S 15
S 16	13 8 23	18°22'55	10♐56	27°55	26°19	15°24	23°50	13° 9	3°51	0°15	26°36	6°44	7°41	12°34	n.a.	S 16
M17	13 12 19	19°20'26	25° 9	29°59	27°32	15°59	23°48	13°14	3°53	0°13	26°37	6°45	7°37	12°40	n.a.	M17
T 18	13 16 16	20°17'56	9♑24	2♉ 2	28°46	16°33	23°46	13°20	3°56	0°12	26°37	6°46	7°34	12°47	n.a.	T 18
W19	13 20 12	21°15'25	23°38	4° 2	29°59	17° 8	23°45	13°25	3°59	0°10	26°38	6°R46	7°31	12°54	n.a.	W19
T 20	13 24 9	22°12'54	7♒49	6° 0	1♉13	17°43	23°43	13°31	4° 1	0° 9	26°38	6°46	7°28	13° 1	n.a.	T 20
F 21	13 28 5	23°10'21	21°54	7°56	2°27	18°18	23°42	13°37	4° 4	0° 7	26°38	6°45	7°25	13° 7	n.a.	F 21
S 22	13 32 2	24° 7'47	5♓52	9°49	3°41	18°53	23°41	13°43	4° 6	0° 6	26°39	6°43	7°22	13°14	n.a.	S 22
S 23	13 35 59	25° 5'13	19°39	11°40	4°54	19°28	23°40	13°49	4° 8	0° 4	26°39	6°42	7°18	13°21	n.a.	S 23
M24	13 39 55	26° 2'37	3♈14	13°28	6° 8	20° 3	23°39	13°55	4°11	0° 3	26°39	6°41	7°15	13°27	n.a.	M24
T 25	13 43 52	27° 0'01	16°35	15°13	7°21	20°39	23°39	14° 1	4°13	0° 1	26°39	6°40	7°12	13°34	n.a.	T 25
W26	13 47 48	27°57'24	29°40	16°55	8°35	21°14	23°39	14° 7	4°16	29♍59	26°40	6°39	7° 9	13°41	n.a.	W26
T 27	13 51 45	28°54'45	12♉30	18°35	9°49	21°49	23°D38	14°13	4°18	29°58	26°40	6°D39	7° 6	13°48	n.a.	T 27
F 28	13 55 41	29°52'06	25° 4	20°12	11° 2	22°24	23°38	14°20	4°20	29°57	26°40	6°39	7° 2	13°54	n.a.	F 28
S 29	13 59 38	0♉49'25	7♊24	21°46	12°16	23° 0	23°39	14°26	4°22	29°56	26°40	6°40	6°59	14° 1	n.a.	S 29
S 30	14 3 34	1♉46'44	19♊32	23♉17	13♉29	23♊35	23♌39	14♊32	4♓25	29♍54	26♑40	6♉41	6♉56	14♋ 8	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n36	22n15	1n59	2s52	1s18	2n21	0s54	23n19	1n35	15n 3	1n41	22n 1	0s32	11s12	0s45	1n36	2n 2	32s16	11s21	14n 3	14n32	27n52		n.a.
S 2	1 59	25 26	2 58	1 54	1 9	2 52	0 52	23 24	1 35	15 5	1 40	22 1	0 32	11 11	0 45	1 37	2 2	32 16	11 21	14 4	14 31	27 52		n.a.
M 3	2 22	27 24	3 47	0 56	1 0	3 23	0 50	23 30	1 35	15 6	1 40	22 2	0 32	11 10	0 45	1 38	2 2	32 17	11 21	14 4	14 30	27 52		n.a.
T 4	2 45	28 6	4 27	0n 4	0 51	3 54	0 48	23 35	1 34	15 7	1 40	22 3	0 31	11 8	0 45	1 38	2 2	32 17	11 22	14 4	14 29	27 52		n.a.
W 5	3 9	27 30	4 55	1 4	0 41	4 25	0 46	23 41	1 34	15 9	1 40	22 4	0 31	11 7	0 45	1 39	2 2	32 17	11 22	14 4	14 27	27 52		n.a.
T 6	3 32	25 38	5 10	2 5	0 31	4 56	0 44	23 46	1 34	15 10	1 40	22 4	0 31	11 6	0 45	1 40	2 2	32 17	11 22	14 4	14 26	27 51		n.a.
F 7	3 55	22 36	5 12	3 6	0 21	5 27	0 42	23 51	1 34	15 11	1 39	22 5	0 31	11 5	0 45	1 40	2 2	32 17	11 22	14 3	14 25	27 51		n.a.
S 8	4 18	18 33	5 0	4 7	0 11	5 57	0 40	23 56	1 34	15 12	1 39	22 6	0 31	11 4	0 45	1 41	2 2	32 17	11 23	14 2	14 24	27 51		n.a.
S 9	4 41	13 37	4 33	5 9	0n 0	6 28	0 38	24 0	1 34	15 13	1 39	22 7	0 31	11 3	0 45	1 42	2 2	32 18	11 23	14 0	14 23	27 51		n.a.
M10	5 3	8 1	3 53	6 10	0 11	6 58	0 36	24 5	1 33	15 14	1 39	22 8	0 31	11 2	0 45	1 42	2 2	32 18	11 23	13 59	14 22	27 50		n.a.
T 11	5 26	1 57	2 59	7 11	0 21	7 28	0 34	24 9	1 33	15 14	1 39	22 8	0 30	11 1	0 45	1 43	2 2	32 18	11 24	13 58	14 21	27 50		n.a.
W12	5 49	4s21	1 55	8 11	0 32	7 58	0 32	24 14	1 33	15 15	1 38	22 9	0 30	11 0	0 45	1 44	2 2	32 18	11 24	13 57	14 20	27 50		n.a.
T 13	6 11	10 35	0 43	9 10	0 42	8 28	0 29	24 18	1 33	15 16	1 38	22 10	0 30	10 59	0 45	1 44	2 2	32 18	11 24	13 57	14 19	27 50		n.a.
F 14	6 34	16 25	0s33	10 8	0 52	8 58	0 27	24 22	1 33	15 16	1 38	22 11	0 30	10 58	0 45	1 45	2 2	32 19	11 25	13 57	14 18	27 49		n.a.
S 15	6 56	21 28	1 48	11 4	1 2	9 27	0 25	24 26	1 32	15 17	1 38	22 12	0 30	10 57	0 45	1 45	2 2	32 19	11 25	13 57	14 17	27 49		n.a.
S 16	7 18	25 20	2 58	11 59	1 11	9 57	0 23	24 30	1 32	15 18	1 37	22 12	0 30	10 56	0 45	1 46	2 2	32 19	11 25	13 57	14 16	27 49		n.a.
M17	7 40	27 37	3 56	12 53	1 20	10 26	0 20	24 33	1 32	15 18	1 37	22 13	0 30	10 55	0 45	1 47	2 2	32 19	11 26	13 58	14 15	27 49		n.a.
T 18	8 2	28 6	4 40	13 44	1 29	10 55	0 18	24 37	1 32	15 18	1 37	22 14	0 29	10 54	0 45	1 47	2 2	32 20	11 26	13 58	14 14	27 48		n.a.
W19	8 24	26 43	5 7	14 34	1 37	11 23	0 16	24 40	1 32	15 19	1 37	22 15	0 29	10 53	0 45	1 48	2 2	32 20	11 26	13 58	14 13	27 48		n.a.
T 20	8 46	23 39	5 16	15 21	1 44	11 52	0 13	24 43	1 31	15 19	1 36	22 16	0 29	10 53	0 45	1 48	2 2	32 20	11 27	13 58	14 12	27 48		n.a.
F 21	9 8	19 12	5 5	16 6	1 51	12 20	0 11	24 46	1 31	15 19	1 36	22 17	0 29	10 52	0 45	1 49	2 2	32 20	11 27	13 58	14 11	27 47		n.a.
S 22	9 29	13 45	4 36	16 49	1 57	12 47	0 8	24 49	1 31	15 19	1 36	22 17	0 29	10 51	0 45	1 49	2 2	32 21	11 27	13 57	14 10	27 47		n.a.
S 23	9 51	7 42	3 51	17 29	2 3	13 15	0 6	24 52	1 31	15 19	1 36	22 18	0 29	10 50	0 45	1 50	2 2	32 21	11 28	13 57	14 9	27 47		n.a.
M24	10 12	1 22	2 54	18 7	2 7	13 42	0 4	24 54	1 30	15 19	1 35	22 19	0 29	10 49	0 45	1 51	2 2	32 21	11 28	13 56	14 8	27 46		n.a.
T 25	10 33	4n56	1 49	18 43	2 11	14 9	0 1	24 57	1 30	15 19	1 35	22 20	0 29	10 48	0 45	1 51	2 2	32 21	11 28	13 56	14 7	27 46		n.a.
W26	10 54	10 55	0 39	19 17	2 15	14 35	0n 1	24 59	1 30	15 19	1 35	22 21	0 28	10 47	0 45	1 52	2 2	32 22	11 29	13 56	14 6	27 46		n.a.
T 27	11 14	16 19	0n32	19 48	2 17	15 1	0 4	25 1	1 30	15 19	1 35	22 22	0 28	10 46	0 45	1 52	2 2	32 22	11 29	13 56	14 4	27 45		n.a.
F 28	11 35	20 55	1 40	20 16	2 19	15 27	0 6	25 3	1 30	15 19	1 34	22 23	0 28	10 46	0 45	1 53	2 2	32 22	11 29	13 56	14 3	27 45		n.a.
S 29	11 55	24 31	2 42	20 43	2 20	15 52	0 9	25 5	1 29	15 19	1 34	22 24	0 28	10 45	0 46	1 53	2 2	32 23	11 30	13 56	14 2	27 44		n.a.
S 30	12n16	26n57	3n36	21n 7	2n20	16n17	0n11	25n 6	1n29	15n18	1n34	22n24	0s28	10s44	0s46	1n54	2n 2	32s23	11s30	13n56	14n 1	27n44		n.a.

Julian Day Number = 1474239.5, Delta T = 05h28m17s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'12, Lahiri = -13°18'12 Julian Calendar 1 Apr. 677 BCE == Greg. Calendar 25 March 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

MAY 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 7 31	2♉44'01	1♋31	24♉44	14♉43	24♊10	23♌40	14♊39	4♓27	29°R53	26♑40	6♉41	6♉53	14♋14	n.a.	M 1
T 2	14 11 28	3°41'18	13°24	26° 9	15°56	24°46	23°40	14°45	4°29	29♍52	26°40	6°41	6°50	14°21	n.a.	T 2
W 3	14 15 24	4°38'33	25°17	27°31	17°10	25°21	23°41	14°52	4°31	29°51	26°40	6°41	6°47	14°28	n.a.	W 3
T 4	14 19 21	5°35'47	7♌13	28°50	18°23	25°57	23°42	14°58	4°33	29°49	26°R40	6°R42	6°43	14°35	n.a.	T 4
F 5	14 23 17	6°33'00	19°17	0♊ 6	19°37	26°33	23°44	15° 5	4°35	29°48	26°40	6°D42	6°40	14°41	n.a.	F 5
S 6	14 27 14	7°30'13	1♍33	1°18	20°50	27° 8	23°45	15°12	4°37	29°47	26°40	6°42	6°37	14°48	n.a.	S 6
S 7	14 31 10	8°27'24	14° 5	2°28	22° 4	27°44	23°47	15°18	4°39	29°46	26°40	6°42	6°34	14°55	n.a.	S 7
M 8	14 35 7	9°24'34	26°57	3°34	23°17	28°20	23°48	15°25	4°41	29°44	26°40	6°42	6°31	15° 1	n.a.	M 8
T 9	14 39 4	10°21'43	10♎10	4°37	24°31	28°55	23°50	15°32	4°43	29°43	26°40	6°42	6°28	15° 8	n.a.	T 9
W10	14 43 0	11°18'52	23°46	5°36	25°44	29°31	23°53	15°39	4°44	29°42	26°40	6°42	6°24	15°15	n.a.	W10
T 11	14 46 57	12°16'00	7♏43	6°32	26°57	0♋ 7	23°55	15°46	4°46	29°41	26°40	6°R43	6°21	15°21	n.a.	T 11
F 12	14 50 53	13°13'08	21°57	7°24	28°11	0°43	23°57	15°53	4°48	29°40	26°40	6°42	6°18	15°28	n.a.	F 12
S 13	14 54 50	14°10'15	6♐25	8°12	29°24	1°19	24° 0	16° 0	4°50	29°39	26°40	6°42	6°15	15°35	n.a.	S 13
S 14	14 58 46	15° 7'22	21° 0	8°57	0♊38	1°55	24° 3	16° 7	4°51	29°38	26°39	6°41	6°12	15°42	n.a.	S 14
M15	15 2 43	16° 4'29	5♑38	9°38	1°51	2°31	24° 6	16°14	4°53	29°37	26°39	6°40	6° 8	15°48	n.a.	M15
T 16	15 6 39	17° 1'35	20°10	10°15	3° 4	3° 7	24° 9	16°21	4°54	29°36	26°39	6°39	6° 5	15°55	n.a.	T 16
W17	15 10 36	17°58'42	4♒34	10°47	4°18	3°43	24°12	16°28	4°56	29°35	26°39	6°38	6° 2	16° 2	n.a.	W17
T 18	15 14 33	18°55'48	18°45	11°16	5°31	4°19	24°16	16°35	4°57	29°34	26°38	6°D38	5°59	16° 9	n.a.	T 18
F 19	15 18 29	19°52'54	2♓42	11°40	6°44	4°55	24°20	16°42	4°59	29°33	26°38	6°38	5°56	16°15	n.a.	F 19
S 20	15 22 26	20°50'01	16°23	12° 0	7°58	5°31	24°23	16°50	5° 0	29°32	26°37	6°39	5°53	16°22	n.a.	S 20
S 21	15 26 22	21°47'07	29°49	12°16	9°11	6° 8	24°27	16°57	5° 1	29°31	26°37	6°40	5°49	16°29	n.a.	S 21
M22	15 30 19	22°44'13	13♈ 0	12°26	10°24	6°44	24°32	17° 4	5° 3	29°31	26°37	6°41	5°46	16°35	n.a.	M22
T 23	15 34 15	23°41'20	25°57	12°33	11°38	7°20	24°36	17°11	5° 4	29°30	26°36	6°42	5°43	16°42	n.a.	T 23
W24	15 38 12	24°38'26	8♉41	12°R34	12°51	7°57	24°40	17°19	5° 5	29°29	26°36	6°R43	5°40	16°49	n.a.	W24
T 25	15 42 8	25°35'33	21°13	12°32	14° 4	8°33	24°45	17°26	5° 6	29°28	26°35	6°42	5°37	16°56	n.a.	T 25
F 26	15 46 5	26°32'39	3♊34	12°24	15°17	9° 9	24°50	17°34	5° 7	29°28	26°35	6°40	5°34	17° 2	n.a.	F 26
S 27	15 50 2	27°29'45	15°44	12°12	16°31	9°46	24°55	17°41	5° 8	29°27	26°34	6°38	5°30	17° 9	n.a.	S 27
S 28	15 53 58	28°26'52	27°47	11°56	17°44	10°23	25° 0	17°49	5° 9	29°26	26°34	6°35	5°27	17°16	n.a.	S 28
M29	15 57 55	29°23'58	9♋43	11°36	18°57	10°59	25° 5	17°56	5°10	29°26	26°33	6°31	5°24	17°22	n.a.	M29
T 30	16 1 51	0♊21'04	21°35	11°12	20°10	11°36	25°11	18° 4	5°11	29°25	26°33	6°27	5°21	17°29	n.a.	T 30
W31	16 5 48	1♊18'10	3♌27	10♊45	21♊24	12♋12	25♌16	18♊11	5♓12	29♍24	26♑32	6♉24	5♉18	17♋36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12n36	28n 5	4n19	21n28	2n19	16n42	0n13	25n 8	1n29	15n18	1n34	22n25	0s28	10s43	0s46	1n54	2n 2	32s23	11s30	13n56	14n 0	27n44			n.a.
T 2	12 55	27 55	4 51	21 48	2 18	17 6	0 16	25 9	1 29	15 17	1 33	22 26	0 28	10 43	0 46	1 55	2 2	32 23	11 31	13 56	13 59	27 43			n.a.
W 3	13 15	26 28	5 11	22 5	2 16	17 29	0 18	25 10	1 28	15 17	1 33	22 27	0 28	10 42	0 46	1 55	2 2	32 24	11 31	13 56	13 58	27 43			n.a.
T 4	13 34	23 50	5 17	22 21	2 13	17 53	0 21	25 11	1 28	15 16	1 33	22 28	0 27	10 41	0 46	1 56	2 2	32 24	11 31	13 56	13 57	27 42			n.a.
F 5	13 54	20 8	5 9	22 34	2 10	18 15	0 23	25 12	1 28	15 15	1 33	22 29	0 27	10 40	0 46	1 56	2 2	32 24	11 32	13 56	13 56	27 42			n.a.
S 6	14 13	15 32	4 48	22 45	2 5	18 38	0 26	25 12	1 28	15 15	1 32	22 30	0 27	10 40	0 46	1 57	2 2	32 25	11 32	13 56	13 55	27 41			n.a.
S 7	14 31	10 13	4 12	22 54	2 0	18 59	0 28	25 13	1 27	15 14	1 32	22 30	0 27	10 39	0 46	1 57	2 2	32 25	11 32	13 57	13 54	27 41			n.a.
M 8	14 50	4 19	3 23	23 2	1 54	19 21	0 30	25 13	1 27	15 13	1 32	22 31	0 27	10 38	0 46	1 57	2 2	32 25	11 33	13 57	13 53	27 41			n.a.
T 9	15 8	1s55	2 22	23 7	1 47	19 42	0 33	25 13	1 27	15 12	1 32	22 32	0 27	10 38	0 46	1 58	2 1	32 26	11 33	13 57	13 52	27 40			n.a.
W10	15 26	8 15	1 11	23 11	1 40	20 2	0 35	25 13	1 27	15 11	1 31	22 33	0 27	10 37	0 46	1 58	2 1	32 26	11 33	13 57	13 51	27 40			n.a.
T 11	15 44	14 22	0s 6	23 13	1 32	20 22	0 37	25 13	1 26	15 10	1 31	22 34	0 27	10 36	0 46	1 59	2 1	32 26	11 34	13 57	13 50	27 39			n.a.
F 12	16 2	19 51	1 23	23 13	1 23	20 41	0 40	25 13	1 26	15 9	1 31	22 35	0 27	10 36	0 46	1 59	2 1	32 27	11 34	13 57	13 49	27 39			n.a.
S 13	16 19	24 16	2 37	23 12	1 13	20 59	0 42	25 12	1 26	15 8	1 31	22 36	0 26	10 35	0 46	1 59	2 1	32 27	11 34	13 57	13 48	27 38			n.a.
S 14	16 36	27 9	3 41	23 9	1 3	21 17	0 44	25 11	1 26	15 7	1 30	22 36	0 26	10 35	0 46	2 0	2 1	32 28	11 35	13 56	13 46	27 38			n.a.
M15	16 53	28 10	4 31	23 4	0 52	21 35	0 46	25 11	1 25	15 5	1 30	22 37	0 26	10 34	0 46	2 0	2 1	32 28	11 35	13 56	13 45	27 37			n.a.
T 16	17 9	27 14	5 3	22 58	0 40	21 52	0 49	25 10	1 25	15 4	1 30	22 38	0 26	10 34	0 46	2 1	2 1	32 28	11 35	13 56	13 44	27 37			n.a.
W17	17 26	24 30	5 16	22 51	0 28	22 8	0 51	25 8	1 25	15 3	1 30	22 39	0 26	10 33	0 46	2 1	2 1	32 29	11 36	13 55	13 43	27 36			n.a.
T 18	17 42	20 18	5 9	22 42	0 15	22 24	0 53	25 7	1 25	15 1	1 29	22 40	0 26	10 33	0 46	2 1	2 1	32 29	11 36	13 55	13 42	27 35			n.a.
F 19	17 58	15 4	4 44	22 32	0 1	22 39	0 55	25 5	1 24	15 0	1 29	22 41	0 26	10 32	0 46	2 2	2 1	32 29	11 36	13 55	13 41	27 35			n.a.
S 20	18 13	9 10	4 3	22 20	0s13	22 53	0 57	25 4	1 24	14 58	1 29	22 41	0 26	10 32	0 46	2 2	2 1	32 30	11 37	13 56	13 40	27 34			n.a.
S 21	18 28	2 58	3 10	22 8	0 27	23 7	0 59	25 2	1 24	14 57	1 29	22 42	0 26	10 31	0 46	2 2	2 1	32 30	11 37	13 56	13 39	27 34			n.a.
M22	18 43	3n15	2 7	21 55	0 42	23 20	1 1	25 0	1 23	14 55	1 28	22 43	0 25	10 31	0 46	2 2	2 1	32 31	11 37	13 56	13 38	27 33			n.a.
T 23	18 58	9 15	0 59	21 40	0 58	23 32	1 3	24 57	1 23	14 53	1 28	22 44	0 25	10 30	0 46	2 3	2 1	32 31	11 38	13 57	13 37	27 33			n.a.
W24	19 12	14 46	0n11	21 25	1 13	23 44	1 5	24 55	1 23	14 52	1 28	22 45	0 25	10 30	0 46	2 3	2 1	32 31	11 38	13 57	13 36	27 32			n.a.
T 25	19 26	19 35	1 19	21 9	1 29	23 55	1 7	24 52	1 23	14 50	1 28	22 46	0 25	10 29	0 46	2 3	2 1	32 32	11 38	13 57	13 35	27 31			n.a.
F 26	19 39	23 30	2 23	20 52	1 45	24 6	1 9	24 50	1 22	14 48	1 28	22 46	0 25	10 29	0 46	2 4	2 1	32 32	11 39	13 56	13 34	27 31			n.a.
S 27	19 53	26 17	3 18	20 34	2 1	24 15	1 11	24 47	1 22	14 46	1 27	22 47	0 25	10 29	0 47	2 4	2 1	32 33	11 39	13 55	13 33	27 30			n.a.
S 28	20 6	27 50	4 5	20 16	2 17	24 24	1 12	24 43	1 22	14 44	1 27	22 48	0 25	10 28	0 47	2 4	2 1	32 33	11 39	13 54	13 32	27 30			n.a.
M29	20 18	28 4	4 40	19 58	2 33	24 33	1 14	24 40	1 21	14 42	1 27	22 49	0 25	10 28	0 47	2 4	2 0	32 33	11 39	13 53	13 30	27 29			n.a.
T 30	20 31	27 0	5 3	19 40	2 48	24 40	1 16	24 37	1 21	14 40	1 27	22 50	0 25	10 28	0 47	2 4	2 0	32 34	11 40	13 52	13 29	27 28			n.a.
W31	20n43	24n43	5n13	19n21	3s 3	24n47	1n18	24n33	1n21	14n38	1n26	22n50	0s24	10s27	0s47	2n 5	2n 0	32s34	11s40	13n51	13n28	27n28			n.a.

Julian Day Number = 1474269.5, Delta T = 05h28m15s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'08, Lahiri = -13°18'08 Julian Calendar 1 May 677 BCE == Greg. Calendar 24 Apr. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

JUNE 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 9 44	2♊15'16	15♌22	10°R14	22♊37	12♋49	25♌22	18♊19	5♓13	29°R24	26°R31	6°R22	5♉14	17♋43	n.a.	T 1
F 2	16 13 41	3°12'22	27°24	9♊41	23°50	13°26	25°28	18°26	5°14	29♍23	26♑31	6♉21	5°11	17°49	n.a.	F 2
S 3	16 17 38	4° 9'28	9♍38	9° 5	25° 3	14° 3	25°34	18°34	5°15	29°23	26°30	6°D21	5° 8	17°56	n.a.	S 3
S 4	16 21 34	5° 6'34	22° 8	8°28	26°16	14°39	25°40	18°42	5°15	29°22	26°29	6°22	5° 5	18° 3	n.a.	S 4
M 5	16 25 31	6° 3'40	4♎58	7°50	27°29	15°16	25°46	18°49	5°16	29°22	26°29	6°23	5° 2	18° 9	n.a.	M 5
T 6	16 29 27	7° 0'45	18°12	7°12	28°43	15°53	25°52	18°57	5°16	29°22	26°28	6°25	4°59	18°16	n.a.	T 6
W 7	16 33 24	7°57'51	1♏52	6°34	29°56	16°30	25°59	19° 4	5°17	29°21	26°27	6°R26	4°55	18°23	n.a.	W 7
T 8	16 37 20	8°54'58	15°59	5°57	1♋ 9	17° 7	26° 6	19°12	5°17	29°21	26°26	6°25	4°52	18°30	n.a.	T 8
F 9	16 41 17	9°52'04	0♐29	5°22	2°22	17°44	26°12	19°20	5°18	29°21	26°25	6°24	4°49	18°36	n.a.	F 9
S 10	16 45 13	10°49'11	15°18	4°49	3°35	18°21	26°19	19°28	5°18	29°20	26°25	6°20	4°46	18°43	n.a.	S 10
S 11	16 49 10	11°46'19	0♑17	4°19	4°48	18°58	26°26	19°35	5°19	29°20	26°24	6°16	4°43	18°50	n.a.	S 11
M12	16 53 7	12°43'27	15°19	3°52	6° 1	19°35	26°34	19°43	5°19	29°20	26°23	6°11	4°40	18°56	n.a.	M12
T 13	16 57 3	13°40'36	0♒14	3°29	7°14	20°12	26°41	19°51	5°19	29°20	26°22	6° 6	4°36	19° 3	n.a.	T 13
W14	17 1 0	14°37'46	14°54	3°11	8°27	20°49	26°48	19°58	5°19	29°20	26°21	6° 2	4°33	19°10	n.a.	W14
T 15	17 4 56	15°34'56	29°14	2°57	9°40	21°27	26°56	20° 6	5°19	29°19	26°20	5°59	4°30	19°17	n.a.	T 15
F 16	17 8 53	16°32'08	13♓12	2°49	10°53	22° 4	27° 4	20°14	5°20	29°19	26°19	5°D58	4°27	19°23	n.a.	F 16
S 17	17 12 49	17°29'20	26°48	2°D46	12° 6	22°41	27°11	20°22	5°R20	29°19	26°18	5°58	4°24	19°30	n.a.	S 17
S 18	17 16 46	18°26'34	10♈ 2	2°48	13°19	23°19	27°19	20°29	5°20	29°D19	26°18	5°59	4°20	19°37	n.a.	S 18
M19	17 20 43	19°23'48	22°57	2°57	14°32	23°56	27°27	20°37	5°20	29°19	26°17	6° 1	4°17	19°44	n.a.	M19
T 20	17 24 39	20°21'03	5♉37	3°11	15°45	24°33	27°36	20°45	5°19	29°19	26°16	6°R 1	4°14	19°50	n.a.	T 20
W21	17 28 36	21°18'20	18° 3	3°31	16°58	25°11	27°44	20°53	5°19	29°19	26°15	6° 0	4°11	19°57	n.a.	W21
T 22	17 32 32	22°15'38	0♊20	3°56	18°11	25°48	27°52	21° 1	5°19	29°20	26°14	5°58	4° 8	20° 4	n.a.	T 22
F 23	17 36 29	23°12'56	12°28	4°28	19°23	26°26	28° 1	21° 8	5°19	29°20	26°12	5°53	4° 5	20°10	n.a.	F 23
S 24	17 40 25	24°10'16	24°29	5° 6	20°36	27° 3	28°10	21°16	5°19	29°20	26°11	5°46	4° 1	20°17	n.a.	S 24
S 25	17 44 22	25° 7'36	6♋26	5°50	21°49	27°41	28°18	21°24	5°18	29°20	26°10	5°37	3°58	20°24	n.a.	S 25
M26	17 48 18	26° 4'58	18°19	6°40	23° 2	28°19	28°27	21°32	5°18	29°20	26° 9	5°28	3°55	20°31	n.a.	M26
T 27	17 52 15	27° 2'20	0♌10	7°35	24°15	28°56	28°36	21°39	5°17	29°21	26° 8	5°18	3°52	20°37	n.a.	T 27
W28	17 56 12	27°59'43	12° 2	8°36	25°28	29°34	28°45	21°47	5°17	29°21	26° 7	5°10	3°49	20°44	n.a.	W28
T 29	18 0 8	28°57'07	23°57	9°43	26°40	0♌12	28°54	21°55	5°16	29°21	26° 6	5° 2	3°46	20°51	n.a.	T 29
F 30	18 4 5	29♊54'32	5♍58	10♊55	27♋53	0♌50	29♌ 4	22♊ 2	5♓16	29♍22	26♑ 5	4♉57	3♉42	20♋57	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n54	21n22	5n10	19n 3	3s17	24n53	1n19	24n29	1n21	14n36	1n26	22n51	0s24	10s27	0s47	2n 5	2n 0	32s35	11s40	13n50	13n27	27n27		n.a.
F 2	21 6	17 7	4 53	18 45	3 30	24 58	1 21	24 25	1 20	14 34	1 26	22 52	0 24	10 27	0 47	2 5	2 0	32 35	11 41	13 50	13 26	27 26		n.a.
S 3	21 17	12 6	4 22	18 28	3 42	25 3	1 22	24 21	1 20	14 31	1 26	22 53	0 24	10 27	0 47	2 5	2 0	32 36	11 41	13 50	13 25	27 26		n.a.
S 4	21 27	6 31	3 39	18 11	3 54	25 7	1 23	24 17	1 20	14 29	1 25	22 53	0 24	10 26	0 47	2 5	2 0	32 36	11 41	13 50	13 24	27 25		n.a.
M 5	21 37	0 30	2 44	17 55	4 4	25 10	1 25	24 12	1 19	14 27	1 25	22 54	0 24	10 26	0 47	2 5	2 0	32 36	11 41	13 50	13 23	27 24		n.a.
T 6	21 47	5s44	1 38	17 41	4 12	25 12	1 26	24 8	1 19	14 24	1 25	22 55	0 24	10 26	0 47	2 5	2 0	32 37	11 42	13 51	13 22	27 24		n.a.
W 7	21 57	11 54	0 25	17 27	4 19	25 14	1 27	24 3	1 19	14 22	1 25	22 56	0 24	10 26	0 47	2 5	2 0	32 37	11 42	13 51	13 21	27 23		n.a.
T 8	22 6	17 41	0s52	17 16	4 25	25 15	1 29	23 58	1 18	14 19	1 25	22 56	0 24	10 26	0 47	2 5	2 0	32 38	11 42	13 51	13 20	27 22		n.a.
F 9	22 15	22 37	2 7	17 6	4 29	25 15	1 30	23 53	1 18	14 17	1 24	22 57	0 24	10 26	0 47	2 6	2 0	32 38	11 43	13 50	13 19	27 21		n.a.
S 10	22 23	26 12	3 16	16 57	4 31	25 14	1 31	23 47	1 18	14 14	1 24	22 58	0 24	10 26	0 47	2 6	2 0	32 39	11 43	13 49	13 17	27 21		n.a.
S 11	22 31	27 58	4 12	16 51	4 32	25 13	1 32	23 42	1 18	14 12	1 24	22 58	0 23	10 25	0 47	2 6	2 0	32 39	11 43	13 48	13 16	27 20		n.a.
M12	22 39	27 41	4 50	16 47	4 31	25 11	1 33	23 36	1 17	14 9	1 24	22 59	0 23	10 25	0 47	2 6	2 0	32 39	11 43	13 46	13 15	27 19		n.a.
T 13	22 46	25 24	5 9	16 45	4 29	25 8	1 33	23 30	1 17	14 6	1 23	23 0	0 23	10 25	0 47	2 6	2 0	32 40	11 44	13 45	13 14	27 18		n.a.
W14	22 53	21 28	5 7	16 45	4 25	25 4	1 34	23 24	1 17	14 3	1 23	23 1	0 23	10 25	0 47	2 6	2 0	32 40	11 44	13 43	13 13	27 18		n.a.
T 15	22 59	16 20	4 45	16 47	4 20	25 0	1 35	23 18	1 16	14 0	1 23	23 1	0 23	10 25	0 47	2 6	1 59	32 41	11 44	13 42	13 12	27 17		n.a.
F 16	23 5	10 29	4 7	16 52	4 14	24 55	1 36	23 11	1 16	13 58	1 23	23 2	0 23	10 25	0 47	2 6	1 59	32 41	11 44	13 42	13 11	27 16		n.a.
S 17	23 11	4 17	3 16	16 59	4 6	24 49	1 36	23 5	1 16	13 55	1 23	23 3	0 23	10 25	0 47	2 6	1 59	32 42	11 45	13 42	13 10	27 15		n.a.
S 18	23 16	1n57	2 16	17 8	3 58	24 42	1 37	22 58	1 15	13 52	1 22	23 3	0 23	10 25	0 47	2 6	1 59	32 42	11 45	13 42	13 9	27 15		n.a.
M19	23 21	7 58	1 10	17 19	3 48	24 35	1 37	22 51	1 15	13 49	1 22	23 4	0 23	10 25	0 47	2 6	1 59	32 42	11 45	13 43	13 8	27 14		n.a.
T 20	23 25	13 33	0 2	17 32	3 37	24 27	1 38	22 44	1 15	13 46	1 22	23 4	0 23	10 25	0 47	2 5	1 59	32 43	11 45	13 43	13 7	27 13		n.a.
W21	23 29	18 29	1n 5	17 47	3 26	24 18	1 38	22 37	1 14	13 43	1 22	23 5	0 23	10 26	0 47	2 5	1 59	32 43	11 46	13 43	13 6	27 12		n.a.
T 22	23 33	22 35	2 7	18 4	3 14	24 9	1 38	22 30	1 14	13 39	1 22	23 6	0 22	10 26	0 48	2 5	1 59	32 44	11 46	13 42	13 4	27 11		n.a.
F 23	23 36	25 38	3 3	18 23	3 1	23 58	1 38	22 22	1 14	13 36	1 22	23 6	0 22	10 26	0 48	2 5	1 59	32 44	11 46	13 40	13 3	27 11		n.a.
S 24	23 39	27 30	3 51	18 42	2 47	23 48	1 38	22 14	1 13	13 33	1 21	23 7	0 22	10 26	0 48	2 5	1 59	32 45	11 46	13 38	13 2	27 10		n.a.
S 25	23 41	28 4	4 27	19 4	2 34	23 36	1 38	22 7	1 13	13 30	1 21	23 8	0 22	10 26	0 48	2 5	1 59	32 45	11 46	13 35	13 1	27 9		n.a.
M26	23 43	27 20	4 52	19 26	2 20	23 24	1 38	21 59	1 13	13 26	1 21	23 8	0 22	10 26	0 48	2 5	1 59	32 45	11 47	13 32	13 0	27 8		n.a.
T 27	23 45	25 21	5 4	19 49	2 5	23 11	1 38	21 50	1 12	13 23	1 21	23 9	0 22	10 26	0 48	2 5	1 59	32 46	11 47	13 29	12 59	27 7		n.a.
W28	23 46	22 16	5 3	20 13	1 51	22 57	1 38	21 42	1 12	13 20	1 21	23 9	0 22	10 27	0 48	2 4	1 59	32 46	11 47	13 26	12 58	27 6		n.a.
T 29	23 46	18 16	4 49	20 38	1 36	22 43	1 38	21 33	1 12	13 16	1 20	23 10	0 22	10 27	0 48	2 4	1 59	32 47	11 47	13 23	12 57	27 5		n.a.
F 30	23n47	13n30	4n22	21n 3	1s22	22n28	1n37	21n25	1n11	13n13	1n20	23n10	0s22	10s27	0s48	2n 4	1n59	32s47	11s47	13n21	12n56	27n 4		n.a.

Julian Day Number = 1474300.5, Delta T = 05h28m14s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'04, Lahiri = -13°18'03 Julian Calendar 1 June 677 BCE == Greg. Calendar 25 May 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

JULY 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 8 1	0♋51'58	18♍ 9	12♊12	29♋ 6	1♌28	29♌13	22♊10	5°R15	29♍22	26°R 4	4°R55	3♉39	21♋ 4	n.a.	S 1
S 2	18 11 58	1°49'24	0♎36	13°34	0♌19	2° 6	29°23	22°18	5♓15	29°22	26♑ 3	4°D54	3°36	21°11	n.a.	S 2
M 3	18 15 54	2°46'52	13°21	15° 1	1°31	2°44	29°32	22°26	5°14	29°23	26° 1	4♉54	3°33	21°18	n.a.	M 3
T 4	18 19 51	3°44'20	26°30	16°33	2°44	3°22	29°42	22°33	5°13	29°23	26° 0	4°55	3°30	21°24	n.a.	T 4
W 5	18 23 47	4°41'49	10♏ 6	18° 9	3°56	4° 0	29°52	22°41	5°12	29°24	25°59	4°R55	3°26	21°31	n.a.	W 5
T 6	18 27 44	5°39'20	24°11	19°50	5° 9	4°38	0♍ 1	22°49	5°11	29°25	25°58	4°53	3°23	21°38	n.a.	T 6
F 7	18 31 41	6°36'52	8♐44	21°34	6°22	5°16	0°11	22°56	5°10	29°25	25°57	4°50	3°20	21°44	n.a.	F 7
S 8	18 35 37	7°34'24	23°40	23°21	7°34	5°54	0°21	23° 4	5°10	29°26	25°55	4°44	3°17	21°51	n.a.	S 8
S 9	18 39 34	8°31'59	8♑52	25°12	8°47	6°32	0°32	23°11	5° 9	29°26	25°54	4°36	3°14	21°58	n.a.	S 9
M10	18 43 30	9°29'34	24°11	27° 5	9°59	7°10	0°42	23°19	5° 8	29°27	25°53	4°26	3°11	22° 5	n.a.	M10
T 11	18 47 27	10°27'11	9♒23	29° 0	11°12	7°49	0°52	23°27	5° 6	29°28	25°52	4°17	3° 7	22°11	n.a.	T 11
W12	18 51 23	11°24'50	24°20	0♋57	12°24	8°27	1° 2	23°34	5° 5	29°29	25°51	4° 9	3° 4	22°18	n.a.	W12
T 13	18 55 20	12°22'30	8♓54	2°56	13°36	9° 5	1°13	23°42	5° 4	29°29	25°49	4° 3	3° 1	22°25	n.a.	T 13
F 14	18 59 17	13°20'11	23° 0	4°56	14°49	9°44	1°24	23°49	5° 3	29°30	25°48	3°59	2°58	22°32	n.a.	F 14
S 15	19 3 13	14°17'55	6♈38	6°56	16° 1	10°22	1°34	23°57	5° 2	29°31	25°47	3°57	2°55	22°38	n.a.	S 15
S 16	19 7 10	15°15'40	19°50	8°57	17°13	11° 1	1°45	24° 4	5° 0	29°32	25°46	3°D57	2°52	22°45	n.a.	S 16
M17	19 11 6	16°13'28	2♉40	10°58	18°26	11°39	1°56	24°11	4°59	29°33	25°44	3°R58	2°48	22°52	n.a.	M17
T 18	19 15 3	17°11'17	15°11	12°59	19°38	12°18	2° 7	24°19	4°58	29°34	25°43	3°57	2°45	22°58	n.a.	T 18
W19	19 18 59	18° 9'08	27°27	15° 0	20°50	12°56	2°18	24°26	4°56	29°35	25°42	3°55	2°42	23° 5	n.a.	W19
T 20	19 22 56	19° 7'01	9♊33	17° 0	22° 2	13°35	2°29	24°33	4°55	29°36	25°40	3°50	2°39	23°12	n.a.	T 20
F 21	19 26 52	20° 4'56	21°32	19° 0	23°15	14°14	2°40	24°41	4°53	29°37	25°39	3°43	2°36	23°19	n.a.	F 21
S 22	19 30 49	21° 2'52	3♋27	20°59	24°27	14°53	2°51	24°48	4°52	29°38	25°38	3°32	2°32	23°25	n.a.	S 22
S 23	19 34 46	22° 0'51	15°20	22°56	25°39	15°31	3° 2	24°55	4°50	29°39	25°37	3°20	2°29	23°32	n.a.	S 23
M24	19 38 42	22°58'51	27°11	24°53	26°51	16°10	3°13	25° 2	4°49	29°40	25°35	3° 6	2°26	23°39	n.a.	M24
T 25	19 42 39	23°56'53	9♌ 4	26°49	28° 3	16°49	3°25	25°10	4°47	29°41	25°34	2°52	2°23	23°46	n.a.	T 25
W26	19 46 35	24°54'56	20°58	28°44	29°15	17°28	3°36	25°17	4°45	29°42	25°33	2°39	2°20	23°52	n.a.	W26
T 27	19 50 32	25°53'01	2♍57	0♌37	0♍27	18° 7	3°48	25°24	4°44	29°44	25°31	2°28	2°17	23°59	n.a.	T 27
F 28	19 54 28	26°51'08	15° 1	2°29	1°39	18°46	3°59	25°31	4°42	29°45	25°30	2°20	2°13	24° 6	n.a.	F 28
S 29	19 58 25	27°49'16	27°15	4°20	2°51	19°25	4°11	25°38	4°40	29°46	25°29	2°14	2°10	24°12	n.a.	S 29
S 30	20 2 21	28°47'26	9♎41	6°10	4° 3	20° 4	4°23	25°45	4°38	29°47	25°27	2°12	2° 7	24°19	n.a.	S 30
M31	20 6 18	29♋45'38	22♎24	7♌59	5♍14	20♌43	4♍34	25♊52	4♓36	29♍49	25♑26	2♉11	2♉ 4	24♋26	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n47	8n10	3n43	21n28	1s 8	22n12	1n37	21n16	1n11	13n 9	1n20	23n11	0s22	10s27	0s48	2n 4	1n58	32s47	11s48	13n20	12n55	27n 4		n.a.
S 2	23 46	2 24	2 53	21 52	0 53	21 56	1 36	21 7	1 10	13 6	1 20	23 12	0 22	10 28	0 48	2 3	1 58	32 48	11 48	13 20	12 54	27 3		n.a.
M 3	23 45	3s37	1 53	22 16	0 39	21 39	1 36	20 58	1 10	13 2	1 20	23 12	0 21	10 28	0 48	2 3	1 58	32 48	11 48	13 20	12 52	27 2		n.a.
T 4	23 43	9 40	0 45	22 40	0 26	21 22	1 35	20 49	1 10	12 59	1 20	23 13	0 21	10 28	0 48	2 3	1 58	32 49	11 48	13 21	12 51	27 1		n.a.
W 5	23 42	15 29	0s28	23 2	0 12	21 4	1 34	20 39	1 9	12 55	1 19	23 13	0 21	10 29	0 48	2 3	1 58	32 49	11 48	13 21	12 50	27 0		n.a.
T 6	23 39	20 43	1 41	23 23	0n 0	20 45	1 33	20 30	1 9	12 51	1 19	23 14	0 21	10 29	0 48	2 2	1 58	32 49	11 48	13 20	12 49	26 59		n.a.
F 7	23 37	24 52	2 50	23 43	0 13	20 26	1 32	20 20	1 9	12 48	1 19	23 14	0 21	10 29	0 48	2 2	1 58	32 50	11 48	13 19	12 48	26 58		n.a.
S 8	23 34	27 26	3 49	24 1	0 24	20 7	1 31	20 10	1 8	12 44	1 19	23 15	0 21	10 30	0 48	2 2	1 58	32 50	11 49	13 17	12 47	26 57		n.a.
S 9	23 30	28 1	4 33	24 17	0 35	19 46	1 30	20 0	1 8	12 40	1 19	23 15	0 21	10 30	0 48	2 1	1 58	32 51	11 49	13 14	12 46	26 56		n.a.
M10	23 26	26 28	4 58	24 30	0 46	19 25	1 29	19 50	1 8	12 36	1 19	23 16	0 21	10 31	0 48	2 1	1 58	32 51	11 49	13 11	12 45	26 55		n.a.
T 11	23 22	22 59	5 2	24 42	0 55	19 4	1 28	19 39	1 7	12 32	1 19	23 16	0 21	10 31	0 48	2 1	1 58	32 51	11 49	13 8	12 44	26 54		n.a.
W12	23 17	18 3	4 44	24 50	1 4	18 42	1 27	19 29	1 7	12 29	1 18	23 16	0 21	10 31	0 48	2 0	1 58	32 52	11 49	13 5	12 43	26 53		n.a.
T 13	23 12	12 11	4 9	24 56	1 12	18 20	1 25	19 18	1 6	12 25	1 18	23 17	0 21	10 32	0 48	2 0	1 58	32 52	11 49	13 3	12 41	26 52		n.a.
F 14	23 6	5 51	3 19	25 0	1 19	17 57	1 24	19 7	1 6	12 21	1 18	23 17	0 21	10 32	0 48	2 0	1 58	32 53	11 49	13 2	12 40	26 51		n.a.
S 15	23 0	0n32	2 20	25 1	1 25	17 34	1 22	18 57	1 6	12 17	1 18	23 18	0 21	10 33	0 48	1 59	1 58	32 53	11 50	13 1	12 39	26 50		n.a.
S 16	22 53	6 43	1 14	24 59	1 31	17 10	1 21	18 45	1 5	12 13	1 18	23 18	0 20	10 33	0 48	1 59	1 58	32 53	11 50	13 1	12 38	26 49		n.a.
M17	22 47	12 28	0 7	24 54	1 35	16 46	1 19	18 34	1 5	12 9	1 18	23 19	0 20	10 34	0 48	1 58	1 57	32 54	11 50	13 1	12 37	26 48		n.a.
T 18	22 39	17 34	0n59	24 47	1 39	16 21	1 17	18 23	1 5	12 5	1 18	23 19	0 20	10 34	0 48	1 58	1 57	32 54	11 50	13 1	12 36	26 47		n.a.
W19	22 32	21 50	2 1	24 37	1 42	15 56	1 15	18 11	1 4	12 0	1 17	23 19	0 20	10 35	0 48	1 58	1 57	32 54	11 50	13 0	12 35	26 46		n.a.
T 20	22 24	25 6	2 56	24 25	1 45	15 31	1 13	18 0	1 4	11 56	1 17	23 20	0 20	10 36	0 48	1 57	1 57	32 55	11 50	12 58	12 34	26 45		n.a.
F 21	22 15	27 13	3 43	24 10	1 46	15 5	1 11	17 48	1 3	11 52	1 17	23 20	0 20	10 36	0 49	1 57	1 57	32 55	11 50	12 56	12 33	26 44		n.a.
S 22	22 6	28 4	4 20	23 53	1 47	14 39	1 9	17 36	1 3	11 48	1 17	23 21	0 20	10 37	0 49	1 56	1 57	32 55	11 50	12 52	12 32	26 43		n.a.
S 23	21 57	27 36	4 45	23 34	1 48	14 12	1 7	17 24	1 3	11 44	1 17	23 21	0 20	10 37	0 49	1 56	1 57	32 56	11 50	12 48	12 30	26 42		n.a.
M24	21 47	25 53	4 58	23 13	1 47	13 45	1 5	17 12	1 2	11 39	1 17	23 21	0 20	10 38	0 49	1 55	1 57	32 56	11 50	12 43	12 29	26 41		n.a.
T 25	21 37	23 1	4 58	22 50	1 46	13 18	1 3	17 0	1 2	11 35	1 17	23 22	0 20	10 39	0 49	1 55	1 57	32 56	11 50	12 38	12 28	26 40		n.a.
W26	21 27	19 12	4 45	22 25	1 45	12 50	1 0	16 47	1 1	11 31	1 17	23 22	0 20	10 39	0 49	1 54	1 57	32 57	11 50	12 34	12 27	26 39		n.a.
T 27	21 16	14 35	4 19	21 59	1 43	12 22	0 58	16 35	1 1	11 26	1 16	23 22	0 20	10 40	0 49	1 54	1 57	32 57	11 50	12 30	12 26	26 38		n.a.
F 28	21 5	9 22	3 41	21 31	1 41	11 54	0 55	16 22	1 1	11 22	1 16	23 23	0 20	10 41	0 49	1 53	1 57	32 57	11 50	12 27	12 25	26 36		n.a.
S 29	20 53	3 45	2 53	21 2	1 38	11 25	0 53	16 9	1 0	11 18	1 16	23 23	0 19	10 41	0 49	1 53	1 57	32 58	11 51	12 25	12 24	26 35		n.a.
S 30	20 42	2s 7	1 56	20 31	1 34	10 57	0 50	15 56	1 0	11 13	1 16	23 23	0 19	10 42	0 49	1 52	1 57	32 58	11 51	12 24	12 23	26 34		n.a.
M31	20n29	8s 3	0n51	19n59	1n30	10n27	0n48	15n43	0n59	11n 9	1n16	23n23	0s19	10s43	0s49	1n51	1n57	32s58	11s51	12n24	12n22	26n33		n.a.

Julian Day Number = 1474330.5, Delta T = 05h28m12s
Ecliptic obliquity = 23°46'43, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°25'00, Lahiri = -13°17'59 Julian Calendar 1 July 677 BCE == Greg. Calendar 24 June 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

AUGUST 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 10 14	0♌43'51	5♏28	9♌46	6♍26	21♌23	4♍46	25♊58	4°R35	29♍50	25°R25	2°R11	2♉ 1	24♋33	n.a.	T 1
W 2	20 14 11	1°42'05	18°56	11°32	7°38	22° 2	4°58	26° 5	4♓33	29°51	25♂24	2♉10	1°57	24°39	n.a.	W 2
T 3	20 18 8	2°40'22	2♐51	13°17	8°50	22°41	5°10	26°12	4°31	29°53	25°22	2° 8	1°54	24°46	n.a.	T 3
F 4	20 22 4	3°38'40	17°15	15° 1	10° 1	23°20	5°22	26°19	4°29	29°54	25°21	2° 4	1°51	24°53	n.a.	F 4
S 5	20 26 1	4°37'00	2♑ 4	16°44	11°13	24° 0	5°34	26°26	4°27	29°56	25°20	1°57	1°48	24°59	n.a.	S 5
S 6	20 29 57	5°35'22	17°13	18°25	12°24	24°39	5°46	26°32	4°25	29°57	25°19	1°47	1°45	25° 6	n.a.	S 6
M 7	20 33 54	6°33'45	2♒32	20° 5	13°36	25°19	5°58	26°39	4°23	29°58	25°17	1°37	1°42	25°13	n.a.	M 7
T 8	20 37 50	7°32'11	17°49	21°45	14°47	25°58	6°10	26°45	4°21	29°59	25°16	1°26	1°38	25°20	n.a.	T 8
W 9	20 41 47	8°30'38	2♓54	23°23	15°59	26°38	6°23	26°52	4°19	0♎ 2	25°15	1°16	1°35	25°26	n.a.	W 9
T 10	20 45 43	9°29'08	17°38	25° 0	17°10	27°17	6°35	26°58	4°16	0° 3	25°13	1° 8	1°32	25°33	n.a.	T 10
F 11	20 49 40	10°27'40	1♈53	26°35	18°21	27°57	6°47	27° 5	4°14	0° 5	25°12	1° 3	1°29	25°40	n.a.	F 11
S 12	20 53 37	11°26'14	15°39	28°10	19°33	28°37	7° 0	27°11	4°12	0° 6	25°11	1° 1	1°26	25°47	n.a.	S 12
S 13	20 57 33	12°24'50	28°56	29°44	20°44	29°16	7°12	27°17	4°10	0° 8	25°10	1°D 0	1°23	25°53	n.a.	S 13
M14	21 1 30	13°23'29	11♉47	1♍17	21°55	29°56	7°25	27°23	4° 8	0°10	25° 9	1°R 0	1°19	26° 0	n.a.	M14
T 15	21 5 26	14°22'10	24°17	2°48	23° 6	0♍36	7°37	27°29	4° 6	0°11	25° 7	1° 0	1°16	26° 7	n.a.	T 15
W16	21 9 23	15°20'54	6♊31	4°19	24°17	1°16	7°50	27°36	4° 3	0°13	25° 6	0°58	1°13	26°13	n.a.	W16
T 17	21 13 19	16°19'40	18°33	5°49	25°28	1°56	8° 2	27°42	4° 1	0°15	25° 5	0°54	1°10	26°20	n.a.	T 17
F 18	21 17 16	17°18'28	0♋29	7°17	26°39	2°36	8°15	27°48	3°59	0°16	25° 4	0°47	1° 7	26°27	n.a.	F 18
S 19	21 21 12	18°17'19	12°20	8°45	27°50	3°16	8°27	27°53	3°56	0°18	25° 3	0°37	1° 3	26°34	n.a.	S 19
S 20	21 25 9	19°16'12	24°11	10°11	29° 1	3°56	8°40	27°59	3°54	0°20	25° 1	0°26	1° 0	26°40	n.a.	S 20
M21	21 29 6	20°15'07	6♌ 4	11°36	0♎12	4°36	8°53	28° 5	3°52	0°22	25° 0	0°13	0°57	26°47	n.a.	M21
T 22	21 33 2	21°14'04	18° 1	13° 0	1°22	5°16	9° 6	28°11	3°49	0°24	24°59	29♈59	0°54	26°54	n.a.	T 22
W23	21 36 59	22°13'03	0♍ 2	14°23	2°33	5°56	9°18	28°16	3°47	0°25	24°58	29°47	0°51	27° 1	n.a.	W23
T 24	21 40 55	23°12'05	12° 9	15°45	3°43	6°37	9°31	28°22	3°45	0°27	24°57	29°37	0°48	27° 7	n.a.	T 24
F 25	21 44 52	24°11'08	24°23	17° 6	4°54	7°17	9°44	28°27	3°42	0°29	24°56	29°29	0°44	27°14	n.a.	F 25
S 26	21 48 48	25°10'14	6♎46	18°25	6° 4	7°57	9°57	28°33	3°40	0°31	24°55	29°24	0°41	27°21	n.a.	S 26
S 27	21 52 45	26° 9'21	19°20	19°43	7°15	8°38	10°10	28°38	3°37	0°33	24°54	29°21	0°38	27°27	n.a.	S 27
M28	21 56 41	27° 8'31	2♏ 8	21° 0	8°25	9°18	10°23	28°43	3°35	0°35	24°53	29°D21	0°35	27°34	n.a.	M28
T 29	22 0 38	28° 7'42	15°13	22°15	9°35	9°59	10°36	28°49	3°33	0°37	24°52	29°22	0°32	27°41	n.a.	T 29
W30	22 4 34	29° 6'56	28°37	23°29	10°46	10°39	10°49	28°54	3°30	0°39	24°50	29°R22	0°29	27°48	n.a.	W30
T 31	22 8 31	0♍ 6'11	12♐24	24♍41	11♎56	11♍20	11♍ 2	28♊59	3♓28	0♎41	24♑49	29♈21	0♉25	27♋54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20n17	13s48	0s17	19n26	1n26	9n58	0n45	15n30	0n59	11n 4	1n16	23n24	0s19	10s43	0s49	1n51	1n57	32s58	11s51	12n24	12n20	26n32			n.a.
W 2	20 4	19 6	1 27	18 53	1 22	9 28	0 42	15 17	0 58	11 0	1 16	23 24	0 19	10 44	0 49	1 50	1 57	32 59	11 51	12 24	12 19	26 31			n.a.
T 3	19 50	23 33	2 34	18 18	1 17	8 59	0 39	15 4	0 58	10 55	1 16	23 24	0 19	10 45	0 49	1 50	1 57	32 59	11 51	12 23	12 18	26 30			n.a.
F 4	19 37	26 42	3 34	17 42	1 12	8 28	0 36	14 50	0 58	10 51	1 16	23 25	0 19	10 46	0 49	1 49	1 56	32 59	11 51	12 22	12 17	26 28			n.a.
S 5	19 23	28 6	4 21	17 6	1 7	7 58	0 33	14 36	0 57	10 46	1 16	23 25	0 19	10 46	0 49	1 48	1 56	32 59	11 51	12 19	12 16	26 27			n.a.
S 6	19 8	27 27	4 51	16 29	1 1	7 28	0 30	14 23	0 57	10 41	1 15	23 25	0 19	10 47	0 49	1 48	1 56	33 0	11 51	12 16	12 15	26 26			n.a.
M 7	18 54	24 44	5 0	15 52	0 55	6 57	0 27	14 9	0 56	10 37	1 15	23 25	0 19	10 48	0 49	1 47	1 56	33 0	11 51	12 12	12 14	26 25			n.a.
T 8	18 39	20 16	4 48	15 14	0 49	6 26	0 24	13 55	0 56	10 32	1 15	23 26	0 19	10 49	0 49	1 46	1 56	33 0	11 51	12 8	12 13	26 24			n.a.
W 9	18 23	14 33	4 16	14 35	0 42	5 55	0 21	13 41	0 55	10 28	1 15	23 26	0 19	10 49	0 49	1 46	1 56	33 0	11 51	12 5	12 12	26 23			n.a.
T 10	18 8	8 8	3 28	13 56	0 36	5 24	0 17	13 27	0 55	10 23	1 15	23 26	0 19	10 50	0 49	1 45	1 56	33 1	11 51	12 2	12 10	26 21			n.a.
F 11	17 52	1 29	2 27	13 17	0 29	4 53	0 14	13 12	0 55	10 18	1 15	23 26	0 19	10 51	0 49	1 44	1 56	33 1	11 51	12 0	12 9	26 20			n.a.
S 12	17 36	5n 1	1 20	12 37	0 22	4 22	0 11	12 58	0 54	10 13	1 15	23 26	0 18	10 52	0 49	1 44	1 56	33 1	11 50	11 59	12 8	26 19			n.a.
S 13	17 19	11 5	0 11	11 58	0 15	3 50	0 7	12 44	0 54	10 9	1 15	23 27	0 18	10 53	0 49	1 43	1 56	33 1	11 50	11 59	12 7	26 18			n.a.
M14	17 2	16 29	0n57	11 18	0 8	3 18	0 4	12 29	0 53	10 4	1 15	23 27	0 18	10 54	0 49	1 42	1 56	33 1	11 50	11 59	12 6	26 16			n.a.
T 15	16 45	21 3	2 0	10 38	0 1	2 47	0 0	12 14	0 53	9 59	1 15	23 27	0 18	10 54	0 49	1 42	1 56	33 2	11 50	11 59	12 5	26 15			n.a.
W16	16 28	24 36	2 56	9 57	0s 7	2 15	0s 3	11 59	0 52	9 54	1 15	23 27	0 18	10 55	0 49	1 41	1 56	33 2	11 50	11 58	12 4	26 14			n.a.
T 17	16 10	26 59	3 43	9 17	0 14	1 43	0 7	11 45	0 52	9 49	1 15	23 27	0 18	10 56	0 49	1 40	1 56	33 2	11 50	11 57	12 3	26 13			n.a.
F 18	15 52	28 7	4 21	8 37	0 22	1 11	0 10	11 30	0 51	9 45	1 15	23 28	0 18	10 57	0 49	1 39	1 56	33 2	11 50	11 54	12 1	26 11			n.a.
S 19	15 34	27 57	4 46	7 57	0 30	0 39	0 14	11 14	0 51	9 40	1 14	23 28	0 18	10 58	0 49	1 39	1 56	33 2	11 50	11 51	12 0	26 10			n.a.
S 20	15 15	26 29	4 59	7 17	0 37	0 8	0 18	10 59	0 50	9 35	1 14	23 28	0 18	10 59	0 49	1 38	1 56	33 3	11 50	11 47	11 59	26 9			n.a.
M21	14 56	23 51	4 59	6 37	0 45	0s24	0 22	10 44	0 50	9 30	1 14	23 28	0 18	11 0	0 49	1 37	1 56	33 3	11 50	11 42	11 58	26 8			n.a.
T 22	14 37	20 11	4 46	5 57	0 53	0 56	0 25	10 29	0 50	9 25	1 14	23 28	0 18	11 0	0 49	1 36	1 56	33 3	11 50	11 38	11 57	26 6			n.a.
W23	14 18	15 41	4 21	5 18	1 1	1 28	0 29	10 13	0 49	9 20	1 14	23 28	0 18	11 1	0 49	1 36	1 56	33 3	11 50	11 33	11 56	26 5			n.a.
T 24	13 59	10 32	3 43	4 39	1 8	2 0	0 33	9 58	0 49	9 15	1 14	23 28	0 18	11 2	0 49	1 35	1 56	33 3	11 50	11 30	11 55	26 4			n.a.
F 25	13 39	4 55	2 55	4 0	1 16	2 32	0 37	9 42	0 48	9 10	1 14	23 29	0 18	11 3	0 49	1 34	1 56	33 3	11 50	11 27	11 54	26 2			n.a.
S 26	13 19	0s56	1 57	3 22	1 24	3 4	0 41	9 26	0 48	9 5	1 14	23 29	0 18	11 4	0 49	1 33	1 56	33 3	11 49	11 25	11 53	26 1			n.a.
S 27	12 59	6 51	0 53	2 44	1 32	3 36	0 44	9 11	0 47	9 0	1 14	23 29	0 17	11 5	0 49	1 32	1 56	33 3	11 49	11 24	11 51	26 0			n.a.
M28	12 38	12 37	0s15	2 6	1 39	4 7	0 48	8 55	0 47	8 55	1 14	23 29	0 17	11 6	0 49	1 32	1 55	33 4	11 49	11 24	11 50	25 58			n.a.
T 29	12 18	17 58	1 24	1 29	1 47	4 39	0 52	8 39	0 46	8 50	1 14	23 29	0 17	11 7	0 49	1 31	1 55	33 4	11 49	11 24	11 49	25 57			n.a.
W30	11 57	22 34	2 30	0 53	1 54	5 11	0 56	8 23	0 46	8 45	1 14	23 29	0 17	11 8	0 49	1 30	1 55	33 4	11 49	11 24	11 48	25 56			n.a.
T 31	11n36	26s 3	3s29	0n17	2s 2	5s42	1s 0	8n 7	0n45	8n40	1n14	23n29	0s17	11s 8	0s49	1n29	1n55	33s 4	11s49	11n24	11n47	25n54			n.a.

Julian Day Number = 1474361.5, Delta T = 05h28m11s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'55, Lahiri = -13°17'55 Julian Calendar 1 Aug. 677 BCE == Greg. Calendar 25 July 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

SEPTEMBER 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 12 28	1♍ 5'28	26♐34	25♍51	13♎ 6	12♍ 0	11♍15	29♊ 4	3°R25	0♎43	24°R48	29°R19	0♉22	28♋ 1	n.a.	F 1
S 2	22 16 24	2° 4'47	11♑ 7	27° 0	14°16	12°41	11°28	29° 9	3♓23	0°45	24♑47	29♈14	0°19	28° 8	n.a.	S 2
S 3	22 20 21	3° 4'08	25°57	28° 6	15°25	13°22	11°41	29°13	3°21	0°47	24°47	29° 7	0°16	28°14	n.a.	S 3
M 4	22 24 17	4° 3'31	11♒ 0	29°11	16°35	14° 3	11°54	29°18	3°18	0°49	24°46	28°59	0°13	28°21	n.a.	M 4
T 5	22 28 14	5° 2'56	26° 5	0♎12	17°45	14°44	12° 7	29°23	3°16	0°51	24°45	28°50	0° 9	28°28	n.a.	T 5
W 6	22 32 10	6° 2'23	11♓ 2	1°12	18°54	15°24	12°20	29°27	3°13	0°53	24°44	28°42	0° 6	28°35	n.a.	W 6
T 7	22 36 7	7° 1'52	25°43	2° 8	20° 4	16° 5	12°33	29°32	3°11	0°55	24°43	28°36	0° 3	28°41	n.a.	T 7
F 8	22 40 3	8° 1'23	10♈ 1	3° 2	21°13	16°46	12°46	29°36	3° 8	0°57	24°42	28°33	29♈59	28°48	n.a.	F 8
S 9	22 44 0	9° 0'57	23°52	3°52	22°22	17°27	12°59	29°40	3° 6	0°59	24°41	28°D31	29°57	28°55	n.a.	S 9
S 10	22 47 57	10° 0'33	7♉14	4°39	23°32	18° 8	13°12	29°45	3° 4	1° 2	24°40	28°31	29°54	29° 2	n.a.	S 10
M11	22 51 53	11° 0'11	20°11	5°21	24°41	18°50	13°25	29°49	3° 1	1° 4	24°39	28°33	29°50	29° 8	n.a.	M11
T 12	22 55 50	11°59'52	2♊45	5°59	25°50	19°31	13°38	29°53	2°59	1° 6	24°39	28°34	29°47	29°15	n.a.	T 12
W13	22 59 46	12°59'36	15° 2	6°32	26°58	20°12	13°52	29°57	2°56	1° 8	24°38	28°R34	29°44	29°22	n.a.	W13
T 14	23 3 43	13°59'21	27° 5	7° 0	28° 7	20°53	14° 5	0♋ 1	2°54	1°10	24°37	28°33	29°41	29°28	n.a.	T 14
F 15	23 7 39	14°59'10	9♋ 0	7°22	29°16	21°35	14°18	0° 4	2°52	1°12	24°36	28°30	29°38	29°35	n.a.	F 15
S 16	23 11 36	15°59'00	20°52	7°38	0♏24	22°16	14°31	0° 8	2°49	1°14	24°36	28°25	29°35	29°42	n.a.	S 16
S 17	23 15 32	16°58'53	2♌44	7°46	1°33	22°57	14°44	0°12	2°47	1°17	24°35	28°19	29°31	29°49	n.a.	S 17
M18	23 19 29	17°58'48	14°39	7°R47	2°41	23°39	14°57	0°15	2°45	1°19	24°34	28°11	29°28	29°55	n.a.	M18
T 19	23 23 26	18°58'45	26°41	7°40	3°49	24°20	15°10	0°18	2°42	1°21	24°34	28° 4	29°25	0♌ 2	n.a.	T 19
W20	23 27 22	19°58'44	8♍51	7°25	4°57	25° 2	15°24	0°22	2°40	1°23	24°33	27°56	29°22	0° 9	n.a.	W20
T 21	23 31 19	20°58'45	21°10	7° 0	6° 5	25°44	15°37	0°25	2°38	1°25	24°32	27°50	29°19	0°16	n.a.	T 21
F 22	23 35 15	21°58'49	3♎39	6°27	7°13	26°25	15°50	0°28	2°35	1°28	24°32	27°46	29°15	0°22	n.a.	F 22
S 23	23 39 12	22°58'54	16°20	5°44	8°21	27° 7	16° 3	0°31	2°33	1°30	24°31	27°44	29°12	0°29	n.a.	S 23
S 24	23 43 8	23°59'01	29°11	4°53	9°28	27°49	16°16	0°34	2°31	1°32	24°31	27°D43	29° 9	0°36	n.a.	S 24
M25	23 47 5	24°59'10	12♏15	3°53	10°36	28°31	16°29	0°37	2°29	1°34	24°30	27°44	29° 6	0°42	n.a.	M25
T 26	23 51 1	25°59'21	25°32	2°46	11°43	29°13	16°42	0°39	2°27	1°37	24°30	27°45	29° 3	0°49	n.a.	T 26
W27	23 54 58	26°59'33	9♐ 3	1°34	12°50	29°55	16°55	0°42	2°24	1°39	24°29	27°47	29° 0	0°56	n.a.	W27
T 28	23 58 54	27°59'48	22°50	0°17	13°57	0♎37	17° 8	0°44	2°22	1°41	24°29	27°R48	28°56	1° 3	n.a.	T 28
F 29	0 2 51	29° 0'04	6♑52	28♍59	15° 3	1°19	17°21	0°47	2°20	1°43	24°28	27°48	28°53	1° 9	n.a.	F 29
S 30	0 6 48	0♎ 0'21	21♑ 8	27♍42	16♏10	2♎ 1	17♍34	0♋49	2♓18	1♎46	24♑28	27♈46	28♈50	1♌16	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n14	28s 1	4s17	0s18	2s 9	6s13	1s 4	7n51	0n45	8n35	1n14	23n29	0s17	11s 9	0s49	1n28	1n55	33s 4	11s49	11n23	11n46	25n53		n.a.
S 2	10 53	28 7	4 50	0 52	2 16	6 45	1 8	7 34	0 44	8 30	1 14	23 30	0 17	11 10	0 49	1 27	1 55	33 4	11 49	11 21	11 45	25 52		n.a.
S 3	10 31	26 14	5 5	1 25	2 23	7 16	1 12	7 18	0 44	8 25	1 14	23 30	0 17	11 11	0 49	1 27	1 55	33 4	11 48	11 19	11 43	25 50		n.a.
M 4	10 10	22 29	4 58	1 57	2 29	7 46	1 16	7 2	0 43	8 20	1 14	23 30	0 17	11 12	0 49	1 26	1 55	33 4	11 48	11 16	11 42	25 49		n.a.
T 5	9 48	17 15	4 32	2 28	2 36	8 17	1 20	6 45	0 43	8 15	1 14	23 30	0 17	11 13	0 49	1 25	1 55	33 4	11 48	11 13	11 41	25 47		n.a.
W 6	9 25	11 0	3 46	2 57	2 42	8 48	1 24	6 29	0 42	8 10	1 14	23 30	0 17	11 14	0 49	1 24	1 55	33 4	11 48	11 10	11 40	25 46		n.a.
T 7	9 3	4 16	2 47	3 25	2 48	9 18	1 28	6 12	0 42	8 5	1 14	23 30	0 17	11 15	0 49	1 23	1 55	33 4	11 48	11 8	11 39	25 45		n.a.
F 8	8 41	2n32	1 38	3 52	2 53	9 48	1 32	5 56	0 41	8 0	1 14	23 30	0 17	11 16	0 49	1 22	1 55	33 4	11 48	11 7	11 38	25 43		n.a.
S 9	8 18	9 0	0 25	4 16	2 58	10 18	1 36	5 39	0 41	7 55	1 14	23 30	0 17	11 16	0 49	1 21	1 55	33 4	11 47	11 6	11 37	25 42		n.a.
S 10	7 55	14 52	0n47	4 39	3 3	10 48	1 40	5 22	0 40	7 49	1 14	23 30	0 17	11 17	0 49	1 21	1 55	33 4	11 47	11 6	11 36	25 40		n.a.
M11	7 33	19 52	1 54	5 0	3 7	11 17	1 43	5 5	0 40	7 44	1 14	23 30	0 16	11 18	0 49	1 20	1 55	33 4	11 47	11 6	11 34	25 39		n.a.
T 12	7 10	23 51	2 54	5 19	3 10	11 47	1 47	4 49	0 39	7 39	1 14	23 30	0 16	11 19	0 49	1 19	1 55	33 4	11 47	11 7	11 33	25 37		n.a.
W13	6 46	26 38	3 44	5 34	3 13	12 16	1 51	4 32	0 39	7 34	1 14	23 30	0 16	11 20	0 49	1 18	1 55	33 4	11 47	11 7	11 32	25 36		n.a.
T 14	6 23	28 8	4 24	5 47	3 15	12 44	1 55	4 15	0 38	7 29	1 14	23 30	0 16	11 21	0 49	1 17	1 55	33 4	11 47	11 7	11 31	25 34		n.a.
F 15	6 0	28 19	4 51	5 57	3 16	13 13	1 59	3 58	0 38	7 24	1 14	23 31	0 16	11 22	0 49	1 16	1 55	33 4	11 46	11 6	11 30	25 33		n.a.
S 16	5 36	27 10	5 6	6 3	3 16	13 41	2 2	3 41	0 37	7 19	1 14	23 31	0 16	11 22	0 49	1 15	1 55	33 4	11 46	11 4	11 29	25 31		n.a.
S 17	5 13	24 49	5 8	6 6	3 15	14 9	2 6	3 24	0 37	7 14	1 14	23 31	0 16	11 23	0 49	1 14	1 55	33 4	11 46	11 1	11 28	25 30		n.a.
M18	4 49	21 23	4 56	6 4	3 13	14 36	2 10	3 6	0 36	7 8	1 14	23 31	0 16	11 24	0 49	1 13	1 55	33 4	11 46	10 59	11 26	25 29		n.a.
T 19	4 25	17 2	4 32	5 58	3 9	15 4	2 14	2 49	0 36	7 3	1 14	23 31	0 16	11 25	0 49	1 13	1 55	33 4	11 46	10 56	11 25	25 27		n.a.
W20	4 1	11 58	3 54	5 47	3 4	15 30	2 17	2 32	0 35	6 58	1 14	23 31	0 16	11 26	0 49	1 12	1 55	33 4	11 45	10 53	11 24	25 26		n.a.
T 21	3 37	6 23	3 6	5 32	2 57	15 57	2 21	2 15	0 35	6 53	1 14	23 31	0 16	11 27	0 49	1 11	1 55	33 4	11 45	10 51	11 23	25 24		n.a.
F 22	3 13	0 28	2 7	5 10	2 49	16 23	2 24	1 58	0 34	6 48	1 14	23 31	0 16	11 27	0 49	1 10	1 55	33 4	11 45	10 50	11 22	25 22		n.a.
S 23	2 49	5s34	1 2	4 44	2 39	16 49	2 28	1 40	0 33	6 43	1 14	23 31	0 16	11 28	0 49	1 9	1 55	33 3	11 45	10 49	11 21	25 21		n.a.
S 24	2 25	11 28	0s 8	4 12	2 26	17 14	2 31	1 23	0 33	6 38	1 14	23 31	0 16	11 29	0 49	1 8	1 55	33 3	11 45	10 49	11 20	25 19		n.a.
M25	2 1	16 58	1 19	3 35	2 12	17 39	2 34	1 6	0 32	6 32	1 14	23 31	0 15	11 30	0 49	1 7	1 55	33 3	11 44	10 49	11 18	25 18		n.a.
T 26	1 37	21 47	2 26	2 54	1 56	18 4	2 38	0 48	0 32	6 27	1 14	23 31	0 15	11 31	0 49	1 6	1 55	33 3	11 44	10 49	11 17	25 16		n.a.
W27	1 13	25 32	3 27	2 8	1 39	18 28	2 41	0 31	0 31	6 22	1 14	23 31	0 15	11 31	0 49	1 5	1 55	33 3	11 44	10 50	11 16	25 15		n.a.
T 28	0 48	27 51	4 17	1 20	1 20	18 51	2 44	0 13	0 31	6 17	1 14	23 31	0 15	11 32	0 49	1 4	1 55	33 3	11 44	10 50	11 15	25 13		n.a.
F 29	0 24	28 28	4 53	0 31	1 0	19 15	2 47	0s 4	0 30	6 12	1 14	23 31	0 15	11 33	0 49	1 4	1 55	33 3	11 44	10 50	11 14	25 12		n.a.
S 30	0s 0	27s13	5s11	0n19	0s40	19s37	2s50	0s22	0n30	6n 7	1n14	23n31	0s15	11s34	0s49	1n 3	1n55	33s 3	11s43	10n50	11n13	25n10		n.a.

Julian Day Number = 1474392.5, Delta T = 05h28m09s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'51, Lahiri = -13°17'51 Julian Calendar 1 Sept. 677 BCE == Greg. Calendar 25 Aug. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

OCTOBER 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 10 44	1♎ 0'40	5♒37	26°R27	17♏16	2♎43	17♍47	0♋51	2°R16	1♎48	24°R27	27°R44	28♈47	1♌23	n.a.	S 1
M 2	0 14 41	2° 1'00	20°13	25♍19	18°22	3°25	18° 0	0°53	2♓14	1°50	24♉27	27♈40	28°44	1°30	n.a.	M 2
T 3	0 18 37	3° 1'22	4♓52	24°18	19°28	4° 7	18°13	0°55	2°12	1°52	24°27	27°37	28°40	1°36	n.a.	T 3
W 4	0 22 34	4° 1'46	19°26	23°26	20°34	4°49	18°26	0°57	2°10	1°55	24°26	27°33	28°37	1°43	n.a.	W 4
T 5	0 26 30	5° 2'11	3♈49	22°45	21°40	5°32	18°39	0°58	2° 8	1°57	24°26	27°31	28°34	1°50	n.a.	T 5
F 6	0 30 27	6° 2'39	17°55	22°16	22°45	6°14	18°52	1° 0	2° 6	1°59	24°26	27°29	28°31	1°56	n.a.	F 6
S 7	0 34 23	7° 3'07	1♉40	21°58	23°50	6°57	19° 5	1° 1	2° 4	2° 1	24°26	27°D29	28°28	2° 3	n.a.	S 7
S 8	0 38 20	8° 3'38	15° 2	21°D52	24°55	7°39	19°17	1° 3	2° 3	2° 4	24°25	27°30	28°25	2°10	n.a.	S 8
M 9	0 42 17	9° 4'11	28° 1	21°57	25°59	8°22	19°30	1° 4	2° 1	2° 6	24°25	27°31	28°21	2°17	n.a.	M 9
T 10	0 46 13	10° 4'46	10♊40	22°13	27° 4	9° 4	19°43	1° 5	1°59	2° 8	24°25	27°33	28°18	2°23	n.a.	T 10
W11	0 50 10	11° 5'22	23° 0	22°38	28° 8	9°47	19°56	1° 6	1°57	2°10	24°25	27°34	28°15	2°30	n.a.	W11
T 12	0 54 6	12° 6'01	5♋ 6	23°12	29°12	10°29	20° 8	1° 7	1°56	2°13	24°25	27°35	28°12	2°37	n.a.	T 12
F 13	0 58 3	13° 6'41	17° 4	23°55	0♐15	11°12	20°21	1° 8	1°54	2°15	24°25	27°R35	28° 9	2°43	n.a.	F 13
S 14	1 1 59	14° 7'23	28°56	24°45	1°18	11°55	20°34	1° 9	1°52	2°17	24°25	27°34	28° 6	2°50	n.a.	S 14
S 15	1 5 56	15° 8'07	10♌49	25°41	2°21	12°38	20°46	1° 9	1°51	2°19	24°D25	27°33	28° 2	2°57	n.a.	S 15
M16	1 9 52	16° 8'53	22°46	26°42	3°24	13°21	20°59	1°10	1°49	2°21	24°25	27°32	27°59	3° 4	n.a.	M16
T 17	1 13 49	17° 9'40	4♍52	27°49	4°26	14° 4	21°11	1°10	1°48	2°24	24°25	27°30	27°56	3°10	n.a.	T 17
W18	1 17 46	18°10'29	17° 9	28°59	5°29	14°47	21°24	1°11	1°46	2°26	24°25	27°29	27°53	3°17	n.a.	W18
T 19	1 21 42	19°11'19	29°39	0♎13	6°30	15°30	21°36	1°11	1°45	2°28	24°25	27°27	27°50	3°24	n.a.	T 19
F 20	1 25 39	20°12'11	12♎24	1°30	7°32	16°13	21°48	1°R11	1°43	2°30	24°25	27°27	27°46	3°31	n.a.	F 20
S 21	1 29 35	21°13'04	25°25	2°50	8°33	16°56	22° 1	1°11	1°42	2°32	24°25	27°D26	27°43	3°37	n.a.	S 21
S 22	1 33 32	22°13'59	8♏40	4°12	9°33	17°39	22°13	1°10	1°41	2°34	24°25	27°27	27°40	3°44	n.a.	S 22
M23	1 37 28	23°14'55	22° 9	5°36	10°34	18°22	22°25	1°10	1°39	2°37	24°25	27°27	27°37	3°51	n.a.	M23
T 24	1 41 25	24°15'52	5♐51	7° 1	11°33	19° 6	22°37	1°10	1°38	2°39	24°26	27°27	27°34	3°57	n.a.	T 24
W25	1 45 21	25°16'50	19°42	8°28	12°33	19°49	22°49	1° 9	1°37	2°41	24°26	27°28	27°31	4° 4	n.a.	W25
T 26	1 49 18	26°17'49	3♑42	9°55	13°32	20°32	23° 1	1° 8	1°36	2°43	24°26	27°28	27°27	4°11	n.a.	T 26
F 27	1 53 15	27°18'49	17°48	11°24	14°30	21°16	23°13	1° 8	1°35	2°45	24°26	27°28	27°24	4°18	n.a.	F 27
S 28	1 57 11	28°19'50	1♒59	12°54	15°28	21°59	23°25	1° 7	1°34	2°47	24°27	27°28	27°21	4°24	n.a.	S 28
S 29	2 1 8	29°20'52	16°12	14°24	16°26	22°43	23°37	1° 6	1°33	2°49	24°27	27°28	27°18	4°31	n.a.	S 29
M30	2 5 4	0♏21'54	0♓25	15°54	17°23	23°26	23°49	1° 5	1°32	2°51	24°28	27°28	27°15	4°38	n.a.	M30
T 31	2 9 1	1♏22'57	14♓34	17♎25	18♐19	24♎10	24♍ 1	1♋ 4	1♓31	2♎53	24♑28	27♈28	27♈12	4♌45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s24	24s 8	5s10	1n 8	0s19	20s 0	2s53	0s39	0n29	6n 2	1n14	23n32	0s15	11s34	0s49	1n 2	1n55	33s 2	11s43	10n49	11n12	25n 8			n.a.
M 2	0 49	19 31	4 49	1 55	0n 1	20 21	2 56	0 57	0 28	5 57	1 14	23 32	0 15	11 35	0 49	1 1	1 55	33 2	11 43	10 48	11 10	25 7			n.a.
T 3	1 13	13 44	4 10	2 37	0 21	20 43	2 59	1 14	0 28	5 51	1 14	23 32	0 15	11 36	0 49	1 0	1 55	33 2	11 43	10 46	11 9	25 5			n.a.
W 4	1 37	7 13	3 14	3 15	0 40	21 4	3 2	1 32	0 27	5 46	1 14	23 32	0 15	11 36	0 49	0 59	1 55	33 2	11 42	10 45	11 8	25 4			n.a.
T 5	2 2	0 24	2 7	3 47	0 57	21 24	3 4	1 49	0 27	5 41	1 14	23 32	0 15	11 37	0 49	0 58	1 55	33 2	11 42	10 44	11 7	25 2			n.a.
F 6	2 26	6n19	0 52	4 13	1 13	21 44	3 7	2 7	0 26	5 36	1 14	23 32	0 15	11 38	0 49	0 57	1 55	33 2	11 42	10 44	11 6	25 0			n.a.
S 7	2 50	12 35	0n23	4 33	1 27	22 3	3 9	2 24	0 26	5 31	1 14	23 32	0 15	11 38	0 49	0 56	1 55	33 1	11 42	10 43	11 5	24 59			n.a.
S 8	3 14	18 5	1 35	4 47	1 39	22 21	3 12	2 42	0 25	5 26	1 14	23 32	0 15	11 39	0 49	0 55	1 55	33 1	11 41	10 44	11 4	24 57			n.a.
M 9	3 39	22 36	2 41	4 54	1 49	22 40	3 14	2 59	0 24	5 21	1 15	23 32	0 14	11 40	0 49	0 55	1 55	33 1	11 41	10 44	11 2	24 55			n.a.
T 10	4 3	25 56	3 36	4 56	1 58	22 57	3 16	3 17	0 24	5 16	1 15	23 32	0 14	11 40	0 49	0 54	1 55	33 1	11 41	10 45	11 1	24 54			n.a.
W11	4 27	27 55	4 20	4 52	2 5	23 14	3 18	3 34	0 23	5 11	1 15	23 32	0 14	11 41	0 49	0 53	1 55	33 1	11 41	10 45	11 0	24 52			n.a.
T 12	4 51	28 33	4 52	4 43	2 10	23 31	3 20	3 52	0 23	5 6	1 15	23 32	0 14	11 42	0 49	0 52	1 55	33 0	11 40	10 46	10 59	24 50			n.a.
F 13	5 15	27 48	5 11	4 30	2 14	23 46	3 22	4 9	0 22	5 1	1 15	23 32	0 14	11 42	0 49	0 51	1 55	33 0	11 40	10 46	10 58	24 49			n.a.
S 14	5 39	25 48	5 16	4 13	2 17	24 2	3 23	4 27	0 22	4 56	1 15	23 32	0 14	11 43	0 49	0 50	1 55	33 0	11 40	10 45	10 57	24 47			n.a.
S 15	6 3	22 41	5 8	3 51	2 19	24 16	3 25	4 44	0 21	4 51	1 15	23 32	0 14	11 43	0 48	0 49	1 55	33 0	11 40	10 45	10 56	24 45			n.a.
M16	6 26	18 37	4 46	3 27	2 19	24 30	3 26	5 2	0 20	4 46	1 15	23 32	0 14	11 44	0 48	0 48	1 55	32 59	11 39	10 44	10 54	24 44			n.a.
T 17	6 50	13 45	4 12	3 0	2 19	24 44	3 28	5 19	0 20	4 41	1 15	23 33	0 14	11 44	0 48	0 47	1 55	32 59	11 39	10 44	10 53	24 42			n.a.
W18	7 13	8 17	3 25	2 30	2 17	24 56	3 29	5 37	0 19	4 36	1 15	23 33	0 14	11 45	0 48	0 47	1 55	32 59	11 39	10 43	10 52	24 40			n.a.
T 19	7 37	2 24	2 28	1 58	2 15	25 9	3 30	5 54	0 19	4 32	1 15	23 33	0 14	11 45	0 48	0 46	1 55	32 59	11 39	10 43	10 51	24 39			n.a.
F 20	8 0	3s42	1 22	1 25	2 12	25 20	3 31	6 11	0 18	4 27	1 15	23 33	0 14	11 46	0 48	0 45	1 55	32 58	11 38	10 43	10 50	24 37			n.a.
S 21	8 23	9 47	0 11	0 50	2 9	25 31	3 31	6 29	0 17	4 22	1 15	23 33	0 14	11 46	0 48	0 44	1 55	32 58	11 38	10 43	10 49	24 35			n.a.
S 22	8 47	15 34	1s 2	0 13	2 5	25 41	3 32	6 46	0 17	4 17	1 16	23 33	0 13	11 47	0 48	0 43	1 55	32 58	11 38	10 43	10 47	24 33			n.a.
M23	9 9	20 42	2 13	0s25	2 1	25 51	3 32	7 3	0 16	4 12	1 16	23 33	0 13	11 47	0 48	0 42	1 55	32 58	11 38	10 43	10 46	24 32			n.a.
T 24	9 32	24 49	3 17	1 3	1 56	26 0	3 33	7 20	0 16	4 7	1 16	23 33	0 13	11 48	0 48	0 42	1 55	32 57	11 37	10 43	10 45	24 30			n.a.
W25	9 55	27 32	4 11	1 42	1 51	26 8	3 33	7 38	0 15	4 3	1 16	23 33	0 13	11 48	0 48	0 41	1 55	32 57	11 37	10 43	10 44	24 28			n.a.
T 26	10 17	28 34	4 50	2 22	1 45	26 16	3 33	7 55	0 14	3 58	1 16	23 33	0 13	11 48	0 48	0 40	1 55	32 57	11 37	10 43	10 43	24 26			n.a.
F 27	10 40	27 44	5 13	3 3	1 40	26 23	3 32	8 12	0 14	3 53	1 16	23 33	0 13	11 49	0 48	0 39	1 55	32 56	11 37	10 43	10 42	24 25			n.a.
S 28	11 2	25 7	5 16	3 44	1 34	26 29	3 32	8 29	0 13	3 49	1 16	23 33	0 13	11 49	0 48	0 38	1 55	32 56	11 36	10 43	10 41	24 23			n.a.
S 29	11 24	20 58	5 0	4 25	1 28	26 35	3 31	8 46	0 12	3 44	1 16	23 34	0 13	11 49	0 48	0 37	1 55	32 56	11 36	10 43	10 39	24 21			n.a.
M30	11 46	15 37	4 26	5 6	1 21	26 40	3 31	9 3	0 12	3 39	1 16	23 34	0 13	11 50	0 48	0 37	1 55	32 55	11 36	10 43	10 38	24 19			n.a.
T 31	12s 7	9s28	3s36	5s47	1n15	26s44	3s30	9s20	0n11	3n35	1n16	23n34	0s13	11s50	0s48	0n36	1n55	32s55	11s36	10n43	10n37	24n18			n.a.

Julian Day Number = 1474422.5, Delta T = 05h28m08s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'47, Lahiri = -13°17'47 Julian Calendar 1 Oct. 677 BCE == Greg. Calendar 24 Sept. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

NOVEMBER 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 12 57	2♏24'00	28♓38	18♎57	19♐15	24♎53	24♍12	1°R 2	1°R30	2♎55	24♑28	27♈29	27♈ 8	4♌51	n.a.	W 1
T 2	2 16 54	3°25'05	12♈32	20°28	20°11	25°37	24°24	1♋ 1	1♓29	2°57	24°29	27°29	27° 5	4°58	n.a.	T 2
F 3	2 20 50	4°26'10	26°15	22° 0	21° 5	26°21	24°36	0°59	1°29	2°59	24°29	27°R29	27° 2	5° 5	n.a.	F 3
S 4	2 24 47	5°27'16	9♉42	23°33	22° 0	27° 5	24°47	0°58	1°28	3° 1	24°30	27°29	26°59	5°11	n.a.	S 4
S 5	2 28 44	6°28'23	22°53	25° 5	22°53	27°48	24°58	0°56	1°27	3° 3	24°30	27°29	26°56	5°18	n.a.	S 5
M 6	2 32 40	7°29'31	5♊47	26°37	23°46	28°32	25°10	0°54	1°27	3° 5	24°31	27°27	26°52	5°25	n.a.	M 6
T 7	2 36 37	8°30'40	18°23	28°10	24°38	29°16	25°21	0°52	1°26	3° 7	24°31	27°26	26°49	5°32	n.a.	T 7
W 8	2 40 33	9°31'49	0♋44	29°43	25°29	0♏ 0	25°32	0°50	1°26	3° 9	24°32	27°24	26°46	5°38	n.a.	W 8
T 9	2 44 30	10°33'00	12°52	1♏16	26°20	0°44	25°43	0°48	1°25	3°11	24°33	27°22	26°43	5°45	n.a.	T 9
F 10	2 48 26	11°34'12	24°51	2°49	27° 9	1°28	25°54	0°46	1°25	3°13	24°33	27°21	26°40	5°52	n.a.	F 10
S 11	2 52 23	12°35'24	6♌44	4°22	27°58	2°12	26° 5	0°43	1°24	3°15	24°34	27°20	26°37	5°58	n.a.	S 11
S 12	2 56 19	13°36'37	18°36	5°55	28°46	2°57	26°16	0°41	1°24	3°17	24°35	27°D20	26°33	6° 5	n.a.	S 12
M13	3 0 16	14°37'51	0♍33	7°29	29°33	3°41	26°27	0°38	1°24	3°18	24°35	27°21	26°30	6°12	n.a.	M13
T 14	3 4 13	15°39'06	12°38	9° 2	0♑20	4°25	26°38	0°35	1°24	3°20	24°36	27°22	26°27	6°19	n.a.	T 14
W15	3 8 9	16°40'21	24°57	10°36	1° 5	5° 9	26°48	0°33	1°23	3°22	24°37	27°24	26°24	6°25	n.a.	W15
T 16	3 12 6	17°41'37	7♎33	12°10	1°49	5°54	26°59	0°30	1°23	3°24	24°38	27°25	26°21	6°32	n.a.	T 16
F 17	3 16 2	18°42'54	20°28	13°44	2°32	6°38	27° 9	0°27	1°D23	3°25	24°39	27°26	26°17	6°39	n.a.	F 17
S 18	3 19 59	19°44'11	3♏45	15°18	3°15	7°23	27°20	0°24	1°23	3°27	24°39	27°R26	26°14	6°46	n.a.	S 18
S 19	3 23 55	20°45'28	17°22	16°53	3°56	8° 7	27°30	0°21	1°23	3°29	24°40	27°25	26°11	6°52	n.a.	S 19
M20	3 27 52	21°46'46	1♐19	18°27	4°35	8°52	27°40	0°17	1°24	3°30	24°41	27°23	26° 8	6°59	n.a.	M20
T 21	3 31 49	22°48'04	15°30	20° 2	5°14	9°36	27°50	0°14	1°24	3°32	24°42	27°19	26° 5	7° 6	n.a.	T 21
W22	3 35 45	23°49'22	29°51	21°37	5°51	10°21	28° 0	0°11	1°24	3°34	24°43	27°15	26° 2	7°12	n.a.	W22
T 23	3 39 42	24°50'40	14♑17	23°13	6°27	11° 5	28°10	0° 7	1°24	3°35	24°44	27°11	25°58	7°19	n.a.	T 23
F 24	3 43 38	25°51'58	28°42	24°48	7° 2	11°50	28°20	0° 4	1°25	3°37	24°45	27° 8	25°55	7°26	n.a.	F 24
S 25	3 47 35	26°53'16	13♒ 1	26°24	7°35	12°35	28°29	0° 0	1°25	3°38	24°46	27° 6	25°52	7°33	n.a.	S 25
S 26	3 51 31	27°54'33	27°13	28° 0	8° 6	13°20	28°39	29♊56	1°25	3°40	24°47	27°D 5	25°49	7°39	n.a.	S 26
M27	3 55 28	28°55'50	11♓13	29°37	8°36	14° 4	28°48	29°53	1°26	3°41	24°48	27° 6	25°46	7°46	n.a.	M27
T 28	3 59 24	29°57'06	25° 3	1♐13	9° 4	14°49	28°57	29°49	1°26	3°43	24°49	27° 7	25°43	7°53	n.a.	T 28
W29	4 3 21	0♐58'22	8♈41	2°51	9°31	15°34	29° 7	29°45	1°27	3°44	24°50	27° 9	25°39	7°59	n.a.	W29
T 30	4 7 18	1♐59'38	22♈ 7	4♐28	9♑56	16♏19	29♍16	29♊41	1♓28	3♎46	24♑51	27°R10	25♈36	8♌ 6	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s29	2s53	2s33	6s28	1n 8	26s48	3s29	9s36	0n11	3n30	1n17	23n34	0s13	11s50	0s48	0n35	1n56	32s55	11s35	10n43	10n36	24n16		n.a.
T 2	12 50	3n46	1 22	7 9	1 2	26 51	3 27	9 53	0 10	3 25	1 17	23 34	0 13	11 50	0 48	0 34	1 56	32 55	11 35	10 44	10 35	24 14		n.a.
F 3	13 11	10 10	0 7	7 51	0 55	26 54	3 26	10 10	0 9	3 21	1 17	23 34	0 13	11 51	0 48	0 34	1 56	32 54	11 35	10 44	10 34	24 12		n.a.
S 4	13 32	15 59	1n 7	8 31	0 48	26 56	3 24	10 26	0 9	3 16	1 17	23 34	0 12	11 51	0 48	0 33	1 56	32 54	11 35	10 44	10 32	24 10		n.a.
S 5	13 52	20 57	2 16	9 12	0 41	26 57	3 22	10 43	0 8	3 12	1 17	23 34	0 12	11 51	0 48	0 32	1 56	32 53	11 35	10 43	10 31	24 8		n.a.
M 6	14 12	24 48	3 16	9 53	0 34	26 57	3 20	11 0	0 7	3 8	1 17	23 34	0 12	11 51	0 48	0 31	1 56	32 53	11 34	10 43	10 30	24 7		n.a.
T 7	14 32	27 21	4 6	10 33	0 28	26 57	3 17	11 16	0 7	3 3	1 17	23 34	0 12	11 51	0 48	0 31	1 56	32 53	11 34	10 42	10 29	24 5		n.a.
W 8	14 52	28 29	4 42	11 12	0 21	26 57	3 15	11 32	0 6	2 59	1 17	23 34	0 12	11 52	0 48	0 30	1 56	32 52	11 34	10 42	10 28	24 3		n.a.
T 9	15 12	28 13	5 6	11 52	0 14	26 55	3 12	11 48	0 5	2 54	1 18	23 35	0 12	11 52	0 48	0 29	1 56	32 52	11 34	10 41	10 27	24 1		n.a.
F 10	15 31	26 38	5 16	12 31	0 7	26 54	3 9	12 5	0 5	2 50	1 18	23 35	0 12	11 52	0 48	0 28	1 56	32 52	11 33	10 41	10 25	23 59		n.a.
S 11	15 50	23 52	5 12	13 9	0 0	26 51	3 5	12 21	0 4	2 46	1 18	23 35	0 12	11 52	0 48	0 28	1 56	32 51	11 33	10 40	10 24	23 57		n.a.
S 12	16 9	20 7	4 54	13 47	0s 6	26 48	3 2	12 37	0 4	2 42	1 18	23 35	0 12	11 52	0 47	0 27	1 56	32 51	11 33	10 40	10 23	23 55		n.a.
M13	16 27	15 33	4 24	14 24	0 13	26 45	2 58	12 53	0 3	2 37	1 18	23 35	0 12	11 52	0 47	0 26	1 56	32 51	11 33	10 41	10 22	23 54		n.a.
T 14	16 45	10 20	3 43	15 1	0 19	26 40	2 54	13 8	0 2	2 33	1 18	23 35	0 12	11 52	0 47	0 26	1 56	32 50	11 32	10 41	10 21	23 52		n.a.
W15	17 3	4 37	2 50	15 37	0 26	26 36	2 49	13 24	0 2	2 29	1 18	23 35	0 11	11 52	0 47	0 25	1 56	32 50	11 32	10 42	10 20	23 50		n.a.
T 16	17 21	1s24	1 47	16 13	0 32	26 31	2 45	13 40	0 1	2 25	1 19	23 35	0 11	11 52	0 47	0 24	1 56	32 50	11 32	10 42	10 18	23 48		n.a.
F 17	17 38	7 31	0 38	16 48	0 39	26 25	2 40	13 55	0 0	2 21	1 19	23 35	0 11	11 52	0 47	0 24	1 56	32 49	11 32	10 42	10 17	23 46		n.a.
S 18	17 55	13 29	0s35	17 22	0 45	26 19	2 34	14 10	0s 0	2 17	1 19	23 36	0 11	11 52	0 47	0 23	1 56	32 49	11 32	10 42	10 16	23 44		n.a.
S 19	18 12	18 58	1 47	17 55	0 51	26 12	2 29	14 26	0 1	2 13	1 19	23 36	0 11	11 52	0 47	0 22	1 56	32 48	11 31	10 42	10 15	23 42		n.a.
M20	18 28	23 34	2 55	18 28	0 56	26 5	2 23	14 41	0 2	2 9	1 19	23 36	0 11	11 52	0 47	0 22	1 56	32 48	11 31	10 41	10 14	23 40		n.a.
T 21	18 44	26 51	3 54	19 0	1 2	25 57	2 17	14 56	0 2	2 5	1 19	23 36	0 11	11 52	0 47	0 21	1 56	32 48	11 31	10 40	10 13	23 38		n.a.
W22	19 0	28 25	4 38	19 31	1 8	25 49	2 10	15 11	0 3	2 1	1 20	23 36	0 11	11 52	0 47	0 21	1 56	32 47	11 31	10 38	10 11	23 36		n.a.
T 23	19 15	28 3	5 5	20 1	1 13	25 40	2 3	15 26	0 4	1 57	1 20	23 36	0 11	11 51	0 47	0 20	1 56	32 47	11 30	10 37	10 10	23 34		n.a.
F 24	19 30	25 48	5 13	20 30	1 18	25 31	1 56	15 40	0 4	1 54	1 20	23 36	0 11	11 51	0 47	0 19	1 57	32 46	11 30	10 36	10 9	23 32		n.a.
S 25	19 44	21 56	5 1	20 58	1 23	25 22	1 49	15 55	0 5	1 50	1 20	23 36	0 11	11 51	0 47	0 19	1 57	32 46	11 30	10 35	10 8	23 30		n.a.
S 26	19 58	16 50	4 31	21 25	1 28	25 12	1 41	16 9	0 6	1 46	1 20	23 36	0 10	11 51	0 47	0 18	1 57	32 46	11 30	10 35	10 7	23 28		n.a.
M27	20 12	10 55	3 45	21 51	1 32	25 2	1 33	16 23	0 6	1 43	1 20	23 36	0 10	11 51	0 47	0 18	1 57	32 45	11 30	10 35	10 6	23 26		n.a.
T 28	20 26	4 32	2 46	22 16	1 37	24 52	1 24	16 38	0 7	1 39	1 21	23 36	0 10	11 51	0 47	0 17	1 57	32 45	11 29	10 35	10 4	23 24		n.a.
W29	20 39	1n58	1 39	22 40	1 41	24 41	1 15	16 52	0 8	1 36	1 21	23 37	0 10	11 50	0 47	0 17	1 57	32 44	11 29	10 36	10 3	23 22		n.a.
T 30	20s51	8n19	0s27	23s 3	1s45	24s30	1s 6	17s 5	0s 8	1n32	1n21	23n37	0s10	11s50	0s47	0n16	1n57	32s44	11s29	10n36	10n 2	23n20		n.a.

Julian Day Number = 1474453.5, Delta T = 05h28m06s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'43, Lahiri = -13°17'43 Julian Calendar 1 Nov. 677 BCE == Greg. Calendar 25 Oct. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 677 BCE
geocentric

DECEMBER 677 BCE (-676) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 11 14	3♐ 0'53	5♉23	6♐ 6	10♑19	17♏ 4	29♍25	29°R37	1♓28	3♎47	24♑52	27°R 9	25♈33	8♌13	n.a.	F 1
S 2	4 15 11	4° 2'08	18°26	7°44	10°39	17°49	29°33	29♊33	1°29	3°48	24°54	27♈ 8	25°30	8°20	n.a.	S 2
S 3	4 19 7	5° 3'22	1♊18	9°23	10°58	18°34	29°42	29°28	1°30	3°50	24°55	27° 4	25°27	8°26	n.a.	S 3
M 4	4 23 4	6° 4'37	13°58	11° 2	11°15	19°19	29°51	29°24	1°31	3°51	24°56	26°58	25°23	8°33	n.a.	M 4
T 5	4 27 0	7° 5'51	26°26	12°41	11°30	20° 4	29°59	29°20	1°32	3°52	24°57	26°50	25°20	8°40	n.a.	T 5
W 6	4 30 57	8° 7'05	8♋42	14°20	11°43	20°50	0♎ 8	29°15	1°32	3°53	24°58	26°42	25°17	8°47	n.a.	W 6
T 7	4 34 54	9° 8'18	20°47	16° 0	11°53	21°35	0°16	29°11	1°33	3°55	25° 0	26°34	25°14	8°53	n.a.	T 7
F 8	4 38 50	10° 9'31	2♌45	17°41	12° 1	22°20	0°24	29° 6	1°35	3°56	25° 1	26°27	25°11	9° 0	n.a.	F 8
S 9	4 42 47	11°10'44	14°37	19°21	12° 7	23° 5	0°32	29° 2	1°36	3°57	25° 2	26°22	25° 8	9° 7	n.a.	S 9
S 10	4 46 43	12°11'56	26°28	21° 2	12°11	23°51	0°40	28°57	1°37	3°58	25° 3	26°18	25° 4	9°13	n.a.	S 10
M11	4 50 40	13°13'08	8♍22	22°43	12°R12	24°36	0°48	28°53	1°38	3°59	25° 5	26°D16	25° 1	9°20	n.a.	M11
T 12	4 54 36	14°14'20	20°25	24°24	12°10	25°21	0°55	28°48	1°39	4° 0	25° 6	26°16	24°58	9°27	n.a.	T 12
W13	4 58 33	15°15'31	2♎40	26° 5	12° 6	26° 7	1° 3	28°43	1°40	4° 1	25° 7	26°17	24°55	9°34	n.a.	W13
T 14	5 2 29	16°16'42	15°14	27°46	12° 0	26°52	1°10	28°39	1°42	4° 2	25° 9	26°19	24°52	9°40	n.a.	T 14
F 15	5 6 26	17°17'52	28°10	29°27	11°51	27°38	1°17	28°34	1°43	4° 3	25°10	26°R19	24°49	9°47	n.a.	F 15
S 16	5 10 23	18°19'02	11♏32	1♑ 7	11°39	28°23	1°24	28°29	1°45	4° 4	25°12	26°18	24°45	9°54	n.a.	S 16
S 17	5 14 19	19°20'11	25°21	2°47	11°25	29° 9	1°31	28°24	1°46	4° 5	25°13	26°15	24°42	10° 0	n.a.	S 17
M18	5 18 16	20°21'20	9♐35	4°26	11° 8	29°55	1°38	28°19	1°48	4° 6	25°14	26° 9	24°39	10° 7	n.a.	M18
T 19	5 22 12	21°22'28	24°11	6° 4	10°50	0♐40	1°44	28°15	1°49	4° 7	25°16	26° 1	24°36	10°14	n.a.	T 19
W20	5 26 9	22°23'35	9♑ 1	7°40	10°28	1°26	1°51	28°10	1°51	4° 7	25°17	25°52	24°33	10°21	n.a.	W20
T 21	5 30 5	23°24'41	23°56	9°15	10° 5	2°12	1°57	28° 5	1°53	4° 8	25°19	25°42	24°29	10°27	n.a.	T 21
F 22	5 34 2	24°25'45	8♒47	10°48	9°39	2°57	2° 3	28° 0	1°54	4° 9	25°20	25°34	24°26	10°34	n.a.	F 22
S 23	5 37 59	25°26'48	23°27	12°19	9°11	3°43	2° 9	27°55	1°56	4°10	25°22	25°28	24°23	10°41	n.a.	S 23
S 24	5 41 55	26°27'50	7♓51	13°46	8°42	4°29	2°15	27°50	1°58	4°10	25°23	25°24	24°20	10°47	n.a.	S 24
M25	5 45 52	27°28'51	21°55	15° 9	8°10	5°15	2°21	27°45	2° 0	4°11	25°25	25°D22	24°17	10°54	n.a.	M25
T 26	5 49 48	28°29'49	5♈39	16°29	7°37	6° 1	2°26	27°40	2° 2	4°11	25°26	25°22	24°14	11° 1	n.a.	T 26
W27	5 53 45	29°30'47	19° 4	17°43	7° 3	6°46	2°31	27°35	2° 3	4°12	25°28	25°R23	24°10	11° 8	n.a.	W27
T 28	5 57 41	0♑31'43	2♉13	18°52	6°27	7°32	2°37	27°30	2° 5	4°12	25°29	25°23	24° 7	11°14	n.a.	T 28
F 29	6 1 38	1°32'37	15° 8	19°54	5°51	8°18	2°42	27°26	2° 7	4°13	25°31	25°21	24° 4	11°21	n.a.	F 29
S 30	6 5 34	2°33'30	27°50	20°48	5°14	9° 4	2°46	27°21	2°10	4°13	25°32	25°16	24° 1	11°28	n.a.	S 30
S 31	6 9 31	3♑34'22	10♊23	21♑35	4♑37	9♐50	2♎51	27♊16	2♓12	4♎14	25♑34	25♈ 9	23♈58	11♌35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s 3	14n12	0n45	23s24	1s48	24s18	0s56	17s19	0s 9	1n29	1n21	23n37	0s10	11s50	0s47	0n16	1n57	32s44	11s29	10n36	10n 1	23n18		n.a.
S 2	21 15	19 22	1 53	23 44	1 51	24 7	0 46	17 33	0 10	1 25	1 21	23 37	0 10	11 49	0 47	0 15	1 57	32 43	11 29	10 36	10 0	23 16		n.a.
S 3	21 27	23 34	2 55	24 3	1 54	23 55	0 36	17 46	0 11	1 22	1 22	23 37	0 10	11 49	0 47	0 15	1 57	32 43	11 29	10 34	9 59	23 14		n.a.
M 4	21 38	26 33	3 46	24 21	1 57	23 42	0 25	17 59	0 11	1 19	1 22	23 37	0 10	11 49	0 47	0 14	1 57	32 42	11 28	10 32	9 57	23 12		n.a.
T 5	21 48	28 10	4 26	24 36	1 59	23 30	0 14	18 12	0 12	1 15	1 22	23 37	0 10	11 48	0 47	0 14	1 57	32 42	11 28	10 29	9 56	23 10		n.a.
W 6	21 58	28 22	4 53	24 51	2 1	23 17	0 2	18 25	0 13	1 12	1 22	23 37	0 9	11 48	0 46	0 13	1 57	32 42	11 28	10 26	9 55	23 8		n.a.
T 7	22 8	27 12	5 7	25 4	2 3	23 4	0n10	18 38	0 13	1 9	1 22	23 37	0 9	11 48	0 46	0 13	1 57	32 41	11 28	10 23	9 54	23 6		n.a.
F 8	22 17	24 47	5 6	25 15	2 4	22 51	0 22	18 50	0 14	1 6	1 23	23 37	0 9	11 47	0 46	0 12	1 57	32 41	11 28	10 21	9 53	23 4		n.a.
S 9	22 26	21 20	4 53	25 25	2 4	22 38	0 35	19 3	0 15	1 3	1 23	23 37	0 9	11 47	0 46	0 12	1 57	32 40	11 28	10 19	9 51	23 2		n.a.
S 10	22 35	17 2	4 27	25 32	2 4	22 25	0 48	19 15	0 15	1 0	1 23	23 37	0 9	11 46	0 46	0 12	1 57	32 40	11 27	10 17	9 50	23 0		n.a.
M11	22 42	12 5	3 49	25 38	2 4	22 11	1 1	19 27	0 16	0 57	1 23	23 38	0 9	11 46	0 46	0 11	1 58	32 40	11 27	10 17	9 49	22 58		n.a.
T 12	22 50	6 37	3 1	25 43	2 3	21 58	1 15	19 39	0 17	0 54	1 23	23 38	0 9	11 45	0 46	0 11	1 58	32 39	11 27	10 17	9 48	22 56		n.a.
W13	22 57	0 49	2 4	25 45	2 2	21 44	1 29	19 50	0 17	0 51	1 24	23 38	0 9	11 45	0 46	0 11	1 58	32 39	11 27	10 17	9 47	22 54		n.a.
T 14	23 4	5s10	0 59	25 46	2 0	21 31	1 43	20 2	0 18	0 49	1 24	23 38	0 9	11 44	0 46	0 10	1 58	32 38	11 27	10 18	9 46	22 52		n.a.
F 15	23 10	11 8	0s10	25 44	1 58	21 17	1 58	20 13	0 19	0 46	1 24	23 38	0 8	11 44	0 46	0 10	1 58	32 38	11 27	10 18	9 44	22 50		n.a.
S 16	23 15	16 47	1 21	25 41	1 54	21 3	2 13	20 24	0 19	0 43	1 24	23 38	0 8	11 43	0 46	0 10	1 58	32 38	11 27	10 17	9 43	22 48		n.a.
S 17	23 21	21 47	2 29	25 35	1 50	20 50	2 28	20 35	0 20	0 41	1 25	23 38	0 8	11 43	0 46	0 9	1 58	32 37	11 26	10 16	9 42	22 46		n.a.
M18	23 25	25 40	3 30	25 28	1 46	20 36	2 43	20 45	0 21	0 38	1 25	23 38	0 8	11 42	0 46	0 9	1 58	32 37	11 26	10 14	9 41	22 43		n.a.
T 19	23 30	27 58	4 19	25 19	1 40	20 22	2 58	20 56	0 22	0 36	1 25	23 38	0 8	11 41	0 46	0 9	1 58	32 36	11 26	10 11	9 40	22 41		n.a.
W20	23 33	28 19	4 51	25 7	1 34	20 9	3 13	21 6	0 22	0 33	1 25	23 38	0 8	11 41	0 46	0 9	1 58	32 36	11 26	10 8	9 39	22 39		n.a.
T 21	23 37	26 37	5 4	24 54	1 27	19 55	3 29	21 16	0 23	0 31	1 25	23 38	0 8	11 40	0 46	0 8	1 58	32 36	11 26	10 4	9 37	22 37		n.a.
F 22	23 40	23 4	4 56	24 39	1 19	19 42	3 44	21 26	0 24	0 29	1 26	23 38	0 8	11 40	0 46	0 8	1 58	32 35	11 26	10 1	9 36	22 35		n.a.
S 23	23 42	18 7	4 29	24 22	1 11	19 29	3 59	21 35	0 24	0 27	1 26	23 38	0 8	11 39	0 46	0 8	1 58	32 35	11 26	9 59	9 35	22 33		n.a.
S 24	23 44	12 13	3 45	24 4	1 1	19 16	4 14	21 45	0 25	0 25	1 26	23 38	0 8	11 38	0 46	0 8	1 58	32 34	11 26	9 57	9 34	22 31		n.a.
M25	23 45	5 50	2 48	23 44	0 50	19 3	4 29	21 54	0 26	0 22	1 26	23 38	0 7	11 37	0 46	0 7	1 59	32 34	11 26	9 57	9 33	22 29		n.a.
T 26	23 46	0n42	1 43	23 23	0 39	18 51	4 43	22 3	0 26	0 20	1 27	23 38	0 7	11 37	0 46	0 7	1 59	32 34	11 26	9 57	9 31	22 26		n.a.
W27	23 47	7 3	0 34	23 1	0 26	18 39	4 57	22 12	0 27	0 19	1 27	23 38	0 7	11 36	0 46	0 7	1 59	32 33	11 25	9 57	9 30	22 24		n.a.
T 28	23 47	12 59	0n36	22 39	0 13	18 27	5 11	22 20	0 28	0 17	1 27	23 38	0 7	11 35	0 46	0 7	1 59	32 33	11 25	9 57	9 29	22 22		n.a.
F 29	23 46	18 14	1 43	22 15	0n 1	18 15	5 24	22 28	0 28	0 15	1 27	23 38	0 7	11 34	0 46	0 7	1 59	32 32	11 25	9 56	9 28	22 20		n.a.
S 30	23 45	22 36	2 43	21 52	0 17	18 4	5 36	22 36	0 29	0 13	1 28	23 38	0 7	11 34	0 46	0 7	1 59	32 32	11 25	9 55	9 27	22 18		n.a.
S 31	23s44	25n52	3n35	21s29	0n33	17s54	5n48	22s44	0s30	0n11	1n28	23n38	0s 7	11s33	0s46	0n 7	1n59	32s32	11s25	9n52	9n25	22n15		n.a.

Julian Day Number = 1474483.5, Delta T = 05h28m05s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'39, Lahiri = -13°17'38 Julian Calendar 1 Dec. 677 BCE == Greg. Calendar 24 Nov. 677 BCE

The year -676 astronomical counting style corresponds to year 677 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

JANUARY 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 13 28	4♑35'12	22♊46	22♑13	3°R59	10♐36	2♎56	27°R11	2♓14	4♎14	25♑36	24°R59	23♈55	11♌41	n.a.	M 1
T 2	6 17 24	5°36'01	5♋ 1	22°41	3♑22	11°22	3° 0	27♊ 6	2°16	4°15	25°37	24♈46	23°51	11°48	n.a.	T 2
W 3	6 21 21	6°36'48	17° 8	22°59	2°45	12° 8	3° 4	27° 1	2°18	4°15	25°39	24°33	23°48	11°55	n.a.	W 3
T 4	6 25 17	7°37'34	29° 8	23°R 6	2° 9	12°54	3° 8	26°56	2°20	4°15	25°40	24°19	23°45	12° 1	n.a.	T 4
F 5	6 29 14	8°38'19	11♌ 3	23° 3	1°34	13°41	3°12	26°52	2°23	4°15	25°42	24° 6	23°42	12° 8	n.a.	F 5
S 6	6 33 10	9°39'02	22°54	22°48	0°59	14°27	3°16	26°47	2°25	4°16	25°44	23°55	23°39	12°15	n.a.	S 6
S 7	6 37 7	10°39'44	4♍44	22°23	0°27	15°13	3°19	26°42	2°27	4°16	25°45	23°47	23°36	12°22	n.a.	S 7
M 8	6 41 3	11°40'24	16°37	21°48	29♐55	15°59	3°22	26°38	2°30	4°16	25°47	23°42	23°32	12°28	n.a.	M 8
T 9	6 45 0	12°41'03	28°37	21° 4	29°26	16°45	3°26	26°33	2°32	4°16	25°49	23°40	23°29	12°35	n.a.	T 9
W10	6 48 57	13°41'41	10♎48	20°12	28°59	17°32	3°29	26°28	2°35	4°16	25°50	23°D39	23°26	12°42	n.a.	W10
T 11	6 52 53	14°42'17	23°17	19°13	28°33	18°18	3°31	26°24	2°37	4°16	25°52	23°R39	23°23	12°48	n.a.	T 11
F 12	6 56 50	15°42'52	6♏ 8	18° 9	28°10	19° 4	3°34	26°19	2°40	4°R16	25°54	23°38	23°20	12°55	n.a.	F 12
S 13	7 0 46	16°43'26	19°25	17° 2	27°49	19°50	3°36	26°15	2°42	4°16	25°55	23°36	23°16	13° 2	n.a.	S 13
S 14	7 4 43	17°43'58	3♐12	15°54	27°30	20°37	3°39	26°10	2°45	4°16	25°57	23°32	23°13	13° 9	n.a.	S 14
M15	7 8 39	18°44'29	17°29	14°46	27°14	21°23	3°41	26° 6	2°48	4°16	25°59	23°25	23°10	13°15	n.a.	M15
T 16	7 12 36	19°44'59	2♑13	13°40	27° 0	22°10	3°42	26° 2	2°50	4°16	26° 0	23°15	23° 7	13°22	n.a.	T 16
W17	7 16 32	20°45'26	17°17	12°38	26°49	22°56	3°44	25°57	2°53	4°16	26° 2	23° 4	23° 4	13°29	n.a.	W17
T 18	7 20 29	21°45'52	2♒32	11°41	26°40	23°42	3°46	25°53	2°56	4°16	26° 4	22°52	23° 1	13°35	n.a.	T 18
F 19	7 24 26	22°46'16	17°45	10°49	26°34	24°29	3°47	25°49	2°59	4°15	26° 5	22°41	22°57	13°42	n.a.	F 19
S 20	7 28 22	23°46'38	2♓47	10° 3	26°30	25°15	3°48	25°45	3° 1	4°15	26° 7	22°32	22°54	13°49	n.a.	S 20
S 21	7 32 19	24°46'58	17°30	9°25	26°D28	26° 2	3°49	25°41	3° 4	4°15	26° 9	22°27	22°51	13°56	n.a.	S 21
M22	7 36 15	25°47'15	1♈48	8°54	26°29	26°48	3°50	25°37	3° 7	4°15	26°10	22°24	22°48	14° 2	n.a.	M22
T 23	7 40 12	26°47'31	15°39	8°30	26°33	27°35	3°50	25°33	3°10	4°14	26°12	22°23	22°45	14° 9	n.a.	T 23
W24	7 44 8	27°47'44	29° 6	8°13	26°38	28°21	3°50	25°30	3°13	4°14	26°14	22°23	22°41	14°16	n.a.	W24
T 25	7 48 5	28°47'55	12♉10	8° 3	26°46	29° 8	3°R51	25°26	3°16	4°13	26°15	22°22	22°38	14°22	n.a.	T 25
F 26	7 52 1	29°48'04	24°56	8°D 0	26°56	29°54	3°51	25°22	3°19	4°13	26°17	22°20	22°35	14°29	n.a.	F 26
S 27	7 55 58	0♒48'10	7♊27	8° 4	27° 9	0♑41	3°50	25°19	3°22	4°12	26°19	22°16	22°32	14°36	n.a.	S 27
S 28	7 59 55	1°48'15	19°46	8°14	27°23	1°27	3°50	25°15	3°25	4°12	26°20	22° 8	22°29	14°43	n.a.	S 28
M29	8 3 51	2°48'17	1♋56	8°29	27°40	2°14	3°49	25°12	3°28	4°11	26°22	21°58	22°26	14°49	n.a.	M29
T 30	8 7 48	3°48'17	14° 0	8°50	27°58	3° 0	3°49	25° 9	3°31	4°11	26°24	21°45	22°22	14°56	n.a.	T 30
W31	8 11 44	4♒48'15	25♋58	9♑16	28♐18	3♑47	3♎48	25♊ 5	3♓34	4♎10	26♑26	21♈31	22♈19	15♌ 3	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23 s42	27n49	4n15	21 s 6	0n49	17 s44	5n59	22 s51	0 s30	0n10	1n28	23n38	0 s 7	11 s32	0 s46	0n 7	1n59	32 s31	11 s25	9n48	9n24	22n13			n.a.
T 2	23 39	28 24	4 43	20 45	1 7	17 35	6 10	22 59	0 31	0 8	1 28	23 38	0 7	11 31	0 45	0 6	1 59	32 31	11 25	9 44	9 23	22 11			n.a.
W 3	23 37	27 35	4 58	20 24	1 24	17 26	6 19	23 6	0 32	0 7	1 29	23 38	0 6	11 30	0 45	0 6	1 59	32 30	11 25	9 39	9 22	22 9			n.a.
T 4	23 33	25 30	4 59	20 6	1 42	17 17	6 28	23 12	0 33	0 6	1 29	23 38	0 6	11 30	0 45	0 6	1 59	32 30	11 25	9 33	9 21	22 7			n.a.
F 5	23 30	22 18	4 48	19 49	2 0	17 10	6 36	23 19	0 33	0 4	1 29	23 38	0 6	11 29	0 45	0 6	1 59	32 30	11 25	9 29	9 20	22 4			n.a.
S 6	23 25	18 13	4 24	19 34	2 17	17 3	6 44	23 25	0 34	0 3	1 29	23 38	0 6	11 28	0 45	0 6	1 59	32 29	11 25	9 25	9 18	22 2			n.a.
S 7	23 21	13 26	3 48	19 22	2 33	16 57	6 50	23 31	0 35	0 2	1 30	23 38	0 6	11 27	0 45	0 6	1 59	32 29	11 25	9 22	9 17	22 0			n.a.
M 8	23 15	8 9	3 2	19 12	2 49	16 51	6 56	23 37	0 35	0 1	1 30	23 38	0 6	11 26	0 45	0 6	1 59	32 29	11 25	9 20	9 16	21 58			n.a.
T 9	23 10	2 31	2 8	19 5	3 4	16 46	7 1	23 42	0 36	0 s 0	1 30	23 38	0 6	11 25	0 45	0 6	2 0	32 28	11 25	9 19	9 15	21 56			n.a.
W10	23 4	3 s18	1 7	19 0	3 17	16 42	7 4	23 48	0 37	0 1	1 30	23 38	0 6	11 24	0 45	0 6	2 0	32 28	11 25	9 18	9 14	21 53			n.a.
T 11	22 57	9 8	0 2	18 57	3 28	16 39	7 8	23 52	0 37	0 2	1 31	23 38	0 5	11 23	0 45	0 6	2 0	32 28	11 25	9 18	9 12	21 51			n.a.
F 12	22 50	14 47	1 s 6	18 57	3 36	16 36	7 10	23 57	0 38	0 3	1 31	23 38	0 5	11 22	0 45	0 6	2 0	32 27	11 25	9 18	9 11	21 49			n.a.
S 13	22 43	19 57	2 12	18 59	3 43	16 34	7 12	24 2	0 39	0 4	1 31	23 38	0 5	11 21	0 45	0 6	2 0	32 27	11 25	9 18	9 10	21 46			n.a.
S 14	22 35	24 14	3 13	19 3	3 48	16 33	7 13	24 6	0 39	0 4	1 31	23 38	0 5	11 20	0 45	0 7	2 0	32 27	11 25	9 16	9 9	21 44			n.a.
M15	22 27	27 13	4 4	19 8	3 50	16 32	7 13	24 10	0 40	0 5	1 32	23 38	0 5	11 19	0 45	0 7	2 0	32 26	11 25	9 13	9 8	21 42			n.a.
T 16	22 18	28 26	4 40	19 15	3 50	16 32	7 12	24 13	0 41	0 5	1 32	23 38	0 5	11 18	0 45	0 7	2 0	32 26	11 25	9 9	9 6	21 40			n.a.
W17	22 9	27 34	4 58	19 24	3 47	16 33	7 11	24 17	0 41	0 6	1 32	23 38	0 5	11 17	0 45	0 7	2 0	32 26	11 25	9 5	9 5	21 37			n.a.
T 18	21 59	24 40	4 56	19 33	3 43	16 34	7 10	24 20	0 42	0 6	1 32	23 38	0 5	11 16	0 45	0 7	2 0	32 25	11 25	9 1	9 4	21 35			n.a.
F 19	21 50	20 2	4 32	19 43	3 37	16 36	7 8	24 22	0 43	0 7	1 33	23 38	0 5	11 15	0 45	0 7	2 0	32 25	11 25	8 57	9 3	21 33			n.a.
S 20	21 39	14 11	3 50	19 54	3 30	16 39	7 5	24 25	0 43	0 7	1 33	23 38	0 4	11 14	0 45	0 7	2 0	32 25	11 25	8 53	9 2	21 30			n.a.
S 21	21 28	7 39	2 53	20 6	3 21	16 42	7 2	24 27	0 44	0 7	1 33	23 38	0 4	11 13	0 45	0 8	2 0	32 24	11 25	8 51	9 0	21 28			n.a.
M22	21 17	0 54	1 46	20 18	3 11	16 46	6 58	24 29	0 45	0 7	1 34	23 38	0 4	11 12	0 45	0 8	2 0	32 24	11 25	8 50	8 59	21 26			n.a.
T 23	21 6	5n42	0 35	20 30	3 0	16 50	6 55	24 31	0 45	0 7	1 34	23 38	0 4	11 11	0 45	0 8	2 1	32 24	11 25	8 50	8 58	21 24			n.a.
W24	20 54	11 51	0n35	20 43	2 49	16 54	6 50	24 32	0 46	0 7	1 34	23 38	0 4	11 10	0 45	0 8	2 1	32 23	11 25	8 50	8 57	21 21			n.a.
T 25	20 41	17 20	1 43	20 55	2 37	16 59	6 46	24 33	0 47	0 7	1 34	23 38	0 4	11 9	0 45	0 8	2 1	32 23	11 25	8 50	8 56	21 19			n.a.
F 26	20 29	21 54	2 43	21 8	2 24	17 4	6 41	24 34	0 47	0 6	1 35	23 38	0 4	11 8	0 45	0 9	2 1	32 23	11 25	8 49	8 55	21 17			n.a.
S 27	20 16	25 22	3 34	21 20	2 12	17 10	6 35	24 35	0 48	0 6	1 35	23 38	0 4	11 7	0 45	0 9	2 1	32 22	11 25	8 47	8 53	21 14			n.a.
S 28	20 2	27 36	4 14	21 32	1 59	17 16	6 30	24 35	0 49	0 6	1 35	23 38	0 4	11 5	0 45	0 9	2 1	32 22	11 25	8 44	8 52	21 12			n.a.
M29	19 49	28 28	4 42	21 44	1 46	17 22	6 24	24 35	0 49	0 5	1 35	23 38	0 3	11 4	0 45	0 9	2 1	32 22	11 25	8 40	8 51	21 9			n.a.
T 30	19 34	27 57	4 57	21 55	1 34	17 28	6 18	24 34	0 50	0 5	1 36	23 38	0 3	11 3	0 45	0 10	2 1	32 22	11 25	8 36	8 50	21 7			n.a.
W31	19 s20	26n 9	4n59	22 s 6	1n21	17 s34	6n12	24 s34	0 s50	0 s 4	1n36	23n38	0 s 3	11 s 2	0 s45	0n10	2n 1	32 s21	11 s25	8n30	8n49	21n 5			n.a.

Julian Day Number = 1474514.5, Delta T = 05h28m03s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'35, Lahiri = -13°17'34 Julian Calendar 1 Jan. 676 BCE == Greg. Calendar 25 Dec. 677 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

FEBRUARY 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 15 41	5♒48'11	7♌53	9♑47	28♐41	4♑33	3°R46	25°R 2	3♓37	4°R10	26♑27	21°R17	22♈16	15♌ 9	n.a.	T 1
F 2	8 19 37	6°48'05	19°45	10°23	29° 5	5°20	3♎45	24♊59	3°40	4♎ 9	26°29	21♈ 4	22°13	15°16	n.a.	F 2
S 3	8 23 34	7°47'57	1♍36	11° 2	29°30	6° 7	3°44	24°56	3°43	4° 8	26°31	20°52	22°10	15°23	n.a.	S 3
S 4	8 27 30	8°47'46	13°28	11°46	29°58	6°53	3°42	24°53	3°47	4° 7	26°32	20°44	22° 7	15°30	n.a.	S 4
M 5	8 31 27	9°47'34	25°23	12°33	0♑27	7°40	3°40	24°51	3°50	4° 7	26°34	20°38	22° 3	15°36	n.a.	M 5
T 6	8 35 24	10°47'20	7♎25	13°24	0°57	8°26	3°38	24°48	3°53	4° 6	26°35	20°35	22° 0	15°43	n.a.	T 6
W 7	8 39 20	11°47'04	19°37	14°17	1°29	9°13	3°36	24°45	3°56	4° 5	26°37	20°D35	21°57	15°50	n.a.	W 7
T 8	8 43 17	12°46'46	2♏ 4	15°14	2° 2	10° 0	3°33	24°43	3°59	4° 4	26°39	20°35	21°54	15°56	n.a.	T 8
F 9	8 47 13	13°46'27	14°51	16°14	2°37	10°46	3°31	24°41	4° 3	4° 3	26°40	20°R35	21°51	16° 3	n.a.	F 9
S 10	8 51 10	14°46'05	28° 2	17°16	3°13	11°33	3°28	24°38	4° 6	4° 2	26°42	20°34	21°47	16°10	n.a.	S 10
S 11	8 55 6	15°45'42	11♐41	18°20	3°51	12°19	3°25	24°36	4° 9	4° 2	26°44	20°32	21°44	16°17	n.a.	S 11
M12	8 59 3	16°45'17	25°49	19°27	4°29	13° 6	3°22	24°34	4°12	4° 1	26°45	20°27	21°41	16°23	n.a.	M12
T 13	9 2 59	17°44'50	10♑25	20°36	5° 9	13°53	3°18	24°32	4°16	4° 0	26°47	20°19	21°38	16°30	n.a.	T 13
W14	9 6 56	18°44'21	25°25	21°48	5°50	14°39	3°15	24°30	4°19	3°59	26°48	20°10	21°35	16°37	n.a.	W14
T 15	9 10 53	19°43'50	10♒40	23° 1	6°32	15°26	3°11	24°28	4°22	3°58	26°50	20° 1	21°32	16°43	n.a.	T 15
F 16	9 14 49	20°43'17	25°59	24°16	7°15	16°13	3° 7	24°27	4°26	3°57	26°52	19°52	21°28	16°50	n.a.	F 16
S 17	9 18 46	21°42'42	11♓12	25°34	7°59	16°59	3° 3	24°25	4°29	3°55	26°53	19°45	21°25	16°57	n.a.	S 17
S 18	9 22 42	22°42'04	26° 7	26°52	8°43	17°46	2°59	24°24	4°32	3°54	26°55	19°40	21°22	17° 4	n.a.	S 18
M19	9 26 39	23°41'24	10♈39	28°13	9°29	18°32	2°55	24°22	4°36	3°53	26°56	19°38	21°19	17°10	n.a.	M19
T 20	9 30 35	24°40'42	24°43	29°36	10°16	19°19	2°50	24°21	4°39	3°52	26°58	19°D38	21°16	17°17	n.a.	T 20
W21	9 34 32	25°39'57	8♉19	1♒ 0	11° 3	20° 6	2°45	24°20	4°43	3°51	26°59	19°39	21°13	17°24	n.a.	W21
T 22	9 38 28	26°39'10	21°29	2°25	11°51	20°52	2°41	24°19	4°46	3°50	27° 1	19°R40	21° 9	17°30	n.a.	T 22
F 23	9 42 25	27°38'20	4♊16	3°52	12°40	21°39	2°36	24°18	4°49	3°49	27° 2	19°40	21° 6	17°37	n.a.	F 23
S 24	9 46 21	28°37'28	16°44	5°21	13°30	22°25	2°30	24°17	4°53	3°47	27° 4	19°38	21° 3	17°44	n.a.	S 24
S 25	9 50 18	29°36'34	28°59	6°51	14°20	23°12	2°25	24°16	4°56	3°46	27° 5	19°34	21° 0	17°51	n.a.	S 25
M26	9 54 15	0♓35'37	11♋ 3	8°23	15°11	23°58	2°20	24°16	5° 0	3°45	27° 7	19°28	20°57	17°57	n.a.	M26
T 27	9 58 11	1°34'38	23° 0	9°56	16° 3	24°45	2°14	24°15	5° 3	3°43	27° 8	19°20	20°53	18° 4	n.a.	T 27
W28	10 2 8	2♓33'36	4♌53	11♒31	16♑55	25♑32	2♎ 9	24♊15	5♓ 6	3♎42	27♑10	19♈11	20♈50	18♌11	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s 5	23n11	4n48	22s16	1n 9	17s41	6n 5	24s33	0s51	0s 3	1n36	23n38	0s 3	11s 1	0s45	0n10	2n 1	32s21	11s26	8n25	8n47	21n 2		n.a.
F 2	18 50	19 16	4 24	22 25	0 57	17 48	5 59	24 32	0 52	0 3	1 36	23 38	0 3	11 0	0 45	0 11	2 1	32 21	11 26	8 20	8 46	21 0		n.a.
S 3	18 35	14 36	3 48	22 34	0 45	17 55	5 52	24 30	0 52	0 2	1 37	23 38	0 3	10 58	0 45	0 11	2 1	32 21	11 26	8 16	8 45	20 58		n.a.
S 4	18 19	9 24	3 3	22 42	0 33	18 1	5 45	24 29	0 53	0 1	1 37	23 38	0 3	10 57	0 45	0 11	2 1	32 20	11 26	8 12	8 44	20 55		n.a.
M 5	18 3	3 50	2 9	22 49	0 22	18 8	5 38	24 27	0 54	0n 0	1 37	23 38	0 3	10 56	0 45	0 12	2 1	32 20	11 26	8 10	8 43	20 53		n.a.
T 6	17 46	1s56	1 9	22 55	0 11	18 15	5 31	24 24	0 54	0 1	1 37	23 38	0 3	10 55	0 45	0 12	2 1	32 20	11 26	8 9	8 41	20 50		n.a.
W 7	17 30	7 42	0 5	23 0	0 0	18 22	5 24	24 22	0 55	0 2	1 38	23 38	0 2	10 54	0 45	0 12	2 1	32 20	11 26	8 9	8 40	20 48		n.a.
T 8	17 13	13 19	1s 1	23 4	0s10	18 29	5 17	24 19	0 55	0 4	1 38	23 38	0 2	10 53	0 45	0 13	2 2	32 19	11 26	8 9	8 39	20 46		n.a.
F 9	16 56	18 31	2 5	23 7	0 20	18 35	5 10	24 16	0 56	0 5	1 38	23 38	0 2	10 51	0 45	0 13	2 2	32 19	11 26	8 9	8 38	20 43		n.a.
S 10	16 38	23 1	3 5	23 8	0 30	18 42	5 3	24 13	0 57	0 6	1 38	23 38	0 2	10 50	0 45	0 14	2 2	32 19	11 27	8 9	8 37	20 41		n.a.
S 11	16 20	26 25	3 57	23 9	0 39	18 48	4 55	24 9	0 57	0 8	1 38	23 38	0 2	10 49	0 45	0 14	2 2	32 19	11 27	8 8	8 35	20 38		n.a.
M12	16 2	28 19	4 36	23 8	0 48	18 54	4 48	24 5	0 58	0 9	1 39	23 38	0 2	10 48	0 45	0 15	2 2	32 19	11 27	8 6	8 34	20 36		n.a.
T 13	15 44	28 20	4 59	23 6	0 56	19 0	4 40	24 1	0 58	0 11	1 39	23 38	0 2	10 46	0 45	0 15	2 2	32 18	11 27	8 3	8 33	20 33		n.a.
W14	15 25	26 18	5 2	23 3	1 4	19 6	4 33	23 56	0 59	0 12	1 39	23 38	0 2	10 45	0 45	0 15	2 2	32 18	11 27	8 0	8 32	20 31		n.a.
T 15	15 6	22 22	4 44	22 58	1 12	19 12	4 26	23 51	1 0	0 14	1 39	23 38	0 2	10 44	0 44	0 16	2 2	32 18	11 27	7 56	8 30	20 29		n.a.
F 16	14 47	16 53	4 6	22 52	1 19	19 17	4 18	23 46	1 0	0 16	1 40	23 38	0 1	10 43	0 44	0 16	2 2	32 18	11 27	7 53	8 29	20 26		n.a.
S 17	14 28	10 24	3 10	22 44	1 26	19 22	4 11	23 41	1 1	0 17	1 40	23 38	0 1	10 41	0 44	0 17	2 2	32 18	11 28	7 50	8 28	20 24		n.a.
S 18	14 9	3 26	2 2	22 35	1 33	19 26	4 3	23 36	1 1	0 19	1 40	23 38	0 1	10 40	0 44	0 17	2 2	32 17	11 28	7 48	8 27	20 21		n.a.
M19	13 49	3n32	0 48	22 25	1 39	19 31	3 56	23 30	1 2	0 21	1 40	23 38	0 1	10 39	0 44	0 18	2 2	32 17	11 28	7 47	8 26	20 19		n.a.
T 20	13 29	10 8	0n27	22 13	1 44	19 35	3 49	23 24	1 2	0 23	1 40	23 38	0 1	10 38	0 44	0 18	2 2	32 17	11 28	7 47	8 24	20 16		n.a.
W21	13 9	16 2	1 39	22 0	1 49	19 38	3 41	23 17	1 3	0 25	1 40	23 38	0 1	10 36	0 44	0 19	2 2	32 17	11 28	7 48	8 23	20 14		n.a.
T 22	12 48	21 0	2 42	21 45	1 54	19 42	3 34	23 11	1 3	0 27	1 41	23 38	0 1	10 35	0 44	0 19	2 2	32 17	11 28	7 48	8 22	20 11		n.a.
F 23	12 28	24 50	3 36	21 28	1 58	19 44	3 27	23 4	1 4	0 30	1 41	23 39	0 1	10 34	0 44	0 20	2 2	32 17	11 29	7 48	8 21	20 9		n.a.
S 24	12 7	27 23	4 18	21 10	2 2	19 47	3 19	22 57	1 5	0 32	1 41	23 39	0 1	10 33	0 44	0 20	2 2	32 17	11 29	7 47	8 20	20 6		n.a.
S 25	11 46	28 34	4 47	20 51	2 6	19 49	3 12	22 49	1 5	0 34	1 41	23 39	0 1	10 31	0 44	0 21	2 2	32 16	11 29	7 46	8 18	20 4		n.a.
M26	11 25	28 21	5 3	20 29	2 9	19 50	3 5	22 42	1 6	0 36	1 41	23 39	0 0	10 30	0 44	0 22	2 2	32 16	11 29	7 43	8 17	20 1		n.a.
T 27	11 4	26 49	5 6	20 7	2 11	19 52	2 58	22 34	1 6	0 39	1 42	23 39	0 0	10 29	0 44	0 22	2 2	32 16	11 29	7 40	8 16	19 59		n.a.
W28	10s42	24n 5	4n55	19s42	2s13	19s52	2n50	22s26	1s 7	0n41	1n42	23n39	0s 0	10s28	0s44	0n23	2n 3	32s16	11s30	7n37	8n15	19n56		n.a.

Julian Day Number = 1474545.5, Delta T = 05h28m02s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'30, Lahiri = -13°17'30 Julian Calendar 1 Feb. 676 BCE == Greg. Calendar 25 Jan. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

MARCH 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 6 4	3♓32'32	16♌45	13♒ 7	17♑48	26♑18	2°R 3	24°R15	5♓10	3°R41	27♑11	19°R 2	20♈47	18♌17	n.a.	T 1
F 2	10 10 1	4°31'26	28°36	14°45	18°42	27° 5	1♎57	24♊15	5°13	3♎39	27°12	18♈54	20°44	18°24	n.a.	F 2
S 3	10 13 57	5°30'18	10♍30	16°24	19°36	27°51	1°51	24°D14	5°17	3°38	27°14	18°47	20°41	18°31	n.a.	S 3
S 4	10 17 54	6°29'07	22°27	18° 5	20°31	28°37	1°45	24°15	5°20	3°37	27°15	18°42	20°38	18°37	n.a.	S 4
M 5	10 21 50	7°27'55	4♎30	19°47	21°26	29°24	1°38	24°15	5°24	3°35	27°16	18°39	20°34	18°44	n.a.	M 5
T 6	10 25 47	8°26'40	16°40	21°30	22°22	0♒10	1°32	24°15	5°27	3°34	27°18	18°D37	20°31	18°51	n.a.	T 6
W 7	10 29 44	9°25'24	29° 0	23°16	23°18	0°57	1°25	24°15	5°30	3°32	27°19	18°38	20°28	18°58	n.a.	W 7
T 8	10 33 40	10°24'05	11♏34	25° 2	24°15	1°43	1°19	24°16	5°34	3°31	27°20	18°39	20°25	19° 4	n.a.	T 8
F 9	10 37 37	11°22'45	24°24	26°50	25°12	2°30	1°12	24°16	5°37	3°29	27°22	18°41	20°22	19°11	n.a.	F 9
S 10	10 41 33	12°21'24	7♐34	28°40	26° 9	3°16	1° 5	24°17	5°41	3°28	27°23	18°R42	20°19	19°18	n.a.	S 10
S 11	10 45 30	13°20'00	21° 7	0♓31	27° 7	4° 2	0°58	24°18	5°44	3°26	27°24	18°42	20°15	19°24	n.a.	S 11
M12	10 49 26	14°18'35	5♑ 5	2°24	28° 6	4°49	0°51	24°19	5°47	3°25	27°26	18°40	20°12	19°31	n.a.	M12
T 13	10 53 23	15°17'08	19°27	4°19	29° 4	5°35	0°44	24°20	5°51	3°23	27°27	18°37	20° 9	19°38	n.a.	T 13
W14	10 57 19	16°15'39	4♒10	6°14	0♒ 4	6°21	0°37	24°21	5°54	3°22	27°28	18°33	20° 6	19°45	n.a.	W14
T 15	11 1 16	17°14'09	19° 9	8°12	1° 3	7° 8	0°30	24°22	5°58	3°20	27°29	18°28	20° 3	19°51	n.a.	T 15
F 16	11 5 13	18°12'36	4♓16	10°11	2° 3	7°54	0°23	24°24	6° 1	3°19	27°30	18°24	19°59	19°58	n.a.	F 16
S 17	11 9 9	19°11'02	19°21	12°11	3° 3	8°40	0°15	24°25	6° 4	3°17	27°32	18°21	19°56	20° 5	n.a.	S 17
S 18	11 13 6	20° 9'25	4♈15	14°13	4° 4	9°26	0° 8	24°27	6° 8	3°16	27°33	18°19	19°53	20°11	n.a.	S 18
M19	11 17 2	21° 7'47	18°49	16°16	5° 5	10°12	0° 0	24°28	6°11	3°14	27°34	18°D18	19°50	20°18	n.a.	M19
T 20	11 20 59	22° 6'06	3♉ 0	18°20	6° 6	10°59	29♍53	24°30	6°14	3°13	27°35	18°19	19°47	20°25	n.a.	T 20
W21	11 24 55	23° 4'24	16°44	20°26	7° 7	11°45	29°45	24°32	6°18	3°11	27°36	18°20	19°44	20°31	n.a.	W21
T 22	11 28 52	24° 2'39	0♊ 1	22°32	8° 9	12°31	29°38	24°34	6°21	3° 9	27°37	18°22	19°40	20°38	n.a.	T 22
F 23	11 32 48	25° 0'52	12°55	24°40	9°11	13°17	29°30	24°36	6°24	3° 8	27°38	18°23	19°37	20°45	n.a.	F 23
S 24	11 36 45	25°59'03	25°27	26°48	10°13	14° 3	29°23	24°38	6°27	3° 6	27°39	18°R23	19°34	20°52	n.a.	S 24
S 25	11 40 41	26°57'12	7♋43	28°57	11°16	14°49	29°15	24°41	6°31	3° 5	27°40	18°23	19°31	20°58	n.a.	S 25
M26	11 44 38	27°55'19	19°46	1♈ 5	12°18	15°35	29° 7	24°43	6°34	3° 3	27°41	18°21	19°28	21° 5	n.a.	M26
T 27	11 48 35	28°53'24	1♌42	3°14	13°21	16°21	29° 0	24°45	6°37	3° 1	27°42	18°19	19°25	21°12	n.a.	T 27
W28	11 52 31	29°51'27	13°33	5°23	14°25	17° 7	28°52	24°48	6°40	3° 0	27°43	18°17	19°21	21°18	n.a.	W28
T 29	11 56 28	0♈49'27	25°24	7°31	15°28	17°53	28°44	24°51	6°44	2°58	27°44	18°14	19°18	21°25	n.a.	T 29
F 30	12 0 24	1°47'26	7♍18	9°38	16°32	18°38	28°37	24°53	6°47	2°56	27°45	18°11	19°15	21°32	n.a.	F 30
S 31	12 4 21	2♈45'23	19♍16	11♈45	17♒36	19♒24	28♍29	24♊56	6♓50	2♎55	27♑46	18♈ 9	19♈12	21♌38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	10s21	20n21	4n32	19s16	2s15	19s53	2n43	22s17	1s 7	0n44	1n42	23n39	0s 0	10s26	0s44	0n23	2n 3	32s16	11s30	7n33	8n14	19n54			n.a.
F 2	9 59	15 49	3 57	18 48	2 16	19 52	2 36	22 9	1 8	0 46	1 42	23 39	0n 0	10 25	0 44	0 24	2 3	32 16	11 30	7 30	8 12	19 51			n.a.
S 3	9 37	10 41	3 11	18 19	2 16	19 52	2 29	22 0	1 8	0 49	1 42	23 39	0 0	10 24	0 44	0 24	2 3	32 16	11 30	7 27	8 11	19 49			n.a.
S 4	9 15	5 8	2 17	17 47	2 16	19 50	2 22	21 51	1 9	0 51	1 42	23 39	0 0	10 22	0 44	0 25	2 3	32 16	11 30	7 26	8 10	19 46			n.a.
M 5	8 53	0s39	1 16	17 14	2 16	19 49	2 16	21 42	1 9	0 54	1 42	23 39	0 0	10 21	0 44	0 26	2 3	32 16	11 31	7 24	8 9	19 44			n.a.
T 6	8 31	6 29	0 11	16 40	2 15	19 47	2 9	21 32	1 10	0 57	1 42	23 40	0 0	10 20	0 44	0 26	2 3	32 16	11 31	7 24	8 8	19 41			n.a.
W 7	8 9	12 9	0s56	16 4	2 14	19 44	2 2	21 22	1 10	0 59	1 43	23 40	0 1	10 19	0 44	0 27	2 3	32 16	11 31	7 24	8 6	19 38			n.a.
T 8	7 46	17 26	2 2	15 25	2 12	19 41	1 55	21 12	1 11	1 2	1 43	23 40	0 1	10 17	0 44	0 27	2 3	32 16	11 31	7 25	8 5	19 36			n.a.
F 9	7 24	22 5	3 2	14 46	2 9	19 37	1 49	21 2	1 11	1 5	1 43	23 40	0 1	10 16	0 44	0 28	2 3	32 15	11 32	7 25	8 4	19 33			n.a.
S 10	7 1	25 45	3 55	14 4	2 6	19 33	1 42	20 52	1 11	1 8	1 43	23 40	0 1	10 15	0 44	0 29	2 3	32 15	11 32	7 26	8 3	19 31			n.a.
S 11	6 38	28 5	4 37	13 21	2 3	19 28	1 36	20 41	1 12	1 11	1 43	23 40	0 1	10 14	0 44	0 29	2 3	32 15	11 32	7 26	8 1	19 28			n.a.
M12	6 16	28 44	5 3	12 37	1 59	19 23	1 30	20 30	1 12	1 14	1 43	23 40	0 1	10 12	0 44	0 30	2 3	32 15	11 32	7 25	8 0	19 26			n.a.
T 13	5 53	27 29	5 12	11 50	1 54	19 17	1 23	20 19	1 13	1 17	1 43	23 40	0 1	10 11	0 44	0 31	2 3	32 15	11 33	7 24	7 59	19 23			n.a.
W14	5 30	24 21	5 0	11 2	1 49	19 10	1 17	20 8	1 13	1 19	1 43	23 41	0 1	10 10	0 44	0 31	2 3	32 15	11 33	7 22	7 58	19 20			n.a.
T 15	5 7	19 32	4 29	10 12	1 43	19 3	1 11	19 56	1 14	1 22	1 43	23 41	0 1	10 8	0 44	0 32	2 3	32 15	11 33	7 20	7 57	19 18			n.a.
F 16	4 44	13 27	3 38	9 21	1 37	18 56	1 5	19 45	1 14	1 25	1 43	23 41	0 1	10 7	0 44	0 32	2 3	32 15	11 33	7 19	7 55	19 15			n.a.
S 17	4 20	6 36	2 32	8 29	1 30	18 48	0 59	19 33	1 14	1 28	1 43	23 41	0 1	10 6	0 44	0 33	2 3	32 15	11 34	7 17	7 54	19 13			n.a.
S 18	3 57	0n33	1 16	7 34	1 23	18 39	0 53	19 21	1 15	1 31	1 43	23 41	0 2	10 5	0 44	0 34	2 3	32 15	11 34	7 17	7 53	19 10			n.a.
M19	3 34	7 31	0n 3	6 39	1 15	18 30	0 47	19 8	1 15	1 34	1 43	23 41	0 2	10 4	0 44	0 34	2 3	32 15	11 34	7 16	7 52	19 7			n.a.
T 20	3 11	13 56	1 20	5 42	1 7	18 21	0 41	18 56	1 16	1 38	1 43	23 42	0 2	10 2	0 44	0 35	2 3	32 15	11 34	7 17	7 51	19 5			n.a.
W21	2 47	19 28	2 30	4 44	0 59	18 11	0 36	18 43	1 16	1 41	1 43	23 42	0 2	10 1	0 44	0 36	2 3	32 15	11 35	7 17	7 49	19 2			n.a.
T 22	2 24	23 51	3 29	3 45	0 49	18 0	0 30	18 31	1 16	1 44	1 43	23 42	0 2	10 0	0 44	0 36	2 3	32 16	11 35	7 18	7 48	18 59			n.a.
F 23	2 0	26 54	4 16	2 45	0 40	17 49	0 25	18 18	1 17	1 47	1 43	23 42	0 2	9 59	0 44	0 37	2 3	32 16	11 35	7 18	7 47	18 57			n.a.
S 24	1 37	28 32	4 50	1 45	0 30	17 37	0 19	18 5	1 17	1 50	1 43	23 42	0 2	9 57	0 45	0 38	2 3	32 16	11 36	7 18	7 46	18 54			n.a.
S 25	1 14	28 42	5 9	0 44	0 20	17 25	0 14	17 51	1 17	1 53	1 43	23 42	0 2	9 56	0 45	0 38	2 3	32 16	11 36	7 18	7 44	18 52			n.a.
M26	0 50	27 29	5 15	0n18	0 9	17 12	0 9	17 38	1 18	1 56	1 43	23 43	0 2	9 55	0 45	0 39	2 3	32 16	11 36	7 18	7 43	18 49			n.a.
T 27	0 27	25 2	5 6	1 20	0n 1	16 59	0 4	17 24	1 18	1 59	1 43	23 43	0 2	9 54	0 45	0 40	2 3	32 16	11 36	7 17	7 42	18 46			n.a.
W28	0 3	21 32	4 45	2 21	0 12	16 45	0s 1	17 10	1 19	2 2	1 43	23 43	0 3	9 53	0 45	0 40	2 3	32 16	11 37	7 16	7 41	18 44			n.a.
T 29	0n20	17 10	4 11	3 23	0 23	16 31	0 6	16 56	1 19	2 5	1 43	23 43	0 3	9 51	0 45	0 41	2 3	32 16	11 37	7 15	7 40	18 41			n.a.
F 30	0 43	12 9	3 27	4 23	0 34	16 17	0 11	16 42	1 19	2 8	1 43	23 43	0 3	9 50	0 45	0 42	2 3	32 16	11 37	7 14	7 38	18 38			n.a.
S 31	1n 7	6n38	2n33	5n23	0n45	16s 1	0s15	16s28	1s19	2n11	1n43	23n44	0n 3	9s49	0s45	0n42	2n 3	32s16	11s38	7n13	7n37	18n36			n.a.

Julian Day Number = 1474573.5, Delta T = 05h28m00s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'27, Lahiri = -13°17'26 Julian Calendar 1 March 676 BCE == Greg. Calendar 22 Feb. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

APRIL 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 8 17	3♈43'18	1♎21	13♈49	18♒40	20♒10	28°R21	24♊59	6♓53	2°R53	27♑46	18°R 8	19♈ 9	21♌45	n.a.	S 1
M 2	12 12 14	4°41'11	13°36	15°52	19°44	20°56	28♍14	25° 2	6°56	2♎52	27°47	18°D 7	19° 5	21°52	n.a.	M 2
T 3	12 16 10	5°39'03	26° 0	17°53	20°49	21°41	28° 6	25° 6	6°59	2°50	27°48	18♈ 7	19° 2	21°59	n.a.	T 3
W 4	12 20 7	6°36'53	8♏36	19°52	21°53	22°27	27°59	25° 9	7° 2	2°48	27°49	18° 8	18°59	22° 5	n.a.	W 4
T 5	12 24 4	7°34'42	21°26	21°48	22°58	23°13	27°51	25°12	7° 5	2°47	27°50	18° 9	18°56	22°12	n.a.	T 5
F 6	12 28 0	8°32'30	4♐29	23°42	24° 3	23°58	27°44	25°16	7° 8	2°45	27°50	18°10	18°53	22°19	n.a.	F 6
S 7	12 31 57	9°30'16	17°49	25°33	25° 9	24°44	27°36	25°19	7°11	2°43	27°51	18°10	18°50	22°25	n.a.	S 7
S 8	12 35 53	10°28'01	1♑25	27°20	26°14	25°29	27°29	25°23	7°14	2°42	27°52	18°11	18°46	22°32	n.a.	S 8
M 9	12 39 50	11°25'45	15°19	29° 5	27°20	26°15	27°22	25°26	7°17	2°40	27°52	18°R11	18°43	22°39	n.a.	M 9
T 10	12 43 46	12°23'27	29°30	0♉47	28°25	27° 0	27°15	25°30	7°20	2°39	27°53	18°11	18°40	22°45	n.a.	T 10
W11	12 47 43	13°21'09	13♒55	2°25	29°31	27°45	27° 8	25°34	7°23	2°37	27°54	18°10	18°37	22°52	n.a.	W11
T 12	12 51 39	14°18'49	28°32	4° 0	0♓37	28°31	27° 0	25°38	7°26	2°35	27°54	18°10	18°34	22°59	n.a.	T 12
F 13	12 55 36	15°16'28	13♓15	5°31	1°44	29°16	26°53	25°42	7°29	2°34	27°55	18° 9	18°30	23° 6	n.a.	F 13
S 14	12 59 33	16°14'05	27°58	6°59	2°50	0♓ 1	26°47	25°46	7°32	2°32	27°55	18° 9	18°27	23°12	n.a.	S 14
S 15	13 3 29	17°11'42	12♈34	8°24	3°57	0°46	26°40	25°51	7°35	2°31	27°56	18° 9	18°24	23°19	n.a.	S 15
M16	13 7 26	18° 9'17	26°57	9°45	5° 3	1°32	26°33	25°55	7°38	2°29	27°56	18° 9	18°21	23°26	n.a.	M16
T 17	13 11 22	19° 6'51	11♉ 2	11° 2	6°10	2°17	26°26	25°59	7°40	2°28	27°57	18° 9	18°18	23°32	n.a.	T 17
W18	13 15 19	20° 4'23	24°45	12°15	7°17	3° 2	26°20	26° 4	7°43	2°26	27°57	18° 9	18°15	23°39	n.a.	W18
T 19	13 19 15	21° 1'54	8♊ 5	13°25	8°24	3°47	26°14	26° 8	7°46	2°24	27°58	18° 9	18°11	23°46	n.a.	T 19
F 20	13 23 12	21°59'24	21° 2	14°31	9°31	4°32	26° 7	26°13	7°48	2°23	27°58	18° 8	18° 8	23°52	n.a.	F 20
S 21	13 27 8	22°56'52	3♋38	15°34	10°38	5°17	26° 1	26°18	7°51	2°21	27°59	18° 8	18° 5	23°59	n.a.	S 21
S 22	13 31 5	23°54'19	15°57	16°32	11°46	6° 1	25°55	26°23	7°54	2°20	27°59	18° 8	18° 2	24° 6	n.a.	S 22
M23	13 35 2	24°51'44	28° 2	17°26	12°53	6°46	25°49	26°27	7°56	2°19	27°59	18°D 8	17°59	24°13	n.a.	M23
T 24	13 38 58	25°49'08	9♌58	18°17	14° 1	7°31	25°43	26°32	7°59	2°17	28° 0	18° 8	17°56	24°19	n.a.	T 24
W25	13 42 55	26°46'30	21°50	19° 3	15° 8	8°16	25°38	26°37	8° 1	2°16	28° 0	18° 8	17°52	24°26	n.a.	W25
T 26	13 46 51	27°43'52	3♍42	19°45	16°16	9° 0	25°32	26°43	8° 4	2°14	28° 0	18° 9	17°49	24°33	n.a.	T 26
F 27	13 50 48	28°41'11	15°38	20°22	17°24	9°45	25°27	26°48	8° 6	2°13	28° 0	18°10	17°46	24°39	n.a.	F 27
S 28	13 54 44	29°38'30	27°42	20°56	18°32	10°29	25°21	26°53	8° 9	2°11	28° 1	18°11	17°43	24°46	n.a.	S 28
S 29	13 58 41	0♉35'48	9♎56	21°25	19°40	11°14	25°16	26°58	8°11	2°10	28° 1	18°12	17°40	24°53	n.a.	S 29
M30	14 2 37	1♉33'04	22♎24	21♉49	20♓48	11♓58	25♍11	27♊ 4	8♓14	2♎ 9	28♑ 1	18°R12	17♈36	24♌59	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n30	0n51	1n31	6n22	0n55	15s46	0s20	16s14	1s20	2n14	1n43	23n44	0n 3	9s48	0s45	0n43	2n 3	32s16	11s38	7n12	7n36	18n33		n.a.
M 2	1 53	5s 3	0 25	7 20	1 5	15 30	0 25	15 59	1 20	2 17	1 43	23 44	0 3	9 47	0 45	0 44	2 3	32 16	11 38	7 12	7 35	18 30		n.a.
T 3	2 17	10 51	0s43	8 16	1 15	15 13	0 29	15 44	1 20	2 20	1 43	23 44	0 3	9 46	0 45	0 44	2 3	32 17	11 39	7 12	7 33	18 28		n.a.
W 4	2 40	16 19	1 51	9 11	1 25	14 56	0 33	15 30	1 21	2 23	1 43	23 45	0 3	9 44	0 45	0 45	2 3	32 17	11 39	7 12	7 32	18 25		n.a.
T 5	3 3	21 10	2 54	10 4	1 34	14 39	0 38	15 15	1 21	2 26	1 43	23 45	0 3	9 43	0 45	0 46	2 3	32 17	11 39	7 13	7 31	18 22		n.a.
F 6	3 26	25 6	3 49	10 55	1 43	14 21	0 42	15 0	1 21	2 29	1 43	23 45	0 3	9 42	0 45	0 46	2 3	32 17	11 40	7 13	7 30	18 19		n.a.
S 7	3 49	27 45	4 34	11 44	1 51	14 2	0 46	14 44	1 21	2 32	1 43	23 45	0 3	9 41	0 45	0 47	2 3	32 17	11 40	7 13	7 29	18 17		n.a.
S 8	4 12	28 50	5 3	12 30	1 58	13 44	0 50	14 29	1 22	2 35	1 42	23 45	0 4	9 40	0 45	0 48	2 3	32 17	11 40	7 14	7 27	18 14		n.a.
M 9	4 35	28 7	5 16	13 15	2 5	13 24	0 53	14 14	1 22	2 37	1 42	23 46	0 4	9 39	0 45	0 48	2 3	32 18	11 40	7 14	7 26	18 11		n.a.
T 10	4 58	25 36	5 11	13 57	2 11	13 5	0 57	13 58	1 22	2 40	1 42	23 46	0 4	9 38	0 45	0 49	2 3	32 18	11 41	7 14	7 25	18 9		n.a.
W11	5 21	21 26	4 46	14 37	2 17	12 45	1 1	13 43	1 22	2 43	1 42	23 46	0 4	9 37	0 45	0 49	2 3	32 18	11 41	7 13	7 24	18 6		n.a.
T 12	5 43	15 55	4 2	15 15	2 21	12 24	1 4	13 27	1 23	2 46	1 42	23 46	0 4	9 35	0 45	0 50	2 3	32 18	11 41	7 13	7 22	18 3		n.a.
F 13	6 6	9 28	3 2	15 50	2 25	12 3	1 7	13 11	1 23	2 48	1 42	23 46	0 4	9 34	0 45	0 51	2 3	32 18	11 42	7 13	7 21	18 0		n.a.
S 14	6 28	2 30	1 50	16 22	2 29	11 42	1 11	12 55	1 23	2 51	1 42	23 47	0 4	9 33	0 45	0 51	2 3	32 18	11 42	7 13	7 20	17 58		n.a.
S 15	6 51	4n34	0 31	16 53	2 31	11 21	1 14	12 39	1 23	2 54	1 42	23 47	0 4	9 32	0 45	0 52	2 3	32 19	11 42	7 13	7 19	17 55		n.a.
M16	7 13	11 17	0n49	17 21	2 32	10 59	1 17	12 23	1 23	2 56	1 41	23 47	0 4	9 31	0 45	0 53	2 3	32 19	11 43	7 13	7 18	17 52		n.a.
T 17	7 35	17 18	2 4	17 46	2 33	10 37	1 20	12 6	1 24	2 59	1 41	23 47	0 4	9 30	0 45	0 53	2 3	32 19	11 43	7 13	7 16	17 49		n.a.
W18	7 57	22 17	3 9	18 9	2 33	10 14	1 23	11 50	1 24	3 1	1 41	23 48	0 4	9 29	0 45	0 54	2 3	32 19	11 43	7 13	7 15	17 47		n.a.
T 19	8 19	25 58	4 3	18 30	2 32	9 51	1 26	11 34	1 24	3 4	1 41	23 48	0 5	9 28	0 45	0 54	2 3	32 20	11 44	7 13	7 14	17 44		n.a.
F 20	8 41	28 10	4 42	18 48	2 30	9 28	1 28	11 17	1 24	3 6	1 41	23 48	0 5	9 27	0 45	0 55	2 3	32 20	11 44	7 13	7 13	17 41		n.a.
S 21	9 3	28 50	5 7	19 4	2 27	9 5	1 31	11 1	1 24	3 8	1 40	23 48	0 5	9 26	0 45	0 56	2 3	32 20	11 44	7 12	7 11	17 38		n.a.
S 22	9 24	28 3	5 17	19 18	2 23	8 41	1 33	10 44	1 24	3 10	1 40	23 48	0 5	9 25	0 45	0 56	2 3	32 20	11 45	7 12	7 10	17 36		n.a.
M23	9 46	25 56	5 12	19 29	2 19	8 17	1 35	10 27	1 24	3 13	1 40	23 49	0 5	9 24	0 45	0 57	2 3	32 21	11 45	7 12	7 9	17 33		n.a.
T 24	10 7	22 43	4 54	19 39	2 13	7 53	1 38	10 11	1 25	3 15	1 40	23 49	0 5	9 23	0 45	0 57	2 3	32 21	11 45	7 12	7 8	17 30		n.a.
W25	10 28	18 35	4 24	19 46	2 7	7 28	1 40	9 54	1 25	3 17	1 40	23 49	0 5	9 22	0 45	0 58	2 3	32 21	11 46	7 13	7 6	17 27		n.a.
T 26	10 49	13 44	3 42	19 50	1 59	7 3	1 42	9 37	1 25	3 19	1 39	23 49	0 5	9 22	0 45	0 58	2 3	32 21	11 46	7 13	7 5	17 24		n.a.
F 27	11 10	8 21	2 51	19 53	1 51	6 38	1 44	9 20	1 25	3 21	1 39	23 50	0 5	9 21	0 45	0 59	2 3	32 22	11 47	7 13	7 4	17 22		n.a.
S 28	11 30	2 37	1 51	19 53	1 42	6 13	1 46	9 3	1 25	3 23	1 39	23 50	0 5	9 20	0 45	0 59	2 3	32 22	11 47	7 14	7 3	17 19		n.a.
S 29	11 51	3s18	0 46	19 51	1 32	5 47	1 47	8 46	1 25	3 25	1 39	23 50	0 5	9 19	0 45	1 0	2 3	32 22	11 47	7 14	7 2	17 16		n.a.
M30	12n11	9s12	0s23	19n47	1n21	5s21	1s49	8s29	1s25	3n27	1n38	23n50	0n 5	9s18	0s45	1n 1	2n 3	32s23	11s48	7n14	7n 0	17n13		n.a.

Julian Day Number = 1474604.5, Delta T = 05h27m59s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'22, Lahiri = -13°17'22 Julian Calendar 1 Apr. 676 BCE == Greg. Calendar 25 March 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

MAY 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 6 34	2♉30'20	5♏ 5	22♉ 9	21♓57	12♓42	25°R 6	27♊ 9	8♓16	2°R 7	28♑ 1	18°R11	17♈33	25♌ 6	n.a.	T 1
W 2	14 10 31	3°27'35	18° 2	22°24	23° 5	13°27	25♍ 2	27°15	8°18	2♎ 6	28° 1	18♈10	17°30	25°13	n.a.	W 2
T 3	14 14 27	4°24'49	1♐14	22°35	24°14	14°11	24°57	27°20	8°20	2° 5	28° 1	18° 8	17°27	25°20	n.a.	T 3
F 4	14 18 24	5°22'03	14°40	22°41	25°22	14°55	24°53	27°26	8°23	2° 3	28° 1	18° 6	17°24	25°26	n.a.	F 4
S 5	14 22 20	6°19'16	28°19	22°R42	26°31	15°39	24°48	27°32	8°25	2° 2	28° 1	18° 4	17°21	25°33	n.a.	S 5
S 6	14 26 17	7°16'28	12♑ 9	22°39	27°40	16°23	24°44	27°37	8°27	2° 1	28°R 1	18° 2	17°17	25°40	n.a.	S 6
M 7	14 30 13	8°13'41	26° 9	22°32	28°49	17° 7	24°40	27°43	8°29	1°59	28° 1	18° 0	17°14	25°46	n.a.	M 7
T 8	14 34 10	9°10'52	10♒17	22°20	29°58	17°51	24°37	27°49	8°31	1°58	28° 1	18°D 0	17°11	25°53	n.a.	T 8
W 9	14 38 6	10° 8'04	24°31	22° 5	1♈ 7	18°35	24°33	27°55	8°33	1°57	28° 1	18° 0	17° 8	26° 0	n.a.	W 9
T 10	14 42 3	11° 5'15	8♓49	21°45	2°16	19°19	24°30	28° 1	8°35	1°56	28° 1	18° 2	17° 5	26° 6	n.a.	T 10
F 11	14 46 0	12° 2'25	23° 8	21°22	3°25	20° 2	24°26	28° 7	8°37	1°55	28° 1	18° 3	17° 2	26°13	n.a.	F 11
S 12	14 49 56	12°59'35	7♈24	20°56	4°34	20°46	24°23	28°13	8°39	1°54	28° 1	18° 4	16°58	26°20	n.a.	S 12
S 13	14 53 53	13°56'45	21°35	20°28	5°44	21°30	24°20	28°19	8°41	1°52	28° 1	18°R 4	16°55	26°26	n.a.	S 13
M14	14 57 49	14°53'55	5♉36	19°57	6°53	22°13	24°18	28°26	8°43	1°51	28° 1	18° 3	16°52	26°33	n.a.	M14
T 15	15 1 46	15°51'04	19°23	19°24	8° 3	22°57	24°15	28°32	8°44	1°50	28° 0	18° 1	16°49	26°40	n.a.	T 15
W16	15 5 42	16°48'13	2♊55	18°51	9°12	23°40	24°13	28°38	8°46	1°49	28° 0	17°57	16°46	26°47	n.a.	W16
T 17	15 9 39	17°45'22	16° 7	18°16	10°22	24°23	24°10	28°45	8°48	1°48	28° 0	17°53	16°42	26°53	n.a.	T 17
F 18	15 13 35	18°42'30	29° 1	17°42	11°32	25° 7	24° 8	28°51	8°49	1°47	28° 0	17°48	16°39	27° 0	n.a.	F 18
S 19	15 17 32	19°39'38	11♋36	17° 8	12°41	25°50	24° 7	28°58	8°51	1°46	27°59	17°44	16°36	27° 7	n.a.	S 19
S 20	15 21 29	20°36'45	23°55	16°35	13°51	26°33	24° 5	29° 4	8°53	1°45	27°59	17°40	16°33	27°13	n.a.	S 20
M21	15 25 25	21°33'51	6♌ 1	16° 4	15° 1	27°16	24° 3	29°11	8°54	1°44	27°59	17°37	16°30	27°20	n.a.	M21
T 22	15 29 22	22°30'57	17°57	15°36	16°11	27°59	24° 2	29°18	8°56	1°43	27°58	17°D36	16°27	27°27	n.a.	T 22
W23	15 33 18	23°28'03	29°49	15°10	17°21	28°42	24° 1	29°24	8°57	1°43	27°58	17°36	16°23	27°33	n.a.	W23
T 24	15 37 15	24°25'08	11♍41	14°47	18°31	29°24	24° 0	29°31	8°58	1°42	27°57	17°37	16°20	27°40	n.a.	T 24
F 25	15 41 11	25°22'13	23°38	14°28	19°41	0♈ 7	23°59	29°38	9° 0	1°41	27°57	17°39	16°17	27°47	n.a.	F 25
S 26	15 45 8	26°19'17	5♎46	14°12	20°52	0°50	23°59	29°45	9° 1	1°40	27°56	17°40	16°14	27°53	n.a.	S 26
S 27	15 49 5	27°16'21	18° 7	14° 1	22° 2	1°32	23°58	29°51	9° 2	1°39	27°56	17°R41	16°11	28° 0	n.a.	S 27
M28	15 53 1	28°13'25	0♏45	13°55	23°12	2°15	23°58	29°58	9° 4	1°39	27°55	17°40	16° 7	28° 7	n.a.	M28
T 29	15 56 58	29°10'29	13°43	13°D53	24°23	2°57	23°D58	0♋ 5	9° 5	1°38	27°55	17°37	16° 4	28°14	n.a.	T 29
W30	16 0 54	0♊ 7'34	27° 1	13°56	25°33	3°40	23°58	0°12	9° 6	1°37	27°54	17°33	16° 1	28°20	n.a.	W30
T 31	16 4 51	1♊ 4'38	10♐37	14♉ 4	26♈44	4♈22	23♍58	0♋19	9♓ 7	1♎37	27♑54	17♈27	15♈58	28♌27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	12n31	14s51	1s32	19n41	1n10	4s56	1s50	8s12	1s25	3n28	1n38	23n50	0n 6	9s17	0s45	1n 1	2n 3	32s23	11s48	7n14	6n59	17n10			n.a.
W 2	12 51	19 58	2 37	19 33	0 57	4 29	1 52	7 54	1 25	3 30	1 38	23 51	0 6	9 16	0 45	1 2	2 3	32 23	11 48	7 13	6 58	17 8			n.a.
T 3	13 10	24 13	3 36	19 23	0 44	4 3	1 53	7 37	1 25	3 31	1 38	23 51	0 6	9 15	0 45	1 2	2 3	32 23	11 49	7 13	6 57	17 5			n.a.
F 4	13 30	27 14	4 23	19 11	0 30	3 37	1 54	7 20	1 25	3 33	1 37	23 51	0 6	9 15	0 45	1 3	2 3	32 24	11 49	7 12	6 55	17 2			n.a.
S 5	13 49	28 43	4 57	18 57	0 15	3 10	1 55	7 3	1 25	3 34	1 37	23 51	0 6	9 14	0 45	1 3	2 3	32 24	11 49	7 11	6 54	16 59			n.a.
S 6	14 8	28 25	5 13	18 41	0s 0	2 43	1 56	6 45	1 25	3 36	1 37	23 51	0 6	9 13	0 45	1 4	2 3	32 24	11 50	7 10	6 53	16 56			n.a.
M 7	14 27	26 19	5 12	18 24	0 16	2 16	1 57	6 28	1 25	3 37	1 37	23 52	0 6	9 12	0 45	1 4	2 3	32 25	11 50	7 10	6 52	16 53			n.a.
T 8	14 45	22 35	4 51	18 6	0 32	1 49	1 58	6 10	1 25	3 38	1 36	23 52	0 6	9 12	0 45	1 4	2 2	32 25	11 50	7 9	6 50	16 51			n.a.
W 9	15 4	17 30	4 13	17 46	0 49	1 22	1 59	5 53	1 25	3 40	1 36	23 52	0 6	9 11	0 46	1 5	2 2	32 25	11 51	7 10	6 49	16 48			n.a.
T 10	15 22	11 27	3 19	17 24	1 6	0 55	2 0	5 36	1 25	3 41	1 36	23 52	0 6	9 10	0 46	1 5	2 2	32 26	11 51	7 10	6 48	16 45			n.a.
F 11	15 40	4 48	2 13	17 2	1 23	0 27	2 0	5 18	1 25	3 42	1 36	23 52	0 6	9 9	0 46	1 6	2 2	32 26	11 51	7 11	6 47	16 42			n.a.
S 12	15 58	2n 5	0 58	16 39	1 39	0n 0	2 0	5 1	1 25	3 43	1 35	23 52	0 6	9 9	0 46	1 6	2 2	32 27	11 52	7 11	6 46	16 39			n.a.
S 13	16 15	8 50	0n19	16 15	1 56	0 28	2 1	4 43	1 25	3 44	1 35	23 53	0 7	9 8	0 46	1 7	2 2	32 27	11 52	7 11	6 44	16 36			n.a.
M14	16 32	15 4	1 35	15 52	2 12	0 55	2 1	4 26	1 25	3 45	1 35	23 53	0 7	9 7	0 46	1 7	2 2	32 27	11 52	7 11	6 43	16 33			n.a.
T 15	16 49	20 26	2 43	15 28	2 28	1 23	2 1	4 8	1 25	3 45	1 34	23 53	0 7	9 7	0 46	1 7	2 2	32 28	11 53	7 10	6 42	16 31			n.a.
W16	17 6	24 39	3 41	15 4	2 43	1 51	2 1	3 51	1 25	3 46	1 34	23 53	0 7	9 6	0 46	1 8	2 2	32 28	11 53	7 8	6 41	16 28			n.a.
T 17	17 22	27 27	4 26	14 41	2 57	2 18	2 1	3 33	1 25	3 47	1 34	23 53	0 7	9 5	0 46	1 8	2 2	32 28	11 53	7 7	6 39	16 25			n.a.
F 18	17 38	28 42	4 55	14 19	3 10	2 46	2 1	3 16	1 25	3 47	1 34	23 53	0 7	9 5	0 46	1 8	2 2	32 29	11 54	7 5	6 38	16 22			n.a.
S 19	17 54	28 25	5 10	13 57	3 22	3 14	2 1	2 58	1 25	3 48	1 33	23 54	0 7	9 4	0 46	1 9	2 2	32 29	11 54	7 3	6 37	16 19			n.a.
S 20	18 9	26 43	5 10	13 37	3 34	3 42	2 1	2 41	1 25	3 48	1 33	23 54	0 7	9 4	0 46	1 9	2 2	32 30	11 54	7 2	6 36	16 16			n.a.
M21	18 25	23 48	4 56	13 19	3 43	4 9	2 0	2 23	1 24	3 48	1 33	23 54	0 7	9 3	0 46	1 9	2 2	32 30	11 55	7 1	6 34	16 13			n.a.
T 22	18 40	19 56	4 29	13 3	3 52	4 37	2 0	2 6	1 24	3 49	1 32	23 54	0 7	9 3	0 46	1 10	2 2	32 30	11 55	7 0	6 33	16 10			n.a.
W23	18 54	15 18	3 51	12 48	3 59	5 5	1 59	1 49	1 24	3 49	1 32	23 54	0 7	9 2	0 46	1 10	2 2	32 31	11 55	7 0	6 32	16 7			n.a.
T 24	19 9	10 6	3 3	12 36	4 5	5 32	1 59	1 31	1 24	3 49	1 32	23 54	0 7	9 2	0 46	1 10	2 2	32 31	11 56	7 1	6 31	16 4			n.a.
F 25	19 23	4 30	2 7	12 27	4 9	6 0	1 58	1 14	1 24	3 49	1 32	23 54	0 8	9 1	0 46	1 11	2 2	32 31	11 56	7 1	6 29	16 2			n.a.
S 26	19 36	1s20	1 4	12 19	4 12	6 27	1 57	0 57	1 24	3 49	1 31	23 54	0 8	9 1	0 46	1 11	2 2	32 32	11 56	7 2	6 28	15 59			n.a.
S 27	19 50	7 14	0s 2	12 14	4 13	6 54	1 56	0 39	1 24	3 49	1 31	23 54	0 8	9 0	0 46	1 11	2 2	32 32	11 56	7 2	6 27	15 56			n.a.
M28	20 3	13 0	1 10	12 12	4 14	7 22	1 55	0 22	1 23	3 49	1 31	23 55	0 8	9 0	0 46	1 11	2 2	32 33	11 57	7 2	6 26	15 53			n.a.
T 29	20 15	18 21	2 16	12 13	4 13	7 49	1 54	0 5	1 23	3 48	1 30	23 55	0 8	8 59	0 46	1 12	2 1	32 33	11 57	7 1	6 25	15 50			n.a.
W30	20 28	22 57	3 17	12 16	4 10	8 16	1 53	0n12	1 23	3 48	1 30	23 55	0 8	8 59	0 46	1 12	2 1	32 34	11 57	6 59	6 23	15 47			n.a.
T 31	20n40	26s26	4s 7	12n21	4s 7	8n43	1s52	0n30	1s23	3n48	1n30	23n55	0n 8	8s59	0s46	1n12	2n 1	32s34	11s58	6n57	6n22	15n44			n.a.

Julian Day Number = 1474634.5, Delta T = 05h27m57s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'18, Lahiri = -13°17'18 Julian Calendar 1 May 676 BCE == Greg. Calendar 24 Apr. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

JUNE 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 8 47	2♊ 1'42	24♐30	14♉17	27♈54	5♈ 4	23♍59	0♋26	9♓ 8	1°R36	27°R53	17°R20	15♈55	28♌34	n.a.	F 1
S 2	16 12 44	2°58'47	8♑34	14°35	29° 5	5°46	24° 0	0°34	9° 9	1♎35	27♑53	17♈13	15°52	28°40	n.a.	S 2
S 3	16 16 40	3°55'52	22°47	14°58	0♉16	6°28	24° 0	0°41	9°10	1°35	27°52	17° 7	15°48	28°47	n.a.	S 3
M 4	16 20 37	4°52'57	7♒ 4	15°26	1°27	7°10	24° 1	0°48	9°11	1°34	27°51	17° 2	15°45	28°54	n.a.	M 4
T 5	16 24 34	5°50'04	21°20	15°59	2°38	7°52	24° 3	0°55	9°12	1°34	27°51	16°59	15°42	29° 0	n.a.	T 5
W 6	16 28 30	6°47'10	5♓33	16°37	3°49	8°34	24° 4	1° 2	9°12	1°33	27°50	16°D58	15°39	29° 7	n.a.	W 6
T 7	16 32 27	7°44'17	19°40	17°20	5° 0	9°15	24° 6	1° 9	9°13	1°33	27°49	16°59	15°36	29°14	n.a.	T 7
F 8	16 36 23	8°41'25	3♈41	18° 8	6°11	9°57	24° 7	1°17	9°14	1°33	27°48	17° 0	15°33	29°20	n.a.	F 8
S 9	16 40 20	9°38'34	17°35	19° 1	7°22	10°38	24° 9	1°24	9°14	1°32	27°48	17°R 0	15°29	29°27	n.a.	S 9
S 10	16 44 16	10°35'43	1♉20	19°59	8°33	11°20	24°11	1°31	9°15	1°32	27°47	16°59	15°26	29°34	n.a.	S 10
M11	16 48 13	11°32'53	14°56	21° 2	9°44	12° 1	24°14	1°39	9°16	1°32	27°46	16°56	15°23	29°40	n.a.	M11
T 12	16 52 10	12°30'03	28°21	22° 9	10°55	12°42	24°16	1°46	9°16	1°31	27°45	16°51	15°20	29°47	n.a.	T 12
W13	16 56 6	13°27'15	11♊33	23°21	12° 7	13°23	24°19	1°54	9°17	1°31	27°44	16°43	15°17	29°54	n.a.	W13
T 14	17 0 3	14°24'27	24°31	24°37	13°18	14° 5	24°21	2° 1	9°17	1°31	27°44	16°34	15°13	0♍ 1	n.a.	T 14
F 15	17 3 59	15°21'39	7♋14	25°58	14°30	14°45	24°24	2° 8	9°17	1°31	27°43	16°23	15°10	0° 7	n.a.	F 15
S 16	17 7 56	16°18'52	19°43	27°24	15°41	15°26	24°27	2°16	9°18	1°30	27°42	16°13	15° 7	0°14	n.a.	S 16
S 17	17 11 52	17°16'06	1♌57	28°53	16°53	16° 7	24°31	2°23	9°18	1°30	27°41	16° 4	15° 4	0°21	n.a.	S 17
M18	17 15 49	18°13'19	14° 0	0♊27	18° 4	16°48	24°34	2°31	9°18	1°30	27°40	15°57	15° 1	0°27	n.a.	M18
T 19	17 19 45	19°10'34	25°55	2° 4	19°16	17°28	24°38	2°39	9°18	1°30	27°39	15°52	14°58	0°34	n.a.	T 19
W20	17 23 42	20° 7'49	7♍45	3°46	20°28	18° 9	24°42	2°46	9°18	1°D30	27°38	15°49	14°54	0°41	n.a.	W20
T 21	17 27 39	21° 5'04	19°36	5°31	21°39	18°49	24°46	2°54	9°18	1°30	27°37	15°D48	14°51	0°47	n.a.	T 21
F 22	17 31 35	22° 2'20	1♎32	7°19	22°51	19°29	24°50	3° 1	9°R18	1°30	27°36	15°49	14°48	0°54	n.a.	F 22
S 23	17 35 32	22°59'37	13°39	9°10	24° 3	20° 9	24°54	3° 9	9°18	1°30	27°35	15°R49	14°45	1° 1	n.a.	S 23
S 24	17 39 28	23°56'54	26° 3	11° 4	25°15	20°49	24°58	3°16	9°18	1°30	27°34	15°49	14°42	1° 7	n.a.	S 24
M25	17 43 25	24°54'12	8♏47	13° 1	26°27	21°29	25° 3	3°24	9°18	1°30	27°33	15°46	14°39	1°14	n.a.	M25
T 26	17 47 21	25°51'31	21°54	15° 0	27°39	22° 9	25° 8	3°32	9°18	1°31	27°32	15°42	14°35	1°21	n.a.	T 26
W27	17 51 18	26°48'50	5♐27	17° 0	28°51	22°49	25°13	3°39	9°18	1°31	27°31	15°35	14°32	1°27	n.a.	W27
T 28	17 55 14	27°46'11	19°23	19° 2	0♊ 3	23°29	25°18	3°47	9°17	1°31	27°30	15°26	14°29	1°34	n.a.	T 28
F 29	17 59 11	28°43'33	3♑40	21° 6	1°15	24° 8	25°23	3°55	9°17	1°31	27°29	15°15	14°26	1°41	n.a.	F 29
S 30	18 3 8	29♊40'55	18♑12	23♊10	2♊28	24♈47	25♍28	4♋ 2	9♓17	1♎32	27♑28	15♈ 5	14♈23	1♍47	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n52	28s23	4s44	12n29	4s 2	9n 9	1s51	0n47	1s23	3n47	1n29	23n55	0n 8	8s58	0s46	1n12	2n 1	32s34	11s58	6n54	6n21	15n41		n.a.
S 2	21 3	28 33	5 4	12 40	3 57	9 36	1 49	1 4	1 22	3 47	1 29	23 55	0 8	8 58	0 46	1 12	2 1	32 35	11 58	6 51	6 20	15 38		n.a.
S 3	21 14	26 51	5 6	12 53	3 50	10 2	1 48	1 21	1 22	3 46	1 29	23 55	0 8	8 58	0 46	1 13	2 1	32 35	11 59	6 49	6 18	15 35		n.a.
M 4	21 25	23 25	4 49	13 8	3 43	10 29	1 47	1 38	1 22	3 45	1 28	23 55	0 8	8 57	0 46	1 13	2 1	32 36	11 59	6 47	6 17	15 32		n.a.
T 5	21 35	18 36	4 14	13 26	3 35	10 55	1 45	1 55	1 22	3 45	1 28	23 55	0 8	8 57	0 46	1 13	2 1	32 36	11 59	6 46	6 16	15 29		n.a.
W 6	21 45	12 46	3 24	13 45	3 26	11 21	1 44	2 12	1 21	3 44	1 28	23 55	0 9	8 57	0 47	1 13	2 1	32 37	11 59	6 46	6 15	15 26		n.a.
T 7	21 55	6 19	2 22	14 7	3 16	11 46	1 42	2 29	1 21	3 43	1 28	23 55	0 9	8 57	0 47	1 13	2 1	32 37	12 0	6 46	6 13	15 23		n.a.
F 8	22 4	0n24	1 11	14 30	3 6	12 12	1 40	2 45	1 21	3 42	1 27	23 55	0 9	8 56	0 47	1 13	2 1	32 37	12 0	6 46	6 12	15 20		n.a.
S 9	22 13	7 3	0n 3	14 55	2 55	12 37	1 38	3 2	1 21	3 41	1 27	23 55	0 9	8 56	0 47	1 13	2 1	32 38	12 0	6 46	6 11	15 17		n.a.
S 10	22 21	13 18	1 16	15 22	2 43	13 2	1 37	3 19	1 20	3 40	1 27	23 55	0 9	8 56	0 47	1 13	2 1	32 38	12 1	6 46	6 10	15 14		n.a.
M11	22 29	18 50	2 24	15 50	2 31	13 26	1 35	3 35	1 20	3 39	1 26	23 55	0 9	8 56	0 47	1 14	2 1	32 39	12 1	6 45	6 8	15 11		n.a.
T 12	22 37	23 22	3 23	16 20	2 19	13 51	1 33	3 52	1 20	3 37	1 26	23 55	0 9	8 56	0 47	1 14	2 1	32 39	12 1	6 43	6 7	15 8		n.a.
W13	22 44	26 36	4 9	16 50	2 7	14 15	1 31	4 8	1 19	3 36	1 26	23 55	0 9	8 55	0 47	1 14	2 1	32 40	12 1	6 40	6 6	15 5		n.a.
T 14	22 51	28 22	4 42	17 21	1 54	14 39	1 29	4 25	1 19	3 35	1 25	23 55	0 9	8 55	0 47	1 14	2 1	32 40	12 2	6 36	6 5	15 2		n.a.
F 15	22 58	28 34	5 0	17 53	1 41	15 2	1 27	4 41	1 19	3 33	1 25	23 55	0 9	8 55	0 47	1 14	2 0	32 40	12 2	6 32	6 3	14 59		n.a.
S 16	23 4	27 18	5 3	18 26	1 28	15 25	1 25	4 58	1 18	3 32	1 25	23 55	0 9	8 55	0 47	1 14	2 0	32 41	12 2	6 28	6 2	14 56		n.a.
S 17	23 10	24 45	4 53	18 59	1 14	15 48	1 22	5 14	1 18	3 30	1 25	23 55	0 9	8 55	0 47	1 14	2 0	32 41	12 2	6 24	6 1	14 53		n.a.
M18	23 15	21 8	4 29	19 32	1 1	16 10	1 20	5 30	1 18	3 28	1 24	23 55	0 10	8 55	0 47	1 14	2 0	32 42	12 3	6 22	6 0	14 50		n.a.
T 19	23 20	16 43	3 53	20 5	0 48	16 32	1 18	5 46	1 17	3 27	1 24	23 55	0 10	8 55	0 47	1 14	2 0	32 42	12 3	6 20	5 58	14 47		n.a.
W20	23 24	11 41	3 8	20 38	0 35	16 54	1 16	6 2	1 17	3 25	1 24	23 55	0 10	8 55	0 47	1 14	2 0	32 43	12 3	6 19	5 57	14 44		n.a.
T 21	23 28	6 14	2 15	21 9	0 23	17 15	1 13	6 18	1 17	3 23	1 23	23 55	0 10	8 55	0 47	1 14	2 0	32 43	12 3	6 18	5 56	14 41		n.a.
F 22	23 32	0 32	1 15	21 40	0 10	17 36	1 11	6 33	1 16	3 21	1 23	23 55	0 10	8 55	0 47	1 13	2 0	32 44	12 4	6 18	5 55	14 38		n.a.
S 23	23 35	5s17	0 12	22 10	0n 2	17 57	1 9	6 49	1 16	3 19	1 23	23 54	0 10	8 55	0 47	1 13	2 0	32 44	12 4	6 19	5 53	14 35		n.a.
S 24	23 38	11 2	0s54	22 39	0 14	18 17	1 6	7 5	1 15	3 17	1 22	23 54	0 10	8 55	0 47	1 13	2 0	32 44	12 4	6 18	5 52	14 32		n.a.
M25	23 41	16 30	1 59	23 5	0 25	18 36	1 4	7 20	1 15	3 15	1 22	23 54	0 10	8 55	0 47	1 13	2 0	32 45	12 4	6 18	5 51	14 29		n.a.
T 26	23 43	21 23	2 59	23 30	0 35	18 55	1 1	7 36	1 14	3 13	1 22	23 54	0 10	8 55	0 47	1 13	2 0	32 45	12 4	6 16	5 50	14 26		n.a.
W27	23 44	25 18	3 51	23 53	0 45	19 14	0 59	7 51	1 14	3 10	1 22	23 54	0 10	8 55	0 47	1 13	2 0	32 46	12 5	6 13	5 49	14 23		n.a.
T 28	23 46	27 51	4 31	24 13	0 54	19 32	0 56	8 6	1 14	3 8	1 21	23 54	0 10	8 56	0 47	1 13	2 0	32 46	12 5	6 10	5 47	14 20		n.a.
F 29	23 46	28 39	4 55	24 31	1 3	19 50	0 53	8 21	1 13	3 6	1 21	23 54	0 10	8 56	0 47	1 13	2 0	32 47	12 5	6 5	5 46	14 17		n.a.
S 30	23n47	27s29	5s 1	24n47	1n11	20n 7	0s51	8n37	1s13	3n 3	1n21	23n54	0n11	8s56	0s47	1n12	1n59	32s47	12s 5	6n 1	5n45	14n14		n.a.

Julian Day Number = 1474665.5, Delta T = 05h27m56s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'14, Lahiri = -13°17'14 Julian Calendar 1 June 676 BCE == Greg. Calendar 25 May 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

JULY 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 7 4	0♋38'19	2♒51	25♊14	3♊40	25♈27	25♍34	4♋10	9°R16	1♎32	27°R27	14°R55	14♈19	1♍54	n.a.	S 1
M 2	18 11 1	1°35'45	17°30	27°19	4°52	26° 6	25°40	4°18	9♓16	1°32	27♉25	14♈47	14°16	2° 1	n.a.	M 2
T 3	18 14 57	2°33'11	2♓ 3	29°24	6° 5	26°45	25°46	4°25	9°15	1°33	27°24	14°42	14°13	2° 8	n.a.	T 3
W 4	18 18 54	3°30'39	16°25	1♋28	7°17	27°24	25°51	4°33	9°15	1°33	27°23	14°39	14°10	2°14	n.a.	W 4
T 5	18 22 50	4°28'08	0♈34	3°32	8°30	28° 3	25°58	4°41	9°14	1°34	27°22	14°D39	14° 7	2°21	n.a.	T 5
F 6	18 26 47	5°25'39	14°28	5°35	9°42	28°42	26° 4	4°48	9°14	1°34	27°21	14°R39	14° 4	2°28	n.a.	F 6
S 7	18 30 44	6°23'12	28° 8	7°38	10°55	29°20	26°10	4°56	9°13	1°34	27°20	14°38	14° 0	2°34	n.a.	S 7
S 8	18 34 40	7°20'46	11♉35	9°39	12° 8	29°59	26°17	5° 4	9°12	1°35	27°18	14°36	13°57	2°41	n.a.	S 8
M 9	18 38 37	8°18'22	24°49	11°39	13°20	0♉37	26°23	5°11	9°11	1°36	27°17	14°32	13°54	2°48	n.a.	M 9
T 10	18 42 33	9°16'00	7♊52	13°38	14°33	1°15	26°30	5°19	9°10	1°36	27°16	14°24	13°51	2°54	n.a.	T 10
W11	18 46 30	10°13'39	20°44	15°36	15°46	1°54	26°37	5°27	9°10	1°37	27°15	14°14	13°48	3° 1	n.a.	W11
T 12	18 50 26	11°11'19	3♋24	17°32	16°59	2°32	26°44	5°34	9° 9	1°38	27°14	14° 2	13°45	3° 8	n.a.	T 12
F 13	18 54 23	12° 9'01	15°52	19°27	18°12	3° 9	26°52	5°42	9° 8	1°38	27°12	13°48	13°41	3°14	n.a.	F 13
S 14	18 58 19	13° 6'45	28°10	21°21	19°25	3°47	26°59	5°50	9° 7	1°39	27°11	13°35	13°38	3°21	n.a.	S 14
S 15	19 2 16	14° 4'30	10♌17	23°13	20°38	4°25	27° 6	5°57	9° 6	1°40	27°10	13°22	13°35	3°28	n.a.	S 15
M16	19 6 13	15° 2'16	22°15	25° 4	21°51	5° 2	27°14	6° 5	9° 4	1°41	27° 9	13°12	13°32	3°34	n.a.	M16
T 17	19 10 9	16° 0'03	4♍ 6	26°54	23° 4	5°40	27°22	6°13	9° 3	1°41	27° 7	13° 5	13°29	3°41	n.a.	T 17
W18	19 14 6	16°57'52	15°54	28°42	24°17	6°17	27°30	6°20	9° 2	1°42	27° 6	13° 0	13°25	3°48	n.a.	W18
T 19	19 18 2	17°55'43	27°42	0♌29	25°30	6°54	27°38	6°28	9° 1	1°43	27° 5	12°58	13°22	3°54	n.a.	T 19
F 20	19 21 59	18°53'34	9♎37	2°14	26°44	7°31	27°46	6°35	9° 0	1°44	27° 4	12°57	13°19	4° 1	n.a.	F 20
S 21	19 25 55	19°51'27	21°42	3°58	27°57	8° 7	27°54	6°43	8°58	1°45	27° 2	12°57	13°16	4° 8	n.a.	S 21
S 22	19 29 52	20°49'22	4♏ 4	5°41	29°10	8°44	28° 3	6°50	8°57	1°46	27° 1	12°57	13°13	4°14	n.a.	S 22
M23	19 33 48	21°47'18	16°47	7°22	0♋24	9°21	28°11	6°58	8°56	1°47	27° 0	12°55	13°10	4°21	n.a.	M23
T 24	19 37 45	22°45'15	29°56	9° 2	1°37	9°57	28°20	7° 6	8°54	1°48	26°58	12°51	13° 6	4°28	n.a.	T 24
W25	19 41 42	23°43'14	13♐33	10°41	2°51	10°33	28°28	7°13	8°53	1°49	26°57	12°44	13° 3	4°34	n.a.	W25
T 26	19 45 38	24°41'15	27°39	12°18	4° 4	11° 9	28°37	7°20	8°51	1°50	26°56	12°35	13° 0	4°41	n.a.	T 26
F 27	19 49 35	25°39'17	12♑10	13°55	5°18	11°45	28°46	7°28	8°50	1°51	26°55	12°24	12°57	4°48	n.a.	F 27
S 28	19 53 31	26°37'21	27° 0	15°29	6°31	12°21	28°55	7°35	8°48	1°53	26°53	12°13	12°54	4°55	n.a.	S 28
S 29	19 57 28	27°35'26	12♒ 1	17° 3	7°45	12°56	29° 4	7°43	8°46	1°54	26°52	12° 3	12°51	5° 1	n.a.	S 29
M30	20 1 24	28°33'34	27° 3	18°35	8°59	13°32	29°14	7°50	8°45	1°55	26°51	11°55	12°47	5° 8	n.a.	M30
T 31	20 5 21	29♋31'43	11♓58	20♌ 6	10♋13	14♉ 7	29♍23	7♋57	8♓43	1♎56	26♉49	11♈50	12♈44	5♍15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	23n47	24s27	4s47	24n59	1n18	20n24	0s48	8n51	1s12	3n 1	1n20	23n53	0n11	8s56	0s47	1n12	1n59	32s47	12s 5	5n57		5n44		14n11			n.a.
M 2	23 46	19 50	4 14	25 9	1 24	20 40	0 46	9 6	1 12	2 58	1 20	23 53	0 11	8 56	0 47	1 12	1 59	32 48	12 6	5 54		5 42		14 8			n.a.
T 3	23 45	14 4	3 25	25 16	1 30	20 55	0 43	9 21	1 11	2 56	1 20	23 53	0 11	8 57	0 48	1 12	1 59	32 48	12 6	5 52		5 41		14 5			n.a.
W 4	23 44	7 38	2 23	25 21	1 35	21 10	0 40	9 36	1 11	2 53	1 20	23 53	0 11	8 57	0 48	1 12	1 59	32 49	12 6	5 51		5 40		14 2			n.a.
T 5	23 42	0 54	1 14	25 22	1 39	21 25	0 38	9 50	1 10	2 50	1 19	23 53	0 11	8 57	0 48	1 11	1 59	32 49	12 6	5 51		5 39		13 59			n.a.
F 6	23 40	5n46	0 1	25 21	1 42	21 39	0 35	10 5	1 10	2 48	1 19	23 52	0 11	8 57	0 48	1 11	1 59	32 49	12 6	5 51		5 37		13 56			n.a.
S 7	23 37	12 4	1n11	25 18	1 45	21 52	0 32	10 19	1 9	2 45	1 19	23 52	0 11	8 58	0 48	1 11	1 59	32 50	12 6	5 51		5 36		13 53			n.a.
S 8	23 34	17 42	2 17	25 11	1 46	22 5	0 29	10 33	1 9	2 42	1 19	23 52	0 11	8 58	0 48	1 11	1 59	32 50	12 7	5 50		5 35		13 50			n.a.
M 9	23 31	22 24	3 15	25 3	1 48	22 17	0 27	10 47	1 8	2 39	1 18	23 52	0 11	8 58	0 48	1 10	1 59	32 51	12 7	5 48		5 34		13 46			n.a.
T 10	23 27	25 54	4 2	24 52	1 48	22 28	0 24	11 1	1 7	2 36	1 18	23 52	0 11	8 59	0 48	1 10	1 59	32 51	12 7	5 45		5 32		13 43			n.a.
W11	23 23	28 2	4 35	24 38	1 48	22 39	0 21	11 15	1 7	2 33	1 18	23 51	0 12	8 59	0 48	1 10	1 59	32 52	12 7	5 41		5 31		13 40			n.a.
T 12	23 18	28 39	4 55	24 23	1 47	22 49	0 19	11 29	1 6	2 30	1 18	23 51	0 12	8 59	0 48	1 9	1 59	32 52	12 7	5 36		5 30		13 37			n.a.
F 13	23 13	27 46	5 0	24 6	1 46	22 59	0 16	11 43	1 6	2 27	1 17	23 51	0 12	9 0	0 48	1 9	1 59	32 52	12 7	5 31		5 29		13 34			n.a.
S 14	23 7	25 33	4 50	23 47	1 44	23 8	0 13	11 56	1 5	2 23	1 17	23 51	0 12	9 0	0 48	1 9	1 59	32 53	12 7	5 26		5 27		13 31			n.a.
S 15	23 1	22 12	4 28	23 26	1 42	23 16	0 10	12 10	1 5	2 20	1 17	23 50	0 12	9 1	0 48	1 8	1 59	32 53	12 8	5 21		5 26		13 28			n.a.
M16	22 55	17 58	3 54	23 3	1 39	23 24	0 8	12 23	1 4	2 17	1 17	23 50	0 12	9 1	0 48	1 8	1 58	32 53	12 8	5 17		5 25		13 25			n.a.
T 17	22 48	13 5	3 10	22 39	1 36	23 31	0 5	12 36	1 3	2 14	1 16	23 50	0 12	9 2	0 48	1 7	1 58	32 54	12 8	5 14		5 24		13 22			n.a.
W18	22 41	7 45	2 18	22 13	1 32	23 37	0 2	12 49	1 3	2 10	1 16	23 50	0 12	9 2	0 48	1 7	1 58	32 54	12 8	5 12		5 22		13 19			n.a.
T 19	22 34	2 9	1 20	21 46	1 28	23 42	0n 0	13 2	1 2	2 7	1 16	23 49	0 12	9 3	0 48	1 7	1 58	32 55	12 8	5 11		5 21		13 16			n.a.
F 20	22 26	3s35	0 18	21 18	1 24	23 47	0 3	13 15	1 1	2 3	1 16	23 49	0 12	9 3	0 48	1 6	1 58	32 55	12 8	5 11		5 20		13 12			n.a.
S 21	22 17	9 17	0s46	20 49	1 19	23 51	0 6	13 27	1 1	2 0	1 15	23 49	0 12	9 4	0 48	1 6	1 58	32 55	12 8	5 11		5 19		13 9			n.a.
S 22	22 8	14 46	1 49	20 19	1 14	23 55	0 8	13 40	1 0	1 56	1 15	23 48	0 13	9 4	0 48	1 5	1 58	32 56	12 8	5 11		5 17		13 6			n.a.
M23	21 59	19 47	2 49	19 47	1 8	23 58	0 11	13 52	0 59	1 52	1 15	23 48	0 13	9 5	0 48	1 5	1 58	32 56	12 8	5 10		5 16		13 3			n.a.
T 24	21 50	24 2	3 41	19 15	1 3	24 0	0 13	14 5	0 59	1 49	1 15	23 48	0 13	9 5	0 48	1 4	1 58	32 56	12 8	5 9		5 15		13 0			n.a.
W25	21 40	27 6	4 24	18 43	0 57	24 1	0 16	14 17	0 58	1 45	1 14	23 48	0 13	9 6	0 48	1 4	1 58	32 57	12 8	5 6		5 14		12 57			n.a.
T 26	21 29	28 37	4 51	18 9	0 50	24 1	0 19	14 29	0 57	1 41	1 14	23 47	0 13	9 7	0 48	1 3	1 58	32 57	12 8	5 2		5 12		12 54			n.a.
F 27	21 19	28 13	5 1	17 35	0 44	24 1	0 21	14 41	0 57	1 37	1 14	23 47	0 13	9 7	0 48	1 3	1 58	32 57	12 9	4 58		5 11		12 50			n.a.
S 28	21 8	25 49	4 51	17 0	0 37	24 0	0 24	14 53	0 56	1 34	1 14	23 47	0 13	9 8	0 48	1 2	1 58	32 58	12 9	4 54		5 10		12 47			n.a.
S 29	20 56	21 36	4 22	16 25	0 30	23 59	0 26	15 4	0 55	1 30	1 13	23 46	0 13	9 8	0 48	1 2	1 58	32 58	12 9	4 50		5 9		12 44			n.a.
M30	20 44	16 0	3 33	15 49	0 22	23 57	0 28	15 16	0 54	1 26	1 13	23 46	0 13	9 9	0 48	1 1	1 58	32 58	12 9	4 47		5 7		12 41			n.a.
T 31	20n32	9s30	2s31	15n13	0n15	23n53	0n31	15n27	0s54	1n22	1n13	23n46	0n13	9s10	0s48	1n 1	1n58	32s59	12s 9	4n45		5n 6		12n38			n.a.

Julian Day Number = 1474695.5, Delta T = 05h27m54s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'10, Lahiri = -13°17'10 Julian Calendar 1 July 676 BCE == Greg. Calendar 24 June 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

AUGUST 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 9 17	0♌29'55	26♓37	21♌36	11♋26	14♉42	29♍32	8♋ 5	8°R41	1♎57	26°R48	11°R47	12♈41	5♍21	n.a.	W 1
T 2	20 13 14	1°28'08	10♈56	23° 5	12°40	15°17	29°42	8°12	8♓39	1°59	26♑47	11°D47	12°38	5°28	n.a.	T 2
F 3	20 17 11	2°26'24	24°55	24°32	13°54	15°52	29°52	8°19	8°38	2° 0	26°46	11♈47	12°35	5°35	n.a.	F 3
S 4	20 21 7	3°24'42	8♉33	25°58	15° 8	16°27	0♎ 1	8°26	8°36	2° 1	26°44	11°R47	12°31	5°41	n.a.	S 4
S 5	20 25 4	4°23'03	21°51	27°22	16°22	17° 1	0°11	8°34	8°34	2° 3	26°43	11°46	12°28	5°48	n.a.	S 5
M 6	20 29 0	5°21'26	4♊53	28°45	17°36	17°35	0°21	8°41	8°32	2° 4	26°42	11°42	12°25	5°55	n.a.	M 6
T 7	20 32 57	6°19'51	17°40	0♍ 7	18°50	18° 9	0°31	8°48	8°30	2° 6	26°41	11°36	12°22	6° 1	n.a.	T 7
W 8	20 36 53	7°18'18	0♋15	1°27	20° 5	18°43	0°42	8°55	8°28	2° 7	26°39	11°27	12°19	6° 8	n.a.	W 8
T 9	20 40 50	8°16'47	12°39	2°46	21°19	19°17	0°52	9° 2	8°26	2° 9	26°38	11°17	12°16	6°15	n.a.	T 9
F 10	20 44 46	9°15'19	24°53	4° 4	22°33	19°50	1° 2	9° 9	8°24	2°10	26°37	11° 5	12°12	6°21	n.a.	F 10
S 11	20 48 43	10°13'52	6♌59	5°20	23°47	20°24	1°13	9°16	8°22	2°12	26°35	10°53	12° 9	6°28	n.a.	S 11
S 12	20 52 40	11°12'28	18°57	6°34	25° 2	20°57	1°23	9°23	8°20	2°13	26°34	10°43	12° 6	6°35	n.a.	S 12
M13	20 56 36	12°11'05	0♍50	7°46	26°16	21°30	1°34	9°30	8°18	2°15	26°33	10°34	12° 3	6°41	n.a.	M13
T 14	21 0 33	13° 9'44	12°38	8°57	27°30	22° 2	1°45	9°37	8°16	2°16	26°32	10°28	12° 0	6°48	n.a.	T 14
W15	21 4 29	14° 8'26	24°25	10° 6	28°45	22°35	1°55	9°44	8°14	2°18	26°31	10°24	11°57	6°55	n.a.	W15
T 16	21 8 26	15° 7'09	6♎13	11°13	29°59	23° 7	2° 6	9°50	8°12	2°20	26°29	10°D23	11°53	7° 1	n.a.	T 16
F 17	21 12 22	16° 5'54	18° 7	12°17	1♌14	23°39	2°17	9°57	8° 9	2°21	26°28	10°23	11°50	7° 8	n.a.	F 17
S 18	21 16 19	17° 4'41	0♏12	13°20	2°28	24°11	2°28	10° 4	8° 7	2°23	26°27	10°24	11°47	7°15	n.a.	S 18
S 19	21 20 15	18° 3'30	12°31	14°19	3°43	24°43	2°39	10°10	8° 5	2°25	26°26	10°R25	11°44	7°21	n.a.	S 19
M20	21 24 12	19° 2'21	25°10	15°17	4°57	25°14	2°51	10°17	8° 3	2°26	26°25	10°25	11°41	7°28	n.a.	M20
T 21	21 28 8	20° 1'14	8♐14	16°11	6°12	25°45	3° 2	10°24	8° 0	2°28	26°23	10°23	11°37	7°35	n.a.	T 21
W22	21 32 5	21° 0'08	21°47	17° 3	7°27	26°16	3°13	10°30	7°58	2°30	26°22	10°19	11°34	7°41	n.a.	W22
T 23	21 36 2	21°59'05	5♑49	17°51	8°41	26°47	3°25	10°36	7°56	2°32	26°21	10°14	11°31	7°48	n.a.	T 23
F 24	21 39 58	22°58'04	20°19	18°35	9°56	27°17	3°36	10°43	7°53	2°34	26°20	10° 7	11°28	7°55	n.a.	F 24
S 25	21 43 55	23°57'04	5♒13	19°16	11°11	27°48	3°48	10°49	7°51	2°35	26°19	10° 0	11°25	8° 1	n.a.	S 25
S 26	21 47 51	24°56'06	20°23	19°52	12°26	28°18	3°59	10°55	7°49	2°37	26°18	9°53	11°22	8° 8	n.a.	S 26
M27	21 51 48	25°55'11	5♓39	20°24	13°40	28°47	4°11	11° 2	7°46	2°39	26°17	9°48	11°18	8°15	n.a.	M27
T 28	21 55 44	26°54'17	20°50	20°51	14°55	29°17	4°23	11° 8	7°44	2°41	26°16	9°44	11°15	8°21	n.a.	T 28
W29	21 59 41	27°53'26	5♈46	21°13	16°10	29°46	4°35	11°14	7°42	2°43	26°15	9°D43	11°12	8°28	n.a.	W29
T 30	22 3 37	28°52'37	20°22	21°28	17°25	0♊15	4°47	11°20	7°39	2°45	26°13	9°43	11° 9	8°35	n.a.	T 30
F 31	22 7 34	29♌51'51	4♉33	21♍38	18♌40	0♊44	4♎58	11♋26	7♓37	2♎47	26♑12	9♈45	11♈ 6	8♍41	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	20n20	2s35	1s20	14n37	0n 7	23n50	0n33	15n38	0s53	1n18	1n13	23n45	0n13	9s10	0s48	1n 0	1n58	32s59	12s 9	4n44	5n 5	12n35		n.a.	
T 2	20 7	4n19	0 4	14 1	0s 0	23 45	0 35	15 49	0 52	1 14	1 13	23 45	0 14	9 11	0 48	1 0	1 57	32 59	12 9	4 43	5 3	12 32		n.a.	
F 3	19 54	10 51	1n 9	13 24	0 8	23 40	0 38	16 0	0 51	1 10	1 12	23 44	0 14	9 12	0 48	0 59	1 57	32 59	12 9	4 43	5 2	12 28		n.a.	
S 4	19 40	16 43	2 17	12 47	0 16	23 34	0 40	16 11	0 50	1 5	1 12	23 44	0 14	9 13	0 49	0 58	1 57	33 0	12 9	4 43	5 1	12 25		n.a.	
S 5	19 26	21 38	3 16	12 11	0 24	23 27	0 42	16 22	0 50	1 1	1 12	23 44	0 14	9 13	0 49	0 58	1 57	33 0	12 9	4 43	5 0	12 22		n.a.	
M 6	19 12	25 24	4 3	11 34	0 33	23 20	0 44	16 32	0 49	0 57	1 12	23 43	0 14	9 14	0 49	0 57	1 57	33 0	12 9	4 41	4 58	12 19		n.a.	
T 7	18 57	27 48	4 37	10 57	0 41	23 12	0 46	16 43	0 48	0 53	1 12	23 43	0 14	9 15	0 49	0 57	1 57	33 1	12 9	4 39	4 57	12 16		n.a.	
W 8	18 42	28 44	4 57	10 20	0 49	23 3	0 49	16 53	0 47	0 49	1 11	23 43	0 14	9 16	0 49	0 56	1 57	33 1	12 9	4 36	4 56	12 13		n.a.	
T 9	18 27	28 12	5 3	9 44	0 58	22 54	0 51	17 3	0 46	0 44	1 11	23 42	0 14	9 16	0 49	0 55	1 57	33 1	12 9	4 31	4 55	12 9		n.a.	
F 10	18 12	26 17	4 54	9 8	1 6	22 44	0 53	17 13	0 45	0 40	1 11	23 42	0 14	9 17	0 49	0 55	1 57	33 1	12 9	4 27	4 53	12 6		n.a.	
S 11	17 56	23 11	4 33	8 32	1 15	22 33	0 54	17 23	0 44	0 35	1 11	23 41	0 14	9 18	0 49	0 54	1 57	33 2	12 9	4 22	4 52	12 3		n.a.	
S 12	17 40	19 8	3 59	7 56	1 24	22 21	0 56	17 33	0 43	0 31	1 11	23 41	0 15	9 19	0 49	0 53	1 57	33 2	12 9	4 18	4 51	12 0		n.a.	
M13	17 23	14 22	3 15	7 21	1 32	22 9	0 58	17 43	0 43	0 27	1 10	23 41	0 15	9 19	0 49	0 53	1 57	33 2	12 9	4 14	4 50	11 57		n.a.	
T 14	17 6	9 7	2 23	6 47	1 41	21 56	1 0	17 52	0 42	0 22	1 10	23 40	0 15	9 20	0 49	0 52	1 57	33 2	12 9	4 12	4 48	11 54		n.a.	
W15	16 49	3 32	1 25	6 13	1 49	21 43	1 2	18 1	0 41	0 18	1 10	23 40	0 15	9 21	0 49	0 51	1 57	33 2	12 9	4 10	4 47	11 50		n.a.	
T 16	16 32	2s10	0 22	5 39	1 58	21 28	1 3	18 10	0 40	0 13	1 10	23 39	0 15	9 22	0 49	0 51	1 57	33 3	12 8	4 10	4 46	11 47		n.a.	
F 17	16 14	7 51	0s42	5 7	2 6	21 14	1 5	18 20	0 39	0 8	1 10	23 39	0 15	9 23	0 49	0 50	1 57	33 3	12 8	4 10	4 45	11 44		n.a.	
S 18	15 56	13 20	1 45	4 35	2 14	20 58	1 7	18 28	0 38	0 4	1 10	23 39	0 15	9 24	0 49	0 49	1 57	33 3	12 8	4 10	4 43	11 41		n.a.	
S 19	15 38	18 25	2 44	4 4	2 22	20 42	1 8	18 37	0 37	0s 1	1 9	23 38	0 15	9 25	0 49	0 48	1 57	33 3	12 8	4 11	4 42	11 38		n.a.	
M20	15 20	22 50	3 37	3 35	2 30	20 25	1 10	18 46	0 36	0 5	1 9	23 38	0 15	9 25	0 49	0 48	1 57	33 3	12 8	4 11	4 41	11 34		n.a.	
T 21	15 1	26 17	4 21	3 6	2 38	20 8	1 11	18 54	0 35	0 10	1 9	23 37	0 16	9 26	0 49	0 47	1 57	33 4	12 8	4 10	4 40	11 31		n.a.	
W22	14 42	28 23	4 52	2 39	2 46	19 50	1 12	19 3	0 34	0 15	1 9	23 37	0 16	9 27	0 49	0 46	1 57	33 4	12 8	4 9	4 38	11 28		n.a.	
T 23	14 23	28 46	5 7	2 13	2 53	19 32	1 14	19 11	0 33	0 20	1 9	23 37	0 16	9 28	0 49	0 45	1 56	33 4	12 8	4 6	4 37	11 25		n.a.	
F 24	14 3	27 13	5 3	1 49	3 0	19 13	1 15	19 19	0 32	0 24	1 9	23 36	0 16	9 29	0 49	0 45	1 56	33 4	12 8	4 4	4 36	11 21		n.a.	
S 25	13 44	23 44	4 39	1 27	3 6	18 53	1 16	19 27	0 31	0 29	1 8	23 36	0 16	9 30	0 49	0 44	1 56	33 4	12 8	4 1	4 35	11 18		n.a.	
S 26	13 24	18 36	3 55	1 7	3 13	18 33	1 17	19 35	0 30	0 34	1 8	23 35	0 16	9 31	0 49	0 43	1 56	33 4	12 8	3 58	4 33	11 15		n.a.	
M27	13 3	12 16	2 54	0 49	3 18	18 12	1 18	19 43	0 28	0 39	1 8	23 35	0 16	9 32	0 49	0 42	1 56	33 4	12 8	3 56	4 32	11 12		n.a.	
T 28	12 43	5 13	1 41	0 34	3 23	17 51	1 19	19 50	0 27	0 44	1 8	23 35	0 16	9 33	0 49	0 42	1 56	33 4	12 7	3 55	4 31	11 9		n.a.	
W29	12 23	2n 0	0 21	0 21	3 28	17 29	1 20	19 58	0 26	0 49	1 8	23 34	0 16	9 33	0 49	0 41	1 56	33 5	12 7	3 54	4 30	11 5		n.a.	
T 30	12 2	8 57	0n58	0 12	3 31	17 7	1 21	20 5	0 25	0 54	1 8	23 34	0 16	9 34	0 49	0 40	1 56	33 5	12 7	3 54	4 28	11 2		n.a.	
F 31	11n41	15n16	2n11	0n 5	3s34	16n44	1n22	20n12	0s24	0s58	1n 7	23n33	0n17	9s35	0s49	0n39	1n56	33s 5	12s 7	3n55	4n27	10n59		n.a.	

Julian Day Number = 1474726.5, Delta T = 05h27m53s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'06, Lahiri = -13°17'05 Julian Calendar 1 Aug. 676 BCE == Greg. Calendar 25 July 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

SEPTEMBER 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 11 31	0♍51'07	18♉19	21°R41	19♌55	1♊12	5♎11	11♋32	7°R34	2♎49	26°R11	9♈46	11♈ 3	8♍48	n.a.	S 1
S 2	22 15 27	1°50'26	1♊40	21♍37	21°10	1°40	5°23	11°38	7♓32	2°51	26♑10	9°R47	10°59	8°55	n.a.	S 2
M 3	22 19 24	2°49'47	14°39	21°25	22°25	2° 8	5°35	11°43	7°30	2°53	26° 9	9°46	10°56	9° 1	n.a.	M 3
T 4	22 23 20	3°49'11	27°19	21° 5	23°40	2°36	5°47	11°49	7°27	2°55	26° 8	9°43	10°53	9° 8	n.a.	T 4
W 5	22 27 17	4°48'37	9♋44	20°37	24°55	3° 3	5°59	11°55	7°25	2°57	26° 7	9°39	10°50	9°15	n.a.	W 5
T 6	22 31 13	5°48'06	21°57	20° 2	26°10	3°30	6°11	12° 0	7°22	2°59	26° 7	9°34	10°47	9°21	n.a.	T 6
F 7	22 35 10	6°47'37	4♌ 0	19°18	27°26	3°56	6°24	12° 6	7°20	3° 1	26° 6	9°28	10°43	9°28	n.a.	F 7
S 8	22 39 6	7°47'10	15°57	18°26	28°41	4°23	6°36	12°11	7°17	3° 3	26° 5	9°22	10°40	9°35	n.a.	S 8
S 9	22 43 3	8°46'45	27°49	17°27	29°56	4°49	6°49	12°17	7°15	3° 5	26° 4	9°17	10°37	9°41	n.a.	S 9
M10	22 46 59	9°46'22	9♍38	16°23	1♍11	5°14	7° 1	12°22	7°13	3° 7	26° 3	9°12	10°34	9°48	n.a.	M10
T 11	22 50 56	10°46'02	21°26	15°13	2°26	5°39	7°14	12°27	7°10	3° 9	26° 2	9°10	10°31	9°55	n.a.	T 11
W12	22 54 53	11°45'43	3♎15	14° 1	3°42	6° 4	7°26	12°32	7° 8	3°11	26° 1	9° 8	10°28	10° 1	n.a.	W12
T 13	22 58 49	12°45'27	15° 8	12°47	4°57	6°29	7°39	12°37	7° 5	3°13	26° 0	9°D 8	10°24	10° 8	n.a.	T 13
F 14	23 2 46	13°45'13	27° 7	11°34	6°12	6°53	7°52	12°42	7° 3	3°16	26° 0	9° 9	10°21	10°15	n.a.	F 14
S 15	23 6 42	14°45'00	9♏15	10°25	7°27	7°17	8° 4	12°47	7° 0	3°18	25°59	9°11	10°18	10°21	n.a.	S 15
S 16	23 10 39	15°44'50	21°37	9°20	8°43	7°40	8°17	12°52	6°58	3°20	25°58	9°13	10°15	10°28	n.a.	S 16
M17	23 14 35	16°44'41	4♐16	8°22	9°58	8° 3	8°30	12°57	6°56	3°22	25°57	9°14	10°12	10°35	n.a.	M17
T 18	23 18 32	17°44'35	17°16	7°34	11°13	8°26	8°43	13° 1	6°53	3°24	25°57	9°R14	10° 8	10°41	n.a.	T 18
W19	23 22 28	18°44'30	0♑40	6°55	12°29	8°48	8°56	13° 6	6°51	3°26	25°56	9°14	10° 5	10°48	n.a.	W19
T 20	23 26 25	19°44'27	14°30	6°27	13°44	9°10	9° 9	13°10	6°49	3°29	25°55	9°12	10° 2	10°55	n.a.	T 20
F 21	23 30 22	20°44'25	28°48	6°10	14°59	9°31	9°22	13°15	6°46	3°31	25°55	9°10	9°59	11° 1	n.a.	F 21
S 22	23 34 18	21°44'26	13♒29	6°D 5	16°15	9°52	9°35	13°19	6°44	3°33	25°54	9° 8	9°56	11° 8	n.a.	S 22
S 23	23 38 15	22°44'28	28°30	6°11	17°30	10°13	9°48	13°23	6°41	3°35	25°53	9° 6	9°53	11°15	n.a.	S 23
M24	23 42 11	23°44'31	13♓41	6°27	18°46	10°33	10° 1	13°28	6°39	3°37	25°53	9° 4	9°49	11°21	n.a.	M24
T 25	23 46 8	24°44'37	28°54	6°54	20° 1	10°53	10°14	13°32	6°37	3°40	25°52	9° 3	9°46	11°28	n.a.	T 25
W26	23 50 4	25°44'45	13♈59	7°30	21°17	11°12	10°27	13°36	6°35	3°42	25°52	9°D 3	9°43	11°35	n.a.	W26
T 27	23 54 1	26°44'55	28°46	8°15	22°32	11°31	10°40	13°39	6°32	3°44	25°51	9° 4	9°40	11°41	n.a.	T 27
F 28	23 57 57	27°45'07	13♉10	9° 7	23°47	11°49	10°53	13°43	6°30	3°46	25°51	9° 5	9°37	11°48	n.a.	F 28
S 29	0 1 54	28°45'21	27° 8	10° 7	25° 3	12° 7	11° 6	13°47	6°28	3°49	25°50	9° 6	9°34	11°55	n.a.	S 29
S 30	0 5 51	29♍45'37	10♊38	11♍12	26♍18	12♊24	11♎20	13♋51	6♓26	3♎51	25♑50	9♈ 6	9♈30	12♍ 1	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n20	20n38	3n14	0n 3	3s36	16n21	1n22	20n19	0s23	1s 3	1n 7	23n33	0n17	9s36	0s49	0n38	1n56	33s 5	12s 7	3n55	4n26	10n56		n.a.
S 2	10 58	24 47	4 5	0 4	3 37	15 57	1 23	20 26	0 21	1 8	1 7	23 32	0 17	9 37	0 49	0 37	1 56	33 5	12 7	3 56	4 24	10 52		n.a.
M 3	10 37	27 33	4 42	0 9	3 36	15 33	1 24	20 33	0 20	1 13	1 7	23 32	0 17	9 38	0 49	0 37	1 56	33 5	12 7	3 55	4 23	10 49		n.a.
T 4	10 15	28 49	5 4	0 19	3 34	15 8	1 24	20 40	0 19	1 18	1 7	23 32	0 17	9 39	0 49	0 36	1 56	33 5	12 7	3 54	4 22	10 46		n.a.
W 5	9 53	28 35	5 11	0 33	3 31	14 43	1 25	20 46	0 18	1 23	1 7	23 31	0 17	9 40	0 49	0 35	1 56	33 5	12 6	3 53	4 21	10 43		n.a.
T 6	9 31	26 58	5 4	0 52	3 25	14 18	1 25	20 53	0 17	1 29	1 7	23 31	0 17	9 41	0 49	0 34	1 56	33 5	12 6	3 51	4 19	10 39		n.a.
F 7	9 9	24 7	4 44	1 16	3 18	13 52	1 25	20 59	0 15	1 34	1 6	23 31	0 17	9 42	0 49	0 33	1 56	33 5	12 6	3 48	4 18	10 36		n.a.
S 8	8 46	20 16	4 11	1 44	3 9	13 26	1 26	21 5	0 14	1 39	1 6	23 30	0 18	9 43	0 49	0 32	1 56	33 5	12 6	3 46	4 17	10 33		n.a.
S 9	8 24	15 38	3 27	2 18	2 58	12 59	1 26	21 12	0 13	1 44	1 6	23 30	0 18	9 44	0 49	0 32	1 56	33 5	12 6	3 44	4 16	10 30		n.a.
M10	8 1	10 27	2 35	2 55	2 45	12 32	1 26	21 18	0 11	1 49	1 6	23 29	0 18	9 44	0 49	0 31	1 56	33 5	12 6	3 42	4 14	10 26		n.a.
T 11	7 38	4 54	1 36	3 36	2 31	12 5	1 26	21 23	0 10	1 54	1 6	23 29	0 18	9 45	0 49	0 30	1 56	33 5	12 5	3 41	4 13	10 23		n.a.
W12	7 15	0s49	0 32	4 19	2 14	11 38	1 26	21 29	0 9	1 59	1 6	23 29	0 18	9 46	0 49	0 29	1 56	33 5	12 5	3 40	4 12	10 20		n.a.
T 13	6 52	6 33	0s33	5 4	1 56	11 10	1 26	21 35	0 7	2 4	1 6	23 28	0 18	9 47	0 49	0 28	1 56	33 5	12 5	3 40	4 11	10 17		n.a.
F 14	6 29	12 6	1 37	5 50	1 37	10 41	1 26	21 40	0 6	2 10	1 6	23 28	0 18	9 48	0 49	0 27	1 56	33 5	12 5	3 41	4 9	10 13		n.a.
S 15	6 5	17 17	2 38	6 35	1 17	10 13	1 26	21 46	0 4	2 15	1 6	23 28	0 18	9 49	0 49	0 26	1 56	33 5	12 5	3 41	4 8	10 10		n.a.
S 16	5 42	21 51	3 33	7 19	0 56	9 44	1 25	21 51	0 3	2 20	1 5	23 27	0 18	9 50	0 49	0 25	1 56	33 5	12 5	3 42	4 7	10 7		n.a.
M17	5 18	25 32	4 19	8 0	0 36	9 15	1 25	21 56	0 1	2 25	1 5	23 27	0 19	9 51	0 49	0 25	1 56	33 5	12 4	3 43	4 6	10 3		n.a.
T 18	4 55	28 1	4 53	8 37	0 16	8 45	1 25	22 1	0n 0	2 30	1 5	23 27	0 19	9 52	0 49	0 24	1 56	33 5	12 4	3 43	4 4	10 0		n.a.
W19	4 31	28 59	5 12	9 9	0n 4	8 16	1 24	22 6	0 2	2 36	1 5	23 26	0 19	9 53	0 49	0 23	1 56	33 5	12 4	3 43	4 3	9 57		n.a.
T 20	4 7	28 11	5 14	9 37	0 22	7 46	1 24	22 11	0 3	2 41	1 5	23 26	0 19	9 53	0 49	0 22	1 56	33 5	12 4	3 42	4 2	9 54		n.a.
F 21	3 43	25 32	4 58	9 59	0 39	7 16	1 23	22 16	0 5	2 46	1 5	23 26	0 19	9 54	0 49	0 21	1 56	33 5	12 4	3 41	4 0	9 50		n.a.
S 22	3 19	21 10	4 21	10 15	0 55	6 46	1 22	22 21	0 6	2 51	1 5	23 25	0 19	9 55	0 49	0 20	1 56	33 5	12 3	3 40	3 59	9 47		n.a.
S 23	2 55	15 23	3 26	10 26	1 9	6 15	1 22	22 26	0 8	2 57	1 5	23 25	0 19	9 56	0 49	0 19	1 56	33 5	12 3	3 39	3 58	9 44		n.a.
M24	2 31	8 35	2 16	10 31	1 21	5 45	1 21	22 30	0 9	3 2	1 5	23 25	0 19	9 57	0 49	0 18	1 56	33 5	12 3	3 39	3 57	9 40		n.a.
T 25	2 7	1 18	0 56	10 31	1 32	5 14	1 20	22 35	0 11	3 7	1 4	23 24	0 20	9 58	0 49	0 17	1 56	33 5	12 3	3 38	3 55	9 37		n.a.
W26	1 43	6n 0	0n27	10 26	1 41	4 43	1 19	22 39	0 13	3 13	1 4	23 24	0 20	9 59	0 49	0 16	1 56	33 5	12 2	3 38	3 54	9 34		n.a.
T 27	1 19	12 51	1 47	10 17	1 49	4 12	1 18	22 43	0 15	3 18	1 4	23 24	0 20	9 59	0 49	0 16	1 56	33 4	12 2	3 38	3 53	9 31		n.a.
F 28	0 54	18 50	2 58	10 2	1 56	3 41	1 17	22 48	0 16	3 23	1 4	23 23	0 20	10 0	0 49	0 15	1 56	33 4	12 2	3 39	3 52	9 27		n.a.
S 29	0 30	23 37	3 56	9 44	2 1	3 9	1 16	22 52	0 18	3 28	1 4	23 23	0 20	10 1	0 49	0 14	1 56	33 4	12 2	3 39	3 50	9 24		n.a.
S 30	0n 6	26n58	4n39	9n23	2n 4	2n38	1n15	22n56	0n20	3s34	1n 4	23n23	0n20	10s 2	0s49	0n13	1n56	33s 4	12s 2	3n40	3n49	9n21		n.a.

Julian Day Number = 1474757.5, Delta T = 05h27m51s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°24'02, Lahiri = -13°17'01 Julian Calendar 1 Sept. 676 BCE == Greg. Calendar 25 Aug. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

OCTOBER 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 9 47	0♎45'56	23♊43	12♍22	27♍34	12♊41	11♎33	13♋54	6°R24	3♎53	25°R49	9♈ 7	9♈27	12♍ 8	n.a.	M 1
T 2	0 13 44	1°46'16	6♋25	13°37	28°49	12°57	11°46	13°57	6♓21	3°55	25♑49	9°R 7	9°24	12°15	n.a.	T 2
W 3	0 17 40	2°46'39	18°48	14°55	0♎ 5	13°12	11°59	14° 1	6°19	3°58	25°49	9° 7	9°21	12°21	n.a.	W 3
T 4	0 21 37	3°47'04	0♌57	16°17	1°20	13°28	12°13	14° 4	6°17	4° 0	25°48	9° 6	9°18	12°28	n.a.	T 4
F 5	0 25 33	4°47'31	12°55	17°42	2°36	13°42	12°26	14° 7	6°15	4° 2	25°48	9° 5	9°14	12°35	n.a.	F 5
S 6	0 29 30	5°48'00	24°46	19° 8	3°52	13°56	12°39	14°10	6°13	4° 4	25°48	9° 5	9°11	12°41	n.a.	S 6
S 7	0 33 26	6°48'31	6♍34	20°37	5° 7	14° 9	12°53	14°13	6°11	4° 7	25°47	9° 5	9° 8	12°48	n.a.	S 7
M 8	0 37 23	7°49'03	18°22	22° 7	6°23	14°22	13° 6	14°16	6° 9	4° 9	25°47	9° 4	9° 5	12°55	n.a.	M 8
T 9	0 41 19	8°49'37	0♎13	23°39	7°38	14°34	13°19	14°19	6° 7	4°11	25°47	9° 4	9° 2	13° 1	n.a.	T 9
W10	0 45 16	9°50'13	12° 8	25°11	8°54	14°46	13°33	14°21	6° 5	4°13	25°47	9° 4	8°59	13° 8	n.a.	W10
T 11	0 49 13	10°50'51	24°11	26°45	10° 9	14°57	13°46	14°24	6° 3	4°16	25°47	9° 4	8°55	13°15	n.a.	T 11
F 12	0 53 9	11°51'30	6♏21	28°19	11°25	15° 7	13°59	14°26	6° 2	4°18	25°46	9° 4	8°52	13°21	n.a.	F 12
S 13	0 57 6	12°52'11	18°42	29°53	12°40	15°16	14°13	14°28	6° 0	4°20	25°46	9° 4	8°49	13°28	n.a.	S 13
S 14	1 1 2	13°52'54	1♐15	1♎28	13°56	15°25	14°26	14°31	5°58	4°22	25°46	9° 3	8°46	13°35	n.a.	S 14
M15	1 4 59	14°53'37	14° 2	3° 3	15°12	15°33	14°40	14°33	5°56	4°25	25°46	9° 2	8°43	13°41	n.a.	M15
T 16	1 8 55	15°54'22	27° 6	4°38	16°27	15°41	14°53	14°35	5°54	4°27	25°46	9° 2	8°40	13°48	n.a.	T 16
W17	1 12 52	16°55'09	10♑28	6°14	17°43	15°48	15° 6	14°36	5°53	4°29	25°D46	9° 1	8°36	13°55	n.a.	W17
T 18	1 16 48	17°55'56	24° 9	7°49	18°58	15°54	15°20	14°38	5°51	4°31	25°46	9°D 1	8°33	14° 1	n.a.	T 18
F 19	1 20 45	18°56'44	8♒11	9°24	20°14	15°59	15°33	14°40	5°50	4°33	25°46	9° 2	8°30	14° 8	n.a.	F 19
S 20	1 24 42	19°57'34	22°32	11° 0	21°29	16° 4	15°46	14°41	5°48	4°36	25°46	9° 3	8°27	14°14	n.a.	S 20
S 21	1 28 38	20°58'24	7♓10	12°35	22°45	16° 7	16° 0	14°43	5°47	4°38	25°46	9° 4	8°24	14°21	n.a.	S 21
M22	1 32 35	21°59'16	22° 1	14°10	24° 0	16°11	16°13	14°44	5°45	4°40	25°46	9° 4	8°20	14°28	n.a.	M22
T 23	1 36 31	23° 0'09	6♈58	15°45	25°16	16°13	16°27	14°45	5°44	4°42	25°47	9°R 5	8°17	14°34	n.a.	T 23
W24	1 40 28	24° 1'02	21°52	17°20	26°32	16°14	16°40	14°47	5°42	4°44	25°47	9° 5	8°14	14°41	n.a.	W24
T 25	1 44 24	25° 1'58	6♉37	18°55	27°47	16°R15	16°53	14°48	5°41	4°46	25°47	9° 3	8°11	14°48	n.a.	T 25
F 26	1 48 21	26° 2'54	21° 4	20°30	29° 3	16°15	17° 7	14°48	5°40	4°49	25°47	9° 2	8° 8	14°54	n.a.	F 26
S 27	1 52 17	27° 3'52	5♊ 8	22° 5	0♏18	16°14	17°20	14°49	5°38	4°51	25°47	8°59	8° 5	15° 1	n.a.	S 27
S 28	1 56 14	28° 4'51	18°47	23°39	1°34	16°13	17°33	14°50	5°37	4°53	25°48	8°56	8° 1	15° 8	n.a.	S 28
M29	2 0 11	29° 5'52	2♋ 0	25°14	2°49	16°10	17°46	14°50	5°36	4°55	25°48	8°54	7°58	15°14	n.a.	M29
T 30	2 4 7	0♏ 6'54	14°48	26°48	4° 5	16° 7	18° 0	14°51	5°35	4°57	25°48	8°52	7°55	15°21	n.a.	T 30
W31	2 8 4	1♏ 7'57	27♋14	28♎23	5♏20	16♊ 3	18♎13	14♋51	5♓34	4♎59	25♑49	8°D51	7♈52	15♍28	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s19	28n43	5n 6	8n58	2n 7	2n 6	1n14	23n 0	0n22	3s39	1n 4	23n23	0n20	10s 3	0s49	0n12	1n56	33s 4	12s 1	3n40	3n48	9n17			n.a.
T 2	0 43	28 54	5 17	8 30	2 9	1 35	1 13	23 4	0 23	3 44	1 4	23 23	0 20	10 3	0 49	0 11	1 56	33 4	12 1	3 40	3 47	9 14			n.a.
W 3	1 7	27 36	5 13	8 0	2 9	1 3	1 11	23 7	0 25	3 50	1 4	23 22	0 21	10 4	0 49	0 10	1 56	33 4	12 1	3 40	3 45	9 11			n.a.
T 4	1 31	25 1	4 55	7 28	2 9	0 32	1 10	23 11	0 27	3 55	1 4	23 22	0 21	10 5	0 49	0 9	1 56	33 3	12 1	3 39	3 44	9 7			n.a.
F 5	1 56	21 23	4 24	6 53	2 8	0s 0	1 8	23 15	0 29	4 0	1 4	23 22	0 21	10 6	0 49	0 8	1 56	33 3	12 0	3 39	3 43	9 4			n.a.
S 6	2 20	16 56	3 42	6 17	2 6	0 32	1 7	23 19	0 31	4 6	1 4	23 22	0 21	10 6	0 49	0 7	1 56	33 3	12 0	3 39	3 41	9 1			n.a.
S 7	2 44	11 52	2 51	5 40	2 4	1 4	1 6	23 22	0 33	4 11	1 4	23 22	0 21	10 7	0 49	0 7	1 56	33 3	12 0	3 39	3 40	8 57			n.a.
M 8	3 9	6 23	1 53	5 1	2 1	1 35	1 4	23 26	0 35	4 16	1 3	23 21	0 21	10 8	0 48	0 6	1 56	33 3	12 0	3 39	3 39	8 54			n.a.
T 9	3 33	0 40	0 49	4 21	1 58	2 7	1 2	23 29	0 37	4 22	1 3	23 21	0 21	10 9	0 48	0 5	1 56	33 3	11 59	3 39	3 38	8 51			n.a.
W10	3 57	5s 8	0s17	3 40	1 54	2 39	1 1	23 32	0 39	4 27	1 3	23 21	0 22	10 9	0 48	0 4	1 56	33 2	11 59	3 39	3 36	8 47			n.a.
T 11	4 21	10 47	1 23	2 59	1 49	3 10	0 59	23 36	0 41	4 32	1 3	23 21	0 22	10 10	0 48	0 3	1 56	33 2	11 59	3 39	3 35	8 44			n.a.
F 12	4 45	16 7	2 26	2 17	1 45	3 42	0 57	23 39	0 43	4 37	1 3	23 21	0 22	10 11	0 48	0 2	1 56	33 2	11 59	3 39	3 34	8 41			n.a.
S 13	5 9	20 53	3 23	1 34	1 40	4 14	0 56	23 42	0 45	4 43	1 3	23 21	0 22	10 11	0 48	0 1	1 56	33 2	11 58	3 38	3 33	8 37			n.a.
S 14	5 33	24 48	4 11	0 51	1 34	4 45	0 54	23 45	0 47	4 48	1 3	23 21	0 22	10 12	0 48	0 0	1 56	33 1	11 58	3 38	3 31	8 34			n.a.
M15	5 57	27 34	4 48	0 8	1 29	5 16	0 52	23 48	0 50	4 53	1 3	23 20	0 22	10 13	0 48	0s 1	1 56	33 1	11 58	3 38	3 30	8 31			n.a.
T 16	6 21	28 55	5 11	0s36	1 23	5 47	0 50	23 51	0 52	4 59	1 3	23 20	0 22	10 13	0 48	0 1	1 56	33 1	11 58	3 38	3 29	8 27			n.a.
W17	6 44	28 38	5 17	1 20	1 17	6 19	0 48	23 54	0 54	5 4	1 3	23 20	0 22	10 14	0 48	0 2	1 56	33 1	11 57	3 38	3 28	8 24			n.a.
T 18	7 8	26 37	5 6	2 3	1 11	6 49	0 46	23 57	0 56	5 9	1 3	23 20	0 23	10 14	0 48	0 3	1 56	33 0	11 57	3 38	3 26	8 21			n.a.
F 19	7 31	22 56	4 37	2 47	1 5	7 20	0 44	24 0	0 59	5 14	1 3	23 20	0 23	10 15	0 48	0 4	1 56	33 0	11 57	3 38	3 25	8 17			n.a.
S 20	7 55	17 49	3 51	3 31	0 59	7 51	0 42	24 3	1 1	5 20	1 3	23 20	0 23	10 15	0 48	0 5	1 56	33 0	11 57	3 38	3 24	8 14			n.a.
S 21	8 18	11 35	2 48	4 14	0 52	8 21	0 40	24 6	1 3	5 25	1 3	23 20	0 23	10 16	0 48	0 6	1 56	33 0	11 56	3 38	3 22	8 11			n.a.
M22	8 41	4 38	1 33	4 58	0 46	8 51	0 38	24 8	1 6	5 30	1 3	23 20	0 23	10 17	0 48	0 7	1 56	32 59	11 56	3 39	3 21	8 7			n.a.
T 23	9 4	2n37	0 12	5 41	0 39	9 21	0 36	24 11	1 8	5 35	1 3	23 20	0 23	10 17	0 48	0 8	1 56	32 59	11 56	3 39	3 20	8 4			n.a.
W24	9 27	9 43	1n10	6 24	0 33	9 51	0 33	24 14	1 11	5 41	1 3	23 20	0 23	10 18	0 48	0 8	1 56	32 59	11 56	3 39	3 19	8 1			n.a.
T 25	9 49	16 13	2 27	7 7	0 26	10 21	0 31	24 16	1 13	5 46	1 3	23 20	0 24	10 18	0 48	0 9	1 56	32 59	11 55	3 38	3 17	7 57			n.a.
F 26	10 12	21 41	3 32	7 49	0 19	10 50	0 29	24 19	1 16	5 51	1 3	23 20	0 24	10 18	0 48	0 10	1 56	32 58	11 55	3 38	3 16	7 54			n.a.
S 27	10 34	25 46	4 22	8 31	0 13	11 19	0 27	24 21	1 18	5 56	1 3	23 20	0 24	10 19	0 48	0 11	1 56	32 58	11 55	3 37	3 15	7 50			n.a.
S 28	10 56	28 13	4 56	9 13	0 6	11 48	0 25	24 23	1 21	6 1	1 3	23 20	0 24	10 19	0 48	0 12	1 56	32 58	11 55	3 36	3 14	7 47			n.a.
M29	11 18	28 59	5 13	9 54	0s 0	12 16	0 22	24 26	1 23	6 7	1 3	23 20	0 24	10 20	0 48	0 13	1 56	32 57	11 54	3 35	3 12	7 44			n.a.
T 30	11 40	28 9	5 14	10 35	0 7	12 45	0 20	24 28	1 26	6 12	1 3	23 21	0 24	10 20	0 48	0 13	1 56	32 57	11 54	3 34	3 11	7 40			n.a.
W31	12s 2	25n54	5n 0	11s16	0s14	13s13	0n18	24n30	1n28	6s17	1n 3	23n21	0n24	10s21	0s48	0s14	1n56	32s57	11s54	3n33	3n10	7n37			n.a.

Julian Day Number = 1474787.5, Delta T = 05h27m50s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'58, Lahiri = -13°16'57 Julian Calendar 1 Oct. 676 BCE == Greg. Calendar 24 Sept. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

NOVEMBER 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 12 0	2♏ 9'01	9♌23	29♎57	6♏36	15°R58	18♎26	14♋51	5°R33	5♎ 1	25♑49	8♈51	7♈49	15♍34	n.a.	T 1
F 2	2 15 57	3°10'07	21°21	1♏32	7°51	15♊52	18°39	14°R51	5♓32	5° 3	25°49	8°52	7°46	15°41	n.a.	F 2
S 3	2 19 53	4°11'14	3♍10	3° 6	9° 7	15°45	18°53	14°51	5°31	5° 5	25°50	8°54	7°42	15°48	n.a.	S 3
S 4	2 23 50	5°12'22	14°58	4°40	10°22	15°38	19° 6	14°51	5°30	5° 7	25°50	8°56	7°39	15°54	n.a.	S 4
M 5	2 27 47	6°13'31	26°47	6°15	11°38	15°29	19°19	14°51	5°29	5° 9	25°51	8°57	7°36	16° 1	n.a.	M 5
T 6	2 31 43	7°14'40	8♎42	7°49	12°53	15°20	19°32	14°51	5°28	5°11	25°51	8°R58	7°33	16° 8	n.a.	T 6
W 7	2 35 40	8°15'51	20°45	9°24	14° 9	15°10	19°45	14°50	5°27	5°13	25°52	8°57	7°30	16°14	n.a.	W 7
T 8	2 39 36	9°17'03	2♏59	10°58	15°24	14°59	19°58	14°50	5°27	5°15	25°52	8°55	7°26	16°21	n.a.	T 8
F 9	2 43 33	10°18'15	15°26	12°33	16°40	14°47	20°11	14°49	5°26	5°17	25°53	8°51	7°23	16°28	n.a.	F 9
S 10	2 47 29	11°19'28	28° 6	14° 7	17°55	14°35	20°24	14°48	5°25	5°19	25°54	8°46	7°20	16°34	n.a.	S 10
S 11	2 51 26	12°20'42	11♐ 0	15°42	19°11	14°21	20°37	14°47	5°25	5°21	25°54	8°40	7°17	16°41	n.a.	S 11
M12	2 55 22	13°21'56	24° 6	17°17	20°26	14° 7	20°50	14°46	5°24	5°23	25°55	8°34	7°14	16°48	n.a.	M12
T 13	2 59 19	14°23'11	7♑25	18°52	21°42	13°52	21° 3	14°45	5°24	5°25	25°56	8°29	7°11	16°54	n.a.	T 13
W14	3 3 16	15°24'26	20°57	20°27	22°57	13°36	21°16	14°44	5°23	5°27	25°56	8°25	7° 7	17° 1	n.a.	W14
T 15	3 7 12	16°25'41	4♒40	22° 3	24°13	13°20	21°29	14°43	5°23	5°28	25°57	8°22	7° 4	17° 8	n.a.	T 15
F 16	3 11 9	17°26'56	18°35	23°38	25°28	13° 3	21°41	14°41	5°23	5°30	25°58	8°D22	7° 1	17°14	n.a.	F 16
S 17	3 15 5	18°28'11	2♓40	25°14	26°43	12°45	21°54	14°40	5°22	5°32	25°59	8°22	6°58	17°21	n.a.	S 17
S 18	3 19 2	19°29'26	16°57	26°50	27°59	12°27	22° 7	14°38	5°22	5°34	25°59	8°24	6°55	17°28	n.a.	S 18
M19	3 22 58	20°30'41	1♈21	28°26	29°14	12° 7	22°19	14°36	5°22	5°35	26° 0	8°R25	6°51	17°34	n.a.	M19
T 20	3 26 55	21°31'56	15°50	0♐ 2	0♐30	11°48	22°32	14°34	5°22	5°37	26° 1	8°25	6°48	17°41	n.a.	T 20
W21	3 30 51	22°33'11	0♉20	1°38	1°45	11°27	22°44	14°32	5°D22	5°39	26° 2	8°23	6°45	17°47	n.a.	W21
T 22	3 34 48	23°34'27	14°44	3°14	3° 0	11° 7	22°57	14°30	5°22	5°40	26° 3	8°19	6°42	17°54	n.a.	T 22
F 23	3 38 45	24°35'42	28°58	4°51	4°16	10°45	23° 9	14°28	5°22	5°42	26° 4	8°12	6°39	18° 1	n.a.	F 23
S 24	3 42 41	25°36'58	12♊56	6°27	5°31	10°23	23°22	14°26	5°22	5°44	26° 5	8° 4	6°36	18° 7	n.a.	S 24
S 25	3 46 38	26°38'14	26°32	8° 3	6°46	10° 1	23°34	14°23	5°22	5°45	26° 6	7°56	6°32	18°14	n.a.	S 25
M26	3 50 34	27°39'30	9♋47	9°40	8° 2	9°39	23°46	14°21	5°23	5°47	26° 7	7°47	6°29	18°21	n.a.	M26
T 27	3 54 31	28°40'46	22°38	11°16	9°17	9°16	23°58	14°18	5°23	5°48	26° 8	7°40	6°26	18°27	n.a.	T 27
W28	3 58 27	29°42'02	5♌ 7	12°52	10°32	8°52	24°11	14°16	5°23	5°50	26° 9	7°35	6°23	18°34	n.a.	W28
T 29	4 2 24	0♐43'18	17°19	14°27	11°48	8°29	24°23	14°13	5°23	5°51	26°10	7°31	6°20	18°41	n.a.	T 29
F 30	4 6 21	1♐44'35	29♌18	16♐ 3	13♐ 3	8♊ 5	24♎35	14♋10	5♓24	5♎53	26♑11	7°D30	6♈17	18♍47	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s23	22n31	4n32	11s56	0s20	13s40	0n15	24n32	1n31	6s22	1n 3	23n21	0n25	10s21	0s48	0s15	1n56	32s56	11s54	3n34	3n 8	7n34		n.a.
F 2	12 45	18 15	3 53	12 35	0 26	14 7	0 13	24 34	1 34	6 27	1 3	23 21	0 25	10 21	0 48	0 16	1 56	32 56	11 53	3 34	3 7	7 30		n.a.
S 3	13 6	13 21	3 4	13 14	0 33	14 34	0 11	24 36	1 36	6 32	1 2	23 21	0 25	10 22	0 48	0 17	1 56	32 56	11 53	3 35	3 6	7 27		n.a.
S 4	13 27	7 58	2 8	13 52	0 39	15 1	0 8	24 38	1 39	6 37	1 2	23 21	0 25	10 22	0 48	0 17	1 56	32 55	11 53	3 35	3 5	7 23		n.a.
M 5	13 47	2 19	1 7	14 30	0 45	15 27	0 6	24 40	1 42	6 42	1 2	23 21	0 25	10 22	0 48	0 18	1 56	32 55	11 53	3 36	3 3	7 20		n.a.
T 6	14 7	3s28	0 2	15 7	0 51	15 52	0 4	24 41	1 44	6 47	1 2	23 22	0 25	10 22	0 48	0 19	1 56	32 55	11 52	3 36	3 2	7 17		n.a.
W 7	14 28	9 12	1s 4	15 43	0 57	16 18	0 1	24 43	1 47	6 52	1 2	23 22	0 25	10 23	0 48	0 20	1 56	32 54	11 52	3 36	3 1	7 13		n.a.
T 8	14 47	14 41	2 8	16 19	1 3	16 42	0s 1	24 44	1 50	6 57	1 2	23 22	0 26	10 23	0 47	0 20	1 56	32 54	11 52	3 35	3 0	7 10		n.a.
F 9	15 7	19 40	3 6	16 54	1 8	17 7	0 4	24 46	1 53	7 2	1 2	23 22	0 26	10 23	0 47	0 21	1 56	32 54	11 52	3 34	2 58	7 7		n.a.
S 10	15 26	23 52	3 57	17 28	1 14	17 31	0 6	24 47	1 55	7 7	1 2	23 22	0 26	10 23	0 47	0 22	1 56	32 53	11 51	3 31	2 57	7 3		n.a.
S 11	15 46	26 58	4 36	18 2	1 19	17 54	0 8	24 48	1 58	7 12	1 2	23 23	0 26	10 23	0 47	0 23	1 57	32 53	11 51	3 29	2 56	7 0		n.a.
M12	16 4	28 40	5 1	18 35	1 24	18 17	0 11	24 49	2 1	7 17	1 2	23 23	0 26	10 24	0 47	0 23	1 57	32 52	11 51	3 27	2 54	6 56		n.a.
T 13	16 23	28 45	5 11	19 6	1 29	18 39	0 13	24 50	2 3	7 22	1 2	23 23	0 26	10 24	0 47	0 24	1 57	32 52	11 51	3 25	2 53	6 53		n.a.
W14	16 41	27 7	5 4	19 37	1 34	19 1	0 16	24 51	2 6	7 27	1 2	23 23	0 26	10 24	0 47	0 25	1 57	32 52	11 50	3 23	2 52	6 50		n.a.
T 15	16 59	23 53	4 39	20 7	1 38	19 23	0 18	24 51	2 9	7 32	1 2	23 24	0 27	10 24	0 47	0 25	1 57	32 51	11 50	3 22	2 51	6 46		n.a.
F 16	17 17	19 14	3 58	20 36	1 43	19 44	0 20	24 52	2 11	7 36	1 3	23 24	0 27	10 24	0 47	0 26	1 57	32 51	11 50	3 22	2 49	6 43		n.a.
S 17	17 34	13 29	3 2	21 4	1 47	20 4	0 23	24 52	2 14	7 41	1 3	23 24	0 27	10 24	0 47	0 27	1 57	32 51	11 50	3 22	2 48	6 39		n.a.
S 18	17 51	6 58	1 54	21 31	1 50	20 24	0 25	24 52	2 17	7 46	1 3	23 25	0 27	10 24	0 47	0 27	1 57	32 50	11 49	3 23	2 47	6 36		n.a.
M19	18 8	0 3	0 38	21 56	1 54	20 43	0 27	24 52	2 19	7 51	1 3	23 25	0 27	10 24	0 47	0 28	1 57	32 50	11 49	3 23	2 46	6 33		n.a.
T 20	18 24	6n56	0n40	22 21	1 57	21 2	0 30	24 52	2 22	7 55	1 3	23 25	0 27	10 24	0 47	0 29	1 57	32 49	11 49	3 23	2 44	6 29		n.a.
W21	18 40	13 33	1 56	22 44	2 0	21 19	0 32	24 51	2 24	8 0	1 3	23 26	0 28	10 24	0 47	0 29	1 57	32 49	11 49	3 22	2 43	6 26		n.a.
T 22	18 56	19 24	3 4	23 6	2 2	21 37	0 34	24 51	2 27	8 5	1 3	23 26	0 28	10 24	0 47	0 30	1 57	32 49	11 48	3 20	2 42	6 22		n.a.
F 23	19 11	24 5	3 59	23 26	2 4	21 54	0 36	24 50	2 29	8 9	1 3	23 26	0 28	10 24	0 47	0 31	1 57	32 48	11 48	3 18	2 40	6 19		n.a.
S 24	19 26	27 16	4 39	23 46	2 6	22 10	0 39	24 49	2 32	8 14	1 3	23 27	0 28	10 24	0 47	0 31	1 57	32 48	11 48	3 15	2 39	6 16		n.a.
S 25	19 41	28 45	5 1	24 3	2 7	22 25	0 41	24 48	2 34	8 18	1 3	23 27	0 28	10 24	0 47	0 32	1 57	32 47	11 48	3 11	2 38	6 12		n.a.
M26	19 55	28 31	5 7	24 20	2 8	22 40	0 43	24 47	2 36	8 23	1 3	23 28	0 28	10 24	0 47	0 32	1 57	32 47	11 48	3 8	2 37	6 9		n.a.
T 27	20 9	26 44	4 57	24 34	2 9	22 54	0 45	24 46	2 39	8 28	1 3	23 28	0 28	10 24	0 47	0 33	1 57	32 47	11 47	3 5	2 35	6 5		n.a.
W28	20 22	23 40	4 33	24 47	2 9	23 7	0 47	24 44	2 41	8 32	1 3	23 29	0 29	10 23	0 47	0 33	1 57	32 46	11 47	3 3	2 34	6 2		n.a.
T 29	20 35	19 37	3 57	24 59	2 8	23 20	0 49	24 43	2 43	8 36	1 3	23 29	0 29	10 23	0 47	0 34	1 57	32 46	11 47	3 2	2 33	5 59		n.a.
F 30	20s48	14n51	3n11	25s 8	2s 7	23s32	0s51	24n41	2n45	8s41	1n 3	23n29	0n29	10s23	0s47	0s34	1n57	32s45	11s47	3n 1	2n32	5n55		n.a.

Julian Day Number = 1474818.5, Delta T = 05h27m48s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'53, Lahiri = -13°16'53 Julian Calendar 1 Nov. 676 BCE == Greg. Calendar 25 Oct. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 676 BCE
geocentric

DECEMBER 676 BCE (-675) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 10 17	2♐45'51	11♍ 8	17♐37	14♐18	7°R41	24♎47	14°R 7	5♓24	5♎54	26♑12	7♈30	6♈13	18♍54	n.a.	S 1
S 2	4 14 14	3°47'08	22°56	19°11	15°34	7♊17	24°59	14♋ 4	5°25	5°56	26°13	7°31	6°10	19° 1	n.a.	S 2
M 3	4 18 10	4°48'24	4♎46	20°43	16°49	6°53	25°10	14° 1	5°25	5°57	26°14	7°R32	6° 7	19° 7	n.a.	M 3
T 4	4 22 7	5°49'41	16°44	22°15	18° 4	6°29	25°22	13°58	5°26	5°58	26°15	7°32	6° 4	19°14	n.a.	T 4
W 5	4 26 3	6°50'57	28°53	23°44	19°19	6° 5	25°34	13°54	5°27	6° 0	26°16	7°29	6° 1	19°21	n.a.	W 5
T 6	4 30 0	7°52'13	11♏18	25°12	20°34	5°41	25°45	13°51	5°27	6° 1	26°18	7°24	5°57	19°27	n.a.	T 6
F 7	4 33 56	8°53'29	24° 0	26°38	21°50	5°17	25°57	13°47	5°28	6° 2	26°19	7°16	5°54	19°34	n.a.	F 7
S 8	4 37 53	9°54'45	7♐ 0	28° 0	23° 5	4°53	26° 8	13°44	5°29	6° 4	26°20	7° 7	5°51	19°41	n.a.	S 8
S 9	4 41 50	10°56'00	20°18	29°20	24°20	4°30	26°20	13°40	5°30	6° 5	26°21	6°55	5°48	19°47	n.a.	S 9
M10	4 45 46	11°57'15	3♑50	0♑35	25°35	4° 7	26°31	13°36	5°31	6° 6	26°23	6°43	5°45	19°54	n.a.	M10
T 11	4 49 43	12°58'29	17°35	1°46	26°50	3°44	26°42	13°33	5°32	6° 7	26°24	6°33	5°42	20° 1	n.a.	T 11
W12	4 53 39	13°59'42	1♒28	2°51	28° 6	3°21	26°53	13°29	5°33	6° 8	26°25	6°24	5°38	20° 7	n.a.	W12
T 13	4 57 36	15° 0'54	15°28	3°50	29°21	2°59	27° 4	13°25	5°34	6° 9	26°26	6°18	5°35	20°14	n.a.	T 13
F 14	5 1 32	16° 2'05	29°30	4°43	0♑36	2°37	27°15	13°21	5°35	6°10	26°28	6°15	5°32	20°21	n.a.	F 14
S 15	5 5 29	17° 3'15	13♓34	5°27	1°51	2°16	27°26	13°17	5°36	6°11	26°29	6°D13	5°29	20°27	n.a.	S 15
S 16	5 9 26	18° 4'24	27°39	6° 3	3° 6	1°56	27°37	13°13	5°38	6°12	26°30	6°14	5°26	20°34	n.a.	S 16
M17	5 13 22	19° 5'32	11♈44	6°29	4°21	1°36	27°48	13° 9	5°39	6°13	26°32	6°R14	5°23	20°40	n.a.	M17
T 18	5 17 19	20° 6'38	25°49	6°45	5°36	1°16	27°58	13° 4	5°40	6°14	26°33	6°12	5°19	20°47	n.a.	T 18
W19	5 21 15	21° 7'44	9♉50	6°R49	6°51	0°57	28° 9	13° 0	5°42	6°15	26°35	6° 8	5°16	20°54	n.a.	W19
T 20	5 25 12	22° 8'48	23°47	6°43	8° 6	0°39	28°19	12°56	5°43	6°16	26°36	6° 2	5°13	21° 0	n.a.	T 20
F 21	5 29 8	23° 9'52	7♊36	6°24	9°21	0°21	28°30	12°51	5°44	6°17	26°37	5°52	5°10	21° 7	n.a.	F 21
S 22	5 33 5	24°10'54	21°13	5°55	10°36	0° 4	28°40	12°47	5°46	6°18	26°39	5°40	5° 7	21°14	n.a.	S 22
S 23	5 37 1	25°11'56	4♋35	5°14	11°51	29♉48	28°50	12°42	5°48	6°19	26°40	5°27	5° 3	21°20	n.a.	S 23
M24	5 40 58	26°12'56	17°39	4°24	13° 6	29°33	29° 0	12°38	5°49	6°19	26°42	5°14	5° 0	21°27	n.a.	M24
T 25	5 44 55	27°13'55	0♌25	3°25	14°21	29°18	29°10	12°33	5°51	6°20	26°43	5° 2	4°57	21°34	n.a.	T 25
W26	5 48 51	28°14'54	12°53	2°19	15°36	29° 4	29°20	12°29	5°53	6°21	26°45	4°52	4°54	21°40	n.a.	W26
T 27	5 52 48	29°15'51	25° 4	1° 8	16°51	28°51	29°29	12°24	5°54	6°21	26°46	4°45	4°51	21°47	n.a.	T 27
F 28	5 56 44	0♑16'47	7♍ 3	29♐54	18° 6	28°38	29°39	12°19	5°56	6°22	26°48	4°41	4°48	21°54	n.a.	F 28
S 29	6 0 41	1°17'42	18°54	28°40	19°20	28°27	29°49	12°15	5°58	6°22	26°49	4°39	4°44	22° 0	n.a.	S 29
S 30	6 4 37	2°18'37	0♎41	27°27	20°35	28°16	29°58	12°10	6° 0	6°23	26°51	4°39	4°41	22° 7	n.a.	S 30
M31	6 8 34	3♑19'30	12♎31	26♐18	21♑50	28♉ 6	0♏ 7	12♋ 5	6♓ 2	6♎24	26♑53	4♈39	4♈38	22♍14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s 0	9n36	2n17	25s16	2s 5	23s43	0s53	24n39	2n47	8s45	1n 3	23n30	0n29	10s23	0s47	0s35	1n58	32s45	11s47	3n 1	2n30	5n52		n.a.
S 2	21 12	4 2	1 18	25 22	2 3	23 54	0 55	24 36	2 49	8 50	1 3	23 30	0 29	10 23	0 46	0 36	1 58	32 45	11 46	3 2	2 29	5 48		n.a.
M 3	21 24	1s42	0 15	25 26	2 0	24 4	0 57	24 34	2 51	8 54	1 3	23 31	0 29	10 22	0 46	0 36	1 58	32 44	11 46	3 2	2 28	5 45		n.a.
T 4	21 35	7 25	0s49	25 28	1 56	24 13	0 59	24 32	2 52	8 58	1 3	23 31	0 29	10 22	0 46	0 37	1 58	32 44	11 46	3 2	2 26	5 41		n.a.
W 5	21 46	12 58	1 52	25 29	1 51	24 21	1 1	24 29	2 54	9 3	1 3	23 32	0 30	10 22	0 46	0 37	1 58	32 43	11 46	3 1	2 25	5 38		n.a.
T 6	21 56	18 7	2 50	25 27	1 46	24 29	1 3	24 26	2 56	9 7	1 3	23 32	0 30	10 21	0 46	0 37	1 58	32 43	11 46	2 59	2 24	5 35		n.a.
F 7	22 6	22 37	3 42	25 23	1 39	24 36	1 5	24 23	2 57	9 11	1 3	23 33	0 30	10 21	0 46	0 38	1 58	32 42	11 46	2 56	2 23	5 31		n.a.
S 8	22 15	26 6	4 23	25 18	1 32	24 42	1 6	24 20	2 59	9 15	1 3	23 33	0 30	10 21	0 46	0 38	1 58	32 42	11 45	2 52	2 21	5 28		n.a.
S 9	22 24	28 15	4 50	25 10	1 24	24 47	1 8	24 17	3 0	9 19	1 3	23 34	0 30	10 20	0 46	0 39	1 58	32 42	11 45	2 47	2 20	5 24		n.a.
M10	22 33	28 45	5 2	25 1	1 15	24 52	1 10	24 14	3 1	9 23	1 3	23 34	0 30	10 20	0 46	0 39	1 58	32 41	11 45	2 42	2 19	5 21		n.a.
T 11	22 41	27 31	4 57	24 50	1 4	24 56	1 11	24 11	3 3	9 27	1 3	23 35	0 30	10 20	0 46	0 40	1 58	32 41	11 45	2 38	2 18	5 17		n.a.
W12	22 48	24 34	4 35	24 38	0 53	24 59	1 13	24 8	3 4	9 31	1 4	23 35	0 30	10 19	0 46	0 40	1 58	32 40	11 45	2 35	2 16	5 14		n.a.
T 13	22 55	20 10	3 55	24 24	0 40	25 1	1 14	24 4	3 5	9 35	1 4	23 36	0 31	10 19	0 46	0 40	1 58	32 40	11 45	2 32	2 15	5 11		n.a.
F 14	23 2	14 38	3 2	24 8	0 27	25 3	1 16	24 1	3 6	9 39	1 4	23 37	0 31	10 18	0 46	0 41	1 58	32 39	11 44	2 31	2 14	5 7		n.a.
S 15	23 8	8 21	1 57	23 52	0 12	25 3	1 17	23 57	3 7	9 43	1 4	23 37	0 31	10 18	0 46	0 41	1 58	32 39	11 44	2 30	2 12	5 4		n.a.
S 16	23 14	1 38	0 45	23 35	0n 4	25 3	1 19	23 54	3 7	9 47	1 4	23 38	0 31	10 17	0 46	0 41	1 58	32 39	11 44	2 30	2 11	5 0		n.a.
M17	23 19	5n 9	0n29	23 17	0 20	25 2	1 20	23 50	3 8	9 51	1 4	23 38	0 31	10 17	0 46	0 42	1 59	32 38	11 44	2 30	2 10	4 57		n.a.
T 18	23 24	11 41	1 42	22 59	0 38	25 1	1 21	23 47	3 9	9 55	1 4	23 39	0 31	10 16	0 46	0 42	1 59	32 38	11 44	2 30	2 9	4 53		n.a.
W19	23 29	17 37	2 48	22 40	0 56	24 58	1 22	23 43	3 9	9 58	1 4	23 39	0 31	10 16	0 46	0 42	1 59	32 37	11 44	2 28	2 7	4 50		n.a.
T 20	23 33	22 35	3 43	22 22	1 15	24 55	1 24	23 40	3 10	10 2	1 4	23 40	0 32	10 15	0 46	0 43	1 59	32 37	11 44	2 26	2 6	4 46		n.a.
F 21	23 36	26 15	4 25	22 4	1 34	24 51	1 25	23 37	3 10	10 6	1 4	23 40	0 32	10 15	0 46	0 43	1 59	32 36	11 43	2 22	2 5	4 43		n.a.
S 22	23 39	28 19	4 51	21 47	1 52	24 46	1 26	23 33	3 11	10 9	1 4	23 41	0 32	10 14	0 46	0 43	1 59	32 36	11 43	2 17	2 4	4 40		n.a.
S 23	23 41	28 42	5 0	21 30	2 11	24 41	1 27	23 30	3 11	10 13	1 4	23 41	0 32	10 13	0 46	0 43	1 59	32 36	11 43	2 12	2 2	4 36		n.a.
M24	23 43	27 27	4 53	21 14	2 28	24 34	1 27	23 27	3 11	10 16	1 4	23 42	0 32	10 13	0 46	0 44	1 59	32 35	11 43	2 6	2 1	4 33		n.a.
T 25	23 45	24 46	4 32	21 0	2 44	24 27	1 28	23 24	3 11	10 20	1 4	23 43	0 32	10 12	0 46	0 44	1 59	32 35	11 43	2 2	2 0	4 29		n.a.
W26	23 46	20 59	3 58	20 46	2 59	24 20	1 29	23 20	3 11	10 23	1 5	23 43	0 32	10 11	0 46	0 44	1 59	32 34	11 43	1 58	1 58	4 26		n.a.
T 27	23 47	16 22	3 13	20 35	3 12	24 11	1 30	23 18	3 11	10 27	1 5	23 44	0 32	10 11	0 46	0 44	1 59	32 34	11 43	1 55	1 57	4 22		n.a.
F 28	23 47	11 13	2 21	20 24	3 22	24 2	1 30	23 15	3 11	10 30	1 5	23 44	0 33	10 10	0 45	0 44	1 59	32 34	11 43	1 53	1 56	4 19		n.a.
S 29	23 46	5 43	1 22	20 16	3 31	23 52	1 31	23 12	3 11	10 33	1 5	23 45	0 33	10 9	0 45	0 45	1 59	32 33	11 43	1 53	1 55	4 15		n.a.
S 30	23 45	0 3	0 21	20 9	3 37	23 41	1 31	23 9	3 11	10 36	1 5	23 45	0 33	10 9	0 45	0 45	1 59	32 33	11 43	1 52	1 53	4 12		n.a.
M31	23s44	5s39	0s42	20s 4	3n40	23s30	1s32	23n 7	3n11	10s40	1n 5	23n46	0n33	10s 8	0s45	0s45	1n59	32s32	11s43	1n52	1n52	4n 9		n.a.

Julian Day Number = 1474848.5, Delta T = 05h27m47s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'49, Lahiri = -13°16'49 Julian Calendar 1 Dec. 676 BCE == Greg. Calendar 24 Nov. 676 BCE

The year -675 astronomical counting style corresponds to year 676 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

JANUARY 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 12 30	4♑20'22	24♎29	25°R13	23♑ 5	27°R56	0♏16	12°R 0	6♓ 4	6♎24	26♑54	4°R38	4♈35	22♍20	n.a.	T 1
W 2	6 16 27	5°21'13	6♏41	24♐15	24°20	27♉48	0°25	11♋55	6° 6	6°24	26°56	4♈35	4°32	22°27	n.a.	W 2
T 3	6 20 24	6°22'03	19°10	23°24	25°34	27°40	0°34	11°51	6° 8	6°25	26°57	4°30	4°29	22°34	n.a.	T 3
F 4	6 24 20	7°22'52	2♐ 1	22°41	26°49	27°33	0°43	11°46	6°10	6°25	26°59	4°21	4°25	22°40	n.a.	F 4
S 5	6 28 17	8°23'39	15°15	22° 6	28° 4	27°27	0°52	11°41	6°12	6°26	27° 0	4°11	4°22	22°47	n.a.	S 5
S 6	6 32 13	9°24'26	28°52	21°39	29°18	27°22	1° 0	11°36	6°14	6°26	27° 2	3°58	4°19	22°53	n.a.	S 6
M 7	6 36 10	10°25'10	12♑48	21°21	0♒33	27°17	1° 9	11°31	6°16	6°26	27° 4	3°45	4°16	23° 0	n.a.	M 7
T 8	6 40 6	11°25'54	27° 0	21°10	1°48	27°14	1°17	11°26	6°19	6°26	27° 5	3°33	4°13	23° 7	n.a.	T 8
W 9	6 44 3	12°26'35	11♒21	21°D 7	3° 2	27°11	1°25	11°21	6°21	6°27	27° 7	3°23	4° 9	23°13	n.a.	W 9
T 10	6 48 0	13°27'15	25°46	21°11	4°17	27° 9	1°33	11°17	6°23	6°27	27° 9	3°16	4° 6	23°20	n.a.	T 10
F 11	6 51 56	14°27'53	10♓10	21°21	5°31	27° 7	1°41	11°12	6°26	6°27	27°10	3°12	4° 3	23°27	n.a.	F 11
S 12	6 55 53	15°28'28	24°27	21°38	6°46	27°D 7	1°49	11° 7	6°28	6°27	27°12	3°10	4° 0	23°33	n.a.	S 12
S 13	6 59 49	16°29'02	8♈37	22° 1	8° 0	27° 7	1°56	11° 2	6°31	6°27	27°13	3°D10	3°57	23°40	n.a.	S 13
M14	7 3 46	17°29'34	22°38	22°29	9°15	27° 8	2° 4	10°57	6°33	6°R27	27°15	3°R10	3°54	23°47	n.a.	M14
T 15	7 7 42	18°30'04	6♉29	23° 2	10°29	27° 9	2°11	10°52	6°35	6°27	27°17	3° 9	3°50	23°53	n.a.	T 15
W16	7 11 39	19°30'32	20°11	23°40	11°43	27°12	2°18	10°48	6°38	6°27	27°18	3° 6	3°47	24° 0	n.a.	W16
T 17	7 15 35	20°30'58	3♊44	24°22	12°58	27°15	2°26	10°43	6°41	6°27	27°20	2°59	3°44	24° 7	n.a.	T 17
F 18	7 19 32	21°31'22	17° 7	25° 8	14°12	27°19	2°32	10°38	6°43	6°27	27°22	2°50	3°41	24°13	n.a.	F 18
S 19	7 23 29	22°31'44	0♋19	25°57	15°26	27°23	2°39	10°33	6°46	6°27	27°23	2°39	3°38	24°20	n.a.	S 19
S 20	7 27 25	23°32'04	13°19	26°50	16°40	27°28	2°46	10°29	6°49	6°26	27°25	2°27	3°35	24°27	n.a.	S 20
M21	7 31 22	24°32'22	26° 5	27°46	17°55	27°34	2°52	10°24	6°51	6°26	27°27	2°15	3°31	24°33	n.a.	M21
T 22	7 35 18	25°32'38	8♌37	28°45	19° 9	27°41	2°59	10°19	6°54	6°26	27°29	2° 3	3°28	24°40	n.a.	T 22
W23	7 39 15	26°32'52	20°56	29°46	20°23	27°48	3° 5	10°15	6°57	6°26	27°30	1°54	3°25	24°47	n.a.	W23
T 24	7 43 11	27°33'05	3♍ 2	0♑50	21°37	27°55	3°11	10°10	7° 0	6°25	27°32	1°48	3°22	24°53	n.a.	T 24
F 25	7 47 8	28°33'15	14°59	1°56	22°51	28° 4	3°17	10° 6	7° 2	6°25	27°34	1°44	3°19	25° 0	n.a.	F 25
S 26	7 51 4	29°33'24	26°48	3° 4	24° 5	28°13	3°22	10° 1	7° 5	6°25	27°35	1°D42	3°15	25° 6	n.a.	S 26
S 27	7 55 1	0♒33'31	8♎35	4°15	25°19	28°22	3°28	9°57	7° 8	6°24	27°37	1°42	3°12	25°13	n.a.	S 27
M28	7 58 58	1°33'37	20°25	5°27	26°33	28°32	3°33	9°53	7°11	6°24	27°39	1°43	3° 9	25°20	n.a.	M28
T 29	8 2 54	2°33'40	2♏22	6°41	27°47	28°43	3°39	9°48	7°14	6°23	27°40	1°R43	3° 6	25°26	n.a.	T 29
W30	8 6 51	3°33'42	14°32	7°57	29° 1	28°54	3°44	9°44	7°17	6°23	27°42	1°43	3° 3	25°33	n.a.	W30
T 31	8 10 47	4♒33'42	27♏ 1	9♑15	0♓14	29♉ 6	3♏49	9♋40	7♓20	6♎22	27♑44	1♈40	3♈ 0	25♍40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s42	11 s13	1 s43	20 s 1	3n41	23 s17	1 s32	23n 4	3n11	10 s43	1n 5	23n47	0n33	10 s 7	0 s45	0 s45	2n 0	32 s32	11 s42	1n52	1n51	4n 5			n.a.
W 2	23 40	16 28	2 41	19 59	3 40	23 4	1 33	23 2	3 10	10 46	1 5	23 47	0 33	10 6	0 45	0 45	2 0	32 32	11 42	1 51	1 49	4 2			n.a.
T 3	23 37	21 10	3 32	20 0	3 37	22 51	1 33	23 0	3 10	10 49	1 5	23 48	0 33	10 5	0 45	0 45	2 0	32 31	11 42	1 49	1 48	3 58			n.a.
F 4	23 34	25 1	4 14	20 2	3 32	22 37	1 33	22 58	3 10	10 52	1 5	23 48	0 33	10 5	0 45	0 45	2 0	32 31	11 42	1 45	1 47	3 55			n.a.
S 5	23 31	27 39	4 44	20 7	3 26	22 22	1 33	22 56	3 9	10 55	1 5	23 49	0 33	10 4	0 45	0 45	2 0	32 30	11 42	1 41	1 46	3 51			n.a.
S 6	23 26	28 45	4 59	20 12	3 19	22 6	1 33	22 54	3 9	10 58	1 6	23 49	0 34	10 3	0 45	0 45	2 0	32 30	11 42	1 36	1 44	3 48			n.a.
M 7	23 22	28 4	4 57	20 20	3 10	21 50	1 33	22 53	3 8	11 1	1 6	23 50	0 34	10 2	0 45	0 46	2 0	32 30	11 42	1 31	1 43	3 44			n.a.
T 8	23 17	25 34	4 36	20 28	3 1	21 33	1 33	22 52	3 8	11 4	1 6	23 50	0 34	10 1	0 45	0 46	2 0	32 29	11 42	1 26	1 42	3 41			n.a.
W 9	23 11	21 25	3 58	20 38	2 51	21 16	1 33	22 50	3 7	11 6	1 6	23 51	0 34	10 0	0 45	0 46	2 0	32 29	11 42	1 22	1 41	3 37			n.a.
T 10	23 5	15 59	3 4	20 49	2 40	20 58	1 33	22 49	3 7	11 9	1 6	23 51	0 34	9 59	0 45	0 46	2 0	32 28	11 42	1 19	1 39	3 34			n.a.
F 11	22 59	9 41	1 59	21 0	2 30	20 39	1 32	22 48	3 6	11 12	1 6	23 52	0 34	9 58	0 45	0 46	2 0	32 28	11 42	1 17	1 38	3 30			n.a.
S 12	22 52	2 56	0 46	21 12	2 18	20 20	1 32	22 48	3 5	11 14	1 6	23 52	0 34	9 58	0 45	0 46	2 0	32 28	11 42	1 17	1 37	3 27			n.a.
S 13	22 45	3n54	0n29	21 25	2 7	20 0	1 31	22 47	3 5	11 17	1 6	23 53	0 34	9 57	0 45	0 45	2 0	32 27	11 42	1 17	1 35	3 24			n.a.
M14	22 37	10 29	1 41	21 38	1 56	19 39	1 31	22 47	3 4	11 19	1 6	23 53	0 34	9 56	0 45	0 45	2 0	32 27	11 42	1 17	1 34	3 20			n.a.
T 15	22 29	16 29	2 47	21 51	1 45	19 18	1 30	22 46	3 3	11 22	1 7	23 54	0 34	9 55	0 45	0 45	2 1	32 27	11 42	1 16	1 33	3 17			n.a.
W16	22 20	21 36	3 42	22 4	1 33	18 57	1 30	22 46	3 3	11 24	1 7	23 54	0 35	9 54	0 45	0 45	2 1	32 26	11 42	1 15	1 32	3 13			n.a.
T 17	22 11	25 31	4 24	22 17	1 22	18 35	1 29	22 46	3 2	11 27	1 7	23 55	0 35	9 53	0 45	0 45	2 1	32 26	11 42	1 12	1 30	3 10			n.a.
F 18	22 2	27 58	4 51	22 30	1 11	18 12	1 28	22 46	3 1	11 29	1 7	23 55	0 35	9 52	0 45	0 45	2 1	32 26	11 42	1 9	1 29	3 6			n.a.
S 19	21 52	28 48	5 1	22 43	1 0	17 49	1 27	22 47	3 0	11 31	1 7	23 56	0 35	9 51	0 45	0 45	2 1	32 25	11 42	1 4	1 28	3 3			n.a.
S 20	21 42	28 1	4 56	22 55	0 49	17 26	1 26	22 47	3 0	11 33	1 7	23 56	0 35	9 50	0 45	0 45	2 1	32 25	11 42	0 59	1 26	2 59			n.a.
M21	21 31	25 45	4 36	23 7	0 39	17 2	1 25	22 48	2 59	11 35	1 7	23 57	0 35	9 49	0 45	0 45	2 1	32 25	11 42	0 54	1 25	2 56			n.a.
T 22	21 20	22 16	4 3	23 18	0 28	16 37	1 24	22 48	2 58	11 37	1 7	23 57	0 35	9 48	0 45	0 45	2 1	32 24	11 42	0 50	1 24	2 52			n.a.
W23	21 9	17 52	3 19	23 28	0 18	16 12	1 23	22 49	2 57	11 39	1 8	23 58	0 35	9 46	0 45	0 44	2 1	32 24	11 42	0 46	1 23	2 49			n.a.
T 24	20 57	12 48	2 27	23 38	0 9	15 47	1 22	22 50	2 56	11 41	1 8	23 58	0 35	9 45	0 45	0 44	2 1	32 24	11 42	0 43	1 21	2 45			n.a.
F 25	20 45	7 21	1 28	23 47	0 s 1	15 21	1 20	22 51	2 56	11 43	1 8	23 59	0 35	9 44	0 45	0 44	2 1	32 23	11 42	0 42	1 20	2 42			n.a.
S 26	20 32	1 41	0 26	23 55	0 10	14 55	1 19	22 53	2 55	11 45	1 8	23 59	0 35	9 43	0 45	0 44	2 1	32 23	11 42	0 41	1 19	2 38			n.a.
S 27	20 19	4 s 1	0 s37	24 2	0 19	14 29	1 18	22 54	2 54	11 47	1 8	23 59	0 36	9 42	0 45	0 44	2 1	32 23	11 42	0 41	1 18	2 35			n.a.
M28	20 6	9 36	1 39	24 8	0 28	14 2	1 16	22 56	2 53	11 49	1 8	24 0	0 36	9 41	0 45	0 43	2 1	32 22	11 42	0 41	1 16	2 31			n.a.
T 29	19 52	14 55	2 37	24 13	0 36	13 35	1 15	22 57	2 52	11 50	1 8	24 0	0 36	9 40	0 45	0 43	2 1	32 22	11 42	0 42	1 15	2 28			n.a.
W30	19 38	19 45	3 29	24 16	0 44	13 7	1 13	22 59	2 51	11 52	1 8	24 1	0 36	9 39	0 44	0 43	2 2	32 22	11 42	0 41	1 14	2 25			n.a.
T 31	19 s24	23 s51	4 s12	24 s19	0 s52	12 s39	1 s11	23n 1	2n50	11 s53	1n 9	24n 1	0n36	9 s38	0 s44	0 s43	2n 2	32 s21	11 s43	0n40	1n12	2n21			n.a.

Julian Day Number = 1474879.5, Delta T = 05h27m45s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'45, Lahiri = -13°16'45 Julian Calendar 1 Jan. 675 BCE == Greg. Calendar 25 Dec. 676 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

FEBRUARY 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 14 44	5♒33'41	9♐52	10♑34	1♓28	29♉18	3♏53	9°R36	7♓23	6°R22	27♑45	1°R35	2♈56	25♍46	n.a.	F 1
S 2	8 18 40	6°33'38	23° 9	11°55	2°42	29°31	3°58	9♋32	7°26	6♎21	27°47	1♈28	2°53	25°53	n.a.	S 2
S 3	8 22 37	7°33'33	6♑53	13°17	3°56	29°44	4° 2	9°28	7°29	6°21	27°49	1°20	2°50	26° 0	n.a.	S 3
M 4	8 26 33	8°33'26	21° 2	14°41	5° 9	29°58	4° 6	9°24	7°32	6°20	27°50	1°11	2°47	26° 6	n.a.	M 4
T 5	8 30 30	9°33'17	5♒32	16° 6	6°23	0♊13	4°11	9°20	7°35	6°19	27°52	1° 2	2°44	26°13	n.a.	T 5
W 6	8 34 27	10°33'06	20°16	17°33	7°36	0°27	4°14	9°16	7°38	6°19	27°54	0°56	2°41	26°20	n.a.	W 6
T 7	8 38 23	11°32'52	5♓ 7	19° 0	8°50	0°43	4°18	9°12	7°41	6°18	27°55	0°51	2°37	26°26	n.a.	T 7
F 8	8 42 20	12°32'36	19°55	20°29	10° 3	0°58	4°22	9° 8	7°45	6°17	27°57	0°48	2°34	26°33	n.a.	F 8
S 9	8 46 16	13°32'18	4♈36	22° 0	11°17	1°15	4°25	9° 5	7°48	6°16	27°58	0°D48	2°31	26°40	n.a.	S 9
S 10	8 50 13	14°31'58	19° 3	23°32	12°30	1°31	4°28	9° 1	7°51	6°15	28° 0	0°49	2°28	26°46	n.a.	S 10
M11	8 54 9	15°31'35	3♉13	25° 5	13°43	1°48	4°31	8°58	7°54	6°15	28° 2	0°50	2°25	26°53	n.a.	M11
T 12	8 58 6	16°31'10	17° 6	26°39	14°57	2° 6	4°34	8°55	7°57	6°14	28° 3	0°R50	2°21	26°59	n.a.	T 12
W13	9 2 2	17°30'42	0♊43	28°14	16°10	2°24	4°37	8°51	8° 1	6°13	28° 5	0°50	2°18	27° 6	n.a.	W13
T 14	9 5 59	18°30'12	14° 3	29°51	17°23	2°42	4°39	8°48	8° 4	6°12	28° 6	0°47	2°15	27°13	n.a.	T 14
F 15	9 9 55	19°29'40	27° 8	1♒29	18°36	3° 1	4°41	8°45	8° 7	6°11	28° 8	0°42	2°12	27°19	n.a.	F 15
S 16	9 13 52	20°29'05	9♋59	3° 9	19°49	3°20	4°43	8°42	8°10	6°10	28°10	0°36	2° 9	27°26	n.a.	S 16
S 17	9 17 49	21°28'28	22°38	4°49	21° 2	3°39	4°45	8°39	8°14	6° 9	28°11	0°29	2° 6	27°33	n.a.	S 17
M18	9 21 45	22°27'49	5♌ 5	6°31	22°15	3°59	4°47	8°36	8°17	6° 8	28°13	0°22	2° 2	27°39	n.a.	M18
T 19	9 25 42	23°27'07	17°21	8°14	23°28	4°19	4°49	8°34	8°20	6° 7	28°14	0°16	1°59	27°46	n.a.	T 19
W20	9 29 38	24°26'23	29°28	9°59	24°40	4°40	4°50	8°31	8°24	6° 6	28°16	0°11	1°56	27°53	n.a.	W20
T 21	9 33 35	25°25'37	11♍26	11°45	25°53	5° 1	4°51	8°28	8°27	6° 5	28°17	0° 7	1°53	27°59	n.a.	T 21
F 22	9 37 31	26°24'48	23°18	13°32	27° 6	5°22	4°52	8°26	8°30	6° 3	28°19	0° 5	1°50	28° 6	n.a.	F 22
S 23	9 41 28	27°23'58	5♎ 6	15°21	28°18	5°43	4°53	8°24	8°34	6° 2	28°20	0°D 5	1°47	28°13	n.a.	S 23
S 24	9 45 24	28°23'05	16°53	17°11	29°31	6° 5	4°53	8°21	8°37	6° 1	28°22	0° 6	1°43	28°19	n.a.	S 24
M25	9 49 21	29°22'11	28°43	19° 2	0♈43	6°27	4°54	8°19	8°41	6° 0	28°23	0° 8	1°40	28°26	n.a.	M25
T 26	9 53 18	0♓21'15	10♏41	20°55	1°56	6°50	4°54	8°17	8°44	5°59	28°25	0°10	1°37	28°32	n.a.	T 26
W27	9 57 14	1°20'17	22°50	22°49	3° 8	7°12	4°R54	8°15	8°47	5°57	28°26	0°11	1°34	28°39	n.a.	W27
T 28	10 1 11	2♓19'17	5♐17	24♒44	4♈20	7♊35	4♏54	8♋13	8♓51	5♎56	28♑28	0°R11	1♈31	28♍46	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s 9	26s56	4s45	24s20	0s59	12s11	1s10	23n 3	2n50	11s55	1n 9	24n 1	0n36	9s36	0s44	0s42	2n 2	32s21	11s43	0n38	1n11	2n18		n.a.
S 2	18 54	28 38	5 3	24 20	1 7	11 43	1 8	23 5	2 49	11 56	1 9	24 2	0 36	9 35	0 44	0 42	2 2	32 21	11 43	0 36	1 10	2 14		n.a.
S 3	18 38	28 40	5 5	24 19	1 13	11 14	1 6	23 7	2 48	11 58	1 9	24 2	0 36	9 34	0 44	0 42	2 2	32 21	11 43	0 32	1 9	2 11		n.a.
M 4	18 23	26 51	4 48	24 17	1 20	10 45	1 4	23 9	2 47	11 59	1 9	24 3	0 36	9 33	0 44	0 41	2 2	32 20	11 43	0 29	1 7	2 7		n.a.
T 5	18 7	23 14	4 13	24 13	1 26	10 15	1 2	23 11	2 46	12 0	1 9	24 3	0 36	9 32	0 44	0 41	2 2	32 20	11 43	0 25	1 6	2 4		n.a.
W 6	17 50	18 6	3 20	24 7	1 31	9 46	1 0	23 13	2 45	12 2	1 9	24 3	0 36	9 31	0 44	0 41	2 2	32 20	11 43	0 22	1 5	2 0		n.a.
T 7	17 34	11 51	2 14	24 0	1 37	9 16	0 58	23 16	2 44	12 3	1 9	24 4	0 36	9 29	0 44	0 40	2 2	32 20	11 43	0 20	1 3	1 57		n.a.
F 8	17 17	4 56	0 58	23 52	1 42	8 46	0 56	23 18	2 43	12 4	1 10	24 4	0 36	9 28	0 44	0 40	2 2	32 19	11 43	0 19	1 2	1 53		n.a.
S 9	17 0	2n10	0n21	23 42	1 46	8 15	0 53	23 21	2 43	12 5	1 10	24 4	0 36	9 27	0 44	0 40	2 2	32 19	11 43	0 19	1 1	1 50		n.a.
S 10	16 42	9 3	1 37	23 31	1 51	7 45	0 51	23 24	2 42	12 6	1 10	24 4	0 37	9 26	0 44	0 39	2 2	32 19	11 44	0 20	1 0	1 46		n.a.
M11	16 24	15 22	2 46	23 18	1 54	7 14	0 49	23 26	2 41	12 7	1 10	24 5	0 37	9 24	0 44	0 39	2 2	32 19	11 44	0 20	0 58	1 43		n.a.
T 12	16 6	20 45	3 44	23 3	1 58	6 43	0 46	23 29	2 40	12 7	1 10	24 5	0 37	9 23	0 44	0 38	2 2	32 18	11 44	0 20	0 57	1 39		n.a.
W13	15 48	24 57	4 28	22 47	2 1	6 12	0 44	23 32	2 39	12 8	1 10	24 5	0 37	9 22	0 44	0 38	2 2	32 18	11 44	0 20	0 56	1 36		n.a.
T 14	15 30	27 43	4 57	22 29	2 3	5 41	0 41	23 35	2 38	12 9	1 10	24 6	0 37	9 21	0 44	0 38	2 2	32 18	11 44	0 19	0 54	1 32		n.a.
F 15	15 11	28 54	5 9	22 9	2 6	5 10	0 39	23 38	2 37	12 10	1 11	24 6	0 37	9 19	0 44	0 37	2 2	32 18	11 44	0 17	0 53	1 29		n.a.
S 16	14 52	28 28	5 5	21 48	2 7	4 38	0 36	23 41	2 36	12 10	1 11	24 6	0 37	9 18	0 44	0 37	2 3	32 17	11 44	0 15	0 52	1 25		n.a.
S 17	14 33	26 34	4 47	21 25	2 9	4 7	0 34	23 44	2 36	12 11	1 11	24 6	0 37	9 17	0 44	0 36	2 3	32 17	11 44	0 12	0 51	1 22		n.a.
M18	14 13	23 23	4 15	21 0	2 9	3 35	0 31	23 47	2 35	12 11	1 11	24 7	0 37	9 16	0 44	0 36	2 3	32 17	11 45	0 9	0 49	1 18		n.a.
T 19	13 54	19 12	3 32	20 33	2 10	3 4	0 28	23 50	2 34	12 12	1 11	24 7	0 37	9 14	0 44	0 35	2 3	32 17	11 45	0 6	0 48	1 15		n.a.
W20	13 34	14 18	2 39	20 5	2 10	2 32	0 25	23 53	2 33	12 12	1 11	24 7	0 37	9 13	0 44	0 35	2 3	32 17	11 45	0 4	0 47	1 11		n.a.
T 21	13 14	8 55	1 40	19 34	2 9	2 0	0 23	23 56	2 32	12 12	1 11	24 7	0 37	9 12	0 44	0 34	2 3	32 17	11 45	0 3	0 46	1 8		n.a.
F 22	12 53	3 16	0 37	19 2	2 8	1 28	0 20	23 59	2 31	12 12	1 12	24 8	0 37	9 11	0 44	0 34	2 3	32 16	11 45	0 2	0 44	1 4		n.a.
S 23	12 33	2s28	0s27	18 28	2 7	0 56	0 17	24 2	2 30	12 13	1 12	24 8	0 37	9 9	0 44	0 33	2 3	32 16	11 45	0 2	0 43	1 1		n.a.
S 24	12 12	8 7	1 31	17 53	2 4	0 24	0 14	24 5	2 30	12 13	1 12	24 8	0 37	9 8	0 44	0 33	2 3	32 16	11 46	0 3	0 42	0 57		n.a.
M25	11 51	13 31	2 31	17 15	2 2	0n 8	0 11	24 8	2 29	12 13	1 12	24 8	0 37	9 7	0 44	0 32	2 3	32 16	11 46	0 3	0 40	0 54		n.a.
T 26	11 30	18 28	3 25	16 36	1 59	0 39	0 8	24 11	2 28	12 13	1 12	24 8	0 37	9 5	0 44	0 32	2 3	32 16	11 46	0 4	0 39	0 50		n.a.
W27	11 9	22 46	4 10	15 55	1 55	1 11	0 5	24 14	2 27	12 12	1 12	24 8	0 37	9 4	0 44	0 31	2 3	32 16	11 46	0 4	0 38	0 47		n.a.
T 28	10s48	26s10	4s45	15s12	1s51	1n43	0s 2	24n17	2n26	12s12	1n12	24n 9	0n37	9s 3	0s44	0s31	2n 3	32s16	11s46	0n 5	0n37	0n44		n.a.

Julian Day Number = 1474910.5, Delta T = 05h27m44s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'41, Lahiri = -13°16'40 Julian Calendar 1 Feb. 675 BCE == Greg. Calendar 25 Jan. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

MARCH 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 5 7	3♓18'15	18♐ 5	26♒41	5♈33	7♊58	4°R54	8°R11	8♓54	5°R55	28♑29	0°R10	1♈27	28♍52	n.a.	F 1
S 2	10 9 4	4°17'11	1♑17	28°39	6°45	8°22	4♏53	8♋10	8°58	5♎53	28°31	0♈ 8	1°24	28°59	n.a.	S 2
S 3	10 13 0	5°16'06	14°58	0♓38	7°57	8°46	4°52	8° 8	9° 1	5°52	28°32	0° 5	1°21	29° 6	n.a.	S 3
M 4	10 16 57	6°14'59	29° 6	2°39	9° 9	9°10	4°52	8° 7	9° 4	5°51	28°33	0° 2	1°18	29°12	n.a.	M 4
T 5	10 20 53	7°13'49	13♒38	4°41	10°21	9°34	4°50	8° 5	9° 8	5°49	28°35	29♓59	1°15	29°19	n.a.	T 5
W 6	10 24 50	8°12'38	28°31	6°44	11°33	9°59	4°49	8° 4	9°11	5°48	28°36	29°56	1°12	29°26	n.a.	W 6
T 7	10 28 47	9°11'24	13♓35	8°48	12°44	10°24	4°48	8° 3	9°15	5°47	28°37	29°55	1° 8	29°32	n.a.	T 7
F 8	10 32 43	10°10'09	28°43	10°52	13°56	10°49	4°46	8° 2	9°18	5°45	28°39	29°D54	1° 5	29°39	n.a.	F 8
S 9	10 36 40	11° 8'51	13♈44	12°58	15° 8	11°14	4°44	8° 1	9°22	5°44	28°40	29°54	1° 2	29°46	n.a.	S 9
S 10	10 40 36	12° 7'31	28°31	15° 4	16°19	11°40	4°42	8° 0	9°25	5°42	28°41	29°55	0°59	29°52	n.a.	S 10
M11	10 44 33	13° 6'09	12♉59	17°10	17°31	12° 6	4°40	7°59	9°28	5°41	28°43	29°57	0°56	29°59	n.a.	M11
T 12	10 48 29	14° 4'44	27° 4	19°16	18°42	12°32	4°38	7°59	9°32	5°39	28°44	29°58	0°53	0♎ 6	n.a.	T 12
W13	10 52 26	15° 3'17	10♊45	21°23	19°53	12°58	4°35	7°58	9°35	5°38	28°45	29°R58	0°49	0°12	n.a.	W13
T 14	10 56 22	16° 1'48	24° 4	23°28	21° 5	13°24	4°32	7°58	9°39	5°36	28°46	29°58	0°46	0°19	n.a.	T 14
F 15	11 0 19	17° 0'16	7♋ 2	25°33	22°16	13°51	4°29	7°57	9°42	5°35	28°48	29°57	0°43	0°25	n.a.	F 15
S 16	11 4 15	17°58'43	19°42	27°37	23°27	14°18	4°26	7°57	9°45	5°33	28°49	29°56	0°40	0°32	n.a.	S 16
S 17	11 8 12	18°57'07	2♌ 7	29°39	24°38	14°45	4°23	7°D57	9°49	5°32	28°50	29°55	0°37	0°39	n.a.	S 17
M18	11 12 9	19°55'28	14°20	1♈40	25°49	15°12	4°20	7°57	9°52	5°30	28°51	29°53	0°33	0°45	n.a.	M18
T 19	11 16 5	20°53'48	26°23	3°38	27° 0	15°40	4°16	7°57	9°56	5°29	28°52	29°52	0°30	0°52	n.a.	T 19
W20	11 20 2	21°52'06	8♍19	5°34	28°10	16° 7	4°12	7°57	9°59	5°27	28°53	29°51	0°27	0°59	n.a.	W20
T 21	11 23 58	22°50'21	20°10	7°28	29°21	16°35	4° 8	7°58	10° 2	5°26	28°55	29°50	0°24	1° 5	n.a.	T 21
F 22	11 27 55	23°48'35	1♎59	9°18	0♉31	17° 3	4° 4	7°58	10° 6	5°24	28°56	29°D50	0°21	1°12	n.a.	F 22
S 23	11 31 51	24°46'46	13°46	11° 5	1°42	17°32	4° 0	7°59	10° 9	5°22	28°57	29°50	0°18	1°19	n.a.	S 23
S 24	11 35 48	25°44'56	25°36	12°49	2°52	18° 0	3°55	7°59	10°12	5°21	28°58	29°51	0°14	1°25	n.a.	S 24
M25	11 39 44	26°43'05	7♏30	14°30	4° 2	18°28	3°51	8° 0	10°16	5°19	28°59	29°51	0°11	1°32	n.a.	M25
T 26	11 43 41	27°41'11	19°32	16° 6	5°12	18°57	3°46	8° 1	10°19	5°18	29° 0	29°51	0° 8	1°39	n.a.	T 26
W27	11 47 37	28°39'16	1♐45	17°39	6°22	19°26	3°41	8° 2	10°22	5°16	29° 1	29°52	0° 5	1°45	n.a.	W27
T 28	11 51 34	29°37'20	14°13	19° 7	7°32	19°55	3°36	8° 3	10°26	5°14	29° 2	29°R52	0° 2	1°52	n.a.	T 28
F 29	11 55 31	0♈35'22	26°59	20°32	8°42	20°24	3°31	8° 4	10°29	5°13	29° 3	29°D52	29♓58	1°58	n.a.	F 29
S 30	11 59 27	1°33'23	10♑ 7	21°52	9°52	20°53	3°26	8° 6	10°32	5°11	29° 4	29°52	29°55	2° 5	n.a.	S 30
S 31	12 3 24	2♈31'22	23♑39	23♈ 8	11♉ 1	21♊23	3♏20	8♋ 7	10♓35	5♎10	29♑ 5	29♓52	29♓52	2♎12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s26	28s20	5s 7	14s27	1s46	2n15	0n 1	24n20	2n25	12s12	1n12	24n 9	0n38	9s 1	0s44	0s30	2n 3	32s15	11s47	0n 4	0n35	0n40		n.a.
S 2	10 5	29 1	5 14	13 41	1 41	2 47	0 4	24 23	2 25	12 12	1 13	24 9	0 38	9 0	0 44	0 29	2 3	32 15	11 47	0 3	0 34	0 37		n.a.
S 3	9 43	27 57	5 4	12 53	1 35	3 19	0 8	24 27	2 24	12 11	1 13	24 9	0 38	8 59	0 44	0 29	2 3	32 15	11 47	0 2	0 33	0 33		n.a.
M 4	9 21	25 7	4 35	12 3	1 28	3 50	0 11	24 30	2 23	12 11	1 13	24 9	0 38	8 58	0 44	0 28	2 3	32 15	11 47	0 1	0 31	0 30		n.a.
T 5	8 59	20 36	3 48	11 11	1 22	4 22	0 14	24 33	2 22	12 11	1 13	24 9	0 38	8 56	0 44	0 28	2 3	32 15	11 48	0s 0	0 30	0 26		n.a.
W 6	8 36	14 43	2 45	10 19	1 14	4 53	0 17	24 36	2 21	12 10	1 13	24 9	0 38	8 55	0 44	0 27	2 3	32 15	11 48	0 2	0 29	0 23		n.a.
T 7	8 14	7 54	1 29	9 24	1 6	5 25	0 20	24 38	2 21	12 9	1 13	24 10	0 38	8 54	0 44	0 27	2 3	32 15	11 48	0 2	0 28	0 19		n.a.
F 8	7 52	0 37	0 7	8 29	0 57	5 56	0 24	24 41	2 20	12 9	1 13	24 10	0 38	8 52	0 44	0 26	2 3	32 15	11 48	0 2	0 26	0 16		n.a.
S 9	7 29	6n39	1n16	7 32	0 48	6 27	0 27	24 44	2 19	12 8	1 13	24 10	0 38	8 51	0 44	0 25	2 3	32 15	11 48	0 2	0 25	0 12		n.a.
S 10	7 7	13 27	2 32	6 34	0 39	6 58	0 30	24 47	2 18	12 7	1 13	24 10	0 38	8 50	0 44	0 25	2 3	32 15	11 49	0 2	0 24	0 9		n.a.
M11	6 44	19 23	3 36	5 35	0 29	7 29	0 33	24 50	2 17	12 6	1 14	24 10	0 38	8 48	0 44	0 24	2 4	32 15	11 49	0 1	0 22	0 5		n.a.
T 12	6 21	24 5	4 26	4 35	0 19	7 59	0 37	24 53	2 17	12 5	1 14	24 10	0 38	8 47	0 44	0 24	2 4	32 15	11 49	0 1	0 21	0 2		n.a.
W13	5 58	27 18	4 59	3 35	0 8	8 30	0 40	24 55	2 16	12 4	1 14	24 10	0 38	8 46	0 44	0 23	2 4	32 15	11 49	0 1	0 20	0s 2		n.a.
T 14	5 35	28 53	5 15	2 35	0n 3	9 0	0 43	24 58	2 15	12 3	1 14	24 10	0 38	8 44	0 44	0 22	2 4	32 14	11 50	0 1	0 19	0 5		n.a.
F 15	5 12	28 49	5 14	1 35	0 14	9 30	0 46	25 0	2 14	12 2	1 14	24 10	0 38	8 43	0 44	0 22	2 4	32 14	11 50	0 1	0 17	0 9		n.a.
S 16	4 49	27 13	4 58	0 35	0 25	10 0	0 50	25 3	2 14	12 1	1 14	24 10	0 38	8 42	0 44	0 21	2 4	32 14	11 50	0 2	0 16	0 12		n.a.
S 17	4 26	24 19	4 28	0n25	0 36	10 30	0 53	25 5	2 13	12 0	1 14	24 10	0 38	8 41	0 44	0 20	2 4	32 14	11 50	0 2	0 15	0 16		n.a.
M18	4 3	20 22	3 46	1 24	0 48	10 59	0 56	25 8	2 12	11 59	1 14	24 10	0 38	8 39	0 44	0 20	2 4	32 14	11 51	0 3	0 13	0 19		n.a.
T 19	3 39	15 38	2 55	2 22	0 59	11 28	0 59	25 10	2 11	11 57	1 14	24 10	0 38	8 38	0 44	0 19	2 4	32 14	11 51	0 3	0 12	0 23		n.a.
W20	3 16	10 22	1 57	3 18	1 10	11 57	1 3	25 12	2 10	11 56	1 14	24 10	0 38	8 37	0 44	0 18	2 4	32 14	11 51	0 4	0 11	0 26		n.a.
T 21	2 53	4 46	0 53	4 14	1 20	12 25	1 6	25 15	2 10	11 55	1 14	24 10	0 38	8 35	0 44	0 18	2 4	32 14	11 52	0 4	0 10	0 30		n.a.
F 22	2 30	0s59	0s12	5 7	1 31	12 54	1 9	25 17	2 9	11 53	1 15	24 10	0 38	8 34	0 44	0 17	2 4	32 15	11 52	0 4	0 8	0 33		n.a.
S 23	2 6	6 41	1 17	5 59	1 41	13 22	1 12	25 19	2 8	11 52	1 15	24 10	0 38	8 33	0 44	0 16	2 4	32 15	11 52	0 4	0 7	0 37		n.a.
S 24	1 43	12 11	2 18	6 49	1 50	13 49	1 16	25 21	2 7	11 50	1 15	24 10	0 38	8 32	0 44	0 16	2 4	32 15	11 52	0 4	0 6	0 40		n.a.
M25	1 19	17 16	3 14	7 37	1 59	14 16	1 19	25 22	2 7	11 49	1 15	24 10	0 38	8 30	0 44	0 15	2 4	32 15	11 53	0 4	0 5	0 44		n.a.
T 26	0 56	21 45	4 3	8 23	2 8	14 43	1 22	25 24	2 6	11 47	1 15	24 10	0 38	8 29	0 44	0 15	2 4	32 15	11 53	0 3	0 3	0 47		n.a.
W27	0 33	25 23	4 40	9 6	2 15	15 10	1 25	25 26	2 5	11 45	1 15	24 10	0 38	8 28	0 44	0 14	2 4	32 15	11 53	0 3	0 2	0 51		n.a.
T 28	0 9	27 54	5 6	9 47	2 22	15 36	1 28	25 28	2 4	11 43	1 15	24 10	0 38	8 27	0 44	0 13	2 4	32 15	11 54	0 3	0 1	0 54		n.a.
F 29	0n14	29 2	5 17	10 25	2 29	16 2	1 31	25 29	2 4	11 42	1 15	24 10	0 38	8 25	0 44	0 13	2 4	32 15	11 54	0 3	0s 1	0 58		n.a.
S 30	0 38	28 35	5 13	11 1	2 34	16 28	1 34	25 30	2 3	11 40	1 15	24 10	0 38	8 24	0 44	0 12	2 4	32 15	11 54	0 3	0 2	1 1		n.a.
S 31	1n 1	26s27	4s51	11n34	2n39	16n53	1n37	25n32	2n 2	11s38	1n15	24n10	0n38	8s23	0s44	0s11	2n 4	32s15	11s54	0s 3	0s 3	1s 5		n.a.

Julian Day Number = 1474938.5, Delta T = 05h27m42s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'37, Lahiri = -13°16'36 Julian Calendar 1 March 675 BCE == Greg. Calendar 22 Feb. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

APRIL 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 7 20	3♈29'19	7♒37	24♈19	12♉11	21♊53	3°R15	8♋ 8	10♓39	5°R 8	29♑ 5	29♓52	29♓49	2♎18	n.a.	M 1
T 2	12 11 17	4°27'16	22° 0	25°26	13°20	22°22	3♏ 9	8°10	10°42	5♎ 6	29° 6	29°52	29°46	2°25	n.a.	T 2
W 3	12 15 13	5°25'10	6♓46	26°29	14°29	22°52	3° 3	8°12	10°45	5° 5	29° 7	29°53	29°43	2°32	n.a.	W 3
T 4	12 19 10	6°23'04	21°48	27°27	15°38	23°22	2°57	8°14	10°48	5° 3	29° 8	29°53	29°39	2°38	n.a.	T 4
F 5	12 23 6	7°20'55	6♈59	28°20	16°47	23°53	2°51	8°15	10°51	5° 1	29° 9	29°R53	29°36	2°45	n.a.	F 5
S 6	12 27 3	8°18'45	22° 9	29° 9	17°56	24°23	2°45	8°17	10°54	5° 0	29° 9	29°53	29°33	2°52	n.a.	S 6
S 7	12 31 0	9°16'34	7♉ 9	29°52	19° 5	24°54	2°38	8°20	10°57	4°58	29°10	29°52	29°30	2°58	n.a.	S 7
M 8	12 34 56	10°14'20	21°50	0♉31	20°14	25°24	2°32	8°22	11° 1	4°57	29°11	29°51	29°27	3° 5	n.a.	M 8
T 9	12 38 53	11°12'06	6♊ 9	1° 6	21°22	25°55	2°25	8°24	11° 4	4°55	29°12	29°50	29°24	3°12	n.a.	T 9
W10	12 42 49	12° 9'49	20° 0	1°35	22°31	26°26	2°19	8°26	11° 7	4°53	29°12	29°48	29°20	3°18	n.a.	W10
T 11	12 46 46	13° 7'31	3♋25	1°59	23°39	26°57	2°12	8°29	11°10	4°52	29°13	29°48	29°17	3°25	n.a.	T 11
F 12	12 50 42	14° 5'10	16°24	2°18	24°47	27°28	2° 5	8°32	11°13	4°50	29°14	29°D48	29°14	3°32	n.a.	F 12
S 13	12 54 39	15° 2'49	29° 1	2°32	25°55	27°59	1°58	8°34	11°16	4°49	29°14	29°48	29°11	3°38	n.a.	S 13
S 14	12 58 35	16° 0'25	11♌21	2°42	27° 3	28°31	1°51	8°37	11°19	4°47	29°15	29°49	29° 8	3°45	n.a.	S 14
M15	13 2 32	16°58'00	23°26	2°R46	28°11	29° 2	1°44	8°40	11°22	4°45	29°15	29°50	29° 4	3°51	n.a.	M15
T 16	13 6 29	17°55'33	5♍22	2°46	29°18	29°34	1°37	8°43	11°25	4°44	29°16	29°52	29° 1	3°58	n.a.	T 16
W17	13 10 25	18°53'05	17°12	2°41	0♊26	0♋ 6	1°30	8°46	11°27	4°42	29°16	29°53	28°58	4° 5	n.a.	W17
T 18	13 14 22	19°50'35	28°59	2°31	1°33	0°37	1°22	8°49	11°30	4°41	29°17	29°R53	28°55	4°11	n.a.	T 18
F 19	13 18 18	20°48'04	10♎47	2°17	2°40	1° 9	1°15	8°52	11°33	4°39	29°17	29°53	28°52	4°18	n.a.	F 19
S 20	13 22 15	21°45'31	22°38	2° 0	3°47	1°41	1° 8	8°56	11°36	4°38	29°18	29°51	28°49	4°25	n.a.	S 20
S 21	13 26 11	22°42'58	4♏33	1°38	4°53	2°14	1° 0	8°59	11°39	4°36	29°18	29°49	28°45	4°31	n.a.	S 21
M22	13 30 8	23°40'23	16°36	1°14	6° 0	2°46	0°53	9° 3	11°41	4°34	29°19	29°46	28°42	4°38	n.a.	M22
T 23	13 34 4	24°37'47	28°48	0°46	7° 6	3°18	0°45	9° 6	11°44	4°33	29°19	29°42	28°39	4°45	n.a.	T 23
W24	13 38 1	25°35'11	11♐10	0°16	8°13	3°51	0°38	9°10	11°47	4°31	29°19	29°38	28°36	4°51	n.a.	W24
T 25	13 41 58	26°32'33	23°46	29♈45	9°19	4°23	0°30	9°14	11°50	4°30	29°20	29°34	28°33	4°58	n.a.	T 25
F 26	13 45 54	27°29'55	6♑36	29°12	10°24	4°56	0°22	9°18	11°52	4°29	29°20	29°31	28°30	5° 5	n.a.	F 26
S 27	13 49 51	28°27'16	19°44	28°38	11°30	5°29	0°15	9°22	11°55	4°27	29°20	29°30	28°26	5°11	n.a.	S 27
S 28	13 53 47	29°24'36	3♒11	28° 4	12°36	6° 2	0° 7	9°26	11°57	4°26	29°20	29°D30	28°23	5°18	n.a.	S 28
M29	13 57 44	0♉21'56	16°59	27°31	13°41	6°35	29♎59	9°30	12° 0	4°24	29°21	29°30	28°20	5°24	n.a.	M29
T 30	14 1 40	1♉19'15	1♓ 9	26♈59	14♊46	7♋ 8	29♎52	9♋34	12♓ 2	4♎23	29♑21	29♓32	28♓17	5♎31	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	1n24	22s40	4s12	12n 4	2n43	17n17	1n40	25n33	2n 2	11s36	1n15	24n10	0n39	8s22	0s44	0s11	2n 4	32s15	11s55	0s 3	0s 4	1s 8		n.a.	M 1
T 2	1 48	17 27	3 15	12 32	2 46	17 42	1 43	25 34	2 1	11 34	1 15	24 10	0 39	8 20	0 44	0 10	2 4	32 15	11 55	0 3	0 6	1 12		n.a.	T 2
W 3	2 11	11 5	2 5	12 57	2 48	18 6	1 46	25 35	2 0	11 32	1 15	24 10	0 39	8 19	0 44	0 9	2 4	32 15	11 55	0 3	0 7	1 15		n.a.	W 3
T 4	2 34	3 59	0 45	13 20	2 49	18 29	1 49	25 36	1 59	11 30	1 15	24 10	0 39	8 18	0 44	0 9	2 4	32 16	11 56	0 3	0 8	1 19		n.a.	T 4
F 5	2 57	3n25	0n39	13 39	2 49	18 52	1 51	25 37	1 59	11 27	1 15	24 10	0 39	8 17	0 44	0 8	2 4	32 16	11 56	0 3	0 10	1 22		n.a.	F 5
S 6	3 21	10 36	2 1	13 56	2 48	19 15	1 54	25 37	1 58	11 25	1 15	24 9	0 39	8 16	0 44	0 7	2 4	32 16	11 56	0 3	0 11	1 26		n.a.	S 6
S 7	3 44	17 7	3 12	14 10	2 46	19 37	1 57	25 38	1 57	11 23	1 15	24 9	0 39	8 14	0 44	0 7	2 4	32 16	11 57	0 3	0 12	1 29		n.a.	S 7
M 8	4 7	22 30	4 10	14 22	2 43	19 58	1 59	25 38	1 57	11 21	1 15	24 9	0 39	8 13	0 44	0 6	2 4	32 16	11 57	0 4	0 13	1 33		n.a.	M 8
T 9	4 30	26 24	4 50	14 30	2 39	20 19	2 2	25 39	1 56	11 19	1 15	24 9	0 39	8 12	0 44	0 5	2 4	32 16	11 57	0 4	0 15	1 36		n.a.	T 9
W10	4 52	28 35	5 12	14 36	2 34	20 40	2 4	25 39	1 55	11 16	1 15	24 9	0 39	8 11	0 44	0 5	2 4	32 16	11 58	0 5	0 16	1 39		n.a.	W10
T 11	5 15	29 0	5 16	14 39	2 28	21 0	2 7	25 39	1 55	11 14	1 15	24 9	0 39	8 10	0 44	0 4	2 4	32 17	11 58	0 5	0 17	1 43		n.a.	T 11
F 12	5 38	27 47	5 4	14 39	2 21	21 19	2 9	25 39	1 54	11 12	1 15	24 9	0 39	8 9	0 44	0 3	2 4	32 17	11 58	0 5	0 19	1 46		n.a.	F 12
S 13	6 1	25 9	4 37	14 36	2 13	21 38	2 12	25 39	1 53	11 9	1 15	24 9	0 39	8 7	0 44	0 3	2 4	32 17	11 59	0 5	0 20	1 50		n.a.	S 13
S 14	6 23	21 25	3 57	14 30	2 3	21 57	2 14	25 39	1 52	11 7	1 15	24 8	0 39	8 6	0 44	0 2	2 4	32 17	11 59	0 4	0 21	1 53		n.a.	S 14
M15	6 45	16 51	3 8	14 22	1 53	22 15	2 16	25 38	1 52	11 4	1 15	24 8	0 39	8 5	0 44	0 2	2 4	32 17	11 59	0 4	0 22	1 57		n.a.	M15
T 16	7 8	11 42	2 12	14 11	1 41	22 32	2 18	25 38	1 51	11 2	1 15	24 8	0 39	8 4	0 44	0 1	2 4	32 18	12 0	0 3	0 24	2 0		n.a.	T 16
W17	7 30	6 11	1 10	13 58	1 29	22 49	2 20	25 37	1 50	10 59	1 15	24 8	0 39	8 3	0 44	0 0	2 4	32 18	12 0	0 3	0 25	2 4		n.a.	W17
T 18	7 52	0 29	0 5	13 42	1 16	23 5	2 22	25 36	1 50	10 57	1 15	24 8	0 39	8 2	0 44	0n 0	2 4	32 18	12 0	0 3	0 26	2 7		n.a.	T 18
F 19	8 14	5s14	1s 0	13 24	1 1	23 20	2 24	25 36	1 49	10 54	1 15	24 7	0 39	8 1	0 44	0 1	2 4	32 18	12 1	0 3	0 28	2 11		n.a.	F 19
S 20	8 36	10 49	2 2	13 3	0 46	23 35	2 26	25 34	1 48	10 52	1 15	24 7	0 39	8 0	0 44	0 2	2 4	32 18	12 1	0 3	0 29	2 14		n.a.	S 20
S 21	8 57	16 2	3 0	12 41	0 31	23 50	2 27	25 33	1 48	10 49	1 15	24 7	0 39	7 59	0 45	0 2	2 4	32 19	12 1	0 4	0 30	2 18		n.a.	S 21
M22	9 19	20 42	3 49	12 17	0 14	24 3	2 29	25 32	1 47	10 47	1 15	24 7	0 39	7 58	0 45	0 3	2 4	32 19	12 2	0 6	0 31	2 21		n.a.	M22
T 23	9 40	24 33	4 30	11 52	0s 2	24 17	2 31	25 31	1 46	10 44	1 15	24 7	0 39	7 57	0 45	0 3	2 4	32 19	12 2	0 7	0 33	2 25		n.a.	T 23
W24	10 2	27 21	4 58	11 26	0 19	24 29	2 32	25 29	1 46	10 41	1 15	24 6	0 39	7 56	0 45	0 4	2 4	32 19	12 2	0 9	0 34	2 28		n.a.	W24
T 25	10 23	28 49	5 12	10 58	0 37	24 41	2 33	25 27	1 45	10 39	1 15	24 6	0 39	7 55	0 45	0 4	2 4	32 20	12 3	0 10	0 35	2 32		n.a.	T 25
F 26	10 44	28 48	5 11	10 31	0 54	24 52	2 35	25 25	1 44	10 36	1 14	24 6	0 39	7 54	0 45	0 5	2 4	32 20	12 3	0 12	0 36	2 35		n.a.	F 26
S 27	11 5	27 9	4 54	10 3	1 11	25 3	2 36	25 23	1 44	10 34	1 14	24 6	0 39	7 53	0 45	0 6	2 4	32 20	12 3	0 12	0 38	2 39		n.a.	S 27
S 28	11 25	23 57	4 21	9 35	1 27	25 13	2 37	25 21	1 43	10 31	1 14	24 5	0 39	7 52	0 45	0 6	2 4	32 20	12 4	0 12	0 39	2 42		n.a.	S 28
M29	11 46	19 20	3 32	9 8	1 43	25 22	2 38	25 19	1 42	10 28	1 14	24 5	0 39	7 51	0 45	0 7	2 4	32 21	12 4	0 12	0 40	2 46		n.a.	M29
T 30	12n 6	13s32	2s29	8n42	1s59	25n31	2n38	25n17	1n42	10s26	1n14	24n 5	0n39	7s50	0s45	0n 7	2n 4	32s21	12s 4	0s11	0s42	2s49		n.a.	T 30

Julian Day Number = 1474969.5, Delta T = 05h27m41s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'33, Lahiri = -13°16'32 Julian Calendar 1 Apr. 675 BCE == Greg. Calendar 25 March 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

MAY 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 5 37	2♉16'33	15♓39	26°R28	15♊51	7♋41	29°R44	9♋38	12♓ 5	4°R21	29♑21	29♓33	28♓14	5♎38	n.a.	W 1
T 2	14 9 33	3°13'50	0♈26	26♈ 0	16°55	8°14	29♎37	9°43	12° 7	4♎20	29°21	29°R33	28°10	5°44	n.a.	T 2
F 3	14 13 30	4°11'07	15°25	25°34	18° 0	8°48	29°29	9°47	12°10	4°19	29°21	29°33	28° 7	5°51	n.a.	F 3
S 4	14 17 27	5° 8'23	0♉28	25°10	19° 4	9°21	29°21	9°52	12°12	4°17	29°21	29°30	28° 4	5°58	n.a.	S 4
S 5	14 21 23	6° 5'39	15°26	24°51	20° 8	9°55	29°14	9°56	12°14	4°16	29°21	29°26	28° 1	6° 4	n.a.	S 5
M 6	14 25 20	7° 2'53	0♊11	24°35	21°12	10°28	29° 6	10° 1	12°17	4°15	29°22	29°21	27°58	6°11	n.a.	M 6
T 7	14 29 16	8° 0'07	14°34	24°23	22°15	11° 2	28°59	10° 6	12°19	4°13	29°22	29°15	27°55	6°18	n.a.	T 7
W 8	14 33 13	8°57'20	28°32	24°15	23°19	11°36	28°51	10°11	12°21	4°12	29°R22	29°10	27°51	6°24	n.a.	W 8
T 9	14 37 9	9°54'33	12♋ 3	24°D11	24°22	12°10	28°44	10°16	12°23	4°11	29°22	29° 5	27°48	6°31	n.a.	T 9
F 10	14 41 6	10°51'44	25° 6	24°12	25°24	12°44	28°37	10°21	12°26	4°10	29°21	29° 2	27°45	6°38	n.a.	F 10
S 11	14 45 3	11°48'54	7♌46	24°17	26°27	13°18	28°29	10°26	12°28	4° 8	29°21	29°D 1	27°42	6°44	n.a.	S 11
S 12	14 48 59	12°46'04	20° 5	24°27	27°29	13°52	28°22	10°31	12°30	4° 7	29°21	29° 1	27°39	6°51	n.a.	S 12
M13	14 52 56	13°43'12	2♍ 8	24°41	28°31	14°26	28°15	10°36	12°32	4° 6	29°21	29° 2	27°35	6°58	n.a.	M13
T 14	14 56 52	14°40'20	14° 2	25° 0	29°32	15° 1	28° 8	10°41	12°34	4° 5	29°21	29° 4	27°32	7° 4	n.a.	T 14
W15	15 0 49	15°37'28	25°50	25°23	0♋34	15°35	28° 1	10°47	12°36	4° 4	29°21	29°R 5	27°29	7°11	n.a.	W15
T 16	15 4 45	16°34'34	7♎37	25°51	1°34	16° 9	27°54	10°52	12°38	4° 3	29°21	29° 4	27°26	7°17	n.a.	T 16
F 17	15 8 42	17°31'40	19°27	26°24	2°35	16°44	27°47	10°57	12°39	4° 2	29°20	29° 2	27°23	7°24	n.a.	F 17
S 18	15 12 38	18°28'46	1♏23	27° 1	3°35	17°19	27°40	11° 3	12°41	4° 0	29°20	28°58	27°20	7°31	n.a.	S 18
S 19	15 16 35	19°25'51	13°28	27°42	4°35	17°53	27°34	11° 9	12°43	3°59	29°20	28°51	27°16	7°37	n.a.	S 19
M20	15 20 32	20°22'56	25°43	28°27	5°35	18°28	27°27	11°14	12°45	3°58	29°20	28°43	27°13	7°44	n.a.	M20
T 21	15 24 28	21°20'01	8♐ 9	29°17	6°34	19° 3	27°21	11°20	12°47	3°57	29°19	28°34	27°10	7°51	n.a.	T 21
W22	15 28 25	22°17'06	20°47	0♉11	7°33	19°38	27°14	11°26	12°48	3°57	29°19	28°25	27° 7	7°57	n.a.	W22
T 23	15 32 21	23°14'11	3♑38	1° 9	8°31	20°13	27° 8	11°32	12°50	3°56	29°19	28°16	27° 4	8° 4	n.a.	T 23
F 24	15 36 18	24°11'15	16°41	2°11	9°29	20°48	27° 2	11°38	12°51	3°55	29°18	28° 9	27° 1	8°11	n.a.	F 24
S 25	15 40 14	25° 8'20	29°58	3°16	10°27	21°23	26°56	11°44	12°53	3°54	29°18	28° 4	26°57	8°17	n.a.	S 25
S 26	15 44 11	26° 5'25	13♒28	4°26	11°24	21°58	26°50	11°50	12°54	3°53	29°17	28° 2	26°54	8°24	n.a.	S 26
M27	15 48 7	27° 2'30	27°13	5°40	12°21	22°34	26°45	11°56	12°56	3°52	29°17	28°D 1	26°51	8°31	n.a.	M27
T 28	15 52 4	27°59'36	11♓13	6°57	13°17	23° 9	26°39	12° 2	12°57	3°51	29°16	28° 1	26°48	8°37	n.a.	T 28
W29	15 56 1	28°56'41	25°27	8°18	14°13	23°45	26°33	12° 8	12°59	3°51	29°16	28°R 2	26°45	8°44	n.a.	W29
T 30	15 59 57	29°53'47	9♈56	9°43	15° 8	24°20	26°28	12°14	13° 0	3°50	29°15	28° 1	26°41	8°51	n.a.	T 30
F 31	16 3 54	0♊50'54	24♈34	11♉11	16♋ 3	24♋56	26♎23	12♋20	13♓ 1	3♎49	29♑15	27♓59	26♓38	8♎57	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	12n26	6s53	1s15	8n17	2s14	25n39	2n39	25n14	1n41	10s23	1n14	24n 5	0n39	7s49	0s45	0n 8	2n 3	32s21	12s 5	0s11	0s43	2s53			n.a.
T 2	12 46	0n15	0n 5	7 53	2 28	25 47	2 40	25 11	1 40	10 21	1 14	24 4	0 39	7 48	0 45	0 8	2 3	32 22	12 5	0 11	0 44	2 56			n.a.
F 3	13 6	7 28	1 26	7 31	2 41	25 53	2 40	25 9	1 40	10 18	1 14	24 4	0 39	7 47	0 45	0 9	2 3	32 22	12 5	0 11	0 45	2 59			n.a.
S 4	13 25	14 18	2 41	7 12	2 53	25 59	2 41	25 6	1 39	10 15	1 14	24 4	0 39	7 46	0 45	0 9	2 3	32 22	12 6	0 12	0 47	3 3			n.a.
S 5	13 44	20 16	3 44	6 54	3 4	26 5	2 41	25 2	1 38	10 13	1 13	24 3	0 39	7 45	0 45	0 10	2 3	32 23	12 6	0 14	0 48	3 6			n.a.
M 6	14 4	24 54	4 32	6 39	3 14	26 10	2 41	24 59	1 38	10 10	1 13	24 3	0 39	7 44	0 45	0 10	2 3	32 23	12 6	0 16	0 49	3 10			n.a.
T 7	14 22	27 51	5 1	6 27	3 22	26 14	2 41	24 56	1 37	10 8	1 13	24 3	0 39	7 44	0 45	0 11	2 3	32 23	12 7	0 18	0 51	3 13			n.a.
W 8	14 41	28 57	5 11	6 17	3 30	26 17	2 41	24 52	1 37	10 5	1 13	24 2	0 39	7 43	0 45	0 11	2 3	32 24	12 7	0 20	0 52	3 17			n.a.
T 9	15 0	28 15	5 3	6 10	3 36	26 20	2 41	24 48	1 36	10 3	1 13	24 2	0 39	7 42	0 45	0 12	2 3	32 24	12 7	0 22	0 53	3 20			n.a.
F 10	15 18	25 59	4 39	6 5	3 41	26 22	2 40	24 44	1 35	10 0	1 13	24 2	0 40	7 41	0 45	0 12	2 3	32 24	12 8	0 23	0 54	3 24			n.a.
S 11	15 36	22 29	4 3	6 4	3 45	26 24	2 40	24 40	1 35	9 58	1 12	24 1	0 40	7 40	0 45	0 13	2 3	32 25	12 8	0 24	0 56	3 27			n.a.
S 12	15 53	18 5	3 16	6 5	3 48	26 25	2 39	24 36	1 34	9 55	1 12	24 1	0 40	7 40	0 45	0 13	2 3	32 25	12 9	0 24	0 57	3 31			n.a.
M13	16 11	13 3	2 21	6 9	3 49	26 25	2 39	24 32	1 33	9 53	1 12	24 0	0 40	7 39	0 45	0 14	2 3	32 25	12 9	0 23	0 58	3 34			n.a.
T 14	16 28	7 36	1 21	6 15	3 50	26 24	2 38	24 27	1 33	9 50	1 12	24 0	0 40	7 38	0 45	0 14	2 3	32 26	12 9	0 23	1 0	3 38			n.a.
W15	16 45	1 57	0 18	6 24	3 49	26 23	2 37	24 23	1 32	9 48	1 12	24 0	0 40	7 37	0 45	0 14	2 3	32 26	12 10	0 22	1 1	3 41			n.a.
T 16	17 2	3s46	0s46	6 36	3 48	26 22	2 35	24 18	1 31	9 46	1 12	23 59	0 40	7 37	0 45	0 15	2 3	32 26	12 10	0 22	1 2	3 45			n.a.
F 17	17 18	9 22	1 48	6 50	3 45	26 19	2 34	24 13	1 31	9 44	1 11	23 59	0 40	7 36	0 45	0 15	2 3	32 27	12 10	0 23	1 3	3 48			n.a.
S 18	17 34	14 42	2 45	7 6	3 42	26 16	2 33	24 8	1 30	9 41	1 11	23 58	0 40	7 35	0 45	0 16	2 3	32 27	12 11	0 25	1 5	3 51			n.a.
S 19	17 50	19 32	3 36	7 25	3 38	26 13	2 31	24 3	1 29	9 39	1 11	23 58	0 40	7 35	0 45	0 16	2 3	32 28	12 11	0 28	1 6	3 55			n.a.
M20	18 6	23 37	4 17	7 46	3 33	26 9	2 29	23 57	1 29	9 37	1 11	23 57	0 40	7 34	0 45	0 16	2 3	32 28	12 11	0 31	1 7	3 58			n.a.
T 21	18 21	26 42	4 47	8 9	3 27	26 4	2 27	23 52	1 28	9 35	1 11	23 57	0 40	7 33	0 45	0 17	2 3	32 28	12 12	0 35	1 8	4 2			n.a.
W22	18 36	28 29	5 3	8 34	3 20	25 58	2 25	23 46	1 28	9 33	1 10	23 57	0 40	7 33	0 45	0 17	2 3	32 29	12 12	0 38	1 10	4 5			n.a.
T 23	18 51	28 48	5 4	9 1	3 13	25 52	2 23	23 40	1 27	9 31	1 10	23 56	0 40	7 32	0 45	0 17	2 3	32 29	12 12	0 42	1 11	4 9			n.a.
F 24	19 5	27 31	4 50	9 30	3 5	25 46	2 20	23 34	1 26	9 29	1 10	23 56	0 40	7 31	0 45	0 18	2 3	32 29	12 12	0 45	1 12	4 12			n.a.
S 25	19 19	24 40	4 20	10 1	2 57	25 39	2 18	23 28	1 26	9 27	1 10	23 55	0 40	7 31	0 45	0 18	2 2	32 30	12 13	0 47	1 14	4 16			n.a.
S 26	19 33	20 27	3 35	10 33	2 48	25 31	2 15	23 21	1 25	9 25	1 9	23 55	0 40	7 30	0 46	0 18	2 2	32 30	12 13	0 48	1 15	4 19			n.a.
M27	19 46	15 4	2 37	11 7	2 38	25 23	2 12	23 15	1 24	9 23	1 9	23 54	0 40	7 30	0 46	0 18	2 2	32 31	12 13	0 48	1 16	4 23			n.a.
T 28	20 0	8 50	1 29	11 42	2 28	25 14	2 9	23 8	1 24	9 21	1 9	23 54	0 40	7 29	0 46	0 19	2 2	32 31	12 14	0 48	1 17	4 26			n.a.
W29	20 12	2 2	0 14	12 18	2 18	25 5	2 6	23 1	1 23	9 19	1 9	23 53	0 40	7 29	0 46	0 19	2 2	32 32	12 14	0 48	1 19	4 30			n.a.
T 30	20 25	4n57	1n 3	12 56	2 7	24 56	2 2	22 54	1 23	9 17	1 9	23 52	0 40	7 28	0 46	0 19	2 2	32 32	12 14	0 48	1 20	4 33			n.a.
F 31	20n37	11n46	2n17	13n34	1s56	24n45	1n58	22n47	1n22	9s16	1n 8	23n52	0n40	7s28	0s46	0n20	2n 2	32s32	12s15	0s49	1s21	4s36			n.a.

Julian Day Number = 1474999.5, Delta T = 05h27m39s
Ecliptic obliquity = 23°46'45, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'29, Lahiri = -13°16'28 Julian Calendar 1 May 675 BCE == Greg. Calendar 24 Apr. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

JUNE 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 7 50	1♊48'00	9♉18	12♉44	16♋57	25♋32	26°R18	12♋27	13♓ 3	3°R48	29°R14	27°R54	26♓35	9♎ 4	n.a.	S 1
S 2	16 11 47	2°45'07	24° 0	14°19	17°51	26° 7	26♎13	12°33	13° 4	3♎48	29♑14	27♓47	26°32	9°11	n.a.	S 2
M 3	16 15 43	3°42'15	8♊33	15°58	18°44	26°43	26° 8	12°40	13° 5	3°47	29°13	27°37	26°29	9°17	n.a.	M 3
T 4	16 19 40	4°39'23	22°49	17°40	19°37	27°19	26° 4	12°46	13° 6	3°46	29°13	27°27	26°26	9°24	n.a.	T 4
W 5	16 23 37	5°36'30	6♋44	19°26	20°29	27°55	25°59	12°53	13° 7	3°46	29°12	27°17	26°22	9°30	n.a.	W 5
T 6	16 27 33	6°33'38	20°14	21°15	21°20	28°31	25°55	12°59	13° 8	3°45	29°11	27° 8	26°19	9°37	n.a.	T 6
F 7	16 31 30	7°30'46	3♌18	23° 6	22°11	29° 7	25°51	13° 6	13° 9	3°45	29°11	27° 2	26°16	9°44	n.a.	F 7
S 8	16 35 26	8°27'54	15°59	25° 1	23° 1	29°43	25°47	13°13	13°10	3°44	29°10	26°57	26°13	9°50	n.a.	S 8
S 9	16 39 23	9°25'03	28°19	26°58	23°51	0♌20	25°43	13°19	13°11	3°44	29° 9	26°55	26°10	9°57	n.a.	S 9
M10	16 43 19	10°22'11	10♍23	28°57	24°39	0°56	25°39	13°26	13°12	3°44	29° 8	26°D55	26° 7	10° 4	n.a.	M10
T 11	16 47 16	11°19'19	22°17	0♊59	25°27	1°32	25°36	13°33	13°12	3°43	29° 8	26°R55	26° 3	10°10	n.a.	T 11
W12	16 51 12	12°16'28	4♎ 5	3° 2	26°14	2° 9	25°33	13°40	13°13	3°43	29° 7	26°55	26° 0	10°17	n.a.	W12
T 13	16 55 9	13°13'37	15°54	5° 7	27° 1	2°45	25°29	13°47	13°14	3°42	29° 6	26°53	25°57	10°24	n.a.	T 13
F 14	16 59 6	14°10'46	27°47	7°13	27°46	3°22	25°26	13°53	13°14	3°42	29° 5	26°50	25°54	10°30	n.a.	F 14
S 15	17 3 2	15° 7'56	9♏50	9°19	28°31	3°59	25°24	14° 0	13°15	3°42	29° 4	26°44	25°51	10°37	n.a.	S 15
S 16	17 6 59	16° 5'07	22° 4	11°27	29°14	4°35	25°21	14° 7	13°15	3°42	29° 4	26°35	25°47	10°44	n.a.	S 16
M17	17 10 55	17° 2'17	4♐33	13°35	29°57	5°12	25°19	14°14	13°16	3°41	29° 3	26°24	25°44	10°50	n.a.	M17
T 18	17 14 52	17°59'29	17°16	15°42	0♌39	5°49	25°16	14°22	13°16	3°41	29° 2	26°12	25°41	10°57	n.a.	T 18
W19	17 18 48	18°56'41	0♑14	17°50	1°19	6°26	25°14	14°29	13°17	3°41	29° 1	25°59	25°38	11° 4	n.a.	W19
T 20	17 22 45	19°53'55	13°26	19°57	1°59	7° 3	25°13	14°36	13°17	3°41	29° 0	25°48	25°35	11°10	n.a.	T 20
F 21	17 26 42	20°51'09	26°49	22° 3	2°38	7°40	25°11	14°43	13°17	3°41	28°59	25°38	25°32	11°17	n.a.	F 21
S 22	17 30 38	21°48'24	10♒23	24° 8	3°15	8°17	25° 9	14°50	13°17	3°41	28°58	25°31	25°28	11°24	n.a.	S 22
S 23	17 34 35	22°45'40	24° 7	26°13	3°51	8°54	25° 8	14°57	13°18	3°D41	28°57	25°26	25°25	11°30	n.a.	S 23
M24	17 38 31	23°42'57	7♓58	28°16	4°26	9°32	25° 7	15° 4	13°18	3°41	28°56	25°24	25°22	11°37	n.a.	M24
T 25	17 42 28	24°40'15	21°57	0♋18	5° 0	10° 9	25° 6	15°12	13°18	3°41	28°55	25°24	25°19	11°43	n.a.	T 25
W26	17 46 24	25°37'34	6♈ 4	2°18	5°32	10°46	25° 5	15°19	13°R18	3°41	28°54	25°24	25°16	11°50	n.a.	W26
T 27	17 50 21	26°34'55	20°17	4°17	6° 3	11°24	25° 4	15°26	13°18	3°41	28°53	25°23	25°13	11°57	n.a.	T 27
F 28	17 54 17	27°32'17	4♉35	6°15	6°33	12° 1	25° 4	15°34	13°18	3°41	28°52	25°20	25° 9	12° 3	n.a.	F 28
S 29	17 58 14	28°29'41	18°55	8°11	7° 1	12°39	25° 4	15°41	13°18	3°41	28°51	25°14	25° 6	12°10	n.a.	S 29
S 30	18 2 11	29♊27'06	3♊13	10♋ 6	7♌28	13♌16	25°D 4	15♋48	13♓18	3♎42	28♑50	25♓ 5	25♓ 3	12♎17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n49	17n58	3n21	14n14	1s44	24n35	1n54	22n40	1n21	9s14	1n 8	23n51	0n40	7s27	0s46	0n20	2n 2	32s33	12s15	0s51	1s23	4s40		n.a.
S 2	21 0	23 6	4 12	14 54	1 32	24 24	1 50	22 33	1 21	9 13	1 8	23 51	0 40	7 27	0 46	0 20	2 2	32 33	12 15	0 54	1 24	4 43		n.a.
M 3	21 11	26 45	4 47	15 34	1 20	24 12	1 46	22 25	1 20	9 11	1 8	23 50	0 40	7 27	0 46	0 20	2 2	32 34	12 16	0 57	1 25	4 47		n.a.
T 4	21 22	28 36	5 2	16 15	1 8	24 0	1 42	22 17	1 19	9 10	1 7	23 50	0 40	7 26	0 46	0 20	2 2	32 34	12 16	1 2	1 26	4 50		n.a.
W 5	21 33	28 35	4 59	16 56	0 56	23 47	1 37	22 9	1 19	9 8	1 7	23 49	0 40	7 26	0 46	0 21	2 2	32 35	12 16	1 6	1 28	4 54		n.a.
T 6	21 43	26 50	4 39	17 37	0 44	23 35	1 32	22 1	1 18	9 7	1 7	23 48	0 41	7 25	0 46	0 21	2 2	32 35	12 16	1 9	1 29	4 57		n.a.
F 7	21 52	23 39	4 5	18 18	0 32	23 21	1 27	21 53	1 18	9 6	1 7	23 48	0 41	7 25	0 46	0 21	2 2	32 35	12 17	1 12	1 30	5 1		n.a.
S 8	22 2	19 26	3 20	18 58	0 20	23 8	1 22	21 45	1 17	9 4	1 6	23 47	0 41	7 25	0 46	0 21	2 2	32 36	12 17	1 14	1 32	5 4		n.a.
S 9	22 11	14 30	2 26	19 37	0 8	22 54	1 16	21 36	1 16	9 3	1 6	23 47	0 41	7 24	0 46	0 21	2 2	32 36	12 17	1 14	1 33	5 7		n.a.
M10	22 19	9 7	1 27	20 16	0n 3	22 39	1 11	21 28	1 16	9 2	1 6	23 46	0 41	7 24	0 46	0 21	2 2	32 37	12 18	1 15	1 34	5 11		n.a.
T 11	22 27	3 29	0 25	20 53	0 14	22 25	1 5	21 19	1 15	9 1	1 5	23 45	0 41	7 24	0 46	0 21	2 1	32 37	12 18	1 15	1 35	5 14		n.a.
W12	22 35	2s14	0s38	21 28	0 25	22 10	0 59	21 10	1 14	9 0	1 5	23 45	0 41	7 24	0 46	0 21	2 1	32 38	12 18	1 15	1 37	5 18		n.a.
T 13	22 43	7 52	1 39	22 2	0 35	21 55	0 52	21 1	1 14	8 59	1 5	23 44	0 41	7 23	0 46	0 21	2 1	32 38	12 18	1 15	1 38	5 21		n.a.
F 14	22 50	13 15	2 36	22 34	0 45	21 39	0 46	20 52	1 13	8 58	1 5	23 43	0 41	7 23	0 46	0 22	2 1	32 39	12 19	1 17	1 39	5 25		n.a.
S 15	22 56	18 14	3 27	23 3	0 54	21 23	0 39	20 42	1 13	8 58	1 4	23 43	0 41	7 23	0 46	0 22	2 1	32 39	12 19	1 19	1 40	5 28		n.a.
S 16	23 2	22 32	4 8	23 30	1 3	21 7	0 32	20 33	1 12	8 57	1 4	23 42	0 41	7 23	0 46	0 22	2 1	32 39	12 19	1 23	1 42	5 31		n.a.
M17	23 8	25 55	4 39	23 55	1 11	20 51	0 25	20 23	1 11	8 56	1 4	23 41	0 41	7 23	0 46	0 22	2 1	32 40	12 19	1 27	1 43	5 35		n.a.
T 18	23 14	28 5	4 57	24 17	1 18	20 35	0 17	20 13	1 11	8 56	1 4	23 40	0 41	7 23	0 46	0 22	2 1	32 40	12 20	1 32	1 44	5 38		n.a.
W19	23 19	28 46	5 0	24 37	1 24	20 18	0 9	20 3	1 10	8 55	1 3	23 40	0 41	7 22	0 46	0 22	2 1	32 41	12 20	1 37	1 46	5 42		n.a.
T 20	23 23	27 50	4 47	24 53	1 30	20 1	0 1	19 53	1 9	8 55	1 3	23 39	0 41	7 22	0 46	0 22	2 1	32 41	12 20	1 42	1 47	5 45		n.a.
F 21	23 27	25 18	4 18	25 7	1 35	19 44	0s 7	19 43	1 9	8 54	1 3	23 38	0 41	7 22	0 46	0 22	2 1	32 42	12 20	1 46	1 48	5 49		n.a.
S 22	23 31	21 19	3 34	25 18	1 39	19 27	0 15	19 33	1 8	8 54	1 2	23 37	0 41	7 22	0 47	0 22	2 1	32 42	12 21	1 48	1 49	5 52		n.a.
S 23	23 35	16 8	2 37	25 26	1 43	19 10	0 24	19 22	1 8	8 54	1 2	23 37	0 41	7 22	0 47	0 22	2 1	32 43	12 21	1 50	1 51	5 55		n.a.
M24	23 38	10 6	1 31	25 32	1 46	18 53	0 33	19 12	1 7	8 54	1 2	23 36	0 41	7 22	0 47	0 21	2 1	32 43	12 21	1 51	1 52	5 59		n.a.
T 25	23 40	3 31	0 18	25 34	1 48	18 36	0 42	19 1	1 6	8 54	1 2	23 35	0 42	7 22	0 47	0 21	2 1	32 43	12 21	1 51	1 53	6 2		n.a.
W26	23 42	3n18	0n56	25 35	1 49	18 19	0 52	18 50	1 6	8 54	1 1	23 34	0 42	7 22	0 47	0 21	2 1	32 44	12 22	1 51	1 55	6 6		n.a.
T 27	23 44	10 0	2 7	25 32	1 50	18 2	1 2	18 39	1 5	8 54	1 1	23 34	0 42	7 22	0 47	0 21	2 0	32 44	12 22	1 52	1 56	6 9		n.a.
F 28	23 45	16 13	3 11	25 28	1 50	17 45	1 12	18 28	1 4	8 54	1 1	23 33	0 42	7 22	0 47	0 21	2 0	32 45	12 22	1 53	1 57	6 13		n.a.
S 29	23 46	21 35	4 3	25 21	1 50	17 27	1 22	18 16	1 4	8 54	1 0	23 32	0 42	7 22	0 47	0 21	2 0	32 45	12 22	1 55	1 58	6 16		n.a.
S 30	23n47	25n39	4n39	25n12	1n49	17n10	1s33	18n 5	1n 3	8s54	1n 0	23n31	0n42	7s23	0s47	0n21	2n 0	32s46	12s22	1s59	2s 0	6s19		n.a.

Julian Day Number = 1475030.5, Delta T = 05h27m38s
Ecliptic obliquity = 23°46'44, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'24, Lahiri = -13°16'24 Julian Calendar 1 June 675 BCE == Greg. Calendar 25 May 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

JULY 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 6 7	0♋24'32	17♊23	11♋59	7♌53	13♌54	25♎ 4	15♋56	13°R17	3♎42	28°R49	24°R55	25♓ 0	12♎23	n.a.	M 1
T 2	18 10 4	1°21'59	1♋21	13°50	8°16	14°32	25° 4	16° 3	13♓17	3°42	28♑48	24♓43	24°57	12°30	n.a.	T 2
W 3	18 14 0	2°19'28	15° 1	15°40	8°38	15°10	25° 5	16°11	13°17	3°42	28°46	24°31	24°53	12°37	n.a.	W 3
T 4	18 17 57	3°16'57	28°22	17°28	8°58	15°48	25° 5	16°18	13°16	3°43	28°45	24°21	24°50	12°43	n.a.	T 4
F 5	18 21 53	4°14'28	11♌20	19°15	9°16	16°26	25° 6	16°26	13°16	3°43	28°44	24°12	24°47	12°50	n.a.	F 5
S 6	18 25 50	5°12'00	23°57	21° 0	9°32	17° 4	25° 7	16°33	13°16	3°44	28°43	24° 7	24°44	12°57	n.a.	S 6
S 7	18 29 46	6° 9'32	6♍16	22°44	9°46	17°42	25° 8	16°41	13°15	3°44	28°42	24° 3	24°41	13° 3	n.a.	S 7
M 8	18 33 43	7° 7'06	18°20	24°26	9°59	18°20	25°10	16°48	13°15	3°45	28°41	24° 2	24°38	13°10	n.a.	M 8
T 9	18 37 40	8° 4'41	0♎14	26° 6	10° 9	18°58	25°12	16°56	13°14	3°45	28°40	24°D 2	24°34	13°17	n.a.	T 9
W10	18 41 36	9° 2'16	12° 3	27°45	10°17	19°36	25°13	17° 3	13°13	3°46	28°38	24°R 2	24°31	13°23	n.a.	W10
T 11	18 45 33	9°59'53	23°53	29°23	10°23	20°15	25°15	17°11	13°13	3°46	28°37	24° 1	24°28	13°30	n.a.	T 11
F 12	18 49 29	10°57'32	5♏49	0♌59	10°26	20°53	25°17	17°18	13°12	3°47	28°36	23°59	24°25	13°37	n.a.	F 12
S 13	18 53 26	11°55'11	17°55	2°33	10°R28	21°32	25°20	17°26	13°11	3°47	28°35	23°54	24°22	13°43	n.a.	S 13
S 14	18 57 22	12°52'52	0♐16	4° 6	10°27	22°10	25°22	17°33	13°10	3°48	28°34	23°46	24°19	13°50	n.a.	S 14
M15	19 1 19	13°50'34	12°55	5°38	10°24	22°49	25°25	17°41	13° 9	3°49	28°32	23°37	24°15	13°57	n.a.	M15
T 16	19 5 15	14°48'17	25°53	7° 8	10°18	23°27	25°28	17°49	13° 8	3°49	28°31	23°26	24°12	14° 3	n.a.	T 16
W17	19 9 12	15°46'02	9♑10	8°36	10°10	24° 6	25°31	17°56	13° 8	3°50	28°30	23°15	24° 9	14°10	n.a.	W17
T 18	19 13 9	16°43'49	22°44	10° 3	9°59	24°45	25°34	18° 4	13° 7	3°51	28°29	23° 4	24° 6	14°17	n.a.	T 18
F 19	19 17 5	17°41'37	6♒31	11°29	9°47	25°24	25°37	18°11	13° 5	3°52	28°27	22°55	24° 3	14°23	n.a.	F 19
S 20	19 21 2	18°39'26	20°30	12°53	9°31	26° 3	25°41	18°19	13° 4	3°53	28°26	22°49	23°59	14°30	n.a.	S 20
S 21	19 24 58	19°37'18	4♓35	14°15	9°14	26°42	25°45	18°26	13° 3	3°53	28°25	22°46	23°56	14°37	n.a.	S 21
M22	19 28 55	20°35'11	18°44	15°35	8°54	27°21	25°49	18°34	13° 2	3°54	28°24	22°D44	23°53	14°43	n.a.	M22
T 23	19 32 51	21°33'06	2♈55	16°54	8°32	28° 0	25°53	18°42	13° 1	3°55	28°22	22°45	23°50	14°50	n.a.	T 23
W24	19 36 48	22°31'03	17° 4	18°12	8° 8	28°39	25°57	18°49	13° 0	3°56	28°21	22°R45	23°47	14°56	n.a.	W24
T 25	19 40 44	23°29'02	1♉12	19°27	7°42	29°18	26° 1	18°57	12°58	3°57	28°20	22°45	23°44	15° 3	n.a.	T 25
F 26	19 44 41	24°27'04	15°16	20°41	7°14	29°57	26° 6	19° 4	12°57	3°58	28°18	22°43	23°40	15°10	n.a.	F 26
S 27	19 48 38	25°25'07	29°16	21°52	6°45	0♍37	26°11	19°12	12°56	3°59	28°17	22°39	23°37	15°16	n.a.	S 27
S 28	19 52 34	26°23'13	13♊ 9	23° 2	6°14	1°16	26°15	19°19	12°54	4° 0	28°16	22°33	23°34	15°23	n.a.	S 28
M29	19 56 31	27°21'20	26°54	24° 9	5°41	1°56	26°20	19°27	12°53	4° 2	28°15	22°25	23°31	15°30	n.a.	M29
T 30	20 0 27	28°19'30	10♋26	25°15	5° 7	2°35	26°26	19°35	12°51	4° 3	28°13	22°15	23°28	15°36	n.a.	T 30
W31	20 4 24	29♋17'41	23♋44	26♌18	4♌32	3♍15	26♎31	19♋42	12♓50	4♎ 4	28♑12	22♓ 6	23♓25	15♎43	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	23n47	28n 7	4n58	25n 0	1n47	16n54	1s43	17n53	1n 3	8s54	1n 0	23n30	0n42	7s23	0s47	0n21	2n 0	32s46	12s23	2s 3		2s 1		6s23			n.a.
T 2	23 46	28 45	4 59	24 47	1 45	16 37	1 55	17 41	1 2	8 55	1 0	23 30	0 42	7 23	0 47	0 20	2 0	32 46	12 23	2 8		2 2		6 26			n.a.
W 3	23 45	27 35	4 42	24 32	1 42	16 20	2 6	17 29	1 1	8 55	0 59	23 29	0 42	7 23	0 47	0 20	2 0	32 47	12 23	2 12		2 3		6 30			n.a.
T 4	23 44	24 51	4 10	24 15	1 39	16 4	2 17	17 17	1 1	8 56	0 59	23 28	0 42	7 23	0 47	0 20	2 0	32 47	12 23	2 17		2 5		6 33			n.a.
F 5	23 43	20 55	3 26	23 57	1 36	15 48	2 29	17 5	1 0	8 56	0 59	23 27	0 42	7 23	0 47	0 20	2 0	32 48	12 23	2 20		2 6		6 36			n.a.
S 6	23 40	16 7	2 32	23 37	1 32	15 32	2 41	16 53	0 59	8 57	0 58	23 26	0 42	7 23	0 47	0 20	2 0	32 48	12 24	2 22		2 7		6 40			n.a.
S 7	23 38	10 46	1 33	23 16	1 27	15 16	2 54	16 41	0 59	8 58	0 58	23 25	0 42	7 24	0 47	0 19	2 0	32 49	12 24	2 24		2 9		6 43			n.a.
M 8	23 35	5 8	0 30	22 53	1 22	15 1	3 6	16 28	0 58	8 59	0 58	23 24	0 42	7 24	0 47	0 19	2 0	32 49	12 24	2 24		2 10		6 47			n.a.
T 9	23 32	0s36	0s33	22 29	1 17	14 46	3 19	16 15	0 57	8 59	0 58	23 23	0 42	7 24	0 47	0 19	2 0	32 49	12 24	2 24		2 11		6 50			n.a.
W10	23 28	6 16	1 34	22 4	1 11	14 31	3 32	16 3	0 57	9 0	0 57	23 23	0 43	7 24	0 47	0 19	2 0	32 50	12 24	2 24		2 12		6 53			n.a.
T 11	23 24	11 44	2 32	21 38	1 5	14 17	3 45	15 50	0 56	9 1	0 57	23 22	0 43	7 25	0 47	0 18	2 0	32 50	12 24	2 24		2 14		6 57			n.a.
F 12	23 19	16 49	3 23	21 11	0 59	14 3	3 58	15 37	0 56	9 2	0 57	23 21	0 43	7 25	0 47	0 18	1 59	32 51	12 24	2 25		2 15		7 0			n.a.
S 13	23 14	21 20	4 5	20 43	0 52	13 50	4 11	15 24	0 55	9 3	0 57	23 20	0 43	7 25	0 47	0 18	1 59	32 51	12 25	2 27		2 16		7 4			n.a.
S 14	23 9	25 1	4 38	20 14	0 45	13 38	4 25	15 10	0 54	9 5	0 56	23 19	0 43	7 26	0 47	0 17	1 59	32 52	12 25	2 30		2 17		7 7			n.a.
M15	23 3	27 35	4 57	19 45	0 38	13 25	4 38	14 57	0 54	9 6	0 56	23 18	0 43	7 26	0 47	0 17	1 59	32 52	12 25	2 34		2 19		7 10			n.a.
T 16	22 57	28 45	5 2	19 15	0 31	13 14	4 52	14 43	0 53	9 7	0 56	23 17	0 43	7 27	0 47	0 17	1 59	32 52	12 25	2 39		2 20		7 14			n.a.
W17	22 50	28 18	4 51	18 44	0 23	13 3	5 5	14 30	0 52	9 9	0 55	23 16	0 43	7 27	0 47	0 16	1 59	32 53	12 25	2 43		2 21		7 17			n.a.
T 18	22 43	26 10	4 23	18 13	0 15	12 53	5 19	14 16	0 52	9 10	0 55	23 15	0 43	7 27	0 47	0 16	1 59	32 53	12 25	2 47		2 23		7 21			n.a.
F 19	22 35	22 27	3 40	17 42	0 7	12 43	5 32	14 2	0 51	9 12	0 55	23 14	0 43	7 28	0 47	0 16	1 59	32 53	12 25	2 51		2 24		7 24			n.a.
S 20	22 28	17 26	2 43	17 10	0s 1	12 34	5 45	13 48	0 51	9 13	0 55	23 13	0 43	7 28	0 47	0 15	1 59	32 54	12 25	2 53		2 25		7 27			n.a.
S 21	22 19	11 26	1 35	16 38	0 10	12 26	5 58	13 34	0 50	9 15	0 54	23 12	0 43	7 29	0 48	0 15	1 59	32 54	12 26	2 55		2 26		7 31			n.a.
M22	22 11	4 51	0 21	16 5	0 19	12 19	6 11	13 20	0 49	9 16	0 54	23 11	0 43	7 29	0 48	0 14	1 59	32 55	12 26	2 55		2 28		7 34			n.a.
T 23	22 2	2n 0	0n54	15 33	0 28	12 13	6 24	13 6	0 49	9 18	0 54	23 10	0 44	7 30	0 48	0 14	1 59	32 55	12 26	2 55		2 29		7 37			n.a.
W24	21 52	8 44	2 6	15 1	0 37	12 7	6 36	12 51	0 48	9 20	0 54	23 9	0 44	7 30	0 48	0 14	1 59	32 55	12 26	2 55		2 30		7 41			n.a.
T 25	21 42	15 1	3 11	14 28	0 46	12 2	6 48	12 37	0 47	9 22	0 53	23 8	0 44	7 31	0 48	0 13	1 59	32 56	12 26	2 55		2 32		7 44			n.a.
F 26	21 32	20 31	4 3	13 56	0 55	11 58	6 59	12 22	0 47	9 24	0 53	23 7	0 44	7 31	0 48	0 13	1 59	32 56	12 26	2 56		2 33		7 48			n.a.
S 27	21 21	24 50	4 41	13 24	1 4	11 55	7 10	12 8	0 46	9 26	0 53	23 6	0 44	7 32	0 48	0 12	1 59	32 56	12 26	2 57		2 34		7 51			n.a.
S 28	21 10	27 41	5 1	12 52	1 14	11 52	7 20	11 53	0 45	9 28	0 53	23 5	0 44	7 32	0 48	0 12	1 59	32 57	12 26	3 0		2 35		7 54			n.a.
M29	20 59	28 49	5 4	12 21	1 23	11 50	7 30	11 38	0 45	9 30	0 52	23 4	0 44	7 33	0 48	0 11	1 58	32 57	12 26	3 3		2 37		7 58			n.a.
T 30	20 47	28 11	4 50	11 50	1 33	11 50	7 39	11 23	0 44	9 32	0 52	23 3	0 44	7 34	0 48	0 11	1 58	32 57	12 26	3 7		2 38		8 1			n.a.
W31	20n35	25n56	4n21	11n19	1s43	11n50	7s48	11n 8	0n44	9s34	0n52	23n 2	0n44	7s34	0s48	0n10	1n58	32s58	12s26	3s11		2s39		8s 4			n.a.

Julian Day Number = 1475060.5, Delta T = 05h27m36s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'20, Lahiri = -13°16'20 Julian Calendar 1 July 675 BCE == Greg. Calendar 24 June 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

AUGUST 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 8 20	0♌15'55	6♌47	27♌19	3°R56	3♍54	26♎37	19♋50	12°R48	4♎ 5	28°R11	21°R58	23♓21	15♎50	n.a.	T 1
F 2	20 12 17	1°14'10	19°32	28°17	3♌20	4°34	26°42	19°57	12♓46	4° 6	28♏ 9	21♓52	23°18	15°56	n.a.	F 2
S 3	20 16 14	2°12'27	2♍ 0	29°12	2°43	5°14	26°48	20° 5	12°45	4° 8	28° 8	21°48	23°15	16° 3	n.a.	S 3
S 4	20 20 10	3°10'45	14°14	0♍ 4	2° 7	5°54	26°54	20°12	12°43	4° 9	28° 7	21°45	23°12	16°10	n.a.	S 4
M 5	20 24 7	4° 9'06	26°15	0°53	1°30	6°34	27° 0	20°20	12°41	4°10	28° 6	21°D45	23° 9	16°16	n.a.	M 5
T 6	20 28 3	5° 7'28	8♎ 8	1°39	0°54	7°14	27° 7	20°27	12°40	4°12	28° 4	21°46	23° 5	16°23	n.a.	T 6
W 7	20 32 0	6° 5'52	19°56	2°22	0°18	7°54	27°13	20°34	12°38	4°13	28° 3	21°48	23° 2	16°30	n.a.	W 7
T 8	20 35 56	7° 4'17	1♏46	3° 0	29♋43	8°34	27°20	20°42	12°36	4°14	28° 2	21°R49	22°59	16°36	n.a.	T 8
F 9	20 39 53	8° 2'45	13°42	3°35	29° 9	9°14	27°26	20°49	12°34	4°16	28° 1	21°49	22°56	16°43	n.a.	F 9
S 10	20 43 49	9° 1'14	25°49	4° 5	28°36	9°54	27°33	20°57	12°32	4°17	27°59	21°47	22°53	16°50	n.a.	S 10
S 11	20 47 46	9°59'45	8♐12	4°30	28° 5	10°35	27°40	21° 4	12°30	4°19	27°58	21°44	22°50	16°56	n.a.	S 11
M12	20 51 42	10°58'18	20°54	4°50	27°35	11°15	27°47	21°11	12°28	4°20	27°57	21°39	22°46	17° 3	n.a.	M12
T 13	20 55 39	11°56'53	3♑59	5° 5	27° 7	11°55	27°55	21°18	12°26	4°22	27°56	21°33	22°43	17°10	n.a.	T 13
W14	20 59 36	12°55'29	17°28	5°14	26°41	12°36	28° 2	21°26	12°24	4°23	27°54	21°26	22°40	17°16	n.a.	W14
T 15	21 3 32	13°54'08	1♒18	5°R17	26°17	13°16	28°10	21°33	12°22	4°25	27°53	21°20	22°37	17°23	n.a.	T 15
F 16	21 7 29	14°52'48	15°27	5°13	25°55	13°57	28°18	21°40	12°20	4°26	27°52	21°15	22°34	17°30	n.a.	F 16
S 17	21 11 25	15°51'31	29°50	5° 3	25°36	14°38	28°25	21°47	12°18	4°28	27°51	21°12	22°31	17°36	n.a.	S 17
S 18	21 15 22	16°50'15	14♓22	4°45	25°18	15°18	28°33	21°54	12°16	4°30	27°49	21°D10	22°27	17°43	n.a.	S 18
M19	21 19 18	17°49'02	28°56	4°21	25° 3	15°59	28°41	22° 1	12°14	4°31	27°48	21°10	22°24	17°50	n.a.	M19
T 20	21 23 15	18°47'51	13♈28	3°49	24°51	16°40	28°50	22° 9	12°12	4°33	27°47	21°12	22°21	17°56	n.a.	T 20
W21	21 27 11	19°46'43	27°52	3°11	24°41	17°21	28°58	22°16	12° 9	4°35	27°46	21°13	22°18	18° 3	n.a.	W21
T 22	21 31 8	20°45'37	12♉ 6	2°25	24°33	18° 2	29° 7	22°23	12° 7	4°36	27°45	21°14	22°15	18°10	n.a.	T 22
F 23	21 35 5	21°44'33	26° 8	1°33	24°28	18°43	29°15	22°30	12° 5	4°38	27°44	21°R14	22°11	18°16	n.a.	F 23
S 24	21 39 1	22°43'33	9♊57	0°35	24°25	19°24	29°24	22°37	12° 3	4°40	27°42	21°13	22° 8	18°23	n.a.	S 24
S 25	21 42 58	23°42'34	23°33	29♌33	24°D25	20° 5	29°33	22°43	12° 1	4°42	27°41	21°11	22° 5	18°30	n.a.	S 25
M26	21 46 54	24°41'38	6♋55	28°27	24°27	20°46	29°42	22°50	11°58	4°43	27°40	21° 7	22° 2	18°36	n.a.	M26
T 27	21 50 51	25°40'45	20° 3	27°20	24°31	21°28	29°51	22°57	11°56	4°45	27°39	21° 3	21°59	18°43	n.a.	T 27
W28	21 54 47	26°39'53	2♌58	26°11	24°38	22° 9	0♏ 0	23° 4	11°54	4°47	27°38	20°59	21°56	18°50	n.a.	W28
T 29	21 58 44	27°39'04	15°39	25° 5	24°46	22°50	0° 9	23°11	11°51	4°49	27°37	20°56	21°52	18°56	n.a.	T 29
F 30	22 2 40	28°38'17	28° 7	24° 1	24°57	23°32	0°19	23°17	11°49	4°51	27°36	20°53	21°49	19° 3	n.a.	F 30
S 31	22 6 37	29♌37'32	10♍23	23♌ 3	25♋10	24♍13	0♏28	23♋24	11♓47	4♎53	27♏35	20♓52	21♓46	19♎10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20n23	22n21	3n38	10n49	1s52	11n51	7s55	10n53	0n43	9s36	0n51	23n 1	0n44	7s35	0s48	0n10	1n58	32s58	12s26	3s14	2s40	8s 8			n.a.
F 2	20 10	17 46	2 45	10 20	2 2	11 52	8 2	10 37	0 42	9 39	0 51	23 0	0 44	7 36	0 48	0 9	1 58	32 58	12 26	3 16	2 42	8 11			n.a.
S 3	19 57	12 32	1 45	9 52	2 11	11 55	8 8	10 22	0 42	9 41	0 51	22 59	0 45	7 36	0 48	0 8	1 58	32 59	12 26	3 18	2 43	8 14			n.a.
S 4	19 43	6 55	0 41	9 25	2 21	11 58	8 13	10 7	0 41	9 43	0 51	22 58	0 45	7 37	0 48	0 8	1 58	32 59	12 26	3 19	2 44	8 18			n.a.
M 5	19 30	1 8	0s24	8 58	2 30	12 2	8 17	9 51	0 40	9 46	0 50	22 57	0 45	7 38	0 48	0 7	1 58	32 59	12 26	3 19	2 46	8 21			n.a.
T 6	19 15	4s36	1 27	8 33	2 39	12 6	8 20	9 35	0 40	9 48	0 50	22 56	0 45	7 38	0 48	0 7	1 58	33 0	12 26	3 19	2 47	8 24			n.a.
W 7	19 1	10 10	2 27	8 10	2 48	12 11	8 23	9 20	0 39	9 51	0 50	22 55	0 45	7 39	0 48	0 6	1 58	33 0	12 26	3 18	2 48	8 28			n.a.
T 8	18 46	15 22	3 20	7 48	2 57	12 17	8 24	9 4	0 38	9 54	0 50	22 54	0 45	7 40	0 48	0 5	1 58	33 0	12 26	3 18	2 49	8 31			n.a.
F 9	18 31	20 3	4 4	7 27	3 6	12 23	8 25	8 48	0 38	9 56	0 50	22 53	0 45	7 41	0 48	0 5	1 58	33 0	12 26	3 18	2 51	8 35			n.a.
S 10	18 15	24 0	4 39	7 9	3 14	12 30	8 24	8 32	0 37	9 59	0 49	22 52	0 45	7 41	0 48	0 4	1 58	33 1	12 26	3 18	2 52	8 38			n.a.
S 11	18 0	26 57	5 2	6 52	3 22	12 37	8 23	8 16	0 36	10 2	0 49	22 51	0 45	7 42	0 48	0 4	1 58	33 1	12 26	3 20	2 53	8 41			n.a.
M12	17 43	28 37	5 10	6 38	3 29	12 45	8 21	8 0	0 36	10 5	0 49	22 50	0 45	7 43	0 48	0 3	1 58	33 1	12 26	3 22	2 54	8 45			n.a.
T 13	17 27	28 46	5 3	6 26	3 36	12 53	8 18	7 44	0 35	10 8	0 49	22 49	0 46	7 44	0 48	0 2	1 58	33 1	12 26	3 24	2 56	8 48			n.a.
W14	17 10	27 14	4 39	6 17	3 42	13 1	8 15	7 27	0 34	10 10	0 48	22 48	0 46	7 44	0 48	0 2	1 58	33 2	12 26	3 26	2 57	8 51			n.a.
T 15	16 53	24 1	3 58	6 11	3 47	13 10	8 10	7 11	0 34	10 13	0 48	22 47	0 46	7 45	0 48	0 1	1 58	33 2	12 26	3 29	2 58	8 55			n.a.
F 16	16 36	19 20	3 2	6 9	3 52	13 19	8 5	6 55	0 33	10 16	0 48	22 46	0 46	7 46	0 48	0 0	1 57	33 2	12 26	3 31	3 0	8 58			n.a.
S 17	16 19	13 28	1 54	6 9	3 55	13 28	8 0	6 38	0 33	10 19	0 48	22 45	0 46	7 47	0 48	0s 0	1 57	33 2	12 26	3 32	3 1	9 1			n.a.
S 18	16 1	6 48	0 37	6 14	3 57	13 37	7 54	6 22	0 32	10 23	0 47	22 44	0 46	7 48	0 48	0 1	1 57	33 2	12 26	3 33	3 2	9 5			n.a.
M19	15 43	0n13	0n42	6 22	3 58	13 46	7 47	6 5	0 31	10 26	0 47	22 43	0 46	7 49	0 48	0 2	1 57	33 3	12 26	3 33	3 3	9 8			n.a.
T 20	15 24	7 13	1 59	6 34	3 57	13 55	7 40	5 48	0 31	10 29	0 47	22 42	0 46	7 49	0 48	0 3	1 57	33 3	12 26	3 32	3 5	9 11			n.a.
W21	15 6	13 46	3 7	6 50	3 55	14 5	7 32	5 32	0 30	10 32	0 47	22 41	0 46	7 50	0 48	0 3	1 57	33 3	12 26	3 32	3 6	9 15			n.a.
T 22	14 47	19 32	4 3	7 10	3 51	14 14	7 24	5 15	0 29	10 35	0 47	22 39	0 47	7 51	0 48	0 4	1 57	33 3	12 26	3 31	3 7	9 18			n.a.
F 23	14 27	24 9	4 44	7 34	3 45	14 23	7 16	4 58	0 29	10 39	0 46	22 38	0 47	7 52	0 48	0 5	1 57	33 3	12 26	3 31	3 8	9 21			n.a.
S 24	14 8	27 19	5 7	8 2	3 37	14 32	7 7	4 41	0 28	10 42	0 46	22 37	0 47	7 53	0 48	0 5	1 57	33 4	12 25	3 32	3 10	9 24			n.a.
S 25	13 48	28 50	5 13	8 34	3 27	14 41	6 58	4 24	0 27	10 45	0 46	22 36	0 47	7 54	0 48	0 6	1 57	33 4	12 25	3 33	3 11	9 28			n.a.
M26	13 29	28 37	5 2	9 8	3 15	14 50	6 49	4 7	0 27	10 49	0 46	22 35	0 47	7 55	0 48	0 7	1 57	33 4	12 25	3 34	3 12	9 31			n.a.
T 27	13 8	26 47	4 35	9 44	3 1	14 58	6 39	3 50	0 26	10 52	0 45	22 34	0 47	7 56	0 48	0 8	1 57	33 4	12 25	3 36	3 14	9 34			n.a.
W28	12 48	23 33	3 54	10 22	2 46	15 7	6 30	3 33	0 25	10 56	0 45	22 33	0 47	7 57	0 48	0 9	1 57	33 4	12 25	3 37	3 15	9 38			n.a.
T 29	12 28	19 16	3 2	11 1	2 29	15 15	6 20	3 16	0 25	10 59	0 45	22 32	0 47	7 57	0 48	0 9	1 57	33 4	12 25	3 39	3 16	9 41			n.a.
F 30	12 7	14 12	2 2	11 40	2 10	15 23	6 10	2 58	0 24	11 3	0 45	22 31	0 48	7 58	0 48	0 10	1 57	33 4	12 25	3 40	3 17	9 44			n.a.
S 31	11n46	8n40	0n57	12n17	1s51	15n30	6s 0	2n41	0n23	11s 6	0n45	22n30	0n48	7s59	0s48	0s11	1n57	33s 5	12s25	3s40	3s19	9s48			n.a.

Julian Day Number = 1475091.5, Delta T = 05h27m35s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'16, Lahiri = -13°16'16 Julian Calendar 1 Aug. 675 BCE == Greg. Calendar 25 July 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

SEPTEMBER 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 10 33	0♍36'50	22♍28	22°R11	25♋26	24♍55	0♏38	23♋30	11°R44	4♎55	27°R34	20°D51	21♓43	19♎16	n.a.	S 1
M 2	22 14 30	1°36'09	4♎25	21♌27	25°43	25°37	0°48	23°37	11♓42	4°57	27♉33	20♓52	21°40	19°23	n.a.	M 2
T 3	22 18 27	2°35'30	16°15	20°53	26° 2	26°18	0°58	23°43	11°39	4°59	27°32	20°53	21°37	19°30	n.a.	T 3
W 4	22 22 23	3°34'54	28° 3	20°28	26°23	27° 0	1° 8	23°50	11°37	5° 1	27°31	20°55	21°33	19°36	n.a.	W 4
T 5	22 26 20	4°34'19	9♏52	20°14	26°45	27°42	1°18	23°56	11°35	5° 3	27°30	20°56	21°30	19°43	n.a.	T 5
F 6	22 30 16	5°33'47	21°46	20°D11	27°10	28°24	1°28	24° 3	11°32	5° 5	27°29	20°57	21°27	19°49	n.a.	F 6
S 7	22 34 13	6°33'16	3♐51	20°19	27°36	29° 6	1°38	24° 9	11°30	5° 7	27°28	20°R58	21°24	19°56	n.a.	S 7
S 8	22 38 9	7°32'47	16°11	20°37	28° 4	29°48	1°49	24°15	11°27	5° 9	27°27	20°58	21°21	20° 3	n.a.	S 8
M 9	22 42 6	8°32'20	28°51	21° 5	28°34	0♎30	1°59	24°21	11°25	5°11	27°26	20°57	21°17	20° 9	n.a.	M 9
T 10	22 46 2	9°31'55	11♑54	21°43	29° 5	1°12	2°10	24°27	11°22	5°13	27°25	20°56	21°14	20°16	n.a.	T 10
W11	22 49 59	10°31'32	25°22	22°29	29°37	1°54	2°21	24°33	11°20	5°15	27°24	20°54	21°11	20°23	n.a.	W11
T 12	22 53 56	11°31'11	9♒17	23°23	0♌11	2°36	2°31	24°39	11°17	5°17	27°23	20°53	21° 8	20°29	n.a.	T 12
F 13	22 57 52	12°30'52	23°36	24°25	0°46	3°19	2°42	24°45	11°15	5°19	27°22	20°52	21° 5	20°36	n.a.	F 13
S 14	23 1 49	13°30'35	8♓15	25°33	1°23	4° 1	2°53	24°51	11°13	5°21	27°22	20°52	21° 2	20°43	n.a.	S 14
S 15	23 5 45	14°30'19	23° 9	26°46	2° 1	4°44	3° 4	24°57	11°10	5°23	27°21	20°D51	20°58	20°49	n.a.	S 15
M16	23 9 42	15°30'06	8♈ 8	28° 5	2°40	5°26	3°15	25° 3	11° 8	5°25	27°20	20°52	20°55	20°56	n.a.	M16
T 17	23 13 38	16°29'55	23° 5	29°27	3°20	6° 9	3°27	25° 8	11° 5	5°28	27°19	20°52	20°52	21° 3	n.a.	T 17
W18	23 17 35	17°29'47	7♉52	0♍53	4° 2	6°51	3°38	25°14	11° 3	5°30	27°18	20°52	20°49	21° 9	n.a.	W18
T 19	23 21 31	18°29'41	22°23	2°22	4°45	7°34	3°49	25°20	11° 0	5°32	27°18	20°53	20°46	21°16	n.a.	T 19
F 20	23 25 28	19°29'37	6♊35	3°54	5°28	8°17	4° 1	25°25	10°58	5°34	27°17	20°53	20°42	21°23	n.a.	F 20
S 21	23 29 24	20°29'36	20°25	5°28	6°13	8°59	4°12	25°31	10°56	5°36	27°16	20°53	20°39	21°29	n.a.	S 21
S 22	23 33 21	21°29'37	3♋54	7° 3	6°59	9°42	4°24	25°36	10°53	5°38	27°16	20°53	20°36	21°36	n.a.	S 22
M23	23 37 18	22°29'40	17° 3	8°39	7°45	10°25	4°36	25°41	10°51	5°41	27°15	20°53	20°33	21°43	n.a.	M23
T 24	23 41 14	23°29'46	29°55	10°17	8°33	11° 8	4°47	25°46	10°48	5°43	27°14	20°53	20°30	21°49	n.a.	T 24
W25	23 45 11	24°29'53	12♌30	11°55	9°22	11°51	4°59	25°51	10°46	5°45	27°14	20°53	20°27	21°56	n.a.	W25
T 26	23 49 7	25°30'03	24°53	13°34	10°11	12°34	5°11	25°56	10°44	5°47	27°13	20°54	20°23	22° 3	n.a.	T 26
F 27	23 53 4	26°30'15	7♍ 5	15°13	11° 1	13°18	5°23	26° 1	10°41	5°49	27°13	20°54	20°20	22° 9	n.a.	F 27
S 28	23 57 0	27°30'29	19° 8	16°52	11°52	14° 1	5°35	26° 6	10°39	5°52	27°12	20°R54	20°17	22°16	n.a.	S 28
S 29	0 0 57	28°30'45	1♎ 4	18°32	12°44	14°44	5°47	26°11	10°37	5°54	27°12	20°54	20°14	22°23	n.a.	S 29
M30	0 4 53	29♍31'03	12♎56	20♍11	13♌36	15♎27	6♏ 0	26♋16	10♓35	5♎56	27♉11	20♓54	20♓11	22♎29	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n25	2n54	0s 9	12n53	1s31	15n37	5s50	2n24	0n23	11s10	0n44	22n29	0n48	8s 0	0s48	0s12	1n57	33s 5	12s25	3s40	3s20	9s51		n.a.
M 2	11 3	2s55	1 14	13 26	1 11	15 44	5 40	2 6	0 22	11 13	0 44	22 28	0 48	8 1	0 48	0 13	1 57	33 5	12 24	3 40	3 21	9 54		n.a.
T 3	10 42	8 34	2 16	13 56	0 51	15 51	5 30	1 49	0 21	11 17	0 44	22 27	0 48	8 2	0 48	0 13	1 57	33 5	12 24	3 40	3 22	9 57		n.a.
W 4	10 20	13 54	3 11	14 23	0 31	15 57	5 19	1 32	0 21	11 21	0 44	22 26	0 48	8 3	0 48	0 14	1 57	33 5	12 24	3 39	3 24	10 1		n.a.
T 5	9 58	18 45	3 59	14 45	0 12	16 3	5 9	1 14	0 20	11 25	0 44	22 25	0 48	8 4	0 48	0 15	1 57	33 5	12 24	3 38	3 25	10 4		n.a.
F 6	9 36	22 55	4 37	15 3	0n 6	16 8	4 59	0 57	0 19	11 28	0 43	22 24	0 49	8 5	0 48	0 16	1 57	33 5	12 24	3 38	3 26	10 7		n.a.
S 7	9 14	26 10	5 3	15 16	0 22	16 13	4 49	0 39	0 19	11 32	0 43	22 23	0 49	8 6	0 48	0 17	1 57	33 5	12 24	3 38	3 27	10 11		n.a.
S 8	8 52	28 17	5 16	15 25	0 38	16 17	4 39	0 21	0 18	11 36	0 43	22 22	0 49	8 7	0 48	0 18	1 57	33 5	12 24	3 38	3 29	10 14		n.a.
M 9	8 29	29 0	5 14	15 29	0 52	16 21	4 29	0 4	0 17	11 40	0 43	22 21	0 49	8 8	0 48	0 18	1 57	33 5	12 23	3 38	3 30	10 17		n.a.
T 10	8 6	28 9	4 56	15 29	1 5	16 25	4 19	0s14	0 17	11 44	0 43	22 20	0 49	8 9	0 48	0 19	1 57	33 5	12 23	3 39	3 31	10 20		n.a.
W11	7 44	25 39	4 22	15 25	1 16	16 28	4 9	0 31	0 16	11 48	0 43	22 19	0 49	8 10	0 48	0 20	1 57	33 5	12 23	3 39	3 33	10 24		n.a.
T 12	7 21	21 34	3 31	15 16	1 26	16 31	3 59	0 49	0 15	11 51	0 42	22 18	0 49	8 11	0 48	0 21	1 57	33 5	12 23	3 40	3 34	10 27		n.a.
F 13	6 58	16 8	2 26	15 3	1 35	16 33	3 49	1 7	0 15	11 55	0 42	22 17	0 50	8 11	0 48	0 22	1 57	33 5	12 23	3 40	3 35	10 30		n.a.
S 14	6 34	9 40	1 9	14 47	1 42	16 34	3 39	1 24	0 14	11 59	0 42	22 16	0 50	8 12	0 48	0 23	1 56	33 5	12 23	3 40	3 36	10 34		n.a.
S 15	6 11	2 34	0n13	14 27	1 48	16 35	3 30	1 42	0 13	12 3	0 42	22 16	0 50	8 13	0 48	0 24	1 56	33 5	12 22	3 40	3 38	10 37		n.a.
M16	5 48	4n43	1 35	14 4	1 53	16 36	3 20	2 0	0 13	12 7	0 42	22 15	0 50	8 14	0 48	0 24	1 56	33 5	12 22	3 40	3 39	10 40		n.a.
T 17	5 24	11 43	2 50	13 38	1 56	16 36	3 11	2 17	0 12	12 11	0 41	22 14	0 50	8 15	0 48	0 25	1 56	33 5	12 22	3 40	3 40	10 43		n.a.
W18	5 0	17 59	3 53	13 10	1 59	16 35	3 1	2 35	0 11	12 15	0 41	22 13	0 50	8 16	0 48	0 26	1 56	33 5	12 22	3 40	3 41	10 47		n.a.
T 19	4 37	23 7	4 39	12 39	2 1	16 34	2 52	2 53	0 11	12 20	0 41	22 12	0 50	8 17	0 48	0 27	1 56	33 5	12 22	3 40	3 43	10 50		n.a.
F 20	4 13	26 46	5 8	12 6	2 1	16 32	2 43	3 10	0 10	12 24	0 41	22 11	0 51	8 18	0 48	0 28	1 56	33 5	12 21	3 40	3 44	10 53		n.a.
S 21	3 49	28 42	5 18	11 31	2 2	16 30	2 34	3 28	0 9	12 28	0 41	22 10	0 51	8 19	0 48	0 29	1 56	33 5	12 21	3 40	3 45	10 56		n.a.
S 22	3 25	28 53	5 10	10 55	2 1	16 27	2 25	3 46	0 9	12 32	0 41	22 9	0 51	8 20	0 48	0 30	1 56	33 5	12 21	3 40	3 47	11 0		n.a.
M23	3 1	27 23	4 45	10 17	1 59	16 23	2 17	4 3	0 8	12 36	0 40	22 9	0 51	8 21	0 48	0 31	1 56	33 5	12 21	3 40	3 48	11 3		n.a.
T 24	2 37	24 29	4 7	9 38	1 57	16 19	2 8	4 21	0 8	12 40	0 40	22 8	0 51	8 22	0 48	0 32	1 56	33 5	12 21	3 40	3 49	11 6		n.a.
W25	2 13	20 27	3 18	8 57	1 55	16 15	1 59	4 39	0 7	12 44	0 40	22 7	0 51	8 22	0 48	0 32	1 56	33 5	12 20	3 40	3 50	11 9		n.a.
T 26	1 49	15 36	2 20	8 16	1 52	16 10	1 51	4 56	0 6	12 48	0 40	22 6	0 52	8 23	0 48	0 33	1 56	33 5	12 20	3 39	3 52	11 13		n.a.
F 27	1 25	10 13	1 16	7 34	1 48	16 4	1 43	5 14	0 6	12 53	0 40	22 5	0 52	8 24	0 48	0 34	1 56	33 5	12 20	3 39	3 53	11 16		n.a.
S 28	1 0	4 31	0 10	6 51	1 44	15 57	1 35	5 32	0 5	12 57	0 40	22 5	0 52	8 25	0 48	0 35	1 56	33 4	12 20	3 39	3 54	11 19		n.a.
S 29	0 36	1s17	0s56	6 8	1 40	15 51	1 27	5 49	0 4	13 1	0 39	22 4	0 52	8 26	0 48	0 36	1 56	33 4	12 19	3 39	3 55	11 22		n.a.
M30	0n12	7s 0	1s59	5n24	1n36	15n43	1s19	6s 7	0n 4	13s 5	0n39	22n 3	0n52	8s27	0s48	0s37	1n56	33s 4	12s19	3s39	3s57	11s25		n.a.

Julian Day Number = 1475122.5, Delta T = 05h27m33s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'12, Lahiri = -13°16'11 Julian Calendar 1 Sept. 675 BCE == Greg. Calendar 25 Aug. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

OCTOBER 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 8 50	0♎31'22	24♎44	21♍51	14♌29	16♎11	6♏12	26♋20	10°R32	5♎58	27°R11	20°R53	20♓ 8	22♎36	n.a.	T 1
W 2	0 12 47	1°31'44	6♏32	23°30	15°23	16°54	6°24	26°25	10♓30	6° 1	27♉10	20♓51	20° 4	22°43	n.a.	W 2
T 3	0 16 43	2°32'07	18°23	25° 9	16°18	17°38	6°37	26°30	10°28	6° 3	27°10	20°49	20° 1	22°49	n.a.	T 3
F 4	0 20 40	3°32'32	0♐18	26°48	17°13	18°21	6°49	26°34	10°26	6° 5	27°10	20°48	19°58	22°56	n.a.	F 4
S 5	0 24 36	4°32'58	12°23	28°26	18° 9	19° 5	7° 2	26°38	10°23	6° 7	27° 9	20°46	19°55	23° 3	n.a.	S 5
S 6	0 28 33	5°33'26	24°40	0♎ 5	19° 5	19°49	7°14	26°42	10°21	6°10	27° 9	20°45	19°52	23° 9	n.a.	S 6
M 7	0 32 29	6°33'56	7♉14	1°43	20° 2	20°33	7°27	26°47	10°19	6°12	27° 9	20°D45	19°48	23°16	n.a.	M 7
T 8	0 36 26	7°34'27	20° 9	3°20	20°59	21°16	7°39	26°51	10°17	6°14	27° 8	20°45	19°45	23°23	n.a.	T 8
W 9	0 40 22	8°34'59	3♒29	4°58	21°57	22° 0	7°52	26°55	10°15	6°16	27° 8	20°46	19°42	23°29	n.a.	W 9
T 10	0 44 19	9°35'33	17°15	6°35	22°56	22°44	8° 5	26°58	10°13	6°19	27° 8	20°48	19°39	23°36	n.a.	T 10
F 11	0 48 16	10°36'08	1♓29	8°11	23°55	23°28	8°18	27° 2	10°11	6°21	27° 8	20°49	19°36	23°43	n.a.	F 11
S 12	0 52 12	11°36'45	16° 8	9°48	24°54	24°12	8°31	27° 6	10° 9	6°23	27° 7	20°R50	19°33	23°49	n.a.	S 12
S 13	0 56 9	12°37'23	1♈ 8	11°24	25°54	24°56	8°44	27°10	10° 7	6°25	27° 7	20°49	19°29	23°56	n.a.	S 13
M14	1 0 5	13°38'02	16°20	13° 0	26°55	25°40	8°57	27°13	10° 5	6°28	27° 7	20°48	19°26	24° 3	n.a.	M14
T 15	1 4 2	14°38'43	1♉36	14°35	27°56	26°24	9°10	27°16	10° 3	6°30	27° 7	20°45	19°23	24°10	n.a.	T 15
W16	1 7 58	15°39'26	16°44	16°11	28°57	27° 9	9°23	27°20	10° 1	6°32	27° 7	20°42	19°20	24°16	n.a.	W16
T 17	1 11 55	16°40'10	1♊36	17°46	29°59	27°53	9°36	27°23	9°59	6°34	27° 7	20°38	19°17	24°23	n.a.	T 17
F 18	1 15 51	17°40'57	16° 4	19°21	1♍ 1	28°37	9°49	27°26	9°58	6°37	27° 7	20°35	19°14	24°30	n.a.	F 18
S 19	1 19 48	18°41'45	0♋ 6	20°55	2° 3	29°22	10° 2	27°29	9°56	6°39	27°D 7	20°32	19°10	24°36	n.a.	S 19
S 20	1 23 45	19°42'35	13°40	22°30	3° 6	0♏ 6	10°15	27°32	9°54	6°41	27° 7	20°31	19° 7	24°43	n.a.	S 20
M21	1 27 41	20°43'26	26°47	24° 4	4°10	0°51	10°29	27°35	9°53	6°43	27° 7	20°D31	19° 4	24°50	n.a.	M21
T 22	1 31 38	21°44'19	9♌32	25°38	5°13	1°35	10°42	27°38	9°51	6°45	27° 7	20°32	19° 1	24°56	n.a.	T 22
W23	1 35 34	22°45'13	21°58	27°12	6°17	2°20	10°55	27°40	9°49	6°48	27° 7	20°34	18°58	25° 3	n.a.	W23
T 24	1 39 31	23°46'09	4♍ 9	28°46	7°22	3° 5	11° 9	27°43	9°48	6°50	27° 7	20°36	18°54	25°10	n.a.	T 24
F 25	1 43 27	24°47'07	16°10	0♏20	8°26	3°49	11°22	27°45	9°46	6°52	27° 7	20°R37	18°51	25°16	n.a.	F 25
S 26	1 47 24	25°48'06	28° 3	1°53	9°31	4°34	11°36	27°47	9°45	6°54	27° 8	20°37	18°48	25°23	n.a.	S 26
S 27	1 51 20	26°49'06	9♎53	3°27	10°36	5°19	11°49	27°50	9°43	6°56	27° 8	20°35	18°45	25°30	n.a.	S 27
M28	1 55 17	27°50'07	21°42	5° 0	11°42	6° 4	12° 3	27°52	9°42	6°58	27° 8	20°31	18°42	25°36	n.a.	M28
T 29	1 59 14	28°51'09	3♏31	6°34	12°48	6°49	12°16	27°54	9°40	7° 1	27° 8	20°25	18°39	25°43	n.a.	T 29
W30	2 3 10	29°52'13	15°22	8° 7	13°54	7°34	12°30	27°56	9°39	7° 3	27° 9	20°18	18°35	25°50	n.a.	W30
T 31	2 7 7	0♏53'18	27♏18	9♏40	15♍ 0	8♏19	12♏43	27♋57	9♓38	7♎ 5	27♉ 9	20♓10	18♓32	25♎56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s13	12s27	2s57	4n40	1n31	15n35	1s11	6s24	0n 3	13s10	0n39	22n 2	0n52	8s28	0s48	0s38	1n56	33s 4	12s19	3s40	3s58	11s29			n.a.
W 2	0 37	17 27	3 47	3 55	1 25	15 26	1 4	6 42	0 2	13 14	0 39	22 2	0 53	8 29	0 48	0 39	1 56	33 4	12 19	3 41	3 59	11 32			n.a.
T 3	1 1	21 49	4 27	3 10	1 20	15 17	0 56	6 59	0 2	13 18	0 39	22 1	0 53	8 29	0 48	0 40	1 56	33 4	12 18	3 41	4 0	11 35			n.a.
F 4	1 26	25 20	4 57	2 26	1 14	15 7	0 49	7 17	0 1	13 22	0 39	22 0	0 53	8 30	0 48	0 41	1 56	33 4	12 18	3 42	4 2	11 38			n.a.
S 5	1 50	27 46	5 13	1 41	1 9	14 57	0 42	7 34	0 0	13 27	0 39	22 0	0 53	8 31	0 48	0 41	1 56	33 3	12 18	3 43	4 3	11 41			n.a.
S 6	2 14	28 56	5 16	0 56	1 3	14 46	0 35	7 52	0s 0	13 31	0 38	21 59	0 53	8 32	0 48	0 42	1 56	33 3	12 18	3 43	4 4	11 45			n.a.
M 7	2 39	28 38	5 3	0 10	0 57	14 34	0 28	8 9	0 1	13 35	0 38	21 58	0 53	8 33	0 48	0 43	1 56	33 3	12 17	3 43	4 5	11 48			n.a.
T 8	3 3	26 47	4 36	0s35	0 50	14 22	0 21	8 26	0 2	13 40	0 38	21 58	0 54	8 33	0 48	0 44	1 56	33 3	12 17	3 43	4 7	11 51			n.a.
W 9	3 27	23 25	3 53	1 19	0 44	14 10	0 15	8 44	0 2	13 44	0 38	21 57	0 54	8 34	0 48	0 45	1 56	33 3	12 17	3 43	4 8	11 54			n.a.
T 10	3 51	18 39	2 55	2 4	0 38	13 56	0 8	9 1	0 3	13 48	0 38	21 56	0 54	8 35	0 48	0 46	1 56	33 3	12 17	3 42	4 9	11 58			n.a.
F 11	4 15	12 44	1 45	2 49	0 31	13 43	0 2	9 18	0 4	13 53	0 38	21 56	0 54	8 36	0 48	0 47	1 56	33 2	12 16	3 41	4 11	12 1			n.a.
S 12	4 39	5 57	0 26	3 33	0 25	13 28	0n 4	9 35	0 4	13 57	0 38	21 55	0 54	8 36	0 48	0 48	1 56	33 2	12 16	3 41	4 12	12 4			n.a.
S 13	5 3	1n19	0n57	4 17	0 18	13 14	0 11	9 52	0 5	14 1	0 37	21 55	0 54	8 37	0 48	0 49	1 56	33 2	12 16	3 41	4 13	12 7			n.a.
M14	5 27	8 36	2 16	5 1	0 12	12 58	0 16	10 9	0 6	14 6	0 37	21 54	0 55	8 38	0 48	0 49	1 56	33 2	12 16	3 42	4 14	12 10			n.a.
T 15	5 51	15 24	3 26	5 45	0 5	12 43	0 22	10 26	0 6	14 10	0 37	21 54	0 55	8 39	0 48	0 50	1 56	33 1	12 15	3 43	4 16	12 13			n.a.
W16	6 15	21 14	4 21	6 28	0s 1	12 26	0 28	10 43	0 7	14 14	0 37	21 53	0 55	8 39	0 48	0 51	1 56	33 1	12 15	3 44	4 17	12 17			n.a.
T 17	6 38	25 37	4 57	7 11	0 8	12 9	0 33	10 59	0 8	14 19	0 37	21 53	0 55	8 40	0 48	0 52	1 56	33 1	12 15	3 46	4 18	12 20			n.a.
F 18	7 2	28 14	5 13	7 54	0 14	11 52	0 39	11 16	0 8	14 23	0 37	21 52	0 55	8 41	0 48	0 53	1 56	33 1	12 15	3 47	4 19	12 23			n.a.
S 19	7 26	28 56	5 10	8 36	0 21	11 34	0 44	11 33	0 9	14 27	0 37	21 52	0 56	8 41	0 48	0 54	1 56	33 0	12 14	3 48	4 21	12 26			n.a.
S 20	7 49	27 51	4 49	9 18	0 27	11 16	0 49	11 49	0 10	14 32	0 37	21 52	0 56	8 42	0 48	0 55	1 56	33 0	12 14	3 48	4 22	12 29			n.a.
M21	8 12	25 14	4 13	9 59	0 34	10 57	0 54	12 6	0 10	14 36	0 36	21 51	0 56	8 43	0 48	0 56	1 56	33 0	12 14	3 48	4 23	12 32			n.a.
T 22	8 35	21 26	3 26	10 40	0 40	10 38	0 59	12 22	0 11	14 40	0 36	21 51	0 56	8 43	0 48	0 56	1 56	33 0	12 14	3 48	4 24	12 36			n.a.
W23	8 58	16 45	2 30	11 20	0 46	10 18	1 3	12 38	0 12	14 45	0 36	21 50	0 56	8 44	0 48	0 57	1 56	32 59	12 13	3 47	4 26	12 39			n.a.
T 24	9 21	11 30	1 29	12 0	0 52	9 58	1 8	12 54	0 12	14 49	0 36	21 50	0 56	8 44	0 48	0 58	1 56	32 59	12 13	3 47	4 27	12 42			n.a.
F 25	9 44	5 54	0 24	12 39	0 58	9 38	1 12	13 10	0 13	14 53	0 36	21 50	0 57	8 45	0 48	0 59	1 56	32 59	12 13	3 46	4 28	12 45			n.a.
S 26	10 6	0 10	0s41	13 18	1 4	9 17	1 16	13 26	0 14	14 57	0 36	21 50	0 57	8 45	0 48	1 0	1 56	32 59	12 13	3 46	4 29	12 48			n.a.
S 27	10 29	5s33	1 43	13 56	1 10	8 56	1 20	13 42	0 14	15 2	0 36	21 49	0 57	8 46	0 48	1 1	1 57	32 58	12 12	3 47	4 31	12 51			n.a.
M28	10 51	11 3	2 41	14 33	1 15	8 34	1 24	13 58	0 15	15 6	0 36	21 49	0 57	8 46	0 47	1 2	1 57	32 58	12 12	3 49	4 32	12 55			n.a.
T 29	11 13	16 11	3 32	15 10	1 21	8 12	1 28	14 14	0 16	15 10	0 35	21 49	0 57	8 47	0 47	1 2	1 57	32 58	12 12	3 51	4 33	12 58			n.a.
W30	11 35	20 43	4 14	15 46	1 26	7 50	1 32	14 29	0 16	15 15	0 35	21 49	0 58	8 47	0 47	1 3	1 57	32 57	12 12	3 54	4 35	13 1			n.a.
T 31	11s57	24s27	4s45	16s21	1s31	7n27	1n35	14s44	0s17	15s19	0n35	21n48	0n58	8s48	0s47	1s 4	1n57	32s57	12s11	3s57	4s36	13s 4			n.a.

Julian Day Number = 1475152.5, Delta T = 05h27m32s
Ecliptic obliquity = 23°46'45, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'08, Lahiri = -13°16'07 Julian Calendar 1 Oct. 675 BCE == Greg. Calendar 24 Sept. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

NOVEMBER 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 11 3	1♏54'23	9♐20	11♏14	16♍ 7	9♏ 4	12♏57	27♋59	9°R37	7♎ 7	27♑ 9	20°R 1	18♓29	26♎ 3	n.a.	F 1
S 2	2 15 0	2°55'30	21°29	12°47	17°14	9°49	13°10	28° 1	9♓35	7° 9	27°10	19♓54	18°26	26°10	n.a.	S 2
S 3	2 18 56	3°56'37	3♑49	14°20	18°21	10°34	13°24	28° 2	9°34	7°11	27°10	19°48	18°23	26°16	n.a.	S 3
M 4	2 22 53	4°57'45	16°23	15°53	19°28	11°19	13°38	28° 3	9°33	7°13	27°10	19°44	18°19	26°23	n.a.	M 4
T 5	2 26 49	5°58'53	29°13	17°26	20°35	12° 5	13°51	28° 5	9°32	7°15	27°11	19°42	18°16	26°30	n.a.	T 5
W 6	2 30 46	7° 0'02	12♒23	18°59	21°43	12°50	14° 5	28° 6	9°31	7°17	27°11	19°D42	18°13	26°36	n.a.	W 6
T 7	2 34 43	8° 1'11	25°56	20°31	22°51	13°35	14°19	28° 7	9°30	7°19	27°12	19°43	18°10	26°43	n.a.	T 7
F 8	2 38 39	9° 2'21	9♓55	22° 4	23°59	14°21	14°32	28° 8	9°29	7°21	27°12	19°44	18° 7	26°50	n.a.	F 8
S 9	2 42 36	10° 3'31	24°20	23°36	25° 8	15° 6	14°46	28° 8	9°28	7°23	27°13	19°R44	18° 4	26°56	n.a.	S 9
S 10	2 46 32	11° 4'42	9♈ 8	25° 8	26°16	15°52	15° 0	28° 9	9°28	7°25	27°13	19°43	18° 0	27° 3	n.a.	S 10
M11	2 50 29	12° 5'53	24°14	26°40	27°25	16°37	15°14	28°10	9°27	7°27	27°14	19°39	17°57	27°10	n.a.	M11
T 12	2 54 25	13° 7'05	9♉30	28°11	28°34	17°23	15°27	28°10	9°26	7°29	27°15	19°33	17°54	27°16	n.a.	T 12
W13	2 58 22	14° 8'17	24°45	29°42	29°43	18° 8	15°41	28°10	9°25	7°31	27°15	19°24	17°51	27°23	n.a.	W13
T 14	3 2 18	15° 9'30	9♊48	1♐12	0♎52	18°54	15°55	28°11	9°25	7°33	27°16	19°15	17°48	27°30	n.a.	T 14
F 15	3 6 15	16°10'43	24°30	2°42	2° 2	19°40	16° 9	28°11	9°24	7°35	27°17	19° 7	17°45	27°36	n.a.	F 15
S 16	3 10 12	17°11'58	8♋44	4°10	3°11	20°26	16°22	28°R11	9°24	7°36	27°17	18°59	17°41	27°43	n.a.	S 16
S 17	3 14 8	18°13'13	22°29	5°37	4°21	21°11	16°36	28°11	9°23	7°38	27°18	18°54	17°38	27°50	n.a.	S 17
M18	3 18 5	19°14'28	5♌43	7° 3	5°31	21°57	16°50	28°10	9°23	7°40	27°19	18°51	17°35	27°56	n.a.	M18
T 19	3 22 1	20°15'44	18°31	8°28	6°41	22°43	17° 4	28°10	9°22	7°42	27°20	18°D49	17°32	28° 3	n.a.	T 19
W20	3 25 58	21°17'00	0♍56	9°50	7°51	23°29	17°17	28°10	9°22	7°44	27°20	18°50	17°29	28°10	n.a.	W20
T 21	3 29 54	22°18'17	13° 4	11°11	9° 1	24°15	17°31	28° 9	9°22	7°45	27°21	18°R50	17°25	28°16	n.a.	T 21
F 22	3 33 51	23°19'35	25° 1	12°28	10°12	25° 1	17°45	28° 9	9°22	7°47	27°22	18°50	17°22	28°23	n.a.	F 22
S 23	3 37 48	24°20'53	6♎50	13°43	11°22	25°47	17°59	28° 8	9°21	7°49	27°23	18°49	17°19	28°30	n.a.	S 23
S 24	3 41 44	25°22'11	18°37	14°53	12°33	26°33	18°12	28° 7	9°21	7°50	27°24	18°44	17°16	28°37	n.a.	S 24
M25	3 45 41	26°23'29	0♏25	16° 0	13°44	27°19	18°26	28° 6	9°21	7°52	27°25	18°37	17°13	28°43	n.a.	M25
T 26	3 49 37	27°24'48	12°17	17° 1	14°55	28° 6	18°40	28° 5	9°D21	7°54	27°26	18°27	17°10	28°50	n.a.	T 26
W27	3 53 34	28°26'06	24°15	17°57	16° 6	28°52	18°53	28° 4	9°21	7°55	27°27	18°15	17° 6	28°57	n.a.	W27
T 28	3 57 30	29°27'25	6♐20	18°46	17°17	29°38	19° 7	28° 2	9°21	7°57	27°28	18° 1	17° 3	29° 3	n.a.	T 28
F 29	4 1 27	0♐28'43	18°33	19°28	18°28	0♐24	19°21	28° 1	9°22	7°59	27°29	17°47	17° 0	29°10	n.a.	F 29
S 30	4 5 23	1♐30'02	0♑55	20♐ 2	19♎40	1♐11	19♏34	27♋59	9♓22	8♎ 0	27♑30	17♓34	16♓57	29♎17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s18	27s 9	5s 3	16s56	1s36	7n 4	1n39	15s 0	0s17	15s23	0n35	21n48	0n58	8s48	0s47	1s 5	1n57	32s57	12s11	4s 0	4s37	13s 7		n.a.
S 2	12 40	28 38	5 9	17 30	1 41	6 40	1 42	15 15	0 18	15 27	0 35	21 48	0 58	8 49	0 47	1 6	1 57	32 56	12 11	4 3	4 38	13 10		n.a.
S 3	13 1	28 43	5 0	18 3	1 45	6 17	1 45	15 30	0 19	15 32	0 35	21 48	0 58	8 49	0 47	1 6	1 57	32 56	12 10	4 6	4 40	13 13		n.a.
M 4	13 22	27 20	4 36	18 34	1 50	5 53	1 48	15 45	0 19	15 36	0 35	21 48	0 59	8 50	0 47	1 7	1 57	32 56	12 10	4 7	4 41	13 16		n.a.
T 5	13 42	24 29	3 59	19 5	1 54	5 28	1 51	16 0	0 20	15 40	0 35	21 48	0 59	8 50	0 47	1 8	1 57	32 55	12 10	4 8	4 42	13 20		n.a.
W 6	14 3	20 19	3 8	19 35	1 57	5 4	1 53	16 14	0 21	15 44	0 35	21 48	0 59	8 50	0 47	1 9	1 57	32 55	12 10	4 8	4 43	13 23		n.a.
T 7	14 23	15 0	2 5	20 4	2 1	4 39	1 56	16 29	0 21	15 49	0 35	21 48	0 59	8 51	0 47	1 10	1 57	32 55	12 9	4 8	4 45	13 26		n.a.
F 8	14 43	8 46	0 53	20 32	2 4	4 14	1 58	16 43	0 22	15 53	0 34	21 48	0 59	8 51	0 47	1 10	1 57	32 54	12 9	4 7	4 46	13 29		n.a.
S 9	15 2	1 54	0n25	20 59	2 7	3 48	2 1	16 57	0 23	15 57	0 34	21 48	1 0	8 51	0 47	1 11	1 57	32 54	12 9	4 7	4 47	13 32		n.a.
S 10	15 22	5n14	1 42	21 25	2 9	3 23	2 3	17 11	0 23	16 1	0 34	21 48	1 0	8 51	0 47	1 12	1 57	32 53	12 9	4 8	4 48	13 35		n.a.
M11	15 41	12 13	2 54	21 49	2 11	2 57	2 5	17 25	0 24	16 5	0 34	21 48	1 0	8 52	0 47	1 13	1 57	32 53	12 8	4 9	4 50	13 38		n.a.
T 12	16 0	18 33	3 55	22 12	2 13	2 31	2 7	17 39	0 24	16 10	0 34	21 48	1 0	8 52	0 47	1 13	1 57	32 53	12 8	4 12	4 51	13 41		n.a.
W13	16 18	23 42	4 38	22 33	2 14	2 4	2 8	17 53	0 25	16 14	0 34	21 48	1 0	8 52	0 47	1 14	1 57	32 52	12 8	4 15	4 52	13 44		n.a.
T 14	16 37	27 12	5 1	22 53	2 15	1 38	2 10	18 6	0 26	16 18	0 34	21 48	1 1	8 52	0 47	1 15	1 57	32 52	12 8	4 19	4 53	13 48		n.a.
F 15	16 55	28 43	5 4	23 12	2 15	1 11	2 12	18 19	0 26	16 22	0 34	21 49	1 1	8 53	0 47	1 15	1 57	32 52	12 7	4 22	4 55	13 51		n.a.
S 16	17 12	28 16	4 48	23 29	2 15	0 45	2 13	18 32	0 27	16 26	0 34	21 49	1 1	8 53	0 47	1 16	1 57	32 51	12 7	4 25	4 56	13 54		n.a.
S 17	17 30	26 4	4 15	23 44	2 14	0 18	2 14	18 45	0 28	16 30	0 34	21 49	1 1	8 53	0 47	1 17	1 57	32 51	12 7	4 27	4 57	13 57		n.a.
M18	17 47	22 29	3 29	23 58	2 12	0s 9	2 15	18 58	0 28	16 34	0 33	21 49	1 1	8 53	0 47	1 18	1 57	32 50	12 7	4 29	4 58	14 0		n.a.
T 19	18 4	17 56	2 35	24 10	2 10	0 36	2 16	19 11	0 29	16 38	0 33	21 50	1 2	8 53	0 47	1 18	1 57	32 50	12 6	4 29	5 0	14 3		n.a.
W20	18 20	12 46	1 34	24 20	2 7	1 4	2 17	19 23	0 29	16 42	0 33	21 50	1 2	8 53	0 47	1 19	1 57	32 50	12 6	4 29	5 1	14 6		n.a.
T 21	18 36	7 13	0 31	24 28	2 3	1 31	2 18	19 35	0 30	16 46	0 33	21 50	1 2	8 53	0 47	1 20	1 57	32 49	12 6	4 29	5 2	14 9		n.a.
F 22	18 52	1 30	0s33	24 34	1 58	1 58	2 19	19 47	0 31	16 50	0 33	21 50	1 2	8 53	0 47	1 20	1 57	32 49	12 6	4 29	5 3	14 12		n.a.
S 23	19 8	4s12	1 34	24 38	1 52	2 26	2 19	19 59	0 31	16 54	0 33	21 51	1 2	8 53	0 46	1 21	1 58	32 48	12 6	4 29	5 5	14 15		n.a.
S 24	19 23	9 44	2 32	24 39	1 46	2 53	2 20	20 10	0 32	16 58	0 33	21 51	1 3	8 53	0 46	1 21	1 58	32 48	12 5	4 31	5 6	14 18		n.a.
M25	19 37	14 56	3 22	24 39	1 38	3 21	2 20	20 22	0 32	17 2	0 33	21 52	1 3	8 53	0 46	1 22	1 58	32 48	12 5	4 34	5 7	14 21		n.a.
T 26	19 52	19 36	4 4	24 37	1 29	3 48	2 20	20 33	0 33	17 6	0 33	21 52	1 3	8 53	0 46	1 23	1 58	32 47	12 5	4 38	5 8	14 24		n.a.
W27	20 6	23 32	4 35	24 32	1 19	4 16	2 20	20 44	0 34	17 10	0 33	21 52	1 3	8 53	0 46	1 23	1 58	32 47	12 5	4 43	5 10	14 27		n.a.
T 28	20 19	26 30	4 55	24 26	1 8	4 44	2 20	20 55	0 34	17 14	0 33	21 53	1 3	8 53	0 46	1 24	1 58	32 46	12 4	4 48	5 11	14 30		n.a.
F 29	20 32	28 16	5 1	24 17	0 56	5 11	2 20	21 5	0 35	17 17	0 33	21 53	1 4	8 53	0 46	1 24	1 58	32 46	12 4	4 54	5 12	14 33		n.a.
S 30	20s45	28s39	4s53	24s 6	0s42	5s39	2n20	21s16	0s35	17s21	0n32	21n54	1n 4	8s53	0s46	1s25	1n58	32s45	12s 4	4s59	5s13	14s36		n.a.

Julian Day Number = 1475183.5, Delta T = 05h27m30s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'04, Lahiri = -13°16'03 Julian Calendar 1 Nov. 675 BCE == Greg. Calendar 25 Oct. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 675 BCE
geocentric

DECEMBER 675 BCE (-674) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 9 20	2♐31'20	13♉27	20♐26	20♎51	1♐57	19♏48	27°R58	9♓22	8♎ 2	27♉31	17°R23	16♓54	29♎23	n.a.	S 1
M 2	4 13 17	3°32'38	26° 9	20°40	22° 3	2°43	20° 2	27♋56	9°22	8° 3	27°32	17♓15	16°51	29°30	n.a.	M 2
T 3	4 17 13	4°33'55	9♒ 4	20°R43	23°14	3°30	20°15	27°54	9°23	8° 4	27°33	17°10	16°47	29°37	n.a.	T 3
W 4	4 21 10	5°35'11	22°14	20°35	24°26	4°16	20°29	27°52	9°23	8° 6	27°34	17° 7	16°44	29°43	n.a.	W 4
T 5	4 25 6	6°36'27	5♓41	20°15	25°38	5° 3	20°42	27°50	9°24	8° 7	27°35	17°D 7	16°41	29°50	n.a.	T 5
F 6	4 29 3	7°37'42	19°27	19°43	26°50	5°49	20°56	27°48	9°24	8° 9	27°36	17°R 7	16°38	29°57	n.a.	F 6
S 7	4 32 59	8°38'57	3♈34	19° 0	28° 1	6°36	21° 9	27°46	9°25	8°10	27°37	17° 6	16°35	0♏ 3	n.a.	S 7
S 8	4 36 56	9°40'11	18° 2	18° 6	29°13	7°22	21°23	27°43	9°25	8°11	27°39	17° 3	16°31	0°10	n.a.	S 8
M 9	4 40 53	10°41'24	2♉47	17° 3	0♏25	8° 9	21°36	27°41	9°26	8°13	27°40	16°58	16°28	0°17	n.a.	M 9
T 10	4 44 49	11°42'36	17°44	15°53	1°38	8°56	21°50	27°38	9°27	8°14	27°41	16°49	16°25	0°23	n.a.	T 10
W11	4 48 46	12°43'48	2♊45	14°37	2°50	9°42	22° 3	27°36	9°27	8°15	27°42	16°39	16°22	0°30	n.a.	W11
T 12	4 52 42	13°44'59	17°41	13°19	4° 2	10°29	22°16	27°33	9°28	8°16	27°44	16°27	16°19	0°37	n.a.	T 12
F 13	4 56 39	14°46'09	2♋21	12° 0	5°14	11°16	22°29	27°30	9°29	8°17	27°45	16°15	16°16	0°44	n.a.	F 13
S 14	5 0 35	15°47'19	16°38	10°44	6°27	12° 2	22°43	27°27	9°30	8°19	27°46	16° 4	16°12	0°50	n.a.	S 14
S 15	5 4 32	16°48'28	0♌28	9°31	7°39	12°49	22°56	27°24	9°31	8°20	27°47	15°56	16° 9	0°57	n.a.	S 15
M16	5 8 28	17°49'37	13°49	8°25	8°52	13°36	23° 9	27°21	9°32	8°21	27°49	15°50	16° 6	1° 4	n.a.	M16
T 17	5 12 25	18°50'45	26°43	7°26	10° 4	14°23	23°22	27°18	9°33	8°22	27°50	15°47	16° 3	1°10	n.a.	T 17
W18	5 16 22	19°51'52	9♍13	6°36	11°17	15°10	23°35	27°15	9°34	8°23	27°52	15°46	16° 0	1°17	n.a.	W18
T 19	5 20 18	20°52'59	21°24	5°55	12°30	15°56	23°48	27°12	9°35	8°24	27°53	15°46	15°57	1°24	n.a.	T 19
F 20	5 24 15	21°54'05	3♎22	5°22	13°42	16°43	24° 1	27° 8	9°37	8°25	27°54	15°46	15°53	1°30	n.a.	F 20
S 21	5 28 11	22°55'11	15°12	4°59	14°55	17°30	24°14	27° 5	9°38	8°26	27°56	15°44	15°50	1°37	n.a.	S 21
S 22	5 32 8	23°56'15	27° 0	4°45	16° 8	18°17	24°27	27° 1	9°39	8°26	27°57	15°40	15°47	1°44	n.a.	S 22
M23	5 36 4	24°57'19	8♏50	4°D40	17°21	19° 4	24°40	26°58	9°41	8°27	27°59	15°33	15°44	1°50	n.a.	M23
T 24	5 40 1	25°58'23	20°46	4°42	18°34	19°51	24°53	26°54	9°42	8°28	28° 0	15°23	15°41	1°57	n.a.	T 24
W25	5 43 58	26°59'25	2♐50	4°52	19°47	20°38	25° 6	26°50	9°44	8°29	28° 1	15°11	15°37	2° 4	n.a.	W25
T 26	5 47 54	28° 0'26	15° 6	5° 9	21° 0	21°25	25°18	26°46	9°45	8°30	28° 3	14°57	15°34	2°10	n.a.	T 26
F 27	5 51 51	29° 1'26	27°33	5°33	22°13	22°12	25°31	26°42	9°47	8°30	28° 4	14°43	15°31	2°17	n.a.	F 27
S 28	5 55 47	0♑ 2'25	10♑12	6° 2	23°26	22°59	25°44	26°38	9°48	8°31	28° 6	14°29	15°28	2°24	n.a.	S 28
S 29	5 59 44	1° 3'23	23° 2	6°36	24°39	23°46	25°56	26°34	9°50	8°32	28° 7	14°18	15°25	2°31	n.a.	S 29
M30	6 3 40	2° 4'19	6♒ 3	7°16	25°52	24°33	26° 9	26°30	9°52	8°32	28° 9	14°10	15°22	2°37	n.a.	M30
T 31	6 7 37	3♑ 5'14	19♒15	7♐59	27♏ 5	25♐20	26♏21	26♋26	9♓53	8♎33	28♉10	14♓ 5	15♓18	2♏44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s58	27s35	4s31	23s53	0s27	6s 6	2n19	21s26	0s36	17s25	0n32	21n54	1n 4	8s53	0s46	1s26	1n58	32s45	12s 4	5s 3	5s15	14s40		n.a.
M 2	21 10	25 4	3 55	23 38	0 11	6 33	2 19	21 36	0 36	17 29	0 32	21 55	1 4	8 53	0 46	1 26	1 58	32 45	12 4	5 6	5 16	14 43		n.a.
T 3	21 21	21 14	3 7	23 21	0n 6	7 1	2 18	21 45	0 37	17 33	0 32	21 55	1 4	8 52	0 46	1 27	1 58	32 44	12 3	5 8	5 17	14 46		n.a.
W 4	21 32	16 18	2 8	23 2	0 24	7 28	2 18	21 55	0 38	17 36	0 32	21 56	1 5	8 52	0 46	1 27	1 58	32 44	12 3	5 9	5 18	14 49		n.a.
T 5	21 43	10 29	1 0	22 42	0 43	7 55	2 17	22 4	0 38	17 40	0 32	21 57	1 5	8 52	0 46	1 28	1 58	32 43	12 3	5 10	5 20	14 52		n.a.
F 6	21 54	4 3	0n12	22 20	1 3	8 22	2 16	22 13	0 39	17 44	0 32	21 57	1 5	8 52	0 46	1 28	1 58	32 43	12 3	5 10	5 21	14 55		n.a.
S 7	22 3	2n45	1 26	21 57	1 23	8 49	2 15	22 22	0 39	17 47	0 32	21 58	1 5	8 52	0 46	1 29	1 58	32 42	12 3	5 10	5 22	14 58		n.a.
S 8	22 13	9 34	2 36	21 33	1 42	9 16	2 14	22 30	0 40	17 51	0 32	21 59	1 5	8 51	0 46	1 29	1 58	32 42	12 2	5 11	5 23	15 1		n.a.
M 9	22 22	15 59	3 36	21 8	2 1	9 42	2 13	22 39	0 40	17 55	0 32	21 59	1 5	8 51	0 46	1 29	1 58	32 42	12 2	5 13	5 25	15 4		n.a.
T 10	22 31	21 33	4 23	20 43	2 19	10 9	2 12	22 47	0 41	17 58	0 32	22 0	1 6	8 51	0 46	1 30	1 58	32 41	12 2	5 16	5 26	15 7		n.a.
W11	22 39	25 46	4 51	20 19	2 35	10 35	2 11	22 54	0 42	18 2	0 32	22 1	1 6	8 50	0 46	1 30	1 59	32 41	12 2	5 21	5 27	15 10		n.a.
T 12	22 46	28 10	5 0	19 55	2 50	11 1	2 9	23 2	0 42	18 5	0 32	22 1	1 6	8 50	0 46	1 31	1 59	32 40	12 2	5 25	5 28	15 13		n.a.
F 13	22 54	28 34	4 48	19 33	3 2	11 27	2 8	23 9	0 43	18 9	0 32	22 2	1 6	8 50	0 46	1 31	1 59	32 40	12 2	5 30	5 30	15 16		n.a.
S 14	23 0	27 0	4 19	19 13	3 12	11 52	2 6	23 16	0 43	18 12	0 31	22 3	1 6	8 49	0 46	1 32	1 59	32 39	12 1	5 34	5 31	15 19		n.a.
S 15	23 7	23 50	3 35	18 55	3 19	12 18	2 5	23 23	0 44	18 16	0 31	22 4	1 7	8 49	0 46	1 32	1 59	32 39	12 1	5 38	5 32	15 22		n.a.
M16	23 13	19 28	2 40	18 40	3 24	12 43	2 3	23 29	0 44	18 19	0 31	22 4	1 7	8 48	0 46	1 32	1 59	32 38	12 1	5 40	5 33	15 25		n.a.
T 17	23 18	14 20	1 39	18 27	3 27	13 8	2 1	23 35	0 45	18 22	0 31	22 5	1 7	8 48	0 46	1 33	1 59	32 38	12 1	5 41	5 35	15 28		n.a.
W18	23 23	8 46	0 35	18 19	3 28	13 32	1 59	23 41	0 45	18 26	0 31	22 6	1 7	8 47	0 45	1 33	1 59	32 38	12 1	5 41	5 36	15 31		n.a.
T 19	23 28	3 0	0s30	18 13	3 26	13 57	1 57	23 47	0 46	18 29	0 31	22 7	1 7	8 47	0 45	1 33	1 59	32 37	12 1	5 41	5 37	15 33		n.a.
F 20	23 32	2s45	1 32	18 10	3 23	14 21	1 55	23 52	0 46	18 33	0 31	22 8	1 7	8 46	0 45	1 34	1 59	32 37	12 1	5 41	5 38	15 36		n.a.
S 21	23 35	8 21	2 29	18 11	3 19	14 44	1 53	23 57	0 47	18 36	0 31	22 9	1 8	8 46	0 45	1 34	1 59	32 36	12 0	5 42	5 40	15 39		n.a.
S 22	23 38	13 38	3 20	18 14	3 13	15 7	1 51	24 2	0 47	18 39	0 31	22 10	1 8	8 45	0 45	1 34	1 59	32 36	12 0	5 44	5 41	15 42		n.a.
M23	23 41	18 27	4 2	18 19	3 6	15 30	1 49	24 7	0 48	18 42	0 31	22 10	1 8	8 45	0 45	1 35	1 59	32 35	12 0	5 47	5 42	15 45		n.a.
T 24	23 43	22 35	4 33	18 27	2 58	15 53	1 47	24 11	0 48	18 45	0 31	22 11	1 8	8 44	0 45	1 35	1 59	32 35	12 0	5 50	5 43	15 48		n.a.
W25	23 45	25 49	4 53	18 37	2 50	16 15	1 45	24 15	0 49	18 49	0 31	22 12	1 8	8 44	0 45	1 35	1 59	32 35	12 0	5 55	5 45	15 51		n.a.
T 26	23 46	27 54	5 0	18 49	2 41	16 37	1 42	24 19	0 49	18 52	0 31	22 13	1 8	8 43	0 45	1 35	1 59	32 34	12 0	6 1	5 46	15 54		n.a.
F 27	23 47	28 38	4 53	19 2	2 32	16 58	1 40	24 22	0 50	18 55	0 31	22 14	1 9	8 42	0 45	1 36	2 0	32 34	12 0	6 6	5 47	15 57		n.a.
S 28	23 47	27 53	4 31	19 17	2 22	17 19	1 37	24 26	0 50	18 58	0 31	22 15	1 9	8 42	0 45	1 36	2 0	32 33	12 0	6 11	5 48	16 0		n.a.
S 29	23 46	25 39	3 55	19 32	2 13	17 40	1 35	24 28	0 51	19 1	0 31	22 16	1 9	8 41	0 45	1 36	2 0	32 33	12 0	6 16	5 50	16 3		n.a.
M30	23 46	22 2	3 7	19 49	2 3	18 0	1 32	24 31	0 51	19 4	0 31	22 17	1 9	8 40	0 45	1 36	2 0	32 32	11 59	6 19	5 51	16 6		n.a.
T 31	23s45	17s16	2s 7	20s 6	1n53	18s20	1n30	24s33	0s52	19s 7	0n31	22n18	1n 9	8s40	0s45	1s36	2n 0	32s32	11s59	6s21	5s52	16s 9		n.a.

Julian Day Number = 1475213.5, Delta T = 05h27m29s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°23'00, Lahiri = -13°15'59 Julian Calendar 1 Dec. 675 BCE == Greg. Calendar 24 Nov. 675 BCE

The year -674 astronomical counting style corresponds to year 675 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

JANUARY 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 11 33	4♉ 6'07	2♓38	8♐47	28♏18	26♐ 7	26♏33	26°R22	9♓55	8♎34	28♉12	14°R 2	15♓15	2♏51	n.a.	W 1
T 2	6 15 30	5° 6'59	16°12	9°39	29°31	26°55	26°46	26♋17	9°57	8°34	28°14	14°D 2	15°12	2°57	n.a.	T 2
F 3	6 19 27	6° 7'49	29°58	10°33	0♐44	27°42	26°58	26°13	9°59	8°35	28°15	14°R 2	15° 9	3° 4	n.a.	F 3
S 4	6 23 23	7° 8'37	13♈57	11°31	1°58	28°29	27°10	26° 9	10° 1	8°35	28°17	14♓ 2	15° 6	3°11	n.a.	S 4
S 5	6 27 20	8° 9'23	28° 9	12°32	3°11	29°16	27°22	26° 4	10° 3	8°35	28°18	14° 0	15° 3	3°17	n.a.	S 5
M 6	6 31 16	9°10'08	12♉32	13°35	4°24	0♉ 3	27°34	26° 0	10° 5	8°36	28°20	13°56	14°59	3°24	n.a.	M 6
T 7	6 35 13	10°10'51	27° 3	14°41	5°37	0°50	27°46	25°55	10° 7	8°36	28°21	13°50	14°56	3°31	n.a.	T 7
W 8	6 39 9	11°11'32	11♊37	15°49	6°51	1°37	27°58	25°51	10° 9	8°36	28°23	13°41	14°53	3°37	n.a.	W 8
T 9	6 43 6	12°12'12	26° 8	16°58	8° 4	2°25	28° 9	25°46	10°11	8°37	28°25	13°31	14°50	3°44	n.a.	T 9
F 10	6 47 2	13°12'49	10♋28	18°10	9°17	3°12	28°21	25°42	10°13	8°37	28°26	13°21	14°47	3°51	n.a.	F 10
S 11	6 50 59	14°13'26	24°32	19°24	10°31	3°59	28°33	25°37	10°15	8°37	28°28	13°12	14°43	3°57	n.a.	S 11
S 12	6 54 56	15°14'00	8♌14	20°39	11°44	4°46	28°44	25°32	10°18	8°37	28°30	13° 5	14°40	4° 4	n.a.	S 12
M13	6 58 52	16°14'33	21°32	21°56	12°57	5°33	28°56	25°28	10°20	8°37	28°31	13° 0	14°37	4°11	n.a.	M13
T 14	7 2 49	17°15'05	4♍27	23°14	14°11	6°21	29° 7	25°23	10°22	8°38	28°33	12°58	14°34	4°18	n.a.	T 14
W15	7 6 45	18°15'34	17° 0	24°34	15°24	7° 8	29°18	25°18	10°25	8°38	28°34	12°D57	14°31	4°24	n.a.	W15
T 16	7 10 42	19°16'03	29°15	25°55	16°38	7°55	29°30	25°13	10°27	8°38	28°36	12°58	14°28	4°31	n.a.	T 16
F 17	7 14 38	20°16'29	11♎16	27°17	17°51	8°42	29°41	25° 9	10°29	8°R38	28°38	12°59	14°24	4°38	n.a.	F 17
S 18	7 18 35	21°16'55	23° 9	28°40	19° 4	9°29	29°52	25° 4	10°32	8°38	28°39	13°R 0	14°21	4°44	n.a.	S 18
S 19	7 22 31	22°17'18	4♏59	0♉ 5	20°18	10°17	0♐ 3	24°59	10°34	8°38	28°41	12°59	14°18	4°51	n.a.	S 19
M20	7 26 28	23°17'41	16°51	1°31	21°31	11° 4	0°13	24°54	10°37	8°38	28°43	12°55	14°15	4°58	n.a.	M20
T 21	7 30 25	24°18'01	28°50	2°58	22°45	11°51	0°24	24°49	10°39	8°37	28°44	12°50	14°12	5° 4	n.a.	T 21
W22	7 34 21	25°18'20	10♐59	4°26	23°58	12°38	0°35	24°45	10°42	8°37	28°46	12°43	14° 9	5°11	n.a.	W22
T 23	7 38 18	26°18'38	23°23	5°56	25°12	13°25	0°45	24°40	10°45	8°37	28°48	12°35	14° 5	5°18	n.a.	T 23
F 24	7 42 14	27°18'53	6♉ 1	7°26	26°25	14°13	0°56	24°35	10°47	8°37	28°49	12°26	14° 2	5°24	n.a.	F 24
S 25	7 46 11	28°19'07	18°56	8°58	27°39	15° 0	1° 6	24°30	10°50	8°37	28°51	12°18	13°59	5°31	n.a.	S 25
S 26	7 50 7	29°19'19	2♒ 6	10°30	28°53	15°47	1°16	24°25	10°53	8°36	28°53	12°11	13°56	5°38	n.a.	S 26
M27	7 54 4	0♒19'29	15°30	12° 4	0♉ 6	16°34	1°27	24°21	10°56	8°36	28°54	12° 7	13°53	5°45	n.a.	M27
T 28	7 58 1	1°19'36	29° 7	13°38	1°20	17°22	1°37	24°16	10°58	8°36	28°56	12° 4	13°49	5°51	n.a.	T 28
W29	8 1 57	2°19'42	12♓54	15°14	2°33	18° 9	1°47	24°11	11° 1	8°35	28°58	12°D 3	13°46	5°58	n.a.	W29
T 30	8 5 54	3°19'45	26°48	16°51	3°47	18°56	1°56	24° 6	11° 4	8°35	28°59	12° 4	13°43	6° 5	n.a.	T 30
F 31	8 9 50	4♒19'46	10♈49	18♉29	5♉ 0	19♉43	2♐ 6	24♋ 2	11♓ 7	8♎34	29♉ 1	12♓ 5	13♓40	6♏11	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23s43	11s37	1s 0	20s23	1n43	18s39	1n27	24s35	0s52	19s10	0n30	22n19	1n 9	8s39	0s45	1s36	2n 0	32s32	11s59	6s22	5s53	16s12			n.a.
T 2	23 41	5 21	0n12	20 41	1 32	18 57	1 25	24 37	0 53	19 13	0 30	22 20	1 10	8 38	0 45	1 37	2 0	32 31	11 59	6 22	5 55	16 15			n.a.
F 3	23 38	1n16	1 24	20 59	1 22	19 16	1 22	24 38	0 53	19 16	0 30	22 21	1 10	8 37	0 45	1 37	2 0	32 31	11 59	6 22	5 56	16 17			n.a.
S 4	23 35	7 54	2 32	21 17	1 12	19 33	1 19	24 40	0 53	19 19	0 30	22 22	1 10	8 37	0 45	1 37	2 0	32 30	11 59	6 22	5 57	16 20			n.a.
S 5	23 31	14 15	3 32	21 35	1 3	19 51	1 16	24 40	0 54	19 22	0 30	22 23	1 10	8 36	0 45	1 37	2 0	32 30	11 59	6 23	5 58	16 23			n.a.
M 6	23 27	19 55	4 19	21 53	0 53	20 7	1 14	24 41	0 54	19 24	0 30	22 24	1 10	8 35	0 45	1 37	2 0	32 29	11 59	6 24	6 0	16 26			n.a.
T 7	23 23	24 29	4 51	22 10	0 43	20 23	1 11	24 41	0 55	19 27	0 30	22 25	1 10	8 34	0 45	1 37	2 0	32 29	11 59	6 27	6 1	16 29			n.a.
W 8	23 18	27 30	5 3	22 27	0 34	20 39	1 8	24 41	0 55	19 30	0 30	22 26	1 10	8 33	0 45	1 37	2 0	32 29	11 59	6 30	6 2	16 32			n.a.
T 9	23 13	28 39	4 56	22 43	0 25	20 54	1 5	24 41	0 56	19 33	0 30	22 27	1 11	8 33	0 45	1 37	2 0	32 28	11 59	6 34	6 3	16 35			n.a.
F 10	23 7	27 51	4 30	22 59	0 16	21 8	1 2	24 40	0 56	19 35	0 30	22 28	1 11	8 32	0 45	1 37	2 1	32 28	11 59	6 38	6 5	16 38			n.a.
S 11	23 0	25 16	3 49	23 14	0 7	21 22	0 59	24 39	0 56	19 38	0 30	22 29	1 11	8 31	0 45	1 37	2 1	32 27	11 59	6 42	6 6	16 41			n.a.
S 12	22 54	21 16	2 54	23 29	0s 2	21 35	0 56	24 38	0 57	19 40	0 30	22 30	1 11	8 30	0 45	1 37	2 1	32 27	11 59	6 44	6 7	16 43			n.a.
M13	22 46	16 17	1 52	23 42	0 10	21 48	0 53	24 37	0 57	19 43	0 30	22 31	1 11	8 29	0 45	1 37	2 1	32 27	11 59	6 46	6 8	16 46			n.a.
T 14	22 39	10 43	0 45	23 55	0 19	22 0	0 50	24 35	0 58	19 46	0 30	22 32	1 11	8 28	0 44	1 37	2 1	32 26	11 59	6 47	6 10	16 49			n.a.
W15	22 31	4 52	0s22	24 6	0 27	22 11	0 47	24 33	0 58	19 48	0 30	22 33	1 11	8 27	0 44	1 37	2 1	32 26	11 59	6 47	6 11	16 52			n.a.
T 16	22 22	1s 1	1 26	24 17	0 34	22 22	0 44	24 30	0 58	19 51	0 30	22 34	1 11	8 26	0 44	1 37	2 1	32 26	11 59	6 47	6 12	16 55			n.a.
F 17	22 13	6 45	2 26	24 27	0 42	22 32	0 41	24 28	0 59	19 53	0 30	22 35	1 11	8 25	0 44	1 37	2 1	32 25	11 59	6 47	6 13	16 58			n.a.
S 18	22 4	12 12	3 19	24 35	0 49	22 41	0 38	24 25	0 59	19 56	0 30	22 36	1 12	8 24	0 44	1 37	2 1	32 25	11 59	6 46	6 15	17 1			n.a.
S 19	21 54	17 10	4 3	24 43	0 56	22 50	0 35	24 22	0 59	19 58	0 30	22 37	1 12	8 23	0 44	1 37	2 1	32 24	11 59	6 47	6 16	17 3			n.a.
M20	21 44	21 31	4 36	24 49	1 2	22 58	0 32	24 18	1 0	20 0	0 30	22 38	1 12	8 22	0 44	1 37	2 1	32 24	11 59	6 48	6 17	17 6			n.a.
T 21	21 34	25 2	4 58	24 54	1 9	23 5	0 29	24 14	1 0	20 3	0 30	22 39	1 12	8 21	0 44	1 37	2 1	32 24	11 59	6 50	6 18	17 9			n.a.
W22	21 23	27 28	5 7	24 57	1 15	23 12	0 26	24 10	1 0	20 5	0 30	22 40	1 12	8 20	0 44	1 37	2 1	32 23	11 59	6 53	6 20	17 12			n.a.
T 23	21 11	28 38	5 2	24 59	1 21	23 18	0 23	24 6	1 1	20 7	0 29	22 41	1 12	8 19	0 44	1 36	2 1	32 23	11 59	6 56	6 21	17 15			n.a.
F 24	21 0	28 20	4 42	25 0	1 26	23 24	0 20	24 1	1 1	20 9	0 29	22 42	1 12	8 18	0 44	1 36	2 2	32 23	11 59	6 59	6 22	17 18			n.a.
S 25	20 47	26 30	4 7	24 59	1 31	23 28	0 17	23 56	1 1	20 12	0 29	22 43	1 12	8 17	0 44	1 36	2 2	32 22	11 59	7 2	6 23	17 20			n.a.
S 26	20 35	23 12	3 19	24 57	1 36	23 32	0 14	23 51	1 2	20 14	0 29	22 43	1 12	8 16	0 44	1 36	2 2	32 22	11 59	7 5	6 24	17 23			n.a.
M27	20 22	18 37	2 19	24 54	1 41	23 35	0 11	23 46	1 2	20 16	0 29	22 44	1 12	8 15	0 44	1 36	2 2	32 22	11 59	7 7	6 26	17 26			n.a.
T 28	20 9	13 2	1 10	24 48	1 45	23 38	0 8	23 40	1 2	20 18	0 29	22 45	1 13	8 14	0 44	1 36	2 2	32 21	11 59	7 8	6 27	17 29			n.a.
W29	19 55	6 44	0n 5	24 41	1 49	23 40	0 5	23 34	1 3	20 20	0 29	22 46	1 13	8 13	0 44	1 35	2 2	32 21	11 59	7 8	6 28	17 32			n.a.
T 30	19 41	0 5	1 19	24 33	1 52	23 41	0 3	23 27	1 3	20 22	0 29	22 47	1 13	8 12	0 44	1 35	2 2	32 21	11 59	7 8	6 29	17 34			n.a.
F 31	19s27	6n38	2n30	24s23	1s55	23s41	0s 0	23s21	1s 3	20s24	0n29	22n48	1n13	8s11	0s44	1s35	2n 2	32s20	11s59	7s 7	6s31	17s37			n.a.

Julian Day Number = 1475244.5, Delta T = 05h27m27s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'55, Lahiri = -13°15'55 Julian Calendar 1 Jan. 674 BCE == Greg. Calendar 25 Dec. 675 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

FEBRUARY 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 13 47	5♒19'44	24♈55	20♑ 8	6♑14	20♑30	2♐16	23°R57	11♓10	8°R34	29♑ 3	12♓ 6	13♓37	6♏18	n.a.	S 1
S 2	8 17 43	6°19'41	9♉ 4	21°48	7°27	21°17	2°25	23♋52	11°13	8♎33	29° 4	12°R 7	13°34	6°25	n.a.	S 2
M 3	8 21 40	7°19'35	23°15	23°29	8°41	22° 4	2°35	23°48	11°16	8°33	29° 6	12° 6	13°30	6°31	n.a.	M 3
T 4	8 25 36	8°19'26	7♊26	25°12	9°54	22°52	2°44	23°43	11°19	8°32	29° 8	12° 3	13°27	6°38	n.a.	T 4
W 5	8 29 33	9°19'16	21°33	26°55	11° 8	23°39	2°53	23°39	11°22	8°32	29° 9	11°59	13°24	6°45	n.a.	W 5
T 6	8 33 29	10°19'03	5♋35	28°40	12°22	24°26	3° 2	23°34	11°25	8°31	29°11	11°54	13°21	6°52	n.a.	T 6
F 7	8 37 26	11°18'47	19°26	0♒26	13°35	25°13	3°11	23°30	11°28	8°30	29°13	11°49	13°18	6°58	n.a.	F 7
S 8	8 41 23	12°18'30	3♌ 4	2°13	14°49	26° 0	3°20	23°25	11°31	8°30	29°14	11°45	13°15	7° 5	n.a.	S 8
S 9	8 45 19	13°18'10	16°26	4° 1	16° 2	26°47	3°28	23°21	11°34	8°29	29°16	11°42	13°11	7°12	n.a.	S 9
M10	8 49 16	14°17'48	29°30	5°50	17°16	27°34	3°37	23°16	11°37	8°28	29°17	11°40	13° 8	7°18	n.a.	M10
T 11	8 53 12	15°17'24	12♍17	7°41	18°29	28°21	3°45	23°12	11°40	8°27	29°19	11°D39	13° 5	7°25	n.a.	T 11
W12	8 57 9	16°16'58	24°46	9°33	19°43	29° 8	3°53	23° 8	11°43	8°26	29°21	11°40	13° 2	7°32	n.a.	W12
T 13	9 1 5	17°16'30	7♎ 0	11°26	20°56	29°55	4° 1	23° 4	11°47	8°26	29°22	11°41	12°59	7°38	n.a.	T 13
F 14	9 5 2	18°16'00	19° 2	13°20	22°10	0♒42	4° 9	23° 0	11°50	8°25	29°24	11°43	12°55	7°45	n.a.	F 14
S 15	9 8 58	19°15'28	0♏57	15°15	23°24	1°29	4°17	22°56	11°53	8°24	29°26	11°44	12°52	7°52	n.a.	S 15
S 16	9 12 55	20°14'54	12°49	17°12	24°37	2°16	4°25	22°52	11°56	8°23	29°27	11°45	12°49	7°59	n.a.	S 16
M17	9 16 52	21°14'18	24°42	19° 9	25°51	3° 3	4°33	22°48	11°59	8°22	29°29	11°R45	12°46	8° 5	n.a.	M17
T 18	9 20 48	22°13'41	6♐41	21° 8	27° 4	3°49	4°40	22°44	12° 3	8°21	29°30	11°45	12°43	8°12	n.a.	T 18
W19	9 24 45	23°13'01	18°52	23° 8	28°18	4°36	4°47	22°40	12° 6	8°20	29°32	11°43	12°40	8°19	n.a.	W19
T 20	9 28 41	24°12'20	1♑18	25° 8	29°31	5°23	4°54	22°36	12° 9	8°19	29°33	11°41	12°36	8°25	n.a.	T 20
F 21	9 32 38	25°11'36	14° 1	27°10	0♒45	6°10	5° 1	22°33	12°13	8°18	29°35	11°38	12°33	8°32	n.a.	F 21
S 22	9 36 34	26°10'51	27° 5	29°12	1°59	6°57	5° 8	22°29	12°16	8°17	29°36	11°36	12°30	8°39	n.a.	S 22
S 23	9 40 31	27°10'04	10♒30	1♓14	3°12	7°44	5°15	22°25	12°19	8°16	29°38	11°34	12°27	8°45	n.a.	S 23
M24	9 44 27	28° 9'14	24°14	3°17	4°26	8°30	5°22	22°22	12°23	8°15	29°39	11°33	12°24	8°52	n.a.	M24
T 25	9 48 24	29° 8'22	8♓15	5°20	5°39	9°17	5°28	22°19	12°26	8°13	29°41	11°D33	12°21	8°59	n.a.	T 25
W26	9 52 21	0♓ 7'28	22°29	7°23	6°53	10° 4	5°34	22°15	12°29	8°12	29°42	11°33	12°17	9° 6	n.a.	W26
T 27	9 56 17	1° 6'32	6♈52	9°25	8° 7	10°50	5°40	22°12	12°33	8°11	29°44	11°33	12°14	9°12	n.a.	T 27
F 28	10 0 14	2♓ 5'34	21♈18	11♓27	9♒20	11♒37	5♐46	22♋ 9	12♓36	8♎10	29♑45	11♓34	12♓11	9♏19	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s12	13n 4	3n32	24s11	1s58	23s41	0s 3	23s14	1s 3	20s26	0n29	22n49	1n13	8s 9	0s44	1s35	2n 2	32s20	11s59	7s 7	6s32	17s40		n.a.
S 2	18 57	18 50	4 21	23 58	2 0	23 40	0 6	23 7	1 4	20 28	0 29	22 50	1 13	8 8	0 44	1 34	2 2	32 20	11 59	7 7	6 33	17 43		n.a.
M 3	18 42	23 36	4 55	23 42	2 2	23 38	0 9	23 0	1 4	20 30	0 29	22 51	1 13	8 7	0 44	1 34	2 2	32 19	11 59	7 7	6 34	17 46		n.a.
T 4	18 26	26 58	5 10	23 25	2 3	23 36	0 12	22 52	1 4	20 32	0 29	22 52	1 13	8 6	0 44	1 34	2 2	32 19	11 59	7 8	6 36	17 48		n.a.
W 5	18 10	28 37	5 7	23 6	2 4	23 33	0 14	22 44	1 5	20 33	0 29	22 53	1 13	8 5	0 44	1 34	2 2	32 19	11 59	7 10	6 37	17 51		n.a.
T 6	17 54	28 25	4 46	22 45	2 5	23 29	0 17	22 36	1 5	20 35	0 29	22 53	1 13	8 4	0 44	1 33	2 2	32 19	12 0	7 12	6 38	17 54		n.a.
F 7	17 38	26 26	4 7	22 23	2 5	23 24	0 20	22 28	1 5	20 37	0 29	22 54	1 13	8 2	0 44	1 33	2 2	32 18	12 0	7 14	6 39	17 57		n.a.
S 8	17 21	22 55	3 15	21 58	2 5	23 19	0 23	22 19	1 5	20 39	0 29	22 55	1 13	8 1	0 44	1 33	2 2	32 18	12 0	7 15	6 41	17 59		n.a.
S 9	17 4	18 15	2 14	21 32	2 4	23 13	0 25	22 10	1 5	20 40	0 29	22 56	1 13	8 0	0 44	1 32	2 3	32 18	12 0	7 17	6 42	18 2		n.a.
M10	16 46	12 50	1 6	21 4	2 3	23 6	0 28	22 1	1 6	20 42	0 29	22 57	1 13	7 59	0 44	1 32	2 3	32 17	12 0	7 17	6 43	18 5		n.a.
T 11	16 29	7 0	0s 3	20 33	2 1	22 59	0 30	21 52	1 6	20 44	0 29	22 57	1 13	7 57	0 44	1 31	2 3	32 17	12 0	7 18	6 44	18 8		n.a.
W12	16 11	1 1	1 11	20 1	1 59	22 51	0 33	21 42	1 6	20 45	0 29	22 58	1 13	7 56	0 44	1 31	2 3	32 17	12 0	7 17	6 46	18 10		n.a.
T 13	15 53	4s52	2 15	19 27	1 56	22 42	0 35	21 32	1 6	20 47	0 29	22 59	1 13	7 55	0 44	1 31	2 3	32 17	12 0	7 17	6 47	18 13		n.a.
F 14	15 34	10 30	3 11	18 51	1 53	22 33	0 38	21 22	1 6	20 48	0 29	23 0	1 13	7 54	0 44	1 30	2 3	32 16	12 0	7 16	6 48	18 16		n.a.
S 15	15 15	15 41	3 59	18 13	1 49	22 23	0 40	21 12	1 7	20 50	0 29	23 0	1 13	7 52	0 44	1 30	2 3	32 16	12 1	7 16	6 49	18 18		n.a.
S 16	14 57	20 16	4 36	17 33	1 44	22 12	0 43	21 1	1 7	20 51	0 29	23 1	1 14	7 51	0 44	1 29	2 3	32 16	12 1	7 15	6 50	18 21		n.a.
M17	14 37	24 4	5 1	16 51	1 39	22 1	0 45	20 50	1 7	20 53	0 29	23 2	1 14	7 50	0 44	1 29	2 3	32 16	12 1	7 15	6 52	18 24		n.a.
T 18	14 18	26 53	5 14	16 8	1 34	21 49	0 47	20 39	1 7	20 54	0 29	23 2	1 14	7 49	0 44	1 29	2 3	32 16	12 1	7 15	6 53	18 27		n.a.
W19	13 58	28 30	5 13	15 22	1 27	21 36	0 49	20 28	1 7	20 56	0 29	23 3	1 14	7 47	0 44	1 28	2 3	32 15	12 1	7 16	6 54	18 29		n.a.
T 20	13 38	28 43	4 57	14 35	1 21	21 23	0 52	20 17	1 7	20 57	0 28	23 4	1 14	7 46	0 44	1 28	2 3	32 15	12 1	7 17	6 55	18 32		n.a.
F 21	13 18	27 27	4 26	13 46	1 13	21 9	0 54	20 5	1 8	20 58	0 28	23 4	1 14	7 45	0 44	1 27	2 3	32 15	12 2	7 18	6 57	18 35		n.a.
S 22	12 58	24 39	3 41	12 56	1 5	20 54	0 56	19 53	1 8	21 0	0 28	23 5	1 14	7 44	0 44	1 27	2 3	32 15	12 2	7 19	6 58	18 37		n.a.
S 23	12 38	20 28	2 43	12 4	0 57	20 39	0 58	19 41	1 8	21 1	0 28	23 6	1 14	7 42	0 44	1 26	2 3	32 15	12 2	7 19	6 59	18 40		n.a.
M24	12 17	15 7	1 34	11 11	0 48	20 23	1 0	19 29	1 8	21 2	0 28	23 6	1 14	7 41	0 44	1 26	2 3	32 14	12 2	7 20	7 0	18 43		n.a.
T 25	11 56	8 52	0 18	10 17	0 38	20 7	1 2	19 17	1 8	21 3	0 28	23 7	1 14	7 40	0 44	1 25	2 3	32 14	12 2	7 20	7 2	18 45		n.a.
W26	11 35	2 6	1n 0	9 21	0 28	19 50	1 3	19 4	1 8	21 4	0 28	23 7	1 14	7 38	0 44	1 25	2 3	32 14	12 2	7 20	7 3	18 48		n.a.
T 27	11 14	4n50	2 16	8 25	0 18	19 33	1 5	18 51	1 8	21 6	0 28	23 8	1 14	7 37	0 44	1 24	2 3	32 14	12 3	7 20	7 4	18 51		n.a.
F 28	10s53	11n33	3n23	7s29	0s 7	19s15	1s 7	18s38	1s 8	21s 7	0n28	23n 8	1n14	7s36	0s44	1s24	2n 4	32s14	12s 3	7s19	7s 5	18s53		n.a.

Julian Day Number = 1475275.5, Delta T = 05h27m26s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'51, Lahiri = -13°15'51 Julian Calendar 1 Feb. 674 BCE == Greg. Calendar 25 Jan. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

MARCH 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 4 10	3♓ 4'33	5♉43	13♓27	10♒34	12♒24	5♐52	22°R 6	12♓39	8°R 9	29♑47	11♓35	12♓ 8	9♏26	n.a.	S 1
S 2	10 8 7	4° 3'29	20° 3	15°26	11°47	13°10	5°58	22♋ 3	12°43	8♎ 7	29°48	11°35	12° 5	9°32	n.a.	S 2
M 3	10 12 3	5° 2'23	4♊15	17°24	13° 1	13°57	6° 3	22° 0	12°46	8° 6	29°50	11°R36	12° 1	9°39	n.a.	M 3
T 4	10 16 0	6° 1'15	18°18	19°19	14°14	14°43	6° 8	21°57	12°50	8° 5	29°51	11°35	11°58	9°46	n.a.	T 4
W 5	10 19 56	7° 0'05	2♋ 8	21°11	15°28	15°30	6°14	21°55	12°53	8° 3	29°52	11°35	11°55	9°52	n.a.	W 5
T 6	10 23 53	7°58'52	15°46	23° 1	16°42	16°16	6°19	21°52	12°56	8° 2	29°54	11°35	11°52	9°59	n.a.	T 6
F 7	10 27 49	8°57'36	29°11	24°47	17°55	17° 2	6°23	21°49	13° 0	8° 1	29°55	11°34	11°49	10° 6	n.a.	F 7
S 8	10 31 46	9°56'19	12♌22	26°30	19° 9	17°49	6°28	21°47	13° 3	7°59	29°57	11°34	11°46	10°13	n.a.	S 8
S 9	10 35 43	10°54'59	25°20	28° 9	20°22	18°35	6°32	21°45	13° 7	7°58	29°58	11°34	11°42	10°19	n.a.	S 9
M10	10 39 39	11°53'37	8♍ 4	29°43	21°36	19°21	6°37	21°42	13°10	7°57	29°59	11°34	11°39	10°26	n.a.	M10
T 11	10 43 36	12°52'12	20°35	1♈13	22°49	20° 8	6°41	21°40	13°13	7°55	0♒ 0	11°34	11°36	10°33	n.a.	T 11
W12	10 47 32	13°50'46	2♎54	2°39	24° 3	20°54	6°45	21°38	13°17	7°54	0° 2	11°34	11°33	10°39	n.a.	W12
T 13	10 51 29	14°49'18	15° 3	4° 0	25°16	21°40	6°49	21°36	13°20	7°52	0° 3	11°34	11°30	10°46	n.a.	T 13
F 14	10 55 25	15°47'47	27° 3	5°15	26°30	22°26	6°52	21°34	13°24	7°51	0° 4	11°33	11°26	10°53	n.a.	F 14
S 15	10 59 22	16°46'15	8♏57	6°26	27°43	23°12	6°56	21°33	13°27	7°49	0° 5	11°32	11°23	10°59	n.a.	S 15
S 16	11 3 18	17°44'42	20°49	7°31	28°57	23°58	6°59	21°31	13°31	7°48	0° 7	11°32	11°20	11° 6	n.a.	S 16
M17	11 7 15	18°43'06	2♐42	8°31	0♓10	24°44	7° 2	21°29	13°34	7°46	0° 8	11°31	11°17	11°13	n.a.	M17
T 18	11 11 11	19°41'29	14°41	9°25	1°24	25°30	7° 5	21°28	13°37	7°45	0° 9	11°D31	11°14	11°20	n.a.	T 18
W19	11 15 8	20°39'50	26°50	10°14	2°37	26°16	7° 8	21°27	13°41	7°43	0°10	11°31	11°11	11°26	n.a.	W19
T 20	11 19 5	21°38'10	9♑14	10°57	3°51	27° 2	7°10	21°25	13°44	7°42	0°11	11°31	11° 7	11°33	n.a.	T 20
F 21	11 23 1	22°36'28	21°57	11°34	5° 5	27°48	7°12	21°24	13°48	7°40	0°13	11°32	11° 4	11°40	n.a.	F 21
S 22	11 26 58	23°34'44	5♒ 1	12° 6	6°18	28°34	7°15	21°23	13°51	7°39	0°14	11°33	11° 1	11°46	n.a.	S 22
S 23	11 30 54	24°32'58	18°30	12°32	7°32	29°20	7°17	21°22	13°54	7°37	0°15	11°34	10°58	11°53	n.a.	S 23
M24	11 34 51	25°31'11	2♓24	12°52	8°45	0♓ 5	7°18	21°21	13°58	7°36	0°16	11°35	10°55	12° 0	n.a.	M24
T 25	11 38 47	26°29'22	16°41	13° 6	9°59	0°51	7°20	21°21	14° 1	7°34	0°17	11°R35	10°52	12° 7	n.a.	T 25
W26	11 42 44	27°27'31	1♈17	13°15	11°12	1°37	7°21	21°20	14° 4	7°32	0°18	11°34	10°48	12°13	n.a.	W26
T 27	11 46 40	28°25'38	16° 5	13°R18	12°26	2°22	7°23	21°20	14° 8	7°31	0°19	11°33	10°45	12°20	n.a.	T 27
F 28	11 50 37	29°23'43	0♉58	13°16	13°39	3° 8	7°24	21°19	14°11	7°29	0°20	11°31	10°42	12°27	n.a.	F 28
S 29	11 54 34	0♈21'47	15°48	13° 9	14°53	3°54	7°25	21°19	14°14	7°28	0°21	11°28	10°39	12°33	n.a.	S 29
S 30	11 58 30	1°19'48	0♊27	12°57	16° 6	4°39	7°25	21°19	14°18	7°26	0°22	11°26	10°36	12°40	n.a.	S 30
M31	12 2 27	2♈17'48	14♊52	12♈40	17♓20	5♓24	7♐26	21°D19	14♓21	7♎24	0♒23	11♓24	10♓32	12♏47	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s31	17n38	4n17	6s32	0n 4	18s56	1s 9	18s25	1s 8	21s 8	0n28	23n 9	1n14	7s34	0s44	1s23	2n 4	32s14	12s 3	7s19	7s 6	18s56		n.a.
S 2	10 10	22 44	4 55	5 35	0 16	18 37	1 10	18 12	1 9	21 9	0 28	23 9	1 14	7 33	0 44	1 23	2 4	32 14	12 3	7 19	7 8	18 59		n.a.
M 3	9 48	26 26	5 14	4 38	0 27	18 17	1 12	17 58	1 9	21 10	0 28	23 10	1 14	7 32	0 44	1 22	2 4	32 13	12 3	7 19	7 9	19 1		n.a.
T 4	9 26	28 29	5 15	3 41	0 39	17 57	1 13	17 45	1 9	21 11	0 28	23 10	1 14	7 30	0 44	1 22	2 4	32 13	12 4	7 19	7 10	19 4		n.a.
W 5	9 4	28 42	4 57	2 45	0 51	17 37	1 15	17 31	1 9	21 12	0 28	23 11	1 14	7 29	0 43	1 21	2 4	32 13	12 4	7 19	7 11	19 7		n.a.
T 6	8 42	27 10	4 22	1 51	1 3	17 16	1 16	17 17	1 9	21 13	0 28	23 11	1 14	7 28	0 43	1 20	2 4	32 13	12 4	7 19	7 13	19 9		n.a.
F 7	8 19	24 6	3 34	0 57	1 15	16 54	1 17	17 2	1 9	21 13	0 28	23 12	1 14	7 26	0 43	1 20	2 4	32 13	12 4	7 19	7 14	19 12		n.a.
S 8	7 57	19 48	2 35	0 5	1 27	16 32	1 18	16 48	1 9	21 14	0 28	23 12	1 14	7 25	0 43	1 19	2 4	32 13	12 4	7 19	7 15	19 15		n.a.
S 9	7 35	14 39	1 29	0n45	1 38	16 10	1 20	16 34	1 9	21 15	0 28	23 12	1 14	7 24	0 43	1 19	2 4	32 13	12 5	7 19	7 16	19 17		n.a.
M10	7 12	8 58	0 19	1 33	1 49	15 47	1 21	16 19	1 9	21 16	0 28	23 13	1 14	7 22	0 43	1 18	2 4	32 13	12 5	7 19	7 17	19 20		n.a.
T 11	6 49	3 1	0s50	2 19	1 59	15 23	1 22	16 4	1 9	21 17	0 28	23 13	1 14	7 21	0 43	1 17	2 4	32 13	12 5	7 19	7 19	19 22		n.a.
W12	6 26	2s56	1 56	3 3	2 9	15 0	1 23	15 49	1 9	21 17	0 28	23 13	1 14	7 20	0 43	1 17	2 4	32 13	12 5	7 20	7 20	19 25		n.a.
T 13	6 4	8 42	2 55	3 44	2 19	14 35	1 24	15 34	1 9	21 18	0 28	23 14	1 14	7 18	0 43	1 16	2 4	32 13	12 6	7 20	7 21	19 28		n.a.
F 14	5 41	14 4	3 46	4 22	2 28	14 11	1 24	15 19	1 9	21 19	0 28	23 14	1 14	7 17	0 43	1 16	2 4	32 12	12 6	7 20	7 22	19 30		n.a.
S 15	5 18	18 53	4 27	4 58	2 36	13 46	1 25	15 3	1 9	21 19	0 28	23 14	1 14	7 16	0 43	1 15	2 4	32 12	12 6	7 20	7 24	19 33		n.a.
S 16	4 55	22 58	4 56	5 31	2 43	13 21	1 26	14 48	1 9	21 20	0 28	23 14	1 14	7 14	0 43	1 14	2 4	32 12	12 6	7 20	7 25	19 35		n.a.
M17	4 31	26 6	5 13	6 1	2 49	12 55	1 27	14 32	1 9	21 20	0 28	23 15	1 13	7 13	0 43	1 14	2 4	32 12	12 7	7 21	7 26	19 38		n.a.
T 18	4 8	28 7	5 16	6 28	2 55	12 29	1 27	14 17	1 9	21 21	0 28	23 15	1 13	7 12	0 43	1 13	2 4	32 12	12 7	7 21	7 27	19 40		n.a.
W19	3 45	28 50	5 5	6 51	3 0	12 3	1 28	14 1	1 9	21 21	0 27	23 15	1 13	7 10	0 43	1 13	2 4	32 12	12 7	7 21	7 29	19 43		n.a.
T 20	3 22	28 7	4 41	7 12	3 3	11 36	1 28	13 45	1 9	21 22	0 27	23 15	1 13	7 9	0 43	1 12	2 4	32 12	12 8	7 21	7 30	19 46		n.a.
F 21	2 58	25 56	4 1	7 29	3 6	11 9	1 29	13 29	1 9	21 22	0 27	23 15	1 13	7 8	0 43	1 11	2 4	32 12	12 8	7 20	7 31	19 48		n.a.
S 22	2 35	22 20	3 9	7 43	3 7	10 42	1 29	13 12	1 9	21 23	0 27	23 16	1 13	7 6	0 43	1 11	2 4	32 12	12 8	7 20	7 32	19 51		n.a.
S 23	2 12	17 28	2 4	7 53	3 7	10 14	1 29	12 56	1 8	21 23	0 27	23 16	1 13	7 5	0 43	1 10	2 4	32 12	12 8	7 19	7 33	19 53		n.a.
M24	1 48	11 33	0 51	8 0	3 6	9 47	1 29	12 40	1 8	21 23	0 27	23 16	1 13	7 4	0 43	1 9	2 4	32 12	12 9	7 19	7 35	19 56		n.a.
T 25	1 25	4 54	0n28	8 4	3 4	9 19	1 29	12 23	1 8	21 24	0 27	23 16	1 13	7 2	0 43	1 9	2 4	32 12	12 9	7 19	7 36	19 58		n.a.
W26	1 1	2n 8	1 47	8 4	3 1	8 50	1 29	12 7	1 8	21 24	0 27	23 16	1 13	7 1	0 43	1 8	2 4	32 12	12 9	7 19	7 37	20 1		n.a.
T 27	0 38	9 9	2 59	8 1	2 56	8 22	1 29	11 50	1 8	21 24	0 27	23 16	1 13	7 0	0 43	1 7	2 4	32 13	12 9	7 20	7 38	20 3		n.a.
F 28	0 15	15 42	4 0	7 55	2 50	7 53	1 29	11 33	1 8	21 25	0 27	23 16	1 13	6 59	0 44	1 7	2 4	32 13	12 10	7 21	7 40	20 6		n.a.
S 29	0n 9	21 19	4 44	7 45	2 43	7 24	1 29	11 16	1 8	21 25	0 27	23 16	1 13	6 57	0 44	1 6	2 4	32 13	12 10	7 22	7 41	20 8		n.a.
S 30	0 32	25 34	5 9	7 32	2 34	6 55	1 29	10 59	1 8	21 25	0 27	23 16	1 13	6 56	0 44	1 5	2 4	32 13	12 10	7 23	7 42	20 11		n.a.
M31	0n56	28n 7	5n14	7n17	2n24	6s26	1s29	10s42	1s 8	21s25	0n27	23n16	1n13	6s55	0s44	1s 5	2n 4	32s13	12s11	7s23	7s43	20s13		n.a.

Julian Day Number = 1475303.5, Delta T = 05h27m24s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'47, Lahiri = -13°15'47 Julian Calendar 1 March 674 BCE == Greg. Calendar 22 Feb. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

APRIL 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 6 23	3♈15'45	28♊57	12°R18	18♓33	6♓10	7♐26	21♋19	14♓24	7°R23	0♒24	11°D24	10♓29	12♏53	n.a.	T 1
W 2	12 10 20	4°13'41	12♋43	11♈53	19°47	6°55	7°R26	21°19	14°28	7♎21	0°25	11♓24	10°26	13° 0	n.a.	W 2
T 3	12 14 16	5°11'34	26° 8	11°25	21° 0	7°40	7°26	21°19	14°31	7°19	0°25	11°25	10°23	13° 7	n.a.	T 3
F 4	12 18 13	6° 9'26	9♌16	10°54	22°14	8°26	7°26	21°19	14°34	7°18	0°26	11°26	10°20	13°14	n.a.	F 4
S 5	12 22 9	7° 7'15	22° 7	10°20	23°27	9°11	7°25	21°20	14°37	7°16	0°27	11°28	10°17	13°20	n.a.	S 5
S 6	12 26 6	8° 5'03	4♍44	9°45	24°41	9°56	7°25	21°20	14°41	7°15	0°28	11°29	10°13	13°27	n.a.	S 6
M 7	12 30 3	9° 2'49	17°10	9° 9	25°54	10°41	7°24	21°21	14°44	7°13	0°29	11°R29	10°10	13°34	n.a.	M 7
T 8	12 33 59	10° 0'33	29°25	8°32	27° 8	11°26	7°23	21°22	14°47	7°11	0°29	11°28	10° 7	13°40	n.a.	T 8
W 9	12 37 56	10°58'16	11♎32	7°56	28°21	12°11	7°22	21°22	14°50	7°10	0°30	11°25	10° 4	13°47	n.a.	W 9
T 10	12 41 52	11°55'57	23°33	7°20	29°35	12°56	7°20	21°23	14°53	7° 8	0°31	11°21	10° 1	13°54	n.a.	T 10
F 11	12 45 49	12°53'37	5♏29	6°46	0♈48	13°41	7°19	21°24	14°56	7° 6	0°31	11°16	9°58	14° 1	n.a.	F 11
S 12	12 49 45	13°51'16	17°21	6°15	2° 2	14°26	7°17	21°25	15° 0	7° 5	0°32	11°10	9°54	14° 7	n.a.	S 12
S 13	12 53 42	14°48'53	29°13	5°45	3°15	15°10	7°15	21°27	15° 3	7° 3	0°33	11° 4	9°51	14°14	n.a.	S 13
M14	12 57 38	15°46'29	11♐ 7	5°19	4°29	15°55	7°13	21°28	15° 6	7° 2	0°33	10°59	9°48	14°21	n.a.	M14
T 15	13 1 35	16°44'04	23° 6	4°56	5°42	16°40	7°10	21°30	15° 9	7° 0	0°34	10°55	9°45	14°27	n.a.	T 15
W16	13 5 32	17°41'38	5♑14	4°37	6°56	17°25	7° 8	21°31	15°12	6°58	0°35	10°53	9°42	14°34	n.a.	W16
T 17	13 9 28	18°39'10	17°35	4°22	8° 9	18° 9	7° 5	21°33	15°15	6°57	0°35	10°D52	9°38	14°41	n.a.	T 17
F 18	13 13 25	19°36'42	0♒13	4°11	9°23	18°54	7° 2	21°34	15°18	6°55	0°36	10°52	9°35	14°48	n.a.	F 18
S 19	13 17 21	20°34'13	13°14	4° 5	10°36	19°38	6°59	21°36	15°21	6°54	0°36	10°54	9°32	14°54	n.a.	S 19
S 20	13 21 18	21°31'43	26°39	4°D 3	11°50	20°23	6°56	21°38	15°24	6°52	0°37	10°55	9°29	15° 1	n.a.	S 20
M21	13 25 14	22°29'11	10♓32	4° 5	13° 3	21° 7	6°53	21°40	15°26	6°51	0°37	10°R56	9°26	15° 8	n.a.	M21
T 22	13 29 11	23°26'39	24°52	4°12	14°17	21°51	6°49	21°42	15°29	6°49	0°38	10°55	9°23	15°14	n.a.	T 22
W23	13 33 7	24°24'06	9♈36	4°24	15°31	22°35	6°46	21°45	15°32	6°47	0°38	10°52	9°19	15°21	n.a.	W23
T 24	13 37 4	25°21'31	24°38	4°40	16°44	23°20	6°42	21°47	15°35	6°46	0°38	10°48	9°16	15°28	n.a.	T 24
F 25	13 41 1	26°18'56	9♉50	5° 0	17°58	24° 4	6°38	21°50	15°38	6°44	0°39	10°42	9°13	15°34	n.a.	F 25
S 26	13 44 57	27°16'19	25° 0	5°25	19°11	24°48	6°33	21°52	15°41	6°43	0°39	10°35	9°10	15°41	n.a.	S 26
S 27	13 48 54	28°13'42	10♊ 0	5°54	20°25	25°32	6°29	21°55	15°43	6°41	0°39	10°28	9° 7	15°48	n.a.	S 27
M28	13 52 50	29°11'03	24°40	6°27	21°38	26°16	6°24	21°57	15°46	6°40	0°40	10°23	9° 3	15°55	n.a.	M28
T 29	13 56 47	0♉ 8'23	8♋56	7° 4	22°52	27° 0	6°20	22° 0	15°49	6°38	0°40	10°19	9° 0	16° 1	n.a.	T 29
W30	14 0 43	1♉ 5'42	22♋45	7♈45	24♈ 5	27♓44	6♐15	22♋ 3	15♓51	6♎37	0♒40	10♓17	8♓57	16♏ 8	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n19	28n47	5n 0	6n58	2n13	5s56	1s28	10s25	1s 7	21s25	0n27	23n16	1n13	6s53	0s44	1s 4	2n 4	32s13	12s11	7s23	7s44	20s16		n.a.
W 2	1 42	27 38	4 29	6 37	2 1	5 27	1 28	10 8	1 7	21 25	0 27	23 16	1 13	6 52	0 44	1 3	2 4	32 13	12 11	7 23	7 46	20 18		n.a.
T 3	2 5	24 53	3 44	6 13	1 48	4 57	1 27	9 51	1 7	21 25	0 27	23 16	1 13	6 51	0 44	1 3	2 4	32 13	12 12	7 23	7 47	20 21		n.a.
F 4	2 29	20 53	2 48	5 48	1 33	4 27	1 27	9 33	1 7	21 25	0 27	23 16	1 13	6 50	0 44	1 2	2 4	32 13	12 12	7 22	7 48	20 23		n.a.
S 5	2 52	15 59	1 44	5 21	1 18	3 57	1 26	9 16	1 7	21 25	0 27	23 16	1 13	6 48	0 44	1 1	2 4	32 13	12 12	7 22	7 49	20 26		n.a.
S 6	3 15	10 29	0 37	4 52	1 3	3 27	1 26	8 59	1 7	21 25	0 27	23 15	1 13	6 47	0 44	1 1	2 4	32 13	12 13	7 21	7 50	20 28		n.a.
M 7	3 38	4 40	0s31	4 23	0 46	2 57	1 25	8 41	1 6	21 25	0 27	23 15	1 13	6 46	0 44	1 0	2 4	32 13	12 13	7 21	7 52	20 31		n.a.
T 8	4 1	1s14	1 37	3 53	0 30	2 26	1 24	8 24	1 6	21 25	0 26	23 15	1 13	6 45	0 44	1 0	2 4	32 14	12 13	7 22	7 53	20 33		n.a.
W 9	4 24	7 2	2 37	3 23	0 13	1 56	1 23	8 6	1 6	21 25	0 26	23 15	1 13	6 43	0 44	0 59	2 4	32 14	12 14	7 23	7 54	20 36		n.a.
T 10	4 47	12 31	3 30	2 53	0s 4	1 25	1 22	7 48	1 6	21 25	0 26	23 15	1 13	6 42	0 44	0 58	2 4	32 14	12 14	7 25	7 55	20 38		n.a.
F 11	5 10	17 30	4 13	2 24	0 21	0 55	1 21	7 31	1 6	21 24	0 26	23 15	1 13	6 41	0 44	0 58	2 4	32 14	12 14	7 27	7 57	20 41		n.a.
S 12	5 32	21 48	4 45	1 56	0 38	0 24	1 20	7 13	1 5	21 24	0 26	23 14	1 13	6 40	0 44	0 57	2 4	32 14	12 14	7 29	7 58	20 43		n.a.
S 13	5 55	25 13	5 4	1 29	0 54	0n 6	1 19	6 55	1 5	21 24	0 26	23 14	1 12	6 39	0 44	0 56	2 4	32 14	12 15	7 31	7 59	20 45		n.a.
M14	6 18	27 33	5 11	1 4	1 10	0 37	1 18	6 37	1 5	21 24	0 26	23 14	1 12	6 37	0 44	0 56	2 4	32 15	12 15	7 33	8 0	20 48		n.a.
T 15	6 40	28 39	5 4	0 41	1 26	1 7	1 17	6 20	1 5	21 23	0 26	23 14	1 12	6 36	0 44	0 55	2 4	32 15	12 15	7 34	8 1	20 50		n.a.
W16	7 2	28 24	4 44	0 20	1 40	1 38	1 16	6 2	1 4	21 23	0 26	23 13	1 12	6 35	0 44	0 54	2 4	32 15	12 16	7 35	8 3	20 53		n.a.
T 17	7 25	26 44	4 10	0 2	1 54	2 9	1 14	5 44	1 4	21 23	0 26	23 13	1 12	6 34	0 44	0 54	2 4	32 15	12 16	7 36	8 4	20 55		n.a.
F 18	7 47	23 41	3 23	0s15	2 6	2 39	1 13	5 26	1 4	21 22	0 26	23 13	1 12	6 33	0 44	0 53	2 4	32 15	12 17	7 36	8 5	20 57		n.a.
S 19	8 9	19 24	2 25	0 28	2 18	3 10	1 12	5 8	1 4	21 22	0 26	23 12	1 12	6 32	0 44	0 53	2 4	32 16	12 17	7 35	8 6	21 0		n.a.
S 20	8 31	14 0	1 17	0 39	2 29	3 40	1 10	4 50	1 3	21 21	0 26	23 12	1 12	6 30	0 44	0 52	2 4	32 16	12 17	7 35	8 7	21 2		n.a.
M21	8 52	7 45	0 2	0 47	2 39	4 11	1 9	4 32	1 3	21 21	0 26	23 12	1 12	6 29	0 44	0 51	2 4	32 16	12 18	7 34	8 9	21 5		n.a.
T 22	9 14	0 56	1n15	0 52	2 48	4 41	1 7	4 14	1 3	21 20	0 25	23 11	1 12	6 28	0 44	0 51	2 4	32 16	12 18	7 35	8 10	21 7		n.a.
W23	9 35	6n 8	2 29	0 55	2 56	5 11	1 5	3 56	1 2	21 20	0 25	23 11	1 12	6 27	0 44	0 50	2 4	32 16	12 18	7 36	8 11	21 9		n.a.
T 24	9 57	12 59	3 34	0 55	3 3	5 41	1 4	3 38	1 2	21 19	0 25	23 10	1 12	6 26	0 44	0 50	2 4	32 17	12 19	7 37	8 12	21 12		n.a.
F 25	10 18	19 8	4 25	0 52	3 9	6 11	1 2	3 20	1 2	21 19	0 25	23 10	1 12	6 25	0 44	0 49	2 4	32 17	12 19	7 40	8 14	21 14		n.a.
S 26	10 39	24 4	4 56	0 47	3 14	6 41	1 0	3 2	1 2	21 18	0 25	23 9	1 12	6 24	0 44	0 48	2 4	32 17	12 19	7 42	8 15	21 17		n.a.
S 27	11 0	27 20	5 8	0 39	3 18	7 11	0 59	2 44	1 1	21 17	0 25	23 9	1 12	6 23	0 44	0 48	2 4	32 17	12 20	7 45	8 16	21 19		n.a.
M28	11 20	28 38	4 58	0 29	3 21	7 40	0 57	2 26	1 1	21 17	0 25	23 8	1 12	6 22	0 44	0 47	2 4	32 18	12 20	7 47	8 17	21 21		n.a.
T 29	11 41	27 58	4 30	0 16	3 23	8 10	0 55	2 8	1 1	21 16	0 25	23 8	1 12	6 21	0 44	0 47	2 4	32 18	12 20	7 48	8 18	21 24		n.a.
W30	12n 1	25n34	3n47	0s 1	3s25	8n39	0s53	1s50	1s 0	21s15	0n25	23n 7	1n12	6s20	0s44	0s46	2n 4	32s18	12s21	7s49	8s20	21s26		n.a.

Julian Day Number = 1475334.5, Delta T = 05h27m23s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'43, Lahiri = -13°15'43 Julian Calendar 1 Apr. 674 BCE == Greg. Calendar 25 March 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

MAY 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 4 40	2♉ 2'59	6♌ 9	8♈30	25♈19	28♓27	6°R10	22♋ 6	15♓54	6°R36	0♒40	10°D17	8♓54	16♏15	n.a.	T 1
F 2	14 8 36	3° 0'16	19° 9	9°19	26°32	29°11	6♐ 5	22° 9	15°57	6♎34	0°40	10♓17	8°51	16°21	n.a.	F 2
S 3	14 12 33	3°57'31	1♍50	10°11	27°46	29°55	5°59	22°12	15°59	6°33	0°41	10°18	8°48	16°28	n.a.	S 3
S 4	14 16 30	4°54'45	14°15	11° 7	28°59	0♈38	5°54	22°16	16° 2	6°31	0°41	10°R19	8°44	16°35	n.a.	S 4
M 5	14 20 26	5°51'58	26°27	12° 7	0♉13	1°22	5°48	22°19	16° 4	6°30	0°41	10°17	8°41	16°42	n.a.	M 5
T 6	14 24 23	6°49'10	8♎31	13°10	1°27	2° 5	5°43	22°23	16° 7	6°29	0°41	10°14	8°38	16°48	n.a.	T 6
W 7	14 28 19	7°46'21	20°30	14°16	2°40	2°49	5°37	22°26	16° 9	6°27	0°41	10° 8	8°35	16°55	n.a.	W 7
T 8	14 32 16	8°43'31	2♏24	15°26	3°54	3°32	5°31	22°30	16°11	6°26	0°41	9°59	8°32	17° 2	n.a.	T 8
F 9	14 36 12	9°40'41	14°16	16°38	5° 7	4°15	5°25	22°33	16°14	6°25	0°R41	9°49	8°29	17° 8	n.a.	F 9
S 10	14 40 9	10°37'50	26° 9	17°55	6°21	4°59	5°18	22°37	16°16	6°23	0°41	9°38	8°25	17°15	n.a.	S 10
S 11	14 44 5	11°34'59	8♐ 2	19°14	7°34	5°42	5°12	22°41	16°18	6°22	0°41	9°27	8°22	17°22	n.a.	S 11
M12	14 48 2	12°32'08	19°59	20°36	8°48	6°25	5° 6	22°45	16°21	6°21	0°41	9°16	8°19	17°29	n.a.	M12
T 13	14 51 59	13°29'16	2♑ 0	22° 1	10° 2	7° 8	4°59	22°49	16°23	6°20	0°41	9° 8	8°16	17°35	n.a.	T 13
W14	14 55 55	14°26'23	14°10	23°30	11°15	7°51	4°52	22°53	16°25	6°18	0°41	9° 1	8°13	17°42	n.a.	W14
T 15	14 59 52	15°23'31	26°32	25° 1	12°29	8°34	4°46	22°58	16°27	6°17	0°41	8°57	8° 9	17°49	n.a.	T 15
F 16	15 3 48	16°20'38	9♒ 8	26°36	13°42	9°17	4°39	23° 2	16°29	6°16	0°41	8°56	8° 6	17°55	n.a.	F 16
S 17	15 7 45	17°17'45	22° 4	28°13	14°56	10° 0	4°32	23° 6	16°31	6°15	0°40	8°D56	8° 3	18° 2	n.a.	S 17
S 18	15 11 41	18°14'52	5♓23	29°54	16°10	10°42	4°25	23°11	16°33	6°14	0°40	8°R56	8° 0	18° 9	n.a.	S 18
M19	15 15 38	19°11'59	19° 9	1♉37	17°23	11°25	4°18	23°15	16°35	6°13	0°40	8°56	7°57	18°16	n.a.	M19
T 20	15 19 34	20° 9'06	3♈22	3°23	18°37	12° 8	4°10	23°20	16°37	6°12	0°40	8°54	7°54	18°22	n.a.	T 20
W21	15 23 31	21° 6'13	18° 1	5°12	19°51	12°50	4° 3	23°24	16°39	6°11	0°39	8°49	7°50	18°29	n.a.	W21
T 22	15 27 28	22° 3'20	3♉ 3	7° 4	21° 4	13°33	3°56	23°29	16°41	6°10	0°39	8°42	7°47	18°36	n.a.	T 22
F 23	15 31 24	23° 0'27	18°18	8°58	22°18	14°15	3°48	23°34	16°43	6° 9	0°39	8°33	7°44	18°42	n.a.	F 23
S 24	15 35 21	23°57'34	3♊36	10°55	23°32	14°58	3°41	23°39	16°44	6° 8	0°38	8°23	7°41	18°49	n.a.	S 24
S 25	15 39 17	24°54'41	18°46	12°54	24°45	15°40	3°34	23°44	16°46	6° 7	0°38	8°13	7°38	18°56	n.a.	S 25
M26	15 43 14	25°51'47	3♋38	14°55	25°59	16°22	3°26	23°49	16°48	6° 6	0°38	8° 4	7°35	19° 3	n.a.	M26
T 27	15 47 10	26°48'54	18° 4	16°58	27°13	17° 4	3°18	23°54	16°50	6° 5	0°37	7°57	7°31	19° 9	n.a.	T 27
W28	15 51 7	27°46'00	2♌ 1	19° 3	28°26	17°46	3°11	23°59	16°51	6° 4	0°37	7°53	7°28	19°16	n.a.	W28
T 29	15 55 4	28°43'05	15°29	21°10	29°40	18°28	3° 3	24° 5	16°53	6° 3	0°36	7°51	7°25	19°23	n.a.	T 29
F 30	15 59 0	29°40'11	28°30	23°18	0♊54	19°10	2°56	24°10	16°54	6° 2	0°36	7°D51	7°22	19°30	n.a.	F 30
S 31	16 2 57	0♊37'16	11♍ 8	25♉26	2♊ 8	19♈52	2♐48	24♋15	16♓56	6♎ 2	0♒35	7°R51	7♓19	19♏36	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n21	21n47	2n53	0n17	3s25	9n 8	0s51	1s32	1s 0	21s14	0n25	23n 7	1n12	6s19	0s44	0s46	2n 4	32s19	12s21	7s49	8s21	21s28			n.a.
F 2	12 41	17 3	1 51	0 37	3 25	9 37	0 49	1 14	1 0	21 13	0 25	23 6	1 12	6 18	0 44	0 45	2 4	32 19	12 21	7 49	8 22	21 31			n.a.
S 3	13 1	11 41	0 45	0 59	3 24	10 6	0 47	0 56	0 59	21 13	0 24	23 6	1 12	6 17	0 44	0 44	2 4	32 19	12 22	7 49	8 23	21 33			n.a.
S 4	13 21	5 58	0s21	1 23	3 22	10 34	0 45	0 38	0 59	21 12	0 24	23 5	1 12	6 16	0 44	0 44	2 4	32 19	12 22	7 48	8 24	21 35			n.a.
M 5	13 40	0 7	1 25	1 49	3 19	11 2	0 43	0 20	0 58	21 11	0 24	23 5	1 12	6 15	0 44	0 43	2 4	32 20	12 22	7 49	8 26	21 38			n.a.
T 6	13 59	5s39	2 25	2 16	3 15	11 30	0 41	0 3	0 58	21 10	0 24	23 4	1 12	6 14	0 44	0 43	2 4	32 20	12 23	7 50	8 27	21 40			n.a.
W 7	14 18	11 9	3 18	2 46	3 11	11 58	0 39	0n15	0 58	21 9	0 24	23 3	1 11	6 13	0 44	0 42	2 4	32 20	12 23	7 53	8 28	21 42			n.a.
T 8	14 37	16 14	4 1	3 18	3 6	12 25	0 37	0 33	0 57	21 8	0 24	23 3	1 11	6 12	0 44	0 42	2 4	32 21	12 23	7 56	8 29	21 44			n.a.
F 9	14 55	20 42	4 34	3 51	3 1	12 52	0 35	0 51	0 57	21 7	0 24	23 2	1 11	6 11	0 44	0 41	2 4	32 21	12 24	8 0	8 30	21 47			n.a.
S 10	15 13	24 20	4 55	4 26	2 55	13 19	0 32	1 9	0 57	21 6	0 24	23 1	1 11	6 10	0 44	0 41	2 4	32 21	12 24	8 4	8 32	21 49			n.a.
S 11	15 31	26 56	5 3	5 3	2 48	13 46	0 30	1 26	0 56	21 5	0 24	23 1	1 11	6 9	0 44	0 40	2 4	32 22	12 24	8 8	8 33	21 51			n.a.
M12	15 49	28 20	4 58	5 41	2 41	14 12	0 28	1 44	0 56	21 4	0 23	23 0	1 11	6 9	0 44	0 40	2 4	32 22	12 25	8 12	8 34	21 54			n.a.
T 13	16 7	28 25	4 39	6 20	2 33	14 37	0 26	2 2	0 55	21 3	0 23	22 59	1 11	6 8	0 44	0 40	2 4	32 22	12 25	8 16	8 35	21 56			n.a.
W14	16 24	27 8	4 8	7 1	2 24	15 3	0 23	2 19	0 55	21 2	0 23	22 59	1 11	6 7	0 44	0 39	2 4	32 23	12 25	8 18	8 36	21 58			n.a.
T 15	16 41	24 30	3 25	7 43	2 16	15 28	0 21	2 37	0 54	21 1	0 23	22 58	1 11	6 6	0 44	0 39	2 4	32 23	12 26	8 19	8 38	22 0			n.a.
F 16	16 58	20 39	2 31	8 26	2 6	15 53	0 19	2 54	0 54	21 0	0 23	22 57	1 11	6 5	0 44	0 38	2 4	32 24	12 26	8 20	8 39	22 3			n.a.
S 17	17 14	15 45	1 28	9 11	1 57	16 17	0 16	3 12	0 54	20 58	0 23	22 56	1 11	6 4	0 44	0 38	2 3	32 24	12 27	8 20	8 40	22 5			n.a.
S 18	17 30	9 58	0 19	9 56	1 47	16 41	0 14	3 29	0 53	20 57	0 23	22 55	1 11	6 4	0 44	0 37	2 3	32 24	12 27	8 20	8 41	22 7			n.a.
M19	17 46	3 32	0n54	10 42	1 36	17 4	0 12	3 46	0 53	20 56	0 23	22 55	1 11	6 3	0 45	0 37	2 3	32 25	12 27	8 20	8 42	22 9			n.a.
T 20	18 2	3n16	2 6	11 29	1 25	17 28	0 9	4 4	0 52	20 55	0 22	22 54	1 11	6 2	0 45	0 37	2 3	32 25	12 28	8 21	8 44	22 11			n.a.
W21	18 17	10 6	3 11	12 16	1 14	17 50	0 7	4 21	0 52	20 54	0 22	22 53	1 11	6 1	0 45	0 36	2 3	32 25	12 28	8 23	8 45	22 14			n.a.
T 22	18 32	16 32	4 5	13 4	1 3	18 12	0 5	4 38	0 51	20 52	0 22	22 52	1 11	6 1	0 45	0 36	2 3	32 26	12 28	8 25	8 46	22 16			n.a.
F 23	18 47	22 2	4 43	13 52	0 52	18 34	0 2	4 55	0 51	20 51	0 22	22 51	1 11	6 0	0 45	0 36	2 3	32 26	12 29	8 29	8 47	22 18			n.a.
S 24	19 2	26 5	5 0	14 40	0 41	18 55	0n 0	5 12	0 50	20 50	0 22	22 50	1 11	5 59	0 45	0 35	2 3	32 27	12 29	8 32	8 48	22 20			n.a.
S 25	19 16	28 13	4 56	15 28	0 29	19 16	0 2	5 29	0 50	20 48	0 22	22 49	1 11	5 59	0 45	0 35	2 3	32 27	12 29	8 36	8 50	22 22			n.a.
M26	19 30	28 16	4 32	16 15	0 18	19 36	0 5	5 46	0 49	20 47	0 22	22 49	1 11	5 58	0 45	0 35	2 3	32 27	12 30	8 40	8 51	22 25			n.a.
T 27	19 43	26 21	3 51	17 2	0 7	19 56	0 7	6 3	0 49	20 46	0 22	22 48	1 11	5 58	0 45	0 34	2 3	32 28	12 30	8 42	8 52	22 27			n.a.
W28	19 56	22 52	2 57	17 48	0n 4	20 15	0 9	6 20	0 48	20 44	0 21	22 47	1 11	5 57	0 45	0 34	2 3	32 28	12 30	8 44	8 53	22 29			n.a.
T 29	20 9	18 15	1 55	18 33	0 15	20 34	0 12	6 36	0 48	20 43	0 21	22 46	1 11	5 56	0 45	0 34	2 3	32 29	12 30	8 45	8 54	22 31			n.a.
F 30	20 22	12 56	0 49	19 16	0 26	20 52	0 14	6 53	0 47	20 42	0 21	22 45	1 11	5 56	0 45	0 33	2 3	32 29	12 31	8 45	8 56	22 33			n.a.
S 31	20n34	7n13	0s17	19n58	0n36	21n 9	0n17	7n 9	0s47	20s40	0n21	22n44	1n11	5s55	0s45	0s33	2n 3	32s30	12s31	8s45	8s57	22s36			n.a.

Julian Day Number = 1475364.5, Delta T = 05h27m21s
Ecliptic obliquity = 23°46'44, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'39, Lahiri = -13°15'39 Julian Calendar 1 May 674 BCE == Greg. Calendar 24 Apr. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

JUNE 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 6 53	1♊34'21	23♍29	27♉36	3♊21	20♈34	2°R40	24♋21	16♓57	6°R 1	0°R35	7°R50	7♓15	19♏43	n.a.	S 1
M 2	16 10 50	2°31'26	5♎36	29°46	4°35	21°16	2♐32	24°26	16°58	6♎ 0	0♒34	7♓48	7°12	19°50	n.a.	M 2
T 3	16 14 46	3°28'30	17°34	1♊56	5°49	21°58	2°25	24°32	17° 0	5°59	0°34	7°43	7° 9	19°56	n.a.	T 3
W 4	16 18 43	4°25'35	29°27	4° 5	7° 3	22°39	2°17	24°37	17° 1	5°59	0°33	7°35	7° 6	20° 3	n.a.	W 4
T 5	16 22 39	5°22'40	11♏19	6°15	8°16	23°21	2° 9	24°43	17° 2	5°58	0°33	7°25	7° 3	20°10	n.a.	T 5
F 6	16 26 36	6°19'46	23°11	8°23	9°30	24° 2	2° 2	24°49	17° 4	5°57	0°32	7°13	7° 0	20°17	n.a.	F 6
S 7	16 30 33	7°16'51	5♐ 5	10°31	10°44	24°44	1°54	24°55	17° 5	5°57	0°31	6°59	6°56	20°23	n.a.	S 7
S 8	16 34 29	8°13'57	17° 3	12°38	11°58	25°25	1°46	25° 0	17° 6	5°56	0°31	6°45	6°53	20°30	n.a.	S 8
M 9	16 38 26	9°11'04	29° 6	14°44	13°12	26° 6	1°39	25° 6	17° 7	5°56	0°30	6°33	6°50	20°37	n.a.	M 9
T 10	16 42 22	10° 8'10	11♑16	16°48	14°25	26°47	1°31	25°12	17° 8	5°55	0°29	6°22	6°47	20°43	n.a.	T 10
W11	16 46 19	11° 5'18	23°33	18°51	15°39	27°29	1°24	25°18	17° 9	5°55	0°28	6°14	6°44	20°50	n.a.	W11
T 12	16 50 15	12° 2'26	6♒ 1	20°52	16°53	28°10	1°16	25°25	17°10	5°54	0°28	6° 9	6°41	20°57	n.a.	T 12
F 13	16 54 12	12°59'35	18°42	22°51	18° 7	28°51	1° 9	25°31	17°11	5°54	0°27	6° 6	6°37	21° 4	n.a.	F 13
S 14	16 58 9	13°56'44	1♓39	24°49	19°21	29°32	1° 2	25°37	17°12	5°54	0°26	6°D 5	6°34	21°10	n.a.	S 14
S 15	17 2 5	14°53'55	14°55	26°46	20°35	0♉12	0°54	25°43	17°12	5°53	0°25	6°R 5	6°31	21°17	n.a.	S 15
M16	17 6 2	15°51'06	28°34	28°40	21°48	0°53	0°47	25°49	17°13	5°53	0°24	6° 5	6°28	21°24	n.a.	M16
T 17	17 9 58	16°48'19	12♈37	0♋33	23° 2	1°34	0°40	25°56	17°14	5°53	0°24	6° 3	6°25	21°30	n.a.	T 17
W18	17 13 55	17°45'32	27° 4	2°24	24°16	2°15	0°33	26° 2	17°14	5°52	0°23	5°59	6°21	21°37	n.a.	W18
T 19	17 17 51	18°42'46	11♉53	4°13	25°30	2°55	0°26	26° 9	17°15	5°52	0°22	5°52	6°18	21°44	n.a.	T 19
F 20	17 21 48	19°40'01	26°56	6° 1	26°44	3°36	0°19	26°15	17°16	5°52	0°21	5°43	6°15	21°51	n.a.	F 20
S 21	17 25 44	20°37'18	12♊ 6	7°47	27°58	4°16	0°12	26°22	17°16	5°52	0°20	5°33	6°12	21°57	n.a.	S 21
S 22	17 29 41	21°34'35	27°11	9°31	29°12	4°57	0° 5	26°28	17°16	5°52	0°19	5°22	6° 9	22° 4	n.a.	S 22
M23	17 33 38	22°31'53	12♋ 2	11°13	0♋26	5°37	29♏59	26°35	17°17	5°52	0°18	5°13	6° 6	22°11	n.a.	M23
T 24	17 37 34	23°29'12	26°31	12°54	1°40	6°17	29°52	26°41	17°17	5°52	0°17	5° 6	6° 2	22°18	n.a.	T 24
W25	17 41 31	24°26'31	10♌32	14°33	2°54	6°57	29°46	26°48	17°17	5°D52	0°16	5° 2	5°59	22°24	n.a.	W25
T 26	17 45 27	25°23'51	24° 4	16°10	4° 8	7°37	29°40	26°55	17°18	5°52	0°15	5° 0	5°56	22°31	n.a.	T 26
F 27	17 49 24	26°21'12	7♍ 9	17°45	5°22	8°17	29°34	27° 2	17°18	5°52	0°14	4°D59	5°53	22°38	n.a.	F 27
S 28	17 53 20	27°18'34	19°51	19°19	6°36	8°57	29°27	27° 9	17°18	5°52	0°13	4°59	5°50	22°44	n.a.	S 28
S 29	17 57 17	28°15'56	2♎12	20°51	7°50	9°37	29°22	27°15	17°18	5°52	0°12	5°R 0	5°47	22°51	n.a.	S 29
M30	18 1 14	29♊13'19	14♎19	22♋21	9♋ 4	10♉17	29♏16	27♋22	17♓18	5♎52	0♒11	4♓58	5♓43	22♏58	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n46	1n23	1s22	20n38	0n45	21n26	0n19	7n26	0s46	20s39	0n21	22n43	1n11	5s55	0s45	0s33	2n 3	32s30	12s31	8s45	8s58	22s38		n.a.
M 2	20 58	4s24	2 21	21 16	0 55	21 42	0 21	7 42	0 46	20 38	0 21	22 42	1 11	5 54	0 45	0 33	2 3	32 30	12 32	8 46	8 59	22 40		n.a.
T 3	21 9	9 57	3 13	21 52	1 3	21 58	0 23	7 58	0 45	20 36	0 20	22 41	1 11	5 54	0 45	0 32	2 3	32 31	12 32	8 48	9 0	22 42		n.a.
W 4	21 20	15 7	3 57	22 26	1 11	22 13	0 26	8 15	0 45	20 35	0 20	22 40	1 11	5 53	0 45	0 32	2 3	32 31	12 32	8 51	9 2	22 44		n.a.
T 5	21 30	19 42	4 29	22 56	1 18	22 27	0 28	8 31	0 44	20 33	0 20	22 39	1 11	5 53	0 45	0 32	2 2	32 32	12 33	8 54	9 3	22 46		n.a.
F 6	21 40	23 31	4 51	23 25	1 25	22 41	0 30	8 47	0 44	20 32	0 20	22 38	1 11	5 52	0 45	0 32	2 2	32 32	12 33	8 59	9 4	22 48		n.a.
S 7	21 50	26 21	4 59	23 50	1 31	22 54	0 32	9 3	0 43	20 31	0 20	22 37	1 11	5 52	0 45	0 32	2 2	32 33	12 33	9 4	9 5	22 50		n.a.
S 8	21 59	28 1	4 55	24 13	1 36	23 7	0 35	9 18	0 42	20 29	0 20	22 35	1 11	5 51	0 45	0 31	2 2	32 33	12 34	9 9	9 6	22 53		n.a.
M 9	22 8	28 23	4 37	24 33	1 41	23 19	0 37	9 34	0 42	20 28	0 19	22 34	1 11	5 51	0 45	0 31	2 2	32 34	12 34	9 14	9 8	22 55		n.a.
T 10	22 17	27 23	4 6	24 51	1 45	23 30	0 39	9 50	0 41	20 27	0 19	22 33	1 11	5 51	0 45	0 31	2 2	32 34	12 34	9 18	9 9	22 57		n.a.
W11	22 25	25 3	3 24	25 5	1 48	23 40	0 41	10 5	0 41	20 25	0 19	22 32	1 11	5 50	0 45	0 31	2 2	32 34	12 34	9 21	9 10	22 59		n.a.
T 12	22 33	21 29	2 32	25 17	1 50	23 50	0 43	10 21	0 40	20 24	0 19	22 31	1 11	5 50	0 45	0 31	2 2	32 35	12 35	9 23	9 11	23 1		n.a.
F 13	22 41	16 52	1 31	25 27	1 52	23 59	0 45	10 36	0 40	20 22	0 19	22 30	1 11	5 50	0 45	0 31	2 2	32 35	12 35	9 24	9 12	23 3		n.a.
S 14	22 48	11 24	0 23	25 33	1 53	24 8	0 47	10 51	0 39	20 21	0 19	22 29	1 11	5 49	0 45	0 31	2 2	32 36	12 35	9 24	9 14	23 5		n.a.
S 15	22 55	5 18	0n47	25 38	1 53	24 15	0 49	11 6	0 38	20 20	0 18	22 27	1 11	5 49	0 45	0 31	2 2	32 36	12 36	9 24	9 15	23 7		n.a.
M16	23 1	1n11	1 56	25 40	1 53	24 22	0 51	11 21	0 38	20 18	0 18	22 26	1 11	5 49	0 45	0 31	2 2	32 37	12 36	9 25	9 16	23 9		n.a.
T 17	23 7	7 49	3 0	25 39	1 52	24 29	0 53	11 36	0 37	20 17	0 18	22 25	1 11	5 49	0 45	0 30	2 2	32 37	12 36	9 25	9 17	23 11		n.a.
W18	23 12	14 13	3 55	25 36	1 51	24 34	0 55	11 51	0 36	20 16	0 18	22 24	1 11	5 48	0 46	0 30	2 2	32 38	12 36	9 27	9 18	23 13		n.a.
T 19	23 17	19 58	4 35	25 32	1 49	24 39	0 57	12 6	0 36	20 14	0 18	22 23	1 11	5 48	0 46	0 30	2 2	32 38	12 37	9 29	9 20	23 15		n.a.
F 20	23 22	24 34	4 58	25 25	1 47	24 43	0 59	12 20	0 35	20 13	0 18	22 21	1 11	5 48	0 46	0 30	2 2	32 38	12 37	9 33	9 21	23 17		n.a.
S 21	23 26	27 30	4 59	25 16	1 44	24 46	1 0	12 35	0 35	20 12	0 17	22 20	1 11	5 48	0 46	0 30	2 1	32 39	12 37	9 37	9 22	23 19		n.a.
S 22	23 30	28 25	4 40	25 6	1 40	24 49	1 2	12 49	0 34	20 11	0 17	22 19	1 11	5 48	0 46	0 30	2 1	32 39	12 37	9 40	9 23	23 21		n.a.
M23	23 34	27 14	4 2	24 53	1 36	24 50	1 4	13 3	0 33	20 9	0 17	22 18	1 11	5 48	0 46	0 30	2 1	32 40	12 38	9 44	9 24	23 23		n.a.
T 24	23 37	24 14	3 9	24 40	1 31	24 51	1 5	13 17	0 33	20 8	0 17	22 16	1 11	5 47	0 46	0 30	2 1	32 40	12 38	9 46	9 25	23 25		n.a.
W25	23 40	19 52	2 6	24 24	1 26	24 52	1 7	13 31	0 32	20 7	0 17	22 15	1 11	5 47	0 46	0 31	2 1	32 41	12 38	9 48	9 27	23 27		n.a.
T 26	23 42	14 35	0 58	24 7	1 21	24 51	1 9	13 45	0 31	20 6	0 17	22 14	1 11	5 47	0 46	0 31	2 1	32 41	12 38	9 49	9 28	23 29		n.a.
F 27	23 44	8 50	0s12	23 49	1 15	24 50	1 10	13 59	0 31	20 5	0 16	22 12	1 11	5 47	0 46	0 31	2 1	32 42	12 38	9 49	9 29	23 31		n.a.
S 28	23 45	2 53	1 18	23 30	1 9	24 48	1 11	14 13	0 30	20 3	0 16	22 11	1 11	5 47	0 46	0 31	2 1	32 42	12 39	9 49	9 30	23 33		n.a.
S 29	23 46	3s 1	2 19	23 10	1 2	24 45	1 13	14 26	0 29	20 2	0 16	22 10	1 11	5 47	0 46	0 31	2 1	32 43	12 39	9 49	9 31	23 35		n.a.
M30	23n47	8s41	3s13	22n48	0n55	24n42	1n14	14n39	0s29	20s 1	0n16	22n 8	1n11	5s47	0s46	0s31	2n 1	32s43	12s39	9s49	9s33	23s37		n.a.

Julian Day Number = 1475395.5, Delta T = 05h27m20s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'35, Lahiri = -13°15'34 Julian Calendar 1 June 674 BCE == Greg. Calendar 25 May 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

JULY 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 5 10	0♋10'43	26♎17	23♋49	10♋18	10♉56	29°R10	27♋29	17°R18	5♎52	0°R10	4°R55	5♓40	23♏ 5	n.a.	T 1
W 2	18 9 7	1° 8'08	8♏ 9	25°16	11°32	11°36	29♏ 5	27°36	17♓18	5°52	0♒ 9	4♓50	5°37	23°11	n.a.	W 2
T 3	18 13 3	2° 5'33	20° 0	26°40	12°46	12°15	28°59	27°43	17°18	5°52	0° 8	4°42	5°34	23°18	n.a.	T 3
F 4	18 17 0	3° 3'00	1♐54	28° 3	14° 0	12°55	28°54	27°50	17°18	5°53	0° 7	4°32	5°31	23°25	n.a.	F 4
S 5	18 20 56	4° 0'28	13°53	29°24	15°14	13°34	28°49	27°57	17°18	5°53	0° 6	4°21	5°27	23°31	n.a.	S 5
S 6	18 24 53	4°57'57	25°58	0♌44	16°28	14°14	28°44	28° 4	17°18	5°53	0° 5	4°10	5°24	23°38	n.a.	S 6
M 7	18 28 49	5°55'28	8♑11	2° 1	17°42	14°53	28°39	28°11	17°17	5°54	0° 3	4° 0	5°21	23°45	n.a.	M 7
T 8	18 32 46	6°52'59	20°33	3°16	18°56	15°32	28°35	28°19	17°17	5°54	0° 2	3°51	5°18	23°52	n.a.	T 8
W 9	18 36 43	7°50'32	3♒ 5	4°29	20°10	16°11	28°30	28°26	17°17	5°55	0° 1	3°45	5°15	23°58	n.a.	W 9
T 10	18 40 39	8°48'07	15°47	5°40	21°24	16°50	28°26	28°33	17°16	5°55	29♑59	3°41	5°12	24° 5	n.a.	T 10
F 11	18 44 36	9°45'43	28°40	6°49	22°38	17°29	28°22	28°40	17°16	5°55	29°59	3°D39	5° 8	24°12	n.a.	F 11
S 12	18 48 32	10°43'20	11♓47	7°55	23°52	18° 8	28°18	28°47	17°15	5°56	29°58	3°40	5° 5	24°19	n.a.	S 12
S 13	18 52 29	11°40'59	25°10	8°59	25° 6	18°46	28°14	28°55	17°14	5°57	29°56	3°40	5° 2	24°25	n.a.	S 13
M14	18 56 25	12°38'40	8♈49	10° 1	26°20	19°25	28°11	29° 2	17°14	5°57	29°55	3°R41	4°59	24°32	n.a.	M14
T 15	19 0 22	13°36'23	22°46	11° 0	27°34	20° 3	28° 7	29° 9	17°13	5°58	29°54	3°41	4°56	24°39	n.a.	T 15
W16	19 4 18	14°34'08	7♉ 0	11°56	28°48	20°42	28° 4	29°16	17°12	5°58	29°53	3°39	4°53	24°45	n.a.	W16
T 17	19 8 15	15°31'54	21°31	12°49	0♌ 2	21°20	28° 1	29°24	17°12	5°59	29°52	3°35	4°49	24°52	n.a.	T 17
F 18	19 12 12	16°29'43	6♊14	13°39	1°17	21°59	27°58	29°31	17°11	6° 0	29°50	3°29	4°46	24°59	n.a.	F 18
S 19	19 16 8	17°27'33	21° 2	14°26	2°31	22°37	27°55	29°39	17°10	6° 0	29°49	3°22	4°43	25° 6	n.a.	S 19
S 20	19 20 5	18°25'25	5♋48	15° 9	3°45	23°15	27°53	29°46	17° 9	6° 1	29°48	3°15	4°40	25°12	n.a.	S 20
M21	19 24 1	19°23'18	20°23	15°49	4°59	23°53	27°50	29°53	17° 8	6° 2	29°47	3° 9	4°37	25°19	n.a.	M21
T 22	19 27 58	20°21'14	4♌42	16°25	6°13	24°31	27°48	0♌ 1	17° 7	6° 3	29°45	3° 5	4°33	25°26	n.a.	T 22
W23	19 31 54	21°19'10	18°38	16°57	7°27	25° 9	27°46	0° 8	17° 6	6° 4	29°44	3° 2	4°30	25°32	n.a.	W23
T 24	19 35 51	22°17'09	2♍ 9	17°24	8°41	25°47	27°44	0°16	17° 5	6° 5	29°43	3°D 1	4°27	25°39	n.a.	T 24
F 25	19 39 47	23°15'09	15°16	17°47	9°55	26°24	27°43	0°23	17° 4	6° 6	29°42	3° 1	4°24	25°46	n.a.	F 25
S 26	19 43 44	24°13'10	28° 0	18° 5	11° 9	27° 2	27°41	0°31	17° 3	6° 7	29°40	3° 3	4°21	25°53	n.a.	S 26
S 27	19 47 41	25°11'13	10♎24	18°17	12°24	27°39	27°40	0°38	17° 2	6° 8	29°39	3° 4	4°18	25°59	n.a.	S 27
M28	19 51 37	26° 9'17	22°33	18°25	13°38	28°17	27°39	0°46	17° 0	6° 9	29°38	3°R 5	4°14	26° 6	n.a.	M28
T 29	19 55 34	27° 7'23	4♏32	18°R26	14°52	28°54	27°38	0°53	16°59	6°10	29°36	3° 5	4°11	26°13	n.a.	T 29
W30	19 59 30	28° 5'30	16°26	18°22	16° 6	29°31	27°37	1° 0	16°58	6°11	29°35	3° 3	4° 8	26°20	n.a.	W30
T 31	20 3 27	29♋ 3'39	28♏19	18♌11	17♌20	0♊ 8	27♏37	1♌ 8	16♓56	6♎12	29♑34	3♓ 0	4♓ 5	26♏26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n47	13s58	3s58	22n26	0n48	24n38	1n15	14n53	0s28	20s 0	0n16	22n 7	1n11	5s47	0s46	0s31	2n 1	32s43	12s39	9s50	9s34	23s39			n.a.
W 2	23 46	18 41	4 31	22 3	0 40	24 33	1 17	15 6	0 27	19 59	0 15	22 6	1 11	5 47	0 46	0 31	2 1	32 44	12 39	9 53	9 35	23 41			n.a.
T 3	23 46	22 42	4 53	21 39	0 32	24 27	1 18	15 19	0 27	19 58	0 15	22 4	1 11	5 47	0 46	0 31	2 1	32 44	12 40	9 55	9 36	23 43			n.a.
F 4	23 45	25 46	5 3	21 14	0 24	24 20	1 19	15 31	0 26	19 57	0 15	22 3	1 11	5 48	0 46	0 32	2 1	32 45	12 40	9 59	9 37	23 45			n.a.
S 5	23 43	27 44	4 59	20 49	0 15	24 13	1 20	15 44	0 25	19 56	0 15	22 1	1 11	5 48	0 46	0 32	2 1	32 45	12 40	10 3	9 38	23 47			n.a.
S 6	23 41	28 25	4 42	20 23	0 6	24 5	1 21	15 57	0 25	19 55	0 15	22 0	1 11	5 48	0 46	0 32	2 1	32 46	12 40	10 7	9 40	23 49			n.a.
M 7	23 39	27 42	4 12	19 57	0s 3	23 57	1 22	16 9	0 24	19 54	0 15	21 59	1 11	5 48	0 46	0 32	2 0	32 46	12 40	10 11	9 41	23 51			n.a.
T 8	23 36	25 38	3 29	19 30	0 12	23 47	1 23	16 21	0 23	19 54	0 14	21 57	1 11	5 48	0 46	0 32	2 0	32 47	12 41	10 14	9 42	23 53			n.a.
W 9	23 33	22 16	2 36	19 4	0 22	23 37	1 24	16 33	0 22	19 53	0 14	21 56	1 11	5 48	0 46	0 33	2 0	32 47	12 41	10 16	9 43	23 55			n.a.
T 10	23 29	17 50	1 34	18 37	0 32	23 26	1 24	16 45	0 22	19 52	0 14	21 54	1 11	5 48	0 46	0 33	2 0	32 47	12 41	10 18	9 44	23 57			n.a.
F 11	23 25	12 31	0 27	18 10	0 42	23 15	1 25	16 57	0 21	19 51	0 14	21 53	1 11	5 49	0 46	0 33	2 0	32 48	12 41	10 18	9 46	23 58			n.a.
S 12	23 20	6 34	0n44	17 43	0 52	23 3	1 26	17 9	0 20	19 50	0 14	21 51	1 11	5 49	0 46	0 33	2 0	32 48	12 41	10 18	9 47	24 0			n.a.
S 13	23 15	0 14	1 53	17 16	1 2	22 50	1 26	17 20	0 19	19 50	0 13	21 50	1 11	5 49	0 46	0 34	2 0	32 49	12 41	10 18	9 48	24 2			n.a.
M14	23 10	6n15	2 57	16 49	1 13	22 36	1 27	17 32	0 19	19 49	0 13	21 48	1 11	5 49	0 46	0 34	2 0	32 49	12 42	10 18	9 49	24 4			n.a.
T 15	23 4	12 34	3 53	16 23	1 23	22 22	1 27	17 43	0 18	19 49	0 13	21 47	1 11	5 50	0 46	0 34	2 0	32 50	12 42	10 18	9 50	24 6			n.a.
W16	22 58	18 22	4 35	15 57	1 34	22 7	1 28	17 54	0 17	19 48	0 13	21 45	1 11	5 50	0 47	0 34	2 0	32 50	12 42	10 19	9 51	24 8			n.a.
T 17	22 52	23 14	5 1	15 32	1 45	21 52	1 28	18 5	0 16	19 47	0 13	21 44	1 11	5 50	0 47	0 35	2 0	32 50	12 42	10 20	9 53	24 10			n.a.
F 18	22 45	26 41	5 7	15 7	1 56	21 35	1 28	18 16	0 16	19 47	0 13	21 42	1 11	5 51	0 47	0 35	2 0	32 51	12 42	10 22	9 54	24 12			n.a.
S 19	22 37	28 21	4 53	14 43	2 7	21 19	1 28	18 27	0 15	19 47	0 12	21 41	1 12	5 51	0 47	0 36	2 0	32 51	12 42	10 25	9 55	24 13			n.a.
S 20	22 29	27 58	4 20	14 20	2 18	21 1	1 28	18 37	0 14	19 46	0 12	21 39	1 12	5 51	0 47	0 36	2 0	32 52	12 42	10 27	9 56	24 15			n.a.
M21	22 21	25 40	3 30	13 57	2 29	20 43	1 28	18 48	0 13	19 46	0 12	21 38	1 12	5 52	0 47	0 36	2 0	32 52	12 42	10 29	9 57	24 17			n.a.
T 22	22 13	21 44	2 27	13 36	2 39	20 25	1 28	18 58	0 13	19 45	0 12	21 36	1 12	5 52	0 47	0 37	1 59	32 52	12 42	10 31	9 58	24 19			n.a.
W23	22 4	16 40	1 17	13 17	2 50	20 5	1 28	19 8	0 12	19 45	0 12	21 35	1 12	5 53	0 47	0 37	1 59	32 53	12 43	10 32	10 0	24 21			n.a.
T 24	21 54	10 56	0 5	12 58	3 0	19 46	1 28	19 18	0 11	19 45	0 11	21 33	1 12	5 53	0 47	0 37	1 59	32 53	12 43	10 33	10 1	24 22			n.a.
F 25	21 45	4 52	1s 6	12 42	3 11	19 25	1 28	19 28	0 10	19 45	0 11	21 31	1 12	5 54	0 47	0 38	1 59	32 53	12 43	10 32	10 2	24 24			n.a.
S 26	21 34	1s12	2 12	12 27	3 21	19 4	1 28	19 37	0 9	19 45	0 11	21 30	1 12	5 54	0 47	0 38	1 59	32 54	12 43	10 32	10 3	24 26			n.a.
S 27	21 24	7 4	3 9	12 14	3 30	18 43	1 27	19 47	0 8	19 44	0 11	21 28	1 12	5 55	0 47	0 39	1 59	32 54	12 43	10 31	10 4	24 28			n.a.
M28	21 13	12 33	3 57	12 3	3 39	18 21	1 27	19 56	0 8	19 44	0 11	21 27	1 12	5 55	0 47	0 39	1 59	32 55	12 43	10 31	10 6	24 30			n.a.
T 29	21 2	17 30	4 34	11 55	3 47	17 59	1 26	20 5	0 7	19 44	0 11	21 25	1 12	5 56	0 47	0 40	1 59	32 55	12 43	10 31	10 7	24 31			n.a.
W30	20 50	21 44	4 58	11 49	3 55	17 36	1 26	20 14	0 6	19 44	0 10	21 23	1 12	5 56	0 47	0 40	1 59	32 55	12 43	10 32	10 8	24 33			n.a.
T 31	20n38	25s 6	5s10	11n46	4s 2	17n12	1n25	20n23	0s 5	19s44	0n10	21n22	1n12	5s57	0s47	0s41	1n59	32s56	12s43	10s33	10s 9	24s35			n.a.

Julian Day Number = 1475425.5, Delta T = 05h27m18s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'31, Lahiri = -13°15'30 Julian Calendar 1 July 674 BCE == Greg. Calendar 24 June 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

AUGUST 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 7 23	0♌ 1'50	10♐15	17°R54	18♌34	0♊45	27°R37	1♌15	16°R55	6♎13	29°R33	2°R56	4♓ 2	26♏33	n.a.	F 1
S 2	20 11 20	1° 0'03	22°17	17♌31	19°48	1°22	27°D37	1°23	16♓53	6°14	29♑31	2♓50	3°59	26°40	n.a.	S 2
S 3	20 15 16	1°58'17	4♑30	17° 2	21° 2	1°59	27♏37	1°30	16°52	6°15	29°30	2°45	3°55	26°46	n.a.	S 3
M 4	20 19 13	2°56'33	16°54	16°26	22°16	2°36	27°37	1°38	16°50	6°16	29°29	2°40	3°52	26°53	n.a.	M 4
T 5	20 23 10	3°54'51	29°30	15°44	23°30	3°12	27°37	1°45	16°49	6°18	29°28	2°36	3°49	27° 0	n.a.	T 5
W 6	20 27 6	4°53'11	12♒19	14°57	24°45	3°49	27°38	1°53	16°47	6°19	29°26	2°33	3°46	27° 7	n.a.	W 6
T 7	20 31 3	5°51'32	25°22	14° 5	25°59	4°25	27°39	2° 0	16°46	6°20	29°25	2°32	3°43	27°13	n.a.	T 7
F 8	20 34 59	6°49'56	8♓37	13° 9	27°13	5° 2	27°40	2° 8	16°44	6°22	29°24	2°D32	3°39	27°20	n.a.	F 8
S 9	20 38 56	7°48'22	22° 4	12°10	28°27	5°38	27°41	2°15	16°42	6°23	29°22	2°32	3°36	27°27	n.a.	S 9
S 10	20 42 52	8°46'50	5♈43	11° 8	29°41	6°14	27°43	2°23	16°40	6°24	29°21	2°34	3°33	27°34	n.a.	S 10
M11	20 46 49	9°45'20	19°33	10° 7	0♍55	6°50	27°44	2°30	16°39	6°26	29°20	2°35	3°30	27°40	n.a.	M11
T 12	20 50 45	10°43'53	3♉34	9° 6	2° 9	7°26	27°46	2°38	16°37	6°27	29°19	2°36	3°27	27°47	n.a.	T 12
W13	20 54 42	11°42'28	17°43	8° 7	3°23	8° 2	27°48	2°45	16°35	6°29	29°17	2°R36	3°24	27°54	n.a.	W13
T 14	20 58 39	12°41'05	2♊ 0	7°12	4°37	8°37	27°50	2°53	16°33	6°30	29°16	2°35	3°20	28° 0	n.a.	T 14
F 15	21 2 35	13°39'45	16°22	6°22	5°51	9°13	27°53	3° 0	16°31	6°32	29°15	2°34	3°17	28° 7	n.a.	F 15
S 16	21 6 32	14°38'28	0♋44	5°38	7° 5	9°48	27°55	3° 7	16°29	6°33	29°14	2°31	3°14	28°14	n.a.	S 16
S 17	21 10 28	15°37'12	15° 2	5° 2	8°19	10°24	27°58	3°15	16°27	6°35	29°12	2°29	3°11	28°21	n.a.	S 17
M18	21 14 25	16°35'59	29°11	4°34	9°33	10°59	28° 1	3°22	16°25	6°36	29°11	2°27	3° 8	28°27	n.a.	M18
T 19	21 18 21	17°34'48	13♌ 8	4°15	10°47	11°34	28° 4	3°29	16°23	6°38	29°10	2°26	3° 5	28°34	n.a.	T 19
W20	21 22 18	18°33'39	26°48	4°D 7	12° 1	12° 9	28° 7	3°37	16°21	6°39	29° 9	2°D25	3° 1	28°41	n.a.	W20
T 21	21 26 14	19°32'32	10♍ 9	4° 7	13°15	12°44	28°11	3°44	16°19	6°41	29° 8	2°25	2°58	28°47	n.a.	T 21
F 22	21 30 11	20°31'28	23°10	4°18	14°29	13°18	28°15	3°51	16°17	6°43	29° 7	2°26	2°55	28°54	n.a.	F 22
S 23	21 34 7	21°30'25	5♎52	4°39	15°43	13°53	28°18	3°59	16°15	6°45	29° 5	2°27	2°52	29° 1	n.a.	S 23
S 24	21 38 4	22°29'24	18°17	5° 9	16°57	14°28	28°22	4° 6	16°13	6°46	29° 4	2°28	2°49	29° 8	n.a.	S 24
M25	21 42 1	23°28'25	0♏27	5°49	18°11	15° 2	28°27	4°13	16°10	6°48	29° 3	2°28	2°45	29°14	n.a.	M25
T 26	21 45 57	24°27'28	12°28	6°37	19°25	15°36	28°31	4°20	16° 8	6°50	29° 2	2°29	2°42	29°21	n.a.	T 26
W27	21 49 54	25°26'33	24°22	7°33	20°39	16°10	28°35	4°28	16° 6	6°52	29° 1	2°R29	2°39	29°28	n.a.	W27
T 28	21 53 50	26°25'39	6♐15	8°36	21°53	16°44	28°40	4°35	16° 4	6°53	29° 0	2°29	2°36	29°35	n.a.	T 28
F 29	21 57 47	27°24'48	18°12	9°46	23° 7	17°18	28°45	4°42	16° 1	6°55	28°59	2°29	2°33	29°41	n.a.	F 29
S 30	22 1 43	28°23'59	0♑16	11° 2	24°21	17°52	28°50	4°49	15°59	6°57	28°57	2°28	2°30	29°48	n.a.	S 30
S 31	22 5 40	29♌23'11	12♑32	12♌23	25♍35	18♊25	28♏55	4♌56	15♓57	6♎59	28♑56	2♓28	2♓26	29♏55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20n26	27s23	5s 9	11n45	4s 7	16n49	1n24	20n32	0s 4	19s45	0n10	21n20	1n12	5s57	0s47	0s41	1n59	32s56	12s43	10s34	10s10	24s37		n.a.	F 1
S 2	20 13	28 26	4 54	11 48	4 12	16 24	1 24	20 40	0 3	19 45	0 10	21 19	1 12	5 58	0 47	0 42	1 59	32 56	12 43	10 36	10 11	24 38		n.a.	S 2
S 3	20 0	28 7	4 25	11 54	4 15	15 59	1 23	20 49	0 3	19 45	0 10	21 17	1 12	5 59	0 47	0 42	1 59	32 57	12 43	10 38	10 13	24 40		n.a.	S 3
M 4	19 47	26 24	3 44	12 3	4 17	15 34	1 22	20 57	0 2	19 45	0 10	21 15	1 13	5 59	0 47	0 43	1 59	32 57	12 43	10 40	10 14	24 42		n.a.	M 4
T 5	19 33	23 20	2 51	12 15	4 18	15 9	1 21	21 5	0 1	19 45	0 9	21 14	1 13	6 0	0 47	0 43	1 59	32 57	12 43	10 42	10 15	24 44		n.a.	T 5
W 6	19 19	19 5	1 48	12 30	4 16	14 43	1 20	21 13	0n 0	19 46	0 9	21 12	1 13	6 1	0 47	0 44	1 59	32 58	12 43	10 43	10 16	24 45		n.a.	W 6
T 7	19 4	13 52	0 39	12 48	4 13	14 16	1 19	21 21	0 1	19 46	0 9	21 10	1 13	6 1	0 47	0 44	1 59	32 58	12 43	10 43	10 17	24 47		n.a.	T 7
F 8	18 50	7 56	0n33	13 9	4 8	13 49	1 17	21 28	0 2	19 47	0 9	21 9	1 13	6 2	0 47	0 45	1 58	32 58	12 43	10 43	10 18	24 49		n.a.	F 8
S 9	18 35	1 35	1 45	13 33	4 1	13 22	1 16	21 36	0 3	19 47	0 9	21 7	1 13	6 3	0 47	0 46	1 58	32 58	12 43	10 43	10 20	24 50		n.a.	S 9
S 10	18 19	4n56	2 52	13 58	3 51	12 55	1 15	21 43	0 4	19 47	0 9	21 6	1 13	6 3	0 47	0 46	1 58	32 59	12 43	10 42	10 21	24 52		n.a.	S 10
M11	18 3	11 18	3 50	14 26	3 40	12 27	1 14	21 50	0 5	19 48	0 8	21 4	1 13	6 4	0 47	0 47	1 58	32 59	12 43	10 42	10 22	24 54		n.a.	M11
T 12	17 47	17 11	4 35	14 55	3 27	11 59	1 12	21 57	0 5	19 49	0 8	21 2	1 13	6 5	0 47	0 47	1 58	32 59	12 43	10 42	10 23	24 56		n.a.	T 12
W13	17 31	22 13	5 4	15 24	3 12	11 30	1 11	22 4	0 6	19 49	0 8	21 1	1 13	6 6	0 47	0 48	1 58	32 59	12 43	10 42	10 24	24 57		n.a.	W13
T 14	17 14	25 59	5 15	15 54	2 56	11 1	1 9	22 10	0 7	19 50	0 8	20 59	1 13	6 6	0 47	0 49	1 58	33 0	12 43	10 42	10 25	24 59		n.a.	T 14
F 15	16 58	28 8	5 6	16 23	2 39	10 32	1 7	22 17	0 8	19 51	0 8	20 57	1 13	6 7	0 47	0 49	1 58	33 0	12 43	10 42	10 27	25 0		n.a.	F 15
S 16	16 40	28 24	4 38	16 52	2 20	10 3	1 6	22 23	0 9	19 51	0 8	20 56	1 14	6 8	0 47	0 50	1 58	33 0	12 43	10 43	10 28	25 2		n.a.	S 16
S 17	16 23	26 46	3 52	17 19	2 1	9 33	1 4	22 29	0 10	19 52	0 7	20 54	1 14	6 9	0 47	0 51	1 58	33 0	12 43	10 44	10 29	25 4		n.a.	S 17
M18	16 5	23 26	2 53	17 44	1 42	9 3	1 2	22 35	0 11	19 53	0 7	20 52	1 14	6 10	0 47	0 51	1 58	33 1	12 43	10 45	10 30	25 5		n.a.	M18
T 19	15 47	18 47	1 44	18 8	1 23	8 33	1 0	22 41	0 12	19 54	0 7	20 51	1 14	6 10	0 47	0 52	1 58	33 1	12 43	10 45	10 31	25 7		n.a.	T 19
W20	15 29	13 14	0 31	18 28	1 4	8 3	0 58	22 47	0 13	19 55	0 7	20 49	1 14	6 11	0 47	0 53	1 58	33 1	12 43	10 46	10 32	25 9		n.a.	W20
T 21	15 10	7 13	0s43	18 46	0 45	7 32	0 56	22 53	0 14	19 56	0 7	20 47	1 14	6 12	0 47	0 53	1 58	33 1	12 43	10 46	10 34	25 10		n.a.	T 21
F 22	14 51	1 2	1 52	19 1	0 27	7 2	0 54	22 58	0 15	19 57	0 7	20 46	1 14	6 13	0 47	0 54	1 58	33 2	12 43	10 45	10 35	25 12		n.a.	F 22
S 23	14 32	5s 2	2 55	19 13	0 9	6 31	0 52	23 3	0 16	19 58	0 6	20 44	1 14	6 14	0 47	0 55	1 58	33 2	12 43	10 45	10 36	25 13		n.a.	S 23
S 24	14 13	10 46	3 47	19 22	0n 7	5 59	0 50	23 8	0 17	19 59	0 6	20 42	1 14	6 15	0 48	0 56	1 58	33 2	12 43	10 45	10 37	25 15		n.a.	S 24
M25	13 53	15 58	4 29	19 27	0 22	5 28	0 48	23 13	0 18	20 0	0 6	20 41	1 15	6 15	0 48	0 56	1 58	33 2	12 42	10 44	10 38	25 17		n.a.	M25
T 26	13 33	20 30	4 58	19 28	0 36	4 57	0 46	23 18	0 19	20 1	0 6	20 39	1 15	6 16	0 48	0 57	1 58	33 2	12 42	10 44	10 39	25 18		n.a.	T 26
W27	13 13	24 11	5 14	19 26	0 49	4 25	0 44	23 23	0 20	20 2	0 6	20 38	1 15	6 17	0 48	0 58	1 58	33 2	12 42	10 44	10 40	25 20		n.a.	W27
T 28	12 53	26 50	5 16	19 21	1 1	3 54	0 41	23 27	0 21	20 3	0 6	20 36	1 15	6 18	0 48	0 59	1 58	33 3	12 42	10 44	10 42	25 21		n.a.	T 28
F 29	12 33	28 18	5 5	19 12	1 12	3 22	0 39	23 32	0 22	20 4	0 6	20 34	1 15	6 19	0 48	0 59	1 57	33 3	12 42	10 44	10 43	25 23		n.a.	F 29
S 30	12 12	28 27	4 40	19 0	1 21	2 50	0 36	23 36	0 23	20 6	0 5	20 33	1 15	6 20	0 48	1 0	1 57	33 3	12 42	10 44	10 44	25 24		n.a.	S 30
S 31	11n51	27s12	4s 3	18n45	1n29	2n18	0n34	23n40	0n24	20s 7	0n 5	20n31	1n15	6s21	0s48	1s 1	1n57	33s 3	12s42	10s45	10s45	25s26		n.a.	S 31

Julian Day Number = 1475456.5, Delta T = 05h27m17s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'26, Lahiri = -13°15'26 Julian Calendar 1 Aug. 674 BCE == Greg. Calendar 25 July 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

SEPTEMBER 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 9 36	0♍22'26	25♉ 3	13♌49	26♍49	18♊58	29♏ 1	5♌ 3	15°R55	7♎ 1	28°R55	2°R27	2♓23	0♐ 1	n.a.	M 1
T 2	22 13 33	1°21'43	7♒51	15°19	28° 2	19°32	29° 6	5°10	15♓52	7° 3	28♉54	2♓27	2°20	0° 8	n.a.	T 2
W 3	22 17 30	2°21'01	20°57	16°52	29°16	20° 5	29°12	5°17	15°50	7° 5	28°53	2°D27	2°17	0°15	n.a.	W 3
T 4	22 21 26	3°20'22	4♓22	18°28	0♎30	20°38	29°18	5°24	15°47	7° 6	28°52	2°R27	2°14	0°22	n.a.	T 4
F 5	22 25 23	4°19'45	18° 2	20° 6	1°44	21°11	29°24	5°31	15°45	7° 8	28°51	2°27	2°10	0°28	n.a.	F 5
S 6	22 29 19	5°19'10	1♈57	21°46	2°58	21°43	29°30	5°38	15°43	7°10	28°50	2°27	2° 7	0°35	n.a.	S 6
S 7	22 33 16	6°18'37	16° 3	23°27	4°12	22°16	29°37	5°44	15°40	7°12	28°49	2°27	2° 4	0°42	n.a.	S 7
M 8	22 37 12	7°18'07	0♉15	25° 9	5°25	22°48	29°43	5°51	15°38	7°14	28°48	2°26	2° 1	0°49	n.a.	M 8
T 9	22 41 9	8°17'39	14°31	26°53	6°39	23°20	29°50	5°58	15°35	7°16	28°47	2°26	1°58	0°55	n.a.	T 9
W10	22 45 5	9°17'13	28°47	28°36	7°53	23°52	29°57	6° 5	15°33	7°18	28°46	2°25	1°55	1° 2	n.a.	W10
T 11	22 49 2	10°16'51	13♊ 0	0♍21	9° 7	24°24	0♐ 4	6°11	15°31	7°20	28°46	2°D25	1°51	1° 9	n.a.	T 11
F 12	22 52 58	11°16'30	27° 8	2° 5	10°20	24°56	0°11	6°18	15°28	7°22	28°45	2°25	1°48	1°15	n.a.	F 12
S 13	22 56 55	12°16'12	11♋ 9	3°49	11°34	25°28	0°18	6°24	15°26	7°25	28°44	2°26	1°45	1°22	n.a.	S 13
S 14	23 0 52	13°15'57	25° 0	5°33	12°48	25°59	0°25	6°31	15°23	7°27	28°43	2°27	1°42	1°29	n.a.	S 14
M15	23 4 48	14°15'44	8♌42	7°17	14° 1	26°30	0°33	6°37	15°21	7°29	28°42	2°28	1°39	1°36	n.a.	M15
T 16	23 8 45	15°15'33	22°11	9° 1	15°15	27° 1	0°41	6°44	15°18	7°31	28°41	2°29	1°36	1°42	n.a.	T 16
W17	23 12 41	16°15'24	5♍28	10°44	16°29	27°32	0°49	6°50	15°16	7°33	28°40	2°R29	1°32	1°49	n.a.	W17
T 18	23 16 38	17°15'17	18°30	12°27	17°42	28° 3	0°57	6°57	15°14	7°35	28°40	2°28	1°29	1°56	n.a.	T 18
F 19	23 20 34	18°15'12	1♎18	14° 9	18°56	28°33	1° 5	7° 3	15°11	7°37	28°39	2°27	1°26	2° 2	n.a.	F 19
S 20	23 24 31	19°15'10	13°52	15°51	20°10	29° 3	1°13	7° 9	15° 9	7°39	28°38	2°25	1°23	2° 9	n.a.	S 20
S 21	23 28 27	20°15'09	26°13	17°32	21°23	29°33	1°21	7°15	15° 6	7°42	28°38	2°22	1°20	2°16	n.a.	S 21
M22	23 32 24	21°15'10	8♏21	19°13	22°37	0♋ 3	1°30	7°21	15° 4	7°44	28°37	2°19	1°16	2°23	n.a.	M22
T 23	23 36 21	22°15'13	20°21	20°54	23°50	0°33	1°39	7°27	15° 1	7°46	28°36	2°16	1°13	2°29	n.a.	T 23
W24	23 40 17	23°15'18	2♐15	22°33	25° 4	1° 2	1°47	7°33	14°59	7°48	28°36	2°14	1°10	2°36	n.a.	W24
T 25	23 44 14	24°15'25	14° 6	24°13	26°17	1°31	1°56	7°39	14°56	7°50	28°35	2°12	1° 7	2°43	n.a.	T 25
F 26	23 48 10	25°15'33	26° 1	25°51	27°31	2° 0	2° 5	7°45	14°54	7°53	28°34	2°D12	1° 4	2°50	n.a.	F 26
S 27	23 52 7	26°15'43	8♑ 3	27°30	28°44	2°29	2°15	7°51	14°52	7°55	28°34	2°12	1° 1	2°56	n.a.	S 27
S 28	23 56 3	27°15'55	20°18	29° 7	29°58	2°58	2°24	7°57	14°49	7°57	28°33	2°14	0°57	3° 3	n.a.	S 28
M29	0 0 0	28°16'09	2♒49	0♎45	1♏11	3°26	2°33	8° 2	14°47	7°59	28°33	2°15	0°54	3°10	n.a.	M29
T 30	0 3 56	29♍16'24	15♒41	2♎21	2♏24	3♋54	2♐43	8♌ 8	14♓45	8♎ 1	28♉32	2♓17	0♓51	3♐16	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n30	24s35	3s13	18n26	1n36	1n46	0n31	23n44	0n25	20s 8	0n 5	20n29	1n15	6s22	0s48	1s 2	1n57	33s 3	12s42	10s45	10s46	25s28		n.a.
T 2	11 9	20 41	2 12	18 5	1 42	1 14	0 29	23 48	0 26	20 10	0 5	20 28	1 15	6 23	0 48	1 3	1 57	33 3	12 42	10 45	10 47	25 29		n.a.
W 3	10 47	15 43	1 3	17 41	1 46	0 42	0 26	23 52	0 28	20 11	0 5	20 26	1 16	6 24	0 48	1 3	1 57	33 3	12 41	10 45	10 49	25 31		n.a.
T 4	10 25	9 53	0n11	17 15	1 50	0 10	0 24	23 55	0 29	20 13	0 5	20 25	1 16	6 25	0 48	1 4	1 57	33 3	12 41	10 45	10 50	25 32		n.a.
F 5	10 4	3 29	1 25	16 46	1 53	0s23	0 21	23 58	0 30	20 14	0 5	20 23	1 16	6 26	0 48	1 5	1 57	33 3	12 41	10 45	10 51	25 34		n.a.
S 6	9 42	3n10	2 36	16 15	1 55	0 55	0 18	24 2	0 31	20 16	0 4	20 21	1 16	6 26	0 48	1 6	1 57	33 4	12 41	10 45	10 52	25 35		n.a.
S 7	9 19	9 45	3 39	15 42	1 56	1 27	0 16	24 5	0 32	20 17	0 4	20 20	1 16	6 27	0 48	1 7	1 57	33 4	12 41	10 45	10 53	25 37		n.a.
M 8	8 57	15 54	4 28	15 8	1 56	1 59	0 13	24 8	0 33	20 19	0 4	20 18	1 16	6 28	0 48	1 7	1 57	33 4	12 41	10 45	10 54	25 38		n.a.
T 9	8 35	21 12	5 1	14 32	1 55	2 31	0 10	24 11	0 34	20 20	0 4	20 17	1 16	6 29	0 48	1 8	1 57	33 4	12 41	10 45	10 56	25 40		n.a.
W10	8 12	25 18	5 16	13 54	1 54	3 3	0 7	24 13	0 35	20 22	0 4	20 15	1 17	6 30	0 48	1 9	1 57	33 4	12 40	10 46	10 57	25 41		n.a.
T 11	7 49	27 49	5 11	13 16	1 53	3 35	0 5	24 16	0 37	20 23	0 4	20 14	1 17	6 31	0 48	1 10	1 57	33 4	12 40	10 46	10 58	25 42		n.a.
F 12	7 26	28 32	4 48	12 36	1 50	4 7	0 2	24 19	0 38	20 25	0 4	20 12	1 17	6 32	0 48	1 11	1 57	33 4	12 40	10 45	10 59	25 44		n.a.
S 13	7 3	27 25	4 7	11 55	1 48	4 39	0s 1	24 21	0 39	20 27	0 3	20 11	1 17	6 33	0 48	1 12	1 57	33 4	12 40	10 45	11 0	25 45		n.a.
S 14	6 40	24 35	3 13	11 13	1 44	5 11	0 4	24 23	0 40	20 28	0 3	20 9	1 17	6 34	0 48	1 12	1 57	33 4	12 40	10 45	11 1	25 47		n.a.
M15	6 17	20 24	2 8	10 31	1 41	5 43	0 7	24 25	0 41	20 30	0 3	20 8	1 17	6 35	0 48	1 13	1 57	33 4	12 39	10 45	11 2	25 48		n.a.
T 16	5 53	15 12	0 57	9 48	1 37	6 14	0 10	24 27	0 43	20 32	0 3	20 6	1 17	6 36	0 48	1 14	1 57	33 4	12 39	10 44	11 4	25 50		n.a.
W17	5 30	9 23	0s16	9 4	1 33	6 46	0 13	24 29	0 44	20 34	0 3	20 5	1 18	6 37	0 48	1 15	1 57	33 4	12 39	10 44	11 5	25 51		n.a.
T 18	5 6	3 16	1 27	8 20	1 28	7 17	0 16	24 31	0 45	20 36	0 3	20 3	1 18	6 38	0 48	1 16	1 57	33 4	12 39	10 44	11 6	25 53		n.a.
F 19	4 43	2s51	2 32	7 36	1 23	7 48	0 19	24 33	0 46	20 37	0 3	20 2	1 18	6 39	0 48	1 17	1 57	33 4	12 39	10 45	11 7	25 54		n.a.
S 20	4 19	8 45	3 29	6 51	1 18	8 19	0 22	24 34	0 48	20 39	0 2	20 0	1 18	6 40	0 48	1 18	1 57	33 4	12 38	10 46	11 8	25 55		n.a.
S 21	3 55	14 12	4 14	6 6	1 13	8 50	0 25	24 36	0 49	20 41	0 2	19 59	1 18	6 41	0 48	1 19	1 57	33 4	12 38	10 47	11 9	25 57		n.a.
M22	3 31	19 1	4 48	5 21	1 7	9 21	0 28	24 37	0 50	20 43	0 2	19 57	1 18	6 42	0 48	1 19	1 57	33 4	12 38	10 48	11 10	25 58		n.a.
T 23	3 7	23 1	5 8	4 36	1 1	9 51	0 31	24 38	0 51	20 45	0 2	19 56	1 19	6 43	0 48	1 20	1 57	33 4	12 38	10 49	11 12	25 59		n.a.
W24	2 43	26 2	5 14	3 50	0 55	10 21	0 34	24 39	0 53	20 47	0 2	19 54	1 19	6 44	0 48	1 21	1 57	33 4	12 38	10 50	11 13	26 1		n.a.
T 25	2 19	27 54	5 8	3 5	0 49	10 51	0 37	24 40	0 54	20 49	0 2	19 53	1 19	6 45	0 48	1 22	1 57	33 4	12 37	10 50	11 14	26 2		n.a.
F 26	1 55	28 31	4 48	2 20	0 43	11 21	0 40	24 41	0 55	20 51	0 2	19 52	1 19	6 45	0 48	1 23	1 57	33 3	12 37	10 50	11 15	26 4		n.a.
S 27	1 30	27 46	4 15	1 34	0 37	11 51	0 43	24 42	0 57	20 53	0 2	19 50	1 19	6 46	0 48	1 24	1 57	33 3	12 37	10 50	11 16	26 5		n.a.
S 28	1 6	25 41	3 30	0 49	0 30	12 20	0 46	24 43	0 58	20 55	0 1	19 49	1 19	6 47	0 48	1 25	1 57	33 3	12 37	10 50	11 17	26 6		n.a.
M29	0 42	22 19	2 35	0 4	0 24	12 49	0 49	24 44	1 0	20 57	0 1	19 48	1 20	6 48	0 48	1 26	1 57	33 3	12 37	10 49	11 18	26 8		n.a.
T 30	0n18	17s47	1s30	0s41	0n18	13s17	0s52	24n44	1n 1	20s59	0n 1	19n46	1n20	6s49	0s48	1s27	1n57	33s 3	12s36	10s49	11s20	26s 9		n.a.

Julian Day Number = 1475487.5, Delta T = 05h27m15s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'22, Lahiri = -13°15'22 Julian Calendar 1 Sept. 674 BCE == Greg. Calendar 25 Aug. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

OCTOBER 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 7 53	0♎16'41	28♒56	3♎58	3♏38	4♋22	2♐53	8♌14	14°R42	8♎ 4	28°R32	2°R18	0♓48	3♐23	n.a.	W 1
T 2	0 11 50	1°16'59	12♓35	5°34	4°51	4°50	3° 2	8°19	14♓40	8° 6	28♑31	2♓18	0°45	3°30	n.a.	T 2
F 3	0 15 46	2°17'19	26°37	7° 9	6° 4	5°17	3°12	8°24	14°38	8° 8	28°31	2°16	0°42	3°37	n.a.	F 3
S 4	0 19 43	3°17'41	10♈58	8°44	7°18	5°44	3°22	8°30	14°35	8°10	28°30	2°12	0°38	3°43	n.a.	S 4
S 5	0 23 39	4°18'05	25°33	10°19	8°31	6°11	3°32	8°35	14°33	8°13	28°30	2° 8	0°35	3°50	n.a.	S 5
M 6	0 27 36	5°18'31	10♉16	11°53	9°44	6°38	3°43	8°40	14°31	8°15	28°29	2° 3	0°32	3°57	n.a.	M 6
T 7	0 31 32	6°18'58	24°57	13°27	10°57	7° 4	3°53	8°45	14°29	8°17	28°29	1°58	0°29	4° 4	n.a.	T 7
W 8	0 35 29	7°19'28	9♊32	15° 1	12°10	7°30	4° 3	8°50	14°26	8°19	28°29	1°54	0°26	4°10	n.a.	W 8
T 9	0 39 25	8°20'00	23°54	16°34	13°23	7°56	4°14	8°55	14°24	8°22	28°29	1°51	0°22	4°17	n.a.	T 9
F 10	0 43 22	9°20'34	8♋ 2	18° 7	14°36	8°21	4°25	9° 0	14°22	8°24	28°28	1°D50	0°19	4°24	n.a.	F 10
S 11	0 47 18	10°21'10	21°52	19°40	15°50	8°47	4°35	9° 5	14°20	8°26	28°28	1°51	0°16	4°30	n.a.	S 11
S 12	0 51 15	11°21'48	5♌27	21°12	17° 3	9°12	4°46	9°10	14°18	8°28	28°28	1°52	0°13	4°37	n.a.	S 12
M13	0 55 12	12°22'28	18°46	22°44	18°16	9°36	4°57	9°15	14°16	8°31	28°28	1°54	0°10	4°44	n.a.	M13
T 14	0 59 8	13°23'09	1♍51	24°16	19°29	10° 1	5° 8	9°19	14°14	8°33	28°27	1°R54	0° 7	4°51	n.a.	T 14
W15	1 3 5	14°23'52	14°44	25°48	20°41	10°25	5°20	9°24	14°12	8°35	28°27	1°54	0° 3	4°57	n.a.	W15
T 16	1 7 1	15°24'37	27°26	27°19	21°54	10°48	5°31	9°28	14°10	8°37	28°27	1°51	0° 0	5° 4	n.a.	T 16
F 17	1 10 58	16°25'23	9♎57	28°50	23° 7	11°12	5°42	9°32	14° 8	8°40	28°27	1°45	29♒57	5°11	n.a.	F 17
S 18	1 14 54	17°26'11	22°18	0♏21	24°20	11°35	5°54	9°37	14° 6	8°42	28°27	1°38	29°54	5°17	n.a.	S 18
S 19	1 18 51	18°27'01	4♏30	1°51	25°33	11°57	6° 5	9°41	14° 4	8°44	28°27	1°29	29°51	5°24	n.a.	S 19
M20	1 22 47	19°27'51	16°34	3°22	26°46	12°20	6°17	9°45	14° 2	8°46	28°D27	1°19	29°47	5°31	n.a.	M20
T 21	1 26 44	20°28'43	28°30	4°51	27°58	12°42	6°28	9°49	14° 0	8°49	28°27	1°10	29°44	5°38	n.a.	T 21
W22	1 30 41	21°29'37	10♐23	6°21	29°11	13° 3	6°40	9°53	13°58	8°51	28°27	1° 1	29°41	5°44	n.a.	W22
T 23	1 34 37	22°30'31	22°13	7°50	0♑24	13°24	6°52	9°57	13°56	8°53	28°27	0°54	29°38	5°51	n.a.	T 23
F 24	1 38 34	23°31'27	4♑ 5	9°19	1°36	13°45	7° 4	10° 0	13°55	8°55	28°27	0°50	29°35	5°58	n.a.	F 24
S 25	1 42 30	24°32'23	16° 4	10°47	2°49	14° 6	7°16	10° 4	13°53	8°57	28°27	0°48	29°32	6° 5	n.a.	S 25
S 26	1 46 27	25°33'21	28°13	12°15	4° 1	14°26	7°28	10° 8	13°51	9° 0	28°27	0°D47	29°28	6°11	n.a.	S 26
M27	1 50 23	26°34'19	10♒39	13°42	5°14	14°45	7°40	10°11	13°50	9° 2	28°27	0°48	29°25	6°18	n.a.	M27
T 28	1 54 20	27°35'18	23°26	15° 8	6°26	15° 5	7°53	10°14	13°48	9° 4	28°28	0°49	29°22	6°25	n.a.	T 28
W29	1 58 16	28°36'18	6♓39	16°34	7°38	15°23	8° 5	10°18	13°47	9° 6	28°28	0°R49	29°19	6°31	n.a.	W29
T 30	2 2 13	29°37'19	20°20	17°58	8°51	15°42	8°17	10°21	13°45	9° 8	28°28	0°47	29°16	6°38	n.a.	T 30
F 31	2 6 10	0♏38'21	4♈30	19♏22	10♐ 3	16♋ 0	8♐30	10♌24	13♓44	9♎10	28♑28	0♓43	29♒13	6♐45	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	0s 7	12s18	0s18	1s26	0n11	13s45	0s55	24n45	1n 2	21s 1	0n 1	19n45	1n20	6s50	0s48	1s28	1n57	33s 3	12s36	10s48	11s21	26s10			n.a.
T 2	0 31	6 4	0n56	2 10	0 4	14 13	0 58	24 45	1 4	21 3	0 1	19 44	1 20	6 51	0 47	1 28	1 57	33 3	12 36	10 48	11 22	26 11			n.a.
F 3	0 55	0n36	2 9	2 55	0s 2	14 41	1 0	24 45	1 5	21 5	0 1	19 43	1 20	6 52	0 47	1 29	1 57	33 3	12 36	10 49	11 23	26 13			n.a.
S 4	1 20	7 23	3 16	3 39	0 9	15 8	1 3	24 46	1 7	21 7	0 1	19 41	1 20	6 53	0 47	1 30	1 57	33 3	12 35	10 50	11 24	26 14			n.a.
S 5	1 44	13 53	4 10	4 22	0 15	15 35	1 6	24 46	1 8	21 9	0 1	19 40	1 21	6 54	0 47	1 31	1 57	33 2	12 35	10 52	11 25	26 15			n.a.
M 6	2 8	19 40	4 49	5 6	0 22	16 1	1 9	24 46	1 10	21 11	0 0	19 39	1 21	6 54	0 47	1 32	1 57	33 2	12 35	10 54	11 26	26 17			n.a.
T 7	2 33	24 15	5 9	5 49	0 28	16 28	1 12	24 46	1 11	21 13	0 0	19 38	1 21	6 55	0 47	1 33	1 57	33 2	12 35	10 55	11 28	26 18			n.a.
W 8	2 57	27 16	5 8	6 32	0 35	16 53	1 15	24 46	1 13	21 15	0 0	19 36	1 21	6 56	0 47	1 34	1 57	33 2	12 34	10 57	11 29	26 19			n.a.
T 9	3 21	28 26	4 48	7 14	0 41	17 18	1 17	24 46	1 14	21 17	0 0	19 35	1 21	6 57	0 47	1 35	1 57	33 2	12 34	10 58	11 30	26 20			n.a.
F 10	3 45	27 43	4 11	7 56	0 48	17 43	1 20	24 46	1 16	21 19	0 0	19 34	1 22	6 58	0 47	1 36	1 57	33 2	12 34	10 58	11 31	26 22			n.a.
S 11	4 9	25 16	3 20	8 38	0 54	18 8	1 23	24 46	1 17	21 22	0s 0	19 33	1 22	6 59	0 47	1 36	1 57	33 1	12 34	10 58	11 32	26 23			n.a.
S 12	4 33	21 25	2 19	9 19	1 0	18 32	1 25	24 46	1 19	21 24	0 0	19 32	1 22	6 59	0 47	1 37	1 57	33 1	12 33	10 57	11 33	26 24			n.a.
M13	4 57	16 32	1 11	9 59	1 6	18 55	1 28	24 46	1 21	21 26	0 0	19 31	1 22	7 0	0 47	1 38	1 57	33 1	12 33	10 57	11 34	26 25			n.a.
T 14	5 21	10 58	0 0	10 39	1 12	19 18	1 31	24 46	1 22	21 28	0 0	19 30	1 22	7 1	0 47	1 39	1 57	33 1	12 33	10 57	11 36	26 27			n.a.
W15	5 45	5 2	1s 9	11 19	1 18	19 40	1 33	24 45	1 24	21 30	0 1	19 29	1 23	7 2	0 47	1 40	1 57	33 0	12 32	10 57	11 37	26 28			n.a.
T 16	6 9	1s 0	2 14	11 58	1 24	20 2	1 36	24 45	1 25	21 32	0 1	19 28	1 23	7 3	0 47	1 41	1 57	33 0	12 32	10 58	11 38	26 29			n.a.
F 17	6 33	6 54	3 11	12 36	1 29	20 24	1 38	24 45	1 27	21 34	0 1	19 27	1 23	7 3	0 47	1 42	1 57	33 0	12 32	11 0	11 39	26 30			n.a.
S 18	6 56	12 28	3 58	13 14	1 35	20 45	1 41	24 44	1 29	21 37	0 1	19 26	1 23	7 4	0 47	1 43	1 57	33 0	12 32	11 3	11 40	26 31			n.a.
S 19	7 20	17 29	4 33	13 51	1 40	21 5	1 43	24 44	1 31	21 39	0 1	19 25	1 23	7 5	0 47	1 44	1 57	33 0	12 31	11 6	11 41	26 32			n.a.
M20	7 43	21 45	4 56	14 27	1 45	21 25	1 45	24 44	1 32	21 41	0 1	19 24	1 24	7 5	0 47	1 44	1 57	32 59	12 31	11 9	11 42	26 34			n.a.
T 21	8 7	25 4	5 6	15 3	1 50	21 44	1 47	24 43	1 34	21 43	0 1	19 23	1 24	7 6	0 47	1 45	1 57	32 59	12 31	11 13	11 43	26 35			n.a.
W22	8 30	27 18	5 2	15 37	1 54	22 2	1 50	24 43	1 36	21 45	0 1	19 22	1 24	7 7	0 47	1 46	1 57	32 59	12 31	11 16	11 45	26 36			n.a.
T 23	8 53	28 18	4 46	16 11	1 59	22 20	1 52	24 43	1 38	21 47	0 1	19 21	1 24	7 8	0 47	1 47	1 57	32 58	12 30	11 18	11 46	26 37			n.a.
F 24	9 16	27 59	4 17	16 44	2 3	22 38	1 54	24 42	1 39	21 49	0 2	19 21	1 24	7 8	0 47	1 48	1 57	32 58	12 30	11 20	11 47	26 38			n.a.
S 25	9 38	26 22	3 36	17 16	2 7	22 54	1 56	24 42	1 41	21 52	0 2	19 20	1 25	7 9	0 47	1 49	1 57	32 58	12 30	11 21	11 48	26 39			n.a.
S 26	10 1	23 30	2 45	17 47	2 10	23 11	1 58	24 42	1 43	21 54	0 2	19 19	1 25	7 9	0 47	1 50	1 57	32 58	12 30	11 21	11 49	26 40			n.a.
M27	10 23	19 30	1 46	18 17	2 13	23 26	1 59	24 41	1 45	21 56	0 2	19 18	1 25	7 10	0 47	1 50	1 57	32 57	12 29	11 21	11 50	26 42			n.a.
T 28	10 46	14 31	0 39	18 46	2 16	23 41	2 1	24 41	1 47	21 58	0 2	19 18	1 25	7 11	0 47	1 51	1 57	32 57	12 29	11 20	11 51	26 43			n.a.
W29	11 8	8 43	0n31	19 14	2 18	23 55	2 3	24 41	1 49	22 0	0 2	19 17	1 26	7 11	0 47	1 52	1 57	32 57	12 29	11 20	11 52	26 44			n.a.
T 30	11 30	2 19	1 42	19 40	2 20	24 8	2 5	24 40	1 51	22 2	0 2	19 16	1 26	7 12	0 47	1 53	1 57	32 56	12 28	11 21	11 54	26 45			n.a.
F 31	11s51	4n24	2n50	20s 5	2s22	24s21	2s 6	24n40	1n53	22s 4	0s 2	19n16	1n26	7s12	0s47	1s54	1n57	32s56	12s28	11s22	11s55	26s46			n.a.

Julian Day Number = 1475517.5, Delta T = 05h27m14s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'18, Lahiri = -13°15'18 Julian Calendar 1 Oct. 674 BCE == Greg. Calendar 24 Sept. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

NOVEMBER 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 10 6	1♏39'24	19♈ 6	20♏44	11♐15	16♋17	8♐42	10♌27	13°R42	9♎12	28♉29	0°R36	29♒ 9	6♐52	n.a.	S 1
S 2	2 14 3	2°40'27	4♉ 2	22° 5	12°27	16°34	8°55	10°30	13♓41	9°15	28°29	0♓27	29° 6	6°58	n.a.	S 2
M 3	2 17 59	3°41'32	19°10	23°24	13°39	16°51	9° 8	10°32	13°40	9°17	28°29	0°17	29° 3	7° 5	n.a.	M 3
T 4	2 21 56	4°42'37	4♊19	24°41	14°51	17° 7	9°21	10°35	13°38	9°19	28°30	0° 7	29° 0	7°12	n.a.	T 4
W 5	2 25 52	5°43'44	19°18	25°56	16° 3	17°23	9°33	10°38	13°37	9°21	28°30	29♒59	28°57	7°19	n.a.	W 5
T 6	2 29 49	6°44'52	4♋ 0	27° 8	17°15	17°38	9°46	10°40	13°36	9°23	28°31	29°52	28°53	7°25	n.a.	T 6
F 7	2 33 46	7°46'01	18°19	28°17	18°27	17°52	9°59	10°43	13°35	9°25	28°31	29°48	28°50	7°32	n.a.	F 7
S 8	2 37 42	8°47'11	2♌14	29°23	19°38	18° 6	10°12	10°45	13°34	9°27	28°31	29°47	28°47	7°39	n.a.	S 8
S 9	2 41 39	9°48'22	15°45	0♐24	20°50	18°20	10°25	10°47	13°32	9°29	28°32	29°D47	28°44	7°45	n.a.	S 9
M10	2 45 35	10°49'34	28°55	1°21	22° 1	18°33	10°38	10°49	13°31	9°31	28°32	29°R47	28°41	7°52	n.a.	M10
T 11	2 49 32	11°50'46	11♍46	2°13	23°13	18°45	10°51	10°51	13°30	9°33	28°33	29°46	28°38	7°59	n.a.	T 11
W12	2 53 28	12°52'00	24°23	2°58	24°24	18°57	11° 5	10°53	13°30	9°35	28°34	29°44	28°34	8° 6	n.a.	W12
T 13	2 57 25	13°53'14	6♎47	3°37	25°36	19° 9	11°18	10°55	13°29	9°37	28°34	29°38	28°31	8°12	n.a.	T 13
F 14	3 1 21	14°54'29	19° 3	4° 8	26°47	19°19	11°31	10°56	13°28	9°39	28°35	29°30	28°28	8°19	n.a.	F 14
S 15	3 5 18	15°55'45	1♏11	4°30	27°58	19°29	11°45	10°58	13°27	9°41	28°35	29°18	28°25	8°26	n.a.	S 15
S 16	3 9 15	16°57'01	13°14	4°42	29° 9	19°39	11°58	10°59	13°26	9°43	28°36	29° 5	28°22	8°32	n.a.	S 16
M17	3 13 11	17°58'18	25°11	4°R44	0♑20	19°48	12°11	11° 0	13°26	9°44	28°37	28°50	28°19	8°39	n.a.	M17
T 18	3 17 8	18°59'35	7♐ 5	4°35	1°31	19°56	12°25	11° 2	13°25	9°46	28°38	28°35	28°15	8°46	n.a.	T 18
W19	3 21 4	20° 0'53	18°56	4°15	2°42	20° 3	12°38	11° 3	13°24	9°48	28°38	28°21	28°12	8°53	n.a.	W19
T 20	3 25 1	21° 2'10	0♑46	3°42	3°52	20°10	12°52	11° 4	13°24	9°50	28°39	28°10	28° 9	8°59	n.a.	T 20
F 21	3 28 57	22° 3'28	12°39	2°58	5° 3	20°16	13° 6	11° 5	13°23	9°52	28°40	28° 1	28° 6	9° 6	n.a.	F 21
S 22	3 32 54	23° 4'46	24°37	2° 4	6°13	20°22	13°19	11° 5	13°23	9°54	28°41	27°56	28° 3	9°13	n.a.	S 22
S 23	3 36 50	24° 6'03	6♒44	0°59	7°24	20°27	13°33	11° 6	13°23	9°55	28°41	27°53	27°59	9°20	n.a.	S 23
M24	3 40 47	25° 7'21	19° 5	29♏47	8°34	20°31	13°47	11° 7	13°22	9°57	28°42	27°52	27°56	9°26	n.a.	M24
T 25	3 44 44	26° 8'38	1♓45	28°29	9°44	20°34	14° 0	11° 7	13°22	9°59	28°43	27°52	27°53	9°33	n.a.	T 25
W26	3 48 40	27° 9'55	14°49	27° 7	10°54	20°37	14°14	11° 7	13°22	10° 0	28°44	27°52	27°50	9°40	n.a.	W26
T 27	3 52 37	28°11'11	28°22	25°46	12° 4	20°39	14°28	11° 8	13°22	10° 2	28°45	27°49	27°47	9°46	n.a.	T 27
F 28	3 56 33	29°12'27	12♈25	24°26	13°13	20°40	14°42	11°R 8	13°21	10° 4	28°46	27°45	27°44	9°53	n.a.	F 28
S 29	4 0 30	0♐13'43	26°58	23°12	14°23	20°R41	14°56	11° 8	13°21	10° 5	28°47	27°37	27°40	10° 0	n.a.	S 29
S 30	4 4 26	1♐14'59	11♉57	22♏ 4	15♑32	20♋40	15♐10	11♌ 8	13°D21	10♎ 7	28♉48	27♒27	27♒37	10♐ 7	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s13	11n 5	3n48	20s29	2s23	24s33	2s 8	24n40	1n55	22s 6	0s 2	19n15	1n26	7s13	0s47	1s55	1n57	32s56	12s28	11s25	11s56	26s47		n.a.
S 2	12 34	17 17	4 32	20 51	2 23	24 44	2 9	24 40	1 57	22 9	0 3	19 14	1 26	7 13	0 47	1 55	1 57	32 55	12 28	11 28	11 57	26 48		n.a.
M 3	12 55	22 31	4 57	21 11	2 23	24 55	2 10	24 40	1 59	22 11	0 3	19 14	1 27	7 14	0 47	1 56	1 57	32 55	12 27	11 32	11 58	26 49		n.a.
T 4	13 16	26 15	5 2	21 30	2 22	25 5	2 12	24 40	2 1	22 13	0 3	19 13	1 27	7 14	0 47	1 57	1 57	32 55	12 27	11 35	11 59	26 50		n.a.
W 5	13 37	28 5	4 46	21 47	2 21	25 14	2 13	24 40	2 3	22 15	0 3	19 13	1 27	7 15	0 47	1 58	1 57	32 54	12 27	11 38	12 0	26 51		n.a.
T 6	13 58	27 54	4 11	22 2	2 19	25 23	2 14	24 40	2 5	22 17	0 3	19 12	1 27	7 15	0 47	1 59	1 57	32 54	12 27	11 41	12 1	26 52		n.a.
F 7	14 18	25 50	3 21	22 16	2 16	25 30	2 15	24 40	2 7	22 19	0 3	19 12	1 28	7 16	0 47	1 59	1 57	32 54	12 26	11 42	12 3	26 53		n.a.
S 8	14 38	22 13	2 21	22 26	2 12	25 37	2 16	24 40	2 9	22 21	0 3	19 12	1 28	7 16	0 46	2 0	1 57	32 53	12 26	11 43	12 4	26 54		n.a.
S 9	14 58	17 31	1 14	22 35	2 7	25 44	2 17	24 40	2 12	22 23	0 3	19 11	1 28	7 16	0 46	2 1	1 57	32 53	12 26	11 43	12 5	26 55		n.a.
M10	15 17	12 5	0 5	22 41	2 1	25 49	2 17	24 41	2 14	22 25	0 3	19 11	1 28	7 17	0 46	2 2	1 57	32 53	12 26	11 42	12 6	26 56		n.a.
T 11	15 36	6 17	1s 3	22 45	1 54	25 54	2 18	24 41	2 16	22 27	0 4	19 11	1 29	7 17	0 46	2 3	1 57	32 52	12 25	11 43	12 7	26 57		n.a.
W12	15 55	0 20	2 6	22 46	1 45	25 58	2 18	24 42	2 18	22 29	0 4	19 10	1 29	7 17	0 46	2 3	1 57	32 52	12 25	11 44	12 8	26 58		n.a.
T 13	16 14	5s31	3 2	22 44	1 36	26 1	2 19	24 42	2 21	22 31	0 4	19 10	1 29	7 18	0 46	2 4	1 57	32 51	12 25	11 46	12 9	26 59		n.a.
F 14	16 32	11 5	3 49	22 40	1 25	26 4	2 19	24 43	2 23	22 33	0 4	19 10	1 29	7 18	0 46	2 5	1 57	32 51	12 24	11 49	12 10	27 0		n.a.
S 15	16 50	16 11	4 25	22 32	1 13	26 5	2 19	24 44	2 25	22 35	0 4	19 10	1 30	7 18	0 46	2 5	1 57	32 51	12 24	11 53	12 12	27 1		n.a.
S 16	17 8	20 36	4 48	22 21	0 59	26 6	2 20	24 45	2 27	22 37	0 4	19 9	1 30	7 19	0 46	2 6	1 57	32 50	12 24	11 57	12 13	27 2		n.a.
M17	17 26	24 9	4 59	22 6	0 44	26 6	2 20	24 46	2 30	22 39	0 4	19 9	1 30	7 19	0 46	2 7	1 58	32 50	12 24	12 3	12 14	27 3		n.a.
T 18	17 43	26 40	4 56	21 49	0 28	26 6	2 20	24 47	2 32	22 40	0 4	19 9	1 30	7 19	0 46	2 8	1 58	32 49	12 23	12 8	12 15	27 4		n.a.
W19	18 0	27 58	4 41	21 27	0 10	26 4	2 19	24 48	2 35	22 42	0 4	19 9	1 30	7 19	0 46	2 8	1 58	32 49	12 23	12 13	12 16	27 5		n.a.
T 20	18 16	28 0	4 13	21 3	0n 9	26 2	2 19	24 50	2 37	22 44	0 5	19 9	1 31	7 19	0 46	2 9	1 58	32 49	12 23	12 17	12 17	27 6		n.a.
F 21	18 32	26 43	3 34	20 35	0 29	25 59	2 19	24 51	2 40	22 46	0 5	19 9	1 31	7 19	0 46	2 10	1 58	32 48	12 23	12 20	12 18	27 7		n.a.
S 22	18 48	24 13	2 46	20 4	0 49	25 56	2 18	24 53	2 42	22 48	0 5	19 9	1 31	7 20	0 46	2 10	1 58	32 48	12 23	12 22	12 19	27 8		n.a.
S 23	19 4	20 37	1 49	19 31	1 9	25 51	2 17	24 54	2 44	22 50	0 5	19 9	1 31	7 20	0 46	2 11	1 58	32 47	12 22	12 23	12 20	27 9		n.a.
M24	19 19	16 3	0 46	18 57	1 29	25 46	2 17	24 56	2 47	22 52	0 5	19 9	1 32	7 20	0 46	2 12	1 58	32 47	12 22	12 23	12 22	27 10		n.a.
T 25	19 34	10 41	0n20	18 21	1 48	25 40	2 16	24 58	2 50	22 53	0 5	19 9	1 32	7 20	0 46	2 12	1 58	32 46	12 22	12 23	12 23	27 11		n.a.
W26	19 48	4 42	1 28	17 45	2 6	25 34	2 15	25 0	2 52	22 55	0 5	19 9	1 32	7 20	0 46	2 13	1 58	32 46	12 22	12 23	12 24	27 11		n.a.
T 27	20 2	1n41	2 33	17 11	2 22	25 27	2 14	25 2	2 55	22 57	0 5	19 10	1 32	7 20	0 46	2 13	1 58	32 46	12 21	12 24	12 25	27 12		n.a.
F 28	20 16	8 13	3 32	16 38	2 36	25 19	2 13	25 5	2 57	22 59	0 5	19 10	1 33	7 20	0 46	2 14	1 58	32 45	12 21	12 26	12 26	27 13		n.a.
S 29	20 29	14 32	4 19	16 8	2 47	25 10	2 11	25 7	3 0	23 0	0 5	19 10	1 33	7 20	0 46	2 15	1 58	32 45	12 21	12 28	12 27	27 14		n.a.
S 30	20s42	20n12	4n49	15s42	2n57	25s 0	2s10	25n10	3n 2	23s 2	0s 6	19n10	1n33	7s20	0s46	2s15	1n58	32s44	12s21	12s32	12s28	27s15		n.a.

Julian Day Number = 1475548.5, Delta T = 05h27m12s
Ecliptic obliquity = 23°46'43, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'14, Lahiri = -13°15'13 Julian Calendar 1 Nov. 674 BCE == Greg. Calendar 25 Oct. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 674 BCE
geocentric

DECEMBER 674 BCE (-673) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 8 23	2♐16'15	27♉13	21°R 4	16♑41	20°R39	15♐24	11°R 7	13♓21	10♎ 8	28♑49	27°R15	27♒34	10♐13	n.a.	M 1
T 2	4 12 20	3°17'30	12♊35	20♏14	17°50	20♋38	15°38	11♌ 7	13°22	10°10	28°50	27♒ 4	27°31	10°20	n.a.	T 2
W 3	4 16 16	4°18'45	27°53	19°34	18°59	20°35	15°52	11° 7	13°22	10°12	28°51	26°53	27°28	10°27	n.a.	W 3
T 4	4 20 13	5°20'00	12♋54	19° 3	20° 8	20°32	16° 6	11° 6	13°22	10°13	28°52	26°45	27°25	10°33	n.a.	T 4
F 5	4 24 9	6°21'15	27°30	18°43	21°17	20°27	16°20	11° 5	13°22	10°14	28°53	26°40	27°21	10°40	n.a.	F 5
S 6	4 28 6	7°22'30	11♌39	18°33	22°25	20°22	16°34	11° 5	13°22	10°16	28°54	26°37	27°18	10°47	n.a.	S 6
S 7	4 32 2	8°23'45	25°18	18°D32	23°33	20°17	16°48	11° 4	13°23	10°17	28°55	26°D37	27°15	10°54	n.a.	S 7
M 8	4 35 59	9°24'59	8♍31	18°39	24°41	20°10	17° 2	11° 3	13°23	10°19	28°57	26°R37	27°12	11° 0	n.a.	M 8
T 9	4 39 55	10°26'13	21°21	18°54	25°49	20° 3	17°16	11° 2	13°24	10°20	28°58	26°36	27° 9	11° 7	n.a.	T 9
W10	4 43 52	11°27'27	3♎53	19°17	26°57	19°54	17°30	11° 0	13°24	10°21	28°59	26°34	27° 5	11°14	n.a.	W10
T 11	4 47 49	12°28'41	16° 9	19°46	28° 4	19°45	17°44	10°59	13°25	10°23	29° 0	26°30	27° 2	11°21	n.a.	T 11
F 12	4 51 45	13°29'54	28°16	20°20	29°12	19°35	17°58	10°58	13°25	10°24	29° 1	26°22	26°59	11°27	n.a.	F 12
S 13	4 55 42	14°31'07	10♏15	21° 1	0♒19	19°25	18°12	10°56	13°26	10°25	29° 3	26°11	26°56	11°34	n.a.	S 13
S 14	4 59 38	15°32'20	22°10	21°46	1°25	19°13	18°26	10°55	13°27	10°26	29° 4	25°59	26°53	11°41	n.a.	S 14
M15	5 3 35	16°33'32	4♐ 3	22°35	2°32	19° 1	18°41	10°53	13°27	10°28	29° 5	25°45	26°50	11°47	n.a.	M15
T 16	5 7 31	17°34'43	15°55	23°28	3°38	18°48	18°55	10°51	13°28	10°29	29° 7	25°31	26°46	11°54	n.a.	T 16
W17	5 11 28	18°35'53	27°47	24°25	4°44	18°34	19° 9	10°49	13°29	10°30	29° 8	25°18	26°43	12° 1	n.a.	W17
T 18	5 15 25	19°37'03	9♑41	25°25	5°50	18°20	19°23	10°47	13°30	10°31	29° 9	25° 8	26°40	12° 8	n.a.	T 18
F 19	5 19 21	20°38'11	21°38	26°27	6°56	18° 4	19°37	10°45	13°31	10°32	29°11	25° 0	26°37	12°14	n.a.	F 19
S 20	5 23 18	21°39'19	3♒41	27°33	8° 1	17°48	19°51	10°43	13°32	10°33	29°12	24°54	26°34	12°21	n.a.	S 20
S 21	5 27 14	22°40'25	15°53	28°40	9° 6	17°32	20° 5	10°40	13°33	10°34	29°13	24°52	26°31	12°28	n.a.	S 21
M22	5 31 11	23°41'30	28°16	29°50	10°11	17°14	20°20	10°38	13°34	10°35	29°15	24°D52	26°27	12°34	n.a.	M22
T 23	5 35 7	24°42'34	10♓55	1♐ 2	11°16	16°56	20°34	10°36	13°35	10°36	29°16	24°52	26°24	12°41	n.a.	T 23
W24	5 39 4	25°43'37	23°55	2°15	12°20	16°37	20°48	10°33	13°37	10°37	29°17	24°R53	26°21	12°48	n.a.	W24
T 25	5 43 0	26°44'38	7♈19	3°30	13°24	16°18	21° 2	10°30	13°38	10°38	29°19	24°52	26°18	12°55	n.a.	T 25
F 26	5 46 57	27°45'37	21° 9	4°47	14°27	15°58	21°16	10°27	13°39	10°38	29°20	24°50	26°15	13° 1	n.a.	F 26
S 27	5 50 54	28°46'36	5♉27	6° 5	15°30	15°38	21°30	10°25	13°41	10°39	29°22	24°45	26°11	13° 8	n.a.	S 27
S 28	5 54 50	29°47'32	20°11	7°24	16°33	15°17	21°44	10°22	13°42	10°40	29°23	24°38	26° 8	13°15	n.a.	S 28
M29	5 58 47	0♑48'28	5♊16	8°44	17°35	14°56	21°58	10°19	13°43	10°41	29°25	24°30	26° 5	13°21	n.a.	M29
T 30	6 2 43	1°49'22	20°31	10° 6	18°37	14°34	22°12	10°15	13°45	10°41	29°26	24°22	26° 2	13°28	n.a.	T 30
W31	6 6 40	2♑50'15	5♋48	11♐29	19♒39	14♋12	22♐26	10♌12	13♓46	10♎42	29♑28	24♒14	25♒59	13♐35	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	20s55	24n40	5n 0	15s20	3n 4	24s50	2s 8	25n13	3n 5	23s 4	0s 6	19n11	1n33	7s20	0s46	2s16	1n58	32s44	12s20	12s36	12s29	27s16			n.a.
T 2	21 7	27 24	4 49	15 2	3 8	24 39	2 6	25 16	3 8	23 5	0 6	19 11	1 34	7 20	0 46	2 16	1 58	32 43	12 20	12 40	12 30	27 17			n.a.
W 3	21 18	28 3	4 18	14 49	3 11	24 28	2 5	25 19	3 10	23 7	0 6	19 11	1 34	7 20	0 45	2 17	1 58	32 43	12 20	12 43	12 32	27 17			n.a.
T 4	21 30	26 36	3 29	14 40	3 12	24 16	2 3	25 22	3 13	23 8	0 6	19 12	1 34	7 20	0 45	2 17	1 58	32 43	12 20	12 46	12 33	27 18			n.a.
F 5	21 41	23 21	2 27	14 35	3 10	24 3	2 1	25 25	3 15	23 10	0 6	19 12	1 34	7 19	0 45	2 18	1 58	32 42	12 20	12 48	12 34	27 19			n.a.
S 6	21 51	18 47	1 18	14 35	3 8	23 50	1 58	25 28	3 18	23 11	0 6	19 12	1 35	7 19	0 45	2 19	1 58	32 42	12 19	12 49	12 35	27 20			n.a.
S 7	22 1	13 22	0 7	14 38	3 4	23 36	1 56	25 32	3 21	23 13	0 6	19 13	1 35	7 19	0 45	2 19	1 59	32 41	12 19	12 49	12 36	27 21			n.a.
M 8	22 11	7 31	1s 3	14 45	2 59	23 21	1 54	25 35	3 23	23 15	0 6	19 13	1 35	7 19	0 45	2 20	1 59	32 41	12 19	12 49	12 37	27 21			n.a.
T 9	22 20	1 32	2 7	14 55	2 54	23 6	1 51	25 39	3 26	23 16	0 7	19 14	1 35	7 19	0 45	2 20	1 59	32 40	12 19	12 49	12 38	27 22			n.a.
W10	22 28	4s22	3 3	15 7	2 47	22 50	1 48	25 43	3 29	23 17	0 7	19 15	1 36	7 18	0 45	2 20	1 59	32 40	12 19	12 50	12 39	27 23			n.a.
T 11	22 37	9 58	3 50	15 22	2 40	22 34	1 46	25 47	3 31	23 19	0 7	19 15	1 36	7 18	0 45	2 21	1 59	32 39	12 18	12 52	12 40	27 24			n.a.
F 12	22 45	15 8	4 26	15 38	2 32	22 17	1 43	25 51	3 34	23 20	0 7	19 16	1 36	7 18	0 45	2 21	1 59	32 39	12 18	12 54	12 41	27 24			n.a.
S 13	22 52	19 40	4 49	15 57	2 24	21 59	1 40	25 55	3 36	23 22	0 7	19 16	1 36	7 18	0 45	2 22	1 59	32 38	12 18	12 58	12 43	27 25			n.a.
S 14	22 59	23 24	5 0	16 17	2 16	21 41	1 36	25 59	3 39	23 23	0 7	19 17	1 36	7 17	0 45	2 22	1 59	32 38	12 18	13 2	12 44	27 26			n.a.
M15	23 5	26 8	4 58	16 38	2 7	21 23	1 33	26 3	3 41	23 24	0 7	19 18	1 37	7 17	0 45	2 23	1 59	32 38	12 18	13 7	12 45	27 27			n.a.
T 16	23 11	27 42	4 42	16 59	1 59	21 4	1 29	26 8	3 44	23 26	0 7	19 19	1 37	7 17	0 45	2 23	1 59	32 37	12 18	13 12	12 46	27 27			n.a.
W17	23 17	28 0	4 15	17 22	1 50	20 44	1 26	26 12	3 46	23 27	0 7	19 19	1 37	7 16	0 45	2 23	1 59	32 37	12 17	13 16	12 47	27 28			n.a.
T 18	23 22	27 0	3 36	17 45	1 41	20 24	1 22	26 17	3 49	23 28	0 7	19 20	1 37	7 16	0 45	2 24	1 59	32 36	12 17	13 20	12 48	27 29			n.a.
F 19	23 27	24 46	2 47	18 9	1 32	20 4	1 18	26 21	3 51	23 30	0 8	19 21	1 38	7 15	0 45	2 24	1 59	32 36	12 17	13 22	12 49	27 29			n.a.
S 20	23 31	21 23	1 50	18 33	1 23	19 43	1 14	26 26	3 53	23 31	0 8	19 22	1 38	7 15	0 45	2 25	1 59	32 35	12 17	13 24	12 50	27 30			n.a.
S 21	23 34	17 4	0 48	18 57	1 14	19 21	1 10	26 30	3 55	23 32	0 8	19 23	1 38	7 15	0 45	2 25	1 59	32 35	12 17	13 25	12 51	27 31			n.a.
M22	23 38	11 58	0n18	19 21	1 5	19 0	1 6	26 35	3 58	23 33	0 8	19 23	1 38	7 14	0 45	2 25	1 59	32 34	12 17	13 25	12 52	27 31			n.a.
T 23	23 40	6 16	1 25	19 44	0 56	18 38	1 1	26 39	4 0	23 34	0 8	19 24	1 38	7 14	0 45	2 25	2 0	32 34	12 17	13 25	12 54	27 32			n.a.
W24	23 42	0 11	2 29	20 8	0 47	18 15	0 57	26 44	4 2	23 35	0 8	19 25	1 39	7 13	0 45	2 26	2 0	32 34	12 16	13 25	12 55	27 33			n.a.
T 25	23 44	6n 6	3 27	20 31	0 39	17 52	0 52	26 48	4 4	23 36	0 8	19 26	1 39	7 13	0 45	2 26	2 0	32 33	12 16	13 25	12 56	27 33			n.a.
F 26	23 46	12 17	4 15	20 54	0 30	17 29	0 47	26 53	4 6	23 37	0 8	19 27	1 39	7 12	0 45	2 26	2 0	32 33	12 16	13 26	12 57	27 34			n.a.
S 27	23 46	18 3	4 48	21 16	0 22	17 5	0 42	26 57	4 8	23 39	0 8	19 28	1 39	7 11	0 45	2 27	2 0	32 32	12 16	13 27	12 58	27 35			n.a.
S 28	23 47	22 55	5 5	21 38	0 13	16 41	0 37	27 1	4 10	23 40	0 9	19 29	1 40	7 11	0 44	2 27	2 0	32 32	12 16	13 30	12 59	27 35			n.a.
M29	23 47	26 24	5 0	21 59	0 5	16 17	0 32	27 5	4 11	23 41	0 9	19 30	1 40	7 10	0 44	2 27	2 0	32 31	12 16	13 32	13 0	27 36			n.a.
T 30	23 46	28 0	4 35	22 20	0s 3	15 53	0 27	27 10	4 13	23 42	0 9	19 31	1 40	7 10	0 44	2 27	2 0	32 31	12 16	13 35	13 1	27 37			n.a.
W31	23s45	27n28	3n49	22s39	0s11	15s28	0s21	27n14	4n14	23s42	0s 9	19n32	1n40	7s 9	0s44	2s27	2n 0	32s30	12s16	13s38	13s 2	27s37			n.a.

Julian Day Number = 1475578.5, Delta T = 05h27m11s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'10, Lahiri = -13°15'09 Julian Calendar 1 Dec. 674 BCE == Greg. Calendar 24 Nov. 674 BCE

The year -673 astronomical counting style corresponds to year 674 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

JANUARY 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 10 36	3♉51'06	20♋54	12♐53	20♒40	13°R49	22♐40	10°R 9	13♓48	10♎43	29♉29	24°R 8	25♒56	13♐42	n.a.	T 1
F 2	6 14 33	4°51'57	5♌40	14°18	21°41	13♋26	22°55	10♌ 6	13°50	10°43	29°31	24♒ 4	25°52	13°48	n.a.	F 2
S 3	6 18 30	5°52'46	20° 0	15°44	22°41	13° 3	23° 8	10° 2	13°51	10°44	29°32	24°D 3	25°49	13°55	n.a.	S 3
S 4	6 22 26	6°53'33	3♍52	17°10	23°41	12°40	23°22	9°59	13°53	10°44	29°34	24° 3	25°46	14° 2	n.a.	S 4
M 5	6 26 23	7°54'20	17°15	18°38	24°41	12°16	23°36	9°55	13°55	10°45	29°35	24° 4	25°43	14° 9	n.a.	M 5
T 6	6 30 19	8°55'05	0♎12	20° 7	25°40	11°52	23°50	9°51	13°57	10°45	29°37	24° 5	25°40	14°15	n.a.	T 6
W 7	6 34 16	9°55'49	12°47	21°36	26°38	11°28	24° 4	9°48	13°59	10°46	29°39	24°R 6	25°37	14°22	n.a.	W 7
T 8	6 38 12	10°56'32	25° 5	23° 7	27°36	11° 4	24°18	9°44	14° 1	10°46	29°40	24° 5	25°33	14°29	n.a.	T 8
F 9	6 42 9	11°57'13	7♏ 9	24°38	28°34	10°40	24°32	9°40	14° 2	10°47	29°42	24° 1	25°30	14°35	n.a.	F 9
S 10	6 46 5	12°57'54	19° 6	26°10	29°31	10°16	24°46	9°36	14° 4	10°47	29°43	23°56	25°27	14°42	n.a.	S 10
S 11	6 50 2	13°58'32	0♐58	27°43	0♓27	9°52	25° 0	9°32	14° 6	10°47	29°45	23°50	25°24	14°49	n.a.	S 11
M12	6 53 59	14°59'10	12°48	29°17	1°23	9°29	25°13	9°28	14° 9	10°47	29°47	23°42	25°21	14°56	n.a.	M12
T 13	6 57 55	15°59'46	24°40	0♉52	2°18	9° 5	25°27	9°24	14°11	10°48	29°48	23°35	25°17	15° 2	n.a.	T 13
W14	7 1 52	17° 0'20	6♉36	2°27	3°12	8°42	25°41	9°20	14°13	10°48	29°50	23°28	25°14	15° 9	n.a.	W14
T 15	7 5 48	18° 0'53	18°36	4° 4	4° 6	8°19	25°54	9°16	14°15	10°48	29°51	23°22	25°11	15°16	n.a.	T 15
F 16	7 9 45	19° 1'24	0♒43	5°41	4°59	7°56	26° 8	9°11	14°17	10°48	29°53	23°18	25° 8	15°22	n.a.	F 16
S 17	7 13 41	20° 1'53	12°58	7°20	5°52	7°33	26°22	9° 7	14°20	10°48	29°55	23°16	25° 5	15°29	n.a.	S 17
S 18	7 17 38	21° 2'20	25°22	8°59	6°44	7°11	26°35	9° 3	14°22	10°48	29°56	23°D15	25° 2	15°36	n.a.	S 18
M19	7 21 34	22° 2'45	7♓58	10°39	7°35	6°50	26°49	8°58	14°24	10°R48	29°58	23°16	24°58	15°43	n.a.	M19
T 20	7 25 31	23° 3'08	20°47	12°21	8°25	6°28	27° 2	8°54	14°27	10°48	29°59	23°17	24°55	15°49	n.a.	T 20
W21	7 29 28	24° 3'29	3♈53	14° 3	9°14	6° 8	27°16	8°49	14°29	10°48	0♒ 1	23°19	24°52	15°56	n.a.	W21
T 22	7 33 24	25° 3'48	17°16	15°46	10° 3	5°48	27°29	8°45	14°32	10°48	0° 3	23°20	24°49	16° 3	n.a.	T 22
F 23	7 37 21	26° 4'04	1♉ 0	17°30	10°50	5°28	27°42	8°40	14°34	10°48	0° 5	23°R20	24°46	16° 9	n.a.	F 23
S 24	7 41 17	27° 4'19	15° 5	19°15	11°37	5° 9	27°56	8°36	14°37	10°48	0° 6	23°19	24°43	16°16	n.a.	S 24
S 25	7 45 14	28° 4'31	29°30	21° 1	12°23	4°51	28° 9	8°31	14°39	10°48	0° 8	23°17	24°39	16°23	n.a.	S 25
M26	7 49 10	29° 4'41	14♊12	22°48	13° 7	4°33	28°22	8°26	14°42	10°48	0°10	23°14	24°36	16°30	n.a.	M26
T 27	7 53 7	0♒ 4'49	29° 4	24°36	13°51	4°16	28°35	8°22	14°44	10°47	0°11	23°11	24°33	16°36	n.a.	T 27
W28	7 57 3	1° 4'55	14♋ 0	26°26	14°34	4° 0	28°48	8°17	14°47	10°47	0°13	23° 8	24°30	16°43	n.a.	W28
T 29	8 1 0	2° 4'59	28°52	28°16	15°15	3°44	29° 1	8°12	14°50	10°47	0°15	23° 5	24°27	16°50	n.a.	T 29
F 30	8 4 57	3° 5'00	13♌30	0♒ 7	15°55	3°29	29°14	8° 8	14°52	10°46	0°16	23° 4	24°23	16°56	n.a.	F 30
S 31	8 8 53	4♒ 5'00	27♌49	1♒59	16♓34	3♋15	29♐27	8♌ 3	14♓55	10♎46	0♒18	23°D 4	24♒20	17♐ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s43	24n54	2n48	22 s58	0 s18	15 s 3	0 s16	27n17	4n16	23 s43	0 s 9	19n33	1n40	7 s 8	0 s44	2 s28	2n 0	32 s30	12 s16	13 s40	13 s 3	27 s38			n.a.
F 2	23 41	20 42	1 37	23 16	0 26	14 38	0 10	27 21	4 17	23 44	0 9	19 35	1 41	7 8	0 44	2 28	2 0	32 30	12 16	13 41	13 4	27 38			n.a.
S 3	23 39	15 22	0 22	23 33	0 33	14 13	0 4	27 25	4 19	23 45	0 9	19 36	1 41	7 7	0 44	2 28	2 0	32 29	12 15	13 42	13 6	27 39			n.a.
S 4	23 36	9 25	0 s53	23 49	0 40	13 47	0n 2	27 28	4 20	23 46	0 9	19 37	1 41	7 6	0 44	2 28	2 0	32 29	12 15	13 42	13 7	27 39			n.a.
M 5	23 32	3 14	2 2	24 3	0 47	13 21	0 8	27 32	4 21	23 47	0 9	19 38	1 41	7 5	0 44	2 28	2 0	32 28	12 15	13 41	13 8	27 40			n.a.
T 6	23 28	2 s52	3 3	24 17	0 53	12 55	0 14	27 35	4 22	23 48	0 10	19 39	1 41	7 5	0 44	2 28	2 0	32 28	12 15	13 41	13 9	27 41			n.a.
W 7	23 24	8 41	3 53	24 30	0 59	12 29	0 21	27 38	4 23	23 48	0 10	19 40	1 41	7 4	0 44	2 28	2 1	32 27	12 15	13 41	13 10	27 41			n.a.
T 8	23 19	14 1	4 31	24 41	1 6	12 3	0 27	27 41	4 23	23 49	0 10	19 42	1 42	7 3	0 44	2 29	2 1	32 27	12 15	13 41	13 11	27 42			n.a.
F 9	23 14	18 45	4 56	24 51	1 11	11 37	0 34	27 44	4 24	23 50	0 10	19 43	1 42	7 2	0 44	2 29	2 1	32 27	12 15	13 42	13 12	27 42			n.a.
S 10	23 8	22 40	5 8	25 0	1 17	11 10	0 41	27 46	4 25	23 50	0 10	19 44	1 42	7 2	0 44	2 29	2 1	32 26	12 15	13 44	13 13	27 43			n.a.
S 11	23 2	25 38	5 7	25 8	1 22	10 44	0 48	27 49	4 25	23 51	0 10	19 45	1 42	7 1	0 44	2 29	2 1	32 26	12 15	13 46	13 14	27 43			n.a.
M12	22 55	27 29	4 52	25 14	1 27	10 17	0 55	27 51	4 25	23 52	0 10	19 47	1 42	7 0	0 44	2 29	2 1	32 25	12 15	13 48	13 15	27 44			n.a.
T 13	22 48	28 5	4 25	25 19	1 32	9 50	1 2	27 53	4 26	23 52	0 10	19 48	1 43	6 59	0 44	2 29	2 1	32 25	12 15	13 51	13 16	27 44			n.a.
W14	22 41	27 23	3 47	25 22	1 36	9 24	1 9	27 54	4 26	23 53	0 11	19 49	1 43	6 58	0 44	2 29	2 1	32 24	12 15	13 53	13 17	27 45			n.a.
T 15	22 33	25 24	2 57	25 23	1 41	8 57	1 17	27 56	4 26	23 53	0 11	19 51	1 43	6 57	0 44	2 29	2 1	32 24	12 15	13 55	13 19	27 45			n.a.
F 16	22 24	22 14	2 0	25 23	1 44	8 31	1 24	27 57	4 26	23 54	0 11	19 52	1 43	6 56	0 44	2 29	2 1	32 24	12 15	13 57	13 20	27 46			n.a.
S 17	22 16	18 3	0 56	25 22	1 48	8 4	1 32	27 59	4 26	23 55	0 11	19 53	1 43	6 55	0 44	2 29	2 1	32 23	12 15	13 57	13 21	27 46			n.a.
S 18	22 6	13 4	0n12	25 19	1 51	7 37	1 40	28 0	4 25	23 55	0 11	19 54	1 43	6 55	0 44	2 29	2 1	32 23	12 15	13 58	13 22	27 47			n.a.
M19	21 57	7 28	1 20	25 14	1 54	7 11	1 48	28 0	4 25	23 55	0 11	19 56	1 43	6 54	0 44	2 29	2 1	32 22	12 15	13 57	13 23	27 47			n.a.
T 20	21 47	1 29	2 25	25 7	1 56	6 45	1 56	28 1	4 24	23 56	0 11	19 57	1 44	6 53	0 44	2 29	2 1	32 22	12 15	13 57	13 24	27 47			n.a.
W21	21 36	4n41	3 24	24 59	1 58	6 18	2 4	28 2	4 24	23 56	0 11	19 58	1 44	6 52	0 44	2 29	2 1	32 22	12 15	13 56	13 25	27 48			n.a.
T 22	21 25	10 46	4 14	24 49	2 0	5 52	2 12	28 2	4 23	23 57	0 12	20 0	1 44	6 51	0 44	2 28	2 2	32 21	12 15	13 56	13 26	27 48			n.a.
F 23	21 14	16 31	4 50	24 37	2 1	5 26	2 21	28 2	4 22	23 57	0 12	20 1	1 44	6 50	0 44	2 28	2 2	32 21	12 15	13 56	13 27	27 49			n.a.
S 24	21 2	21 32	5 11	24 23	2 2	5 1	2 29	28 2	4 22	23 57	0 12	20 2	1 44	6 49	0 44	2 28	2 2	32 21	12 15	13 56	13 28	27 49			n.a.
S 25	20 50	25 24	5 12	24 7	2 2	4 35	2 38	28 2	4 21	23 58	0 12	20 4	1 44	6 48	0 44	2 28	2 2	32 20	12 15	13 57	13 29	27 50			n.a.
M26	20 38	27 41	4 53	23 50	2 2	4 10	2 47	28 1	4 20	23 58	0 12	20 5	1 44	6 47	0 43	2 28	2 2	32 20	12 15	13 58	13 30	27 50			n.a.
T 27	20 25	28 1	4 15	23 30	2 2	3 45	2 55	28 1	4 19	23 58	0 12	20 7	1 44	6 45	0 43	2 28	2 2	32 20	12 15	13 59	13 31	27 50			n.a.
W28	20 12	26 19	3 19	23 8	2 1	3 20	3 4	28 0	4 17	23 59	0 12	20 8	1 45	6 44	0 43	2 28	2 2	32 19	12 15	14 0	13 33	27 51			n.a.
T 29	19 59	22 47	2 9	22 45	1 59	2 55	3 13	28 0	4 16	23 59	0 12	20 9	1 45	6 43	0 43	2 27	2 2	32 19	12 15	14 1	13 34	27 51			n.a.
F 30	19 45	17 51	0 53	22 19	1 57	2 31	3 23	27 59	4 15	23 59	0 13	20 11	1 45	6 42	0 43	2 27	2 2	32 18	12 15	14 1	13 35	27 51			n.a.
S 31	19 s30	12n 0	0 s26	21 s51	1 s55	2 s 8	3n32	27n58	4n14	23 s59	0 s13	20n12	1n45	6 s41	0 s43	2 s27	2n 2	32 s18	12 s15	14 s 1	13 s36	27 s52			n.a.

Julian Day Number = 1475609.5, Delta T = 05h27m09s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'06, Lahiri = -13°15'05 Julian Calendar 1 Jan. 673 BCE == Greg. Calendar 25 Dec. 674 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

FEBRUARY 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 12 50	5♒ 4'57	11♍44	3♒53	17♓12	3°R 2	29♐40	7°R58	14♓58	10°R46	0♒20	23♒ 5	24♒17	17♐10	n.a.	S 1
M 2	8 16 46	6° 4'53	25°14	5°47	17°49	2♋49	29°53	7♌53	15° 1	10♎45	0°21	23° 6	24°14	17°17	n.a.	M 2
T 3	8 20 43	7° 4'47	8♎18	7°42	18°24	2°37	0♑ 5	7°49	15° 4	10°45	0°23	23° 7	24°11	17°23	n.a.	T 3
W 4	8 24 39	8° 4'39	21° 0	9°38	18°58	2°26	0°18	7°44	15° 7	10°44	0°24	23° 8	24° 8	17°30	n.a.	W 4
T 5	8 28 36	9° 4'29	3♏23	11°35	19°30	2°15	0°31	7°39	15° 9	10°44	0°26	23° 9	24° 4	17°37	n.a.	T 5
F 6	8 32 32	10° 4'17	15°31	13°33	20° 1	2° 6	0°43	7°34	15°12	10°43	0°28	23°R 9	24° 1	17°43	n.a.	F 6
S 7	8 36 29	11° 4'04	27°29	15°31	20°30	1°57	0°56	7°30	15°15	10°42	0°29	23° 8	23°58	17°50	n.a.	S 7
S 8	8 40 26	12° 3'49	9♐21	17°29	20°57	1°49	1° 8	7°25	15°18	10°42	0°31	23° 7	23°55	17°57	n.a.	S 8
M 9	8 44 22	13° 3'32	21°12	19°28	21°23	1°42	1°20	7°20	15°21	10°41	0°33	23° 6	23°52	18° 4	n.a.	M 9
T 10	8 48 19	14° 3'13	3♑ 5	21°27	21°47	1°35	1°33	7°16	15°24	10°41	0°34	23° 5	23°49	18°10	n.a.	T 10
W11	8 52 15	15° 2'52	15° 4	23°25	22°10	1°29	1°45	7°11	15°27	10°40	0°36	23° 3	23°45	18°17	n.a.	W11
T 12	8 56 12	16° 2'29	27°12	25°24	22°30	1°25	1°57	7° 6	15°30	10°39	0°38	23° 2	23°42	18°24	n.a.	T 12
F 13	9 0 8	17° 2'04	9♒30	27°21	22°49	1°21	2° 9	7° 2	15°34	10°38	0°39	23° 2	23°39	18°30	n.a.	F 13
S 14	9 4 5	18° 1'36	22° 1	29°17	23° 5	1°17	2°21	6°57	15°37	10°37	0°41	23°D 2	23°36	18°37	n.a.	S 14
S 15	9 8 1	19° 1'07	4♓44	1♓12	23°20	1°15	2°33	6°52	15°40	10°37	0°42	23° 2	23°33	18°44	n.a.	S 15
M16	9 11 58	20° 0'35	17°40	3° 5	23°32	1°13	2°44	6°48	15°43	10°36	0°44	23° 2	23°29	18°51	n.a.	M16
T 17	9 15 54	21° 0'01	0♈50	4°56	23°42	1°12	2°56	6°43	15°46	10°35	0°45	23° 2	23°26	18°57	n.a.	T 17
W18	9 19 51	21°59'25	14°13	6°44	23°50	1°D12	3° 8	6°39	15°49	10°34	0°47	23° 2	23°23	19° 4	n.a.	W18
T 19	9 23 48	22°58'46	27°50	8°29	23°56	1°12	3°19	6°34	15°53	10°33	0°49	23°R 3	23°20	19°11	n.a.	T 19
F 20	9 27 44	23°58'05	11♉40	10°10	23°59	1°13	3°31	6°30	15°56	10°32	0°50	23° 3	23°17	19°17	n.a.	F 20
S 21	9 31 41	24°57'21	25°42	11°47	24°R 0	1°15	3°42	6°25	15°59	10°31	0°52	23°D 2	23°14	19°24	n.a.	S 21
S 22	9 35 37	25°56'35	9♊55	13°20	23°58	1°18	3°53	6°21	16° 2	10°30	0°53	23° 3	23°10	19°31	n.a.	S 22
M23	9 39 34	26°55'46	24°16	14°48	23°54	1°21	4° 5	6°17	16° 6	10°29	0°55	23° 3	23° 7	19°37	n.a.	M23
T 24	9 43 30	27°54'55	8♋42	16°10	23°48	1°25	4°16	6°13	16° 9	10°28	0°56	23° 3	23° 4	19°44	n.a.	T 24
W25	9 47 27	28°54'02	23°10	17°28	23°39	1°30	4°27	6° 8	16°12	10°27	0°58	23° 4	23° 1	19°51	n.a.	W25
T 26	9 51 23	29°53'06	7♌34	18°39	23°27	1°35	4°37	6° 4	16°15	10°26	0°59	23° 4	22°58	19°58	n.a.	T 26
F 27	9 55 20	0♓52'08	21°50	19°45	23°13	1°41	4°48	6° 0	16°19	10°25	1° 1	23°R 4	22°54	20° 4	n.a.	F 27
S 28	9 59 17	1°51'07	5♍52	20°44	22°56	1°48	4°59	5°56	16°22	10°23	1° 2	23° 4	22°51	20°11	n.a.	S 28
S 29	10 3 13	2♓50'05	19♍37	21♓36	22♓37	1♋55	5♑10	5♌52	16♓25	10♎22	1♒ 4	23♒ 4	22♒48	20♐18	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s16	5n42	1s41	21s22	1s52	1s44	3n41	27n57	4n12	23s59	0s13	20n13	1n45	6s40	0s43	2s27	2n 2	32s18	12s15	14s 1	13s37	27s52		n.a.
M 2	19 1	0s39	2 48	20 50	1 48	1 21	3 50	27 56	4 11	24 0	0 13	20 15	1 45	6 39	0 43	2 27	2 2	32 17	12 15	14 1	13 38	27 52		n.a.
T 3	18 46	6 46	3 45	20 16	1 44	0 59	4 0	27 54	4 9	24 0	0 13	20 16	1 45	6 38	0 43	2 26	2 2	32 17	12 15	14 0	13 39	27 53		n.a.
W 4	18 30	12 26	4 28	19 41	1 39	0 37	4 10	27 53	4 8	24 0	0 13	20 17	1 45	6 37	0 43	2 26	2 2	32 17	12 15	14 0	13 40	27 53		n.a.
T 5	18 14	17 28	4 58	19 3	1 33	0 15	4 19	27 52	4 6	24 0	0 13	20 19	1 45	6 35	0 43	2 26	2 2	32 17	12 15	14 0	13 41	27 53		n.a.
F 6	17 58	21 42	5 13	18 23	1 27	0n 6	4 29	27 50	4 5	24 0	0 13	20 20	1 45	6 34	0 43	2 26	2 3	32 16	12 15	14 0	13 42	27 54		n.a.
S 7	17 42	24 59	5 15	17 42	1 21	0 26	4 38	27 49	4 3	24 0	0 14	20 21	1 45	6 33	0 43	2 25	2 3	32 16	12 16	14 0	13 43	27 54		n.a.
S 8	17 25	27 10	5 4	16 59	1 13	0 46	4 48	27 47	4 1	24 0	0 14	20 23	1 46	6 32	0 43	2 25	2 3	32 16	12 16	14 0	13 44	27 54		n.a.
M 9	17 8	28 7	4 39	16 14	1 6	1 6	4 58	27 45	3 59	24 0	0 14	20 24	1 46	6 31	0 43	2 25	2 3	32 15	12 16	14 1	13 45	27 55		n.a.
T 10	16 51	27 47	4 3	15 27	0 57	1 24	5 8	27 44	3 58	24 0	0 14	20 25	1 46	6 30	0 43	2 24	2 3	32 15	12 16	14 1	13 46	27 55		n.a.
W11	16 33	26 9	3 15	14 39	0 48	1 42	5 17	27 42	3 56	24 0	0 14	20 26	1 46	6 28	0 43	2 24	2 3	32 15	12 16	14 1	13 47	27 55		n.a.
T 12	16 15	23 16	2 18	13 50	0 38	1 59	5 27	27 40	3 54	24 0	0 14	20 28	1 46	6 27	0 43	2 24	2 3	32 14	12 16	14 2	13 49	27 55		n.a.
F 13	15 57	19 19	1 14	13 0	0 28	2 15	5 37	27 39	3 52	24 0	0 14	20 29	1 46	6 26	0 43	2 23	2 3	32 14	12 16	14 2	13 50	27 56		n.a.
S 14	15 39	14 27	0 6	12 9	0 17	2 31	5 47	27 37	3 50	24 0	0 15	20 30	1 46	6 25	0 43	2 23	2 3	32 14	12 16	14 2	13 51	27 56		n.a.
S 15	15 20	8 55	1n 4	11 17	0 6	2 45	5 56	27 35	3 49	24 0	0 15	20 31	1 46	6 23	0 43	2 22	2 3	32 14	12 16	14 2	13 52	27 56		n.a.
M16	15 1	2 55	2 12	10 26	0n 6	2 59	6 6	27 33	3 47	24 0	0 15	20 33	1 46	6 22	0 43	2 22	2 3	32 13	12 17	14 2	13 53	27 56		n.a.
T 17	14 42	3n18	3 15	9 34	0 18	3 12	6 15	27 31	3 45	24 0	0 15	20 34	1 46	6 21	0 43	2 22	2 3	32 13	12 17	14 2	13 54	27 56		n.a.
W18	14 23	9 28	4 7	8 42	0 30	3 23	6 24	27 29	3 43	24 0	0 15	20 35	1 46	6 20	0 43	2 21	2 3	32 13	12 17	14 2	13 55	27 57		n.a.
T 19	14 3	15 18	4 47	7 51	0 43	3 34	6 33	27 27	3 41	23 59	0 15	20 36	1 46	6 18	0 43	2 21	2 3	32 13	12 17	14 2	13 56	27 57		n.a.
F 20	13 43	20 28	5 11	7 0	0 56	3 43	6 42	27 26	3 39	23 59	0 15	20 37	1 46	6 17	0 43	2 20	2 3	32 13	12 17	14 2	13 57	27 57		n.a.
S 21	13 23	24 34	5 17	6 11	1 9	3 51	6 51	27 24	3 37	23 59	0 16	20 38	1 46	6 16	0 43	2 20	2 3	32 12	12 17	14 2	13 58	27 57		n.a.
S 22	13 3	27 15	5 3	5 23	1 22	3 59	6 59	27 22	3 35	23 59	0 16	20 40	1 46	6 14	0 43	2 20	2 3	32 12	12 18	14 2	13 59	27 57		n.a.
M23	12 43	28 10	4 31	4 37	1 34	4 4	7 7	27 20	3 33	23 59	0 16	20 41	1 46	6 13	0 43	2 19	2 4	32 12	12 18	14 2	14 0	27 57		n.a.
T 24	12 22	27 11	3 42	3 54	1 47	4 9	7 15	27 18	3 32	23 59	0 16	20 42	1 46	6 12	0 43	2 19	2 4	32 12	12 18	14 2	14 1	27 58		n.a.
W25	12 1	24 21	2 38	3 12	1 59	4 12	7 23	27 16	3 30	23 58	0 16	20 43	1 46	6 10	0 43	2 18	2 4	32 12	12 18	14 1	14 2	27 58		n.a.
T 26	11 40	20 0	1 25	2 33	2 11	4 14	7 29	27 14	3 28	23 58	0 16	20 44	1 46	6 9	0 43	2 18	2 4	32 11	12 18	14 1	14 3	27 58		n.a.
F 27	11 19	14 32	0 7	1 57	2 22	4 14	7 36	27 12	3 26	23 58	0 17	20 45	1 46	6 8	0 43	2 17	2 4	32 11	12 18	14 1	14 4	27 58		n.a.
S 28	10 58	8 24	1s10	1 24	2 33	4 13	7 42	27 10	3 24	23 58	0 17	20 46	1 46	6 7	0 43	2 17	2 4	32 11	12 19	14 1	14 5	27 58		n.a.
S 29	10s36	2n 0	2s22	0s53	2n43	4n10	7n47	27n 8	3n22	23s57	0s17	20n47	1n46	6s 5	0s43	2s16	2n 4	32s11	12s19	14s 1	14s 7	27s58		n.a.

Julian Day Number = 1475640.5, Delta T = 05h27m07s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°22'01, Lahiri = -13°15'01 Julian Calendar 1 Feb. 673 BCE == Greg. Calendar 25 Jan. 673 BCE

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

MARCH 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 7 10	3♓49'00	3♎ 2	22♓22	22°R16	2♋ 3	5♑20	5°R48	16♓29	10°R21	1♒ 5	23°R 2	22♒45	20♐24	n.a.	M 1
T 2	10 11 6	4°47'53	16° 6	23° 2	21♓52	2°12	5°30	5♌44	16°32	10♎20	1° 7	23♒ 1	22°42	20°31	n.a.	T 2
W 3	10 15 3	5°46'45	28°51	23°34	21°27	2°21	5°41	5°41	16°36	10°19	1° 8	22°59	22°39	20°38	n.a.	W 3
T 4	10 18 59	6°45'34	11♏17	24° 0	20°59	2°31	5°51	5°37	16°39	10°17	1° 9	22°58	22°35	20°45	n.a.	T 4
F 5	10 22 56	7°44'22	23°28	24°19	20°29	2°41	6° 1	5°33	16°42	10°16	1°11	22°56	22°32	20°51	n.a.	F 5
S 6	10 26 52	8°43'08	5♐28	24°31	19°58	2°52	6°11	5°30	16°46	10°15	1°12	22°D56	22°29	20°58	n.a.	S 6
S 7	10 30 49	9°41'52	17°21	24°R36	19°25	3° 3	6°21	5°26	16°49	10°13	1°14	22°56	22°26	21° 5	n.a.	S 7
M 8	10 34 45	10°40'34	29°13	24°35	18°50	3°15	6°31	5°23	16°52	10°12	1°15	22°57	22°23	21°11	n.a.	M 8
T 9	10 38 42	11°39'14	11♑ 8	24°27	18°14	3°28	6°40	5°19	16°56	10°11	1°16	22°58	22°20	21°18	n.a.	T 9
W10	10 42 39	12°37'53	23°10	24°14	17°38	3°41	6°50	5°16	16°59	10° 9	1°18	23° 0	22°16	21°25	n.a.	W10
T 11	10 46 35	13°36'29	5♒23	23°55	17° 1	3°54	6°59	5°13	17° 3	10° 8	1°19	23° 1	22°13	21°32	n.a.	T 11
F 12	10 50 32	14°35'04	17°51	23°31	16°23	4° 8	7° 8	5°10	17° 6	10° 6	1°20	23°R 2	22°10	21°38	n.a.	F 12
S 13	10 54 28	15°33'37	0♓35	23° 2	15°45	4°23	7°17	5° 7	17°10	10° 5	1°21	23° 2	22° 7	21°45	n.a.	S 13
S 14	10 58 25	16°32'08	13°38	22°29	15° 7	4°38	7°27	5° 4	17°13	10° 4	1°23	23° 1	22° 4	21°52	n.a.	S 14
M15	11 2 21	17°30'36	26°58	21°53	14°29	4°53	7°35	5° 1	17°16	10° 2	1°24	22°58	22° 0	21°58	n.a.	M15
T 16	11 6 18	18°29'03	10♈34	21°15	13°52	5° 9	7°44	4°58	17°20	10° 1	1°25	22°55	21°57	22° 5	n.a.	T 16
W17	11 10 14	19°27'27	24°23	20°34	13°15	5°26	7°53	4°55	17°23	9°59	1°26	22°51	21°54	22°12	n.a.	W17
T 18	11 14 11	20°25'50	8♉24	19°52	12°39	5°43	8° 1	4°53	17°27	9°58	1°27	22°47	21°51	22°18	n.a.	T 18
F 19	11 18 8	21°24'10	22°31	19°10	12° 5	6° 0	8°10	4°50	17°30	9°56	1°29	22°44	21°48	22°25	n.a.	F 19
S 20	11 22 4	22°22'29	6♊42	18°29	11°32	6°18	8°18	4°48	17°34	9°55	1°30	22°42	21°45	22°32	n.a.	S 20
S 21	11 26 1	23°20'45	20°55	17°48	11° 0	6°36	8°26	4°45	17°37	9°53	1°31	22°D41	21°41	22°39	n.a.	S 21
M22	11 29 57	24°18'58	5♋ 6	17°10	10°31	6°54	8°34	4°43	17°40	9°52	1°32	22°41	21°38	22°45	n.a.	M22
T 23	11 33 54	25°17'10	19°14	16°33	10° 3	7°13	8°42	4°41	17°44	9°50	1°33	22°42	21°35	22°52	n.a.	T 23
W24	11 37 50	26°15'20	3♌17	16° 0	9°37	7°33	8°50	4°39	17°47	9°48	1°34	22°44	21°32	22°59	n.a.	W24
T 25	11 41 47	27°13'27	17°14	15°31	9°13	7°52	8°57	4°37	17°51	9°47	1°35	22°R45	21°29	23° 5	n.a.	T 25
F 26	11 45 43	28°11'32	1♍ 2	15° 5	8°52	8°12	9° 5	4°35	17°54	9°45	1°36	22°45	21°26	23°12	n.a.	F 26
S 27	11 49 40	29° 9'35	14°39	14°43	8°32	8°33	9°12	4°33	17°57	9°44	1°37	22°43	21°22	23°19	n.a.	S 27
S 28	11 53 36	0♈ 7'37	28° 4	14°26	8°16	8°54	9°19	4°31	18° 1	9°42	1°38	22°39	21°19	23°25	n.a.	S 28
M29	11 57 33	1° 5'36	11♎14	14°14	8° 1	9°15	9°26	4°30	18° 4	9°41	1°39	22°34	21°16	23°32	n.a.	M29
T 30	12 1 30	2° 3'34	24° 9	14° 6	7°49	9°36	9°33	4°28	18° 7	9°39	1°40	22°27	21°13	23°39	n.a.	T 30
W31	12 5 26	3♈ 1'30	6♏47	14°D 3	7♓40	9♋58	9♑39	4♌27	18♓11	9♎37	1♒41	22♒20	21♒10	23♐46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	10s15	4s20	3s24	0s27	2n52	4n 6	7n52	27n 6	3n20	23s57	0s17	20n48	1n46	6s 4	0s43	2s16	2n 4	32s11	12s19	14s 2	14s 8	27s58			n.a.
T 2	9 53	10 18	4 13	0 3	3 0	4 1	7 56	27 4	3 18	23 57	0 17	20 49	1 46	6 3	0 43	2 15	2 4	32 11	12 19	14 2	14 9	27 58			n.a.
W 3	9 31	15 42	4 49	0n16	3 7	3 54	8 0	27 2	3 16	23 57	0 17	20 50	1 46	6 1	0 43	2 15	2 4	32 10	12 19	14 3	14 10	27 59			n.a.
T 4	9 9	20 19	5 9	0 32	3 13	3 45	8 2	27 0	3 14	23 56	0 17	20 51	1 46	6 0	0 43	2 14	2 4	32 10	12 20	14 3	14 11	27 59			n.a.
F 5	8 47	23 59	5 16	0 44	3 18	3 35	8 4	26 58	3 13	23 56	0 18	20 52	1 46	5 58	0 43	2 13	2 4	32 10	12 20	14 4	14 12	27 59			n.a.
S 6	8 25	26 34	5 8	0 53	3 22	3 24	8 6	26 56	3 11	23 56	0 18	20 53	1 46	5 57	0 43	2 13	2 4	32 10	12 20	14 4	14 13	27 59			n.a.
S 7	8 3	27 56	4 48	0 57	3 25	3 11	8 6	26 53	3 9	23 55	0 18	20 53	1 46	5 56	0 43	2 12	2 4	32 10	12 20	14 4	14 14	27 59			n.a.
M 8	7 40	28 2	4 15	0 58	3 26	2 57	8 5	26 51	3 7	23 55	0 18	20 54	1 46	5 54	0 43	2 12	2 4	32 10	12 20	14 4	14 15	27 59			n.a.
T 9	7 17	26 49	3 31	0 54	3 26	2 42	8 4	26 49	3 5	23 55	0 18	20 55	1 46	5 53	0 43	2 11	2 4	32 10	12 21	14 3	14 16	27 59			n.a.
W10	6 55	24 21	2 37	0 47	3 24	2 25	8 2	26 47	3 4	23 54	0 18	20 56	1 46	5 52	0 43	2 11	2 4	32 10	12 21	14 3	14 17	27 59			n.a.
T 11	6 32	20 44	1 36	0 37	3 20	2 8	7 58	26 45	3 2	23 54	0 19	20 57	1 46	5 50	0 43	2 10	2 4	32 10	12 21	14 2	14 18	27 59			n.a.
F 12	6 9	16 9	0 29	0 23	3 16	1 49	7 54	26 43	3 0	23 54	0 19	20 57	1 46	5 49	0 43	2 9	2 4	32 9	12 21	14 2	14 19	27 59			n.a.
S 13	5 46	10 46	0n41	0 5	3 9	1 30	7 49	26 40	2 58	23 53	0 19	20 58	1 46	5 48	0 43	2 9	2 4	32 9	12 22	14 2	14 20	27 59			n.a.
S 14	5 23	4 49	1 51	0s15	3 1	1 10	7 43	26 38	2 56	23 53	0 19	20 59	1 46	5 46	0 43	2 8	2 4	32 9	12 22	14 2	14 21	27 59			n.a.
M15	5 0	1n27	2 56	0 38	2 52	0 49	7 37	26 36	2 55	23 53	0 19	20 59	1 46	5 45	0 43	2 8	2 4	32 9	12 22	14 3	14 22	27 59			n.a.
T 16	4 37	7 47	3 52	1 3	2 41	0 28	7 29	26 33	2 53	23 52	0 19	21 0	1 46	5 44	0 43	2 7	2 4	32 9	12 22	14 4	14 23	27 59			n.a.
W17	4 14	13 50	4 35	1 30	2 29	0 6	7 21	26 31	2 51	23 52	0 20	21 1	1 45	5 42	0 43	2 6	2 4	32 9	12 23	14 6	14 24	27 59			n.a.
T 18	3 51	19 16	5 3	1 59	2 16	0s16	7 12	26 29	2 50	23 52	0 20	21 1	1 45	5 41	0 43	2 6	2 4	32 9	12 23	14 7	14 25	27 59			n.a.
F 19	3 27	23 41	5 13	2 28	2 2	0 38	7 2	26 26	2 48	23 51	0 20	21 2	1 45	5 40	0 43	2 5	2 4	32 9	12 23	14 8	14 26	27 59			n.a.
S 20	3 4	26 43	5 4	2 59	1 47	1 0	6 52	26 24	2 46	23 51	0 20	21 2	1 45	5 38	0 43	2 5	2 5	32 9	12 23	14 9	14 27	27 59			n.a.
S 21	2 41	28 3	4 36	3 29	1 32	1 22	6 41	26 21	2 45	23 51	0 20	21 3	1 45	5 37	0 43	2 4	2 5	32 9	12 24	14 9	14 28	27 59			n.a.
M22	2 17	27 32	3 51	3 59	1 16	1 44	6 30	26 18	2 43	23 50	0 21	21 3	1 45	5 35	0 43	2 3	2 5	32 9	12 24	14 9	14 30	27 59			n.a.
T 23	1 54	25 14	2 53	4 28	0 59	2 5	6 18	26 16	2 41	23 50	0 21	21 4	1 45	5 34	0 43	2 3	2 5	32 9	12 24	14 8	14 31	27 59			n.a.
W24	1 31	21 23	1 44	4 56	0 43	2 26	6 6	26 13	2 40	23 50	0 21	21 4	1 45	5 33	0 43	2 2	2 5	32 9	12 25	14 8	14 32	27 59			n.a.
T 25	1 7	16 22	0 30	5 23	0 26	2 47	5 53	26 10	2 38	23 49	0 21	21 5	1 45	5 31	0 43	2 1	2 5	32 9	12 25	14 8	14 33	27 58			n.a.
F 26	0 44	10 34	0s45	5 48	0 10	3 7	5 40	26 7	2 36	23 49	0 21	21 5	1 45	5 30	0 43	2 1	2 5	32 9	12 25	14 8	14 34	27 58			n.a.
S 27	0 20	4 20	1 56	6 12	0s 6	3 26	5 27	26 4	2 35	23 49	0 21	21 5	1 45	5 29	0 43	2 0	2 5	32 9	12 25	14 8	14 35	27 58			n.a.
S 28	0n 3	1s58	3 0	6 33	0 22	3 45	5 14	26 1	2 33	23 48	0 22	21 6	1 45	5 27	0 43	1 59	2 5	32 9	12 26	14 9	14 36	27 58			n.a.
M29	0 26	8 4	3 53	6 52	0 37	4 2	5 1	25 58	2 32	23 48	0 22	21 6	1 45	5 26	0 43	1 59	2 5	32 9	12 26	14 11	14 37	27 58			n.a.
T 30	0 50	13 42	4 33	7 8	0 52	4 19	4 47	25 55	2 30	23 48	0 22	21 6	1 45	5 25	0 43	1 58	2 5	32 9	12 26	14 13	14 38	27 58			n.a.
W31	1n13	18s39	4s58	7s22	1s 6	4s35	4n34	25n52	2n29	23s47	0s22	21n 7	1n44	5s23	0s43	1s57	2n 5	32s 9	12s27	14s16	14s39	27s58			n.a.

Julian Day Number = 1475669.5, Delta T = 05h27m06s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'57, Lahiri = -13°14'57 Julian Calendar 1 March 673 BCE == Greg. Calendar 23 Feb. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

APRIL 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 9 23	3♈59'25	19♏11	14♓ 5	7°R33	10♋20	9♉46	4°R26	18♓14	9°R36	1♒42	22°R14	21♒ 6	23♐52	n.a.	T 1
F 2	12 13 19	4°57'18	1♐21	14°11	7♓28	10°43	9°52	4♌24	18°17	9♎34	1°43	22♒ 8	21° 3	23°59	n.a.	F 2
S 3	12 17 16	5°55'10	13°21	14°23	7°D26	11° 5	9°59	4°23	18°21	9°32	1°44	22° 3	21° 0	24° 6	n.a.	S 3
S 4	12 21 12	6°53'01	25°14	14°39	7°26	11°28	10° 5	4°22	18°24	9°31	1°45	22° 1	20°57	24°12	n.a.	S 4
M 5	12 25 9	7°50'50	7♉ 6	14°59	7°28	11°52	10°11	4°21	18°27	9°29	1°46	22°D 0	20°54	24°19	n.a.	M 5
T 6	12 29 5	8°48'38	19° 0	15°24	7°33	12°15	10°16	4°21	18°31	9°28	1°46	22° 0	20°51	24°26	n.a.	T 6
W 7	12 33 2	9°46'24	1♒ 3	15°53	7°40	12°39	10°22	4°20	18°34	9°26	1°47	22° 2	20°47	24°32	n.a.	W 7
T 8	12 36 59	10°44'09	13°18	16°26	7°49	13° 4	10°27	4°19	18°37	9°24	1°48	22° 3	20°44	24°39	n.a.	T 8
F 9	12 40 55	11°41'53	25°51	17° 3	8° 1	13°28	10°33	4°19	18°40	9°23	1°49	22°R 3	20°41	24°46	n.a.	F 9
S 10	12 44 52	12°39'36	8♓45	17°44	8°14	13°53	10°38	4°18	18°44	9°21	1°49	22° 2	20°38	24°53	n.a.	S 10
S 11	12 48 48	13°37'17	22° 1	18°29	8°30	14°18	10°43	4°18	18°47	9°19	1°50	21°58	20°35	24°59	n.a.	S 11
M12	12 52 45	14°34'57	5♈41	19°17	8°47	14°43	10°47	4°18	18°50	9°18	1°51	21°52	20°31	25° 6	n.a.	M12
T 13	12 56 41	15°32'35	19°41	20° 8	9° 6	15° 9	10°52	4°D18	18°53	9°16	1°51	21°45	20°28	25°13	n.a.	T 13
W14	13 0 38	16°30'12	3♉58	21° 3	9°27	15°35	10°57	4°18	18°56	9°15	1°52	21°36	20°25	25°19	n.a.	W14
T 15	13 4 34	17°27'48	18°26	22° 2	9°50	16° 1	11° 1	4°18	18°59	9°13	1°53	21°28	20°22	25°26	n.a.	T 15
F 16	13 8 31	18°25'23	2♊58	23° 3	10°15	16°27	11° 5	4°18	19° 2	9°11	1°53	21°20	20°19	25°33	n.a.	F 16
S 17	13 12 28	19°22'55	17°28	24° 7	10°41	16°54	11° 9	4°19	19° 5	9°10	1°54	21°15	20°16	25°39	n.a.	S 17
S 18	13 16 24	20°20'27	1♋52	25°15	11° 8	17°21	11°12	4°19	19° 9	9° 8	1°54	21°11	20°12	25°46	n.a.	S 18
M19	13 20 21	21°17'57	16° 5	26°25	11°37	17°48	11°16	4°19	19°12	9° 7	1°55	21°D10	20° 9	25°53	n.a.	M19
T 20	13 24 17	22°15'25	0♌ 6	27°38	12° 8	18°15	11°19	4°20	19°15	9° 5	1°55	21°10	20° 6	26° 0	n.a.	T 20
W21	13 28 14	23°12'51	13°55	28°54	12°40	18°43	11°23	4°21	19°18	9° 3	1°56	21°R10	20° 3	26° 6	n.a.	W21
T 22	13 32 10	24°10'17	27°31	0♈12	13°13	19°10	11°26	4°22	19°21	9° 2	1°56	21°10	20° 0	26°13	n.a.	T 22
F 23	13 36 7	25° 7'40	10♍56	1°33	13°48	19°38	11°28	4°23	19°23	9° 0	1°57	21° 9	19°57	26°20	n.a.	F 23
S 24	13 40 3	26° 5'03	24°10	2°57	14°24	20° 7	11°31	4°24	19°26	8°59	1°57	21° 5	19°53	26°26	n.a.	S 24
S 25	13 44 0	27° 2'24	7♎12	4°23	15° 1	20°35	11°33	4°25	19°29	8°57	1°57	20°58	19°50	26°33	n.a.	S 25
M26	13 47 57	27°59'44	20° 3	5°52	15°39	21° 3	11°36	4°26	19°32	8°56	1°58	20°49	19°47	26°40	n.a.	M26
T 27	13 51 53	28°57'03	2♏42	7°24	16°18	21°32	11°38	4°27	19°35	8°54	1°58	20°38	19°44	26°46	n.a.	T 27
W28	13 55 50	29°54'21	15° 9	8°58	16°59	22° 1	11°40	4°29	19°38	8°53	1°58	20°26	19°41	26°53	n.a.	W28
T 29	13 59 46	0♉51'38	27°25	10°34	17°40	22°30	11°42	4°30	19°41	8°51	1°59	20°14	19°37	27° 0	n.a.	T 29
F 30	14 3 43	1♉48'55	9♐30	12♈13	18♓23	23♋ 0	11♉43	4♌32	19♓43	8♎50	1♒59	20♒ 3	19♒34	27♐ 7	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n36	22s42	5s 9	7s34	1s19	4s50	4n20	25n49	2n27	23s47	0s22	21n 7	1n44	5s22	0s43	1s57	2n 5	32s 9	12s27	14s18	14s40	27s58		n.a.
F 2	2 0	25 42	5 5	7 43	1 32	5 4	4 7	25 45	2 26	23 47	0 23	21 7	1 44	5 21	0 43	1 56	2 5	32 10	12 27	14 20	14 41	27 57		n.a.
S 3	2 23	27 29	4 48	7 49	1 43	5 18	3 54	25 42	2 24	23 47	0 23	21 7	1 44	5 20	0 43	1 55	2 5	32 10	12 28	14 21	14 42	27 57		n.a.
S 4	2 46	28 0	4 19	7 53	1 54	5 30	3 40	25 39	2 23	23 46	0 23	21 7	1 44	5 18	0 43	1 55	2 5	32 10	12 28	14 22	14 43	27 57		n.a.
M 5	3 9	27 13	3 39	7 54	2 4	5 41	3 27	25 35	2 21	23 46	0 23	21 7	1 44	5 17	0 43	1 54	2 5	32 10	12 28	14 22	14 44	27 57		n.a.
T 6	3 32	25 12	2 49	7 53	2 14	5 51	3 15	25 31	2 20	23 46	0 23	21 8	1 44	5 16	0 43	1 54	2 5	32 10	12 29	14 22	14 45	27 57		n.a.
W 7	3 55	22 1	1 51	7 49	2 22	6 0	3 2	25 28	2 18	23 46	0 24	21 8	1 44	5 14	0 43	1 53	2 5	32 10	12 29	14 22	14 46	27 57		n.a.
T 8	4 18	17 49	0 47	7 43	2 30	6 8	2 49	25 24	2 17	23 45	0 24	21 8	1 44	5 13	0 43	1 52	2 5	32 10	12 29	14 22	14 47	27 56		n.a.
F 9	4 41	12 46	0n20	7 35	2 37	6 16	2 37	25 20	2 15	23 45	0 24	21 8	1 44	5 12	0 43	1 52	2 5	32 10	12 30	14 21	14 48	27 56		n.a.
S 10	5 4	7 2	1 29	7 24	2 43	6 22	2 25	25 16	2 14	23 45	0 24	21 8	1 43	5 11	0 43	1 51	2 5	32 10	12 30	14 22	14 49	27 56		n.a.
S 11	5 27	0 52	2 34	7 11	2 48	6 27	2 13	25 12	2 13	23 45	0 24	21 8	1 43	5 9	0 43	1 50	2 5	32 11	12 30	14 23	14 50	27 56		n.a.
M12	5 50	5n31	3 32	6 56	2 52	6 31	2 1	25 7	2 11	23 45	0 25	21 8	1 43	5 8	0 43	1 50	2 5	32 11	12 30	14 25	14 51	27 55		n.a.
T 13	6 12	11 47	4 19	6 39	2 56	6 34	1 50	25 3	2 10	23 44	0 25	21 8	1 43	5 7	0 43	1 49	2 5	32 11	12 31	14 27	14 52	27 55		n.a.
W14	6 35	17 34	4 51	6 20	2 59	6 37	1 39	24 59	2 8	23 44	0 25	21 7	1 43	5 6	0 43	1 48	2 5	32 11	12 31	14 30	14 53	27 55		n.a.
T 15	6 57	22 25	5 5	5 58	3 1	6 38	1 28	24 54	2 7	23 44	0 25	21 7	1 43	5 4	0 43	1 48	2 5	32 11	12 32	14 33	14 54	27 55		n.a.
F 16	7 19	25 56	4 59	5 35	3 3	6 38	1 18	24 50	2 6	23 44	0 26	21 7	1 43	5 3	0 43	1 47	2 5	32 11	12 32	14 35	14 55	27 54		n.a.
S 17	7 41	27 43	4 34	5 10	3 3	6 38	1 7	24 45	2 4	23 44	0 26	21 7	1 43	5 2	0 43	1 47	2 5	32 12	12 32	14 37	14 56	27 54		n.a.
S 18	8 3	27 38	3 52	4 43	3 3	6 37	0 57	24 40	2 3	23 44	0 26	21 7	1 43	5 1	0 43	1 46	2 5	32 12	12 33	14 38	14 57	27 54		n.a.
M19	8 25	25 42	2 56	4 14	3 3	6 34	0 47	24 35	2 2	23 44	0 26	21 6	1 43	5 0	0 43	1 45	2 5	32 12	12 33	14 39	14 58	27 54		n.a.
T 20	8 47	22 12	1 50	3 43	3 1	6 31	0 38	24 30	2 0	23 44	0 26	21 6	1 42	4 58	0 43	1 45	2 5	32 12	12 33	14 39	14 59	27 53		n.a.
W21	9 9	17 30	0 39	3 11	2 59	6 28	0 29	24 25	1 59	23 43	0 27	21 6	1 42	4 57	0 43	1 44	2 5	32 12	12 34	14 39	15 0	27 53		n.a.
T 22	9 30	11 58	0s34	2 37	2 57	6 23	0 19	24 20	1 58	23 43	0 27	21 6	1 42	4 56	0 43	1 43	2 5	32 13	12 34	14 39	15 1	27 53		n.a.
F 23	9 51	5 59	1 43	2 1	2 53	6 18	0 11	24 14	1 57	23 43	0 27	21 5	1 42	4 55	0 43	1 43	2 5	32 13	12 34	14 39	15 2	27 52		n.a.
S 24	10 13	0s11	2 46	1 24	2 49	6 12	0 2	24 9	1 55	23 43	0 27	21 5	1 42	4 54	0 43	1 42	2 5	32 13	12 35	14 40	15 3	27 52		n.a.
S 25	10 34	6 15	3 39	0 45	2 45	6 5	0s 6	24 3	1 54	23 43	0 27	21 5	1 42	4 53	0 43	1 42	2 5	32 13	12 35	14 43	15 4	27 52		n.a.
M26	10 55	11 57	4 20	0 4	2 40	5 57	0 14	23 57	1 53	23 43	0 28	21 4	1 42	4 51	0 43	1 41	2 5	32 14	12 35	14 46	15 5	27 51		n.a.
T 27	11 15	17 4	4 47	0n38	2 34	5 49	0 22	23 52	1 51	23 43	0 28	21 4	1 42	4 50	0 43	1 40	2 5	32 14	12 36	14 49	15 6	27 51		n.a.
W28	11 36	21 23	5 0	1 21	2 28	5 40	0 29	23 46	1 50	23 44	0 28	21 3	1 42	4 49	0 43	1 40	2 5	32 14	12 36	14 53	15 7	27 51		n.a.
T 29	11 56	24 43	4 59	2 5	2 21	5 30	0 37	23 40	1 49	23 44	0 28	21 3	1 41	4 48	0 43	1 39	2 4	32 14	12 36	14 57	15 8	27 50		n.a.
F 30	12n16	26s53	4s45	2n51	2s13	5s20	0s44	23n33	1n48	23s44	0s29	21n 2	1n41	4s47	0s43	1s39	2n 4	32s15	12s37	15s 0	15s 9	27s50		n.a.

Julian Day Number = 1475700.5, Delta T = 05h27m04s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'53, Lahiri = -13°14'53 Julian Calendar 1 Apr. 673 BCE == Greg. Calendar 25 March 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

MAY 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 7 39	2♉46'11	21♐27	13♈55	19♓ 6	23♋29	11♑44	4♌34	19♓46	8°R48	1♒59	19°R55	19♒31	27♐13	n.a.	S 1
S 2	14 11 36	3°43'26	3♑18	15°39	19°50	23°59	11°46	4°36	19°49	8♎47	1°59	19♒48	19°28	27°20	n.a.	S 2
M 3	14 15 32	4°40'40	15° 8	17°25	20°35	24°29	11°47	4°38	19°51	8°45	1°59	19°45	19°25	27°27	n.a.	M 3
T 4	14 19 29	5°37'54	27° 1	19°14	21°22	24°59	11°47	4°40	19°54	8°44	2° 0	19°43	19°22	27°33	n.a.	T 4
W 5	14 23 26	6°35'08	9♒ 2	21° 6	22° 8	25°29	11°48	4°42	19°57	8°43	2° 0	19°D43	19°18	27°40	n.a.	W 5
T 6	14 27 22	7°32'21	21°17	22°59	22°56	25°59	11°48	4°44	19°59	8°41	2° 0	19°R43	19°15	27°47	n.a.	T 6
F 7	14 31 19	8°29'33	3♓50	24°55	23°44	26°30	11°48	4°46	20° 2	8°40	2° 0	19°42	19°12	27°53	n.a.	F 7
S 8	14 35 15	9°26'46	16°46	26°53	24°34	27° 1	11°R48	4°49	20° 4	8°39	2° 0	19°40	19° 9	28° 0	n.a.	S 8
S 9	14 39 12	10°23'57	0♈ 8	28°54	25°23	27°32	11°48	4°51	20° 7	8°37	2° 0	19°35	19° 6	28° 7	n.a.	S 9
M10	14 43 8	11°21'08	13°58	0♉56	26°14	28° 3	11°48	4°54	20° 9	8°36	2°R 0	19°28	19° 3	28°13	n.a.	M10
T 11	14 47 5	12°18'19	28°14	3° 0	27° 5	28°34	11°47	4°57	20°12	8°35	2° 0	19°18	18°59	28°20	n.a.	T 11
W12	14 51 1	13°15'30	12♉51	5° 6	27°57	29° 5	11°47	4°59	20°14	8°33	2° 0	19° 7	18°56	28°27	n.a.	W12
T 13	14 54 58	14°12'40	27°42	7°14	28°49	29°37	11°46	5° 2	20°16	8°32	2° 0	18°56	18°53	28°34	n.a.	T 13
F 14	14 58 55	15° 9'50	12♊39	9°22	29°42	0♌ 9	11°45	5° 5	20°19	8°31	2° 0	18°46	18°50	28°40	n.a.	F 14
S 15	15 2 51	16° 6'59	27°31	11°32	0♈35	0°40	11°43	5° 8	20°21	8°30	2° 0	18°39	18°47	28°47	n.a.	S 15
S 16	15 6 48	17° 4'07	12♋13	13°43	1°29	1°12	11°42	5°11	20°23	8°28	1°59	18°33	18°43	28°54	n.a.	S 16
M17	15 10 44	18° 1'15	26°37	15°54	2°24	1°45	11°40	5°15	20°25	8°27	1°59	18°31	18°40	29° 0	n.a.	M17
T 18	15 14 41	18°58'22	10♌43	18° 5	3°19	2°17	11°38	5°18	20°27	8°26	1°59	18°30	18°37	29° 7	n.a.	T 18
W19	15 18 37	19°55'28	24°28	20°16	4°14	2°49	11°36	5°21	20°29	8°25	1°59	18°30	18°34	29°14	n.a.	W19
T 20	15 22 34	20°52'34	7♍56	22°27	5°10	3°22	11°34	5°25	20°32	8°24	1°59	18°29	18°31	29°20	n.a.	T 20
F 21	15 26 31	21°49'40	21° 7	24°37	6° 7	3°55	11°31	5°28	20°34	8°23	1°58	18°27	18°28	29°27	n.a.	F 21
S 22	15 30 27	22°46'44	4♎ 3	26°47	7° 4	4°28	11°29	5°32	20°36	8°22	1°58	18°22	18°24	29°34	n.a.	S 22
S 23	15 34 24	23°43'49	16°47	28°55	8° 1	5° 1	11°26	5°36	20°38	8°21	1°58	18°15	18°21	29°40	n.a.	S 23
M24	15 38 20	24°40'53	29°21	1♊ 3	8°59	5°34	11°23	5°40	20°39	8°20	1°58	18° 5	18°18	29°47	n.a.	M24
T 25	15 42 17	25°37'57	11♏44	3° 9	9°57	6° 7	11°20	5°44	20°41	8°19	1°57	17°53	18°15	29°54	n.a.	T 25
W26	15 46 13	26°35'01	23°58	5°13	10°55	6°40	11°16	5°48	20°43	8°18	1°57	17°39	18°12	0♑ 1	n.a.	W26
T 27	15 50 10	27°32'05	6♐ 4	7°16	11°54	7°14	11°13	5°52	20°45	8°17	1°56	17°26	18° 8	0° 7	n.a.	T 27
F 28	15 54 6	28°29'09	18° 2	9°17	12°53	7°48	11° 9	5°56	20°47	8°16	1°56	17°15	18° 5	0°14	n.a.	F 28
S 29	15 58 3	29°26'13	29°55	11°16	13°53	8°21	11° 5	6° 0	20°48	8°15	1°56	17° 5	18° 2	0°21	n.a.	S 29
S 30	16 2 0	0♊23'18	11♑44	13°14	14°53	8°55	11° 1	6° 4	20°50	8°14	1°55	16°57	17°59	0°27	n.a.	S 30
M31	16 5 56	1♊20'23	23♑33	15♊ 9	15♈53	9♌29	10♑57	6♌ 9	20♓52	8♎13	1♒55	16♒53	17♒56	0♑34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n36	27s47	4s18	3n38	2s 6	5s 9	0s50	23n27	1n47	23s44	0s29	21n 2	1n41	4s46	0s43	1s38	2n 4	32s15	12s37	15s 3	15s10	27s49		n.a.
S 2	12 56	27 24	3 40	4 27	1 57	4 57	0 57	23 21	1 45	23 44	0 29	21 1	1 41	4 45	0 43	1 38	2 4	32 15	12 37	15 5	15 11	27 49		n.a.
M 3	13 16	25 46	2 52	5 16	1 48	4 45	1 3	23 14	1 44	23 44	0 29	21 1	1 41	4 44	0 43	1 37	2 4	32 16	12 38	15 6	15 12	27 49		n.a.
T 4	13 35	22 58	1 57	6 6	1 39	4 32	1 9	23 7	1 43	23 44	0 30	21 0	1 41	4 43	0 43	1 37	2 4	32 16	12 38	15 7	15 13	27 48		n.a.
W 5	13 54	19 9	0 56	6 58	1 30	4 19	1 15	23 1	1 42	23 44	0 30	20 59	1 41	4 42	0 43	1 36	2 4	32 16	12 38	15 7	15 14	27 48		n.a.
T 6	14 13	14 29	0n 8	7 50	1 20	4 5	1 21	22 54	1 41	23 45	0 30	20 59	1 41	4 41	0 43	1 36	2 4	32 17	12 39	15 7	15 16	27 47		n.a.
F 7	14 32	9 6	1 14	8 42	1 10	3 50	1 26	22 47	1 39	23 45	0 30	20 58	1 41	4 40	0 43	1 35	2 4	32 17	12 39	15 7	15 17	27 47		n.a.
S 8	14 51	3 11	2 18	9 35	0 59	3 35	1 32	22 39	1 38	23 45	0 30	20 57	1 41	4 39	0 43	1 35	2 4	32 17	12 39	15 8	15 18	27 46		n.a.
S 9	15 9	3n 3	3 16	10 29	0 49	3 20	1 37	22 32	1 37	23 45	0 31	20 57	1 40	4 38	0 43	1 34	2 4	32 18	12 40	15 9	15 19	27 46		n.a.
M10	15 27	9 21	4 5	11 22	0 38	3 4	1 41	22 25	1 36	23 46	0 31	20 56	1 40	4 37	0 43	1 34	2 4	32 18	12 40	15 12	15 20	27 46		n.a.
T 11	15 45	15 21	4 41	12 16	0 27	2 48	1 46	22 17	1 35	23 46	0 31	20 55	1 40	4 36	0 43	1 33	2 4	32 18	12 41	15 15	15 21	27 45		n.a.
W12	16 2	20 39	4 59	13 9	0 16	2 31	1 50	22 9	1 34	23 46	0 31	20 54	1 40	4 35	0 43	1 33	2 4	32 19	12 41	15 18	15 22	27 45		n.a.
T 13	16 20	24 44	4 57	14 2	0 5	2 14	1 55	22 2	1 33	23 46	0 32	20 54	1 40	4 34	0 43	1 32	2 4	32 19	12 41	15 21	15 23	27 44		n.a.
F 14	16 37	27 11	4 35	14 55	0n 6	1 56	1 59	21 54	1 32	23 47	0 32	20 53	1 40	4 33	0 43	1 32	2 4	32 19	12 42	15 25	15 24	27 44		n.a.
S 15	16 54	27 40	3 55	15 46	0 16	1 38	2 3	21 46	1 30	23 47	0 32	20 52	1 40	4 32	0 43	1 31	2 4	32 20	12 42	15 27	15 25	27 43		n.a.
S 16	17 10	26 11	2 59	16 36	0 27	1 19	2 6	21 37	1 29	23 47	0 32	20 51	1 40	4 32	0 43	1 31	2 4	32 20	12 42	15 29	15 26	27 43		n.a.
M17	17 26	22 58	1 53	17 25	0 37	1 1	2 10	21 29	1 28	23 48	0 33	20 50	1 40	4 31	0 44	1 30	2 4	32 20	12 43	15 30	15 27	27 42		n.a.
T 18	17 42	18 27	0 41	18 12	0 46	0 42	2 13	21 21	1 27	23 48	0 33	20 49	1 40	4 30	0 44	1 30	2 4	32 21	12 43	15 30	15 28	27 42		n.a.
W19	17 58	13 3	0s32	18 57	0 55	0 22	2 16	21 12	1 26	23 49	0 33	20 48	1 39	4 29	0 44	1 30	2 4	32 21	12 43	15 30	15 29	27 41		n.a.
T 20	18 14	7 10	1 41	19 40	1 4	0 2	2 19	21 3	1 25	23 49	0 33	20 47	1 39	4 28	0 44	1 29	2 4	32 22	12 44	15 30	15 30	27 40		n.a.
F 21	18 29	1 5	2 43	20 22	1 12	0n18	2 22	20 54	1 24	23 50	0 34	20 46	1 39	4 28	0 44	1 29	2 4	32 22	12 44	15 31	15 31	27 40		n.a.
S 22	18 44	4s56	3 36	21 0	1 20	0 38	2 24	20 45	1 23	23 50	0 34	20 45	1 39	4 27	0 44	1 28	2 4	32 22	12 44	15 32	15 32	27 39		n.a.
S 23	18 58	10 38	4 17	21 37	1 27	0 59	2 27	20 36	1 22	23 51	0 34	20 44	1 39	4 26	0 44	1 28	2 4	32 23	12 45	15 34	15 32	27 39		n.a.
M24	19 12	15 49	4 44	22 10	1 33	1 20	2 29	20 27	1 21	23 51	0 34	20 43	1 39	4 25	0 44	1 28	2 4	32 23	12 45	15 38	15 33	27 38		n.a.
T 25	19 26	20 17	4 58	22 41	1 38	1 41	2 31	20 18	1 20	23 52	0 34	20 42	1 39	4 25	0 44	1 27	2 3	32 24	12 45	15 41	15 34	27 38		n.a.
W26	19 40	23 50	4 58	23 10	1 43	2 2	2 33	20 8	1 19	23 52	0 35	20 41	1 39	4 24	0 44	1 27	2 3	32 24	12 46	15 45	15 35	27 37		n.a.
T 27	19 53	26 17	4 45	23 36	1 48	2 24	2 35	19 58	1 18	23 53	0 35	20 40	1 39	4 23	0 44	1 27	2 3	32 24	12 46	15 50	15 36	27 36		n.a.
F 28	20 6	27 31	4 19	23 59	1 51	2 46	2 37	19 49	1 16	23 53	0 35	20 39	1 39	4 22	0 44	1 26	2 3	32 25	12 46	15 53	15 37	27 36		n.a.
S 29	20 19	27 28	3 41	24 20	1 54	3 8	2 38	19 39	1 15	23 54	0 35	20 38	1 39	4 22	0 44	1 26	2 3	32 25	12 47	15 56	15 38	27 35		n.a.
S 30	20 31	26 9	2 55	24 38	1 56	3 30	2 39	19 29	1 14	23 54	0 36	20 36	1 38	4 21	0 44	1 26	2 3	32 26	12 47	15 58	15 39	27 35		n.a.
M31	20n43	23s40	2s 0	24n53	1n57	3n52	2s41	19n18	1n13	23s55	0s36	20n35	1n38	4s21	0s44	1s25	2n 3	32s26	12s47	16s 0	15s40	27s34		n.a.

Julian Day Number = 1475730.5, Delta T = 05h27m03s
Ecliptic obliquity = 23°46'42, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'49, Lahiri = -13°14'49 Julian Calendar 1 May 673 BCE == Greg. Calendar 24 Apr. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

JUNE 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 9 53	2♊17'28	5♒25	17♊ 3	16♈53	10♌ 3	10°R52	6♌13	20♓53	8°R13	1°R54	16°R51	17♒53	0♑41	n.a.	T 1
W 2	16 13 49	3°14'33	17°26	18°54	17°54	10°38	10♑48	6°18	20°55	8♎12	1♒54	16°D50	17°49	0°47	n.a.	W 2
T 3	16 17 46	4°11'39	29°39	20°44	18°56	11°12	10°43	6°22	20°56	8°11	1°53	16°R50	17°46	0°54	n.a.	T 3
F 4	16 21 42	5° 8'45	12♓ 9	22°32	19°57	11°46	10°38	6°27	20°58	8°10	1°52	16♒50	17°43	1° 1	n.a.	F 4
S 5	16 25 39	6° 5'52	25° 3	24°17	20°59	12°21	10°33	6°32	20°59	8°10	1°52	16°49	17°40	1° 7	n.a.	S 5
S 6	16 29 35	7° 2'59	8♈24	26° 1	22° 1	12°56	10°28	6°37	21° 1	8° 9	1°51	16°45	17°37	1°14	n.a.	S 6
M 7	16 33 32	8° 0'08	22°14	27°43	23° 3	13°31	10°23	6°42	21° 2	8° 8	1°51	16°39	17°34	1°21	n.a.	M 7
T 8	16 37 29	8°57'16	6♉33	29°23	24° 6	14° 6	10°17	6°47	21° 3	8° 8	1°50	16°31	17°30	1°27	n.a.	T 8
W 9	16 41 25	9°54'26	21°17	1♋ 0	25° 9	14°41	10°12	6°52	21° 4	8° 7	1°49	16°22	17°27	1°34	n.a.	W 9
T 10	16 45 22	10°51'36	6♊20	2°36	26°12	15°16	10° 6	6°57	21° 6	8° 7	1°49	16°13	17°24	1°41	n.a.	T 10
F 11	16 49 18	11°48'46	21°32	4°10	27°15	15°51	10° 0	7° 2	21° 7	8° 6	1°48	16° 4	17°21	1°48	n.a.	F 11
S 12	16 53 15	12°45'57	6♋42	5°42	28°19	16°27	9°54	7° 7	21° 8	8° 6	1°47	15°57	17°18	1°54	n.a.	S 12
S 13	16 57 11	13°43'09	21°40	7°12	29°22	17° 2	9°48	7°13	21° 9	8° 5	1°46	15°52	17°14	2° 1	n.a.	S 13
M14	17 1 8	14°40'21	6♌20	8°39	0♉26	17°38	9°41	7°18	21°10	8° 5	1°46	15°50	17°11	2° 8	n.a.	M14
T 15	17 5 5	15°37'33	20°36	10° 5	1°31	18°14	9°35	7°23	21°11	8° 4	1°45	15°D50	17° 8	2°14	n.a.	T 15
W16	17 9 1	16°34'45	4♍28	11°29	2°35	18°50	9°28	7°29	21°12	8° 4	1°44	15°51	17° 5	2°21	n.a.	W16
T 17	17 12 58	17°31'58	17°57	12°50	3°40	19°25	9°22	7°35	21°12	8° 4	1°43	15°R51	17° 2	2°28	n.a.	T 17
F 18	17 16 54	18°29'11	1♎ 4	14° 9	4°45	20° 2	9°15	7°40	21°13	8° 3	1°42	15°50	16°59	2°34	n.a.	F 18
S 19	17 20 51	19°26'25	13°52	15°27	5°50	20°38	9° 8	7°46	21°14	8° 3	1°41	15°48	16°55	2°41	n.a.	S 19
S 20	17 24 47	20°23'39	26°26	16°41	6°55	21°14	9° 1	7°52	21°15	8° 3	1°40	15°43	16°52	2°48	n.a.	S 20
M21	17 28 44	21°20'54	8♏47	17°54	8° 0	21°50	8°54	7°57	21°15	8° 3	1°40	15°36	16°49	2°54	n.a.	M21
T 22	17 32 40	22°18'09	20°58	19° 4	9° 6	22°27	8°47	8° 3	21°16	8° 3	1°39	15°27	16°46	3° 1	n.a.	T 22
W23	17 36 37	23°15'25	3♐ 1	20°12	10°12	23° 3	8°40	8° 9	21°17	8° 2	1°38	15°17	16°43	3° 8	n.a.	W23
T 24	17 40 34	24°12'42	14°58	21°17	11°17	23°40	8°33	8°15	21°17	8° 2	1°37	15° 8	16°40	3°14	n.a.	T 24
F 25	17 44 30	25°10'00	26°51	22°19	12°24	24°17	8°25	8°21	21°18	8° 2	1°36	14°59	16°36	3°21	n.a.	F 25
S 26	17 48 27	26° 7'19	8♑41	23°19	13°30	24°54	8°18	8°27	21°18	8° 2	1°35	14°52	16°33	3°28	n.a.	S 26
S 27	17 52 23	27° 4'40	20°31	24°16	14°36	25°31	8°10	8°33	21°18	8°D 2	1°34	14°47	16°30	3°35	n.a.	S 27
M28	17 56 20	28° 2'01	2♒21	25°10	15°43	26° 8	8° 3	8°39	21°19	8° 2	1°33	14°44	16°27	3°41	n.a.	M28
T 29	18 0 16	28°59'23	14°16	26° 0	16°50	26°45	7°55	8°46	21°19	8° 2	1°32	14°D43	16°24	3°48	n.a.	T 29
W30	18 4 13	29♊56'47	26♒19	26♋48	17♉57	27♌22	7♑48	8♌52	21♓19	8♎ 2	1♒31	14♒44	16♒20	3♑55	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n55	20s 9	1s 0	25n 6	1n58	4n15	2s42	19n 8	1n12	23s55	0s36	20n34	1n38	4s20	0s44	1s25	2n 3	32s26	12s48	16s 1	15s41	27s33		n.a.
W 2	21 6	15 47	0n 3	25 16	1 58	4 37	2 43	18 58	1 11	23 56	0 36	20 33	1 38	4 19	0 44	1 25	2 3	32 27	12 48	16 1	15 42	27 33		n.a.
T 3	21 17	10 42	1 8	25 24	1 58	5 0	2 43	18 47	1 10	23 57	0 37	20 32	1 38	4 19	0 44	1 25	2 3	32 27	12 48	16 1	15 43	27 32		n.a.
F 4	21 28	5 6	2 10	25 30	1 57	5 23	2 44	18 36	1 9	23 57	0 37	20 30	1 38	4 18	0 44	1 24	2 3	32 28	12 49	16 1	15 44	27 31		n.a.
S 5	21 38	0n53	3 8	25 34	1 55	5 46	2 44	18 26	1 8	23 58	0 37	20 29	1 38	4 18	0 44	1 24	2 3	32 28	12 49	16 1	15 45	27 31		n.a.
S 6	21 48	7 1	3 58	25 35	1 52	6 9	2 45	18 15	1 7	23 59	0 37	20 28	1 38	4 17	0 44	1 24	2 3	32 29	12 49	16 2	15 46	27 30		n.a.
M 7	21 57	13 2	4 36	25 35	1 49	6 32	2 45	18 4	1 6	23 59	0 37	20 26	1 38	4 17	0 44	1 24	2 3	32 29	12 49	16 4	15 47	27 29		n.a.
T 8	22 6	18 35	4 58	25 32	1 46	6 55	2 45	17 52	1 5	24 0	0 38	20 25	1 38	4 16	0 44	1 24	2 3	32 30	12 50	16 6	15 48	27 29		n.a.
W 9	22 15	23 11	5 2	25 28	1 42	7 18	2 45	17 41	1 4	24 1	0 38	20 24	1 38	4 16	0 44	1 23	2 3	32 30	12 50	16 9	15 49	27 28		n.a.
T 10	22 23	26 21	4 45	25 22	1 37	7 42	2 45	17 30	1 3	24 1	0 38	20 22	1 38	4 15	0 44	1 23	2 3	32 30	12 50	16 12	15 50	27 27		n.a.
F 11	22 31	27 37	4 7	25 15	1 32	8 5	2 45	17 18	1 2	24 2	0 38	20 21	1 38	4 15	0 44	1 23	2 3	32 31	12 51	16 15	15 51	27 27		n.a.
S 12	22 39	26 49	3 13	25 6	1 26	8 28	2 44	17 6	1 1	24 3	0 39	20 19	1 38	4 15	0 44	1 23	2 2	32 31	12 51	16 17	15 52	27 26		n.a.
S 13	22 46	24 4	2 5	24 55	1 20	8 51	2 44	16 55	1 0	24 3	0 39	20 18	1 37	4 14	0 44	1 23	2 2	32 32	12 51	16 18	15 53	27 25		n.a.
M14	22 53	19 46	0 51	24 43	1 14	9 15	2 43	16 43	1 0	24 4	0 39	20 16	1 37	4 14	0 44	1 23	2 2	32 32	12 51	16 19	15 54	27 24		n.a.
T 15	22 59	14 25	0s26	24 30	1 7	9 38	2 43	16 30	0 59	24 5	0 39	20 15	1 37	4 13	0 44	1 23	2 2	32 33	12 52	16 19	15 55	27 24		n.a.
W16	23 5	8 29	1 38	24 15	0 59	10 1	2 42	16 18	0 58	24 5	0 39	20 14	1 37	4 13	0 44	1 23	2 2	32 33	12 52	16 19	15 56	27 23		n.a.
T 17	23 11	2 20	2 43	24 0	0 51	10 24	2 41	16 6	0 57	24 6	0 40	20 12	1 37	4 13	0 44	1 23	2 2	32 34	12 52	16 19	15 57	27 22		n.a.
F 18	23 16	3s45	3 38	23 44	0 43	10 47	2 40	15 54	0 56	24 7	0 40	20 10	1 37	4 12	0 45	1 22	2 2	32 34	12 53	16 19	15 58	27 21		n.a.
S 19	23 21	9 32	4 20	23 26	0 34	11 10	2 39	15 41	0 55	24 7	0 40	20 9	1 37	4 12	0 45	1 22	2 2	32 35	12 53	16 20	15 59	27 21		n.a.
S 20	23 25	14 48	4 49	23 8	0 25	11 32	2 37	15 28	0 54	24 8	0 40	20 7	1 37	4 12	0 45	1 22	2 2	32 35	12 53	16 21	16 0	27 20		n.a.
M21	23 29	19 24	5 3	22 49	0 16	11 55	2 36	15 15	0 53	24 9	0 40	20 6	1 37	4 12	0 45	1 22	2 2	32 36	12 53	16 23	16 1	27 19		n.a.
T 22	23 33	23 8	5 4	22 30	0 6	12 17	2 35	15 3	0 52	24 9	0 41	20 4	1 37	4 12	0 45	1 22	2 2	32 36	12 54	16 26	16 2	27 18		n.a.
W23	23 36	25 49	4 51	22 10	0s 4	12 40	2 33	14 50	0 51	24 10	0 41	20 3	1 37	4 11	0 45	1 22	2 2	32 36	12 54	16 29	16 3	27 17		n.a.
T 24	23 39	27 19	4 26	21 49	0 15	13 2	2 32	14 36	0 50	24 11	0 41	20 1	1 37	4 11	0 45	1 22	2 2	32 37	12 54	16 32	16 4	27 17		n.a.
F 25	23 41	27 33	3 49	21 29	0 26	13 24	2 30	14 23	0 49	24 11	0 41	19 59	1 37	4 11	0 45	1 22	2 2	32 37	12 54	16 34	16 5	27 16		n.a.
S 26	23 43	26 31	3 2	21 8	0 37	13 46	2 28	14 10	0 48	24 12	0 41	19 58	1 37	4 11	0 45	1 22	2 2	32 38	12 54	16 36	16 6	27 15		n.a.
S 27	23 45	24 17	2 7	20 47	0 48	14 7	2 26	13 56	0 47	24 13	0 42	19 56	1 37	4 11	0 45	1 22	2 1	32 38	12 55	16 38	16 7	27 14		n.a.
M28	23 46	20 59	1 6	20 26	0 59	14 29	2 24	13 43	0 46	24 13	0 42	19 54	1 37	4 11	0 45	1 23	2 1	32 39	12 55	16 39	16 8	27 13		n.a.
T 29	23 46	16 49	0 2	20 5	1 11	14 50	2 22	13 29	0 45	24 14	0 42	19 53	1 37	4 11	0 45	1 23	2 1	32 39	12 55	16 39	16 9	27 13		n.a.
W30	23n47	11s56	1n 2	19n44	1s23	15n11	2s20	13n15	0n45	24s15	0s42	19n51	1n37	4s11	0s45	1s23	2n 1	32s40	12s55	16s39	16s10	27s12		n.a.

Julian Day Number = 1475761.5, Delta T = 05h27m01s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'45, Lahiri = -13°14'44 Julian Calendar 1 June 673 BCE == Greg. Calendar 25 May 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

JULY 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 8 10	0♋54'11	8♓34	27♋31	19♉ 4	28♌ 0	7°R40	8♌58	21♓19	8♎ 2	1°R30	14♒45	16♒17	4♑ 1	n.a.	T 1
F 2	18 12 6	1°51'38	21° 5	28°12	20°11	28°37	7♑32	9° 5	21°19	8° 3	1♒29	14°46	16°14	4° 8	n.a.	F 2
S 3	18 16 3	2°49'05	3♈57	28°48	21°19	29°15	7°24	9°11	21°20	8° 3	1°28	14°R47	16°11	4°15	n.a.	S 3
S 4	18 19 59	3°46'34	17°13	29°21	22°26	29°52	7°17	9°18	21°R20	8° 3	1°26	14°46	16° 8	4°21	n.a.	S 4
M 5	18 23 56	4°44'05	0♉57	29°49	23°34	0♍30	7° 9	9°24	21°20	8° 3	1°25	14°43	16° 5	4°28	n.a.	M 5
T 6	18 27 52	5°41'37	15° 8	0♌13	24°42	1° 8	7° 1	9°31	21°19	8° 3	1°24	14°39	16° 1	4°35	n.a.	T 6
W 7	18 31 49	6°39'11	29°46	0°32	25°50	1°46	6°53	9°37	21°19	8° 4	1°23	14°34	15°58	4°41	n.a.	W 7
T 8	18 35 45	7°36'47	14♊45	0°47	26°58	2°24	6°45	9°44	21°19	8° 4	1°22	14°29	15°55	4°48	n.a.	T 8
F 9	18 39 42	8°34'24	29°56	0°56	28° 6	3° 2	6°37	9°50	21°19	8° 4	1°21	14°24	15°52	4°55	n.a.	F 9
S 10	18 43 39	9°32'02	15♋11	1°R 0	29°15	3°40	6°30	9°57	21°19	8° 5	1°20	14°20	15°49	5° 1	n.a.	S 10
S 11	18 47 35	10°29'42	0♌18	0°59	0♊23	4°18	6°22	10° 4	21°18	8° 5	1°19	14°18	15°46	5° 8	n.a.	S 11
M12	18 51 32	11°27'23	15° 9	0°53	1°32	4°57	6°14	10°11	21°18	8° 6	1°17	14°D17	15°42	5°15	n.a.	M12
T 13	18 55 28	12°25'06	29°37	0°40	2°41	5°35	6° 6	10°17	21°18	8° 6	1°16	14°18	15°39	5°21	n.a.	T 13
W14	18 59 25	13°22'49	13♍39	0°22	3°50	6°14	5°59	10°24	21°17	8° 7	1°15	14°19	15°36	5°28	n.a.	W14
T 15	19 3 21	14°20'34	27°15	29♋59	4°59	6°53	5°51	10°31	21°17	8° 7	1°14	14°21	15°33	5°35	n.a.	T 15
F 16	19 7 18	15°18'19	10♎25	29°30	6° 8	7°31	5°43	10°38	21°16	8° 8	1°13	14°R22	15°30	5°41	n.a.	F 16
S 17	19 11 14	16°16'07	23°14	28°56	7°17	8°10	5°36	10°45	21°15	8° 9	1°11	14°21	15°26	5°48	n.a.	S 17
S 18	19 15 11	17°13'55	5♏44	28°16	8°27	8°49	5°28	10°52	21°15	8° 9	1°10	14°20	15°23	5°55	n.a.	S 18
M19	19 19 8	18°11'45	17°59	27°33	9°36	9°28	5°21	10°59	21°14	8°10	1° 9	14°18	15°20	6° 1	n.a.	M19
T 20	19 23 4	19° 9'36	0♐ 3	26°45	10°46	10° 7	5°13	11° 6	21°13	8°11	1° 8	14°14	15°17	6° 8	n.a.	T 20
W21	19 27 1	20° 7'29	12° 0	25°54	11°56	10°46	5° 6	11°13	21°13	8°11	1° 6	14°10	15°14	6°15	n.a.	W21
T 22	19 30 57	21° 5'23	23°52	25° 1	13° 5	11°26	4°59	11°20	21°12	8°12	1° 5	14° 6	15°11	6°22	n.a.	T 22
F 23	19 34 54	22° 3'19	5♑42	24° 6	14°15	12° 5	4°52	11°27	21°11	8°13	1° 4	14° 3	15° 7	6°28	n.a.	F 23
S 24	19 38 50	23° 1'17	17°33	23°11	15°25	12°44	4°44	11°34	21°10	8°14	1° 3	14° 0	15° 4	6°35	n.a.	S 24
S 25	19 42 47	23°59'16	29°25	22°17	16°36	13°24	4°37	11°42	21° 9	8°15	1° 1	13°58	15° 1	6°42	n.a.	S 25
M26	19 46 43	24°57'17	11♒22	21°25	17°46	14° 3	4°31	11°49	21° 8	8°16	1° 0	13°D58	14°58	6°48	n.a.	M26
T 27	19 50 40	25°55'20	23°25	20°36	18°56	14°43	4°24	11°56	21° 7	8°17	0°59	13°58	14°55	6°55	n.a.	T 27
W28	19 54 37	26°53'24	5♓37	19°51	20° 7	15°23	4°17	12° 3	21° 6	8°18	0°58	13°59	14°52	7° 2	n.a.	W28
T 29	19 58 33	27°51'31	18° 1	19°12	21°17	16° 3	4°11	12°10	21° 5	8°19	0°56	14° 0	14°48	7° 8	n.a.	T 29
F 30	20 2 30	28°49'39	0♈38	18°39	22°28	16°43	4° 4	12°18	21° 3	8°20	0°55	14° 1	14°45	7°15	n.a.	F 30
S 31	20 6 26	29♋47'50	13♈33	18♋13	23♊39	17♍23	3♑58	12♌25	21♓ 2	8♎21	0♒54	14♒ 2	14♒42	7♑22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n46	6s32	2n 6	19n24	1s35	15n31	2s18	13n 1	0n44	24s15	0s42	19n49	1n37	4s10	0s45	1s23	2n 1	32s40	12s56	16s38	16s11	27s11			n.a.
F 2	23 46	0 46	3 4	19 3	1 48	15 52	2 16	12 47	0 43	24 16	0 42	19 47	1 37	4 10	0 45	1 23	2 1	32 41	12 56	16 38	16 12	27 10			n.a.
S 3	23 45	5n11	3 55	18 44	2 0	16 12	2 13	12 33	0 42	24 17	0 43	19 46	1 37	4 10	0 45	1 23	2 1	32 41	12 56	16 38	16 13	27 9			n.a.
S 4	23 43	11 5	4 36	18 25	2 12	16 32	2 11	12 19	0 41	24 17	0 43	19 44	1 37	4 11	0 45	1 23	2 1	32 42	12 56	16 38	16 14	27 8			n.a.
M 5	23 42	16 40	5 2	18 7	2 25	16 51	2 9	12 5	0 40	24 18	0 43	19 42	1 36	4 11	0 45	1 23	2 1	32 42	12 56	16 39	16 15	27 7			n.a.
T 6	23 39	21 33	5 11	17 50	2 37	17 10	2 6	11 50	0 39	24 18	0 43	19 40	1 36	4 11	0 45	1 24	2 1	32 42	12 57	16 40	16 15	27 6			n.a.
W 7	23 36	25 16	5 0	17 34	2 50	17 29	2 4	11 36	0 38	24 19	0 43	19 38	1 36	4 11	0 45	1 24	2 1	32 43	12 57	16 41	16 16	27 5			n.a.
T 8	23 33	27 20	4 29	17 19	3 2	17 48	2 1	11 21	0 37	24 20	0 43	19 37	1 36	4 11	0 45	1 24	2 1	32 43	12 57	16 43	16 17	27 5			n.a.
F 9	23 30	27 25	3 38	17 5	3 13	18 6	1 58	11 6	0 37	24 20	0 44	19 35	1 36	4 11	0 45	1 24	2 1	32 44	12 57	16 45	16 18	27 4			n.a.
S 10	23 26	25 25	2 32	16 53	3 25	18 24	1 56	10 51	0 36	24 21	0 44	19 33	1 36	4 11	0 45	1 24	2 1	32 44	12 57	16 46	16 19	27 3			n.a.
S 11	23 21	21 36	1 16	16 43	3 36	18 41	1 53	10 36	0 35	24 21	0 44	19 31	1 36	4 11	0 45	1 25	2 1	32 45	12 57	16 46	16 20	27 2			n.a.
M12	23 17	16 27	0s 5	16 34	3 46	18 58	1 50	10 21	0 34	24 22	0 44	19 29	1 36	4 11	0 45	1 25	2 0	32 45	12 58	16 47	16 21	27 1			n.a.
T 13	23 11	10 29	1 23	16 27	3 56	19 14	1 47	10 6	0 33	24 22	0 44	19 27	1 36	4 12	0 45	1 25	2 0	32 46	12 58	16 46	16 22	27 0			n.a.
W14	23 6	4 9	2 34	16 22	4 5	19 31	1 44	9 51	0 32	24 23	0 44	19 25	1 36	4 12	0 45	1 25	2 0	32 46	12 58	16 46	16 23	26 59			n.a.
T 15	23 0	2s 9	3 34	16 19	4 13	19 46	1 41	9 36	0 31	24 23	0 44	19 23	1 36	4 12	0 45	1 26	2 0	32 46	12 58	16 46	16 24	26 58			n.a.
F 16	22 53	8 10	4 20	16 19	4 20	20 1	1 38	9 20	0 30	24 24	0 44	19 22	1 36	4 12	0 45	1 26	2 0	32 47	12 58	16 45	16 25	26 57			n.a.
S 17	22 46	13 40	4 53	16 20	4 25	20 16	1 35	9 5	0 30	24 24	0 45	19 20	1 36	4 13	0 46	1 26	2 0	32 47	12 58	16 45	16 26	26 56			n.a.
S 18	22 39	18 29	5 10	16 24	4 30	20 30	1 32	8 49	0 29	24 24	0 45	19 18	1 36	4 13	0 46	1 27	2 0	32 48	12 58	16 46	16 27	26 55			n.a.
M19	22 31	22 26	5 13	16 30	4 32	20 44	1 29	8 34	0 28	24 25	0 45	19 16	1 36	4 13	0 46	1 27	2 0	32 48	12 58	16 46	16 28	26 54			n.a.
T 20	22 23	25 22	5 2	16 38	4 33	20 58	1 26	8 18	0 27	24 25	0 45	19 14	1 36	4 13	0 46	1 27	2 0	32 48	12 59	16 47	16 29	26 53			n.a.
W21	22 15	27 8	4 38	16 49	4 32	21 10	1 23	8 2	0 26	24 26	0 45	19 12	1 36	4 14	0 46	1 28	2 0	32 49	12 59	16 49	16 30	26 52			n.a.
T 22	22 6	27 39	4 2	17 1	4 29	21 23	1 20	7 46	0 25	24 26	0 45	19 10	1 36	4 14	0 46	1 28	2 0	32 49	12 59	16 50	16 31	26 51			n.a.
F 23	21 57	26 54	3 15	17 15	4 24	21 34	1 16	7 30	0 24	24 26	0 45	19 8	1 36	4 15	0 46	1 28	2 0	32 50	12 59	16 51	16 32	26 50			n.a.
S 24	21 47	24 56	2 21	17 31	4 18	21 45	1 13	7 14	0 24	24 27	0 45	19 6	1 36	4 15	0 46	1 29	2 0	32 50	12 59	16 52	16 33	26 49			n.a.
S 25	21 37	21 51	1 19	17 49	4 9	21 56	1 10	6 58	0 23	24 27	0 45	19 4	1 36	4 15	0 46	1 29	2 0	32 50	12 59	16 52	16 34	26 48			n.a.
M26	21 26	17 51	0 14	18 7	3 59	22 6	1 7	6 42	0 22	24 27	0 46	19 2	1 36	4 16	0 46	1 30	2 0	32 51	12 59	16 52	16 35	26 47			n.a.
T 27	21 16	13 5	0n52	18 27	3 46	22 15	1 3	6 25	0 21	24 28	0 46	19 0	1 36	4 16	0 46	1 30	2 0	32 51	12 59	16 52	16 35	26 46			n.a.
W28	21 5	7 46	1 57	18 47	3 33	22 24	1 0	6 9	0 20	24 28	0 46	18 58	1 36	4 17	0 46	1 31	1 59	32 52	12 59	16 52	16 36	26 45			n.a.
T 29	20 53	2 5	2 57	19 7	3 18	22 33	0 57	5 53	0 19	24 28	0 46	18 56	1 36	4 17	0 46	1 31	1 59	32 52	12 59	16 52	16 37	26 44			n.a.
F 30	20 41	3n46	3 50	19 28	3 2	22 40	0 53	5 36	0 19	24 29	0 46	18 54	1 36	4 18	0 46	1 31	1 59	32 52	12 59	16 51	16 38	26 43			n.a.
S 31	20n29	9n36	4n33	19n48	2s45	22n47	0s50	5n20	0n18	24s29	0s46	18n52	1n37	4s18	0s46	1s32	1n59	32s53	12s59	16s51	16s39	26s41			n.a.

Julian Day Number = 1475791.5, Delta T = 05h27m00s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'41, Lahiri = -13°14'40 Julian Calendar 1 July 673 BCE == Greg. Calendar 24 June 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

AUGUST 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 10 23	0♌46'03	26♈48	17°R54	24♊50	18♍ 3	3°R52	12♌32	21°R 1	8♎22	0°R53	14°R 3	14♒39	7♉28	n.a.	S 1
M 2	20 14 19	1°44'18	10♉25	17♋44	26° 1	18°43	3♉45	12°39	20♓59	8°23	0♒51	14♒ 3	14°36	7°35	n.a.	M 2
T 3	20 18 16	2°42'35	24°26	17°D43	27°12	19°23	3°39	12°47	20°58	8°24	0°50	14° 2	14°32	7°42	n.a.	T 3
W 4	20 22 12	3°40'55	8♊49	17°50	28°23	20° 4	3°34	12°54	20°57	8°25	0°49	14° 1	14°29	7°48	n.a.	W 4
T 5	20 26 9	4°39'17	23°31	18° 6	29°35	20°44	3°28	13° 1	20°55	8°26	0°47	14° 0	14°26	7°55	n.a.	T 5
F 6	20 30 6	5°37'41	8♋27	18°31	0♋46	21°25	3°22	13° 9	20°54	8°28	0°46	13°59	14°23	8° 2	n.a.	F 6
S 7	20 34 2	6°36'07	23°30	19° 5	1°58	22° 5	3°17	13°16	20°52	8°29	0°45	13°58	14°20	8° 8	n.a.	S 7
S 8	20 37 59	7°34'36	8♌31	19°47	3° 9	22°46	3°12	13°24	20°51	8°30	0°44	13°D58	14°17	8°15	n.a.	S 8
M 9	20 41 55	8°33'06	23°21	20°37	4°21	23°27	3° 7	13°31	20°49	8°32	0°42	13°58	14°13	8°22	n.a.	M 9
T 10	20 45 52	9°31'38	7♍53	21°35	5°33	24° 8	3° 2	13°38	20°47	8°33	0°41	13°58	14°10	8°28	n.a.	T 10
W11	20 49 48	10°30'11	22° 2	22°40	6°45	24°48	2°57	13°46	20°46	8°34	0°40	13°59	14° 7	8°35	n.a.	W11
T 12	20 53 45	11°28'47	5♎45	23°52	7°56	25°29	2°53	13°53	20°44	8°36	0°39	13°59	14° 4	8°42	n.a.	T 12
F 13	20 57 41	12°27'25	19° 3	25°10	9° 8	26°11	2°48	14° 0	20°42	8°37	0°37	13°59	14° 1	8°48	n.a.	F 13
S 14	21 1 38	13°26'04	1♏56	26°33	10°21	26°52	2°44	14° 8	20°41	8°38	0°36	13°59	13°58	8°55	n.a.	S 14
S 15	21 5 35	14°24'45	14°28	28° 2	11°33	27°33	2°40	14°15	20°39	8°40	0°35	13°59	13°54	9° 2	n.a.	S 15
M16	21 9 31	15°23'28	26°43	29°34	12°45	28°14	2°36	14°23	20°37	8°41	0°34	13°59	13°51	9° 8	n.a.	M16
T 17	21 13 28	16°22'13	8♐45	1♌10	13°57	28°56	2°32	14°30	20°35	8°43	0°32	13°59	13°48	9°15	n.a.	T 17
W18	21 17 24	17°21'00	20°39	2°50	15°10	29°37	2°29	14°37	20°33	8°45	0°31	14° 0	13°45	9°22	n.a.	W18
T 19	21 21 21	18°19'48	2♑29	4°32	16°22	0♎19	2°25	14°45	20°31	8°46	0°30	14° 0	13°42	9°28	n.a.	T 19
F 20	21 25 17	19°18'39	14°18	6°16	17°35	1° 0	2°22	14°52	20°29	8°48	0°29	14° 1	13°38	9°35	n.a.	F 20
S 21	21 29 14	20°17'31	26°11	8° 2	18°48	1°42	2°19	15° 0	20°27	8°49	0°28	14° 1	13°35	9°42	n.a.	S 21
S 22	21 33 10	21°16'26	8♒10	9°49	20° 0	2°24	2°16	15° 7	20°25	8°51	0°26	14°R 2	13°32	9°48	n.a.	S 22
M23	21 37 7	22°15'22	20°16	11°37	21°13	3° 6	2°14	15°14	20°23	8°53	0°25	14° 2	13°29	9°55	n.a.	M23
T 24	21 41 3	23°14'21	2♓33	13°26	22°26	3°48	2°11	15°22	20°21	8°54	0°24	14° 1	13°26	10° 2	n.a.	T 24
W25	21 45 0	24°13'22	15° 1	15°15	23°39	4°30	2° 9	15°29	20°19	8°56	0°23	14° 0	13°23	10° 8	n.a.	W25
T 26	21 48 57	25°12'25	27°41	17° 4	24°52	5°12	2° 7	15°36	20°17	8°58	0°22	13°59	13°19	10°15	n.a.	T 26
F 27	21 52 53	26°11'30	10♈34	18°53	26° 5	5°54	2° 5	15°44	20°15	8°59	0°21	13°57	13°16	10°22	n.a.	F 27
S 28	21 56 50	27°10'38	23°42	20°42	27°18	6°36	2° 4	15°51	20°12	9° 1	0°20	13°55	13°13	10°28	n.a.	S 28
S 29	22 0 46	28° 9'48	7♉ 5	22°31	28°32	7°18	2° 2	15°58	20°10	9° 3	0°18	13°54	13°10	10°35	n.a.	S 29
M30	22 4 43	29° 9'00	20°43	24°19	29°45	8° 1	2° 1	16° 6	20° 8	9° 5	0°17	13°53	13° 7	10°42	n.a.	M30
T 31	22 8 39	0♍ 8'16	4♊36	26♌ 7	0♌58	8♎43	2♉ 0	16♌13	20♓ 6	9♎ 7	0♒16	13°D53	13♒ 4	10♉48	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	20n16	15n10	5n 3	20n 8	2s27	22n54	0s47	5n 3	0n17	24s29	0s46	18n49	1n37	4s19	0s46	1s32	1n59	32s53	12s59	16s51	16s40	26s40			n.a.
M 2	20 3	20 9	5 16	20 27	2 9	23 0	0 44	4 46	0 16	24 29	0 46	18 47	1 37	4 19	0 46	1 33	1 59	32 53	13 0	16 51	16 41	26 39			n.a.
T 3	19 50	24 10	5 12	20 46	1 50	23 5	0 40	4 30	0 15	24 30	0 46	18 45	1 37	4 20	0 46	1 33	1 59	32 54	13 0	16 51	16 42	26 38			n.a.
W 4	19 36	26 49	4 48	21 3	1 32	23 9	0 37	4 13	0 14	24 30	0 46	18 43	1 37	4 21	0 46	1 34	1 59	32 54	13 0	16 51	16 43	26 37			n.a.
T 5	19 22	27 41	4 5	21 19	1 14	23 13	0 34	3 56	0 14	24 30	0 46	18 41	1 37	4 21	0 46	1 34	1 59	32 54	13 0	16 52	16 44	26 36			n.a.
F 6	19 8	26 34	3 5	21 33	0 56	23 16	0 30	3 39	0 13	24 30	0 46	18 39	1 37	4 22	0 46	1 35	1 59	32 55	13 0	16 52	16 45	26 35			n.a.
S 7	18 53	23 31	1 51	21 45	0 39	23 19	0 27	3 22	0 12	24 31	0 46	18 37	1 37	4 22	0 46	1 36	1 59	32 55	13 0	16 52	16 46	26 34			n.a.
S 8	18 38	18 52	0 30	21 56	0 23	23 21	0 24	3 5	0 11	24 31	0 46	18 35	1 37	4 23	0 46	1 36	1 59	32 55	13 0	16 52	16 47	26 33			n.a.
M 9	18 23	13 7	0s52	22 4	0 7	23 22	0 20	2 48	0 10	24 31	0 46	18 33	1 37	4 24	0 46	1 37	1 59	32 56	13 0	16 52	16 48	26 31			n.a.
T 10	18 7	6 44	2 9	22 9	0n 8	23 22	0 17	2 31	0 10	24 31	0 46	18 31	1 37	4 24	0 46	1 37	1 59	32 56	13 0	16 52	16 49	26 30			n.a.
W11	17 51	0 12	3 16	22 12	0 22	23 22	0 14	2 14	0 9	24 31	0 47	18 29	1 37	4 25	0 46	1 38	1 59	32 56	13 0	16 52	16 50	26 29			n.a.
T 12	17 35	6s 8	4 10	22 13	0 35	23 21	0 11	1 56	0 8	24 31	0 47	18 26	1 37	4 26	0 46	1 39	1 59	32 56	13 0	16 52	16 50	26 28			n.a.
F 13	17 18	11 59	4 48	22 11	0 47	23 20	0 8	1 39	0 7	24 31	0 47	18 24	1 37	4 26	0 46	1 39	1 59	32 57	13 0	16 52	16 51	26 27			n.a.
S 14	17 1	17 9	5 11	22 5	0 58	23 18	0 4	1 22	0 6	24 32	0 47	18 22	1 37	4 27	0 46	1 40	1 58	32 57	13 0	16 52	16 52	26 26			n.a.
S 15	16 44	21 27	5 18	21 58	1 8	23 15	0 1	1 4	0 6	24 32	0 47	18 20	1 37	4 28	0 46	1 40	1 58	32 57	12 59	16 52	16 53	26 24			n.a.
M16	16 27	24 43	5 10	21 47	1 17	23 11	0n 2	0 47	0 5	24 32	0 47	18 18	1 37	4 29	0 46	1 41	1 58	32 57	12 59	16 52	16 54	26 23			n.a.
T 17	16 9	26 49	4 49	21 33	1 24	23 7	0 5	0 30	0 4	24 32	0 47	18 16	1 37	4 29	0 46	1 42	1 58	32 58	12 59	16 52	16 55	26 22			n.a.
W18	15 51	27 41	4 15	21 17	1 31	23 2	0 8	0 12	0 3	24 32	0 47	18 14	1 37	4 30	0 46	1 42	1 58	32 58	12 59	16 52	16 56	26 21			n.a.
T 19	15 33	27 16	3 31	20 58	1 37	22 57	0 11	0s 5	0 3	24 32	0 47	18 11	1 37	4 31	0 46	1 43	1 58	32 58	12 59	16 52	16 57	26 20			n.a.
F 20	15 14	25 37	2 38	20 36	1 41	22 50	0 14	0 23	0 2	24 32	0 47	18 9	1 38	4 32	0 46	1 44	1 58	32 58	12 59	16 51	16 58	26 18			n.a.
S 21	14 56	22 48	1 37	20 12	1 45	22 43	0 17	0 40	0 1	24 32	0 47	18 7	1 38	4 33	0 46	1 44	1 58	32 59	12 59	16 51	16 59	26 17			n.a.
S 22	14 37	19 0	0 32	19 46	1 48	22 36	0 20	0 58	0 0	24 32	0 47	18 5	1 38	4 33	0 46	1 45	1 58	32 59	12 59	16 51	17 0	26 16			n.a.
M23	14 17	14 23	0n35	19 18	1 50	22 27	0 23	1 15	0s 1	24 32	0 47	18 3	1 38	4 34	0 46	1 46	1 58	32 59	12 59	16 51	17 1	26 15			n.a.
T 24	13 58	9 9	1 41	18 48	1 51	22 18	0 26	1 33	0 1	24 32	0 47	18 1	1 38	4 35	0 46	1 46	1 58	32 59	12 59	16 51	17 2	26 13			n.a.
W25	13 38	3 29	2 43	18 16	1 52	22 9	0 29	1 51	0 2	24 32	0 47	17 59	1 38	4 36	0 47	1 47	1 58	32 59	12 59	16 52	17 2	26 12			n.a.
T 26	13 18	2n24	3 39	17 42	1 52	21 58	0 31	2 8	0 3	24 32	0 47	17 56	1 38	4 37	0 47	1 48	1 58	33 0	12 59	16 52	17 3	26 11			n.a.
F 27	12 58	8 17	4 24	17 7	1 51	21 47	0 34	2 26	0 4	24 32	0 47	17 54	1 38	4 38	0 47	1 49	1 58	33 0	12 59	16 52	17 4	26 10			n.a.
S 28	12 37	13 55	4 57	16 31	1 49	21 36	0 37	2 43	0 4	24 32	0 47	17 52	1 38	4 39	0 47	1 49	1 58	33 0	12 59	16 53	17 5	26 8			n.a.
S 29	12 17	19 0	5 14	15 53	1 47	21 23	0 39	3 1	0 5	24 32	0 47	17 50	1 38	4 40	0 47	1 50	1 58	33 0	12 58	16 53	17 6	26 7			n.a.
M30	11 56	23 13	5 14	15 15	1 45	21 10	0 42	3 19	0 6	24 33	0 47	17 48	1 38	4 40	0 47	1 51	1 58	33 0	12 58	16 54	17 7	26 6			n.a.
T 31	11n35	26n12	4n56	14n35	1n42	20n57	0n44	3s36	0s 7	24s33	0s47	17n46	1n38	4s41	0s47	1s52	1n58	33s 0	12s58	16s54	17s 8	26s 4			n.a.

Julian Day Number = 1475822.5, Delta T = 05h26m58s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'37, Lahiri = -13°14'36 Julian Calendar 1 Aug. 673 BCE == Greg. Calendar 25 July 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

SEPTEMBER 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 12 36	1♍ 7'33	18♊45	27♌54	2♌12	9♎26	1°R59	16♌20	20°R 3	9♎ 9	0°R15	13♒54	13♒ 0	10♑55	n.a.	W 1
T 2	22 16 32	2° 6'53	3♋ 7	29°41	3°25	10° 8	1♑58	16°27	20♓ 1	9°10	0♒14	13°55	12°57	11° 2	n.a.	T 2
F 3	22 20 29	3° 6'16	17°40	1♍27	4°39	10°51	1°58	16°34	19°59	9°12	0°13	13°56	12°54	11° 8	n.a.	F 3
S 4	22 24 26	4° 5'41	2♌19	3°12	5°53	11°34	1°58	16°42	19°57	9°14	0°12	13°57	12°51	11°15	n.a.	S 4
S 5	22 28 22	5° 5'08	16°59	4°57	7° 7	12°16	1°D58	16°49	19°54	9°16	0°11	13°R57	12°48	11°22	n.a.	S 5
M 6	22 32 19	6° 4'38	1♍34	6°40	8°20	12°59	1°58	16°56	19°52	9°18	0°10	13°57	12°44	11°28	n.a.	M 6
T 7	22 36 15	7° 4'09	15°56	8°23	9°34	13°42	1°58	17° 3	19°49	9°20	0° 9	13°55	12°41	11°35	n.a.	T 7
W 8	22 40 12	8° 3'43	0♎ 1	10° 6	10°48	14°25	1°59	17°10	19°47	9°22	0° 8	13°52	12°38	11°42	n.a.	W 8
T 9	22 44 8	9° 3'19	13°45	11°47	12° 2	15° 8	2° 0	17°17	19°45	9°24	0° 7	13°48	12°35	11°48	n.a.	T 9
F 10	22 48 5	10° 2'56	27° 5	13°28	13°16	15°52	2° 0	17°24	19°42	9°26	0° 6	13°44	12°32	11°55	n.a.	F 10
S 11	22 52 1	11° 2'36	10♏ 2	15° 8	14°30	16°35	2° 2	17°31	19°40	9°28	0° 5	13°40	12°29	12° 2	n.a.	S 11
S 12	22 55 58	12° 2'17	22°37	16°48	15°44	17°18	2° 3	17°38	19°37	9°30	0° 4	13°37	12°25	12° 8	n.a.	S 12
M13	22 59 54	13° 2'01	4♐54	18°27	16°59	18° 2	2° 5	17°45	19°35	9°32	0° 4	13°36	12°22	12°15	n.a.	M13
T 14	23 3 51	14° 1'46	16°56	20° 5	18°13	18°45	2° 6	17°52	19°33	9°34	0° 3	13°D36	12°19	12°22	n.a.	T 14
W15	23 7 48	15° 1'33	28°50	21°42	19°27	19°29	2° 8	17°59	19°30	9°36	0° 2	13°36	12°16	12°28	n.a.	W15
T 16	23 11 44	16° 1'22	10♑39	23°19	20°41	20°12	2°10	18° 6	19°28	9°38	0° 1	13°38	12°13	12°35	n.a.	T 16
F 17	23 15 41	17° 1'13	22°29	24°55	21°56	20°56	2°13	18°13	19°25	9°40	0° 0	13°40	12°10	12°42	n.a.	F 17
S 18	23 19 37	18° 1'06	4♒25	26°31	23°10	21°40	2°15	18°19	19°23	9°43	29♑59	13°41	12° 6	12°48	n.a.	S 18
S 19	23 23 34	19° 1'00	16°29	28° 6	24°25	22°23	2°18	18°26	19°20	9°45	29°59	13°R42	12° 3	12°55	n.a.	S 19
M20	23 27 30	20° 0'57	28°46	29°41	25°39	23° 7	2°21	18°33	19°18	9°47	29°58	13°40	12° 0	13° 2	n.a.	M20
T 21	23 31 27	21° 0'55	11♓18	1♎15	26°54	23°51	2°24	18°39	19°15	9°49	29°57	13°37	11°57	13° 8	n.a.	T 21
W22	23 35 23	22° 0'55	24° 5	2°48	28° 8	24°35	2°27	18°46	19°13	9°51	29°57	13°33	11°54	13°15	n.a.	W22
T 23	23 39 20	23° 0'57	7♈ 8	4°21	29°23	25°19	2°31	18°53	19°10	9°53	29°56	13°26	11°50	13°22	n.a.	T 23
F 24	23 43 17	24° 1'02	20°25	5°53	0♍38	26° 3	2°34	18°59	19° 8	9°56	29°55	13°19	11°47	13°28	n.a.	F 24
S 25	23 47 13	25° 1'08	3♉55	7°25	1°52	26°47	2°38	19° 6	19° 6	9°58	29°55	13°12	11°44	13°35	n.a.	S 25
S 26	23 51 10	26° 1'17	17°37	8°56	3° 7	27°32	2°42	19°12	19° 3	10° 0	29°54	13° 6	11°41	13°42	n.a.	S 26
M27	23 55 6	27° 1'28	1♊27	10°27	4°22	28°16	2°47	19°18	19° 1	10° 2	29°53	13° 2	11°38	13°48	n.a.	M27
T 28	23 59 3	28° 1'41	15°25	11°58	5°37	29° 0	2°51	19°25	18°58	10° 4	29°53	12°59	11°35	13°55	n.a.	T 28
W29	0 2 59	29° 1'56	29°29	13°28	6°52	29°45	2°56	19°31	18°56	10° 7	29°52	12°D58	11°31	14° 2	n.a.	W29
T 30	0 6 56	0♎ 2'14	13♋37	14♎57	8♍ 7	0♏29	3♑ 0	19♌37	18♓54	10♎ 9	29♑52	12♒59	11♒28	14♑ 8	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	11n14	27n36	4n20	13n55	1n39	20n43	0n47	3s54	0s 7	24s33	0s47	17n44	1n39	4s42	0s47	1s52	1n58	33s 0	12s58	16s53	17s 9	26s 3		n.a.	W 1
T 2	10 52	27 11	3 27	13 13	1 35	20 28	0 49	4 12	0 8	24 33	0 47	17 42	1 39	4 43	0 47	1 53	1 58	33 1	12 58	16 53	17 10	26 2		n.a.	T 2
F 3	10 31	24 54	2 20	12 31	1 31	20 12	0 52	4 29	0 9	24 33	0 47	17 39	1 39	4 44	0 47	1 54	1 58	33 1	12 58	16 53	17 11	26 0		n.a.	F 3
S 4	10 9	20 57	1 4	11 49	1 26	19 56	0 54	4 47	0 10	24 33	0 47	17 37	1 39	4 45	0 47	1 55	1 58	33 1	12 58	16 52	17 12	25 59		n.a.	S 4
S 5	9 47	15 42	0s17	11 6	1 22	19 40	0 56	5 5	0 10	24 32	0 47	17 35	1 39	4 46	0 47	1 56	1 58	33 1	12 58	16 52	17 13	25 58		n.a.	S 5
M 6	9 25	9 35	1 36	10 22	1 17	19 22	0 58	5 22	0 11	24 32	0 47	17 33	1 39	4 47	0 47	1 56	1 57	33 1	12 57	16 53	17 13	25 56		n.a.	M 6
T 7	9 2	3 4	2 47	9 39	1 12	19 5	1 0	5 40	0 12	24 32	0 47	17 31	1 39	4 48	0 47	1 57	1 57	33 1	12 57	16 53	17 14	25 55		n.a.	T 7
W 8	8 40	3s28	3 47	8 54	1 6	18 46	1 3	5 57	0 12	24 32	0 47	17 29	1 39	4 49	0 47	1 58	1 57	33 1	12 57	16 54	17 15	25 54		n.a.	W 8
T 9	8 17	9 40	4 32	8 10	1 0	18 27	1 5	6 15	0 13	24 32	0 47	17 27	1 39	4 50	0 47	1 59	1 57	33 1	12 57	16 55	17 16	25 52		n.a.	T 9
F 10	7 54	15 14	5 1	7 26	0 55	18 8	1 6	6 32	0 14	24 32	0 47	17 25	1 40	4 51	0 47	2 0	1 57	33 1	12 57	16 56	17 17	25 51		n.a.	F 10
S 11	7 32	19 58	5 13	6 41	0 49	17 48	1 8	6 50	0 15	24 32	0 47	17 23	1 40	4 52	0 47	2 1	1 57	33 1	12 57	16 57	17 18	25 50		n.a.	S 11
S 12	7 9	23 40	5 10	5 56	0 43	17 28	1 10	7 7	0 15	24 32	0 47	17 21	1 40	4 53	0 47	2 1	1 57	33 1	12 56	16 58	17 19	25 48		n.a.	S 12
M13	6 45	26 12	4 52	5 11	0 36	17 7	1 12	7 25	0 16	24 32	0 47	17 19	1 40	4 54	0 47	2 2	1 57	33 1	12 56	16 59	17 20	25 47		n.a.	M13
T 14	6 22	27 29	4 22	4 26	0 30	16 45	1 14	7 42	0 17	24 32	0 47	17 17	1 40	4 55	0 47	2 3	1 57	33 1	12 56	16 59	17 21	25 45		n.a.	T 14
W15	5 59	27 28	3 41	3 42	0 23	16 23	1 15	8 0	0 17	24 32	0 47	17 15	1 40	4 56	0 47	2 4	1 57	33 1	12 56	16 58	17 22	25 44		n.a.	W15
T 16	5 35	26 11	2 51	2 57	0 17	16 1	1 17	8 17	0 18	24 32	0 46	17 13	1 40	4 57	0 47	2 5	1 57	33 1	12 56	16 58	17 23	25 43		n.a.	T 16
F 17	5 12	23 44	1 53	2 12	0 10	15 38	1 18	8 34	0 19	24 32	0 46	17 11	1 40	4 58	0 47	2 6	1 57	33 1	12 55	16 57	17 23	25 41		n.a.	F 17
S 18	4 48	20 15	0 51	1 28	0 4	15 14	1 20	8 52	0 20	24 32	0 46	17 9	1 41	4 59	0 47	2 7	1 57	33 1	12 55	16 57	17 24	25 40		n.a.	S 18
S 19	4 24	15 52	0n15	0 43	0s 3	14 50	1 21	9 9	0 20	24 32	0 46	17 7	1 41	4 59	0 47	2 7	1 57	33 1	12 55	16 57	17 25	25 38		n.a.	S 19
M20	4 1	10 48	1 21	0s 1	0 10	14 26	1 22	9 26	0 21	24 32	0 46	17 5	1 41	5 0	0 47	2 8	1 57	33 1	12 55	16 57	17 26	25 37		n.a.	M20
T 21	3 37	5 12	2 25	0 45	0 16	14 2	1 23	9 43	0 22	24 32	0 46	17 3	1 41	5 1	0 47	2 9	1 57	33 1	12 55	16 58	17 27	25 35		n.a.	T 21
W22	3 13	0n42	3 22	1 29	0 23	13 36	1 25	10 0	0 22	24 32	0 46	17 1	1 41	5 2	0 47	2 10	1 57	33 1	12 54	17 0	17 28	25 34		n.a.	W22
T 23	2 49	6 41	4 10	2 12	0 30	13 11	1 26	10 17	0 23	24 32	0 46	16 59	1 41	5 3	0 47	2 11	1 57	33 1	12 54	17 1	17 29	25 33		n.a.	T 23
F 24	2 25	12 28	4 45	2 56	0 37	12 45	1 27	10 34	0 24	24 31	0 46	16 57	1 42	5 4	0 47	2 12	1 57	33 1	12 54	17 3	17 30	25 31		n.a.	F 24
S 25	2 0	17 46	5 5	3 39	0 43	12 19	1 28	10 51	0 24	24 31	0 46	16 55	1 42	5 5	0 47	2 13	1 57	33 1	12 54	17 5	17 31	25 30		n.a.	S 25
S 26	1 36	22 15	5 8	4 21	0 50	11 52	1 28	11 8	0 25	24 31	0 46	16 53	1 42	5 6	0 47	2 14	1 57	33 1	12 54	17 7	17 32	25 28		n.a.	S 26
M27	1 12	25 31	4 53	5 3	0 56	11 26	1 29	11 24	0 26	24 31	0 46	16 51	1 42	5 7	0 47	2 14	1 57	33 1	12 53	17 9	17 32	25 27		n.a.	M27
T 28	0 48	27 18	4 21	5 45	1 3	10 58	1 30	11 41	0 26	24 31	0 46	16 49	1 42	5 8	0 47	2 15	1 57	33 1	12 53	17 9	17 33	25 25		n.a.	T 28
W29	0 23	27 20	3 33	6 27	1 9	10 31	1 30	11 57	0 27	24 31	0 46	16 47	1 42	5 9	0 47	2 16	1 57	33 1	12 53	17 10	17 34	25 24		n.a.	W29
T 30	0s 1	25n35	2n32	7s 8	1s16	10n 3	1n31	12s14	0s28	24s31	0s46	16n46	1n42	5s10	0s47	2s17	1n57	33s 1	12s53	17s 9	17s35	25s22		n.a.	T 30

Julian Day Number = 1475853.5, Delta T = 05h26m57s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'32, Lahiri = -13°14'32 Julian Calendar 1 Sept. 673 BCE == Greg. Calendar 25 Aug. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

OCTOBER 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 10 52	1♎ 2'34	27♋49	16♎26	9♍22	1♏14	3♑ 5	19♌43	18°R51	10♎11	29°R51	13♒ 0	11♒25	14♑15	n.a.	F 1
S 2	0 14 49	2° 2'55	12♌ 2	17°54	10°37	1°58	3°10	19°50	18♓49	10°13	29♑51	13°R 1	11°22	14°22	n.a.	S 2
S 3	0 18 46	3° 3'19	26°15	19°22	11°52	2°43	3°16	19°56	18°46	10°15	29°50	13° 0	11°19	14°28	n.a.	S 3
M 4	0 22 42	4° 3'45	10♍23	20°50	13° 7	3°28	3°21	20° 2	18°44	10°18	29°50	12°57	11°15	14°35	n.a.	M 4
T 5	0 26 39	5° 4'13	24°24	22°16	14°22	4°13	3°27	20° 8	18°42	10°20	29°49	12°51	11°12	14°42	n.a.	T 5
W 6	0 30 35	6° 4'42	8♎12	23°43	15°37	4°57	3°33	20°13	18°39	10°22	29°49	12°44	11° 9	14°48	n.a.	W 6
T 7	0 34 32	7° 5'14	21°45	25° 8	16°52	5°42	3°39	20°19	18°37	10°24	29°49	12°34	11° 6	14°55	n.a.	T 7
F 8	0 38 28	8° 5'47	4♏59	26°33	18° 7	6°27	3°45	20°25	18°35	10°27	29°48	12°24	11° 3	15° 2	n.a.	F 8
S 9	0 42 25	9° 6'21	17°53	27°57	19°23	7°12	3°51	20°31	18°33	10°29	29°48	12°14	11° 0	15° 8	n.a.	S 9
S 10	0 46 21	10° 6'57	0♐27	29°20	20°38	7°57	3°58	20°36	18°30	10°31	29°48	12° 6	10°56	15°15	n.a.	S 10
M11	0 50 18	11° 7'35	12°44	0♏43	21°53	8°43	4° 4	20°42	18°28	10°33	29°48	11°59	10°53	15°22	n.a.	M11
T 12	0 54 14	12° 8'14	24°47	2° 4	23° 8	9°28	4°11	20°48	18°26	10°36	29°47	11°55	10°50	15°28	n.a.	T 12
W13	0 58 11	13° 8'54	6♑41	3°24	24°24	10°13	4°18	20°53	18°24	10°38	29°47	11°53	10°47	15°35	n.a.	W13
T 14	1 2 8	14° 9'36	18°29	4°43	25°39	10°58	4°25	20°58	18°22	10°40	29°47	11°D53	10°44	15°42	n.a.	T 14
F 15	1 6 4	15°10'19	0♒19	6° 0	26°54	11°44	4°33	21° 4	18°19	10°42	29°47	11°54	10°41	15°48	n.a.	F 15
S 16	1 10 1	16°11'03	12°15	7°16	28°10	12°29	4°40	21° 9	18°17	10°45	29°47	11°R54	10°37	15°55	n.a.	S 16
S 17	1 13 57	17°11'48	24°22	8°30	29°25	13°15	4°48	21°14	18°15	10°47	29°46	11°54	10°34	16° 2	n.a.	S 17
M18	1 17 54	18°12'34	6♓45	9°42	0♎40	14° 0	4°55	21°19	18°13	10°49	29°46	11°51	10°31	16° 8	n.a.	M18
T 19	1 21 50	19°13'22	19°28	10°51	1°56	14°46	5° 3	21°24	18°11	10°51	29°46	11°45	10°28	16°15	n.a.	T 19
W20	1 25 47	20°14'11	2♈31	11°58	3°11	15°31	5°11	21°29	18° 9	10°54	29°46	11°37	10°25	16°22	n.a.	W20
T 21	1 29 43	21°15'01	15°55	13° 2	4°27	16°17	5°20	21°34	18° 7	10°56	29°D46	11°26	10°21	16°28	n.a.	T 21
F 22	1 33 40	22°15'53	29°38	14° 3	5°42	17° 3	5°28	21°39	18° 5	10°58	29°46	11°15	10°18	16°35	n.a.	F 22
S 23	1 37 37	23°16'45	13♉37	14°59	6°58	17°48	5°36	21°44	18° 3	11° 0	29°46	11° 3	10°15	16°42	n.a.	S 23
S 24	1 41 33	24°17'40	27°46	15°51	8°13	18°34	5°45	21°48	18° 2	11° 3	29°46	10°52	10°12	16°48	n.a.	S 24
M25	1 45 30	25°18'36	12♊ 0	16°38	9°29	19°20	5°54	21°53	18° 0	11° 5	29°46	10°43	10° 9	16°55	n.a.	M25
T 26	1 49 26	26°19'33	26°16	17°19	10°44	20° 6	6° 3	21°57	17°58	11° 7	29°47	10°38	10° 6	17° 1	n.a.	T 26
W27	1 53 23	27°20'32	10♋29	17°53	12° 0	20°52	6°12	22° 2	17°56	11° 9	29°47	10°34	10° 2	17° 8	n.a.	W27
T 28	1 57 19	28°21'32	24°37	18°20	13°15	21°38	6°21	22° 6	17°55	11°11	29°47	10°D34	9°59	17°15	n.a.	T 28
F 29	2 1 16	29°22'33	8♌39	18°39	14°31	22°24	6°30	22°10	17°53	11°13	29°47	10°R34	9°56	17°21	n.a.	F 29
S 30	2 5 12	0♏23'36	22°35	18°49	15°46	23°10	6°40	22°15	17°51	11°16	29°47	10°33	9°53	17°28	n.a.	S 30
S 31	2 9 9	1♏24'40	6♍24	18°R50	17♎ 2	23♏56	6♑49	22♌19	17♓50	11♎18	29♑48	10♒31	9♒50	17♑35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	0s25	22n13	1n21	7s48	1s22	9n35	1n31	12s30	0s28	24s31	0s46	16n44	1n43	5s11	0s47	2s18	1n57	33s 1	12s52	17s 9	17s36	25s21		n.a.	F 1
S 2	0 50	17 30	0 5	8 28	1 28	9 6	1 32	12 47	0 29	24 30	0 46	16 42	1 43	5 12	0 47	2 19	1 57	33 0	12 52	17 9	17 37	25 19		n.a.	S 2
S 3	1 14	11 50	1s11	9 8	1 34	8 38	1 32	13 3	0 29	24 30	0 46	16 40	1 43	5 13	0 47	2 20	1 57	33 0	12 52	17 9	17 38	25 18		n.a.	S 3
M 4	1 38	5 36	2 22	9 47	1 40	8 9	1 32	13 19	0 30	24 30	0 46	16 38	1 43	5 14	0 47	2 21	1 57	33 0	12 52	17 10	17 39	25 16		n.a.	M 4
T 5	2 3	0s51	3 24	10 25	1 45	7 40	1 33	13 35	0 31	24 30	0 46	16 37	1 43	5 15	0 47	2 22	1 57	33 0	12 51	17 11	17 40	25 15		n.a.	T 5
W 6	2 27	7 9	4 12	11 2	1 51	7 10	1 33	13 51	0 31	24 30	0 46	16 35	1 44	5 16	0 46	2 22	1 57	33 0	12 51	17 14	17 40	25 13		n.a.	W 6
T 7	2 51	13 0	4 46	11 39	1 56	6 41	1 33	14 7	0 32	24 29	0 46	16 33	1 44	5 16	0 46	2 23	1 57	33 0	12 51	17 16	17 41	25 11		n.a.	T 7
F 8	3 15	18 6	5 3	12 15	2 1	6 11	1 33	14 22	0 33	24 29	0 46	16 32	1 44	5 17	0 46	2 24	1 57	32 59	12 51	17 19	17 42	25 10		n.a.	F 8
S 9	3 40	22 15	5 4	12 51	2 6	5 41	1 33	14 38	0 33	24 29	0 46	16 30	1 44	5 18	0 46	2 25	1 57	32 59	12 50	17 22	17 43	25 8		n.a.	S 9
S 10	4 4	25 15	4 50	13 25	2 10	5 11	1 33	14 53	0 34	24 29	0 46	16 28	1 44	5 19	0 46	2 26	1 57	32 59	12 50	17 25	17 44	25 7		n.a.	S 10
M11	4 28	26 59	4 23	13 59	2 14	4 40	1 32	15 9	0 34	24 29	0 46	16 27	1 44	5 20	0 46	2 27	1 57	32 59	12 50	17 26	17 45	25 5		n.a.	M11
T 12	4 52	27 25	3 44	14 31	2 18	4 10	1 32	15 24	0 35	24 28	0 46	16 25	1 45	5 21	0 46	2 28	1 57	32 59	12 50	17 27	17 46	25 4		n.a.	T 12
W13	5 16	26 33	2 57	15 3	2 22	3 39	1 32	15 39	0 36	24 28	0 46	16 23	1 45	5 22	0 46	2 29	1 57	32 59	12 49	17 28	17 47	25 2		n.a.	W13
T 14	5 40	24 30	2 2	15 33	2 25	3 9	1 31	15 54	0 36	24 28	0 46	16 22	1 45	5 23	0 46	2 30	1 57	32 58	12 49	17 28	17 47	25 0		n.a.	T 14
F 15	6 3	21 22	1 2	16 2	2 28	2 38	1 31	16 9	0 37	24 28	0 46	16 20	1 45	5 23	0 46	2 30	1 57	32 58	12 49	17 28	17 48	24 59		n.a.	F 15
S 16	6 27	17 20	0n 2	16 30	2 30	2 7	1 30	16 24	0 37	24 27	0 46	16 19	1 45	5 24	0 46	2 31	1 57	32 58	12 48	17 28	17 49	24 57		n.a.	S 16
S 17	6 51	12 33	1 6	16 56	2 32	1 36	1 29	16 38	0 38	24 27	0 46	16 17	1 46	5 25	0 46	2 32	1 57	32 58	12 48	17 28	17 50	24 56		n.a.	S 17
M18	7 14	7 10	2 8	17 21	2 33	1 5	1 29	16 53	0 38	24 27	0 46	16 16	1 46	5 26	0 46	2 33	1 57	32 57	12 48	17 29	17 51	24 54		n.a.	M18
T 19	7 38	1 23	3 6	17 44	2 34	0 34	1 28	17 7	0 39	24 26	0 46	16 14	1 46	5 27	0 46	2 34	1 57	32 57	12 48	17 30	17 52	24 52		n.a.	T 19
W20	8 1	4n36	3 55	18 5	2 34	0 3	1 27	17 21	0 40	24 26	0 46	16 13	1 46	5 27	0 46	2 35	1 57	32 57	12 47	17 33	17 53	24 51		n.a.	W20
T 21	8 24	10 32	4 33	18 24	2 34	0s29	1 26	17 35	0 40	24 26	0 45	16 11	1 47	5 28	0 46	2 36	1 57	32 57	12 47	17 36	17 54	24 49		n.a.	T 21
F 22	8 47	16 6	4 55	18 42	2 32	1 0	1 25	17 49	0 41	24 25	0 45	16 10	1 47	5 29	0 46	2 37	1 57	32 56	12 47	17 39	17 54	24 47		n.a.	F 22
S 23	9 10	20 55	5 1	18 57	2 30	1 31	1 24	18 2	0 41	24 25	0 45	16 9	1 47	5 29	0 46	2 37	1 57	32 56	12 47	17 42	17 55	24 46		n.a.	S 23
S 24	9 33	24 37	4 49	19 9	2 27	2 2	1 23	18 16	0 42	24 24	0 45	16 7	1 47	5 30	0 46	2 38	1 57	32 56	12 46	17 45	17 56	24 44		n.a.	S 24
M25	9 56	26 49	4 18	19 19	2 23	2 33	1 22	18 29	0 42	24 24	0 45	16 6	1 47	5 31	0 46	2 39	1 57	32 55	12 46	17 48	17 57	24 42		n.a.	M25
T 26	10 18	27 15	3 32	19 26	2 17	3 4	1 21	18 42	0 43	24 24	0 45	16 5	1 48	5 32	0 46	2 40	1 57	32 55	12 46	17 49	17 58	24 41		n.a.	T 26
W27	10 40	25 53	2 32	19 30	2 11	3 35	1 19	18 55	0 43	24 23	0 45	16 4	1 48	5 32	0 46	2 41	1 57	32 55	12 45	17 50	17 59	24 39		n.a.	W27
T 28	11 2	22 52	1 23	19 30	2 3	4 6	1 18	19 8	0 44	24 23	0 45	16 2	1 48	5 33	0 46	2 42	1 57	32 55	12 45	17 50	18 0	24 37		n.a.	T 28
F 29	11 24	18 31	0 10	19 26	1 54	4 37	1 17	19 21	0 44	24 22	0 45	16 1	1 48	5 34	0 46	2 43	1 57	32 54	12 45	17 50	18 1	24 36		n.a.	F 29
S 30	11 46	13 11	1s 3	19 19	1 43	5 8	1 15	19 33	0 45	24 22	0 45	16 0	1 49	5 34	0 46	2 43	1 57	32 54	12 45	17 50	18 1	24 34		n.a.	S 30
S 31	12s 8	7n15	2s12	19s 8	1s31	5s39	1n14	19s45	0s45	24s21	0s45	15n59	1n49	5s35	0s46	2s44	1n57	32s54	12s44	17s51	18s 2	24s32		n.a.	S 31

Julian Day Number = 1475883.5, Delta T = 05h26m55s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'28, Lahiri = -13°14'28 Julian Calendar 1 Oct. 673 BCE == Greg. Calendar 24 Sept. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

NOVEMBER 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 13 6	2♏25'46	20♍ 6	18°R40	18♎17	24♏42	6♑59	22♌23	17°R48	11♎20	29♑48	10°R26	9♒46	17♑41	n.a.	M 1
T 2	2 17 2	3°26'52	3♎40	18♏19	19°33	25°29	7° 9	22°27	17♓47	11°22	29°48	10♒18	9°43	17°48	n.a.	T 2
W 3	2 20 59	4°28'00	17° 4	17°46	20°48	26°15	7°19	22°30	17°45	11°24	29°48	10° 8	9°40	17°55	n.a.	W 3
T 4	2 24 55	5°29'08	0♏16	17° 3	22° 4	27° 1	7°29	22°34	17°44	11°26	29°49	9°55	9°37	18° 1	n.a.	T 4
F 5	2 28 52	6°30'18	13°14	16° 8	23°20	27°48	7°39	22°38	17°42	11°28	29°49	9°40	9°34	18° 8	n.a.	F 5
S 6	2 32 48	7°31'28	25°57	15° 4	24°35	28°34	7°49	22°41	17°41	11°30	29°50	9°27	9°31	18°15	n.a.	S 6
S 7	2 36 45	8°32'39	8♐24	13°52	25°51	29°21	7°59	22°45	17°40	11°33	29°50	9°14	9°27	18°21	n.a.	S 7
M 8	2 40 42	9°33'51	20°37	12°33	27° 6	0♐ 7	8°10	22°48	17°38	11°35	29°51	9° 4	9°24	18°28	n.a.	M 8
T 9	2 44 38	10°35'03	2♑38	11°11	28°22	0°54	8°21	22°51	17°37	11°37	29°51	8°57	9°21	18°35	n.a.	T 9
W10	2 48 35	11°36'15	14°30	9°48	29°37	1°40	8°31	22°55	17°36	11°39	29°52	8°53	9°18	18°41	n.a.	W10
T 11	2 52 31	12°37'28	26°17	8°28	0♏53	2°27	8°42	22°58	17°35	11°41	29°52	8°51	9°15	18°48	n.a.	T 11
F 12	2 56 28	13°38'42	8♒ 5	7°11	2° 9	3°13	8°53	23° 1	17°34	11°43	29°53	8°50	9°12	18°55	n.a.	F 12
S 13	3 0 24	14°39'55	19°59	6° 2	3°24	4° 0	9° 4	23° 4	17°33	11°45	29°53	8°50	9° 8	19° 1	n.a.	S 13
S 14	3 4 21	15°41'09	2♓ 5	5° 1	4°40	4°47	9°15	23° 6	17°32	11°47	29°54	8°50	9° 5	19° 8	n.a.	S 14
M15	3 8 17	16°42'23	14°28	4°11	5°55	5°33	9°27	23° 9	17°31	11°49	29°54	8°47	9° 2	19°15	n.a.	M15
T 16	3 12 14	17°43'37	27°13	3°31	7°11	6°20	9°38	23°12	17°30	11°50	29°55	8°42	8°59	19°21	n.a.	T 16
W17	3 16 11	18°44'51	10♈23	3° 2	8°26	7° 7	9°49	23°14	17°29	11°52	29°56	8°33	8°56	19°28	n.a.	W17
T 18	3 20 7	19°46'05	23°59	2°44	9°42	7°54	10° 1	23°16	17°28	11°54	29°56	8°23	8°52	19°35	n.a.	T 18
F 19	3 24 4	20°47'20	8♉ 0	2°D36	10°58	8°41	10°13	23°19	17°28	11°56	29°57	8°11	8°49	19°41	n.a.	F 19
S 20	3 28 0	21°48'34	22°21	2°38	12°13	9°27	10°24	23°21	17°27	11°58	29°58	7°59	8°46	19°48	n.a.	S 20
S 21	3 31 57	22°49'50	6♊57	2°49	13°29	10°14	10°36	23°23	17°26	12° 0	29°59	7°48	8°43	19°55	n.a.	S 21
M22	3 35 53	23°51'05	21°40	3° 8	14°44	11° 1	10°48	23°25	17°26	12° 2	29°59	7°39	8°40	20° 1	n.a.	M22
T 23	3 39 50	24°52'21	6♋22	3°36	16° 0	11°48	11° 0	23°27	17°25	12° 3	0♒ 0	7°33	8°37	20° 8	n.a.	T 23
W24	3 43 46	25°53'37	20°56	4° 9	17°15	12°35	11°12	23°29	17°25	12° 5	0° 1	7°29	8°33	20°15	n.a.	W24
T 25	3 47 43	26°54'53	5♌19	4°49	18°31	13°22	11°24	23°30	17°24	12° 7	0° 2	7°D28	8°30	20°21	n.a.	T 25
F 26	3 51 40	27°56'10	19°27	5°35	19°46	14° 9	11°37	23°32	17°24	12° 9	0° 3	7°29	8°27	20°28	n.a.	F 26
S 27	3 55 36	28°57'26	3♍20	6°25	21° 2	14°56	11°49	23°33	17°23	12°10	0° 4	7°R29	8°24	20°34	n.a.	S 27
S 28	3 59 33	29°58'43	16°59	7°20	22°17	15°43	12° 1	23°35	17°23	12°12	0° 5	7°27	8°21	20°41	n.a.	S 28
M29	4 3 29	1♐ 0'01	0♎24	8°18	23°33	16°31	12°14	23°36	17°23	12°14	0° 6	7°24	8°18	20°48	n.a.	M29
T 30	4 7 26	2♐ 1'18	13♎37	9♏20	24♏48	17♐18	12♑26	23♌37	17♓23	12♎15	0♒ 7	7♒17	8♒14	20♑54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s29	1n 2	3s13	18s52	1s17	6s 9	1n12	19s57	0s46	24s21	0s45	15n58	1n49	5s35	0s46	2s45	1n57	32s53	12s44	17s52	18s 3	24s31		n.a.
T 2	12 50	5s10	4 2	18 31	1 2	6 40	1 11	20 9	0 46	24 20	0 45	15 57	1 49	5 36	0 46	2 46	1 57	32 53	12 44	17 54	18 4	24 29		n.a.
W 3	13 11	11 2	4 36	18 6	0 45	7 10	1 9	20 21	0 47	24 20	0 45	15 56	1 49	5 36	0 46	2 47	1 57	32 53	12 43	17 57	18 5	24 27		n.a.
T 4	13 32	16 19	4 56	17 36	0 27	7 40	1 7	20 32	0 47	24 19	0 45	15 55	1 50	5 37	0 46	2 48	1 57	32 52	12 43	18 1	18 6	24 26		n.a.
F 5	13 53	20 46	4 59	17 2	0 8	8 10	1 6	20 43	0 48	24 18	0 45	15 54	1 50	5 38	0 46	2 48	1 57	32 52	12 43	18 5	18 7	24 24		n.a.
S 6	14 13	24 10	4 48	16 24	0n12	8 40	1 4	20 55	0 48	24 18	0 45	15 53	1 50	5 38	0 46	2 49	1 57	32 52	12 43	18 9	18 7	24 22		n.a.
S 7	14 33	26 20	4 23	15 42	0 32	9 10	1 2	21 5	0 49	24 17	0 45	15 52	1 50	5 38	0 46	2 50	1 57	32 51	12 42	18 12	18 8	24 20		n.a.
M 8	14 53	27 11	3 46	14 59	0 53	9 39	1 0	21 16	0 49	24 16	0 45	15 51	1 51	5 39	0 46	2 51	1 57	32 51	12 42	18 15	18 9	24 19		n.a.
T 9	15 12	26 44	2 59	14 15	1 13	10 8	0 58	21 26	0 50	24 16	0 45	15 50	1 51	5 39	0 46	2 51	1 57	32 50	12 42	18 16	18 10	24 17		n.a.
W10	15 32	25 3	2 5	13 31	1 32	10 37	0 56	21 36	0 50	24 15	0 45	15 49	1 51	5 40	0 46	2 52	1 57	32 50	12 42	18 18	18 11	24 15		n.a.
T 11	15 51	22 16	1 6	12 48	1 49	11 6	0 54	21 46	0 51	24 14	0 45	15 48	1 51	5 40	0 46	2 53	1 57	32 50	12 41	18 18	18 12	24 13		n.a.
F 12	16 9	18 34	0 4	12 8	2 5	11 34	0 52	21 56	0 51	24 14	0 45	15 48	1 52	5 41	0 45	2 54	1 57	32 49	12 41	18 18	18 13	24 12		n.a.
S 13	16 28	14 6	0n59	11 33	2 18	12 2	0 50	22 5	0 52	24 13	0 45	15 47	1 52	5 41	0 45	2 54	1 58	32 49	12 41	18 18	18 13	24 10		n.a.
S 14	16 46	9 1	2 0	11 2	2 30	12 30	0 48	22 15	0 52	24 12	0 45	15 46	1 52	5 41	0 45	2 55	1 58	32 48	12 41	18 18	18 14	24 8		n.a.
M15	17 4	3 29	2 57	10 36	2 39	12 57	0 46	22 24	0 52	24 11	0 45	15 46	1 52	5 42	0 45	2 56	1 58	32 48	12 40	18 19	18 15	24 6		n.a.
T 16	17 21	2n20	3 46	10 16	2 46	13 25	0 44	22 32	0 53	24 10	0 45	15 45	1 53	5 42	0 45	2 57	1 58	32 48	12 40	18 21	18 16	24 4		n.a.
W17	17 39	8 14	4 26	10 2	2 51	13 51	0 42	22 41	0 53	24 10	0 45	15 44	1 53	5 42	0 45	2 57	1 58	32 47	12 40	18 23	18 17	24 3		n.a.
T 18	17 56	13 56	4 52	9 52	2 54	14 18	0 40	22 49	0 54	24 9	0 45	15 44	1 53	5 43	0 45	2 58	1 58	32 47	12 39	18 25	18 18	24 1		n.a.
F 19	18 12	19 6	5 1	9 49	2 55	14 44	0 37	22 57	0 54	24 8	0 45	15 43	1 53	5 43	0 45	2 59	1 58	32 46	12 39	18 29	18 18	23 59		n.a.
S 20	18 28	23 18	4 52	9 50	2 55	15 10	0 35	23 5	0 54	24 7	0 45	15 43	1 54	5 43	0 45	2 59	1 58	32 46	12 39	18 32	18 19	23 57		n.a.
S 21	18 44	26 6	4 23	9 55	2 53	15 35	0 33	23 12	0 55	24 6	0 45	15 42	1 54	5 43	0 45	3 0	1 58	32 46	12 39	18 35	18 20	23 55		n.a.
M22	19 0	27 8	3 37	10 4	2 50	16 0	0 31	23 19	0 55	24 5	0 45	15 42	1 54	5 44	0 45	3 1	1 58	32 45	12 38	18 37	18 21	23 53		n.a.
T 23	19 15	26 14	2 37	10 17	2 46	16 24	0 28	23 26	0 56	24 4	0 45	15 42	1 55	5 44	0 45	3 2	1 58	32 45	12 38	18 39	18 22	23 52		n.a.
W24	19 30	23 33	1 27	10 33	2 42	16 48	0 26	23 33	0 56	24 3	0 45	15 41	1 55	5 44	0 45	3 2	1 58	32 44	12 38	18 39	18 23	23 50		n.a.
T 25	19 45	19 24	0 11	10 51	2 37	17 12	0 24	23 39	0 56	24 2	0 45	15 41	1 55	5 44	0 45	3 3	1 58	32 44	12 38	18 40	18 24	23 48		n.a.
F 26	19 59	14 12	1s 3	11 12	2 31	17 35	0 21	23 46	0 57	24 1	0 45	15 41	1 55	5 44	0 45	3 3	1 58	32 43	12 38	18 40	18 24	23 46		n.a.
S 27	20 13	8 22	2 13	11 35	2 24	17 58	0 19	23 51	0 57	24 0	0 45	15 40	1 56	5 44	0 45	3 4	1 58	32 43	12 37	18 40	18 25	23 44		n.a.
S 28	20 26	2 15	3 14	11 59	2 17	18 20	0 17	23 57	0 57	23 59	0 45	15 40	1 56	5 44	0 45	3 5	1 58	32 43	12 37	18 40	18 26	23 42		n.a.
M29	20 39	3s52	4 3	12 25	2 10	18 42	0 14	24 2	0 58	23 57	0 45	15 40	1 56	5 44	0 45	3 5	1 58	32 42	12 37	18 41	18 27	23 41		n.a.
T 30	20s52	9s42	4s38	12s52	2n 3	19s 3	0n12	24s 7	0s58	23s56	0s45	15n40	1n56	5s44	0s45	3s 6	1n58	32s42	12s37	18s43	18s28	23s39		n.a.

Julian Day Number = 1475914.5, Delta T = 05h26m54s
Ecliptic obliquity = 23°46'41, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'24, Lahiri = -13°14'24 Julian Calendar 1 Nov. 673 BCE == Greg. Calendar 25 Oct. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 673 BCE
geocentric

DECEMBER 673 BCE (-672) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 11 22	3♐ 2'35	26♎38	10♏24	26♏ 4	18♐ 5	12♑39	23♌38	17°R23	12♎17	0♒ 8	7°R 8	8♒11	21♑ 1	n.a.	W 1
T 2	4 15 19	4° 3'53	9♏27	11°32	27°19	18°52	12°52	23°39	17♓23	12°18	0° 9	6♒57	8° 8	21° 8	n.a.	T 2
F 3	4 19 16	5° 5'10	22° 5	12°42	28°35	19°39	13° 4	23°40	17°D22	12°20	0°10	6°45	8° 5	21°14	n.a.	F 3
S 4	4 23 12	6° 6'27	4♐31	13°54	29°50	20°26	13°17	23°41	17°23	12°21	0°11	6°33	8° 2	21°21	n.a.	S 4
S 5	4 27 9	7° 7'44	16°47	15° 8	1♐ 6	21°14	13°30	23°41	17°23	12°23	0°12	6°22	7°58	21°28	n.a.	S 5
M 6	4 31 5	8° 9'00	28°51	16°23	2°21	22° 1	13°43	23°42	17°23	12°24	0°13	6°14	7°55	21°34	n.a.	M 6
T 7	4 35 2	9°10'16	10♑47	17°40	3°37	22°48	13°56	23°42	17°23	12°26	0°14	6° 8	7°52	21°41	n.a.	T 7
W 8	4 38 58	10°11'31	22°37	18°59	4°52	23°36	14° 9	23°42	17°23	12°27	0°15	6° 4	7°49	21°48	n.a.	W 8
T 9	4 42 55	11°12'45	4♒23	20°19	6° 8	24°23	14°23	23°42	17°23	12°29	0°16	6°D 3	7°46	21°54	n.a.	T 9
F 10	4 46 51	12°13'59	16° 9	21°39	7°23	25°10	14°36	23°R42	17°24	12°30	0°18	6° 4	7°43	22° 1	n.a.	F 10
S 11	4 50 48	13°15'12	28° 2	23° 1	8°39	25°57	14°49	23°42	17°24	12°31	0°19	6° 5	7°39	22° 8	n.a.	S 11
S 12	4 54 45	14°16'24	10♓ 5	24°24	9°54	26°45	15° 2	23°42	17°25	12°33	0°20	6°R 6	7°36	22°14	n.a.	S 12
M13	4 58 41	15°17'35	22°25	25°48	11° 9	27°32	15°16	23°42	17°25	12°34	0°21	6° 5	7°33	22°21	n.a.	M13
T 14	5 2 38	16°18'44	5♈ 5	27°13	12°25	28°20	15°29	23°42	17°26	12°35	0°22	6° 3	7°30	22°28	n.a.	T 14
W15	5 6 34	17°19'53	18°12	28°39	13°40	29° 7	15°43	23°41	17°26	12°36	0°24	5°59	7°27	22°34	n.a.	W15
T 16	5 10 31	18°21'01	1♉46	0♐ 5	14°55	29°54	15°56	23°41	17°27	12°38	0°25	5°53	7°24	22°41	n.a.	T 16
F 17	5 14 27	19°22'08	15°50	1°32	16°11	0♑42	16°10	23°40	17°28	12°39	0°26	5°46	7°20	22°48	n.a.	F 17
S 18	5 18 24	20°23'14	0♊19	3° 0	17°26	1°29	16°24	23°39	17°28	12°40	0°28	5°38	7°17	22°54	n.a.	S 18
S 19	5 22 21	21°24'19	15°10	4°29	18°41	2°16	16°37	23°38	17°29	12°41	0°29	5°31	7°14	23° 1	n.a.	S 19
M20	5 26 17	22°25'24	0♋12	5°58	19°57	3° 4	16°51	23°37	17°30	12°42	0°30	5°26	7°11	23° 7	n.a.	M20
T 21	5 30 14	23°26'27	15°18	7°28	21°12	3°51	17° 5	23°36	17°31	12°43	0°32	5°22	7° 8	23°14	n.a.	T 21
W22	5 34 10	24°27'29	0♌17	8°59	22°27	4°39	17°19	23°35	17°32	12°44	0°33	5°D21	7° 4	23°21	n.a.	W22
T 23	5 38 7	25°28'30	15° 2	10°30	23°43	5°26	17°32	23°33	17°33	12°45	0°34	5°21	7° 1	23°27	n.a.	T 23
F 24	5 42 3	26°29'31	29°28	12° 2	24°58	6°13	17°46	23°32	17°34	12°46	0°36	5°22	6°58	23°34	n.a.	F 24
S 25	5 46 0	27°30'31	13♍33	13°35	26°13	7° 1	18° 0	23°30	17°35	12°47	0°37	5°23	6°55	23°41	n.a.	S 25
S 26	5 49 56	28°31'29	27°16	15° 8	27°28	7°48	18°14	23°29	17°36	12°48	0°39	5°R24	6°52	23°47	n.a.	S 26
M27	5 53 53	29°32'27	10♎38	16°42	28°44	8°36	18°28	23°27	17°37	12°49	0°40	5°24	6°49	23°54	n.a.	M27
T 28	5 57 50	0♑33'24	23°41	18°17	29°59	9°23	18°42	23°25	17°39	12°49	0°42	5°21	6°45	24° 1	n.a.	T 28
W29	6 1 46	1°34'20	6♏28	19°52	1♑14	10°10	18°56	23°23	17°40	12°50	0°43	5°17	6°42	24° 7	n.a.	W29
T 30	6 5 43	2°35'15	19° 1	21°28	2°29	10°58	19°10	23°21	17°41	12°51	0°44	5°12	6°39	24°14	n.a.	T 30
F 31	6 9 39	3♑36'09	1♐22	23♐ 5	3♑45	11♑45	19♑25	23♌19	17♓43	12♎52	0♒46	5♒ 6	6♒36	24♑21	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	21s 4	15s 2	4s58	13s20	1n55	19s23	0n10	24s12	0s58	23s55	0s45	15n40	1n57	5s44	0s45	3s 6	1n58	32s41	12s36	18s45	18s29	23s37			n.a.
T 2	21 16	19 37	5 3	13 48	1 47	19 43	0 7	24 17	0 59	23 54	0 45	15 40	1 57	5 44	0 45	3 7	1 58	32 41	12 36	18 48	18 29	23 35			n.a.
F 3	21 27	23 15	4 53	14 17	1 39	20 3	0 5	24 21	0 59	23 53	0 45	15 40	1 57	5 44	0 45	3 8	1 58	32 40	12 36	18 51	18 30	23 33			n.a.
S 4	21 38	25 44	4 28	14 47	1 31	20 22	0 2	24 25	0 59	23 51	0 45	15 40	1 57	5 44	0 45	3 8	1 58	32 40	12 36	18 54	18 31	23 31			n.a.
S 5	21 48	26 57	3 52	15 17	1 23	20 40	0s 0	24 28	1 0	23 50	0 45	15 40	1 58	5 44	0 45	3 9	1 59	32 39	12 36	18 57	18 32	23 29			n.a.
M 6	21 59	26 52	3 6	15 46	1 15	20 58	0 2	24 32	1 0	23 49	0 45	15 40	1 58	5 44	0 45	3 9	1 59	32 39	12 35	18 59	18 33	23 27			n.a.
T 7	22 8	25 31	2 11	16 16	1 7	21 15	0 5	24 35	1 0	23 47	0 45	15 40	1 58	5 44	0 44	3 10	1 59	32 38	12 35	19 0	18 34	23 25			n.a.
W 8	22 18	23 2	1 12	16 46	0 59	21 32	0 7	24 38	1 0	23 46	0 45	15 40	1 59	5 44	0 44	3 10	1 59	32 38	12 35	19 1	18 34	23 23			n.a.
T 9	22 26	19 35	0 9	17 15	0 51	21 48	0 10	24 40	1 1	23 44	0 45	15 40	1 59	5 44	0 44	3 11	1 59	32 38	12 35	19 1	18 35	23 21			n.a.
F 10	22 35	15 21	0n54	17 45	0 43	22 3	0 12	24 42	1 1	23 43	0 45	15 41	1 59	5 44	0 44	3 11	1 59	32 37	12 35	19 1	18 36	23 20			n.a.
S 11	22 43	10 31	1 56	18 14	0 35	22 17	0 14	24 44	1 1	23 42	0 45	15 41	1 59	5 43	0 44	3 12	1 59	32 37	12 34	19 1	18 37	23 18			n.a.
S 12	22 50	5 14	2 53	18 42	0 27	22 31	0 17	24 46	1 1	23 40	0 45	15 41	2 0	5 43	0 44	3 12	1 59	32 36	12 34	19 1	18 38	23 16			n.a.
M13	22 57	0n22	3 44	19 10	0 19	22 45	0 19	24 47	1 2	23 39	0 45	15 42	2 0	5 43	0 44	3 13	1 59	32 36	12 34	19 1	18 39	23 14			n.a.
T 14	23 4	6 5	4 25	19 38	0 12	22 57	0 21	24 48	1 2	23 37	0 46	15 42	2 0	5 43	0 44	3 13	1 59	32 35	12 34	19 1	18 39	23 12			n.a.
W15	23 10	11 45	4 54	20 5	0 4	23 9	0 24	24 49	1 2	23 36	0 46	15 42	2 0	5 42	0 44	3 13	1 59	32 35	12 34	19 2	18 40	23 10			n.a.
T 16	23 16	17 3	5 8	20 31	0s 4	23 20	0 26	24 49	1 2	23 34	0 46	15 43	2 1	5 42	0 44	3 14	1 59	32 34	12 33	19 4	18 41	23 8			n.a.
F 17	23 21	21 38	5 4	20 56	0 11	23 31	0 28	24 49	1 3	23 32	0 46	15 43	2 1	5 42	0 44	3 14	1 59	32 34	12 33	19 6	18 42	23 6			n.a.
S 18	23 25	25 4	4 41	21 21	0 18	23 41	0 30	24 49	1 3	23 31	0 46	15 44	2 1	5 41	0 44	3 15	1 59	32 33	12 33	19 8	18 43	23 4			n.a.
S 19	23 30	26 53	3 58	21 45	0 25	23 50	0 32	24 48	1 3	23 29	0 46	15 44	2 2	5 41	0 44	3 15	1 59	32 33	12 33	19 9	18 43	23 2			n.a.
M20	23 33	26 46	2 59	22 8	0 32	23 58	0 35	24 48	1 3	23 27	0 46	15 45	2 2	5 41	0 44	3 15	1 59	32 32	12 33	19 11	18 44	23 0			n.a.
T 21	23 37	24 39	1 47	22 30	0 39	24 6	0 37	24 47	1 3	23 26	0 46	15 46	2 2	5 40	0 44	3 16	1 59	32 32	12 33	19 12	18 45	22 58			n.a.
W22	23 40	20 49	0 28	22 51	0 45	24 12	0 39	24 45	1 4	23 24	0 46	15 46	2 2	5 40	0 44	3 16	2 0	32 31	12 33	19 12	18 46	22 56			n.a.
T 23	23 42	15 43	0s53	23 11	0 51	24 18	0 41	24 44	1 4	23 22	0 46	15 47	2 3	5 39	0 44	3 16	2 0	32 31	12 32	19 12	18 47	22 54			n.a.
F 24	23 44	9 50	2 8	23 30	0 57	24 24	0 43	24 42	1 4	23 20	0 46	15 48	2 3	5 39	0 44	3 17	2 0	32 31	12 32	19 12	18 48	22 52			n.a.
S 25	23 45	3 35	3 13	23 48	1 3	24 28	0 45	24 39	1 4	23 18	0 46	15 48	2 3	5 39	0 44	3 17	2 0	32 30	12 32	19 11	18 48	22 50			n.a.
S 26	23 46	2s39	4 6	24 5	1 9	24 32	0 47	24 37	1 4	23 17	0 46	15 49	2 3	5 38	0 44	3 17	2 0	32 30	12 32	19 11	18 49	22 48			n.a.
M27	23 47	8 36	4 43	24 20	1 14	24 35	0 49	24 34	1 4	23 15	0 46	15 50	2 4	5 38	0 44	3 18	2 0	32 29	12 32	19 11	18 50	22 46			n.a.
T 28	23 47	14 2	5 5	24 34	1 20	24 38	0 51	24 31	1 5	23 13	0 46	15 51	2 4	5 37	0 44	3 18	2 0	32 29	12 32	19 12	18 51	22 44			n.a.
W29	23 46	18 45	5 12	24 47	1 25	24 39	0 53	24 27	1 5	23 11	0 46	15 52	2 4	5 36	0 44	3 18	2 0	32 28	12 32	19 13	18 52	22 42			n.a.
T 30	23 45	22 34	5 3	24 59	1 29	24 40	0 55	24 24	1 5	23 9	0 46	15 53	2 4	5 36	0 44	3 18	2 0	32 28	12 32	19 14	18 52	22 40			n.a.
F 31	23s44	25s17	4s40	25s 9	1s34	24s40	0s56	24s20	1s 5	23s 7	0s46	15n54	2n 5	5s35	0s43	3s19	2n 0	32s27	12s31	19s16	18s53	22s38			n.a.

Julian Day Number = 1475944.5, Delta T = 05h26m52s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'20, Lahiri = -13°14'20 Julian Calendar 1 Dec. 673 BCE == Greg. Calendar 24 Nov. 673 BCE

The year -672 astronomical counting style corresponds to year 673 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

JANUARY 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 13 36	4♉37'02	13♐32	24♐42	5♉ 0	12♉33	19♉39	23°R17	17♓44	12♎52	0♒47	5°R 1	6♒33	24♉27	n.a.	S 1
S 2	6 17 32	5°37'54	25°35	26°21	6°15	13°20	19°53	23♌15	17°46	12°53	0°49	4♒55	6°30	24°34	n.a.	S 2
M 3	6 21 29	6°38'44	7♉30	28° 0	7°30	14° 7	20° 7	23°12	17°47	12°54	0°50	4°51	6°26	24°41	n.a.	M 3
T 4	6 25 25	7°39'33	19°21	29°39	8°45	14°55	20°21	23°10	17°49	12°54	0°52	4°49	6°23	24°47	n.a.	T 4
W 5	6 29 22	8°40'20	1♒ 8	1♉20	10° 0	15°42	20°36	23° 7	17°50	12°55	0°54	4°D48	6°20	24°54	n.a.	W 5
T 6	6 33 19	9°41'06	12°54	3° 1	11°16	16°30	20°50	23° 4	17°52	12°55	0°55	4°48	6°17	25° 1	n.a.	T 6
F 7	6 37 15	10°41'50	24°43	4°43	12°31	17°17	21° 4	23° 2	17°54	12°56	0°57	4°49	6°14	25° 7	n.a.	F 7
S 8	6 41 12	11°42'32	6♓38	6°26	13°46	18° 4	21°18	22°59	17°56	12°56	0°58	4°51	6°10	25°14	n.a.	S 8
S 9	6 45 8	12°43'12	18°42	8°10	15° 1	18°52	21°33	22°56	17°57	12°57	1° 0	4°53	6° 7	25°20	n.a.	S 9
M10	6 49 5	13°43'51	1♈ 0	9°55	16°16	19°39	21°47	22°53	17°59	12°57	1° 1	4°54	6° 4	25°27	n.a.	M10
T 11	6 53 1	14°44'27	13°37	11°41	17°31	20°26	22° 1	22°50	18° 1	12°57	1° 3	4°R54	6° 1	25°34	n.a.	T 11
W12	6 56 58	15°45'02	26°36	13°27	18°46	21°13	22°16	22°46	18° 3	12°58	1° 5	4°54	5°58	25°40	n.a.	W12
T 13	7 0 54	16°45'35	10♉ 2	15°14	20° 1	22° 1	22°30	22°43	18° 5	12°58	1° 6	4°53	5°55	25°47	n.a.	T 13
F 14	7 4 51	17°46'06	23°56	17° 2	21°16	22°48	22°45	22°40	18° 7	12°58	1° 8	4°51	5°51	25°54	n.a.	F 14
S 15	7 8 48	18°46'35	8♊17	18°51	22°31	23°35	22°59	22°36	18° 9	12°58	1° 9	4°49	5°48	26° 0	n.a.	S 15
S 16	7 12 44	19°47'02	23° 3	20°41	23°46	24°22	23°13	22°33	18°11	12°58	1°11	4°47	5°45	26° 7	n.a.	S 16
M17	7 16 41	20°47'27	8♋ 7	22°32	25° 1	25°10	23°28	22°29	18°14	12°59	1°13	4°45	5°42	26°14	n.a.	M17
T 18	7 20 37	21°47'50	23°21	24°23	26°16	25°57	23°42	22°26	18°16	12°59	1°14	4°44	5°39	26°20	n.a.	T 18
W19	7 24 34	22°48'11	8♌34	26°15	27°31	26°44	23°57	22°22	18°18	12°59	1°16	4°D44	5°36	26°27	n.a.	W19
T 20	7 28 30	23°48'31	23°37	28° 8	28°46	27°31	24°11	22°18	18°20	12°59	1°18	4°45	5°32	26°34	n.a.	T 20
F 21	7 32 27	24°48'48	8♍23	0♒ 1	0♒ 0	28°18	24°25	22°14	18°23	12°R59	1°19	4°45	5°29	26°40	n.a.	F 21
S 22	7 36 24	25°49'04	22°45	1°55	1°15	29° 5	24°40	22°11	18°25	12°59	1°21	4°46	5°26	26°47	n.a.	S 22
S 23	7 40 20	26°49'19	6♎41	3°49	2°30	29°52	24°54	22° 7	18°27	12°59	1°23	4°47	5°23	26°54	n.a.	S 23
M24	7 44 17	27°49'32	20°11	5°43	3°45	0♒40	25° 9	22° 3	18°30	12°59	1°24	4°47	5°20	27° 0	n.a.	M24
T 25	7 48 13	28°49'43	3♏17	7°37	5° 0	1°27	25°23	21°59	18°32	12°58	1°26	4°R47	5°16	27° 7	n.a.	T 25
W26	7 52 10	29°49'52	16° 0	9°31	6°15	2°14	25°37	21°54	18°35	12°58	1°27	4°47	5°13	27°13	n.a.	W26
T 27	7 56 6	0♒50'00	28°26	11°24	7°29	3° 1	25°52	21°50	18°37	12°58	1°29	4°47	5°10	27°20	n.a.	T 27
F 28	8 0 3	1°50'07	10♐37	13°17	8°44	3°48	26° 6	21°46	18°40	12°58	1°31	4°46	5° 7	27°27	n.a.	F 28
S 29	8 3 59	2°50'11	22°38	15° 8	9°59	4°35	26°21	21°42	18°42	12°58	1°32	4°46	5° 4	27°33	n.a.	S 29
S 30	8 7 56	3°50'14	4♉31	16°58	11°14	5°21	26°35	21°37	18°45	12°57	1°34	4°46	5° 1	27°40	n.a.	S 30
M31	8 11 53	4♒50'14	16♉20	18♒46	12♒28	6♒ 8	26♉49	21♌33	18♓48	12♎57	1♒36	4°D46	4♒57	27♉47	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	26s48	4s 5	25s18	1s38	24s39	0s58	24s15	1s 5	23s 5	0s46	15n55	2n 5	5s35	0s43	3s19	2n 0	32s27	12s31	19s17	18s54	22s36		n.a.
S 2	23 39	27 1	3 19	25 25	1 42	24 37	1 0	24 11	1 5	23 3	0 46	15 56	2 5	5 34	0 43	3 19	2 0	32 26	12 31	19 18	18 55	22 34		n.a.
M 3	23 36	25 58	2 24	25 31	1 45	24 35	1 2	24 6	1 5	23 1	0 46	15 57	2 5	5 33	0 43	3 19	2 0	32 26	12 31	19 19	18 56	22 32		n.a.
T 4	23 33	23 45	1 24	25 35	1 48	24 32	1 3	24 1	1 5	22 59	0 46	15 58	2 6	5 33	0 43	3 19	2 0	32 25	12 31	19 20	18 56	22 29		n.a.
W 5	23 29	20 31	0 20	25 37	1 51	24 28	1 5	23 55	1 5	22 56	0 47	15 59	2 6	5 32	0 43	3 19	2 0	32 25	12 31	19 20	18 57	22 27		n.a.
T 6	23 25	16 28	0n45	25 38	1 54	24 24	1 6	23 50	1 5	22 54	0 47	16 0	2 6	5 31	0 43	3 20	2 1	32 25	12 31	19 20	18 58	22 25		n.a.
F 7	23 20	11 47	1 48	25 37	1 56	24 18	1 8	23 44	1 6	22 52	0 47	16 1	2 6	5 31	0 43	3 20	2 1	32 24	12 31	19 20	18 59	22 23		n.a.
S 8	23 15	6 38	2 47	25 35	1 58	24 12	1 9	23 37	1 6	22 50	0 47	16 2	2 6	5 30	0 43	3 20	2 1	32 24	12 31	19 19	19 0	22 21		n.a.
S 9	23 10	1 11	3 39	25 30	1 59	24 5	1 11	23 31	1 6	22 48	0 47	16 3	2 7	5 29	0 43	3 20	2 1	32 23	12 31	19 19	19 0	22 19		n.a.
M10	23 3	4n25	4 23	25 24	2 0	23 58	1 12	23 24	1 6	22 45	0 47	16 5	2 7	5 28	0 43	3 20	2 1	32 23	12 31	19 19	19 1	22 17		n.a.
T 11	22 57	9 58	4 55	25 16	2 1	23 49	1 13	23 17	1 6	22 43	0 47	16 6	2 7	5 28	0 43	3 20	2 1	32 22	12 31	19 18	19 2	22 15		n.a.
W12	22 50	15 15	5 13	25 6	2 1	23 40	1 14	23 9	1 6	22 41	0 47	16 7	2 7	5 27	0 43	3 20	2 1	32 22	12 31	19 19	19 3	22 13		n.a.
T 13	22 43	20 0	5 15	24 53	2 1	23 30	1 16	23 2	1 6	22 39	0 47	16 8	2 8	5 26	0 43	3 20	2 1	32 22	12 30	19 19	19 4	22 11		n.a.
F 14	22 35	23 50	4 59	24 39	2 0	23 20	1 17	22 54	1 6	22 36	0 47	16 10	2 8	5 25	0 43	3 20	2 1	32 21	12 30	19 19	19 4	22 9		n.a.
S 15	22 26	26 21	4 24	24 23	1 59	23 9	1 18	22 46	1 6	22 34	0 47	16 11	2 8	5 24	0 43	3 20	2 1	32 21	12 30	19 20	19 5	22 6		n.a.
S 16	22 18	27 6	3 31	24 5	1 57	22 57	1 19	22 37	1 6	22 31	0 47	16 12	2 8	5 23	0 43	3 20	2 1	32 20	12 30	19 20	19 6	22 4		n.a.
M17	22 9	25 54	2 22	23 45	1 55	22 44	1 20	22 29	1 6	22 29	0 47	16 14	2 8	5 23	0 43	3 20	2 1	32 20	12 30	19 21	19 7	22 2		n.a.
T 18	21 59	22 45	1 3	23 22	1 52	22 31	1 21	22 20	1 6	22 27	0 47	16 15	2 9	5 22	0 43	3 20	2 1	32 19	12 30	19 21	19 8	22 0		n.a.
W19	21 49	18 2	0s21	22 58	1 48	22 17	1 21	22 11	1 6	22 24	0 48	16 17	2 9	5 21	0 43	3 20	2 1	32 19	12 30	19 21	19 8	21 58		n.a.
T 20	21 39	12 13	1 43	22 32	1 44	22 2	1 22	22 1	1 6	22 22	0 48	16 18	2 9	5 20	0 43	3 20	2 2	32 19	12 30	19 21	19 9	21 56		n.a.
F 21	21 28	5 49	2 56	22 3	1 39	21 47	1 23	21 52	1 6	22 19	0 48	16 19	2 9	5 19	0 43	3 20	2 2	32 18	12 30	19 21	19 10	21 54		n.a.
S 22	21 17	0s42	3 56	21 33	1 34	21 31	1 23	21 42	1 6	22 17	0 48	16 21	2 9	5 18	0 43	3 20	2 2	32 18	12 30	19 20	19 11	21 51		n.a.
S 23	21 5	6 58	4 41	21 0	1 28	21 15	1 24	21 32	1 6	22 14	0 48	16 22	2 9	5 17	0 43	3 20	2 2	32 17	12 30	19 20	19 11	21 49		n.a.
M24	20 53	12 44	5 8	20 26	1 22	20 57	1 25	21 22	1 6	22 12	0 48	16 24	2 10	5 16	0 43	3 20	2 2	32 17	12 30	19 20	19 12	21 47		n.a.
T 25	20 41	17 44	5 18	19 49	1 14	20 40	1 25	21 11	1 6	22 9	0 48	16 25	2 10	5 15	0 43	3 20	2 2	32 17	12 30	19 20	19 13	21 45		n.a.
W26	20 28	21 49	5 12	19 11	1 6	20 21	1 25	21 0	1 5	22 6	0 48	16 27	2 10	5 14	0 43	3 19	2 2	32 16	12 30	19 20	19 14	21 43		n.a.
T 27	20 15	24 49	4 51	18 32	0 58	20 2	1 26	20 49	1 5	22 4	0 48	16 28	2 10	5 13	0 43	3 19	2 2	32 16	12 30	19 20	19 15	21 41		n.a.
F 28	20 2	26 36	4 18	17 51	0 48	19 43	1 26	20 38	1 5	22 1	0 48	16 30	2 10	5 12	0 43	3 19	2 2	32 16	12 30	19 20	19 15	21 38		n.a.
S 29	19 48	27 7	3 34	17 8	0 38	19 23	1 26	20 27	1 5	21 58	0 48	16 32	2 10	5 11	0 42	3 19	2 2	32 15	12 31	19 21	19 16	21 36		n.a.
S 30	19 34	26 22	2 40	16 25	0 28	19 2	1 26	20 15	1 5	21 56	0 49	16 33	2 11	5 10	0 42	3 19	2 2	32 15	12 31	19 21	19 17	21 34		n.a.
M31	19s20	24s26	1s41	15s40	0s17	18s41	1s26	20s 3	1s 5	21s53	0s49	16n35	2n11	5s 9	0s42	3s19	2n 2	32s15	12s31	19s21	19s18	21s32		n.a.

Julian Day Number = 1475975.5, Delta T = 05h26m51s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'16, Lahiri = -13°14'15 Julian Calendar 1 Jan. 672 BCE == Greg. Calendar 25 Dec. 673 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

FEBRUARY 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 15 49	5♒50'13	28♉ 7	20♒31	13♒43	6♒55	27♉ 4	21°R29	18♓50	12°R57	1♒37	4♒46	4♒54	27♉53	n.a.	T 1
W 2	8 19 46	6°50'10	9♒54	22°14	14°58	7°42	27°18	21♌24	18°53	12♎56	1°39	4°R46	4°51	28° 0	n.a.	W 2
T 3	8 23 42	7°50'04	21°44	23°53	16°12	8°29	27°32	21°20	18°56	12°56	1°41	4°46	4°48	28° 7	n.a.	T 3
F 4	8 27 39	8°49'56	3♓39	25°28	17°27	9°16	27°47	21°15	18°59	12°55	1°42	4°45	4°45	28°13	n.a.	F 4
S 5	8 31 35	9°49'47	15°42	26°59	18°42	10° 2	28° 1	21°11	19° 1	12°55	1°44	4°45	4°42	28°20	n.a.	S 5
S 6	8 35 32	10°49'34	27°53	28°24	19°56	10°49	28°15	21° 6	19° 4	12°54	1°46	4°44	4°38	28°27	n.a.	S 6
M 7	8 39 28	11°49'20	10♈17	29°45	21°11	11°36	28°29	21° 2	19° 7	12°54	1°47	4°43	4°35	28°33	n.a.	M 7
T 8	8 43 25	12°49'03	22°57	0♓59	22°25	12°22	28°44	20°57	19°10	12°53	1°49	4°42	4°32	28°40	n.a.	T 8
W 9	8 47 21	13°48'44	5♉55	2° 7	23°40	13° 9	28°58	20°52	19°13	12°53	1°50	4°42	4°29	28°47	n.a.	W 9
T 10	8 51 18	14°48'22	19°14	3° 8	24°54	13°56	29°12	20°48	19°16	12°52	1°52	4°D42	4°26	28°53	n.a.	T 10
F 11	8 55 15	15°47'58	2♊56	4° 2	26° 9	14°42	29°26	20°43	19°19	12°51	1°54	4°42	4°22	29° 0	n.a.	F 11
S 12	8 59 11	16°47'32	17° 2	4°48	27°23	15°29	29°40	20°38	19°22	12°51	1°55	4°43	4°19	29° 6	n.a.	S 12
S 13	9 3 8	17°47'03	1♋31	5°27	28°38	16°15	29°54	20°34	19°25	12°50	1°57	4°44	4°16	29°13	n.a.	S 13
M14	9 7 4	18°46'32	16°20	5°58	29°52	17° 2	0♒ 8	20°29	19°28	12°49	1°58	4°45	4°13	29°20	n.a.	M14
T 15	9 11 1	19°45'59	1♌23	6°20	1♓ 7	17°48	0°22	20°24	19°31	12°48	2° 0	4°R45	4°10	29°26	n.a.	T 15
W16	9 14 57	20°45'23	16°32	6°35	2°21	18°34	0°36	20°20	19°34	12°47	2° 2	4°45	4° 7	29°33	n.a.	W16
T 17	9 18 54	21°44'45	1♍38	6°R42	3°35	19°21	0°50	20°15	19°37	12°47	2° 3	4°44	4° 3	29°40	n.a.	T 17
F 18	9 22 50	22°44'05	16°31	6°40	4°50	20° 7	1° 4	20°10	19°40	12°46	2° 5	4°42	4° 0	29°46	n.a.	F 18
S 19	9 26 47	23°43'22	1♎ 4	6°31	6° 4	20°53	1°18	20° 6	19°43	12°45	2° 6	4°40	3°57	29°53	n.a.	S 19
S 20	9 30 44	24°42'38	15°12	6°15	7°18	21°39	1°32	20° 1	19°47	12°44	2° 8	4°37	3°54	29°59	n.a.	S 20
M21	9 34 40	25°41'52	28°53	5°52	8°32	22°26	1°46	19°56	19°50	12°43	2° 9	4°35	3°51	0♒ 6	n.a.	M21
T 22	9 38 37	26°41'04	12♏ 5	5°23	9°47	23°12	1°59	19°52	19°53	12°42	2°11	4°33	3°48	0°13	n.a.	T 22
W23	9 42 33	27°40'14	24°53	4°48	11° 1	23°58	2°13	19°47	19°56	12°41	2°12	4°D32	3°44	0°20	n.a.	W23
T 24	9 46 30	28°39'22	7♐19	4° 9	12°15	24°44	2°27	19°43	19°59	12°40	2°14	4°32	3°41	0°26	n.a.	T 24
F 25	9 50 26	29°38'29	19°29	3°26	13°29	25°30	2°40	19°38	20° 3	12°39	2°15	4°34	3°38	0°33	n.a.	F 25
S 26	9 54 23	0♓37'33	1♉26	2°40	14°43	26°16	2°54	19°33	20° 6	12°38	2°17	4°35	3°35	0°40	n.a.	S 26
S 27	9 58 19	1°36'36	13°15	1°51	15°57	27° 2	3° 7	19°29	20° 9	12°37	2°18	4°37	3°32	0°46	n.a.	S 27
M28	10 2 16	2♓35'36	25♉ 1	1♓ 2	17♓11	27♒48	3♒21	19♌24	20♓13	12♎36	2♒20	4♒38	3♒28	0♒53	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s 5	21s26	0s37	14s56	0s 5	18s19	1s26	19s51	1s 5	21s50	0s49	16n36	2n11	5s 8	0s42	3s18	2n 2	32s14	12s31	19s21	19s19	21s30		n.a.
W 2	18 50	17 34	0n29	14 11	0n 8	17 57	1 26	19 39	1 5	21 48	0 49	16 38	2 11	5 6	0 42	3 18	2 2	32 14	12 31	19 21	19 19	21 27		n.a.
T 3	18 34	13 0	1 33	13 26	0 21	17 34	1 26	19 26	1 5	21 45	0 49	16 39	2 11	5 5	0 42	3 18	2 2	32 13	12 31	19 21	19 20	21 25		n.a.
F 4	18 18	7 55	2 34	12 41	0 34	17 11	1 26	19 14	1 5	21 42	0 49	16 41	2 11	5 4	0 42	3 18	2 3	32 13	12 31	19 21	19 21	21 23		n.a.
S 5	18 2	2 31	3 28	11 57	0 48	16 48	1 26	19 1	1 4	21 39	0 49	16 43	2 11	5 3	0 42	3 18	2 3	32 13	12 31	19 21	19 22	21 21		n.a.
S 6	17 46	3n 2	4 14	11 14	1 1	16 23	1 26	18 48	1 4	21 36	0 49	16 44	2 11	5 2	0 42	3 17	2 3	32 13	12 31	19 21	19 22	21 19		n.a.
M 7	17 29	8 33	4 49	10 33	1 16	15 59	1 25	18 34	1 4	21 34	0 49	16 46	2 12	5 1	0 42	3 17	2 3	32 12	12 31	19 21	19 23	21 16		n.a.
T 8	17 12	13 50	5 11	9 53	1 30	15 34	1 25	18 21	1 4	21 31	0 49	16 47	2 12	5 0	0 42	3 17	2 3	32 12	12 31	19 21	19 24	21 14		n.a.
W 9	16 55	18 39	5 17	9 16	1 44	15 9	1 24	18 7	1 4	21 28	0 50	16 49	2 12	4 58	0 42	3 16	2 3	32 12	12 31	19 22	19 25	21 12		n.a.
T 10	16 37	22 42	5 7	8 40	1 57	14 43	1 24	17 54	1 4	21 25	0 50	16 51	2 12	4 57	0 42	3 16	2 3	32 11	12 31	19 22	19 25	21 10		n.a.
F 11	16 20	25 37	4 40	8 8	2 11	14 17	1 23	17 40	1 3	21 22	0 50	16 52	2 12	4 56	0 42	3 16	2 3	32 11	12 32	19 21	19 26	21 7		n.a.
S 12	16 1	27 2	3 55	7 39	2 24	13 50	1 22	17 26	1 3	21 19	0 50	16 54	2 12	4 55	0 42	3 15	2 3	32 11	12 32	19 21	19 27	21 5		n.a.
S 13	15 43	26 40	2 54	7 13	2 37	13 23	1 22	17 11	1 3	21 16	0 50	16 55	2 12	4 54	0 42	3 15	2 3	32 10	12 32	19 21	19 28	21 3		n.a.
M14	15 25	24 25	1 40	6 51	2 48	12 56	1 21	16 57	1 3	21 13	0 50	16 57	2 12	4 52	0 42	3 15	2 3	32 10	12 32	19 21	19 29	21 1		n.a.
T 15	15 6	20 26	0 19	6 32	2 59	12 28	1 20	16 42	1 3	21 10	0 50	16 59	2 12	4 51	0 42	3 14	2 3	32 10	12 32	19 21	19 29	20 58		n.a.
W16	14 47	15 4	1s 5	6 18	3 9	12 1	1 19	16 28	1 2	21 8	0 50	17 0	2 12	4 50	0 42	3 14	2 3	32 10	12 32	19 21	19 30	20 56		n.a.
T 17	14 27	8 49	2 23	6 7	3 18	11 32	1 18	16 13	1 2	21 5	0 51	17 2	2 12	4 49	0 42	3 14	2 3	32 9	12 32	19 21	19 31	20 54		n.a.
F 18	14 8	2 10	3 31	6 0	3 26	11 4	1 17	15 58	1 2	21 2	0 51	17 3	2 12	4 47	0 42	3 13	2 3	32 9	12 32	19 21	19 32	20 51		n.a.
S 19	13 48	4s27	4 23	5 58	3 32	10 35	1 16	15 43	1 2	20 59	0 51	17 5	2 13	4 46	0 42	3 13	2 3	32 9	12 33	19 22	19 32	20 49		n.a.
S 20	13 28	10 38	4 58	5 59	3 37	10 6	1 15	15 27	1 2	20 56	0 51	17 6	2 13	4 45	0 42	3 12	2 3	32 9	12 33	19 23	19 33	20 47		n.a.
M21	13 8	16 6	5 14	6 5	3 40	9 37	1 13	15 12	1 1	20 53	0 51	17 8	2 13	4 43	0 42	3 12	2 4	32 8	12 33	19 23	19 34	20 45		n.a.
T 22	12 48	20 38	5 13	6 14	3 41	9 7	1 12	14 56	1 1	20 50	0 51	17 10	2 13	4 42	0 42	3 12	2 4	32 8	12 33	19 24	19 35	20 42		n.a.
W23	12 27	24 2	4 56	6 27	3 41	8 38	1 11	14 41	1 1	20 47	0 51	17 11	2 13	4 41	0 42	3 11	2 4	32 8	12 33	19 24	19 35	20 40		n.a.
T 24	12 6	26 12	4 26	6 44	3 39	8 8	1 9	14 25	1 1	20 44	0 51	17 13	2 13	4 40	0 42	3 11	2 4	32 8	12 33	19 24	19 36	20 38		n.a.
F 25	11 45	27 4	3 44	7 3	3 35	7 37	1 8	14 9	1 0	20 41	0 52	17 14	2 13	4 38	0 42	3 10	2 4	32 8	12 33	19 24	19 37	20 35		n.a.
S 26	11 24	26 39	2 53	7 25	3 29	7 7	1 6	13 53	1 0	20 38	0 52	17 16	2 13	4 37	0 42	3 10	2 4	32 7	12 34	19 23	19 38	20 33		n.a.
S 27	11 3	25 1	1 55	7 49	3 22	6 36	1 5	13 37	1 0	20 35	0 52	17 17	2 13	4 36	0 42	3 9	2 4	32 7	12 34	19 23	19 38	20 31		n.a.
M28	10s42	22s18	0s53	8s15	3n13	6s 6	1s 3	13s20	1s 0	20s32	0s52	17n18	2n13	4s34	0s42	3s 9	2n 4	32s 7	12s34	19s22	19s39	20s28		n.a.

Julian Day Number = 1476006.5, Delta T = 05h26m49s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'12, Lahiri = -13°14'11 Julian Calendar 1 Feb. 672 BCE == Greg. Calendar 25 Jan. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

MARCH 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 6 13	3♓34'35	6♒48	0°R13	18♓25	28♒34	3♒34	19°R20	20♓16	12°R34	2♒21	4°R39	3♒25	0♒59	n.a.	T 1
W 2	10 10 9	4°33'31	18°38	29♒25	19°39	29°19	3°48	19♌15	20°19	12♎33	2°23	4♒38	3°22	1° 6	n.a.	W 2
T 3	10 14 6	5°32'25	0♓35	28°39	20°53	0♓ 5	4° 1	19°11	20°23	12°32	2°24	4°35	3°19	1°13	n.a.	T 3
F 4	10 18 2	6°31'18	12°40	27°55	22° 7	0°51	4°14	19° 7	20°26	12°31	2°26	4°31	3°16	1°19	n.a.	F 4
S 5	10 21 59	7°30'08	24°55	27°14	23°21	1°37	4°28	19° 2	20°29	12°30	2°27	4°26	3°13	1°26	n.a.	S 5
S 6	10 25 55	8°28'55	7♈21	26°38	24°35	2°22	4°41	18°58	20°33	12°28	2°28	4°20	3° 9	1°33	n.a.	S 6
M 7	10 29 52	9°27'41	20° 0	26° 6	25°49	3° 8	4°54	18°54	20°36	12°27	2°30	4°14	3° 6	1°39	n.a.	M 7
T 8	10 33 48	10°26'24	2♉51	25°38	27° 3	3°53	5° 7	18°50	20°39	12°26	2°31	4° 9	3° 3	1°46	n.a.	T 8
W 9	10 37 45	11°25'06	15°57	25°15	28°17	4°39	5°20	18°45	20°43	12°24	2°33	4° 5	3° 0	1°53	n.a.	W 9
T 10	10 41 41	12°23'44	29°18	24°58	29°31	5°24	5°33	18°41	20°46	12°23	2°34	4° 2	2°57	1°59	n.a.	T 10
F 11	10 45 38	13°22'21	12♊55	24°46	0♈44	6°10	5°46	18°37	20°50	12°22	2°35	4°D 1	2°53	2° 6	n.a.	F 11
S 12	10 49 35	14°20'55	26°51	24°39	1°58	6°55	5°59	18°33	20°53	12°20	2°37	4° 2	2°50	2°13	n.a.	S 12
S 13	10 53 31	15°19'27	11♋ 3	24°D37	3°12	7°40	6°11	18°29	20°56	12°19	2°38	4° 3	2°47	2°19	n.a.	S 13
M14	10 57 28	16°17'57	25°32	24°41	4°25	8°26	6°24	18°26	21° 0	12°18	2°39	4° 4	2°44	2°26	n.a.	M14
T 15	11 1 24	17°16'24	10♌13	24°49	5°39	9°11	6°37	18°22	21° 3	12°16	2°40	4°R 4	2°41	2°32	n.a.	T 15
W16	11 5 21	18°14'49	25° 2	25° 3	6°53	9°56	6°49	18°18	21° 7	12°15	2°42	4° 3	2°38	2°39	n.a.	W16
T 17	11 9 17	19°13'11	9♍53	25°21	8° 6	10°41	7° 2	18°14	21°10	12°13	2°43	3°59	2°34	2°46	n.a.	T 17
F 18	11 13 14	20°11'32	24°37	25°44	9°20	11°26	7°14	18°11	21°14	12°12	2°44	3°53	2°31	2°52	n.a.	F 18
S 19	11 17 10	21° 9'51	9♎ 6	26°11	10°33	12°11	7°26	18° 7	21°17	12°10	2°45	3°46	2°28	2°59	n.a.	S 19
S 20	11 21 7	22° 8'08	23°15	26°43	11°47	12°56	7°39	18° 4	21°20	12° 9	2°46	3°39	2°25	3° 6	n.a.	S 20
M21	11 25 3	23° 6'23	6♏59	27°18	13° 0	13°41	7°51	18° 0	21°24	12° 7	2°48	3°31	2°22	3°12	n.a.	M21
T 22	11 29 0	24° 4'37	20°16	27°58	14°13	14°26	8° 3	17°57	21°27	12° 6	2°49	3°25	2°19	3°19	n.a.	T 22
W23	11 32 57	25° 2'49	3♐ 8	28°41	15°27	15°11	8°15	17°54	21°31	12° 4	2°50	3°21	2°15	3°26	n.a.	W23
T 24	11 36 53	26° 0'59	15°38	29°28	16°40	15°55	8°27	17°50	21°34	12° 3	2°51	3°18	2°12	3°32	n.a.	T 24
F 25	11 40 50	26°59'08	27°49	0♓18	17°54	16°40	8°39	17°47	21°38	12° 1	2°52	3°D18	2° 9	3°39	n.a.	F 25
S 26	11 44 46	27°57'15	9♑46	1°11	19° 7	17°25	8°51	17°44	21°41	12° 0	2°53	3°18	2° 6	3°46	n.a.	S 26
S 27	11 48 43	28°55'21	21°36	2° 8	20°20	18° 9	9° 2	17°41	21°44	11°58	2°54	3°19	2° 3	3°52	n.a.	S 27
M28	11 52 39	29°53'25	3♒23	3° 8	21°33	18°54	9°14	17°39	21°48	11°56	2°55	3°R20	1°59	3°59	n.a.	M28
T 29	11 56 36	0♈51'27	15°11	4°10	22°46	19°38	9°25	17°36	21°51	11°55	2°56	3°19	1°56	4° 6	n.a.	T 29
W30	12 0 32	1°49'28	27° 6	5°15	24° 0	20°23	9°37	17°33	21°55	11°53	2°57	3°16	1°53	4°12	n.a.	W30
T 31	12 4 29	2♈47'27	9♓11	6♓23	25♈13	21♓ 7	9♒48	17♌30	21♓58	11♎52	2♒58	3♒11	1♒50	4♒19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	10s20	18s39	0n12	8s42	3n 3	5s35	1s 1	13s 4	0s59	20s28	0s52	17n20	2n13	4s33	0s42	3s 8	2n 4	32s 7	12s34	19s22	19s40	20s26			n.a.
W 2	9 58	14 15	1 16	9 10	2 51	5 4	1 0	12 47	0 59	20 25	0 52	17 21	2 13	4 32	0 42	3 8	2 4	32 7	12 34	19 23	19 41	20 24			n.a.
T 3	9 37	9 17	2 17	9 38	2 39	4 33	0 58	12 31	0 59	20 22	0 53	17 23	2 13	4 30	0 42	3 7	2 4	32 6	12 35	19 23	19 41	20 21			n.a.
F 4	9 15	3 56	3 13	10 6	2 25	4 1	0 56	12 14	0 58	20 19	0 53	17 24	2 13	4 29	0 42	3 7	2 4	32 6	12 35	19 24	19 42	20 19			n.a.
S 5	8 52	1n38	4 1	10 34	2 10	3 30	0 54	11 57	0 58	20 16	0 53	17 25	2 13	4 28	0 42	3 6	2 4	32 6	12 35	19 25	19 43	20 17			n.a.
S 6	8 30	7 12	4 38	11 0	1 55	2 59	0 52	11 40	0 58	20 13	0 53	17 27	2 13	4 26	0 42	3 6	2 4	32 6	12 35	19 27	19 44	20 14			n.a.
M 7	8 8	12 34	5 2	11 26	1 40	2 27	0 50	11 23	0 57	20 10	0 53	17 28	2 13	4 25	0 42	3 5	2 4	32 6	12 35	19 28	19 44	20 12			n.a.
T 8	7 45	17 29	5 11	11 50	1 24	1 55	0 48	11 6	0 57	20 7	0 53	17 29	2 13	4 23	0 42	3 5	2 4	32 6	12 36	19 30	19 45	20 10			n.a.
W 9	7 23	21 41	5 5	12 13	1 9	1 24	0 46	10 49	0 57	20 4	0 53	17 31	2 13	4 22	0 42	3 4	2 4	32 6	12 36	19 31	19 46	20 7			n.a.
T 10	7 0	24 52	4 42	12 33	0 53	0 52	0 44	10 32	0 56	20 1	0 54	17 32	2 13	4 21	0 42	3 3	2 4	32 6	12 36	19 31	19 47	20 5			n.a.
F 11	6 37	26 41	4 3	12 52	0 37	0 20	0 42	10 15	0 56	19 58	0 54	17 33	2 13	4 19	0 42	3 3	2 4	32 5	12 36	19 31	19 47	20 2			n.a.
S 12	6 15	26 53	3 8	13 9	0 22	0n11	0 40	9 57	0 56	19 55	0 54	17 35	2 13	4 18	0 42	3 2	2 4	32 5	12 37	19 31	19 48	20 0			n.a.
S 13	5 52	25 20	2 2	13 23	0 7	0 43	0 37	9 40	0 55	19 52	0 54	17 36	2 13	4 17	0 42	3 2	2 4	32 5	12 37	19 31	19 49	19 58			n.a.
M14	5 29	22 6	0 46	13 36	0s 7	1 15	0 35	9 22	0 55	19 49	0 54	17 37	2 13	4 15	0 42	3 1	2 4	32 5	12 37	19 31	19 50	19 55			n.a.
T 15	5 6	17 24	0s33	13 46	0 21	1 46	0 33	9 5	0 55	19 46	0 55	17 38	2 12	4 14	0 42	3 1	2 4	32 5	12 37	19 31	19 50	19 53			n.a.
W16	4 43	11 37	1 51	13 54	0 35	2 18	0 30	8 47	0 54	19 43	0 55	17 39	2 12	4 13	0 42	3 0	2 5	32 5	12 38	19 31	19 51	19 51			n.a.
T 17	4 20	5 10	3 2	14 0	0 47	2 50	0 28	8 30	0 54	19 40	0 55	17 40	2 12	4 11	0 42	2 59	2 5	32 5	12 38	19 32	19 52	19 48			n.a.
F 18	3 56	1s29	3 59	14 3	1 0	3 21	0 26	8 12	0 54	19 37	0 55	17 41	2 12	4 10	0 42	2 59	2 5	32 5	12 38	19 33	19 52	19 46			n.a.
S 19	3 33	7 56	4 40	14 5	1 11	3 53	0 23	7 54	0 53	19 34	0 55	17 42	2 12	4 8	0 42	2 58	2 5	32 5	12 38	19 35	19 53	19 43			n.a.
S 20	3 10	13 50	5 3	14 4	1 22	4 24	0 21	7 36	0 53	19 31	0 55	17 43	2 12	4 7	0 42	2 58	2 5	32 5	12 39	19 37	19 54	19 41			n.a.
M21	2 46	18 52	5 7	14 1	1 32	4 55	0 18	7 19	0 52	19 28	0 56	17 44	2 12	4 6	0 42	2 57	2 5	32 5	12 39	19 38	19 55	19 39			n.a.
T 22	2 23	22 47	4 55	13 56	1 42	5 27	0 16	7 1	0 52	19 25	0 56	17 45	2 12	4 4	0 42	2 56	2 5	32 5	12 39	19 40	19 55	19 36			n.a.
W23	2 0	25 27	4 28	13 49	1 51	5 58	0 13	6 43	0 52	19 22	0 56	17 46	2 12	4 3	0 42	2 56	2 5	32 5	12 39	19 41	19 56	19 34			n.a.
T 24	1 36	26 46	3 48	13 40	1 59	6 29	0 11	6 25	0 51	19 19	0 56	17 47	2 12	4 2	0 42	2 55	2 5	32 5	12 40	19 42	19 57	19 31			n.a.
F 25	1 13	26 45	2 59	13 29	2 6	6 59	0 8	6 7	0 51	19 16	0 56	17 48	2 12	4 0	0 42	2 54	2 5	32 5	12 40	19 42	19 58	19 29			n.a.
S 26	0 49	25 28	2 3	13 16	2 13	7 30	0 5	5 49	0 50	19 13	0 57	17 49	2 12	3 59	0 42	2 54	2 5	32 5	12 40	19 42	19 58	19 26			n.a.
S 27	0 26	23 3	1 3	13 2	2 19	8 1	0 3	5 31	0 50	19 10	0 57	17 50	2 12	3 57	0 42	2 53	2 5	32 5	12 41	19 41	19 59	19 24			n.a.
M28	0 3	19 40	0n 0	12 45	2 25	8 31	0 0	5 13	0 49	19 7	0 57	17 51	2 11	3 56	0 42	2 52	2 5	32 5	12 41	19 41	20 0	19 21			n.a.
T 29	0n21	15 30	1 3	12 26	2 30	9 1	0n 2	4 55	0 49	19 4	0 57	17 51	2 11	3 55	0 42	2 52	2 5	32 5	12 41	19 41	20 0	19 19			n.a.
W30	0 44	10 43	2 4	12 6	2 34	9 31	0 5	4 36	0 49	19 1	0 57	17 52	2 11	3 53	0 42	2 51	2 5	32 5	12 42	19 42	20 1	19 17			n.a.
T 31	1n 7	5s28	3n 0	11s44	2s37	10n 1	0n 8	4s18	0s48	18s58	0s58	17n53	2n11	3s52	0s42	2s51	2n 5	32s 5	12s42	19s43	20s 2	19s14			n.a.

Julian Day Number = 1476034.5, Delta T = 05h26m48s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'08, Lahiri = -13°14'07 Julian Calendar 1 March 672 BCE == Greg. Calendar 22 Feb. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

APRIL 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 8 26	3♈45'25	21♓28	7♓34	26♈26	21♓51	9♒59	17°R28	22♓ 1	11°R50	2♒59	3°R 3	1♒47	4♒25	n.a.	F 1
S 2	12 12 22	4°43'21	3♈58	8°47	27°39	22°36	10°11	17♌25	22° 5	11♎49	3° 0	2♒53	1°44	4°32	n.a.	S 2
S 3	12 16 19	5°41'15	16°43	10° 3	28°52	23°20	10°22	17°23	22° 8	11°47	3° 1	2°43	1°40	4°39	n.a.	S 3
M 4	12 20 15	6°39'08	29°41	11°21	0♉ 5	24° 4	10°33	17°21	22°11	11°45	3° 2	2°32	1°37	4°45	n.a.	M 4
T 5	12 24 12	7°36'59	12♉52	12°41	1°18	24°48	10°43	17°19	22°15	11°44	3° 3	2°21	1°34	4°52	n.a.	T 5
W 6	12 28 8	8°34'48	26°16	14° 3	2°31	25°32	10°54	17°17	22°18	11°42	3° 3	2°13	1°31	4°59	n.a.	W 6
T 7	12 32 5	9°32'35	9♊50	15°28	3°44	26°16	11° 5	17°15	22°21	11°40	3° 4	2° 7	1°28	5° 5	n.a.	T 7
F 8	12 36 1	10°30'21	23°34	16°55	4°56	27° 0	11°15	17°13	22°25	11°39	3° 5	2° 4	1°25	5°12	n.a.	F 8
S 9	12 39 58	11°28'05	7♋28	18°25	6° 9	27°44	11°26	17°11	22°28	11°37	3° 6	2°D 3	1°21	5°19	n.a.	S 9
S 10	12 43 55	12°25'47	21°32	19°56	7°22	28°28	11°36	17° 9	22°31	11°36	3° 7	2° 3	1°18	5°25	n.a.	S 10
M11	12 47 51	13°23'27	5♌45	21°30	8°35	29°12	11°46	17° 8	22°35	11°34	3° 7	2°R 3	1°15	5°32	n.a.	M11
T 12	12 51 48	14°21'06	20° 6	23° 5	9°47	29°56	11°57	17° 6	22°38	11°32	3° 8	2° 2	1°12	5°39	n.a.	T 12
W13	12 55 44	15°18'43	4♍31	24°43	11° 0	0♈39	12° 7	17° 5	22°41	11°31	3° 9	1°59	1° 9	5°45	n.a.	W13
T 14	12 59 41	16°16'18	18°57	26°23	12°13	1°23	12°17	17° 3	22°44	11°29	3° 9	1°53	1° 5	5°52	n.a.	T 14
F 15	13 3 37	17°13'51	3♎19	28° 5	13°25	2° 7	12°26	17° 2	22°47	11°27	3°10	1°45	1° 2	5°58	n.a.	F 15
S 16	13 7 34	18°11'23	17°31	29°49	14°38	2°50	12°36	17° 1	22°51	11°26	3°11	1°34	0°59	6° 5	n.a.	S 16
S 17	13 11 30	19° 8'54	1♏27	1♈36	15°50	3°34	12°46	17° 0	22°54	11°24	3°11	1°23	0°56	6°12	n.a.	S 17
M18	13 15 27	20° 6'24	15° 2	3°24	17° 3	4°17	12°55	16°59	22°57	11°23	3°12	1°11	0°53	6°18	n.a.	M18
T 19	13 19 23	21° 3'53	28°15	5°15	18°15	5° 0	13° 4	16°58	23° 0	11°21	3°12	1° 1	0°50	6°25	n.a.	T 19
W20	13 23 20	22° 1'20	11♐ 6	7° 8	19°27	5°44	13°14	16°57	23° 3	11°19	3°13	0°54	0°46	6°32	n.a.	W20
T 21	13 27 17	22°58'47	23°35	9° 2	20°40	6°27	13°23	16°57	23° 6	11°18	3°13	0°48	0°43	6°38	n.a.	T 21
F 22	13 31 13	23°56'13	5♑47	10°59	21°52	7°10	13°32	16°56	23° 9	11°16	3°14	0°45	0°40	6°45	n.a.	F 22
S 23	13 35 10	24°53'37	17°46	12°58	23° 4	7°53	13°40	16°56	23°12	11°15	3°14	0°44	0°37	6°52	n.a.	S 23
S 24	13 39 6	25°51'01	29°36	14°59	24°16	8°36	13°49	16°55	23°15	11°13	3°15	0°44	0°34	6°58	n.a.	S 24
M25	13 43 3	26°48'24	11♒25	17° 1	25°28	9°20	13°58	16°55	23°18	11°12	3°15	0°44	0°30	7° 5	n.a.	M25
T 26	13 46 59	27°45'47	23°16	19° 6	26°41	10° 3	14° 6	16°55	23°21	11°10	3°15	0°43	0°27	7°12	n.a.	T 26
W27	13 50 56	28°43'08	5♓15	21°12	27°53	10°45	14°14	16°D55	23°24	11° 8	3°16	0°39	0°24	7°18	n.a.	W27
T 28	13 54 53	29°40'29	17°26	23°19	29° 5	11°28	14°23	16°55	23°27	11° 7	3°16	0°33	0°21	7°25	n.a.	T 28
F 29	13 58 49	0♉37'49	29°53	25°28	0♊17	12°11	14°31	16°55	23°30	11° 5	3°16	0°25	0°18	7°32	n.a.	F 29
S 30	14 2 46	1♉35'08	12♈37	27♈38	1♊29	12♈54	14♒39	16♌56	23♓33	11♎ 4	3♒17	0♒14	0♒15	7♒38	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n31	0n 3	3n48	11s20	2s40	10n30	0n10	4s 0	0s48	18s55	0s58	17n54	2n11	3s51	0s42	2s50	2n 5	32s 5	12s42	19s45	20s 3	19s12		n.a.
S 2	1 54	5 40	4 26	10 54	2 43	10 59	0 13	3 42	0 47	18 52	0 58	17 54	2 11	3 49	0 42	2 49	2 5	32 5	12 42	19 47	20 3	19 9		n.a.
S 3	2 17	11 8	4 52	10 26	2 44	11 28	0 16	3 24	0 47	18 50	0 58	17 55	2 11	3 48	0 42	2 49	2 5	32 5	12 43	19 50	20 4	19 7		n.a.
M 4	2 41	16 14	5 3	9 57	2 45	11 57	0 19	3 6	0 46	18 47	0 58	17 55	2 11	3 47	0 42	2 48	2 5	32 5	12 43	19 52	20 5	19 4		n.a.
T 5	3 4	20 39	4 58	9 26	2 46	12 25	0 21	2 48	0 46	18 44	0 59	17 56	2 11	3 45	0 42	2 47	2 5	32 5	12 43	19 55	20 6	19 2		n.a.
W 6	3 27	24 4	4 37	8 54	2 46	12 53	0 24	2 29	0 45	18 41	0 59	17 57	2 10	3 44	0 42	2 47	2 5	32 5	12 44	19 57	20 6	18 59		n.a.
T 7	3 50	26 12	4 1	8 20	2 45	13 21	0 27	2 11	0 45	18 38	0 59	17 57	2 10	3 43	0 42	2 46	2 5	32 5	12 44	19 58	20 7	18 57		n.a.
F 8	4 13	26 47	3 10	7 44	2 43	13 49	0 29	1 53	0 45	18 36	0 59	17 57	2 10	3 41	0 42	2 45	2 5	32 6	12 44	19 59	20 8	18 54		n.a.
S 9	4 36	25 40	2 7	7 7	2 41	14 16	0 32	1 35	0 44	18 33	1 0	17 58	2 10	3 40	0 42	2 45	2 5	32 6	12 45	19 59	20 8	18 52		n.a.
S 10	4 59	22 57	0 56	6 28	2 39	14 43	0 35	1 17	0 44	18 30	1 0	17 58	2 10	3 39	0 42	2 44	2 5	32 6	12 45	19 59	20 9	18 49		n.a.
M11	5 21	18 47	0s20	5 48	2 35	15 9	0 37	0 59	0 43	18 28	1 0	17 59	2 10	3 37	0 42	2 43	2 5	32 6	12 45	19 59	20 10	18 47		n.a.
T 12	5 44	13 30	1 34	5 6	2 32	15 35	0 40	0 41	0 43	18 25	1 0	17 59	2 10	3 36	0 42	2 43	2 5	32 6	12 46	19 59	20 10	18 44		n.a.
W13	6 7	7 28	2 43	4 23	2 27	16 1	0 43	0 23	0 42	18 22	1 1	17 59	2 9	3 35	0 42	2 42	2 5	32 6	12 46	20 0	20 11	18 42		n.a.
T 14	6 29	1 2	3 42	3 38	2 22	16 26	0 45	0 5	0 42	18 20	1 1	18 0	2 9	3 34	0 42	2 42	2 5	32 6	12 46	20 1	20 12	18 39		n.a.
F 15	6 52	5s23	4 26	2 52	2 17	16 51	0 48	0n13	0 41	18 17	1 1	18 0	2 9	3 32	0 42	2 41	2 5	32 7	12 47	20 3	20 13	18 37		n.a.
S 16	7 14	11 27	4 52	2 4	2 11	17 15	0 51	0 31	0 41	18 15	1 1	18 0	2 9	3 31	0 42	2 40	2 5	32 7	12 47	20 6	20 13	18 34		n.a.
S 17	7 36	16 50	5 1	1 15	2 5	17 39	0 53	0 49	0 40	18 12	1 1	18 0	2 9	3 30	0 42	2 40	2 5	32 7	12 47	20 8	20 14	18 32		n.a.
M18	7 58	21 14	4 53	0 25	1 58	18 3	0 56	1 7	0 40	18 10	1 2	18 0	2 9	3 29	0 42	2 39	2 5	32 7	12 48	20 11	20 15	18 29		n.a.
T 19	8 20	24 24	4 28	0n26	1 50	18 26	0 58	1 25	0 39	18 7	1 2	18 1	2 9	3 27	0 42	2 38	2 5	32 7	12 48	20 13	20 15	18 27		n.a.
W20	8 42	26 14	3 51	1 19	1 42	18 49	1 1	1 43	0 39	18 5	1 2	18 1	2 8	3 26	0 42	2 38	2 5	32 7	12 48	20 15	20 16	18 24		n.a.
T 21	9 3	26 40	3 3	2 12	1 34	19 11	1 3	2 1	0 38	18 2	1 3	18 1	2 8	3 25	0 42	2 37	2 5	32 8	12 49	20 16	20 17	18 22		n.a.
F 22	9 25	25 47	2 8	3 7	1 25	19 33	1 6	2 19	0 38	18 0	1 3	18 1	2 8	3 24	0 42	2 37	2 5	32 8	12 49	20 16	20 18	18 19		n.a.
S 23	9 46	23 42	1 8	4 2	1 16	19 54	1 8	2 36	0 37	17 58	1 3	18 1	2 8	3 22	0 42	2 36	2 5	32 8	12 49	20 17	20 18	18 17		n.a.
S 24	10 8	20 37	0 6	4 58	1 6	20 15	1 10	2 54	0 36	17 55	1 3	18 1	2 8	3 21	0 42	2 35	2 5	32 8	12 50	20 17	20 19	18 14		n.a.
M25	10 29	16 42	0n56	5 55	0 56	20 35	1 13	3 12	0 36	17 53	1 4	18 1	2 8	3 20	0 42	2 35	2 5	32 9	12 50	20 17	20 20	18 12		n.a.
T 26	10 50	12 8	1 56	6 52	0 46	20 54	1 15	3 29	0 35	17 51	1 4	18 0	2 8	3 19	0 42	2 34	2 5	32 9	12 50	20 17	20 20	18 9		n.a.
W27	11 10	7 4	2 52	7 50	0 36	21 13	1 17	3 47	0 35	17 49	1 4	18 0	2 7	3 18	0 42	2 34	2 5	32 9	12 51	20 18	20 21	18 6		n.a.
T 28	11 31	1 39	3 40	8 48	0 25	21 32	1 20	4 4	0 34	17 46	1 4	18 0	2 7	3 16	0 42	2 33	2 5	32 9	12 51	20 19	20 22	18 4		n.a.
F 29	11 51	3n54	4 19	9 46	0 14	21 50	1 22	4 22	0 34	17 44	1 5	18 0	2 7	3 15	0 42	2 32	2 5	32 10	12 51	20 21	20 22	18 1		n.a.
S 30	12n11	9n26	4n47	10n43	0s 4	22n 7	1n24	4n39	0s33	17s42	1s 5	18n 0	2n 7	3s14	0s42	2s32	2n 5	32s10	12s52	20s23	20s23	17s59		n.a.

Julian Day Number = 1476065.5, Delta T = 05h26m46s
Ecliptic obliquity = 23°46'40, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°21'04, Lahiri = -13°14'03 Julian Calendar 1 Apr. 672 BCE == Greg. Calendar 25 March 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

MAY 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 6 42	2♉32'26	25♈40	29♈48	2♊41	13♈37	14♒46	16♌56	23♓36	11°R 2	3♒17	0°R 2	0♒11	7♒45	n.a.	S 1
M 2	14 10 39	3°29'43	8♉59	2♉ 0	3°52	14°19	14°54	16°56	23°39	11♎ 1	3°17	29♑49	0° 8	7°51	n.a.	M 2
T 3	14 14 35	4°27'00	22°34	4°11	5° 4	15° 2	15° 1	16°57	23°42	10°59	3°17	29°38	0° 5	7°58	n.a.	T 3
W 4	14 18 32	5°24'16	6♊21	6°23	6°16	15°44	15° 9	16°58	23°44	10°58	3°18	29°28	0° 2	8° 5	n.a.	W 4
T 5	14 22 28	6°21'31	20°17	8°35	7°28	16°27	15°16	16°59	23°47	10°57	3°18	29°21	29♑59	8°11	n.a.	T 5
F 6	14 26 25	7°18'45	4♋18	10°46	8°39	17° 9	15°23	16°59	23°50	10°55	3°18	29°17	29°56	8°18	n.a.	F 6
S 7	14 30 22	8°15'58	18°23	12°56	9°51	17°52	15°30	17° 0	23°52	10°54	3°18	29°16	29°52	8°25	n.a.	S 7
S 8	14 34 18	9°13'10	2♌30	15° 6	11° 3	18°34	15°37	17° 1	23°55	10°52	3°18	29°15	29°49	8°31	n.a.	S 8
M 9	14 38 15	10°10'21	16°38	17°14	12°14	19°16	15°43	17° 3	23°58	10°51	3°18	29°15	29°46	8°38	n.a.	M 9
T 10	14 42 11	11° 7'31	0♍45	19°21	13°26	19°59	15°50	17° 4	24° 0	10°50	3°18	29°14	29°43	8°45	n.a.	T 10
W11	14 46 8	12° 4'40	14°52	21°26	14°37	20°41	15°56	17° 5	24° 3	10°48	3°R18	29°11	29°40	8°51	n.a.	W11
T 12	14 50 4	13° 1'48	28°54	23°30	15°48	21°23	16° 2	17° 7	24° 5	10°47	3°18	29° 5	29°36	8°58	n.a.	T 12
F 13	14 54 1	13°58'56	12♎50	25°31	17° 0	22° 5	16° 8	17° 8	24° 8	10°46	3°18	28°57	29°33	9° 5	n.a.	F 13
S 14	14 57 57	14°56'03	26°37	27°31	18°11	22°47	16°14	17°10	24°10	10°44	3°18	28°47	29°30	9°11	n.a.	S 14
S 15	15 1 54	15°53'10	10♏10	29°29	19°22	23°29	16°19	17°12	24°13	10°43	3°18	28°35	29°27	9°18	n.a.	S 15
M16	15 5 51	16°50'16	23°28	1♊25	20°33	24°11	16°25	17°14	24°15	10°42	3°18	28°24	29°24	9°25	n.a.	M16
T 17	15 9 47	17°47'22	6♐28	3°18	21°44	24°52	16°30	17°16	24°17	10°41	3°18	28°14	29°21	9°31	n.a.	T 17
W18	15 13 44	18°44'27	19° 9	5°10	22°55	25°34	16°35	17°18	24°20	10°39	3°18	28° 6	29°17	9°38	n.a.	W18
T 19	15 17 40	19°41'33	1♑33	6°59	24° 6	26°16	16°40	17°20	24°22	10°38	3°17	28° 1	29°14	9°44	n.a.	T 19
F 20	15 21 37	20°38'38	13°42	8°46	25°17	26°58	16°45	17°22	24°24	10°37	3°17	27°58	29°11	9°51	n.a.	F 20
S 21	15 25 33	21°35'43	25°40	10°30	26°28	27°39	16°50	17°24	24°27	10°36	3°17	27°D57	29° 8	9°58	n.a.	S 21
S 22	15 29 30	22°32'49	7♒30	12°13	27°39	28°21	16°54	17°27	24°29	10°35	3°17	27°57	29° 5	10° 4	n.a.	S 22
M23	15 33 26	23°29'54	19°19	13°53	28°49	29° 2	16°58	17°29	24°31	10°34	3°17	27°R58	29° 2	10°11	n.a.	M23
T 24	15 37 23	24°26'59	1♓11	15°31	29°59	29°44	17° 3	17°32	24°33	10°33	3°16	27°57	28°58	10°18	n.a.	T 24
W25	15 41 20	25°24'05	13°12	17° 6	1♋11	0♉25	17° 6	17°35	24°35	10°32	3°16	27°56	28°55	10°24	n.a.	W25
T 26	15 45 16	26°21'11	25°26	18°39	2°21	1° 6	17°10	17°37	24°37	10°31	3°16	27°52	28°52	10°31	n.a.	T 26
F 27	15 49 13	27°18'17	7♈58	20°10	3°32	1°48	17°14	17°40	24°39	10°30	3°15	27°46	28°49	10°38	n.a.	F 27
S 28	15 53 9	28°15'23	20°51	21°39	4°42	2°29	17°17	17°43	24°41	10°29	3°15	27°38	28°46	10°44	n.a.	S 28
S 29	15 57 6	29°12'29	4♉ 6	23° 5	5°52	3°10	17°20	17°46	24°43	10°28	3°14	27°29	28°42	10°51	n.a.	S 29
M30	16 1 2	0♊ 9'36	17°43	24°29	7° 3	3°51	17°23	17°49	24°45	10°27	3°14	27°20	28°39	10°58	n.a.	M30
T 31	16 4 59	1♊ 6'43	1♊39	25♊51	8♋13	4♉32	17♒26	17♌53	24♓47	10♎26	3♒14	27♑11	28♑36	11♒ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	12n32	14n41	5n 0	11n40	0n 7	22n24	1n26	4n57	0s33	17s40	1s 5	17n59	2n 7	3s13	0s42	2s31	2n 5	32s10	12s52	20s26	20s24	17s56			n.a.
M 2	12 51	19 22	4 57	12 36	0 17	22 40	1 28	5 14	0 32	17 38	1 5	17 59	2 7	3 12	0 42	2 31	2 5	32 10	12 53	20 29	20 24	17 54			n.a.
T 3	13 11	23 8	4 37	13 32	0 28	22 55	1 30	5 31	0 32	17 36	1 6	17 59	2 6	3 11	0 42	2 30	2 5	32 11	12 53	20 31	20 25	17 51			n.a.
W 4	13 30	25 38	4 1	14 26	0 38	23 10	1 32	5 48	0 31	17 34	1 6	17 58	2 6	3 10	0 42	2 30	2 5	32 11	12 53	20 33	20 26	17 48			n.a.
T 5	13 50	26 35	3 11	15 19	0 48	23 24	1 34	6 5	0 30	17 32	1 6	17 58	2 6	3 9	0 42	2 29	2 5	32 11	12 54	20 34	20 26	17 46			n.a.
F 6	14 9	25 50	2 8	16 10	0 57	23 38	1 36	6 22	0 30	17 31	1 7	17 58	2 6	3 8	0 42	2 29	2 5	32 12	12 54	20 35	20 27	17 43			n.a.
S 7	14 28	23 26	0 57	16 59	1 6	23 51	1 38	6 39	0 29	17 29	1 7	17 57	2 6	3 7	0 42	2 28	2 4	32 12	12 54	20 36	20 28	17 41			n.a.
S 8	14 46	19 36	0s17	17 46	1 14	24 3	1 39	6 56	0 29	17 27	1 7	17 57	2 6	3 5	0 42	2 27	2 4	32 12	12 55	20 36	20 29	17 38			n.a.
M 9	15 5	14 38	1 31	18 32	1 22	24 15	1 41	7 13	0 28	17 25	1 7	17 56	2 5	3 4	0 42	2 27	2 4	32 13	12 55	20 36	20 29	17 35			n.a.
T 10	15 23	8 53	2 39	19 15	1 29	24 26	1 43	7 30	0 28	17 24	1 8	17 56	2 5	3 3	0 42	2 26	2 4	32 13	12 55	20 36	20 30	17 33			n.a.
W11	15 41	2 43	3 37	19 55	1 36	24 36	1 44	7 46	0 27	17 22	1 8	17 55	2 5	3 2	0 42	2 26	2 4	32 13	12 56	20 37	20 31	17 30			n.a.
T 12	15 58	3s32	4 21	20 33	1 42	24 45	1 46	8 3	0 26	17 20	1 8	17 54	2 5	3 1	0 42	2 25	2 4	32 14	12 56	20 38	20 31	17 28			n.a.
F 13	16 16	9 35	4 50	21 9	1 47	24 54	1 47	8 19	0 26	17 19	1 9	17 54	2 5	3 0	0 42	2 25	2 4	32 14	12 56	20 40	20 32	17 25			n.a.
S 14	16 33	15 4	5 1	21 42	1 52	25 2	1 48	8 35	0 25	17 17	1 9	17 53	2 5	3 0	0 42	2 25	2 4	32 14	12 57	20 42	20 33	17 22			n.a.
S 15	16 50	19 44	4 56	22 12	1 56	25 10	1 49	8 52	0 25	17 16	1 9	17 52	2 4	2 59	0 42	2 24	2 4	32 15	12 57	20 44	20 33	17 20			n.a.
M16	17 6	23 19	4 34	22 40	1 59	25 17	1 51	9 8	0 24	17 15	1 10	17 52	2 4	2 58	0 42	2 24	2 4	32 15	12 57	20 46	20 34	17 17			n.a.
T 17	17 23	25 36	3 58	23 6	2 2	25 23	1 52	9 24	0 23	17 13	1 10	17 51	2 4	2 57	0 42	2 23	2 4	32 15	12 58	20 48	20 35	17 15			n.a.
W18	17 39	26 30	3 11	23 29	2 3	25 28	1 53	9 40	0 23	17 12	1 10	17 50	2 4	2 56	0 42	2 23	2 4	32 16	12 58	20 50	20 35	17 12			n.a.
T 19	17 54	26 2	2 16	23 50	2 5	25 32	1 54	9 56	0 22	17 11	1 10	17 49	2 4	2 55	0 42	2 22	2 4	32 16	12 59	20 51	20 36	17 9			n.a.
F 20	18 10	24 19	1 15	24 8	2 5	25 36	1 55	10 12	0 22	17 10	1 11	17 48	2 4	2 54	0 42	2 22	2 4	32 16	12 59	20 52	20 37	17 7			n.a.
S 21	18 25	21 31	0 12	24 24	2 5	25 39	1 56	10 27	0 21	17 8	1 11	17 48	2 4	2 53	0 42	2 21	2 4	32 17	12 59	20 52	20 37	17 4			n.a.
S 22	18 40	17 50	0n51	24 37	2 4	25 42	1 56	10 43	0 20	17 7	1 11	17 47	2 3	2 52	0 42	2 21	2 4	32 17	13 0	20 52	20 38	17 1			n.a.
M23	18 55	13 28	1 52	24 49	2 2	25 43	1 57	10 59	0 20	17 6	1 12	17 46	2 3	2 51	0 42	2 21	2 4	32 18	13 0	20 52	20 39	16 59			n.a.
T 24	19 9	8 36	2 48	24 58	2 0	25 44	1 57	11 14	0 19	17 5	1 12	17 45	2 3	2 51	0 43	2 20	2 4	32 18	13 0	20 52	20 39	16 56			n.a.
W25	19 23	3 21	3 37	25 5	1 57	25 44	1 58	11 29	0 19	17 4	1 12	17 44	2 3	2 50	0 43	2 20	2 4	32 18	13 1	20 52	20 40	16 53			n.a.
T 26	19 37	2n 6	4 18	25 10	1 54	25 44	1 58	11 44	0 18	17 4	1 13	17 43	2 3	2 49	0 43	2 20	2 4	32 19	13 1	20 53	20 41	16 51			n.a.
F 27	19 50	7 35	4 47	25 14	1 49	25 42	1 59	12 0	0 17	17 3	1 13	17 42	2 3	2 48	0 43	2 19	2 4	32 19	13 1	20 54	20 41	16 48			n.a.
S 28	20 3	12 55	5 3	25 15	1 45	25 40	1 59	12 15	0 17	17 2	1 13	17 41	2 2	2 48	0 43	2 19	2 4	32 20	13 2	20 56	20 42	16 46			n.a.
S 29	20 16	17 48	5 3	25 15	1 39	25 38	1 59	12 29	0 16	17 1	1 14	17 40	2 2	2 47	0 43	2 19	2 4	32 20	13 2	20 57	20 43	16 43			n.a.
M30	20 28	21 55	4 46	25 13	1 33	25 34	1 59	12 44	0 16	17 1	1 14	17 38	2 2	2 46	0 43	2 18	2 3	32 21	13 2	20 59	20 43	16 40			n.a.
T 31	20n40	24n54	4n12	25n10	1n27	25n30	1n59	12n59	0s15	17s 0	1s14	17n37	2n 2	2s45	0s43	2s18	2n 3	32s21	13s 3	21s 1	20s44	16s38			n.a.

Julian Day Number = 1476095.5, Delta T = 05h26m45s
Ecliptic obliquity = 23°46'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'59, Lahiri = -13°13'59 Julian Calendar 1 May 672 BCE == Greg. Calendar 24 Apr. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

JUNE 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 8 56	2♊ 3'50	15♊50	27♊10	9♋23	5♉13	17♒29	17♌56	24♓48	10°R25	3°R13	27°R 4	28♑33	11♒11	n.a.	W 1
T 2	16 12 52	3° 0'57	0♋11	28°26	10°33	5°54	17°31	17°59	24°50	10♎24	3♒13	26♑59	28°30	11°18	n.a.	T 2
F 3	16 16 49	3°58'04	14°36	29°40	11°43	6°35	17°34	18° 3	24°52	10°23	3°12	26°56	28°27	11°24	n.a.	F 3
S 4	16 20 45	4°55'12	29° 1	0♋52	12°53	7°16	17°36	18° 7	24°53	10°23	3°12	26°D56	28°23	11°31	n.a.	S 4
S 5	16 24 42	5°52'19	13♌22	2° 0	14° 3	7°57	17°38	18°10	24°55	10°22	3°11	26°56	28°20	11°37	n.a.	S 5
M 6	16 28 38	6°49'26	27°36	3° 6	15°12	8°38	17°39	18°14	24°57	10°21	3°10	26°57	28°17	11°44	n.a.	M 6
T 7	16 32 35	7°46'33	11♍41	4° 9	16°22	9°18	17°41	18°18	24°58	10°20	3°10	26°R57	28°14	11°51	n.a.	T 7
W 8	16 36 31	8°43'40	25°37	5° 9	17°32	9°59	17°42	18°22	25° 0	10°20	3° 9	26°56	28°11	11°57	n.a.	W 8
T 9	16 40 28	9°40'48	9♎23	6° 7	18°41	10°39	17°43	18°26	25° 1	10°19	3° 9	26°53	28° 8	12° 4	n.a.	T 9
F 10	16 44 25	10°37'55	22°57	7° 0	19°50	11°20	17°44	18°30	25° 2	10°18	3° 8	26°48	28° 4	12°11	n.a.	F 10
S 11	16 48 21	11°35'03	6♏19	7°51	21° 0	12° 0	17°45	18°34	25° 4	10°18	3° 7	26°41	28° 1	12°17	n.a.	S 11
S 12	16 52 18	12°32'11	19°29	8°38	22° 9	12°41	17°46	18°38	25° 5	10°17	3° 6	26°34	27°58	12°24	n.a.	S 12
M13	16 56 14	13°29'20	2♐24	9°22	23°18	13°21	17°46	18°42	25° 6	10°17	3° 6	26°27	27°55	12°31	n.a.	M13
T 14	17 0 11	14°26'29	15° 6	10° 2	24°27	14° 1	17°R46	18°47	25° 7	10°16	3° 5	26°20	27°52	12°37	n.a.	T 14
W15	17 4 7	15°23'39	27°33	10°38	25°36	14°42	17°46	18°51	25° 9	10°16	3° 4	26°15	27°48	12°44	n.a.	W15
T 16	17 8 4	16°20'50	9♑47	11°10	26°45	15°22	17°46	18°56	25°10	10°15	3° 3	26°12	27°45	12°51	n.a.	T 16
F 17	17 12 1	17°18'01	21°50	11°38	27°54	16° 2	17°45	19° 0	25°11	10°15	3° 3	26°D11	27°42	12°57	n.a.	F 17
S 18	17 15 57	18°15'13	3♒44	12° 2	29° 2	16°42	17°45	19° 5	25°12	10°15	3° 2	26°11	27°39	13° 4	n.a.	S 18
S 19	17 19 54	19°12'26	15°33	12°21	0♌11	17°22	17°44	19°10	25°13	10°14	3° 1	26°12	27°36	13°11	n.a.	S 19
M20	17 23 50	20° 9'40	27°22	12°36	1°19	18° 2	17°43	19°15	25°14	10°14	3° 0	26°14	27°33	13°17	n.a.	M20
T 21	17 27 47	21° 6'55	9♓14	12°45	2°27	18°42	17°42	19°19	25°15	10°14	2°59	26°15	27°29	13°24	n.a.	T 21
W22	17 31 43	22° 4'11	21°14	12°R50	3°36	19°22	17°40	19°24	25°15	10°13	2°58	26°R16	27°26	13°31	n.a.	W22
T 23	17 35 40	23° 1'28	3♈28	12°50	4°44	20° 1	17°39	19°29	25°16	10°13	2°58	26°15	27°23	13°37	n.a.	T 23
F 24	17 39 36	23°58'46	16° 1	12°45	5°52	20°41	17°37	19°34	25°17	10°13	2°57	26°13	27°20	13°44	n.a.	F 24
S 25	17 43 33	24°56'06	28°55	12°35	6°59	21°21	17°35	19°40	25°18	10°13	2°56	26°10	27°17	13°51	n.a.	S 25
S 26	17 47 30	25°53'27	12♉14	12°19	8° 7	22° 1	17°33	19°45	25°18	10°13	2°55	26° 6	27°13	13°57	n.a.	S 26
M27	17 51 26	26°50'49	25°58	11°59	9°15	22°40	17°30	19°50	25°19	10°13	2°54	26° 2	27°10	14° 4	n.a.	M27
T 28	17 55 23	27°48'12	10♊ 6	11°34	10°22	23°20	17°28	19°55	25°19	10°13	2°53	25°58	27° 7	14°10	n.a.	T 28
W29	17 59 19	28°45'37	24°34	11° 4	11°30	23°59	17°25	20° 1	25°20	10°D13	2°52	25°54	27° 4	14°17	n.a.	W29
T 30	18 3 16	29♊43'02	9♋16	10♋30	12♌37	24♉39	17♒22	20♌ 6	25♓20	10♎13	2♒51	25♑52	27♑ 1	14♒24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	20n52	26n22	3n22	25n 5	1n20	25n25	1n59	13n13	0s14	17s 0	1s15	17n36	2n 2	2s45	0s43	2s18	2n 3	32s21	13s 3	21s 2	20s45	16s35			n.a.
T 2	21 3	26 5	2 19	24 58	1 12	25 19	1 59	13 28	0 14	16 59	1 15	17 35	2 2	2 44	0 43	2 17	2 3	32 22	13 3	21 3	20 45	16 32			n.a.
F 3	21 14	24 3	1 6	24 51	1 4	25 13	1 58	13 42	0 13	16 59	1 15	17 34	2 2	2 43	0 43	2 17	2 3	32 22	13 4	21 4	20 46	16 30			n.a.
S 4	21 25	20 28	0s11	24 42	0 56	25 6	1 58	13 56	0 12	16 58	1 16	17 32	2 1	2 43	0 43	2 17	2 3	32 23	13 4	21 4	20 46	16 27			n.a.
S 5	21 35	15 39	1 27	24 32	0 46	24 58	1 57	14 10	0 12	16 58	1 16	17 31	2 1	2 42	0 43	2 17	2 3	32 23	13 4	21 4	20 47	16 24			n.a.
M 6	21 45	10 1	2 38	24 21	0 37	24 50	1 57	14 24	0 11	16 58	1 16	17 30	2 1	2 42	0 43	2 16	2 3	32 24	13 4	21 4	20 48	16 21			n.a.
T 7	21 55	3 56	3 37	24 9	0 27	24 41	1 56	14 38	0 10	16 58	1 17	17 28	2 1	2 41	0 43	2 16	2 3	32 24	13 5	21 4	20 48	16 19			n.a.
W 8	22 4	2s16	4 24	23 57	0 16	24 31	1 55	14 52	0 10	16 58	1 17	17 27	2 1	2 40	0 43	2 16	2 3	32 25	13 5	21 4	20 49	16 16			n.a.
T 9	22 13	8 16	4 54	23 43	0 5	24 20	1 54	15 5	0 9	16 58	1 17	17 26	2 1	2 40	0 43	2 16	2 3	32 25	13 5	21 5	20 50	16 13			n.a.
F 10	22 21	13 47	5 8	23 29	0s 6	24 9	1 53	15 18	0 9	16 58	1 18	17 24	2 1	2 39	0 43	2 15	2 3	32 25	13 6	21 6	20 50	16 11			n.a.
S 11	22 29	18 35	5 4	23 14	0 18	23 57	1 52	15 32	0 8	16 58	1 18	17 23	2 0	2 39	0 43	2 15	2 3	32 26	13 6	21 7	20 51	16 8			n.a.
S 12	22 37	22 24	4 44	22 59	0 30	23 45	1 51	15 45	0 7	16 58	1 18	17 21	2 0	2 38	0 43	2 15	2 3	32 26	13 6	21 8	20 52	16 5			n.a.
M13	22 44	25 1	4 10	22 44	0 43	23 32	1 50	15 58	0 7	16 58	1 19	17 20	2 0	2 38	0 43	2 15	2 3	32 27	13 7	21 10	20 52	16 3			n.a.
T 14	22 51	26 19	3 24	22 28	0 56	23 18	1 48	16 11	0 6	16 58	1 19	17 18	2 0	2 37	0 43	2 15	2 3	32 27	13 7	21 11	20 53	16 0			n.a.
W15	22 58	26 14	2 29	22 12	1 9	23 4	1 47	16 23	0 5	16 59	1 19	17 17	2 0	2 37	0 43	2 15	2 3	32 28	13 7	21 12	20 54	15 57			n.a.
T 16	23 4	24 52	1 28	21 56	1 22	22 49	1 45	16 36	0 5	16 59	1 20	17 15	2 0	2 37	0 43	2 15	2 2	32 28	13 7	21 13	20 54	15 54			n.a.
F 17	23 10	22 22	0 24	21 40	1 36	22 34	1 43	16 48	0 4	17 0	1 20	17 14	2 0	2 36	0 43	2 15	2 2	32 29	13 8	21 13	20 55	15 52			n.a.
S 18	23 15	18 55	0n41	21 24	1 50	22 18	1 42	17 1	0 3	17 0	1 20	17 12	2 0	2 36	0 43	2 14	2 2	32 29	13 8	21 13	20 55	15 49			n.a.
S 19	23 20	14 45	1 44	21 8	2 4	22 1	1 40	17 13	0 3	17 1	1 21	17 11	2 0	2 35	0 43	2 14	2 2	32 30	13 8	21 13	20 56	15 46			n.a.
M20	23 24	10 2	2 42	20 53	2 18	21 44	1 38	17 25	0 2	17 1	1 21	17 9	1 59	2 35	0 43	2 14	2 2	32 30	13 8	21 12	20 57	15 44			n.a.
T 21	23 28	4 56	3 34	20 38	2 32	21 26	1 35	17 37	0 1	17 2	1 21	17 7	1 59	2 35	0 43	2 14	2 2	32 31	13 9	21 12	20 57	15 41			n.a.
W22	23 32	0n24	4 17	20 24	2 46	21 8	1 33	17 48	0 1	17 3	1 22	17 6	1 59	2 34	0 43	2 14	2 2	32 31	13 9	21 12	20 58	15 38			n.a.
T 23	23 35	5 48	4 49	20 10	2 59	20 49	1 31	18 0	0n 0	17 4	1 22	17 4	1 59	2 34	0 43	2 14	2 2	32 32	13 9	21 12	20 59	15 35			n.a.
F 24	23 38	11 6	5 8	19 58	3 13	20 30	1 28	18 11	0 1	17 4	1 22	17 2	1 59	2 34	0 43	2 14	2 2	32 32	13 9	21 12	20 59	15 33			n.a.
S 25	23 41	16 6	5 13	19 46	3 25	20 10	1 26	18 23	0 1	17 5	1 23	17 0	1 59	2 34	0 44	2 14	2 2	32 32	13 10	21 13	21 0	15 30			n.a.
S 26	23 43	20 29	5 1	19 35	3 38	19 50	1 23	18 34	0 2	17 6	1 23	16 59	1 59	2 33	0 44	2 14	2 2	32 33	13 10	21 14	21 1	15 27			n.a.
M27	23 44	23 55	4 32	19 25	3 49	19 29	1 20	18 45	0 3	17 7	1 23	16 57	1 59	2 33	0 44	2 14	2 2	32 33	13 10	21 14	21 1	15 24			n.a.
T 28	23 46	25 59	3 45	19 17	4 0	19 8	1 17	18 55	0 3	17 8	1 24	16 55	1 59	2 33	0 44	2 14	2 2	32 34	13 10	21 15	21 2	15 22			n.a.
W29	23 46	26 23	2 44	19 9	4 10	18 46	1 15	19 6	0 4	17 10	1 24	16 53	1 58	2 33	0 44	2 14	2 2	32 34	13 11	21 16	21 2	15 19			n.a.
T 30	23n47	24n57	1n30	19n 3	4s19	18n24	1n11	19n17	0n 5	17s11	1s24	16n51	1n58	2s33	0s44	2s14	2n 2	32s35	13s11	21s16	21s 3	15s16			n.a.

Julian Day Number = 1476126.5, Delta T = 05h26m43s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'55, Lahiri = -13°13'55 Julian Calendar 1 June 672 BCE == Greg. Calendar 25 May 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

JULY 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 7 12	0♋40'29	24♋ 5	9°R52	13♌44	25♉18	17°R19	20♌12	25♓21	10♎13	2°R50	25°D51	26♏58	14♒30	n.a.	F 1
S 2	18 11 9	1°37'57	8♌54	9♋11	14°51	25°57	17♒16	20°17	25°21	10°13	2♒49	25♏52	26°54	14°37	n.a.	S 2
S 3	18 15 5	2°35'25	23°36	8°27	15°58	26°37	17°12	20°23	25°21	10°13	2°48	25°53	26°51	14°44	n.a.	S 3
M 4	18 19 2	3°32'54	8♍ 5	7°41	17° 4	27°16	17° 9	20°29	25°21	10°13	2°47	25°54	26°48	14°50	n.a.	M 4
T 5	18 22 59	4°30'25	22°19	6°53	18°11	27°55	17° 5	20°35	25°22	10°13	2°45	25°55	26°45	14°57	n.a.	T 5
W 6	18 26 55	5°27'56	6♎16	6° 5	19°17	28°34	17° 1	20°40	25°22	10°13	2°44	25°R56	26°42	15° 4	n.a.	W 6
T 7	18 30 52	6°25'28	19°54	5°18	20°23	29°13	16°57	20°46	25°22	10°13	2°43	25°55	26°39	15°10	n.a.	T 7
F 8	18 34 48	7°23'01	3♏15	4°32	21°29	29°52	16°52	20°52	25°R22	10°14	2°42	25°54	26°35	15°17	n.a.	F 8
S 9	18 38 45	8°20'36	16°19	3°48	22°35	0♊31	16°48	20°58	25°22	10°14	2°41	25°52	26°32	15°24	n.a.	S 9
S 10	18 42 41	9°18'12	29° 9	3° 7	23°41	1°10	16°43	21° 4	25°22	10°14	2°40	25°49	26°29	15°30	n.a.	S 10
M11	18 46 38	10°15'48	11♐44	2°30	24°46	1°48	16°38	21°10	25°22	10°15	2°39	25°47	26°26	15°37	n.a.	M11
T 12	18 50 34	11°13'27	24° 7	1°58	25°52	2°27	16°33	21°16	25°22	10°15	2°38	25°45	26°23	15°44	n.a.	T 12
W13	18 54 31	12°11'06	6♑20	1°32	26°57	3° 6	16°28	21°23	25°21	10°16	2°36	25°44	26°20	15°50	n.a.	W13
T 14	18 58 28	13° 8'47	18°23	1°12	28° 2	3°45	16°22	21°29	25°21	10°16	2°35	25°43	26°16	15°57	n.a.	T 14
F 15	19 2 24	14° 6'29	0♒18	0°58	29° 6	4°23	16°17	21°35	25°21	10°16	2°34	25°D43	26°13	16° 4	n.a.	F 15
S 16	19 6 21	15° 4'13	12° 9	0°D51	0♍11	5° 2	16°11	21°41	25°21	10°17	2°33	25°43	26°10	16°10	n.a.	S 16
S 17	19 10 17	16° 1'59	23°57	0°52	1°15	5°40	16° 5	21°48	25°20	10°18	2°32	25°44	26° 7	16°17	n.a.	S 17
M18	19 14 14	16°59'46	5♓45	1° 0	2°19	6°19	16° 0	21°54	25°20	10°18	2°30	25°45	26° 4	16°24	n.a.	M18
T 19	19 18 10	17°57'35	17°38	1°16	3°23	6°57	15°53	22° 1	25°19	10°19	2°29	25°46	26° 0	16°30	n.a.	T 19
W20	19 22 7	18°55'26	29°39	1°39	4°27	7°35	15°47	22° 7	25°19	10°19	2°28	25°47	25°57	16°37	n.a.	W20
T 21	19 26 3	19°53'19	11♈52	2°11	5°30	8°13	15°41	22°14	25°18	10°20	2°27	25°47	25°54	16°44	n.a.	T 21
F 22	19 30 0	20°51'14	24°21	2°50	6°33	8°52	15°34	22°20	25°17	10°21	2°26	25°R47	25°51	16°50	n.a.	F 22
S 23	19 33 57	21°49'11	7♉12	3°36	7°36	9°30	15°28	22°27	25°17	10°21	2°24	25°47	25°48	16°57	n.a.	S 23
S 24	19 37 53	22°47'10	20°27	4°30	8°39	10° 8	15°21	22°33	25°16	10°22	2°23	25°47	25°45	17° 3	n.a.	S 24
M25	19 41 50	23°45'10	4♊ 8	5°30	9°41	10°46	15°14	22°40	25°15	10°23	2°22	25°46	25°41	17°10	n.a.	M25
T 26	19 45 46	24°43'13	18°16	6°38	10°43	11°24	15° 7	22°47	25°14	10°24	2°21	25°46	25°38	17°17	n.a.	T 26
W27	19 49 43	25°41'18	2♋48	7°51	11°45	12° 2	15° 0	22°54	25°14	10°25	2°19	25°D46	25°35	17°23	n.a.	W27
T 28	19 53 39	26°39'25	17°40	9°11	12°47	12°40	14°53	23° 0	25°13	10°26	2°18	25°46	25°32	17°30	n.a.	T 28
F 29	19 57 36	27°37'34	2♌44	10°36	13°48	13°17	14°46	23° 7	25°12	10°27	2°17	25°R46	25°29	17°37	n.a.	F 29
S 30	20 1 33	28°35'44	17°52	12° 6	14°49	13°55	14°38	23°14	25°11	10°28	2°16	25°46	25°26	17°43	n.a.	S 30
S 31	20 5 29	29♋33'56	2♍54	13♋41	15♍50	14♊33	14♒31	23♌21	25♓10	10♎29	2♒14	25♏46	25♏22	17♒50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n47	21n45	0n10	18n59	4s26	18n 2	1n 8	19n27	0n 6	17s12	1s24	16n49	1n58	2s33	0s44	2s14	2n 2	32s35	13s11	21s16	21s 4	15s13		n.a.
S 2	23 46	17 8	1s11	18 56	4 32	17 39	1 5	19 37	0 6	17 13	1 25	16 47	1 58	2 32	0 44	2 14	2 1	32 36	13 11	21 16	21 4	15 11		n.a.
S 3	23 45	11 32	2 27	18 54	4 37	17 15	1 2	19 47	0 7	17 15	1 25	16 46	1 58	2 32	0 44	2 15	2 1	32 36	13 12	21 16	21 5	15 8		n.a.
M 4	23 44	5 23	3 32	18 54	4 40	16 51	0 58	19 57	0 8	17 16	1 25	16 44	1 58	2 32	0 44	2 15	2 1	32 37	13 12	21 16	21 6	15 5		n.a.
T 5	23 42	0s56	4 23	18 56	4 41	16 27	0 54	20 7	0 8	17 18	1 26	16 42	1 58	2 32	0 44	2 15	2 1	32 37	13 12	21 16	21 6	15 2		n.a.
W 6	23 40	7 3	4 57	18 59	4 40	16 3	0 51	20 16	0 9	17 19	1 26	16 40	1 58	2 32	0 44	2 15	2 1	32 38	13 12	21 16	21 7	15 0		n.a.
T 7	23 37	12 43	5 14	19 3	4 37	15 38	0 47	20 25	0 10	17 21	1 26	16 38	1 58	2 32	0 44	2 15	2 1	32 38	13 12	21 16	21 7	14 57		n.a.
F 8	23 34	17 40	5 13	19 9	4 33	15 13	0 43	20 35	0 10	17 22	1 27	16 36	1 58	2 32	0 44	2 15	2 1	32 39	13 12	21 16	21 8	14 54		n.a.
S 9	23 31	21 40	4 56	19 17	4 27	14 48	0 39	20 44	0 11	17 24	1 27	16 34	1 58	2 32	0 44	2 15	2 1	32 39	13 13	21 16	21 9	14 51		n.a.
S 10	23 27	24 32	4 24	19 26	4 19	14 22	0 35	20 52	0 12	17 26	1 27	16 32	1 57	2 32	0 44	2 16	2 1	32 39	13 13	21 17	21 9	14 49		n.a.
M11	23 22	26 9	3 40	19 36	4 9	13 56	0 31	21 1	0 13	17 28	1 27	16 30	1 57	2 32	0 44	2 16	2 1	32 40	13 13	21 17	21 10	14 46		n.a.
T 12	23 18	26 25	2 46	19 48	3 58	13 29	0 26	21 10	0 13	17 29	1 28	16 27	1 57	2 32	0 44	2 16	2 1	32 40	13 13	21 18	21 10	14 43		n.a.
W13	23 13	25 23	1 45	20 0	3 46	13 3	0 22	21 18	0 14	17 31	1 28	16 25	1 57	2 33	0 44	2 16	2 1	32 41	13 13	21 18	21 11	14 40		n.a.
T 14	23 7	23 10	0 41	20 14	3 32	12 36	0 17	21 26	0 15	17 33	1 28	16 23	1 57	2 33	0 44	2 17	2 1	32 41	13 13	21 18	21 12	14 37		n.a.
F 15	23 1	19 57	0n25	20 29	3 18	12 9	0 13	21 34	0 15	17 35	1 29	16 21	1 57	2 33	0 44	2 17	2 1	32 42	13 14	21 18	21 12	14 35		n.a.
S 16	22 55	15 57	1 30	20 44	3 2	11 41	0 8	21 42	0 16	17 37	1 29	16 19	1 57	2 33	0 44	2 17	2 1	32 42	13 14	21 18	21 13	14 32		n.a.
S 17	22 48	11 22	2 30	21 0	2 47	11 14	0 3	21 50	0 17	17 39	1 29	16 17	1 57	2 33	0 44	2 17	2 0	32 43	13 14	21 18	21 13	14 29		n.a.
M18	22 41	6 22	3 24	21 16	2 30	10 46	0s 2	21 57	0 18	17 41	1 29	16 15	1 57	2 33	0 44	2 18	2 0	32 43	13 14	21 18	21 14	14 26		n.a.
T 19	22 33	1 7	4 10	21 33	2 13	10 18	0 7	22 5	0 18	17 43	1 30	16 13	1 57	2 34	0 44	2 18	2 0	32 43	13 14	21 17	21 15	14 23		n.a.
W20	22 25	4n12	4 45	21 50	1 56	9 50	0 12	22 12	0 19	17 45	1 30	16 10	1 57	2 34	0 44	2 18	2 0	32 44	13 14	21 17	21 15	14 21		n.a.
T 21	22 17	9 28	5 8	22 6	1 39	9 22	0 17	22 19	0 20	17 48	1 30	16 8	1 57	2 34	0 44	2 19	2 0	32 44	13 14	21 17	21 16	14 18		n.a.
F 22	22 8	14 29	5 18	22 22	1 23	8 53	0 22	22 26	0 20	17 50	1 30	16 6	1 57	2 34	0 44	2 19	2 0	32 45	13 14	21 17	21 16	14 15		n.a.
S 23	21 59	19 0	5 11	22 38	1 6	8 25	0 28	22 32	0 21	17 52	1 31	16 4	1 57	2 35	0 44	2 19	2 0	32 45	13 15	21 17	21 17	14 12		n.a.
S 24	21 49	22 44	4 49	22 52	0 50	7 56	0 33	22 39	0 22	17 54	1 31	16 1	1 57	2 35	0 44	2 20	2 0	32 45	13 15	21 17	21 18	14 9		n.a.
M25	21 39	25 21	4 9	23 6	0 34	7 27	0 38	22 45	0 23	17 56	1 31	15 59	1 57	2 35	0 44	2 20	2 0	32 46	13 15	21 17	21 18	14 7		n.a.
T 26	21 29	26 28	3 14	23 18	0 19	6 58	0 44	22 51	0 23	17 59	1 31	15 57	1 57	2 36	0 45	2 20	2 0	32 46	13 15	21 17	21 19	14 4		n.a.
W27	21 18	25 49	2 4	23 28	0 4	6 29	0 50	22 57	0 24	18 1	1 31	15 55	1 57	2 36	0 45	2 21	2 0	32 47	13 15	21 17	21 19	14 1		n.a.
T 28	21 7	23 20	0 45	23 37	0n 9	6 0	0 56	23 3	0 25	18 3	1 32	15 52	1 57	2 37	0 45	2 21	2 0	32 47	13 15	21 17	21 20	13 58		n.a.
F 29	20 56	19 12	0s39	23 43	0 22	5 31	1 1	23 8	0 26	18 6	1 32	15 50	1 56	2 37	0 45	2 22	2 0	32 47	13 15	21 17	21 21	13 55		n.a.
S 30	20 44	13 48	2 0	23 47	0 34	5 2	1 7	23 14	0 26	18 8	1 32	15 48	1 56	2 37	0 45	2 22	2 0	32 48	13 15	21 17	21 21	13 53		n.a.
S 31	20n32	7n36	3s12	23n49	0n46	4n32	1s13	23n19	0n27	18s10	1s32	15n45	1n56	2s38	0s45	2s23	2n 0	32s48	13s15	21s17	21s22	13s50		n.a.

Julian Day Number = 1476156.5, Delta T = 05h26m42s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'51, Lahiri = -13°13'51 Julian Calendar 1 July 672 BCE == Greg. Calendar 24 June 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

AUGUST 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 9 26	0♌32'10	17♍43	15♋19	16♍50	15♊10	14°R23	23♌28	25°R 9	10♎30	2°R13	25°R45	25♑19	17♒57	n.a.	M 1
T 2	20 13 22	1°30'25	2♎12	17° 1	17°50	15°48	14♒16	23°35	25♓ 7	10°31	2♒12	25♑45	25°16	18° 3	n.a.	T 2
W 3	20 17 19	2°28'42	16°17	18°46	18°50	16°25	14° 8	23°42	25° 6	10°32	2°10	25°44	25°13	18°10	n.a.	W 3
T 4	20 21 15	3°27'01	29°58	20°34	19°49	17° 3	14° 1	23°49	25° 5	10°33	2° 9	25°D44	25°10	18°17	n.a.	T 4
F 5	20 25 12	4°25'21	13♏15	22°23	20°48	17°40	13°53	23°56	25° 4	10°34	2° 8	25°44	25° 6	18°23	n.a.	F 5
S 6	20 29 8	5°23'43	26°11	24°14	21°47	18°17	13°45	24° 3	25° 2	10°35	2° 7	25°45	25° 3	18°30	n.a.	S 6
S 7	20 33 5	6°22'07	8♐48	26° 7	22°45	18°55	13°37	24°10	25° 1	10°36	2° 5	25°45	25° 0	18°37	n.a.	S 7
M 8	20 37 1	7°20'32	21° 9	28° 0	23°42	19°32	13°29	24°17	25° 0	10°37	2° 4	25°47	24°57	18°43	n.a.	M 8
T 9	20 40 58	8°19'00	3♑19	29°54	24°40	20° 9	13°21	24°24	24°58	10°39	2° 3	25°48	24°54	18°50	n.a.	T 9
W10	20 44 55	9°17'29	15°19	1♌48	25°37	20°46	13°13	24°31	24°57	10°40	2° 2	25°48	24°51	18°57	n.a.	W10
T 11	20 48 51	10°16'00	27°13	3°42	26°33	21°23	13° 5	24°38	24°55	10°41	2° 0	25°R49	24°47	19° 3	n.a.	T 11
F 12	20 52 48	11°14'33	9♒ 3	5°36	27°29	22° 0	12°57	24°45	24°54	10°43	1°59	25°48	24°44	19°10	n.a.	F 12
S 13	20 56 44	12°13'08	20°52	7°30	28°24	22°37	12°49	24°53	24°52	10°44	1°58	25°47	24°41	19°17	n.a.	S 13
S 14	21 0 41	13°11'45	2♓41	9°23	29°19	23°13	12°41	25° 0	24°50	10°45	1°57	25°45	24°38	19°23	n.a.	S 14
M15	21 4 37	14°10'24	14°32	11°16	0♎13	23°50	12°33	25° 7	24°49	10°47	1°55	25°42	24°35	19°30	n.a.	M15
T 16	21 8 34	15° 9'05	26°29	13° 8	1° 7	24°27	12°25	25°14	24°47	10°48	1°54	25°39	24°31	19°37	n.a.	T 16
W17	21 12 30	16° 7'49	8♈33	14°59	2° 0	25° 3	12°18	25°21	24°45	10°50	1°53	25°36	24°28	19°43	n.a.	W17
T 18	21 16 27	17° 6'35	20°48	16°49	2°53	25°40	12°10	25°29	24°44	10°51	1°52	25°33	24°25	19°50	n.a.	T 18
F 19	21 20 24	18° 5'23	3♉18	18°39	3°45	26°16	12° 2	25°36	24°42	10°53	1°50	25°31	24°22	19°57	n.a.	F 19
S 20	21 24 20	19° 4'14	16° 4	20°27	4°36	26°53	11°54	25°43	24°40	10°54	1°49	25°D31	24°19	20° 3	n.a.	S 20
S 21	21 28 17	20° 3'07	29°12	22°15	5°27	27°29	11°46	25°50	24°38	10°56	1°48	25°31	24°16	20°10	n.a.	S 21
M22	21 32 13	21° 2'03	12♊44	24° 2	6°17	28° 5	11°38	25°58	24°36	10°57	1°47	25°32	24°12	20°17	n.a.	M22
T 23	21 36 10	22° 1'01	26°41	25°48	7° 6	28°42	11°30	26° 5	24°34	10°59	1°46	25°33	24° 9	20°23	n.a.	T 23
W24	21 40 6	23° 0'02	11♋ 4	27°33	7°55	29°18	11°23	26°12	24°32	11° 1	1°44	25°35	24° 6	20°30	n.a.	W24
T 25	21 44 3	23°59'05	25°50	29°17	8°43	29°54	11°15	26°20	24°30	11° 2	1°43	25°R35	24° 3	20°37	n.a.	T 25
F 26	21 47 59	24°58'10	10♌54	1♍ 0	9°30	0♋30	11° 7	26°27	24°28	11° 4	1°42	25°35	24° 0	20°43	n.a.	F 26
S 27	21 51 56	25°57'17	26° 7	2°42	10°16	1° 6	11° 0	26°34	24°26	11° 6	1°41	25°32	23°57	20°50	n.a.	S 27
S 28	21 55 53	26°56'27	11♍20	4°23	11° 1	1°41	10°53	26°42	24°24	11° 7	1°40	25°29	23°53	20°57	n.a.	S 28
M29	21 59 49	27°55'38	26°23	6° 4	11°46	2°17	10°45	26°49	24°22	11° 9	1°39	25°24	23°50	21° 3	n.a.	M29
T 30	22 3 46	28°54'52	11♎ 6	7°43	12°29	2°53	10°38	26°56	24°20	11°11	1°38	25°19	23°47	21°10	n.a.	T 30
W31	22 7 42	29♌54'07	25♎24	9♍22	13♎12	3♋28	10♒31	27♌ 3	24♓18	11♎13	1♒37	25♑15	23♑44	21♒17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	20n19	1n 5	4s10	23n49	0n56	4n 3	1s19	23n24	0n28	18s13	1s32	15n43	1n56	2s38	0s45	2s23	1n59	32s49	13s15	21s18	21s22	13s47			n.a.
T 2	20 6	5s19	4 51	23 45	1 5	3 34	1 26	23 29	0 29	18 15	1 32	15 41	1 56	2 39	0 45	2 23	1 59	32 49	13 15	21 18	21 23	13 44			n.a.
W 3	19 53	11 18	5 13	23 39	1 14	3 4	1 32	23 34	0 29	18 18	1 33	15 38	1 56	2 39	0 45	2 24	1 59	32 49	13 15	21 18	21 24	13 41			n.a.
T 4	19 39	16 33	5 17	23 31	1 21	2 35	1 38	23 38	0 30	18 20	1 33	15 36	1 56	2 40	0 45	2 24	1 59	32 50	13 15	21 18	21 24	13 38			n.a.
F 5	19 26	20 50	5 3	23 20	1 28	2 6	1 45	23 43	0 31	18 23	1 33	15 33	1 56	2 40	0 45	2 25	1 59	32 50	13 15	21 18	21 25	13 36			n.a.
S 6	19 11	24 0	4 34	23 6	1 33	1 37	1 51	23 47	0 32	18 25	1 33	15 31	1 56	2 41	0 45	2 25	1 59	32 50	13 15	21 18	21 25	13 33			n.a.
S 7	18 57	25 54	3 52	22 49	1 38	1 7	1 58	23 51	0 32	18 27	1 33	15 29	1 56	2 41	0 45	2 26	1 59	32 51	13 15	21 18	21 26	13 30			n.a.
M 8	18 42	26 29	3 1	22 31	1 42	0 38	2 4	23 55	0 33	18 30	1 33	15 26	1 56	2 42	0 45	2 27	1 59	32 51	13 15	21 17	21 27	13 27			n.a.
T 9	18 26	25 46	2 2	22 10	1 45	0 9	2 11	23 58	0 34	18 32	1 33	15 24	1 56	2 43	0 45	2 27	1 59	32 51	13 15	21 17	21 27	13 24			n.a.
W10	18 11	23 50	0 58	21 46	1 47	0s20	2 17	24 2	0 35	18 35	1 34	15 21	1 56	2 43	0 45	2 28	1 59	32 52	13 15	21 17	21 28	13 21			n.a.
T 11	17 55	20 53	0n 8	21 21	1 48	0 48	2 24	24 5	0 36	18 37	1 34	15 19	1 56	2 44	0 45	2 28	1 59	32 52	13 15	21 17	21 28	13 19			n.a.
F 12	17 39	17 5	1 13	20 54	1 49	1 17	2 31	24 8	0 36	18 39	1 34	15 17	1 56	2 45	0 45	2 29	1 59	32 52	13 15	21 17	21 29	13 16			n.a.
S 13	17 22	12 37	2 14	20 25	1 49	1 46	2 38	24 11	0 37	18 42	1 34	15 14	1 56	2 45	0 45	2 29	1 59	32 52	13 15	21 17	21 29	13 13			n.a.
S 14	17 6	7 43	3 10	19 54	1 48	2 14	2 45	24 14	0 38	18 44	1 34	15 12	1 56	2 46	0 45	2 30	1 59	32 53	13 15	21 18	21 30	13 10			n.a.
M15	16 49	2 31	3 58	19 22	1 47	2 42	2 52	24 17	0 39	18 47	1 34	15 9	1 56	2 47	0 45	2 31	1 59	32 53	13 15	21 18	21 31	13 7			n.a.
T 16	16 31	2n47	4 35	18 48	1 46	3 10	2 59	24 19	0 40	18 49	1 34	15 7	1 56	2 47	0 45	2 31	1 59	32 53	13 15	21 19	21 31	13 4			n.a.
W17	16 14	8 2	5 1	18 13	1 43	3 38	3 6	24 21	0 40	18 51	1 34	15 4	1 56	2 48	0 45	2 32	1 59	32 54	13 15	21 19	21 32	13 1			n.a.
T 18	15 56	13 4	5 14	17 37	1 41	4 6	3 13	24 23	0 41	18 54	1 34	15 2	1 56	2 49	0 45	2 32	1 59	32 54	13 15	21 20	21 32	12 59			n.a.
F 19	15 37	17 40	5 12	17 0	1 38	4 33	3 20	24 25	0 42	18 56	1 34	14 59	1 56	2 49	0 45	2 33	1 58	32 54	13 15	21 20	21 33	12 56			n.a.
S 20	15 19	21 35	4 55	16 21	1 34	5 1	3 27	24 27	0 43	18 58	1 34	14 57	1 56	2 50	0 45	2 34	1 58	32 54	13 15	21 20	21 33	12 53			n.a.
S 21	15 0	24 31	4 22	15 43	1 30	5 28	3 34	24 29	0 44	19 1	1 34	14 54	1 56	2 51	0 45	2 34	1 58	32 55	13 15	21 20	21 34	12 50			n.a.
M22	14 41	26 11	3 34	15 3	1 26	5 54	3 41	24 30	0 44	19 3	1 34	14 52	1 56	2 52	0 45	2 35	1 58	32 55	13 15	21 20	21 35	12 47			n.a.
T 23	14 22	26 16	2 32	14 22	1 21	6 21	3 48	24 31	0 45	19 5	1 34	14 49	1 57	2 53	0 45	2 36	1 58	32 55	13 15	21 20	21 35	12 44			n.a.
W24	14 3	24 37	1 19	13 41	1 17	6 47	3 55	24 33	0 46	19 7	1 34	14 47	1 57	2 53	0 45	2 36	1 58	32 55	13 15	21 20	21 36	12 41			n.a.
T 25	13 43	21 15	0s 1	13 0	1 11	7 12	4 3	24 33	0 47	19 9	1 34	14 44	1 57	2 54	0 45	2 37	1 58	32 55	13 15	21 19	21 36	12 38			n.a.
F 26	13 23	16 25	1 23	12 18	1 6	7 38	4 10	24 34	0 48	19 11	1 34	14 42	1 57	2 55	0 45	2 38	1 58	32 56	13 15	21 20	21 37	12 36			n.a.
S 27	13 3	10 29	2 40	11 36	1 0	8 3	4 17	24 35	0 48	19 14	1 34	14 39	1 57	2 56	0 45	2 39	1 58	32 56	13 15	21 20	21 37	12 33			n.a.
S 28	12 42	3 57	3 45	10 53	0 55	8 28	4 24	24 35	0 49	19 16	1 34	14 37	1 57	2 57	0 45	2 39	1 58	32 56	13 14	21 21	21 38	12 30			n.a.
M29	12 22	2s43	4 33	10 10	0 49	8 52	4 31	24 36	0 50	19 18	1 34	14 34	1 57	2 58	0 45	2 40	1 58	32 56	13 14	21 22	21 38	12 27			n.a.
T 30	12 1	9 5	5 3	9 27	0 42	9 16	4 39	24 36	0 51	19 20	1 34	14 32	1 57	2 58	0 45	2 41	1 58	32 56	13 14	21 22	21 39	12 24			n.a.
W31	11n40	14s47	5s12	8n44	0n36	9s39	4s46	24n36	0n52	19s22	1s34	14n29	1n57	2s59	0s45	2s42	1n58	32s56	13s14	21s23	21s40	12s21			n.a.

Julian Day Number = 1476187.5, Delta T = 05h26m40s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'47, Lahiri = -13°13'46 Julian Calendar 1 Aug. 672 BCE == Greg. Calendar 25 July 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

SEPTEMBER 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 11 39	0♍53'24	9♏14	11♍ 0	13♎53	4♋ 4	10°R24	27♌11	24°R15	11♎14	1°R35	25°R11	23♑41	21♒23	n.a.	T 1
F 2	22 15 35	1°52'44	22°35	12°37	14°34	4°39	10♒17	27°18	24♓13	11°16	1♒34	25♑ 9	23°37	21°30	n.a.	F 2
S 3	22 19 32	2°52'05	5♐31	14°13	15°13	5°15	10°10	27°25	24°11	11°18	1°33	25°D 9	23°34	21°37	n.a.	S 3
S 4	22 23 28	3°51'28	18° 3	15°49	15°51	5°50	10° 3	27°33	24° 9	11°20	1°32	25°10	23°31	21°43	n.a.	S 4
M 5	22 27 25	4°50'53	0♑19	17°23	16°28	6°25	9°57	27°40	24° 7	11°22	1°31	25°11	23°28	21°50	n.a.	M 5
T 6	22 31 21	5°50'20	12°21	18°57	17° 4	7° 0	9°50	27°47	24° 4	11°24	1°30	25°13	23°25	21°57	n.a.	T 6
W 7	22 35 18	6°49'49	24°14	20°31	17°39	7°35	9°44	27°54	24° 2	11°26	1°29	25°R14	23°22	22° 3	n.a.	W 7
T 8	22 39 15	7°49'20	6♒ 3	22° 3	18°12	8°10	9°38	28° 2	24° 0	11°28	1°28	25°13	23°18	22°10	n.a.	T 8
F 9	22 43 11	8°48'53	17°51	23°35	18°43	8°45	9°32	28° 9	23°57	11°30	1°27	25°10	23°15	22°17	n.a.	F 9
S 10	22 47 8	9°48'28	29°40	25° 6	19°14	9°20	9°26	28°16	23°55	11°32	1°26	25° 6	23°12	22°23	n.a.	S 10
S 11	22 51 4	10°48'04	11♓33	26°37	19°42	9°54	9°20	28°23	23°53	11°34	1°25	24°59	23° 9	22°30	n.a.	S 11
M12	22 55 1	11°47'43	23°32	28° 6	20° 9	10°29	9°15	28°30	23°50	11°36	1°25	24°50	23° 6	22°37	n.a.	M12
T 13	22 58 57	12°47'25	5♈38	29°35	20°35	11° 3	9° 9	28°38	23°48	11°38	1°24	24°41	23° 3	22°43	n.a.	T 13
W14	23 2 54	13°47'08	17°52	1♎ 4	20°59	11°38	9° 4	28°45	23°45	11°40	1°23	24°32	22°59	22°50	n.a.	W14
T 15	23 6 50	14°46'54	0♉16	2°31	21°21	12°12	8°59	28°52	23°43	11°42	1°22	24°24	22°56	22°56	n.a.	T 15
F 16	23 10 47	15°46'41	12°51	3°58	21°41	12°46	8°54	28°59	23°40	11°44	1°21	24°17	22°53	23° 3	n.a.	F 16
S 17	23 14 43	16°46'32	25°40	5°24	21°59	13°20	8°49	29° 6	23°38	11°46	1°20	24°12	22°50	23°10	n.a.	S 17
S 18	23 18 40	17°46'25	8♊46	6°49	22°15	13°54	8°45	29°13	23°36	11°48	1°19	24°10	22°47	23°16	n.a.	S 18
M19	23 22 37	18°46'20	22°10	8°14	22°30	14°28	8°40	29°20	23°33	11°50	1°19	24°D10	22°43	23°23	n.a.	M19
T 20	23 26 33	19°46'17	5♋55	9°37	22°42	15° 2	8°36	29°27	23°31	11°52	1°18	24°10	22°40	23°30	n.a.	T 20
W21	23 30 30	20°46'17	20° 2	11° 0	22°52	15°36	8°32	29°34	23°28	11°54	1°17	24°R11	22°37	23°36	n.a.	W21
T 22	23 34 26	21°46'19	4♌31	12°22	23° 0	16°10	8°28	29°41	23°26	11°56	1°16	24°11	22°34	23°43	n.a.	T 22
F 23	23 38 23	22°46'23	19°20	13°43	23° 6	16°43	8°24	29°48	23°23	11°58	1°16	24° 8	22°31	23°50	n.a.	F 23
S 24	23 42 19	23°46'30	4♍21	15° 3	23°10	17°17	8°21	29°55	23°21	12° 1	1°15	24° 3	22°28	23°56	n.a.	S 24
S 25	23 46 16	24°46'38	19°27	16°21	23°R11	17°50	8°17	0♍ 2	23°18	12° 3	1°14	23°56	22°24	24° 3	n.a.	S 25
M26	23 50 12	25°46'49	4♎29	17°39	23°10	18°23	8°14	0° 9	23°16	12° 5	1°14	23°47	22°21	24°10	n.a.	M26
T 27	23 54 9	26°47'01	19°16	18°55	23° 6	18°56	8°11	0°16	23°13	12° 7	1°13	23°36	22°18	24°16	n.a.	T 27
W28	23 58 6	27°47'15	3♏41	20° 9	23° 0	19°29	8° 9	0°22	23°11	12° 9	1°12	23°27	22°15	24°23	n.a.	W28
T 29	0 2 2	28°47'31	17°38	21°22	22°52	20° 2	8° 6	0°29	23° 9	12°12	1°12	23°19	22°12	24°30	n.a.	T 29
F 30	0 5 59	29♍47'49	1♐ 6	22♎33	22♎41	20♋35	8♒ 4	0♍36	23♓ 6	12♎14	1♒11	23♑13	22♑ 8	24♒36	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n19	19s33	5s 3	8n 0	0n30	10s 2	4s53	24n36	0n53	19s23	1s34	14n27	1n57	3s 0	0s45	2s42	1n58	32s57	13s14	21s24	21s40	12s18		n.a.
F 2	10 57	23 8	4 37	7 17	0 23	10 25	5 0	24 35	0 54	19 25	1 34	14 24	1 57	3 1	0 45	2 43	1 58	32 57	13 14	21 24	21 41	12 15		n.a.
S 3	10 36	25 26	3 58	6 33	0 17	10 47	5 7	24 35	0 54	19 27	1 34	14 22	1 57	3 2	0 45	2 44	1 58	32 57	13 14	21 24	21 41	12 12		n.a.
S 4	10 14	26 22	3 9	5 49	0 10	11 8	5 14	24 34	0 55	19 29	1 34	14 19	1 57	3 3	0 45	2 45	1 58	32 57	13 14	21 24	21 42	12 10		n.a.
M 5	9 52	25 58	2 12	5 6	0 3	11 29	5 21	24 33	0 56	19 31	1 34	14 17	1 57	3 4	0 45	2 45	1 58	32 57	13 13	21 24	21 42	12 7		n.a.
T 6	9 30	24 21	1 10	4 22	0s 4	11 49	5 28	24 32	0 57	19 32	1 34	14 15	1 57	3 5	0 45	2 46	1 58	32 57	13 13	21 24	21 43	12 4		n.a.
W 7	9 8	21 40	0 5	3 39	0 11	12 9	5 34	24 31	0 58	19 34	1 34	14 12	1 57	3 6	0 45	2 47	1 58	32 57	13 13	21 23	21 43	12 1		n.a.
T 8	8 45	18 5	0n58	2 55	0 18	12 28	5 41	24 30	0 59	19 36	1 34	14 10	1 57	3 7	0 45	2 48	1 58	32 57	13 13	21 24	21 44	11 58		n.a.
F 9	8 23	13 48	2 0	2 12	0 25	12 47	5 48	24 29	1 0	19 37	1 34	14 7	1 58	3 8	0 45	2 49	1 58	32 57	13 13	21 24	21 45	11 55		n.a.
S 10	8 0	9 1	2 55	1 29	0 32	13 4	5 54	24 27	1 1	19 39	1 33	14 5	1 58	3 9	0 45	2 49	1 58	32 58	13 13	21 25	21 45	11 52		n.a.
S 11	7 37	3 53	3 44	0 46	0 39	13 21	6 0	24 25	1 1	19 40	1 33	14 2	1 58	3 10	0 45	2 50	1 57	32 58	13 13	21 26	21 46	11 49		n.a.
M12	7 14	1n25	4 23	0 4	0 46	13 37	6 7	24 24	1 2	19 41	1 33	14 0	1 58	3 10	0 45	2 51	1 57	32 58	13 12	21 28	21 46	11 46		n.a.
T 13	6 51	6 42	4 50	0s38	0 53	13 53	6 13	24 22	1 3	19 43	1 33	13 57	1 58	3 11	0 45	2 52	1 57	32 58	13 12	21 29	21 47	11 43		n.a.
W14	6 28	11 47	5 5	1 20	1 0	14 7	6 18	24 20	1 4	19 44	1 33	13 55	1 58	3 12	0 45	2 53	1 57	32 58	13 12	21 31	21 47	11 41		n.a.
T 15	6 5	16 28	5 5	2 2	1 7	14 21	6 24	24 17	1 5	19 45	1 33	13 52	1 58	3 13	0 45	2 53	1 57	32 58	13 12	21 33	21 48	11 38		n.a.
F 16	5 41	20 31	4 51	2 43	1 13	14 34	6 30	24 15	1 6	19 47	1 33	13 50	1 58	3 14	0 45	2 54	1 57	32 58	13 12	21 34	21 48	11 35		n.a.
S 17	5 18	23 41	4 22	3 24	1 20	14 46	6 35	24 12	1 7	19 48	1 33	13 47	1 58	3 15	0 45	2 55	1 57	32 58	13 11	21 35	21 49	11 32		n.a.
S 18	4 54	25 41	3 39	4 4	1 27	14 57	6 40	24 10	1 8	19 49	1 32	13 45	1 58	3 16	0 45	2 56	1 57	32 58	13 11	21 35	21 49	11 29		n.a.
M19	4 30	26 15	2 43	4 44	1 33	15 6	6 44	24 7	1 9	19 50	1 32	13 43	1 58	3 17	0 45	2 57	1 57	32 58	13 11	21 35	21 50	11 26		n.a.
T 20	4 6	25 15	1 36	5 23	1 40	15 15	6 49	24 4	1 10	19 51	1 32	13 40	1 59	3 18	0 45	2 58	1 57	32 58	13 11	21 35	21 50	11 23		n.a.
W21	3 42	22 37	0 22	6 2	1 46	15 23	6 53	24 1	1 11	19 52	1 32	13 38	1 59	3 19	0 45	2 59	1 57	32 58	13 11	21 35	21 51	11 20		n.a.
T 22	3 18	18 31	0s55	6 40	1 52	15 29	6 57	23 58	1 12	19 53	1 32	13 35	1 59	3 20	0 45	2 59	1 57	32 58	13 10	21 35	21 52	11 17		n.a.
F 23	2 54	13 10	2 10	7 18	1 58	15 35	7 0	23 55	1 13	19 53	1 32	13 33	1 59	3 21	0 45	3 0	1 57	32 58	13 10	21 35	21 52	11 14		n.a.
S 24	2 30	6 59	3 17	7 54	2 4	15 39	7 3	23 52	1 14	19 54	1 31	13 31	1 59	3 22	0 45	3 1	1 57	32 58	13 10	21 36	21 53	11 11		n.a.
S 25	2 6	0 23	4 11	8 30	2 9	15 42	7 6	23 48	1 15	19 55	1 31	13 28	1 59	3 23	0 45	3 2	1 57	32 58	13 10	21 37	21 53	11 8		n.a.
M26	1 42	6s11	4 47	9 5	2 15	15 43	7 8	23 44	1 16	19 56	1 31	13 26	1 59	3 24	0 45	3 3	1 57	32 58	13 10	21 39	21 54	11 6		n.a.
T 27	1 18	12 18	5 3	9 40	2 20	15 43	7 9	23 41	1 16	19 56	1 31	13 24	1 59	3 25	0 45	3 4	1 57	32 57	13 9	21 41	21 54	11 3		n.a.
W28	0 54	17 35	4 59	10 13	2 25	15 42	7 10	23 37	1 17	19 57	1 31	13 21	2 0	3 26	0 45	3 5	1 57	32 57	13 9	21 43	21 55	11 0		n.a.
T 29	0 29	21 45	4 37	10 45	2 29	15 39	7 11	23 33	1 18	19 57	1 31	13 19	2 0	3 27	0 45	3 6	1 57	32 57	13 9	21 44	21 55	10 57		n.a.
F 30	0n 5	24s35	4s 0	11s16	2s33	15s35	7s10	23n29	1n19	19s58	1s30	13n17	2n 0	3s28	0s45	3s 6	1n57	32s57	13s 9	21s45	21s56	10s54		n.a.

Julian Day Number = 1476218.5, Delta T = 05h26m39s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'43, Lahiri = -13°13'42 Julian Calendar 1 Sept. 672 BCE == Greg. Calendar 25 Aug. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

OCTOBER 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 9 55	0♎48'08	14♐ 5	23♎42	22°R28	21♋ 7	8°R 2	0♍42	23°R 4	12♎16	1°R11	23°R 9	22♑ 5	24♒43	n.a.	S 1
S 2	0 13 52	1°48'29	26°41	24°49	22♎12	21°40	8♒ 0	0°49	23♓ 1	12°18	1♒10	23°D 8	22° 2	24°50	n.a.	S 2
M 3	0 17 48	2°48'52	8♑56	25°54	21°54	22°12	7°58	0°56	22°59	12°20	1°10	23♑ 8	21°59	24°56	n.a.	M 3
T 4	0 21 45	3°49'16	20°56	26°55	21°34	22°45	7°57	1° 2	22°56	12°23	1° 9	23°R 8	21°56	25° 3	n.a.	T 4
W 5	0 25 41	4°49'41	2♒48	27°54	21°11	23°17	7°55	1° 9	22°54	12°25	1° 9	23° 8	21°53	25°10	n.a.	W 5
T 6	0 29 38	5°50'08	14°35	28°49	20°46	23°49	7°54	1°15	22°52	12°27	1° 8	23° 5	21°49	25°17	n.a.	T 6
F 7	0 33 35	6°50'37	26°24	29°39	20°20	24°21	7°53	1°22	22°49	12°29	1° 8	23° 1	21°46	25°23	n.a.	F 7
S 8	0 37 31	7°51'07	8♓16	0♏26	19°51	24°52	7°53	1°28	22°47	12°32	1° 8	22°53	21°43	25°30	n.a.	S 8
S 9	0 41 28	8°51'38	20°15	1° 8	19°21	25°24	7°52	1°34	22°45	12°34	1° 7	22°43	21°40	25°37	n.a.	S 9
M10	0 45 24	9°52'11	2♈24	1°44	18°49	25°56	7°52	1°41	22°42	12°36	1° 7	22°30	21°37	25°43	n.a.	M10
T 11	0 49 21	10°52'46	14°43	2°13	18°16	26°27	7°D52	1°47	22°40	12°38	1° 7	22°16	21°34	25°50	n.a.	T 11
W12	0 53 17	11°53'23	27°12	2°36	17°41	26°58	7°52	1°53	22°38	12°41	1° 6	22° 2	21°30	25°57	n.a.	W12
T 13	0 57 14	12°54'01	9♉53	2°52	17° 6	27°29	7°52	1°59	22°35	12°43	1° 6	21°50	21°27	26° 3	n.a.	T 13
F 14	1 1 10	13°54'41	22°44	2°R59	16°30	28° 0	7°53	2° 5	22°33	12°45	1° 6	21°39	21°24	26°10	n.a.	F 14
S 15	1 5 7	14°55'22	5♊46	2°56	15°54	28°31	7°53	2°11	22°31	12°47	1° 6	21°31	21°21	26°17	n.a.	S 15
S 16	1 9 3	15°56'06	18°59	2°44	15°18	29° 2	7°54	2°17	22°29	12°50	1° 5	21°26	21°18	26°23	n.a.	S 16
M17	1 13 0	16°56'51	2♋26	2°22	14°41	29°32	7°56	2°23	22°26	12°52	1° 5	21°24	21°14	26°30	n.a.	M17
T 18	1 16 57	17°57'38	16° 6	1°50	14° 5	0♌ 2	7°57	2°29	22°24	12°54	1° 5	21°24	21°11	26°37	n.a.	T 18
W19	1 20 53	18°58'27	0♌ 2	1° 6	13°30	0°33	7°58	2°35	22°22	12°56	1° 5	21°24	21° 8	26°43	n.a.	W19
T 20	1 24 50	19°59'17	14°14	0°13	12°55	1° 3	8° 0	2°40	22°20	12°59	1° 5	21°23	21° 5	26°50	n.a.	T 20
F 21	1 28 46	21° 0'09	28°40	29♎10	12°22	1°32	8° 2	2°46	22°18	13° 1	1° 5	21°19	21° 2	26°57	n.a.	F 21
S 22	1 32 43	22° 1'03	13♍18	27°59	11°50	2° 2	8° 4	2°52	22°16	13° 3	1° 5	21°13	20°59	27° 3	n.a.	S 22
S 23	1 36 39	23° 1'58	28° 2	26°42	11°19	2°32	8° 7	2°57	22°14	13° 5	1°D 5	21° 4	20°55	27°10	n.a.	S 23
M24	1 40 36	24° 2'54	12♎45	25°21	10°50	3° 1	8° 9	3° 3	22°12	13° 8	1° 5	20°53	20°52	27°17	n.a.	M24
T 25	1 44 32	25° 3'52	27°19	23°58	10°23	3°30	8°12	3° 8	22°10	13°10	1° 5	20°40	20°49	27°23	n.a.	T 25
W26	1 48 29	26° 4'51	11♏36	22°38	9°57	3°59	8°15	3°13	22° 8	13°12	1° 5	20°28	20°46	27°30	n.a.	W26
T 27	1 52 26	27° 5'51	25°30	21°21	9°34	4°28	8°18	3°19	22° 6	13°14	1° 5	20°17	20°43	27°37	n.a.	T 27
F 28	1 56 22	28° 6'52	8♐59	20°11	9°13	4°56	8°22	3°24	22° 4	13°16	1° 5	20° 9	20°40	27°43	n.a.	F 28
S 29	2 0 19	29° 7'54	22° 2	19°10	8°55	5°25	8°25	3°29	22° 2	13°19	1° 5	20° 4	20°36	27°50	n.a.	S 29
S 30	2 4 15	0♏ 8'57	4♑40	18°19	8°38	5°53	8°29	3°34	22° 1	13°21	1° 6	20° 1	20°33	27°57	n.a.	S 30
M31	2 8 12	1♏10'01	16♑58	17♎39	8♎25	6♌21	8♒33	3♍39	21♓59	13♎23	1♒ 6	20°D 0	20♑30	28♒ 3	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s19	26s 0	3s12	11s45	2s37	15s29	7s10	23n25	1n20	19s58	1s30	13n15	2n 0	3s29	0s45	3s 7	1n57	32s57	13s 8	21s46	21s56	10s51		n.a.
S 2	0 44	26 0	2 16	12 13	2 40	15 22	7 8	23 21	1 22	19 58	1 30	13 12	2 0	3 30	0 45	3 8	1 57	32 57	13 8	21 46	21 57	10 48		n.a.
M 3	1 8	24 43	1 15	12 40	2 43	15 13	7 6	23 16	1 23	19 59	1 30	13 10	2 0	3 31	0 45	3 9	1 57	32 57	13 8	21 46	21 57	10 45		n.a.
T 4	1 32	22 19	0 12	13 5	2 45	15 2	7 3	23 12	1 24	19 59	1 30	13 8	2 0	3 32	0 45	3 10	1 57	32 57	13 8	21 46	21 58	10 42		n.a.
W 5	1 57	18 59	0n51	13 28	2 47	14 50	7 0	23 8	1 25	19 59	1 29	13 6	2 1	3 33	0 45	3 11	1 57	32 57	13 7	21 46	21 58	10 39		n.a.
T 6	2 21	14 55	1 51	13 49	2 48	14 37	6 55	23 3	1 26	19 59	1 29	13 3	2 1	3 34	0 45	3 12	1 57	32 56	13 7	21 46	21 59	10 36		n.a.
F 7	2 45	10 17	2 47	14 7	2 48	14 22	6 50	22 58	1 27	19 59	1 29	13 1	2 1	3 35	0 45	3 13	1 57	32 56	13 7	21 47	21 59	10 33		n.a.
S 8	3 9	5 16	3 35	14 24	2 48	14 5	6 44	22 54	1 28	19 59	1 29	12 59	2 1	3 36	0 45	3 14	1 57	32 56	13 7	21 48	22 0	10 30		n.a.
S 9	3 34	0 2	4 14	14 37	2 46	13 47	6 37	22 49	1 29	19 59	1 29	12 57	2 1	3 37	0 45	3 14	1 57	32 56	13 6	21 50	22 0	10 27		n.a.
M10	3 58	5n16	4 42	14 48	2 44	13 28	6 30	22 44	1 30	19 59	1 28	12 55	2 1	3 38	0 45	3 15	1 57	32 56	13 6	21 52	22 1	10 24		n.a.
T 11	4 22	10 26	4 58	14 55	2 40	13 7	6 22	22 39	1 31	19 59	1 28	12 53	2 2	3 38	0 45	3 16	1 57	32 56	13 6	21 54	22 1	10 22		n.a.
W12	4 46	15 15	4 59	14 59	2 36	12 45	6 12	22 34	1 32	19 58	1 28	12 51	2 2	3 39	0 45	3 17	1 57	32 55	13 5	21 57	22 2	10 19		n.a.
T 13	5 10	19 29	4 46	14 58	2 30	12 22	6 2	22 29	1 33	19 58	1 28	12 49	2 2	3 40	0 45	3 18	1 57	32 55	13 5	21 59	22 2	10 16		n.a.
F 14	5 34	22 52	4 18	14 54	2 22	11 58	5 52	22 24	1 34	19 58	1 27	12 46	2 2	3 41	0 45	3 19	1 57	32 55	13 5	22 1	22 3	10 13		n.a.
S 15	5 58	25 7	3 36	14 45	2 13	11 34	5 40	22 18	1 35	19 57	1 27	12 44	2 2	3 42	0 45	3 20	1 57	32 55	13 5	22 2	22 3	10 10		n.a.
S 16	6 21	26 0	2 42	14 31	2 3	11 8	5 28	22 13	1 37	19 57	1 27	12 42	2 2	3 43	0 45	3 21	1 57	32 55	13 4	22 2	22 4	10 7		n.a.
M17	6 45	25 24	1 38	14 12	1 51	10 42	5 16	22 8	1 38	19 56	1 27	12 40	2 3	3 44	0 45	3 22	1 57	32 54	13 4	22 3	22 4	10 4		n.a.
T 18	7 9	23 15	0 28	13 47	1 37	10 16	5 2	22 2	1 39	19 56	1 27	12 38	2 3	3 45	0 45	3 22	1 57	32 54	13 4	22 3	22 5	10 1		n.a.
W19	7 32	19 41	0s46	13 18	1 21	9 49	4 49	21 57	1 40	19 55	1 26	12 37	2 3	3 45	0 45	3 23	1 57	32 54	13 4	22 3	22 5	9 58		n.a.
T 20	7 55	14 55	1 58	12 43	1 4	9 22	4 34	21 51	1 41	19 55	1 26	12 35	2 3	3 46	0 45	3 24	1 57	32 54	13 3	22 3	22 6	9 55		n.a.
F 21	8 19	9 15	3 3	12 3	0 46	8 56	4 20	21 46	1 42	19 54	1 26	12 33	2 3	3 47	0 45	3 25	1 57	32 53	13 3	22 4	22 6	9 52		n.a.
S 22	8 42	3 0	3 58	11 19	0 26	8 29	4 5	21 40	1 43	19 53	1 26	12 31	2 4	3 48	0 45	3 26	1 57	32 53	13 3	22 5	22 7	9 49		n.a.
S 23	9 5	3s26	4 37	10 32	0 6	8 3	3 50	21 34	1 45	19 52	1 25	12 29	2 4	3 49	0 45	3 27	1 57	32 53	13 2	22 6	22 7	9 46		n.a.
M24	9 27	9 39	4 57	9 43	0n15	7 37	3 34	21 29	1 46	19 51	1 25	12 27	2 4	3 49	0 45	3 28	1 57	32 53	13 2	22 8	22 8	9 43		n.a.
T 25	9 50	15 17	4 58	8 53	0 35	7 12	3 19	21 23	1 47	19 50	1 25	12 25	2 4	3 50	0 45	3 28	1 57	32 52	13 2	22 10	22 8	9 40		n.a.
W26	10 13	19 57	4 40	8 4	0 55	6 48	3 3	21 17	1 48	19 49	1 25	12 24	2 4	3 51	0 45	3 29	1 57	32 52	13 2	22 12	22 9	9 37		n.a.
T 27	10 35	23 23	4 6	7 18	1 14	6 25	2 48	21 11	1 50	19 48	1 25	12 22	2 5	3 52	0 45	3 30	1 57	32 52	13 1	22 13	22 9	9 34		n.a.
F 28	10 57	25 23	3 19	6 36	1 31	6 2	2 32	21 5	1 51	19 47	1 24	12 20	2 5	3 52	0 45	3 31	1 57	32 51	13 1	22 14	22 10	9 31		n.a.
S 29	11 19	25 54	2 22	5 58	1 46	5 40	2 17	21 0	1 52	19 46	1 24	12 18	2 5	3 53	0 45	3 32	1 57	32 51	13 1	22 15	22 10	9 28		n.a.
S 30	11 41	25 2	1 20	5 26	2 0	5 20	2 2	20 54	1 53	19 45	1 24	12 17	2 5	3 54	0 45	3 33	1 57	32 51	13 0	22 16	22 11	9 25		n.a.
M31	12s 3	22s57	0s16	5s 0	2n11	5s 1	1s47	20n48	1n55	19s43	1s24	12n15	2n 5	3s54	0s45	3s34	1n57	32s50	13s 0	22s16	22s11	9s22		n.a.

Julian Day Number = 1476248.5, Delta T = 05h26m37s
Ecliptic obliquity = 23°46'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'39, Lahiri = -13°13'38 Julian Calendar 1 Oct. 672 BCE == Greg. Calendar 24 Sept. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

NOVEMBER 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 12 8	2♏11'06	29♉ 1	17°R10	8°R13	6♌48	8♒37	3♍44	21°R57	13♎25	1♒ 6	20°R 0	20♉27	28♒10	n.a.	T 1
W 2	2 16 5	3°12'11	10♒54	16♎53	8♎ 4	7°16	8°41	3°49	21♓55	13°27	1° 6	20♉ 0	20°24	28°17	n.a.	W 2
T 3	2 20 2	4°13'16	22°42	16°D47	7°58	7°43	8°46	3°54	21°54	13°29	1° 7	19°58	20°20	28°23	n.a.	T 3
F 4	2 23 58	5°14'23	4♓32	16°51	7°54	8°10	8°51	3°58	21°52	13°32	1° 7	19°55	20°17	28°30	n.a.	F 4
S 5	2 27 55	6°15'30	16°27	17° 5	7°D52	8°37	8°55	4° 3	21°51	13°34	1° 7	19°48	20°14	28°37	n.a.	S 5
S 6	2 31 51	7°16'37	28°32	17°28	7°53	9° 4	9° 1	4° 8	21°49	13°36	1° 8	19°39	20°11	28°43	n.a.	S 6
M 7	2 35 48	8°17'46	10♈49	17°59	7°56	9°30	9° 6	4°12	21°48	13°38	1° 8	19°27	20° 8	28°50	n.a.	M 7
T 8	2 39 44	9°18'54	23°21	18°37	8° 2	9°56	9°11	4°16	21°46	13°40	1° 8	19°15	20° 5	28°57	n.a.	T 8
W 9	2 43 41	10°20'04	6♉ 7	19°22	8°10	10°22	9°17	4°21	21°45	13°42	1° 9	19° 2	20° 1	29° 3	n.a.	W 9
T 10	2 47 37	11°21'14	19° 8	20°12	8°20	10°48	9°23	4°25	21°43	13°44	1° 9	18°50	19°58	29°10	n.a.	T 10
F 11	2 51 34	12°22'25	2♊21	21° 7	8°33	11°14	9°29	4°29	21°42	13°46	1°10	18°40	19°55	29°17	n.a.	F 11
S 12	2 55 31	13°23'37	15°45	22° 7	8°48	11°39	9°35	4°33	21°41	13°48	1°10	18°33	19°52	29°23	n.a.	S 12
S 13	2 59 27	14°24'49	29°20	23°10	9° 4	12° 4	9°41	4°37	21°40	13°50	1°11	18°29	19°49	29°30	n.a.	S 13
M14	3 3 24	15°26'02	13♋ 2	24°17	9°23	12°28	9°48	4°41	21°38	13°52	1°11	18°D27	19°45	29°37	n.a.	M14
T 15	3 7 20	16°27'16	26°52	25°26	9°44	12°53	9°54	4°45	21°37	13°54	1°12	18°27	19°42	29°43	n.a.	T 15
W16	3 11 17	17°28'31	10♌50	26°39	10° 7	13°17	10° 1	4°48	21°36	13°56	1°13	18°R28	19°39	29°50	n.a.	W16
T 17	3 15 13	18°29'46	24°54	27°53	10°32	13°41	10° 8	4°52	21°35	13°58	1°13	18°28	19°36	29°57	n.a.	T 17
F 18	3 19 10	19°31'01	9♍ 5	29°10	10°58	14° 4	10°15	4°56	21°34	14° 0	1°14	18°26	19°33	0♓ 3	n.a.	F 18
S 19	3 23 6	20°32'18	23°20	0♏28	11°26	14°27	10°22	4°59	21°33	14° 2	1°15	18°22	19°30	0°10	n.a.	S 19
S 20	3 27 3	21°33'35	7♎37	1°47	11°56	14°50	10°30	5° 2	21°32	14° 4	1°15	18°15	19°26	0°17	n.a.	S 20
M21	3 31 0	22°34'52	21°52	3° 8	12°27	15°13	10°37	5° 6	21°31	14° 6	1°16	18° 7	19°23	0°24	n.a.	M21
T 22	3 34 56	23°36'10	5♏59	4°31	13° 0	15°35	10°45	5° 9	21°31	14° 8	1°17	17°57	19°20	0°30	n.a.	T 22
W23	3 38 53	24°37'28	19°53	5°54	13°35	15°57	10°53	5°12	21°30	14° 9	1°18	17°48	19°17	0°37	n.a.	W23
T 24	3 42 49	25°38'46	3♐31	7°18	14°10	16°19	11° 1	5°15	21°29	14°11	1°18	17°39	19°14	0°44	n.a.	T 24
F 25	3 46 46	26°40'05	16°49	8°43	14°48	16°40	11° 9	5°18	21°29	14°13	1°19	17°33	19°11	0°50	n.a.	F 25
S 26	3 50 42	27°41'23	29°46	10° 9	15°26	17° 1	11°18	5°20	21°28	14°15	1°20	17°29	19° 7	0°57	n.a.	S 26
S 27	3 54 39	28°42'41	12♑23	11°36	16° 6	17°21	11°26	5°23	21°27	14°16	1°21	17°D27	19° 4	1° 4	n.a.	S 27
M28	3 58 36	29°43'59	24°41	13° 3	16°47	17°41	11°35	5°26	21°27	14°18	1°22	17°27	19° 1	1°10	n.a.	M28
T 29	4 2 32	0♐45'17	6♒46	14°31	17°29	18° 1	11°44	5°28	21°26	14°20	1°23	17°29	18°58	1°17	n.a.	T 29
W30	4 6 29	1♐46'34	18♒40	15♏59	18♎12	18♌21	11♒53	5♍30	21♓26	14♎22	1♒24	17♉30	18♉55	1♓24	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s24	19s52	0n48	4s41	2n20	4s42	1s32	20n42	1n56	19s42	1s23	12n13	2n 6	3s55	0s45	3s34	1n57	32s50	13s 0	22s16	22s12	9s19		n.a.
W 2	12 45	16 0	1 48	4 27	2 28	4 26	1 17	20 36	1 57	19 41	1 23	12 12	2 6	3 56	0 45	3 35	1 57	32 50	13 0	22 16	22 12	9 16		n.a.
T 3	13 6	11 33	2 44	4 20	2 33	4 10	1 3	20 30	1 59	19 39	1 23	12 10	2 6	3 56	0 45	3 36	1 57	32 49	12 59	22 16	22 13	9 13		n.a.
F 4	13 27	6 41	3 33	4 18	2 37	3 56	0 49	20 24	2 0	19 38	1 23	12 9	2 6	3 57	0 45	3 37	1 57	32 49	12 59	22 17	22 13	9 10		n.a.
S 5	13 48	1 33	4 13	4 22	2 39	3 42	0 36	20 18	2 1	19 36	1 23	12 7	2 7	3 58	0 45	3 38	1 57	32 49	12 59	22 18	22 14	9 7		n.a.
S 6	14 8	3n42	4 42	4 30	2 39	3 31	0 22	20 13	2 3	19 35	1 22	12 6	2 7	3 58	0 45	3 38	1 57	32 48	12 59	22 19	22 14	9 5		n.a.
M 7	14 28	8 54	4 58	4 42	2 39	3 20	0 10	20 7	2 4	19 33	1 22	12 4	2 7	3 59	0 45	3 39	1 57	32 48	12 58	22 21	22 15	9 2		n.a.
T 8	14 48	13 50	5 1	4 59	2 37	3 11	0n 3	20 1	2 5	19 32	1 22	12 3	2 7	3 59	0 45	3 40	1 57	32 48	12 58	22 22	22 15	8 59		n.a.
W 9	15 8	18 16	4 48	5 18	2 35	3 3	0 15	19 55	2 7	19 30	1 22	12 2	2 7	4 0	0 44	3 41	1 57	32 47	12 58	22 24	22 16	8 56		n.a.
T 10	15 27	21 56	4 21	5 40	2 31	2 57	0 27	19 49	2 8	19 28	1 22	12 0	2 8	4 0	0 44	3 42	1 57	32 47	12 57	22 26	22 16	8 53		n.a.
F 11	15 46	24 30	3 39	6 5	2 27	2 51	0 38	19 43	2 9	19 26	1 21	11 59	2 8	4 1	0 44	3 42	1 57	32 46	12 57	22 27	22 17	8 50		n.a.
S 12	16 5	25 44	2 45	6 32	2 22	2 47	0 49	19 38	2 11	19 24	1 21	11 58	2 8	4 1	0 44	3 43	1 57	32 46	12 57	22 28	22 17	8 47		n.a.
S 13	16 23	25 27	1 40	7 0	2 17	2 45	0 59	19 32	2 12	19 22	1 21	11 56	2 8	4 2	0 44	3 44	1 57	32 46	12 57	22 29	22 17	8 44		n.a.
M14	16 42	23 36	0 29	7 30	2 12	2 43	1 9	19 26	2 14	19 20	1 21	11 55	2 9	4 2	0 44	3 45	1 58	32 45	12 56	22 29	22 18	8 41		n.a.
T 15	16 59	20 21	0s45	8 2	2 5	2 42	1 19	19 21	2 15	19 18	1 20	11 54	2 9	4 3	0 44	3 45	1 58	32 45	12 56	22 29	22 18	8 38		n.a.
W16	17 17	15 54	1 57	8 34	1 59	2 43	1 28	19 15	2 17	19 16	1 20	11 53	2 9	4 3	0 44	3 46	1 58	32 44	12 56	22 29	22 19	8 35		n.a.
T 17	17 34	10 33	3 2	9 7	1 52	2 45	1 37	19 9	2 18	19 14	1 20	11 52	2 9	4 3	0 44	3 47	1 58	32 44	12 55	22 29	22 19	8 32		n.a.
F 18	17 51	4 38	3 57	9 41	1 46	2 47	1 45	19 4	2 20	19 12	1 20	11 51	2 10	4 4	0 44	3 48	1 58	32 44	12 55	22 29	22 20	8 29		n.a.
S 19	18 8	1s33	4 37	10 15	1 39	2 51	1 53	18 58	2 21	19 10	1 20	11 50	2 10	4 4	0 44	3 48	1 58	32 43	12 55	22 30	22 20	8 26		n.a.
S 20	18 25	7 39	5 0	10 50	1 31	2 56	2 1	18 53	2 23	19 8	1 20	11 49	2 10	4 4	0 44	3 49	1 58	32 43	12 55	22 31	22 21	8 23		n.a.
M21	18 41	13 20	5 4	11 25	1 24	3 1	2 8	18 48	2 24	19 5	1 19	11 48	2 10	4 5	0 44	3 50	1 58	32 42	12 54	22 32	22 21	8 20		n.a.
T 22	18 56	18 15	4 50	12 0	1 17	3 8	2 15	18 42	2 26	19 3	1 19	11 47	2 11	4 5	0 44	3 50	1 58	32 42	12 54	22 33	22 22	8 17		n.a.
W23	19 12	22 7	4 19	12 35	1 9	3 15	2 22	18 37	2 28	19 1	1 19	11 46	2 11	4 5	0 44	3 51	1 58	32 41	12 54	22 34	22 22	8 14		n.a.
T 24	19 27	24 39	3 34	13 10	1 2	3 23	2 28	18 32	2 29	18 58	1 19	11 45	2 11	4 6	0 44	3 52	1 58	32 41	12 54	22 36	22 23	8 11		n.a.
F 25	19 41	25 43	2 37	13 45	0 54	3 32	2 34	18 27	2 31	18 56	1 19	11 44	2 12	4 6	0 44	3 52	1 58	32 41	12 53	22 36	22 23	8 8		n.a.
S 26	19 55	25 20	1 34	14 20	0 47	3 42	2 40	18 22	2 32	18 53	1 18	11 43	2 12	4 6	0 44	3 53	1 58	32 40	12 53	22 37	22 23	8 5		n.a.
S 27	20 9	23 39	0 27	14 54	0 39	3 53	2 45	18 17	2 34	18 51	1 18	11 43	2 12	4 6	0 44	3 54	1 58	32 40	12 53	22 37	22 24	8 2		n.a.
M28	20 23	20 51	0n39	15 28	0 32	4 4	2 50	18 13	2 36	18 48	1 18	11 42	2 12	4 6	0 44	3 54	1 58	32 39	12 53	22 37	22 24	7 59		n.a.
T 29	20 36	17 11	1 43	16 2	0 25	4 16	2 55	18 8	2 37	18 45	1 18	11 41	2 13	4 7	0 44	3 55	1 58	32 39	12 52	22 37	22 25	7 56		n.a.
W30	20s48	12s54	2n41	16s35	0n17	4s28	2n59	18n 4	2n39	18s43	1s18	11n41	2n13	4s 7	0s44	3s56	1n58	32s38	12s52	22s37	22s25	7s53		n.a.

Julian Day Number = 1476279.5, Delta T = 05h26m36s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'34, Lahiri = -13°13'34 Julian Calendar 1 Nov. 672 BCE == Greg. Calendar 25 Oct. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 672 BCE
geocentric

DECEMBER 672 BCE (-671) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 10 25	2♐47'50	0♓30	17♏28	18♎56	18♌40	12♒ 2	5♍33	21°R26	14♎23	1♒25	17°R31	18♑51	1♓30	n.a.	T 1
F 2	4 14 22	3°49'06	12°21	18°57	19°41	18°58	12°11	5°35	21♓25	14°25	1°26	17♑30	18°48	1°37	n.a.	F 2
S 3	4 18 18	4°50'22	24°17	20°27	20°27	19°16	12°20	5°37	21°25	14°26	1°27	17°28	18°45	1°44	n.a.	S 3
S 4	4 22 15	5°51'37	6♈24	21°57	21°14	19°34	12°30	5°39	21°25	14°28	1°28	17°24	18°42	1°50	n.a.	S 4
M 5	4 26 11	6°52'52	18°45	23°28	22° 2	19°52	12°39	5°41	21°25	14°30	1°29	17°18	18°39	1°57	n.a.	M 5
T 6	4 30 8	7°54'06	1♉23	24°59	22°51	20° 8	12°49	5°43	21°25	14°31	1°30	17°12	18°36	2° 4	n.a.	T 6
W 7	4 34 5	8°55'19	14°21	26°31	23°41	20°25	12°59	5°44	21°D25	14°33	1°31	17° 4	18°32	2°10	n.a.	W 7
T 8	4 38 1	9°56'32	27°38	28° 3	24°32	20°41	13° 9	5°46	21°25	14°34	1°32	16°58	18°29	2°17	n.a.	T 8
F 9	4 41 58	10°57'44	11♊13	29°36	25°23	20°57	13°19	5°47	21°25	14°36	1°33	16°52	18°26	2°24	n.a.	F 9
S 10	4 45 54	11°58'56	25° 3	1♐ 9	26°15	21°12	13°29	5°49	21°25	14°37	1°34	16°49	18°23	2°30	n.a.	S 10
S 11	4 49 51	13° 0'07	9♋ 5	2°42	27° 8	21°26	13°39	5°50	21°25	14°38	1°35	16°47	18°20	2°37	n.a.	S 11
M12	4 53 47	14° 1'18	23°15	4°16	28° 2	21°40	13°50	5°51	21°25	14°40	1°37	16°D47	18°17	2°44	n.a.	M12
T 13	4 57 44	15° 2'29	7♌28	5°51	28°56	21°54	14° 0	5°52	21°25	14°41	1°38	16°48	18°13	2°51	n.a.	T 13
W14	5 1 41	16° 3'39	21°43	7°26	29°51	22° 7	14°11	5°53	21°26	14°42	1°39	16°50	18°10	2°57	n.a.	W14
T 15	5 5 37	17° 4'48	5♍56	9° 1	0♏46	22°20	14°22	5°54	21°26	14°44	1°40	16°51	18° 7	3° 4	n.a.	T 15
F 16	5 9 34	18° 5'57	20° 5	10°37	1°42	22°32	14°33	5°55	21°27	14°45	1°41	16°R51	18° 4	3°11	n.a.	F 16
S 17	5 13 30	19° 7'05	4♎ 9	12°14	2°39	22°43	14°44	5°55	21°27	14°46	1°43	16°50	18° 1	3°17	n.a.	S 17
S 18	5 17 27	20° 8'13	18° 6	13°51	3°36	22°54	14°55	5°56	21°28	14°47	1°44	16°48	17°57	3°24	n.a.	S 18
M19	5 21 23	21° 9'21	1♏54	15°29	4°34	23° 4	15° 6	5°56	21°28	14°49	1°45	16°45	17°54	3°31	n.a.	M19
T 20	5 25 20	22°10'28	15°32	17° 7	5°32	23°14	15°17	5°56	21°29	14°50	1°47	16°41	17°51	3°37	n.a.	T 20
W21	5 29 16	23°11'34	28°58	18°46	6°31	23°23	15°29	5°57	21°30	14°51	1°48	16°37	17°48	3°44	n.a.	W21
T 22	5 33 13	24°12'39	12♐11	20°25	7°30	23°32	15°40	5°R57	21°30	14°52	1°49	16°34	17°45	3°51	n.a.	T 22
F 23	5 37 10	25°13'43	25° 8	22° 6	8°29	23°40	15°52	5°57	21°31	14°53	1°51	16°32	17°42	3°57	n.a.	F 23
S 24	5 41 6	26°14'46	7♑50	23°46	9°29	23°47	16° 3	5°56	21°32	14°54	1°52	16°30	17°38	4° 4	n.a.	S 24
S 25	5 45 3	27°15'48	20°18	25°28	10°30	23°54	16°15	5°56	21°33	14°55	1°53	16°D30	17°35	4°11	n.a.	S 25
M26	5 48 59	28°16'49	2♒32	27°10	11°31	24° 0	16°27	5°56	21°34	14°56	1°55	16°31	17°32	4°17	n.a.	M26
T 27	5 52 56	29°17'48	14°34	28°53	12°32	24° 5	16°39	5°55	21°35	14°57	1°56	16°32	17°29	4°24	n.a.	T 27
W28	5 56 52	0♑18'46	26°29	0♑36	13°33	24°10	16°51	5°55	21°36	14°58	1°58	16°34	17°26	4°31	n.a.	W28
T 29	6 0 49	1°19'43	8♓19	2°21	14°35	24°14	17° 3	5°54	21°37	14°59	1°59	16°35	17°23	4°38	n.a.	T 29
F 30	6 4 45	2°20'38	20°10	4° 5	15°38	24°17	17°15	5°53	21°38	14°59	2° 1	16°36	17°19	4°44	n.a.	F 30
S 31	6 8 42	3♑21'31	2♈ 5	5♑51	16♏40	24♌20	17♒28	5♍53	21♓39	15♎ 0	2♒ 2	16°R36	17♑16	4♓51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21s 1	8s 9	3n32	17s 7	0n10	4s41	3n 4	17n59	2n41	18s40	1s17	11n40	2n13	4s 7	0s44	3s56	1n58	32s38	12s52	22s37	22s26	7s50			n.a.
F 2	21 13	3 7	4 14	17 39	0 3	4 55	3 7	17 55	2 43	18 37	1 17	11 39	2 13	4 7	0 44	3 57	1 58	32 37	12 52	22 37	22 26	7 47			n.a.
S 3	21 24	2n 3	4 45	18 11	0s 4	5 9	3 11	17 51	2 44	18 34	1 17	11 39	2 14	4 7	0 44	3 57	1 58	32 37	12 52	22 37	22 27	7 44			n.a.
S 4	21 35	7 13	5 4	18 42	0 11	5 24	3 14	17 47	2 46	18 31	1 17	11 38	2 14	4 7	0 44	3 58	1 58	32 37	12 51	22 38	22 27	7 41			n.a.
M 5	21 46	12 12	5 10	19 12	0 18	5 39	3 17	17 43	2 48	18 28	1 17	11 38	2 14	4 7	0 44	3 58	1 58	32 36	12 51	22 38	22 28	7 38			n.a.
T 6	21 56	16 48	5 0	19 41	0 25	5 55	3 20	17 39	2 50	18 26	1 17	11 38	2 15	4 7	0 43	3 59	1 59	32 36	12 51	22 39	22 28	7 35			n.a.
W 7	22 6	20 45	4 36	20 9	0 31	6 11	3 23	17 35	2 51	18 23	1 16	11 37	2 15	4 7	0 43	4 0	1 59	32 35	12 51	22 40	22 28	7 32			n.a.
T 8	22 15	23 44	3 56	20 37	0 38	6 28	3 25	17 32	2 53	18 19	1 16	11 37	2 15	4 7	0 43	4 0	1 59	32 35	12 50	22 41	22 29	7 29			n.a.
F 9	22 24	25 26	3 2	21 4	0 44	6 45	3 27	17 29	2 55	18 16	1 16	11 37	2 15	4 7	0 43	4 1	1 59	32 34	12 50	22 42	22 29	7 26			n.a.
S 10	22 33	25 37	1 56	21 30	0 50	7 2	3 29	17 25	2 57	18 13	1 16	11 36	2 16	4 7	0 43	4 1	1 59	32 34	12 50	22 42	22 30	7 23			n.a.
S 11	22 41	24 9	0 42	21 55	0 56	7 20	3 30	17 22	2 59	18 10	1 16	11 36	2 16	4 7	0 43	4 2	1 59	32 33	12 50	22 42	22 30	7 20			n.a.
M12	22 48	21 10	0s35	22 19	1 2	7 38	3 32	17 19	3 1	18 7	1 16	11 36	2 16	4 7	0 43	4 2	1 59	32 33	12 50	22 42	22 31	7 17			n.a.
T 13	22 55	16 53	1 51	22 41	1 7	7 56	3 33	17 17	3 3	18 4	1 16	11 36	2 17	4 6	0 43	4 3	1 59	32 32	12 49	22 42	22 31	7 14			n.a.
W14	23 2	11 38	3 0	23 3	1 13	8 15	3 34	17 14	3 4	18 0	1 15	11 36	2 17	4 6	0 43	4 3	1 59	32 32	12 49	22 42	22 31	7 11			n.a.
T 15	23 8	5 48	3 57	23 24	1 18	8 33	3 35	17 12	3 6	17 57	1 15	11 36	2 17	4 6	0 43	4 3	1 59	32 31	12 49	22 42	22 32	7 8			n.a.
F 16	23 14	0s18	4 40	23 43	1 23	8 52	3 35	17 10	3 8	17 54	1 15	11 36	2 17	4 6	0 43	4 4	1 59	32 31	12 49	22 42	22 32	7 5			n.a.
S 17	23 19	6 20	5 6	24 1	1 28	9 12	3 36	17 8	3 10	17 50	1 15	11 36	2 18	4 6	0 43	4 4	1 59	32 30	12 49	22 42	22 33	7 2			n.a.
S 18	23 24	12 0	5 14	24 18	1 32	9 31	3 36	17 6	3 12	17 47	1 15	11 36	2 18	4 5	0 43	4 5	1 59	32 30	12 49	22 42	22 33	6 59			n.a.
M19	23 29	17 1	5 3	24 34	1 36	9 50	3 36	17 4	3 14	17 43	1 15	11 36	2 18	4 5	0 43	4 5	1 59	32 29	12 48	22 43	22 34	6 56			n.a.
T 20	23 33	21 6	4 35	24 48	1 40	10 10	3 36	17 3	3 16	17 40	1 15	11 36	2 19	4 5	0 43	4 6	1 59	32 29	12 48	22 43	22 34	6 53			n.a.
W21	23 36	23 59	3 52	25 1	1 44	10 30	3 35	17 2	3 18	17 36	1 14	11 36	2 19	4 4	0 43	4 6	1 59	32 28	12 48	22 44	22 34	6 50			n.a.
T 22	23 39	25 31	2 58	25 12	1 47	10 49	3 35	17 1	3 20	17 33	1 14	11 37	2 19	4 4	0 43	4 6	1 59	32 28	12 48	22 44	22 35	6 47			n.a.
F 23	23 41	25 36	1 55	25 22	1 50	11 9	3 34	17 0	3 22	17 29	1 14	11 37	2 19	4 4	0 43	4 7	2 0	32 27	12 48	22 44	22 35	6 44			n.a.
S 24	23 43	24 20	0 48	25 30	1 53	11 29	3 33	16 59	3 24	17 25	1 14	11 37	2 20	4 3	0 43	4 7	2 0	32 27	12 48	22 44	22 36	6 41			n.a.
S 25	23 45	21 52	0n21	25 37	1 55	11 49	3 32	16 59	3 26	17 22	1 14	11 38	2 20	4 3	0 43	4 7	2 0	32 26	12 47	22 44	22 36	6 38			n.a.
M26	23 46	18 27	1 27	25 42	1 57	12 9	3 31	16 59	3 29	17 18	1 14	11 38	2 20	4 3	0 43	4 8	2 0	32 26	12 47	22 44	22 37	6 35			n.a.
T 27	23 46	14 19	2 29	25 45	1 59	12 29	3 30	16 59	3 31	17 14	1 14	11 38	2 21	4 2	0 43	4 8	2 0	32 26	12 47	22 44	22 37	6 32			n.a.
W28	23 47	9 41	3 24	25 46	2 0	12 49	3 29	16 59	3 33	17 10	1 14	11 39	2 21	4 2	0 43	4 8	2 0	32 25	12 47	22 44	22 37	6 29			n.a.
T 29	23 46	4 43	4 9	25 46	2 1	13 9	3 27	17 0	3 35	17 6	1 13	11 39	2 21	4 1	0 43	4 8	2 0	32 25	12 47	22 44	22 38	6 26			n.a.
F 30	23 45	0n23	4 44	25 44	2 1	13 28	3 25	17 1	3 37	17 3	1 13	11 40	2 21	4 1	0 42	4 9	2 0	32 24	12 47	22 44	22 38	6 23			n.a.
S 31	23s44	5n31	5n 7	25s40	2s 1	13s48	3n24	17n 2	3n39	16s59	1s13	11n40	2n22	4s 0	0s42	4s 9	2n 0	32s24	12s47	22s44	22s39	6s20			n.a.

Julian Day Number = 1476309.5, Delta T = 05h26m34s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'30, Lahiri = -13°13'30 Julian Calendar 1 Dec. 672 BCE == Greg. Calendar 24 Nov. 672 BCE

The year -671 astronomical counting style corresponds to year 672 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

JANUARY 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 12 39	4♑22'23	14♈10	7♑37	17♏43	24♌21	17♒40	5°R52	21♓41	15♎ 1	2♒ 3	16°R36	17♑13	4♓58	n.a.	S 1
M 2	6 16 35	5°23'13	26°30	9°24	18°46	24°23	17°53	5♍50	21°42	15° 2	2° 5	16♑35	17°10	5° 4	n.a.	M 2
T 3	6 20 32	6°24'02	9♉ 8	11°11	19°50	24°R23	18° 5	5°49	21°43	15° 2	2° 6	16°34	17° 7	5°11	n.a.	T 3
W 4	6 24 28	7°24'49	22° 8	12°59	20°53	24°23	18°18	5°48	21°45	15° 3	2° 8	16°33	17° 3	5°18	n.a.	W 4
T 5	6 28 25	8°25'34	5♊31	14°47	21°57	24°22	18°30	5°47	21°46	15° 4	2° 9	16°32	17° 0	5°24	n.a.	T 5
F 6	6 32 21	9°26'18	19°18	16°36	23° 2	24°20	18°43	5°45	21°48	15° 4	2°11	16°31	16°57	5°31	n.a.	F 6
S 7	6 36 18	10°27'00	3♋26	18°25	24° 6	24°17	18°56	5°44	21°49	15° 5	2°13	16°30	16°54	5°38	n.a.	S 7
S 8	6 40 15	11°27'41	17°52	20°14	25°11	24°14	19° 9	5°42	21°51	15° 5	2°14	16°D30	16°51	5°44	n.a.	S 8
M 9	6 44 11	12°28'20	2♌30	22° 3	26°16	24°10	19°22	5°40	21°52	15° 6	2°16	16°30	16°48	5°51	n.a.	M 9
T 10	6 48 8	13°28'58	17°13	23°52	27°21	24° 5	19°35	5°38	21°54	15° 6	2°17	16°31	16°44	5°58	n.a.	T 10
W11	6 52 4	14°29'34	1♍54	25°40	28°27	23°59	19°48	5°36	21°56	15° 7	2°19	16°31	16°41	6° 5	n.a.	W11
T 12	6 56 1	15°30'08	16°29	27°28	29°33	23°53	20° 1	5°34	21°57	15° 7	2°20	16°31	16°38	6°11	n.a.	T 12
F 13	6 59 57	16°30'41	0♎51	29°15	0♐39	23°45	20°14	5°32	21°59	15° 7	2°22	16°R31	16°35	6°18	n.a.	F 13
S 14	7 3 54	17°31'13	14°58	1♒ 1	1°45	23°37	20°27	5°30	22° 1	15° 8	2°24	16°D31	16°32	6°25	n.a.	S 14
S 15	7 7 50	18°31'44	28°49	2°45	2°51	23°29	20°41	5°27	22° 3	15° 8	2°25	16°31	16°29	6°31	n.a.	S 15
M16	7 11 47	19°32'13	12♏23	4°27	3°58	23°19	20°54	5°25	22° 5	15° 8	2°27	16°31	16°25	6°38	n.a.	M16
T 17	7 15 44	20°32'40	25°40	6° 6	5° 5	23° 9	21° 8	5°22	22° 7	15° 9	2°28	16°32	16°22	6°45	n.a.	T 17
W18	7 19 40	21°33'06	8♐43	7°42	6°11	22°57	21°21	5°20	22° 9	15° 9	2°30	16°32	16°19	6°51	n.a.	W18
T 19	7 23 37	22°33'31	21°31	9°15	7°19	22°46	21°35	5°17	22°11	15° 9	2°32	16°33	16°16	6°58	n.a.	T 19
F 20	7 27 33	23°33'54	4♑ 6	10°43	8°26	22°33	21°48	5°14	22°13	15° 9	2°33	16°33	16°13	7° 5	n.a.	F 20
S 21	7 31 30	24°34'15	16°30	12° 7	9°33	22°19	22° 2	5°11	22°15	15° 9	2°35	16°R33	16° 9	7°11	n.a.	S 21
S 22	7 35 26	25°34'34	28°44	13°25	10°41	22° 5	22°15	5° 8	22°17	15° 9	2°36	16°33	16° 6	7°18	n.a.	S 22
M23	7 39 23	26°34'51	10♒49	14°37	11°48	21°50	22°29	5° 5	22°20	15°R 9	2°38	16°32	16° 3	7°25	n.a.	M23
T 24	7 43 19	27°35'06	22°47	15°42	12°56	21°35	22°43	5° 2	22°22	15° 9	2°40	16°31	16° 0	7°32	n.a.	T 24
W25	7 47 16	28°35'20	4♓40	16°39	14° 4	21°18	22°57	4°59	22°24	15° 9	2°41	16°29	15°57	7°38	n.a.	W25
T 26	7 51 13	29°35'31	16°30	17°29	15°12	21° 1	23°11	4°56	22°27	15° 9	2°43	16°27	15°54	7°45	n.a.	T 26
F 27	7 55 9	0♒35'39	28°20	18°11	16°20	20°44	23°24	4°53	22°29	15° 9	2°45	16°25	15°50	7°52	n.a.	F 27
S 28	7 59 6	1°35'46	10♈15	18°44	17°29	20°25	23°38	4°49	22°31	15° 9	2°46	16°24	15°47	7°58	n.a.	S 28
S 29	8 3 2	2°35'51	22°19	19° 7	18°37	20° 7	23°52	4°46	22°34	15° 9	2°48	16°23	15°44	8° 5	n.a.	S 29
M30	8 6 59	3°35'53	4♉34	19°22	19°46	19°47	24° 6	4°42	22°36	15° 8	2°50	16°D22	15°41	8°12	n.a.	M30
T 31	8 10 55	4♒35'53	17♉ 7	19°R27	20♐54	19♌27	24♒20	4♍38	22♓39	15♎ 8	2♒51	16♑23	15♑38	8♓18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23 s42	10n31	5n16	25 s33	2 s 0	14 s 8	3n22	17n 3	3n41	16 s55	1 s13	11n41	2n22	4 s 0	0 s42	4 s 9	2n 0	32 s23	12 s47	22 s44	22 s39	6 s17			n.a.
M 2	23 40	15 12	5 12	25 25	1 59	14 27	3 20	17 5	3 43	16 51	1 13	11 42	2 22	3 59	0 42	4 9	2 0	32 23	12 46	22 44	22 39	6 14			n.a.
T 3	23 37	19 21	4 53	25 15	1 58	14 46	3 18	17 7	3 45	16 47	1 13	11 42	2 22	3 59	0 42	4 10	2 0	32 22	12 46	22 44	22 40	6 11			n.a.
W 4	23 34	22 42	4 18	25 3	1 56	15 5	3 15	17 9	3 47	16 43	1 13	11 43	2 23	3 58	0 42	4 10	2 0	32 22	12 46	22 44	22 40	6 8			n.a.
T 5	23 30	24 56	3 28	24 49	1 53	15 24	3 13	17 11	3 49	16 39	1 13	11 44	2 23	3 57	0 42	4 10	2 0	32 21	12 46	22 44	22 41	6 5			n.a.
F 6	23 26	25 45	2 25	24 33	1 50	15 43	3 11	17 13	3 51	16 34	1 13	11 45	2 23	3 57	0 42	4 10	2 0	32 21	12 46	22 44	22 41	6 2			n.a.
S 7	23 22	24 56	1 12	24 14	1 46	16 2	3 8	17 16	3 53	16 30	1 13	11 46	2 24	3 56	0 42	4 10	2 0	32 20	12 46	22 44	22 41	5 59			n.a.
S 8	23 16	22 26	0 s 8	23 54	1 41	16 20	3 5	17 19	3 55	16 26	1 12	11 46	2 24	3 55	0 42	4 10	2 1	32 20	12 46	22 44	22 42	5 56			n.a.
M 9	23 11	18 27	1 28	23 31	1 36	16 38	3 3	17 23	3 57	16 22	1 12	11 47	2 24	3 55	0 42	4 11	2 1	32 19	12 46	22 44	22 42	5 53			n.a.
T 10	23 5	13 19	2 42	23 7	1 30	16 56	3 0	17 26	3 59	16 18	1 12	11 48	2 24	3 54	0 42	4 11	2 1	32 19	12 46	22 44	22 43	5 50			n.a.
W11	22 59	7 25	3 46	22 40	1 23	17 13	2 57	17 30	4 1	16 13	1 12	11 49	2 25	3 53	0 42	4 11	2 1	32 19	12 46	22 44	22 43	5 47			n.a.
T 12	22 52	1 12	4 35	22 12	1 16	17 30	2 54	17 34	4 3	16 9	1 12	11 50	2 25	3 53	0 42	4 11	2 1	32 18	12 46	22 44	22 43	5 44			n.a.
F 13	22 44	5 s 0	5 6	21 42	1 8	17 47	2 51	17 38	4 5	16 5	1 12	11 51	2 25	3 52	0 42	4 11	2 1	32 18	12 46	22 44	22 44	5 41			n.a.
S 14	22 37	10 50	5 17	21 11	0 59	18 4	2 48	17 43	4 7	16 0	1 12	11 52	2 25	3 51	0 42	4 11	2 1	32 17	12 46	22 44	22 44	5 38			n.a.
S 15	22 28	16 1	5 10	20 37	0 49	18 20	2 45	17 47	4 9	15 56	1 12	11 54	2 26	3 50	0 42	4 11	2 1	32 17	12 46	22 44	22 45	5 35			n.a.
M16	22 20	20 18	4 46	20 3	0 39	18 36	2 41	17 52	4 11	15 52	1 12	11 55	2 26	3 49	0 42	4 11	2 1	32 16	12 46	22 44	22 45	5 32			n.a.
T 17	22 11	23 26	4 7	19 28	0 28	18 51	2 38	17 58	4 13	15 47	1 12	11 56	2 26	3 49	0 42	4 11	2 1	32 16	12 46	22 44	22 45	5 29			n.a.
W18	22 1	25 16	3 15	18 51	0 16	19 6	2 35	18 3	4 14	15 43	1 12	11 57	2 26	3 48	0 42	4 11	2 1	32 15	12 45	22 44	22 46	5 26			n.a.
T 19	21 52	25 44	2 15	18 15	0 3	19 21	2 31	18 9	4 16	15 38	1 12	11 58	2 27	3 47	0 42	4 11	2 1	32 15	12 45	22 44	22 46	5 23			n.a.
F 20	21 41	24 51	1 9	17 38	0n10	19 35	2 28	18 14	4 18	15 34	1 12	12 0	2 27	3 46	0 42	4 11	2 1	32 15	12 45	22 44	22 47	5 20			n.a.
S 21	21 31	22 45	0 0	17 1	0 24	19 49	2 24	18 20	4 19	15 29	1 11	12 1	2 27	3 45	0 42	4 11	2 1	32 14	12 45	22 44	22 47	5 17			n.a.
S 22	21 20	19 37	1n 7	16 25	0 38	20 3	2 20	18 27	4 21	15 25	1 11	12 2	2 27	3 44	0 42	4 11	2 2	32 14	12 45	22 44	22 47	5 14			n.a.
M23	21 8	15 40	2 10	15 50	0 53	20 16	2 17	18 33	4 22	15 20	1 11	12 3	2 27	3 43	0 42	4 11	2 2	32 13	12 45	22 44	22 48	5 11			n.a.
T 24	20 56	11 10	3 8	15 16	1 8	20 28	2 13	18 40	4 24	15 15	1 11	12 5	2 28	3 42	0 42	4 11	2 2	32 13	12 45	22 44	22 48	5 8			n.a.
W25	20 44	6 17	3 56	14 44	1 24	20 40	2 9	18 46	4 25	15 11	1 11	12 6	2 28	3 41	0 42	4 11	2 2	32 13	12 45	22 45	22 49	5 5			n.a.
T 26	20 31	1 12	4 34	14 14	1 39	20 52	2 6	18 53	4 26	15 6	1 11	12 8	2 28	3 40	0 42	4 11	2 2	32 12	12 45	22 45	22 49	5 2			n.a.
F 27	20 18	3n55	5 1	13 47	1 55	21 3	2 2	19 0	4 27	15 1	1 11	12 9	2 28	3 39	0 41	4 11	2 2	32 12	12 45	22 45	22 49	4 59			n.a.
S 28	20 5	8 55	5 14	13 22	2 10	21 13	1 58	19 7	4 28	14 57	1 11	12 11	2 29	3 38	0 41	4 11	2 2	32 11	12 45	22 45	22 50	4 56			n.a.
S 29	19 51	13 39	5 14	13 1	2 25	21 23	1 54	19 14	4 29	14 52	1 11	12 12	2 29	3 37	0 41	4 10	2 2	32 11	12 46	22 45	22 50	4 53			n.a.
M30	19 37	17 55	5 0	12 42	2 39	21 33	1 50	19 21	4 30	14 47	1 11	12 14	2 29	3 36	0 41	4 10	2 2	32 11	12 46	22 45	22 50	4 50			n.a.
T 31	19 s23	21n31	4n32	12 s28	2n53	21 s42	1n46	19n28	4n31	14 s42	1 s11	12n15	2n29	3 s35	0 s41	4 s10	2n 2	32 s10	12 s46	22 s45	22 s51	4 s47			n.a.

Julian Day Number = 1476340.5, Delta T = 05h26m33s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'26, Lahiri = -13°13'26 Julian Calendar 1 Jan. 671 BCE == Greg. Calendar 25 Dec. 672 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

FEBRUARY 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 14 52	5♒35'50	0♊ 2	19°R23	22♐ 3	19°R 7	24♒34	4°R35	22♓41	15°R 8	2♒53	16♑24	15♑35	8♓25	n.a.	W 1
T 2	8 18 48	6°35'46	13°21	19♒10	23°12	18♌46	24°48	4♍31	22°44	15♎ 7	2°54	16°25	15°31	8°32	n.a.	T 2
F 3	8 22 45	7°35'39	27° 6	18°49	24°21	18°25	25° 3	4°27	22°47	15° 7	2°56	16°27	15°28	8°38	n.a.	F 3
S 4	8 26 41	8°35'30	11♋19	18°19	25°30	18° 3	25°17	4°23	22°49	15° 7	2°58	16°R27	15°25	8°45	n.a.	S 4
S 5	8 30 38	9°35'18	25°55	17°43	26°39	17°41	25°31	4°19	22°52	15° 6	2°59	16°27	15°22	8°52	n.a.	S 5
M 6	8 34 35	10°35'04	10♌51	17° 0	27°49	17°19	25°45	4°15	22°55	15° 6	3° 1	16°26	15°19	8°59	n.a.	M 6
T 7	8 38 31	11°34'49	25°56	16°12	28°58	16°56	25°59	4°11	22°57	15° 5	3° 3	16°23	15°15	9° 5	n.a.	T 7
W 8	8 42 28	12°34'31	11♍ 4	15°19	0♑ 7	16°33	26°14	4° 7	23° 0	15° 5	3° 4	16°20	15°12	9°12	n.a.	W 8
T 9	8 46 24	13°34'11	26° 3	14°24	1°17	16°10	26°28	4° 3	23° 3	15° 4	3° 6	16°16	15° 9	9°19	n.a.	T 9
F 10	8 50 21	14°33'49	10♎46	13°28	2°26	15°47	26°42	3°59	23° 6	15° 4	3° 8	16°13	15° 6	9°25	n.a.	F 10
S 11	8 54 17	15°33'25	25° 7	12°31	3°36	15°23	26°56	3°55	23° 9	15° 3	3° 9	16°10	15° 3	9°32	n.a.	S 11
S 12	8 58 14	16°33'00	9♏ 4	11°34	4°46	15° 0	27°11	3°50	23°12	15° 3	3°11	16° 8	15° 0	9°39	n.a.	S 12
M13	9 2 10	17°32'33	22°36	10°40	5°56	14°37	27°25	3°46	23°14	15° 2	3°12	16°D 8	14°56	9°45	n.a.	M13
T 14	9 6 7	18°32'04	5♐46	9°49	7° 6	14°13	27°39	3°42	23°17	15° 1	3°14	16° 9	14°53	9°52	n.a.	T 14
W15	9 10 4	19°31'33	18°35	9° 2	8°16	13°50	27°54	3°37	23°20	15° 0	3°16	16°11	14°50	9°59	n.a.	W15
T 16	9 14 0	20°31'00	1♑ 8	8°20	9°26	13°27	28° 8	3°33	23°23	15° 0	3°17	16°13	14°47	10° 6	n.a.	T 16
F 17	9 17 57	21°30'25	13°27	7°42	10°36	13° 4	28°23	3°28	23°26	14°59	3°19	16°R13	14°44	10°12	n.a.	F 17
S 18	9 21 53	22°29'48	25°36	7°10	11°46	12°41	28°37	3°24	23°29	14°58	3°20	16°13	14°41	10°19	n.a.	S 18
S 19	9 25 50	23°29'09	7♒37	6°44	12°57	12°18	28°51	3°20	23°32	14°57	3°22	16°11	14°37	10°26	n.a.	S 19
M20	9 29 46	24°28'28	19°33	6°23	14° 7	11°56	29° 6	3°15	23°36	14°56	3°23	16° 7	14°34	10°32	n.a.	M20
T 21	9 33 43	25°27'45	1♓26	6° 9	15°17	11°34	29°20	3°10	23°39	14°56	3°25	16° 1	14°31	10°39	n.a.	T 21
W22	9 37 39	26°27'00	13°17	6° 0	16°28	11°12	29°35	3° 6	23°42	14°55	3°26	15°53	14°28	10°46	n.a.	W22
T 23	9 41 36	27°26'12	25° 8	5°D58	17°38	10°51	29°49	3° 1	23°45	14°54	3°28	15°45	14°25	10°52	n.a.	T 23
F 24	9 45 32	28°25'22	7♈ 0	6° 0	18°49	10°30	0♓ 3	2°57	23°48	14°53	3°30	15°37	14°21	10°59	n.a.	F 24
S 25	9 49 29	29°24'29	18°58	6° 9	19°59	10°10	0°18	2°52	23°51	14°52	3°31	15°30	14°18	11° 6	n.a.	S 25
S 26	9 53 26	0♓23'35	1♉ 2	6°22	21°10	9°50	0°32	2°47	23°55	14°51	3°33	15°25	14°15	11°13	n.a.	S 26
M27	9 57 22	1°22'38	13°17	6°41	22°21	9°31	0°47	2°43	23°58	14°50	3°34	15°21	14°12	11°19	n.a.	M27
T 28	10 1 19	2♓21'38	25♉46	7♒ 5	23♑31	9♌13	1♓ 1	2♍38	24♓ 1	14♎49	3♒35	15♑19	14♑ 9	11♓26	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s 8	24n10	3n49	12s17	3n 5	21s50	1n42	19n36	4n32	14s38	1s11	12n17	2n29	3s34	0s41	4s10	2n 2	32s10	12s46	22s45	22s51	4s44		n.a.
T 2	18 53	25 35	2 53	12 11	3 16	21 58	1 38	19 43	4 33	14 33	1 11	12 18	2 29	3 33	0 41	4 10	2 2	32 10	12 46	22 45	22 52	4 41		n.a.
F 3	18 38	25 29	1 45	12 8	3 26	22 5	1 34	19 50	4 33	14 28	1 11	12 20	2 30	3 32	0 41	4 10	2 2	32 9	12 46	22 45	22 52	4 38		n.a.
S 4	18 22	23 45	0 28	12 9	3 35	22 12	1 30	19 58	4 34	14 23	1 11	12 21	2 30	3 31	0 41	4 9	2 2	32 9	12 46	22 45	22 52	4 35		n.a.
S 5	18 6	20 25	0s52	12 13	3 42	22 18	1 26	20 5	4 34	14 18	1 11	12 23	2 30	3 30	0 41	4 9	2 2	32 8	12 46	22 45	22 53	4 32		n.a.
M 6	17 50	15 40	2 10	12 22	3 47	22 23	1 22	20 12	4 34	14 13	1 11	12 25	2 30	3 29	0 41	4 9	2 3	32 8	12 46	22 45	22 53	4 29		n.a.
T 7	17 33	9 55	3 20	12 33	3 50	22 28	1 18	20 20	4 34	14 8	1 11	12 26	2 30	3 28	0 41	4 9	2 3	32 8	12 46	22 45	22 53	4 26		n.a.
W 8	17 16	3 34	4 16	12 48	3 51	22 32	1 14	20 27	4 34	14 4	1 11	12 28	2 31	3 27	0 41	4 8	2 3	32 7	12 46	22 46	22 54	4 23		n.a.
T 9	16 59	2s54	4 54	13 5	3 50	22 36	1 10	20 34	4 34	13 59	1 11	12 30	2 31	3 25	0 41	4 8	2 3	32 7	12 46	22 46	22 54	4 20		n.a.
F 10	16 42	9 5	5 12	13 24	3 47	22 39	1 6	20 41	4 34	13 54	1 11	12 31	2 31	3 24	0 41	4 8	2 3	32 7	12 46	22 47	22 54	4 17		n.a.
S 11	16 24	14 39	5 10	13 45	3 42	22 41	1 2	20 48	4 34	13 49	1 11	12 33	2 31	3 23	0 41	4 8	2 3	32 6	12 46	22 47	22 55	4 14		n.a.
S 12	16 6	19 16	4 49	14 7	3 35	22 43	0 58	20 54	4 33	13 44	1 11	12 35	2 31	3 22	0 41	4 7	2 3	32 6	12 46	22 47	22 55	4 11		n.a.
M13	15 48	22 44	4 12	14 30	3 27	22 44	0 54	21 1	4 33	13 39	1 11	12 36	2 31	3 21	0 41	4 7	2 3	32 6	12 47	22 47	22 56	4 8		n.a.
T 14	15 29	24 54	3 23	14 53	3 17	22 45	0 51	21 7	4 32	13 34	1 11	12 38	2 31	3 20	0 41	4 7	2 3	32 6	12 47	22 47	22 56	4 5		n.a.
W15	15 10	25 42	2 25	15 16	3 6	22 44	0 47	21 14	4 31	13 29	1 11	12 40	2 31	3 18	0 41	4 6	2 3	32 5	12 47	22 47	22 56	4 2		n.a.
T 16	14 51	25 8	1 22	15 39	2 53	22 44	0 43	21 20	4 30	13 24	1 11	12 42	2 32	3 17	0 41	4 6	2 3	32 5	12 47	22 47	22 57	3 59		n.a.
F 17	14 32	23 20	0 15	16 1	2 40	22 42	0 39	21 26	4 30	13 18	1 11	12 43	2 32	3 16	0 41	4 6	2 3	32 5	12 47	22 47	22 57	3 56		n.a.
S 18	14 13	20 29	0n51	16 23	2 27	22 40	0 35	21 31	4 28	13 13	1 11	12 45	2 32	3 15	0 41	4 5	2 3	32 4	12 47	22 47	22 57	3 53		n.a.
S 19	13 53	16 47	1 54	16 43	2 12	22 37	0 31	21 37	4 27	13 8	1 11	12 47	2 32	3 13	0 41	4 5	2 3	32 4	12 47	22 47	22 58	3 50		n.a.
M20	13 33	12 27	2 51	17 2	1 58	22 34	0 27	21 42	4 26	13 3	1 11	12 49	2 32	3 12	0 41	4 4	2 3	32 4	12 47	22 47	22 58	3 47		n.a.
T 21	13 13	7 41	3 41	17 20	1 43	22 30	0 23	21 47	4 25	12 58	1 11	12 50	2 32	3 11	0 41	4 4	2 3	32 4	12 48	22 48	22 58	3 44		n.a.
W22	12 52	2 39	4 21	17 36	1 29	22 25	0 20	21 52	4 23	12 53	1 11	12 52	2 32	3 10	0 41	4 4	2 3	32 3	12 48	22 49	22 59	3 41		n.a.
T 23	12 32	2n27	4 49	17 51	1 14	22 20	0 16	21 56	4 22	12 48	1 11	12 54	2 32	3 8	0 41	4 3	2 4	32 3	12 48	22 50	22 59	3 38		n.a.
F 24	12 11	7 28	5 5	18 4	0 59	22 14	0 12	22 1	4 20	12 43	1 11	12 56	2 32	3 7	0 41	4 3	2 4	32 3	12 48	22 51	22 59	3 35		n.a.
S 25	11 50	12 15	5 8	18 16	0 45	22 7	0 9	22 5	4 18	12 37	1 11	12 57	2 32	3 6	0 41	4 2	2 4	32 3	12 48	22 52	23 0	3 32		n.a.
S 26	11 29	16 37	4 57	18 26	0 31	22 0	0 5	22 8	4 16	12 32	1 11	12 59	2 32	3 4	0 41	4 2	2 4	32 3	12 48	22 52	23 0	3 29		n.a.
M27	11 8	20 22	4 33	18 35	0 18	21 52	0 1	22 12	4 14	12 27	1 11	13 1	2 33	3 3	0 41	4 1	2 4	32 2	12 49	22 53	23 0	3 26		n.a.
T 28	10s47	23n16	3n55	18s41	0n 5	21s44	0s 2	22n15	4n12	12s22	1s11	13n 3	2n33	3s 2	0s41	4s 1	2n 4	32s 2	12s49	22s53	23s 1	3s23		n.a.

Julian Day Number = 1476371.5, Delta T = 05h26m31s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'22, Lahiri = -13°13'21 Julian Calendar 1 Feb. 671 BCE == Greg. Calendar 25 Jan. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

MARCH 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 5 15	3♓20'36	8♊35	7♒33	24♉42	8°R55	1♓16	2°R34	24♓ 4	14°R47	3♒37	15°D19	14♉ 6	11♓33	n.a.	W 1
T 2	10 9 12	4°19'32	21°46	8° 5	25°53	8♌37	1°30	2♍29	24° 7	14♎46	3°38	15♉20	14° 2	11°39	n.a.	T 2
F 3	10 13 8	5°18'26	5♋22	8°42	27° 4	8°21	1°44	2°24	24°11	14°45	3°40	15°21	13°59	11°46	n.a.	F 3
S 4	10 17 5	6°17'17	19°27	9°22	28°15	8° 5	1°59	2°20	24°14	14°44	3°41	15°R21	13°56	11°53	n.a.	S 4
S 5	10 21 1	7°16'05	3♌59	10° 6	29°26	7°50	2°13	2°15	24°17	14°43	3°43	15°20	13°53	11°59	n.a.	S 5
M 6	10 24 58	8°14'52	18°55	10°54	0♒37	7°35	2°28	2°11	24°21	14°42	3°44	15°16	13°50	12° 6	n.a.	M 6
T 7	10 28 55	9°13'35	4♍ 8	11°45	1°48	7°21	2°42	2° 6	24°24	14°40	3°45	15°10	13°46	12°13	n.a.	T 7
W 8	10 32 51	10°12'17	19°27	12°39	2°59	7° 8	2°56	2° 1	24°27	14°39	3°47	15° 3	13°43	12°20	n.a.	W 8
T 9	10 36 48	11°10'57	4♎42	13°36	4°10	6°56	3°11	1°57	24°31	14°38	3°48	14°54	13°40	12°26	n.a.	T 9
F 10	10 40 44	12° 9'35	19°42	14°36	5°21	6°44	3°25	1°52	24°34	14°37	3°50	14°46	13°37	12°33	n.a.	F 10
S 11	10 44 41	13° 8'11	4♏18	15°39	6°32	6°34	3°39	1°48	24°37	14°35	3°51	14°39	13°34	12°40	n.a.	S 11
S 12	10 48 37	14° 6'45	18°27	16°44	7°44	6°24	3°54	1°43	24°41	14°34	3°52	14°34	13°31	12°46	n.a.	S 12
M13	10 52 34	15° 5'17	2♐ 6	17°52	8°55	6°14	4° 8	1°39	24°44	14°33	3°54	14°31	13°27	12°53	n.a.	M13
T 14	10 56 30	16° 3'48	15°18	19° 2	10° 6	6° 6	4°22	1°35	24°48	14°31	3°55	14°D30	13°24	13° 0	n.a.	T 14
W15	11 0 27	17° 2'17	28° 4	20°15	11°17	5°58	4°37	1°30	24°51	14°30	3°56	14°31	13°21	13° 6	n.a.	W15
T 16	11 4 24	18° 0'45	10♑31	21°30	12°29	5°51	4°51	1°26	24°55	14°29	3°57	14°R31	13°18	13°13	n.a.	T 16
F 17	11 8 20	18°59'10	22°43	22°47	13°40	5°45	5° 5	1°22	24°58	14°27	3°59	14°31	13°15	13°20	n.a.	F 17
S 18	11 12 17	19°57'34	4♒44	24° 6	14°52	5°40	5°19	1°17	25° 1	14°26	4° 0	14°29	13°12	13°27	n.a.	S 18
S 19	11 16 13	20°55'56	16°38	25°27	16° 3	5°36	5°33	1°13	25° 5	14°24	4° 1	14°25	13° 8	13°33	n.a.	S 19
M20	11 20 10	21°54'16	28°29	26°50	17°15	5°32	5°48	1° 9	25° 8	14°23	4° 2	14°17	13° 5	13°40	n.a.	M20
T 21	11 24 6	22°52'34	10♓19	28°16	18°26	5°29	6° 2	1° 5	25°12	14°21	4° 3	14° 8	13° 2	13°47	n.a.	T 21
W22	11 28 3	23°50'51	22°10	29°43	19°38	5°27	6°16	1° 1	25°15	14°20	4° 5	13°56	12°59	13°53	n.a.	W22
T 23	11 31 59	24°49'05	4♈ 3	1♓12	20°49	5°26	6°30	0°57	25°19	14°18	4° 6	13°43	12°56	14° 0	n.a.	T 23
F 24	11 35 56	25°47'18	16° 1	2°43	22° 1	5°D25	6°44	0°53	25°22	14°17	4° 7	13°30	12°52	14° 7	n.a.	F 24
S 25	11 39 52	26°45'28	28° 5	4°16	23°13	5°25	6°58	0°49	25°25	14°15	4° 8	13°17	12°49	14°14	n.a.	S 25
S 26	11 43 49	27°43'37	10♉16	5°51	24°24	5°26	7°12	0°45	25°29	14°14	4° 9	13° 7	12°46	14°20	n.a.	S 26
M27	11 47 46	28°41'44	22°36	7°27	25°36	5°28	7°26	0°41	25°32	14°12	4°10	13° 0	12°43	14°27	n.a.	M27
T 28	11 51 42	29°39'48	5♊ 8	9° 6	26°48	5°30	7°39	0°37	25°36	14°11	4°11	12°55	12°40	14°34	n.a.	T 28
W29	11 55 39	0♈37'51	17°56	10°46	28° 0	5°34	7°53	0°34	25°39	14° 9	4°12	12°53	12°37	14°40	n.a.	W29
T 30	11 59 35	1°35'52	1♋ 3	12°28	29°11	5°38	8° 7	0°30	25°43	14° 8	4°13	12°D53	12°33	14°47	n.a.	T 30
F 31	12 3 32	2♈33'51	14♋32	14♓12	0♓23	5♌42	8♓21	0♍26	25♓46	14♎ 6	4♒14	12°R53	12♑30	14♓54	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10s25	25n 5	3n 5	18s46	0s 8	21s35	0s 6	22n18	4n10	12s17	1s11	13n 4	2n33	3s 0	0s41	4s 1	2n 4	32s 2	12s49	22s53	23s 1	3s20		n.a.
T 2	10 4	25 34	2 4	18 50	0 20	21 25	0 9	22 21	4 8	12 12	1 11	13 6	2 33	2 59	0 41	4 0	2 4	32 2	12 49	22 53	23 1	3 17		n.a.
F 3	9 42	24 33	0 54	18 51	0 32	21 15	0 13	22 23	4 6	12 6	1 11	13 8	2 33	2 58	0 41	4 0	2 4	32 2	12 49	22 53	23 2	3 14		n.a.
S 4	9 20	21 59	0s22	18 51	0 43	21 4	0 16	22 25	4 4	12 1	1 11	13 10	2 33	2 56	0 41	3 59	2 4	32 1	12 50	22 53	23 2	3 11		n.a.
S 5	8 58	17 56	1 39	18 49	0 54	20 52	0 19	22 27	4 2	11 56	1 11	13 11	2 33	2 55	0 41	3 59	2 4	32 1	12 50	22 53	23 3	3 8		n.a.
M 6	8 36	12 40	2 50	18 46	1 4	20 40	0 23	22 29	3 59	11 51	1 11	13 13	2 33	2 54	0 41	3 58	2 4	32 1	12 50	22 53	23 3	3 5		n.a.
T 7	8 13	6 33	3 51	18 41	1 13	20 27	0 26	22 30	3 57	11 46	1 11	13 15	2 33	2 52	0 41	3 58	2 4	32 1	12 50	22 54	23 3	3 2		n.a.
W 8	7 51	0 1	4 36	18 34	1 22	20 14	0 29	22 31	3 54	11 40	1 11	13 16	2 33	2 51	0 41	3 57	2 4	32 1	12 50	22 55	23 3	2 59		n.a.
T 9	7 28	6s28	5 0	18 26	1 31	20 0	0 32	22 32	3 52	11 35	1 11	13 18	2 33	2 50	0 41	3 56	2 4	32 1	12 51	22 56	23 4	2 56		n.a.
F 10	7 6	12 29	5 4	18 15	1 39	19 46	0 35	22 33	3 49	11 30	1 11	13 20	2 33	2 48	0 41	3 56	2 4	32 0	12 51	22 57	23 4	2 53		n.a.
S 11	6 43	17 38	4 48	18 4	1 46	19 31	0 38	22 33	3 47	11 25	1 11	13 21	2 33	2 47	0 41	3 55	2 4	32 0	12 51	22 58	23 4	2 50		n.a.
S 12	6 20	21 37	4 14	17 50	1 53	19 15	0 41	22 33	3 44	11 19	1 11	13 23	2 33	2 46	0 41	3 55	2 4	32 0	12 51	22 58	23 5	2 47		n.a.
M13	5 57	24 15	3 27	17 35	1 59	18 59	0 44	22 33	3 42	11 14	1 11	13 25	2 33	2 44	0 41	3 54	2 4	32 0	12 52	22 58	23 5	2 44		n.a.
T 14	5 34	25 26	2 30	17 18	2 5	18 42	0 47	22 33	3 39	11 9	1 11	13 26	2 33	2 43	0 41	3 54	2 4	32 0	12 52	22 58	23 5	2 41		n.a.
W15	5 11	25 12	1 27	17 0	2 10	18 25	0 49	22 32	3 36	11 4	1 11	13 28	2 33	2 42	0 41	3 53	2 4	32 0	12 52	22 58	23 6	2 38		n.a.
T 16	4 48	23 42	0 21	16 40	2 15	18 8	0 52	22 31	3 34	10 58	1 12	13 29	2 33	2 40	0 41	3 53	2 4	32 0	12 52	22 58	23 6	2 35		n.a.
F 17	4 25	21 7	0n44	16 18	2 19	17 49	0 55	22 30	3 31	10 53	1 12	13 31	2 33	2 39	0 41	3 52	2 4	32 0	12 53	22 58	23 6	2 32		n.a.
S 18	4 2	17 39	1 46	15 55	2 22	17 31	0 57	22 29	3 29	10 48	1 12	13 32	2 33	2 37	0 40	3 51	2 5	32 0	12 53	22 59	23 7	2 29		n.a.
S 19	3 39	13 30	2 42	15 30	2 25	17 12	1 0	22 28	3 26	10 43	1 12	13 34	2 33	2 36	0 40	3 51	2 5	32 0	12 53	22 59	23 7	2 26		n.a.
M20	3 15	8 52	3 31	15 3	2 28	16 52	1 2	22 26	3 23	10 38	1 12	13 35	2 33	2 35	0 40	3 50	2 5	32 0	12 53	23 0	23 7	2 23		n.a.
T 21	2 52	3 56	4 11	14 35	2 30	16 32	1 4	22 24	3 20	10 32	1 12	13 37	2 32	2 33	0 40	3 50	2 5	31 59	12 54	23 1	23 8	2 20		n.a.
W22	2 29	1n 7	4 40	14 5	2 31	16 11	1 7	22 22	3 18	10 27	1 12	13 38	2 32	2 32	0 40	3 49	2 5	31 59	12 54	23 2	23 8	2 17		n.a.
T 23	2 5	6 10	4 57	13 33	2 32	15 50	1 9	22 20	3 15	10 22	1 12	13 40	2 32	2 30	0 40	3 48	2 5	31 59	12 54	23 4	23 8	2 14		n.a.
F 24	1 42	11 0	5 1	13 0	2 32	15 29	1 11	22 17	3 12	10 17	1 12	13 41	2 32	2 29	0 40	3 48	2 5	31 59	12 54	23 5	23 9	2 11		n.a.
S 25	1 18	15 27	4 51	12 26	2 32	15 7	1 13	22 15	3 10	10 12	1 12	13 42	2 32	2 28	0 40	3 47	2 5	31 59	12 55	23 6	23 9	2 8		n.a.
S 26	0 55	19 20	4 28	11 49	2 31	14 45	1 15	22 12	3 7	10 6	1 12	13 44	2 32	2 26	0 40	3 47	2 5	31 59	12 55	23 7	23 9	2 5		n.a.
M27	0 32	22 26	3 53	11 12	2 29	14 22	1 17	22 9	3 4	10 1	1 12	13 45	2 32	2 25	0 40	3 46	2 5	31 59	12 55	23 8	23 10	2 2		n.a.
T 28	0 8	24 30	3 6	10 32	2 27	13 59	1 19	22 6	3 2	9 56	1 12	13 46	2 32	2 24	0 40	3 45	2 5	31 59	12 56	23 8	23 10	1 59		n.a.
W29	0n15	25 21	2 8	9 51	2 25	13 36	1 20	22 2	2 59	9 51	1 13	13 47	2 32	2 22	0 40	3 45	2 5	31 59	12 56	23 9	23 10	1 56		n.a.
T 30	0 39	24 49	1 2	9 9	2 21	13 12	1 22	21 59	2 56	9 46	1 13	13 49	2 32	2 21	0 40	3 44	2 5	31 59	12 56	23 9	23 10	1 53		n.a.
F 31	1n 2	22n50	0s 9	8s25	2s18	12s48	1s24	21n55	2n54	9s41	1s13	13n50	2n32	2s19	0s40	3s43	2n 5	31s59	12s56	23s 9	23s11	1s50		n.a.

Julian Day Number = 1476399.5, Delta T = 05h26m30s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'18, Lahiri = -13°13'18 Julian Calendar 1 March 671 BCE == Greg. Calendar 22 Feb. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

APRIL 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 7 28	3♈31'47	28♋26	15♓58	1♓35	5♌48	8♓35	0°R23	25♓49	14°R 4	4♒15	12°R52	12♑27	15♓ 0	n.a.	S 1
S 2	12 11 25	4°29'42	12♌46	17°45	2°47	5°54	8°48	0♍20	25°53	14♎ 3	4°16	12♑50	12°24	15° 7	n.a.	S 2
M 3	12 15 21	5°27'34	27°29	19°35	3°59	6° 0	9° 2	0°16	25°56	14° 1	4°17	12°45	12°21	15°14	n.a.	M 3
T 4	12 19 18	6°25'25	12♍32	21°26	5°10	6° 8	9°16	0°13	26° 0	14° 0	4°18	12°37	12°18	15°21	n.a.	T 4
W 5	12 23 15	7°23'14	27°45	23°19	6°22	6°16	9°29	0°10	26° 3	13°58	4°19	12°28	12°14	15°27	n.a.	W 5
T 6	12 27 11	8°21'01	12♎59	25°14	7°34	6°24	9°43	0° 7	26° 6	13°56	4°20	12°17	12°11	15°34	n.a.	T 6
F 7	12 31 8	9°18'47	28° 2	27°11	8°46	6°34	9°56	0° 3	26°10	13°55	4°20	12° 6	12° 8	15°41	n.a.	F 7
S 8	12 35 4	10°16'31	12♏45	29°10	9°58	6°43	10° 9	0° 0	26°13	13°53	4°21	11°57	12° 5	15°47	n.a.	S 8
S 9	12 39 1	11°14'14	27° 1	1♈10	11°10	6°54	10°23	29♌58	26°16	13°51	4°22	11°49	12° 2	15°54	n.a.	S 9
M10	12 42 57	12°11'56	10♐47	3°12	12°22	7° 5	10°36	29°55	26°20	13°50	4°23	11°45	11°58	16° 1	n.a.	M10
T 11	12 46 54	13° 9'37	24° 4	5°16	13°34	7°17	10°49	29°52	26°23	13°48	4°24	11°43	11°55	16° 8	n.a.	T 11
W12	12 50 50	14° 7'16	6♑55	7°21	14°46	7°29	11° 3	29°49	26°26	13°47	4°24	11°42	11°52	16°14	n.a.	W12
T 13	12 54 47	15° 4'54	19°23	9°28	15°58	7°42	11°16	29°47	26°30	13°45	4°25	11°42	11°49	16°21	n.a.	T 13
F 14	12 58 44	16° 2'31	1♒34	11°36	17°10	7°55	11°29	29°44	26°33	13°43	4°26	11°41	11°46	16°28	n.a.	F 14
S 15	13 2 40	17° 0'07	13°34	13°45	18°22	8° 9	11°42	29°42	26°36	13°42	4°26	11°39	11°43	16°34	n.a.	S 15
S 16	13 6 37	17°57'42	25°26	15°55	19°35	8°23	11°55	29°39	26°40	13°40	4°27	11°34	11°39	16°41	n.a.	S 16
M17	13 10 33	18°55'15	7♓15	18° 6	20°47	8°38	12° 8	29°37	26°43	13°38	4°28	11°27	11°36	16°48	n.a.	M17
T 18	13 14 30	19°52'48	19° 6	20°17	21°59	8°54	12°21	29°35	26°46	13°37	4°28	11°17	11°33	16°55	n.a.	T 18
W19	13 18 26	20°50'19	0♈59	22°28	23°11	9°10	12°33	29°33	26°49	13°35	4°29	11° 5	11°30	17° 1	n.a.	W19
T 20	13 22 23	21°47'49	12°59	24°39	24°23	9°26	12°46	29°31	26°52	13°34	4°29	10°52	11°27	17° 8	n.a.	T 20
F 21	13 26 19	22°45'18	25° 5	26°50	25°36	9°43	12°59	29°29	26°56	13°32	4°30	10°38	11°23	17°15	n.a.	F 21
S 22	13 30 16	23°42'46	7♉19	29° 1	26°48	10° 0	13°11	29°27	26°59	13°30	4°31	10°26	11°20	17°21	n.a.	S 22
S 23	13 34 12	24°40'12	19°42	1♉10	28° 0	10°18	13°24	29°26	27° 2	13°29	4°31	10°16	11°17	17°28	n.a.	S 23
M24	13 38 9	25°37'38	2♊14	3°18	29°13	10°37	13°36	29°24	27° 5	13°27	4°31	10° 8	11°14	17°35	n.a.	M24
T 25	13 42 6	26°35'02	14°58	5°25	0♈25	10°56	13°49	29°23	27° 8	13°26	4°32	10° 3	11°11	17°42	n.a.	T 25
W26	13 46 2	27°32'25	27°55	7°31	1°37	11°15	14° 1	29°21	27°11	13°24	4°32	10° 1	11° 8	17°48	n.a.	W26
T 27	13 49 59	28°29'47	11♋ 6	9°34	2°50	11°34	14°13	29°20	27°14	13°23	4°33	10°D 0	11° 4	17°55	n.a.	T 27
F 28	13 53 55	29°27'07	24°35	11°36	4° 2	11°55	14°25	29°19	27°17	13°21	4°33	10°R 0	11° 1	18° 2	n.a.	F 28
S 29	13 57 52	0♉24'26	8♌23	13°35	5°14	12°15	14°38	29°18	27°20	13°19	4°33	10° 0	10°58	18° 8	n.a.	S 29
S 30	14 1 48	1♉21'44	22♌32	15♉33	6♈27	12♌36	14♓50	29♌17	27♓23	13♎18	4♒34	9♑59	10♑55	18♓15	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n25	19n26	1s21	7s39	2s14	12s23	1s25	21n51	2n51	9s35	1s13	13n51	2n32	2s18	0s40	3s43	2n 5	31s59	12s57	23s 9	23s11	1s47		n.a.
S 2	1 49	14 48	2 31	6 53	2 9	11 58	1 27	21 47	2 49	9 30	1 13	13 52	2 31	2 17	0 40	3 42	2 5	32 0	12 57	23 9	23 11	1 44		n.a.
M 3	2 12	9 12	3 32	6 4	2 3	11 33	1 28	21 43	2 46	9 25	1 13	13 53	2 31	2 15	0 40	3 41	2 5	32 0	12 57	23 9	23 12	1 41		n.a.
T 4	2 35	2 57	4 20	5 14	1 58	11 8	1 29	21 39	2 44	9 20	1 13	13 54	2 31	2 14	0 40	3 41	2 5	32 0	12 58	23 10	23 12	1 38		n.a.
W 5	2 58	3s32	4 51	4 23	1 51	10 42	1 31	21 34	2 41	9 15	1 13	13 55	2 31	2 13	0 40	3 40	2 5	32 0	12 58	23 11	23 12	1 35		n.a.
T 6	3 21	9 48	5 0	3 31	1 44	10 16	1 32	21 29	2 39	9 10	1 13	13 56	2 31	2 11	0 40	3 40	2 5	32 0	12 58	23 12	23 13	1 32		n.a.
F 7	3 44	15 24	4 49	2 37	1 37	9 50	1 33	21 25	2 36	9 5	1 13	13 57	2 31	2 10	0 40	3 39	2 5	32 0	12 59	23 13	23 13	1 29		n.a.
S 8	4 7	19 59	4 19	1 42	1 29	9 23	1 34	21 20	2 34	9 0	1 14	13 58	2 31	2 8	0 40	3 38	2 5	32 0	12 59	23 14	23 13	1 26		n.a.
S 9	4 30	23 13	3 33	0 46	1 21	8 56	1 35	21 15	2 31	8 55	1 14	13 59	2 31	2 7	0 40	3 38	2 5	32 0	12 59	23 15	23 13	1 23		n.a.
M10	4 53	24 57	2 36	0n11	1 12	8 29	1 36	21 9	2 29	8 50	1 14	14 0	2 30	2 6	0 40	3 37	2 5	32 0	13 0	23 15	23 14	1 20		n.a.
T 11	5 16	25 10	1 32	1 10	1 3	8 2	1 36	21 4	2 26	8 45	1 14	14 1	2 30	2 4	0 40	3 36	2 5	32 0	13 0	23 15	23 14	1 17		n.a.
W12	5 39	24 1	0 25	2 8	0 54	7 34	1 37	20 58	2 24	8 40	1 14	14 2	2 30	2 3	0 40	3 36	2 5	32 0	13 0	23 15	23 14	1 14		n.a.
T 13	6 1	21 41	0n41	3 8	0 44	7 6	1 38	20 53	2 22	8 35	1 14	14 3	2 30	2 2	0 40	3 35	2 5	32 1	13 1	23 15	23 15	1 11		n.a.
F 14	6 24	18 25	1 43	4 8	0 34	6 38	1 38	20 47	2 19	8 30	1 14	14 3	2 30	2 0	0 40	3 34	2 5	32 1	13 1	23 15	23 15	1 8		n.a.
S 15	6 46	14 26	2 40	5 8	0 23	6 10	1 39	20 41	2 17	8 25	1 14	14 4	2 30	1 59	0 41	3 34	2 5	32 1	13 1	23 15	23 15	1 5		n.a.
S 16	7 9	9 57	3 29	6 9	0 13	5 42	1 39	20 35	2 15	8 20	1 15	14 5	2 30	1 58	0 41	3 33	2 5	32 1	13 2	23 16	23 15	1 2		n.a.
M17	7 31	5 7	4 9	7 9	0 2	5 13	1 39	20 29	2 12	8 15	1 15	14 5	2 29	1 57	0 41	3 33	2 5	32 1	13 2	23 17	23 16	0 59		n.a.
T 18	7 53	0 7	4 38	8 10	0n 8	4 45	1 39	20 23	2 10	8 10	1 15	14 6	2 29	1 55	0 41	3 32	2 5	32 1	13 2	23 17	23 16	0 56		n.a.
W19	8 15	4n54	4 55	9 9	0 19	4 16	1 40	20 16	2 8	8 6	1 15	14 7	2 29	1 54	0 41	3 31	2 5	32 2	13 3	23 18	23 16	0 53		n.a.
T 20	8 37	9 47	5 0	10 8	0 29	3 47	1 40	20 9	2 6	8 1	1 15	14 7	2 29	1 53	0 41	3 31	2 5	32 2	13 3	23 20	23 17	0 50		n.a.
F 21	8 58	14 20	4 51	11 6	0 39	3 18	1 40	20 3	2 3	7 56	1 15	14 8	2 29	1 51	0 41	3 30	2 5	32 2	13 3	23 21	23 17	0 47		n.a.
S 22	9 20	18 22	4 28	12 3	0 49	2 49	1 40	19 56	2 1	7 51	1 15	14 8	2 29	1 50	0 41	3 29	2 5	32 2	13 4	23 22	23 17	0 44		n.a.
S 23	9 41	21 38	3 53	12 58	0 59	2 19	1 40	19 49	1 59	7 46	1 16	14 9	2 28	1 49	0 41	3 29	2 5	32 2	13 4	23 22	23 17	0 41		n.a.
M24	10 3	23 56	3 6	13 51	1 8	1 50	1 39	19 42	1 57	7 42	1 16	14 9	2 28	1 48	0 41	3 28	2 5	32 3	13 4	23 23	23 18	0 38		n.a.
T 25	10 24	25 3	2 9	14 43	1 17	1 21	1 39	19 34	1 55	7 37	1 16	14 9	2 28	1 46	0 41	3 28	2 5	32 3	13 5	23 23	23 18	0 36		n.a.
W26	10 45	24 49	1 4	15 33	1 25	0 51	1 39	19 27	1 53	7 32	1 16	14 10	2 28	1 45	0 41	3 27	2 5	32 3	13 5	23 24	23 18	0 33		n.a.
T 27	11 5	23 12	0s 6	16 21	1 33	0 22	1 38	19 19	1 51	7 28	1 16	14 10	2 28	1 44	0 41	3 26	2 5	32 3	13 5	23 24	23 18	0 30		n.a.
F 28	11 26	20 15	1 17	17 7	1 40	0n 8	1 38	19 12	1 49	7 23	1 16	14 10	2 27	1 43	0 41	3 26	2 5	32 3	13 6	23 24	23 19	0 27		n.a.
S 29	11 46	16 6	2 25	17 50	1 47	0 38	1 37	19 4	1 46	7 19	1 16	14 10	2 27	1 42	0 41	3 25	2 5	32 4	13 6	23 24	23 19	0 24		n.a.
S 30	12n 7	10n58	3s26	18n31	1n53	1n 7	1s37	18n56	1n44	7s14	1s17	14n11	2n27	1s40	0s41	3s25	2n 5	32s 4	13s 6	23s24	23s19	0s21		n.a.

Julian Day Number = 1476430.5, Delta T = 05h26m28s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'14, Lahiri = -13°13'13 Julian Calendar 1 Apr. 671 BCE == Greg. Calendar 25 March 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

MAY 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 5 45	2♉19'00	6♍59	17♉28	7♈39	12♌57	15♓ 1	29°R16	27♓26	13°R16	4♒34	9°R55	10♏52	18♓22	n.a.	M 1
T 2	14 9 41	3°16'16	21°43	19°20	8°52	13°19	15°13	29♌15	27°29	13♎15	4°34	9♏48	10°49	18°29	n.a.	T 2
W 3	14 13 38	4°13'30	6♎38	21°10	10° 4	13°41	15°25	29°14	27°32	13°13	4°35	9°40	10°45	18°35	n.a.	W 3
T 4	14 17 35	5°10'43	21°34	22°58	11°16	14° 4	15°37	29°13	27°35	13°12	4°35	9°31	10°42	18°42	n.a.	T 4
F 5	14 21 31	6° 7'56	6♏24	24°43	12°29	14°26	15°48	29°13	27°38	13°10	4°35	9°22	10°39	18°49	n.a.	F 5
S 6	14 25 28	7° 5'08	20°58	26°25	13°41	14°50	16° 0	29°12	27°41	13° 9	4°35	9°13	10°36	18°55	n.a.	S 6
S 7	14 29 24	8° 2'19	5♐10	28° 5	14°54	15°13	16°11	29°12	27°44	13° 8	4°35	9° 7	10°33	19° 2	n.a.	S 7
M 8	14 33 21	8°59'30	18°56	29°42	16° 7	15°37	16°23	29°12	27°46	13° 6	4°35	9° 3	10°29	19° 9	n.a.	M 8
T 9	14 37 17	9°56'40	2♑16	1♊16	17°19	16° 1	16°34	29°12	27°49	13° 5	4°36	9° 1	10°26	19°16	n.a.	T 9
W10	14 41 14	10°53'50	15° 9	2°48	18°32	16°26	16°45	29°D12	27°52	13° 3	4°36	9°D 1	10°23	19°22	n.a.	W10
T 11	14 45 11	11°50'59	27°41	4°17	19°44	16°51	16°56	29°12	27°55	13° 2	4°36	9° 2	10°20	19°29	n.a.	T 11
F 12	14 49 7	12°48'08	9♒55	5°44	20°57	17°16	17° 7	29°12	27°57	13° 1	4°36	9°R 3	10°17	19°36	n.a.	F 12
S 13	14 53 4	13°45'17	21°56	7° 7	22°10	17°41	17°18	29°12	28° 0	12°59	4°R36	9° 2	10°14	19°42	n.a.	S 13
S 14	14 57 0	14°42'26	3♓50	8°28	23°22	18° 7	17°29	29°13	28° 2	12°58	4°36	9° 0	10°10	19°49	n.a.	S 14
M15	15 0 57	15°39'34	15°41	9°46	24°35	18°33	17°39	29°13	28° 5	12°57	4°36	8°56	10° 7	19°56	n.a.	M15
T 16	15 4 53	16°36'42	27°34	11° 2	25°48	19° 0	17°50	29°14	28° 8	12°55	4°36	8°50	10° 4	20° 3	n.a.	T 16
W17	15 8 50	17°33'50	9♈32	12°14	27° 1	19°26	18° 0	29°14	28°10	12°54	4°35	8°42	10° 1	20° 9	n.a.	W17
T 18	15 12 46	18°30'58	21°37	13°23	28°13	19°53	18°11	29°15	28°13	12°53	4°35	8°33	9°58	20°16	n.a.	T 18
F 19	15 16 43	19°28'05	3♉53	14°29	29°26	20°20	18°21	29°16	28°15	12°52	4°35	8°24	9°55	20°23	n.a.	F 19
S 20	15 20 40	20°25'13	16°20	15°32	0♉39	20°48	18°31	29°17	28°17	12°50	4°35	8°16	9°51	20°29	n.a.	S 20
S 21	15 24 36	21°22'20	28°58	16°32	1°52	21°16	18°41	29°18	28°20	12°49	4°35	8° 9	9°48	20°36	n.a.	S 21
M22	15 28 33	22°19'27	11♊49	17°29	3° 5	21°44	18°51	29°19	28°22	12°48	4°35	8° 4	9°45	20°43	n.a.	M22
T 23	15 32 29	23°16'34	24°51	18°22	4°18	22°12	19° 1	29°20	28°24	12°47	4°34	8° 1	9°42	20°50	n.a.	T 23
W24	15 36 26	24°13'40	8♋ 5	19°12	5°31	22°41	19°10	29°22	28°27	12°46	4°34	8°D 1	9°39	20°56	n.a.	W24
T 25	15 40 22	25°10'47	21°32	19°58	6°44	23°10	19°20	29°23	28°29	12°45	4°34	8° 1	9°35	21° 3	n.a.	T 25
F 26	15 44 19	26° 7'52	5♌11	20°40	7°57	23°39	19°29	29°25	28°31	12°44	4°34	8° 3	9°32	21°10	n.a.	F 26
S 27	15 48 15	27° 4'58	19° 3	21°19	9°10	24° 8	19°39	29°26	28°33	12°42	4°33	8° 4	9°29	21°16	n.a.	S 27
S 28	15 52 12	28° 2'03	3♍ 8	21°54	10°23	24°38	19°48	29°28	28°35	12°41	4°33	8°R 4	9°26	21°23	n.a.	S 28
M29	15 56 9	28°59'07	17°25	22°24	11°36	25° 8	19°57	29°30	28°37	12°40	4°33	8° 2	9°23	21°30	n.a.	M29
T 30	16 0 5	29°56'12	1♎50	22°50	12°49	25°38	20° 6	29°32	28°40	12°39	4°32	7°59	9°20	21°37	n.a.	T 30
W31	16 4 2	0♊53'16	16♎21	23♊12	14♉ 2	26♌ 8	20♓15	29♌34	28♓42	12♎38	4♒32	7♏55	9♏16	21♓43	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12n27	5n 8	4s15	19n10	1n58	1n37	1s36	18n48	1n42	7s 9	1s17	14n11	2n27	1s39	0s41	3s24	2n 5	32s 4	13s 7	23s24	23s20	0s18			n.a.
T 2	12 47	1s 5	4 48	19 46	2 2	2 6	1 35	18 40	1 41	7 5	1 17	14 11	2 27	1 38	0 41	3 23	2 5	32 5	13 7	23 24	23 20	0 15			n.a.
W 3	13 6	7 17	5 2	20 20	2 6	2 36	1 34	18 31	1 39	7 1	1 17	14 11	2 26	1 37	0 41	3 23	2 5	32 5	13 8	23 25	23 20	0 12			n.a.
T 4	13 26	13 5	4 56	20 51	2 9	3 6	1 33	18 23	1 37	6 56	1 17	14 11	2 26	1 36	0 41	3 22	2 5	32 5	13 8	23 26	23 20	0 9			n.a.
F 5	13 45	18 5	4 30	21 20	2 11	3 35	1 32	18 14	1 35	6 52	1 18	14 11	2 26	1 35	0 41	3 22	2 5	32 5	13 8	23 26	23 21	0 6			n.a.
S 6	14 4	21 54	3 47	21 47	2 13	4 5	1 31	18 6	1 33	6 47	1 18	14 11	2 26	1 33	0 41	3 21	2 5	32 6	13 9	23 27	23 21	0 3			n.a.
S 7	14 23	24 15	2 50	22 11	2 14	4 34	1 30	17 57	1 31	6 43	1 18	14 11	2 26	1 32	0 41	3 21	2 5	32 6	13 9	23 27	23 21	0 0			n.a.
M 8	14 42	25 3	1 45	22 33	2 14	5 3	1 29	17 48	1 29	6 39	1 18	14 11	2 25	1 31	0 41	3 20	2 5	32 6	13 9	23 28	23 21	0n 3			n.a.
T 9	15 0	24 22	0 36	22 52	2 13	5 33	1 28	17 39	1 27	6 34	1 18	14 11	2 25	1 30	0 41	3 20	2 4	32 7	13 10	23 28	23 22	0 6			n.a.
W10	15 18	22 21	0n33	23 10	2 12	6 2	1 27	17 29	1 25	6 30	1 18	14 11	2 25	1 29	0 41	3 19	2 4	32 7	13 10	23 28	23 22	0 9			n.a.
T 11	15 36	19 19	1 38	23 25	2 10	6 31	1 25	17 20	1 24	6 26	1 19	14 10	2 25	1 28	0 41	3 19	2 4	32 7	13 10	23 28	23 22	0 12			n.a.
F 12	15 54	15 29	2 38	23 39	2 7	7 0	1 24	17 11	1 22	6 22	1 19	14 10	2 25	1 27	0 41	3 18	2 4	32 8	13 11	23 28	23 22	0 15			n.a.
S 13	16 11	11 6	3 29	23 50	2 3	7 28	1 22	17 1	1 20	6 18	1 19	14 10	2 24	1 26	0 41	3 18	2 4	32 8	13 11	23 28	23 23	0 18			n.a.
S 14	16 29	6 21	4 11	23 59	1 59	7 57	1 21	16 51	1 18	6 14	1 19	14 10	2 24	1 25	0 41	3 17	2 4	32 8	13 11	23 28	23 23	0 21			n.a.
M15	16 46	1 24	4 42	24 7	1 54	8 26	1 19	16 41	1 17	6 10	1 19	14 9	2 24	1 24	0 41	3 17	2 4	32 9	13 12	23 28	23 23	0 23			n.a.
T 16	17 2	3n36	5 0	24 12	1 49	8 54	1 18	16 31	1 15	6 6	1 20	14 9	2 24	1 23	0 41	3 16	2 4	32 9	13 12	23 29	23 23	0 26			n.a.
W17	17 19	8 30	5 6	24 16	1 42	9 22	1 16	16 21	1 13	6 2	1 20	14 8	2 24	1 22	0 41	3 16	2 4	32 9	13 13	23 29	23 24	0 29			n.a.
T 18	17 35	13 8	4 58	24 18	1 35	9 50	1 15	16 11	1 12	5 58	1 20	14 8	2 23	1 21	0 41	3 15	2 4	32 10	13 13	23 30	23 24	0 32			n.a.
F 19	17 51	17 19	4 37	24 19	1 28	10 18	1 13	16 1	1 10	5 54	1 20	14 7	2 23	1 20	0 41	3 15	2 4	32 10	13 13	23 30	23 24	0 35			n.a.
S 20	18 6	20 48	4 2	24 18	1 20	10 45	1 11	15 50	1 8	5 50	1 20	14 7	2 23	1 19	0 41	3 14	2 4	32 10	13 14	23 31	23 24	0 38			n.a.
S 21	18 22	23 22	3 15	24 15	1 11	11 13	1 9	15 40	1 7	5 46	1 21	14 6	2 23	1 18	0 41	3 14	2 4	32 11	13 14	23 31	23 25	0 41			n.a.
M22	18 37	24 47	2 17	24 11	1 1	11 40	1 7	15 29	1 5	5 43	1 21	14 6	2 23	1 17	0 41	3 14	2 4	32 11	13 14	23 32	23 25	0 44			n.a.
T 23	18 51	24 51	1 11	24 6	0 51	12 6	1 5	15 18	1 3	5 39	1 21	14 5	2 22	1 16	0 41	3 13	2 4	32 12	13 15	23 32	23 25	0 47			n.a.
W24	19 6	23 31	0s 0	24 0	0 40	12 33	1 3	15 7	1 2	5 35	1 21	14 4	2 22	1 15	0 41	3 13	2 4	32 12	13 15	23 32	23 25	0 50			n.a.
T 25	19 20	20 50	1 13	23 52	0 29	12 59	1 1	14 56	1 0	5 32	1 22	14 4	2 22	1 14	0 41	3 12	2 4	32 12	13 15	23 32	23 25	0 53			n.a.
F 26	19 33	16 57	2 22	23 43	0 17	13 25	0 59	14 45	0 59	5 28	1 22	14 3	2 22	1 14	0 41	3 12	2 4	32 13	13 16	23 32	23 26	0 56			n.a.
S 27	19 47	12 5	3 24	23 34	0 4	13 51	0 57	14 33	0 57	5 25	1 22	14 2	2 22	1 13	0 41	3 12	2 4	32 13	13 16	23 32	23 26	0 59			n.a.
S 28	20 0	6 32	4 15	23 23	0s 9	14 16	0 55	14 22	0 55	5 21	1 22	14 1	2 21	1 12	0 41	3 11	2 4	32 14	13 16	23 32	23 26	1 2			n.a.
M29	20 13	0 35	4 51	23 11	0 22	14 41	0 53	14 10	0 54	5 18	1 22	14 1	2 21	1 11	0 41	3 11	2 4	32 14	13 17	23 32	23 26	1 4			n.a.
T 30	20 25	5s27	5 9	22 59	0 36	15 6	0 51	13 59	0 52	5 14	1 23	14 0	2 21	1 10	0 41	3 11	2 4	32 15	13 17	23 32	23 27	1 7			n.a.
W31	20n37	11s14	5s 7	22n46	0s50	15n30	0s49	13n47	0n51	5s11	1s23	13n59	2n21	1s 9	0s41	3s10	2n 4	32s15	13s17	23s32	23s27	1n10			n.a.

Julian Day Number = 1476460.5, Delta T = 05h26m27s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'10, Lahiri = -13°13'09 Julian Calendar 1 May 671 BCE == Greg. Calendar 24 Apr. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

JUNE 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 7 58	1♊50'20	0♏52	23♊30	15♉15	26♌39	20♓24	29♌36	28♓43	12°R38	4°R31	7°R50	9♑13	21♓50	n.a.	T 1
F 2	16 11 55	2°47'25	15°17	23°42	16°28	27°10	20°32	29°38	28°45	12♎37	4♒31	7♑45	9°10	21°57	n.a.	F 2
S 3	16 15 51	3°44'29	29°30	23°51	17°41	27°41	20°41	29°40	28°47	12°36	4°30	7°40	9° 7	22° 3	n.a.	S 3
S 4	16 19 48	4°41'34	13♐26	23°R54	18°54	28°12	20°49	29°43	28°49	12°35	4°30	7°37	9° 4	22°10	n.a.	S 4
M 5	16 23 45	5°38'39	27° 1	23°53	20° 7	28°43	20°57	29°45	28°51	12°34	4°29	7°35	9° 0	22°17	n.a.	M 5
T 6	16 27 41	6°35'44	10♑15	23°47	21°20	29°15	21° 5	29°48	28°53	12°33	4°29	7°D35	8°57	22°24	n.a.	T 6
W 7	16 31 38	7°32'50	23° 6	23°37	22°34	29°47	21°13	29°50	28°54	12°33	4°28	7°35	8°54	22°30	n.a.	W 7
T 8	16 35 34	8°29'56	5♒38	23°21	23°47	0♍19	21°21	29°53	28°56	12°32	4°28	7°37	8°51	22°37	n.a.	T 8
F 9	16 39 31	9°27'03	17°54	23° 2	25° 0	0°51	21°29	29°56	28°58	12°31	4°27	7°38	8°48	22°44	n.a.	F 9
S 10	16 43 27	10°24'11	29°58	22°38	26°14	1°23	21°36	29°59	28°59	12°30	4°26	7°40	8°45	22°50	n.a.	S 10
S 11	16 47 24	11°21'19	11♓53	22°10	27°27	1°56	21°43	0♍ 2	29° 1	12°30	4°26	7°R40	8°41	22°57	n.a.	S 11
M12	16 51 20	12°18'28	23°46	21°39	28°40	2°29	21°51	0° 5	29° 2	12°29	4°25	7°40	8°38	23° 4	n.a.	M12
T 13	16 55 17	13°15'38	5♈41	21° 5	29°54	3° 2	21°58	0° 8	29° 4	12°28	4°24	7°38	8°35	23°11	n.a.	T 13
W14	16 59 14	14°12'48	17°41	20°28	1♊ 7	3°35	22° 5	0°11	29° 5	12°28	4°24	7°35	8°32	23°17	n.a.	W14
T 15	17 3 10	15°10'00	29°52	19°49	2°20	4° 8	22°11	0°15	29° 7	12°27	4°23	7°32	8°29	23°24	n.a.	T 15
F 16	17 7 7	16° 7'12	12♉15	19° 8	3°34	4°42	22°18	0°18	29° 8	12°27	4°22	7°29	8°26	23°31	n.a.	F 16
S 17	17 11 3	17° 4'25	24°53	18°27	4°47	5°15	22°24	0°22	29° 9	12°26	4°21	7°26	8°22	23°37	n.a.	S 17
S 18	17 15 0	18° 1'39	7♊47	17°46	6° 1	5°49	22°31	0°25	29°10	12°26	4°21	7°23	8°19	23°44	n.a.	S 18
M19	17 18 56	18°58'54	20°57	17° 5	7°15	6°23	22°37	0°29	29°12	12°25	4°20	7°22	8°16	23°51	n.a.	M19
T 20	17 22 53	19°56'10	4♋22	16°26	8°28	6°58	22°43	0°33	29°13	12°25	4°19	7°D21	8°13	23°58	n.a.	T 20
W21	17 26 49	20°53'26	18° 1	15°49	9°42	7°32	22°48	0°37	29°14	12°25	4°18	7°21	8°10	24° 4	n.a.	W21
T 22	17 30 46	21°50'43	1♌51	15°14	10°55	8° 7	22°54	0°40	29°15	12°24	4°17	7°22	8° 6	24°11	n.a.	T 22
F 23	17 34 43	22°48'00	15°51	14°43	12° 9	8°41	23° 0	0°45	29°16	12°24	4°16	7°23	8° 3	24°18	n.a.	F 23
S 24	17 38 39	23°45'18	29°58	14°17	13°23	9°16	23° 5	0°49	29°17	12°24	4°16	7°24	8° 0	24°25	n.a.	S 24
S 25	17 42 36	24°42'37	14♍10	13°55	14°36	9°51	23°10	0°53	29°18	12°24	4°15	7°25	7°57	24°31	n.a.	S 25
M26	17 46 32	25°39'56	28°24	13°37	15°50	10°27	23°15	0°57	29°19	12°23	4°14	7°R25	7°54	24°38	n.a.	M26
T 27	17 50 29	26°37'16	12♎38	13°26	17° 4	11° 2	23°20	1° 1	29°19	12°23	4°13	7°25	7°51	24°45	n.a.	T 27
W28	17 54 25	27°34'37	26°49	13°D20	18°18	11°38	23°24	1° 6	29°20	12°23	4°12	7°24	7°47	24°51	n.a.	W28
T 29	17 58 22	28°31'59	10♏55	13°20	19°31	12°13	23°29	1°10	29°21	12°23	4°11	7°23	7°44	24°58	n.a.	T 29
F 30	18 2 19	29♊29'21	24♏52	13♊27	20♊45	12♍49	23♓33	1♍15	29♓21	12♎23	4♒10	7♑22	7♑41	25♓ 5	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n49	16s23	4s46	22n32	1s 5	15n54	0s47	13n35	0n49	5s 8	1s23	13n58	2n21	1s 9	0s41	3s10	2n 3	32s15	13s18	23s32	23s27	1n13		n.a.
F 2	21 1	20 34	4 7	22 17	1 20	16 17	0 44	13 23	0 48	5 5	1 23	13 57	2 20	1 8	0 41	3 10	2 3	32 16	13 18	23 33	23 27	1 16		n.a.
S 3	21 12	23 27	3 13	22 3	1 35	16 40	0 42	13 11	0 47	5 1	1 24	13 56	2 20	1 7	0 41	3 9	2 3	32 16	13 18	23 33	23 27	1 19		n.a.
S 4	21 22	24 51	2 8	21 47	1 51	17 3	0 40	12 58	0 45	4 58	1 24	13 55	2 20	1 6	0 41	3 9	2 3	32 17	13 19	23 33	23 28	1 22		n.a.
M 5	21 33	24 42	0 57	21 32	2 6	17 25	0 37	12 46	0 44	4 55	1 24	13 54	2 20	1 6	0 41	3 9	2 3	32 17	13 19	23 33	23 28	1 25		n.a.
T 6	21 43	23 8	0n15	21 16	2 21	17 47	0 35	12 33	0 42	4 52	1 24	13 53	2 20	1 5	0 41	3 8	2 3	32 18	13 19	23 33	23 28	1 28		n.a.
W 7	21 53	20 23	1 24	21 1	2 37	18 9	0 33	12 21	0 41	4 49	1 25	13 51	2 19	1 4	0 42	3 8	2 3	32 18	13 20	23 33	23 28	1 31		n.a.
T 8	22 2	16 45	2 28	20 45	2 51	18 30	0 30	12 8	0 39	4 46	1 25	13 50	2 19	1 4	0 42	3 8	2 3	32 18	13 20	23 33	23 29	1 34		n.a.
F 9	22 11	12 28	3 23	20 30	3 6	18 50	0 28	11 55	0 38	4 44	1 25	13 49	2 19	1 3	0 42	3 8	2 3	32 19	13 20	23 33	23 29	1 36		n.a.
S 10	22 19	7 46	4 9	20 15	3 20	19 10	0 26	11 42	0 37	4 41	1 25	13 48	2 19	1 3	0 42	3 8	2 3	32 19	13 20	23 33	23 29	1 39		n.a.
S 11	22 27	2 51	4 43	20 0	3 33	19 29	0 23	11 29	0 35	4 38	1 26	13 47	2 19	1 2	0 42	3 7	2 3	32 20	13 21	23 33	23 29	1 42		n.a.
M12	22 35	2n 9	5 5	19 46	3 45	19 48	0 21	11 16	0 34	4 36	1 26	13 45	2 18	1 1	0 42	3 7	2 3	32 20	13 21	23 33	23 29	1 45		n.a.
T 13	22 43	7 4	5 14	19 32	3 57	20 7	0 18	11 3	0 33	4 33	1 26	13 44	2 18	1 1	0 42	3 7	2 3	32 21	13 21	23 33	23 30	1 48		n.a.
W14	22 50	11 47	5 9	19 19	4 7	20 25	0 16	10 49	0 31	4 30	1 26	13 43	2 18	1 0	0 42	3 7	2 3	32 21	13 22	23 33	23 30	1 51		n.a.
T 15	22 56	16 6	4 51	19 7	4 16	20 42	0 13	10 36	0 30	4 28	1 27	13 41	2 18	1 0	0 42	3 7	2 3	32 22	13 22	23 34	23 30	1 54		n.a.
F 16	23 2	19 49	4 18	18 57	4 24	20 59	0 11	10 22	0 29	4 26	1 27	13 40	2 18	0 59	0 42	3 6	2 3	32 22	13 22	23 34	23 30	1 57		n.a.
S 17	23 8	22 41	3 33	18 47	4 30	21 15	0 8	10 8	0 27	4 23	1 27	13 38	2 18	0 59	0 42	3 6	2 3	32 23	13 23	23 34	23 30	2 0		n.a.
S 18	23 14	24 28	2 36	18 39	4 34	21 31	0 6	9 55	0 26	4 21	1 28	13 37	2 17	0 58	0 42	3 6	2 2	32 23	13 23	23 34	23 31	2 3		n.a.
M19	23 19	24 57	1 29	18 33	4 37	21 46	0 4	9 41	0 25	4 19	1 28	13 35	2 17	0 58	0 42	3 6	2 2	32 24	13 23	23 34	23 31	2 5		n.a.
T 20	23 23	23 59	0 16	18 28	4 38	22 0	0 1	9 27	0 24	4 17	1 28	13 34	2 17	0 57	0 42	3 6	2 2	32 24	13 23	23 34	23 31	2 8		n.a.
W21	23 27	21 35	0s59	18 24	4 38	22 14	0n 1	9 12	0 22	4 15	1 28	13 32	2 17	0 57	0 42	3 6	2 2	32 25	13 24	23 34	23 31	2 11		n.a.
T 22	23 31	17 54	2 11	18 23	4 36	22 27	0 4	8 58	0 21	4 13	1 29	13 31	2 17	0 57	0 42	3 6	2 2	32 25	13 24	23 34	23 31	2 14		n.a.
F 23	23 35	13 11	3 17	18 23	4 32	22 40	0 6	8 44	0 20	4 11	1 29	13 29	2 17	0 56	0 42	3 6	2 2	32 26	13 24	23 34	23 32	2 17		n.a.
S 24	23 38	7 43	4 11	18 26	4 26	22 52	0 9	8 29	0 19	4 9	1 29	13 28	2 16	0 56	0 42	3 6	2 2	32 26	13 24	23 34	23 32	2 20		n.a.
S 25	23 40	1 51	4 51	18 30	4 19	23 3	0 11	8 15	0 17	4 7	1 30	13 26	2 16	0 56	0 42	3 6	2 2	32 26	13 25	23 34	23 32	2 23		n.a.
M26	23 42	4s 7	5 12	18 36	4 11	23 14	0 13	8 0	0 16	4 5	1 30	13 24	2 16	0 55	0 42	3 6	2 2	32 27	13 25	23 34	23 32	2 26		n.a.
T 27	23 44	9 53	5 15	18 44	4 2	23 24	0 16	7 46	0 15	4 4	1 30	13 23	2 16	0 55	0 42	3 6	2 2	32 27	13 25	23 34	23 32	2 28		n.a.
W28	23 45	15 6	4 58	18 54	3 51	23 33	0 18	7 31	0 14	4 2	1 30	13 21	2 16	0 55	0 42	3 6	2 2	32 28	13 25	23 34	23 33	2 31		n.a.
T 29	23 46	19 29	4 24	19 5	3 40	23 42	0 20	7 16	0 13	4 1	1 31	13 19	2 16	0 54	0 42	3 6	2 2	32 28	13 26	23 34	23 33	2 34		n.a.
F 30	23n46	22s42	3s34	19n19	3s27	23n50	0n23	7n 1	0n11	3s59	1s31	13n17	2n15	0s54	0s42	3s 6	2n 2	32s29	13s26	23s34	23s33	2n37		n.a.

Julian Day Number = 1476491.5, Delta T = 05h26m25s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'06, Lahiri = -13°13'05 Julian Calendar 1 June 671 BCE == Greg. Calendar 25 May 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

JULY 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 6 15	0♋26'44	8♐37	13♊40	21♊59	13♍25	23♓37	1♍19	29♓22	12°R23	4°R 9	7°R21	7♑38	25♓12	n.a.	S 1
S 2	18 10 12	1°24'09	22° 9	14° 0	23°13	14° 2	23°41	1°24	29°23	12°D23	4♒ 8	7♑21	7°35	25°18	n.a.	S 2
M 3	18 14 8	2°21'35	5♑26	14°26	24°27	14°38	23°45	1°29	29°23	12♎23	4° 7	7°D20	7°32	25°25	n.a.	M 3
T 4	18 18 5	3°19'01	18°25	14°58	25°41	15°14	23°48	1°34	29°24	12°23	4° 6	7°20	7°28	25°32	n.a.	T 4
W 5	18 22 1	4°16'29	1♒ 8	15°38	26°55	15°51	23°52	1°38	29°24	12°23	4° 5	7°21	7°25	25°38	n.a.	W 5
T 6	18 25 58	5°13'59	13°36	16°23	28° 9	16°28	23°55	1°43	29°24	12°23	4° 4	7°21	7°22	25°45	n.a.	T 6
F 7	18 29 54	6°11'29	25°49	17°15	29°23	17° 5	23°58	1°48	29°25	12°23	4° 3	7°21	7°19	25°52	n.a.	F 7
S 8	18 33 51	7° 9'02	7♓53	18°14	0♋37	17°42	24° 1	1°53	29°25	12°23	4° 1	7°R21	7°16	25°59	n.a.	S 8
S 9	18 37 48	8° 6'35	19°49	19°18	1°51	18°19	24° 3	1°59	29°25	12°24	4° 0	7°21	7°12	26° 5	n.a.	S 9
M10	18 41 44	9° 4'11	1♈42	20°29	3° 5	18°56	24° 6	2° 4	29°25	12°24	3°59	7°21	7° 9	26°12	n.a.	M10
T 11	18 45 41	10° 1'48	13°36	21°45	4°19	19°33	24° 8	2° 9	29°25	12°24	3°58	7°D21	7° 6	26°19	n.a.	T 11
W12	18 49 37	10°59'26	25°37	23° 6	5°33	20°11	24°10	2°14	29°25	12°24	3°57	7°21	7° 3	26°26	n.a.	W12
T 13	18 53 34	11°57'07	7♉48	24°33	6°47	20°49	24°12	2°20	29°R25	12°25	3°56	7°22	7° 0	26°32	n.a.	T 13
F 14	18 57 30	12°54'49	20°14	26° 5	8° 2	21°27	24°14	2°25	29°25	12°25	3°55	7°22	6°57	26°39	n.a.	F 14
S 15	19 1 27	13°52'33	2♊58	27°41	9°16	22° 4	24°15	2°31	29°25	12°26	3°54	7°23	6°53	26°46	n.a.	S 15
S 16	19 5 23	14°50'19	16° 2	29°21	10°30	22°43	24°16	2°36	29°25	12°26	3°52	7°23	6°50	26°52	n.a.	S 16
M17	19 9 20	15°48'06	29°28	1♋ 4	11°44	23°21	24°18	2°42	29°25	12°26	3°51	7°24	6°47	26°59	n.a.	M17
T 18	19 13 17	16°45'55	13♋13	2°51	12°59	23°59	24°18	2°48	29°25	12°27	3°50	7°R24	6°44	27° 6	n.a.	T 18
W19	19 17 13	17°43'46	27°17	4°41	14°13	24°38	24°19	2°53	29°25	12°28	3°49	7°23	6°41	27°13	n.a.	W19
T 20	19 21 10	18°41'38	11♌36	6°34	15°27	25°16	24°20	2°59	29°24	12°28	3°48	7°22	6°38	27°19	n.a.	T 20
F 21	19 25 6	19°39'31	26° 3	8°28	16°42	25°55	24°20	3° 5	29°24	12°29	3°46	7°21	6°34	27°26	n.a.	F 21
S 22	19 29 3	20°37'27	10♍34	10°24	17°56	26°34	24°R20	3°11	29°23	12°29	3°45	7°19	6°31	27°33	n.a.	S 22
S 23	19 32 59	21°35'23	25° 3	12°21	19°11	27°13	24°20	3°17	29°23	12°30	3°44	7°18	6°28	27°39	n.a.	S 23
M24	19 36 56	22°33'21	9♎25	14°19	20°25	27°52	24°19	3°23	29°22	12°31	3°43	7°17	6°25	27°46	n.a.	M24
T 25	19 40 52	23°31'20	23°38	16°17	21°39	28°31	24°19	3°29	29°22	12°31	3°41	7°D17	6°22	27°53	n.a.	T 25
W26	19 44 49	24°29'21	7♏39	18°16	22°54	29°11	24°18	3°35	29°21	12°32	3°40	7°17	6°18	28° 0	n.a.	W26
T 27	19 48 46	25°27'23	21°26	20°15	24° 8	29°50	24°17	3°41	29°21	12°33	3°39	7°18	6°15	28° 6	n.a.	T 27
F 28	19 52 42	26°25'27	5♐ 0	22°13	25°23	0♎30	24°16	3°48	29°20	12°34	3°38	7°19	6°12	28°13	n.a.	F 28
S 29	19 56 39	27°23'32	18°20	24°11	26°37	1° 9	24°15	3°54	29°19	12°35	3°36	7°21	6° 9	28°20	n.a.	S 29
S 30	20 0 35	28°21'40	1♑27	26° 9	27°52	1°49	24°13	4° 0	29°18	12°36	3°35	7°R21	6° 6	28°27	n.a.	S 30
M31	20 4 32	29♋19'48	14♑21	28♋ 5	29♋ 7	2♎29	24♓12	4♍ 6	29♓17	12♎36	3♒34	7♑21	6♑ 3	28♓33	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n47	24s34	2s32	19n33	3s14	23n57	0n25	6n46	0n10	3s58	1s31	13n15	2n15	0s54	0s42	3s 6	2n 2	32s29	13s26	23s34	23s33	2n40		n.a.
S 2	23 46	24 55	1 23	19 49	3 0	24 3	0 27	6 31	0 9	3 56	1 32	13 14	2 15	0 54	0 42	3 6	2 2	32 30	13 26	23 34	23 33	2 43		n.a.
M 3	23 45	23 50	0 11	20 7	2 45	24 9	0 29	6 15	0 8	3 55	1 32	13 12	2 15	0 54	0 42	3 6	2 1	32 30	13 27	23 34	23 34	2 46		n.a.
T 4	23 44	21 29	1n 1	20 25	2 31	24 14	0 32	6 0	0 7	3 54	1 32	13 10	2 15	0 53	0 42	3 6	2 1	32 31	13 27	23 34	23 34	2 49		n.a.
W 5	23 42	18 6	2 8	20 45	2 16	24 18	0 34	5 45	0 6	3 53	1 33	13 8	2 15	0 53	0 42	3 6	2 1	32 31	13 27	23 34	23 34	2 51		n.a.
T 6	23 40	13 59	3 8	21 5	2 0	24 22	0 36	5 29	0 5	3 52	1 33	13 6	2 14	0 53	0 42	3 6	2 1	32 32	13 27	23 34	23 34	2 54		n.a.
F 7	23 38	9 22	3 58	21 25	1 45	24 25	0 38	5 14	0 3	3 51	1 33	13 4	2 14	0 53	0 42	3 6	2 1	32 32	13 27	23 34	23 34	2 57		n.a.
S 8	23 35	4 28	4 36	21 46	1 29	24 27	0 40	4 58	0 2	3 50	1 33	13 2	2 14	0 53	0 42	3 6	2 1	32 33	13 28	23 34	23 34	3 0		n.a.
S 9	23 31	0n32	5 2	22 6	1 14	24 28	0 42	4 42	0 1	3 49	1 34	13 0	2 14	0 53	0 42	3 7	2 1	32 33	13 28	23 34	23 35	3 3		n.a.
M10	23 28	5 30	5 15	22 27	0 59	24 29	0 44	4 27	0 0	3 49	1 34	12 58	2 14	0 53	0 43	3 7	2 1	32 34	13 28	23 34	23 35	3 6		n.a.
T 11	23 23	10 16	5 15	22 47	0 44	24 29	0 46	4 11	0s 1	3 48	1 34	12 56	2 14	0 53	0 43	3 7	2 1	32 34	13 28	23 34	23 35	3 9		n.a.
W12	23 19	14 42	5 1	23 6	0 30	24 28	0 48	3 55	0 2	3 47	1 35	12 54	2 14	0 53	0 43	3 7	2 1	32 35	13 28	23 34	23 35	3 11		n.a.
T 13	23 14	18 36	4 33	23 24	0 16	24 26	0 50	3 39	0 3	3 47	1 35	12 52	2 14	0 53	0 43	3 7	2 1	32 35	13 28	23 34	23 35	3 14		n.a.
F 14	23 8	21 47	3 53	23 40	0 3	24 24	0 52	3 23	0 4	3 47	1 35	12 50	2 13	0 53	0 43	3 8	2 1	32 35	13 29	23 34	23 35	3 17		n.a.
S 15	23 2	23 59	2 59	23 56	0n10	24 21	0 54	3 7	0 5	3 46	1 36	12 47	2 13	0 53	0 43	3 8	2 1	32 36	13 29	23 34	23 36	3 20		n.a.
S 16	22 56	24 57	1 56	24 9	0 22	24 17	0 56	2 50	0 6	3 46	1 36	12 45	2 13	0 53	0 43	3 8	2 1	32 36	13 29	23 34	23 36	3 23		n.a.
M17	22 50	24 30	0 44	24 20	0 34	24 12	0 58	2 34	0 7	3 46	1 36	12 43	2 13	0 53	0 43	3 8	2 1	32 37	13 29	23 34	23 36	3 26		n.a.
T 18	22 42	22 34	0s32	24 29	0 44	24 7	0 59	2 18	0 8	3 46	1 36	12 41	2 13	0 53	0 43	3 8	2 0	32 37	13 29	23 34	23 36	3 28		n.a.
W19	22 35	19 14	1 48	24 36	0 54	24 1	1 1	2 1	0 9	3 46	1 37	12 39	2 13	0 53	0 43	3 9	2 0	32 38	13 29	23 34	23 36	3 31		n.a.
T 20	22 27	14 42	2 58	24 40	1 3	23 54	1 2	1 45	0 10	3 46	1 37	12 36	2 13	0 54	0 43	3 9	2 0	32 38	13 29	23 34	23 36	3 34		n.a.
F 21	22 19	9 17	3 58	24 41	1 11	23 46	1 4	1 28	0 11	3 46	1 37	12 34	2 13	0 54	0 43	3 9	2 0	32 39	13 30	23 34	23 37	3 37		n.a.
S 22	22 10	3 22	4 42	24 40	1 19	23 38	1 6	1 12	0 12	3 46	1 38	12 32	2 12	0 54	0 43	3 10	2 0	32 39	13 30	23 34	23 37	3 40		n.a.
S 23	22 1	2s43	5 9	24 36	1 25	23 29	1 7	0 55	0 13	3 47	1 38	12 30	2 12	0 54	0 43	3 10	2 0	32 39	13 30	23 34	23 37	3 43		n.a.
M24	21 52	8 36	5 15	24 30	1 31	23 20	1 8	0 39	0 14	3 47	1 38	12 27	2 12	0 54	0 43	3 10	2 0	32 40	13 30	23 34	23 37	3 45		n.a.
T 25	21 42	13 59	5 3	24 21	1 35	23 9	1 10	0 22	0 15	3 48	1 39	12 25	2 12	0 55	0 43	3 11	2 0	32 40	13 30	23 34	23 37	3 48		n.a.
W26	21 31	18 32	4 33	24 9	1 39	22 58	1 11	0 5	0 16	3 48	1 39	12 23	2 12	0 55	0 43	3 11	2 0	32 41	13 30	23 34	23 37	3 51		n.a.
T 27	21 21	22 1	3 47	23 55	1 42	22 46	1 12	0s12	0 17	3 49	1 39	12 20	2 12	0 55	0 43	3 11	2 0	32 41	13 30	23 34	23 38	3 54		n.a.
F 28	21 10	24 12	2 49	23 38	1 45	22 34	1 13	0 28	0 18	3 49	1 39	12 18	2 12	0 56	0 43	3 12	2 0	32 41	13 30	23 34	23 38	3 57		n.a.
S 29	20 58	24 58	1 43	23 19	1 46	22 21	1 15	0 45	0 19	3 50	1 40	12 16	2 12	0 56	0 43	3 12	2 0	32 42	13 30	23 34	23 38	4 0		n.a.
S 30	20 47	24 19	0 33	22 59	1 47	22 7	1 16	1 2	0 20	3 51	1 40	12 13	2 12	0 56	0 43	3 13	2 0	32 42	13 30	23 34	23 38	4 2		n.a.
M31	20n35	22s21	0n38	22n36	1n48	21n52	1n17	1s19	0s21	3s52	1s40	12n11	2n12	0s57	0s43	3s13	2n 0	32s43	13s30	23s34	23s38	4n 5		n.a.

Julian Day Number = 1476521.5, Delta T = 05h26m24s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°20'01, Lahiri = -13°13'01 Julian Calendar 1 July 671 BCE == Greg. Calendar 24 June 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

AUGUST 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 8 28	0♌17'59	27♉ 2	0♌ 1	0♌21	3♎ 9	24°R10	4♍13	29°R17	12♎37	3°R33	7°R20	5♉59	28♓40	n.a.	T 1
W 2	20 12 25	1°16'11	9♒32	1°56	1°36	3°49	24♓ 8	4°19	29♓16	12°38	3♒31	7♉18	5°56	28°47	n.a.	W 2
T 3	20 16 21	2°14'26	21°50	3°50	2°50	4°29	24° 5	4°26	29°15	12°39	3°30	7°14	5°53	28°53	n.a.	T 3
F 4	20 20 18	3°12'42	3♓59	5°43	4° 5	5°10	24° 3	4°32	29°14	12°40	3°29	7°10	5°50	29° 0	n.a.	F 4
S 5	20 24 15	4°11'00	15°59	7°35	5°20	5°50	24° 0	4°39	29°12	12°41	3°28	7° 6	5°47	29° 7	n.a.	S 5
S 6	20 28 11	5° 9'21	27°53	9°26	6°34	6°31	23°57	4°45	29°11	12°43	3°26	7° 1	5°44	29°14	n.a.	S 6
M 7	20 32 8	6° 7'43	9♈45	11°16	7°49	7°11	23°54	4°52	29°10	12°44	3°25	6°58	5°40	29°20	n.a.	M 7
T 8	20 36 4	7° 6'08	21°39	13° 4	9° 4	7°52	23°51	4°58	29° 9	12°45	3°24	6°55	5°37	29°27	n.a.	T 8
W 9	20 40 1	8° 4'35	3♉37	14°52	10°18	8°33	23°48	5° 5	29° 8	12°46	3°23	6°D54	5°34	29°34	n.a.	W 9
T 10	20 43 57	9° 3'05	15°46	16°38	11°33	9°14	23°44	5°12	29° 6	12°47	3°21	6°54	5°31	29°41	n.a.	T 10
F 11	20 47 54	10° 1'37	28° 9	18°24	12°48	9°55	23°40	5°19	29° 5	12°48	3°20	6°55	5°28	29°47	n.a.	F 11
S 12	20 51 50	11° 0'11	10♊52	20° 8	14° 3	10°36	23°36	5°25	29° 4	12°50	3°19	6°57	5°24	29°54	n.a.	S 12
S 13	20 55 47	11°58'47	23°58	21°51	15°18	11°18	23°32	5°32	29° 2	12°51	3°17	6°58	5°21	0♈ 1	n.a.	S 13
M14	20 59 44	12°57'26	7♋29	23°33	16°32	11°59	23°28	5°39	29° 1	12°52	3°16	6°R59	5°18	0° 7	n.a.	M14
T 15	21 3 40	13°56'07	21°27	25°14	17°47	12°40	23°23	5°46	28°59	12°54	3°15	6°58	5°15	0°14	n.a.	T 15
W16	21 7 37	14°54'50	5♌48	26°54	19° 2	13°22	23°18	5°53	28°58	12°55	3°14	6°55	5°12	0°21	n.a.	W16
T 17	21 11 33	15°53'35	20°30	28°33	20°17	14° 4	23°13	6° 0	28°56	12°56	3°13	6°51	5° 9	0°28	n.a.	T 17
F 18	21 15 30	16°52'23	5♍23	0♍11	21°32	14°45	23° 8	6° 7	28°55	12°58	3°11	6°45	5° 5	0°34	n.a.	F 18
S 19	21 19 26	17°51'12	20°21	1°48	22°47	15°27	23° 3	6°14	28°53	12°59	3°10	6°39	5° 2	0°41	n.a.	S 19
S 20	21 23 23	18°50'03	5♎14	3°24	24° 2	16° 9	22°58	6°21	28°51	13° 1	3° 9	6°33	4°59	0°48	n.a.	S 20
M21	21 27 19	19°48'56	19°54	4°59	25°17	16°51	22°52	6°28	28°49	13° 2	3° 8	6°28	4°56	0°54	n.a.	M21
T 22	21 31 16	20°47'51	4♏16	6°33	26°32	17°34	22°46	6°35	28°48	13° 4	3° 6	6°25	4°53	1° 1	n.a.	T 22
W23	21 35 12	21°46'48	18°17	8° 6	27°46	18°16	22°41	6°42	28°46	13° 5	3° 5	6°D24	4°50	1° 8	n.a.	W23
T 24	21 39 9	22°45'47	1♐57	9°39	29° 1	18°58	22°35	6°49	28°44	13° 7	3° 4	6°24	4°46	1°15	n.a.	T 24
F 25	21 43 6	23°44'47	15°17	11°10	0♍16	19°41	22°28	6°56	28°42	13° 8	3° 3	6°26	4°43	1°21	n.a.	F 25
S 26	21 47 2	24°43'50	28°20	12°40	1°31	20°23	22°22	7° 3	28°40	13°10	3° 2	6°27	4°40	1°28	n.a.	S 26
S 27	21 50 59	25°42'54	11♑ 7	14°10	2°46	21° 6	22°16	7°10	28°38	13°12	3° 1	6°R27	4°37	1°35	n.a.	S 27
M28	21 54 55	26°42'01	23°42	15°38	4° 1	21°48	22° 9	7°17	28°36	13°13	2°59	6°25	4°34	1°42	n.a.	M28
T 29	21 58 52	27°41'09	6♒ 6	17° 6	5°16	22°31	22° 2	7°24	28°34	13°15	2°58	6°21	4°30	1°48	n.a.	T 29
W30	22 2 48	28°40'20	18°21	18°32	6°31	23°14	21°56	7°32	28°32	13°17	2°57	6°15	4°27	1°55	n.a.	W30
T 31	22 6 45	29♌39'32	0♓29	19♍58	7♍46	23♎57	21♓49	7♍39	28♓30	13♎19	2♒56	6♑ 7	4♑24	2♈ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	20n22	19s19	1n46	22n11	1n47	21n37	1n18	1s36	0s22	3s53	1s41	12n 8	2n12	0s57	0s43	3s13	2n 0	32s43	13s30	23s34	23s38	4n 8			n.a.
W 2	20 9	15 26	2 48	21 44	1 46	21 22	1 19	1 53	0 22	3 54	1 41	12 6	2 11	0 57	0 43	3 14	2 0	32 43	13 31	23 34	23 38	4 11			n.a.
T 3	19 56	10 57	3 40	21 16	1 45	21 5	1 19	2 10	0 23	3 55	1 41	12 3	2 11	0 58	0 43	3 14	1 59	32 44	13 31	23 35	23 39	4 14			n.a.
F 4	19 43	6 7	4 22	20 46	1 43	20 48	1 20	2 27	0 24	3 57	1 41	12 1	2 11	0 58	0 43	3 15	1 59	32 44	13 31	23 35	23 39	4 16			n.a.
S 5	19 29	1 8	4 52	20 15	1 41	20 31	1 21	2 44	0 25	3 58	1 42	11 58	2 11	0 59	0 43	3 15	1 59	32 44	13 31	23 35	23 39	4 19			n.a.
S 6	19 15	3n51	5 9	19 42	1 38	20 12	1 22	3 1	0 26	3 59	1 42	11 56	2 11	0 59	0 43	3 16	1 59	32 45	13 31	23 35	23 39	4 22			n.a.
M 7	19 0	8 41	5 12	19 9	1 34	19 54	1 22	3 18	0 27	4 1	1 42	11 53	2 11	1 0	0 43	3 16	1 59	32 45	13 31	23 35	23 39	4 25			n.a.
T 8	18 45	13 13	5 2	18 34	1 30	19 34	1 23	3 35	0 28	4 2	1 43	11 51	2 11	1 0	0 43	3 17	1 59	32 46	13 31	23 36	23 39	4 28			n.a.
W 9	18 30	17 16	4 39	17 59	1 26	19 14	1 23	3 52	0 29	4 4	1 43	11 48	2 11	1 1	0 43	3 17	1 59	32 46	13 31	23 36	23 39	4 30			n.a.
T 10	18 15	20 40	4 4	17 22	1 22	18 54	1 24	4 10	0 29	4 6	1 43	11 46	2 11	1 1	0 43	3 18	1 59	32 46	13 31	23 36	23 40	4 33			n.a.
F 11	17 59	23 12	3 16	16 45	1 17	18 33	1 24	4 27	0 30	4 7	1 43	11 43	2 11	1 2	0 43	3 18	1 59	32 47	13 31	23 36	23 40	4 36			n.a.
S 12	17 43	24 39	2 18	16 7	1 12	18 11	1 24	4 44	0 31	4 9	1 44	11 41	2 11	1 2	0 43	3 19	1 59	32 47	13 31	23 35	23 40	4 39			n.a.
S 13	17 26	24 48	1 10	15 28	1 7	17 49	1 24	5 1	0 32	4 11	1 44	11 38	2 11	1 3	0 43	3 19	1 59	32 47	13 31	23 35	23 40	4 42			n.a.
M14	17 10	23 31	0s 3	14 49	1 1	17 26	1 25	5 18	0 33	4 13	1 44	11 35	2 11	1 4	0 44	3 20	1 59	32 47	13 31	23 35	23 40	4 44			n.a.
T 15	16 53	20 45	1 18	14 9	0 55	17 3	1 25	5 35	0 34	4 15	1 44	11 33	2 11	1 4	0 44	3 21	1 59	32 48	13 31	23 35	23 40	4 47			n.a.
W16	16 35	16 40	2 30	13 29	0 49	16 40	1 25	5 52	0 34	4 17	1 44	11 30	2 11	1 5	0 44	3 21	1 59	32 48	13 31	23 36	23 40	4 50			n.a.
T 17	16 18	11 29	3 34	12 49	0 43	16 16	1 25	6 10	0 35	4 20	1 45	11 27	2 11	1 6	0 44	3 22	1 59	32 48	13 31	23 36	23 40	4 53			n.a.
F 18	16 0	5 34	4 24	12 8	0 36	15 51	1 24	6 27	0 36	4 22	1 45	11 25	2 11	1 6	0 44	3 22	1 59	32 49	13 31	23 36	23 41	4 55			n.a.
S 19	15 42	0s40	4 57	11 27	0 30	15 26	1 24	6 44	0 37	4 24	1 45	11 22	2 11	1 7	0 44	3 23	1 59	32 49	13 31	23 36	23 41	4 58			n.a.
S 20	15 23	6 49	5 9	10 46	0 23	15 1	1 24	7 1	0 37	4 26	1 45	11 20	2 10	1 8	0 44	3 24	1 58	32 49	13 31	23 37	23 41	5 1			n.a.
M21	15 5	12 30	5 1	10 4	0 16	14 35	1 24	7 18	0 38	4 29	1 46	11 17	2 10	1 8	0 44	3 24	1 58	32 49	13 30	23 37	23 41	5 4			n.a.
T 22	14 46	17 24	4 33	9 22	0 9	14 9	1 23	7 35	0 39	4 31	1 46	11 14	2 10	1 9	0 44	3 25	1 58	32 50	13 30	23 37	23 41	5 6			n.a.
W23	14 27	21 12	3 50	8 41	0 2	13 43	1 23	7 52	0 40	4 34	1 46	11 12	2 10	1 10	0 44	3 26	1 58	32 50	13 30	23 37	23 41	5 9			n.a.
T 24	14 7	23 42	2 55	7 59	0s 5	13 16	1 22	8 9	0 40	4 36	1 46	11 9	2 10	1 11	0 44	3 26	1 58	32 50	13 30	23 37	23 41	5 12			n.a.
F 25	13 48	24 48	1 52	7 17	0 12	12 48	1 22	8 26	0 41	4 39	1 46	11 6	2 10	1 11	0 44	3 27	1 58	32 50	13 30	23 37	23 41	5 15			n.a.
S 26	13 28	24 30	0 44	6 36	0 20	12 21	1 21	8 43	0 42	4 42	1 47	11 3	2 10	1 12	0 44	3 28	1 58	32 51	13 30	23 37	23 42	5 18			n.a.
S 27	13 8	22 53	0n25	5 54	0 27	11 53	1 21	9 0	0 43	4 44	1 47	11 1	2 10	1 13	0 44	3 28	1 58	32 51	13 30	23 37	23 42	5 20			n.a.
M28	12 47	20 10	1 31	5 13	0 34	11 25	1 20	9 17	0 43	4 47	1 47	10 58	2 10	1 14	0 44	3 29	1 58	32 51	13 30	23 37	23 42	5 23			n.a.
T 29	12 27	16 33	2 32	4 32	0 42	10 56	1 19	9 34	0 44	4 50	1 47	10 55	2 10	1 15	0 44	3 30	1 58	32 51	13 30	23 37	23 42	5 26			n.a.
W30	12 6	12 17	3 25	3 51	0 49	10 27	1 18	9 50	0 45	4 53	1 47	10 53	2 10	1 15	0 44	3 30	1 58	32 51	13 30	23 38	23 42	5 29			n.a.
T 31	11n45	7s35	4n 8	3n10	0s57	9n58	1n17	10s 7	0s45	4s56	1s47	10n50	2n10	1s16	0s44	3s31	1n58	32s51	13s30	23s38	23s42	5n31			n.a.

Julian Day Number = 1476552.5, Delta T = 05h26m22s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'57, Lahiri = -13°12'57 Julian Calendar 1 Aug. 671 BCE == Greg. Calendar 25 July 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

SEPTEMBER 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 10 41	0♍38'47	12♓31	21♍23	9♍ 1	24♎40	21°R42	7♍46	28°R28	13♎20	2°R55	5°R56	4♑21	2♈ 8	n.a.	F 1
S 2	22 14 38	1°38'03	24°27	22°46	10°16	25°23	21♓34	7°53	28♓26	13°22	2♒54	5♑45	4°18	2°15	n.a.	S 2
S 3	22 18 35	2°37'23	6♈20	24° 9	11°31	26° 6	21°27	8° 0	28°24	13°24	2°53	5°35	4°15	2°22	n.a.	S 3
M 4	22 22 31	3°36'44	18°11	25°30	12°46	26°50	21°20	8° 7	28°22	13°26	2°52	5°25	4°11	2°29	n.a.	M 4
T 5	22 26 28	4°36'08	0♉ 3	26°51	14° 1	27°33	21°12	8°15	28°20	13°27	2°51	5°17	4° 8	2°35	n.a.	T 5
W 6	22 30 24	5°35'34	12° 0	28°10	15°16	28°17	21° 5	8°22	28°17	13°29	2°50	5°12	4° 5	2°42	n.a.	W 6
T 7	22 34 21	6°35'03	24° 6	29°28	16°31	29° 0	20°57	8°29	28°15	13°31	2°49	5° 9	4° 2	2°49	n.a.	T 7
F 8	22 38 17	7°34'34	6♊25	0♎45	17°46	29°44	20°50	8°36	28°13	13°33	2°48	5°D 8	3°59	2°56	n.a.	F 8
S 9	22 42 14	8°34'07	19° 2	2° 0	19° 1	0♏27	20°42	8°44	28°11	13°35	2°47	5° 9	3°55	3° 2	n.a.	S 9
S 10	22 46 10	9°33'44	2♋ 2	3°14	20°16	1°11	20°34	8°51	28° 8	13°37	2°46	5°R 9	3°52	3° 9	n.a.	S 10
M11	22 50 7	10°33'22	15°30	4°26	21°31	1°55	20°26	8°58	28° 6	13°39	2°45	5° 9	3°49	3°16	n.a.	M11
T 12	22 54 3	11°33'03	29°26	5°37	22°46	2°39	20°18	9° 5	28° 4	13°41	2°44	5° 6	3°46	3°22	n.a.	T 12
W13	22 58 0	12°32'46	13♌51	6°45	24° 1	3°23	20°10	9°12	28° 1	13°43	2°43	5° 2	3°43	3°29	n.a.	W13
T 14	23 1 57	13°32'31	28°42	7°52	25°16	4° 7	20° 2	9°20	27°59	13°45	2°42	4°54	3°40	3°36	n.a.	T 14
F 15	23 5 53	14°32'19	13♍51	8°56	26°31	4°51	19°54	9°27	27°57	13°47	2°41	4°45	3°36	3°43	n.a.	F 15
S 16	23 9 50	15°32'09	29° 8	9°58	27°46	5°35	19°46	9°34	27°54	13°49	2°40	4°34	3°33	3°49	n.a.	S 16
S 17	23 13 46	16°32'00	14♎21	10°57	29° 2	6°20	19°38	9°41	27°52	13°51	2°39	4°24	3°30	3°56	n.a.	S 17
M18	23 17 43	17°31'54	29°21	11°54	0♏17	7° 4	19°30	9°48	27°50	13°53	2°38	4°15	3°27	4° 3	n.a.	M18
T 19	23 21 39	18°31'49	13♏59	12°47	1°32	7°49	19°22	9°56	27°47	13°55	2°38	4° 8	3°24	4°10	n.a.	T 19
W20	23 25 36	19°31'47	28°11	13°36	2°47	8°33	19°13	10° 3	27°45	13°57	2°37	4° 4	3°21	4°16	n.a.	W20
T 21	23 29 32	20°31'46	11♐55	14°21	4° 2	9°18	19° 5	10°10	27°42	13°59	2°36	4° 3	3°17	4°23	n.a.	T 21
F 22	23 33 29	21°31'47	25°14	15° 2	5°17	10° 2	18°57	10°17	27°40	14° 1	2°35	4°D 3	3°14	4°30	n.a.	F 22
S 23	23 37 26	22°31'49	8♑10	15°38	6°32	10°47	18°49	10°24	27°37	14° 3	2°35	4°R 3	3°11	4°36	n.a.	S 23
S 24	23 41 22	23°31'54	20°47	16° 9	7°47	11°32	18°41	10°31	27°35	14° 6	2°34	4° 2	3° 8	4°43	n.a.	S 24
M25	23 45 19	24°32'00	3♒10	16°33	9° 2	12°17	18°33	10°38	27°32	14° 8	2°33	3°59	3° 5	4°50	n.a.	M25
T 26	23 49 15	25°32'07	15°22	16°51	10°17	13° 2	18°25	10°45	27°30	14°10	2°33	3°53	3° 1	4°57	n.a.	T 26
W27	23 53 12	26°32'17	27°26	17° 2	11°32	13°46	18°17	10°53	27°27	14°12	2°32	3°44	2°58	5° 3	n.a.	W27
T 28	23 57 8	27°32'28	9♓25	17°R 5	12°47	14°32	18° 9	11° 0	27°25	14°14	2°31	3°32	2°55	5°10	n.a.	T 28
F 29	0 1 5	28°32'41	21°21	16°59	14° 2	15°17	18° 1	11° 7	27°23	14°16	2°31	3°18	2°52	5°17	n.a.	F 29
S 30	0 5 1	29♍32'56	3♈14	16♎45	15♎17	16♏ 2	17♓53	11♍14	27♓20	14♎19	2♒30	3♑ 3	2♑49	5♈23	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n24	2s40	4n40	2n29	1s 4	9n28	1n16	10s24	0s46	4s59	1s47	10n47	2n10	1s17	0s44	3s32	1n58	32s52	13s29	23s38	23s42	5n34		n.a.
S 2	11 3	2n19	4 58	1 49	1 11	8 59	1 15	10 41	0 47	5 2	1 48	10 44	2 10	1 18	0 44	3 33	1 58	32 52	13 29	23 39	23 42	5 37		n.a.
S 3	10 41	7 11	5 4	1 9	1 19	8 29	1 14	10 57	0 47	5 5	1 48	10 42	2 10	1 19	0 44	3 33	1 58	32 52	13 29	23 39	23 42	5 40		n.a.
M 4	10 19	11 47	4 57	0 30	1 26	7 59	1 13	11 14	0 48	5 8	1 48	10 39	2 10	1 20	0 44	3 34	1 58	32 52	13 29	23 40	23 43	5 42		n.a.
T 5	9 57	15 57	4 37	0s 9	1 33	7 28	1 12	11 30	0 49	5 11	1 48	10 36	2 10	1 21	0 44	3 35	1 58	32 52	13 29	23 40	23 43	5 45		n.a.
W 6	9 35	19 31	4 4	0 48	1 41	6 58	1 10	11 47	0 49	5 14	1 48	10 34	2 10	1 22	0 44	3 36	1 58	32 52	13 29	23 40	23 43	5 48		n.a.
T 7	9 13	22 18	3 21	1 26	1 48	6 27	1 9	12 3	0 50	5 17	1 48	10 31	2 10	1 22	0 44	3 36	1 58	32 52	13 29	23 40	23 43	5 50		n.a.
F 8	8 51	24 6	2 27	2 3	1 54	5 56	1 8	12 19	0 50	5 20	1 48	10 28	2 10	1 23	0 44	3 37	1 58	32 53	13 28	23 40	23 43	5 53		n.a.
S 9	8 28	24 44	1 25	2 39	2 1	5 25	1 6	12 35	0 51	5 23	1 48	10 25	2 11	1 24	0 44	3 38	1 58	32 53	13 28	23 40	23 43	5 56		n.a.
S 10	8 6	24 2	0 17	3 15	2 8	4 54	1 5	12 51	0 52	5 27	1 48	10 23	2 11	1 25	0 44	3 39	1 58	32 53	13 28	23 40	23 43	5 59		n.a.
M11	7 43	21 57	0s55	3 50	2 14	4 22	1 3	13 7	0 52	5 30	1 48	10 20	2 11	1 26	0 44	3 40	1 57	32 53	13 28	23 40	23 43	6 1		n.a.
T 12	7 20	18 31	2 5	4 24	2 21	3 51	1 1	13 23	0 53	5 33	1 48	10 17	2 11	1 27	0 44	3 40	1 57	32 53	13 28	23 41	23 43	6 4		n.a.
W13	6 57	13 52	3 10	4 57	2 27	3 19	1 0	13 39	0 53	5 36	1 48	10 14	2 11	1 28	0 44	3 41	1 57	32 53	13 28	23 41	23 43	6 7		n.a.
T 14	6 34	8 17	4 4	5 29	2 32	2 47	0 58	13 55	0 54	5 39	1 48	10 12	2 11	1 29	0 44	3 42	1 57	32 53	13 27	23 41	23 43	6 9		n.a.
F 15	6 10	2 7	4 42	6 0	2 38	2 16	0 56	14 11	0 55	5 43	1 48	10 9	2 11	1 30	0 44	3 43	1 57	32 53	13 27	23 41	23 44	6 12		n.a.
S 16	5 47	4s14	5 0	6 29	2 43	1 44	0 54	14 26	0 55	5 46	1 48	10 6	2 11	1 31	0 44	3 44	1 57	32 53	13 27	23 42	23 44	6 15		n.a.
S 17	5 23	10 17	4 57	6 57	2 47	1 12	0 53	14 42	0 56	5 49	1 48	10 4	2 11	1 32	0 44	3 44	1 57	32 53	13 27	23 42	23 44	6 18		n.a.
M18	5 0	15 39	4 33	7 24	2 52	0 40	0 51	14 57	0 56	5 52	1 48	10 1	2 11	1 33	0 44	3 45	1 57	32 53	13 27	23 42	23 44	6 20		n.a.
T 19	4 36	19 57	3 52	7 48	2 55	0 8	0 49	15 12	0 57	5 56	1 48	9 58	2 11	1 34	0 44	3 46	1 57	32 53	13 27	23 43	23 44	6 23		n.a.
W20	4 12	22 55	2 58	8 11	2 59	0s24	0 47	15 27	0 57	5 59	1 48	9 56	2 11	1 35	0 44	3 47	1 57	32 53	13 26	23 43	23 44	6 26		n.a.
T 21	3 48	24 25	1 54	8 31	3 1	0 56	0 45	15 42	0 58	6 2	1 48	9 53	2 11	1 36	0 44	3 48	1 57	32 53	13 26	23 43	23 44	6 28		n.a.
F 22	3 24	24 28	0 47	8 49	3 3	1 29	0 43	15 57	0 58	6 5	1 48	9 50	2 11	1 37	0 44	3 49	1 57	32 53	13 26	23 43	23 44	6 31		n.a.
S 23	3 0	23 9	0n22	9 4	3 5	2 1	0 41	16 12	0 59	6 8	1 48	9 47	2 11	1 38	0 44	3 49	1 57	32 53	13 26	23 43	23 44	6 34		n.a.
S 24	2 36	20 42	1 27	9 16	3 5	2 33	0 38	16 27	0 59	6 12	1 48	9 45	2 11	1 39	0 44	3 50	1 57	32 53	13 25	23 43	23 44	6 36		n.a.
M25	2 12	17 20	2 27	9 25	3 4	3 5	0 36	16 41	1 0	6 15	1 48	9 42	2 11	1 40	0 44	3 51	1 57	32 53	13 25	23 43	23 44	6 39		n.a.
T 26	1 48	13 17	3 20	9 31	3 3	3 36	0 34	16 55	1 0	6 18	1 48	9 39	2 11	1 41	0 44	3 52	1 57	32 53	13 25	23 43	23 44	6 42		n.a.
W27	1 24	8 45	4 2	9 33	3 0	4 8	0 32	17 10	1 1	6 21	1 48	9 37	2 12	1 42	0 44	3 53	1 57	32 53	13 25	23 43	23 45	6 45		n.a.
T 28	0 59	3 56	4 34	9 30	2 56	4 40	0 29	17 24	1 1	6 24	1 48	9 34	2 12	1 43	0 44	3 54	1 57	32 53	13 25	23 44	23 45	6 47		n.a.
F 29	0 35	1n 0	4 53	9 23	2 50	5 12	0 27	17 38	1 2	6 27	1 48	9 32	2 12	1 44	0 44	3 55	1 57	32 53	13 24	23 44	23 45	6 50		n.a.
S 30	0n11	5n52	4n59	9s10	2s43	5s43	0n25	17s51	1s 2	6s30	1s48	9n29	2n12	1s45	0s44	3s56	1n57	32s53	13s24	23s44	23s45	6n53		n.a.

Julian Day Number = 1476583.5, Delta T = 05h26m21s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'53, Lahiri = -13°12'53 Julian Calendar 1 Sept. 671 BCE == Greg. Calendar 25 Aug. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

OCTOBER 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 8 58	0♎33'13	15♈ 6	16°R21	16♎32	16♏47	17°R45	11♍21	27°R18	14♎21	2°R29	2°R49	2♉46	5♈30	n.a.	S 1
M 2	0 12 54	1°33'32	26°59	15♎47	17°47	17°32	17♓38	11°27	27♓15	14°23	2♒29	2♉35	2°42	5°37	n.a.	M 2
T 3	0 16 51	2°33'53	8♉54	15° 4	19° 2	18°18	17°30	11°34	27°13	14°25	2°28	2°24	2°39	5°44	n.a.	T 3
W 4	0 20 48	3°34'15	20°54	14°11	20°17	19° 3	17°23	11°41	27°10	14°27	2°28	2°16	2°36	5°50	n.a.	W 4
T 5	0 24 44	4°34'40	3♊ 1	13° 9	21°32	19°48	17°15	11°48	27° 8	14°30	2°27	2°11	2°33	5°57	n.a.	T 5
F 6	0 28 41	5°35'07	15°19	12° 1	22°47	20°34	17° 8	11°55	27° 5	14°32	2°27	2° 8	2°30	6° 4	n.a.	F 6
S 7	0 32 37	6°35'36	27°53	10°46	24° 2	21°19	17° 1	12° 2	27° 3	14°34	2°26	2° 8	2°27	6°11	n.a.	S 7
S 8	0 36 34	7°36'07	10♋47	9°27	25°17	22° 5	16°54	12° 9	27° 1	14°36	2°26	2° 7	2°23	6°17	n.a.	S 8
M 9	0 40 30	8°36'40	24° 5	8° 7	26°32	22°51	16°46	12°15	26°58	14°39	2°26	2° 7	2°20	6°24	n.a.	M 9
T 10	0 44 27	9°37'15	7♌52	6°48	27°47	23°36	16°40	12°22	26°56	14°41	2°25	2° 5	2°17	6°31	n.a.	T 10
W11	0 48 23	10°37'52	22° 7	5°33	29° 2	24°22	16°33	12°29	26°53	14°43	2°25	2° 0	2°14	6°37	n.a.	W11
T 12	0 52 20	11°38'31	6♍50	4°24	0♏17	25° 8	16°26	12°35	26°51	14°45	2°25	1°52	2°11	6°44	n.a.	T 12
F 13	0 56 17	12°39'11	21°55	3°23	1°31	25°54	16°20	12°42	26°49	14°48	2°24	1°42	2° 7	6°51	n.a.	F 13
S 14	1 0 13	13°39'53	7♎14	2°32	2°46	26°40	16°13	12°48	26°46	14°50	2°24	1°31	2° 4	6°58	n.a.	S 14
S 15	1 4 10	14°40'37	22°35	1°52	4° 1	27°26	16° 7	12°55	26°44	14°52	2°24	1°19	2° 1	7° 4	n.a.	S 15
M16	1 8 6	15°41'22	7♏46	1°23	5°16	28°12	16° 1	13° 1	26°42	14°54	2°24	1°10	1°58	7°11	n.a.	M16
T 17	1 12 3	16°42'09	22°37	1° 7	6°31	28°58	15°55	13° 8	26°39	14°57	2°23	1° 2	1°55	7°18	n.a.	T 17
W18	1 15 59	17°42'57	7♐ 2	1°D 1	7°46	29°44	15°49	13°14	26°37	14°59	2°23	0°58	1°52	7°25	n.a.	W18
T 19	1 19 56	18°43'46	20°57	1° 7	9° 1	0♐30	15°43	13°21	26°35	15° 1	2°23	0°55	1°48	7°31	n.a.	T 19
F 20	1 23 52	19°44'37	4♑23	1°23	10°16	1°16	15°38	13°27	26°33	15° 3	2°23	0°D55	1°45	7°38	n.a.	F 20
S 21	1 27 49	20°45'28	17°22	1°49	11°31	2° 3	15°33	13°33	26°30	15° 6	2°23	0°R55	1°42	7°45	n.a.	S 21
S 22	1 31 46	21°46'21	29°59	2°23	12°46	2°49	15°27	13°39	26°28	15° 8	2°23	0°55	1°39	7°51	n.a.	S 22
M23	1 35 42	22°47'14	12♒19	3° 4	14° 0	3°35	15°22	13°46	26°26	15°10	2°23	0°53	1°36	7°58	n.a.	M23
T 24	1 39 39	23°48'09	24°26	3°53	15°15	4°22	15°18	13°52	26°24	15°12	2°D23	0°49	1°32	8° 5	n.a.	T 24
W25	1 43 35	24°49'04	6♓25	4°47	16°30	5° 8	15°13	13°58	26°22	15°15	2°23	0°42	1°29	8°12	n.a.	W25
T 26	1 47 32	25°50'00	18°19	5°47	17°45	5°54	15° 8	14° 4	26°20	15°17	2°23	0°32	1°26	8°18	n.a.	T 26
F 27	1 51 28	26°50'58	0♈11	6°51	19° 0	6°41	15° 4	14°10	26°18	15°19	2°23	0°20	1°23	8°25	n.a.	F 27
S 28	1 55 25	27°51'56	12° 4	7°59	20°15	7°27	15° 0	14°16	26°16	15°21	2°23	0° 8	1°20	8°32	n.a.	S 28
S 29	1 59 21	28°52'56	23°58	9°11	21°29	8°14	14°56	14°21	26°14	15°23	2°23	29♐55	1°17	8°38	n.a.	S 29
M30	2 3 18	29°53'57	5♉56	10°26	22°44	9° 1	14°53	14°27	26°12	15°26	2°23	29°44	1°13	8°45	n.a.	M30
T 31	2 7 15	0♏54'58	17♉58	11♎43	23♏59	9♐47	14♓49	14♍33	26♓10	15♎28	2♒23	29♐34	1♑10	8♈52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	0s13	10n31	4n52	8s53	2s34	6s15	0n22	18s 5	1s 3	6s33	1s48	9n26	2n12	1s46	0s44	3s56	1n57	32s53	13s24	23s45	23s45	6n55			n.a.
M 2	0 38	14 46	4 33	8 30	2 24	6 46	0 20	18 19	1 3	6 36	1 47	9 24	2 12	1 47	0 44	3 57	1 57	32 53	13 24	23 45	23 45	6 58			n.a.
T 3	1 2	18 28	4 1	8 2	2 11	7 17	0 18	18 32	1 3	6 39	1 47	9 21	2 12	1 48	0 44	3 58	1 57	32 52	13 23	23 45	23 45	7 1			n.a.
W 4	1 26	21 26	3 19	7 28	1 57	7 48	0 15	18 45	1 4	6 42	1 47	9 19	2 12	1 49	0 44	3 59	1 57	32 52	13 23	23 45	23 45	7 3			n.a.
T 5	1 51	23 28	2 27	6 49	1 41	8 19	0 13	18 58	1 4	6 45	1 47	9 16	2 12	1 50	0 44	4 0	1 57	32 52	13 23	23 45	23 45	7 6			n.a.
F 6	2 15	24 24	1 28	6 5	1 23	8 49	0 10	19 11	1 5	6 47	1 47	9 13	2 12	1 51	0 44	4 1	1 57	32 52	13 23	23 46	23 45	7 9			n.a.
S 7	2 39	24 8	0 22	5 18	1 5	9 20	0 8	19 23	1 5	6 50	1 47	9 11	2 13	1 52	0 44	4 2	1 57	32 52	13 22	23 46	23 45	7 11			n.a.
S 8	3 3	22 34	0s46	4 29	0 45	9 50	0 5	19 36	1 5	6 53	1 47	9 8	2 13	1 53	0 44	4 3	1 57	32 52	13 22	23 46	23 45	7 14			n.a.
M 9	3 28	19 44	1 53	3 38	0 24	10 20	0 3	19 48	1 6	6 55	1 46	9 6	2 13	1 53	0 44	4 3	1 57	32 52	13 22	23 46	23 45	7 16			n.a.
T 10	3 52	15 43	2 57	2 47	0 3	10 50	0 0	20 0	1 6	6 58	1 46	9 3	2 13	1 54	0 44	4 4	1 57	32 51	13 21	23 46	23 45	7 19			n.a.
W11	4 16	10 41	3 51	1 58	0n17	11 19	0s 2	20 12	1 6	7 0	1 46	9 1	2 13	1 55	0 44	4 5	1 57	32 51	13 21	23 46	23 45	7 22			n.a.
T 12	4 40	4 55	4 33	1 13	0 37	11 48	0 5	20 24	1 7	7 3	1 46	8 58	2 13	1 56	0 44	4 6	1 57	32 51	13 21	23 46	23 45	7 24			n.a.
F 13	5 4	1s17	4 56	0 31	0 55	12 17	0 7	20 35	1 7	7 5	1 46	8 56	2 13	1 57	0 44	4 7	1 57	32 51	13 21	23 46	23 46	7 27			n.a.
S 14	5 28	7 29	4 59	0n 5	1 12	12 46	0 10	20 47	1 7	7 8	1 45	8 54	2 13	1 58	0 44	4 8	1 57	32 51	13 20	23 46	23 46	7 30			n.a.
S 15	5 52	13 14	4 40	0 35	1 27	13 14	0 13	20 58	1 8	7 10	1 45	8 51	2 14	1 59	0 44	4 9	1 57	32 50	13 20	23 46	23 46	7 32			n.a.
M16	6 16	18 6	4 2	0 59	1 41	13 42	0 15	21 9	1 8	7 12	1 45	8 49	2 14	2 0	0 44	4 10	1 57	32 50	13 20	23 46	23 46	7 35			n.a.
T 17	6 39	21 42	3 8	1 16	1 52	14 10	0 18	21 19	1 8	7 14	1 45	8 46	2 14	2 1	0 44	4 10	1 57	32 50	13 20	23 46	23 46	7 38			n.a.
W18	7 3	23 49	2 3	1 27	2 2	14 37	0 20	21 30	1 9	7 16	1 44	8 44	2 14	2 2	0 44	4 11	1 57	32 50	13 19	23 46	23 46	7 40			n.a.
T 19	7 26	24 20	0 53	1 32	2 10	15 4	0 23	21 40	1 9	7 18	1 44	8 42	2 14	2 3	0 44	4 12	1 57	32 50	13 19	23 46	23 46	7 43			n.a.
F 20	7 50	23 24	0n18	1 31	2 16	15 30	0 25	21 50	1 9	7 20	1 44	8 39	2 14	2 4	0 44	4 13	1 57	32 49	13 19	23 46	23 46	7 45			n.a.
S 21	8 13	21 12	1 26	1 25	2 20	15 56	0 28	22 0	1 9	7 22	1 44	8 37	2 15	2 4	0 44	4 14	1 57	32 49	13 18	23 46	23 46	7 48			n.a.
S 22	8 36	18 2	2 28	1 14	2 23	16 22	0 31	22 9	1 10	7 24	1 43	8 35	2 15	2 5	0 44	4 15	1 57	32 49	13 18	23 46	23 46	7 51			n.a.
M23	8 59	14 8	3 21	0 59	2 25	16 47	0 33	22 19	1 10	7 25	1 43	8 33	2 15	2 6	0 44	4 16	1 57	32 49	13 18	23 46	23 46	7 53			n.a.
T 24	9 22	9 43	4 4	0 40	2 26	17 12	0 36	22 28	1 10	7 27	1 43	8 30	2 15	2 7	0 44	4 17	1 57	32 48	13 18	23 46	23 46	7 56			n.a.
W25	9 45	5 1	4 36	0 17	2 25	17 37	0 38	22 37	1 10	7 29	1 43	8 28	2 15	2 8	0 44	4 17	1 57	32 48	13 17	23 46	23 46	7 58			n.a.
T 26	10 7	0 9	4 56	0s 8	2 24	18 1	0 41	22 45	1 11	7 30	1 42	8 26	2 15	2 9	0 44	4 18	1 57	32 48	13 17	23 47	23 46	8 1			n.a.
F 27	10 29	4n41	5 2	0 36	2 22	18 24	0 43	22 54	1 11	7 32	1 42	8 24	2 16	2 9	0 44	4 19	1 57	32 47	13 17	23 47	23 46	8 4			n.a.
S 28	10 52	9 22	4 56	1 5	2 19	18 47	0 45	23 2	1 11	7 33	1 42	8 22	2 16	2 10	0 44	4 20	1 57	32 47	13 16	23 47	23 46	8 6			n.a.
S 29	11 14	13 42	4 37	1 37	2 15	19 10	0 48	23 10	1 11	7 34	1 41	8 20	2 16	2 11	0 43	4 21	1 57	32 47	13 16	23 47	23 46	8 9			n.a.
M30	11 36	17 32	4 5	2 11	2 11	19 31	0 50	23 17	1 12	7 35	1 41	8 17	2 16	2 12	0 43	4 22	1 57	32 46	13 16	23 47	23 46	8 11			n.a.
T 31	11s57	20n39	3n22	2s45	2n 7	19s53	0s53	23s25	1s12	7s36	1s41	8n15	2n16	2s12	0s43	4s23	1n57	32s46	13s16	23s47	23s46	8n14			n.a.

Julian Day Number = 1476613.5, Delta T = 05h26m19s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'49, Lahiri = -13°12'48 Julian Calendar 1 Oct. 671 BCE == Greg. Calendar 24 Sept. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

NOVEMBER 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 11 11	1♏56'01	0♊ 7	13♎ 2	25♏14	10♐34	14°R46	14♍39	26°R 8	15♎30	2♒24	29°R28	1♑ 7	8♈59	n.a.	W 1
T 2	2 15 8	2°57'05	12°23	14°23	26°28	11°20	14♓43	14°44	26♓ 6	15°32	2°24	29♐24	1° 4	9° 5	n.a.	T 2
F 3	2 19 4	3°58'10	24°49	15°46	27°43	12° 7	14°40	14°50	26° 4	15°34	2°24	29°D22	1° 1	9°12	n.a.	F 3
S 4	2 23 1	4°59'17	7♋28	17°10	28°58	12°54	14°37	14°55	26° 3	15°37	2°24	29°22	0°58	9°19	n.a.	S 4
S 5	2 26 57	6° 0'24	20°24	18°35	0♐12	13°41	14°34	15° 1	26° 1	15°39	2°25	29°23	0°54	9°26	n.a.	S 5
M 6	2 30 54	7° 1'33	3♌38	20° 2	1°27	14°27	14°32	15° 6	25°59	15°41	2°25	29°R24	0°51	9°32	n.a.	M 6
T 7	2 34 50	8° 2'42	17°15	21°29	2°42	15°14	14°30	15°11	25°58	15°43	2°25	29°24	0°48	9°39	n.a.	T 7
W 8	2 38 47	9° 3'53	1♍17	22°56	3°56	16° 1	14°28	15°16	25°56	15°45	2°26	29°21	0°45	9°46	n.a.	W 8
T 9	2 42 44	10° 5'04	15°42	24°25	5°11	16°48	14°26	15°22	25°54	15°47	2°26	29°17	0°42	9°52	n.a.	T 9
F 10	2 46 40	11° 6'17	0♎29	25°54	6°26	17°35	14°25	15°27	25°53	15°49	2°27	29°11	0°38	9°59	n.a.	F 10
S 11	2 50 37	12° 7'30	15°30	27°24	7°40	18°22	14°24	15°32	25°51	15°51	2°27	29° 3	0°35	10° 6	n.a.	S 11
S 12	2 54 33	13° 8'44	0♏37	28°54	8°55	19° 9	14°23	15°37	25°50	15°53	2°27	28°56	0°32	10°13	n.a.	S 12
M13	2 58 30	14° 9'59	15°41	0♏24	10° 9	19°56	14°22	15°42	25°48	15°55	2°28	28°49	0°29	10°19	n.a.	M13
T 14	3 2 26	15°11'15	0♐31	1°55	11°24	20°43	14°21	15°46	25°47	15°58	2°28	28°44	0°26	10°26	n.a.	T 14
W15	3 6 23	16°12'30	15° 0	3°26	12°39	21°30	14°21	15°51	25°46	16° 0	2°29	28°41	0°23	10°33	n.a.	W15
T 16	3 10 19	17°13'47	29° 2	4°57	13°53	22°17	14°20	15°56	25°44	16° 2	2°30	28°D40	0°19	10°39	n.a.	T 16
F 17	3 14 16	18°15'03	12♑37	6°28	15° 8	23° 4	14°D20	16° 0	25°43	16° 4	2°30	28°41	0°16	10°46	n.a.	F 17
S 18	3 18 13	19°16'19	25°44	8° 0	16°22	23°51	14°21	16° 5	25°42	16° 6	2°31	28°43	0°13	10°53	n.a.	S 18
S 19	3 22 9	20°17'36	8♒28	9°32	17°37	24°38	14°21	16° 9	25°41	16° 7	2°31	28°44	0°10	11° 0	n.a.	S 19
M20	3 26 6	21°18'52	20°52	11° 4	18°51	25°25	14°22	16°13	25°40	16° 9	2°32	28°R45	0° 7	11° 6	n.a.	M20
T 21	3 30 2	22°20'08	3♓ 0	12°37	20° 5	26°12	14°22	16°18	25°39	16°11	2°33	28°44	0° 4	11°13	n.a.	T 21
W22	3 33 59	23°21'24	14°59	14°10	21°20	26°59	14°23	16°22	25°38	16°13	2°33	28°42	0° 0	11°20	n.a.	W22
T 23	3 37 55	24°22'41	26°52	15°43	22°34	27°46	14°25	16°26	25°37	16°15	2°34	28°38	29♐57	11°27	n.a.	T 23
F 24	3 41 52	25°23'57	8♈43	17°16	23°48	28°33	14°26	16°30	25°36	16°17	2°35	28°32	29°54	11°33	n.a.	F 24
S 25	3 45 49	26°25'12	20°36	18°49	25° 3	29°20	14°28	16°34	25°35	16°19	2°36	28°26	29°51	11°40	n.a.	S 25
S 26	3 49 45	27°26'28	2♉34	20°23	26°17	0♑ 7	14°29	16°38	25°34	16°21	2°37	28°20	29°48	11°47	n.a.	S 26
M27	3 53 42	28°27'44	14°39	21°57	27°31	0°55	14°32	16°41	25°33	16°22	2°37	28°15	29°44	11°53	n.a.	M27
T 28	3 57 38	29°29'00	26°51	23°32	28°46	1°42	14°34	16°45	25°33	16°24	2°38	28°10	29°41	12° 0	n.a.	T 28
W29	4 1 35	0♐30'15	9♊13	25° 6	29°59	2°29	14°36	16°49	25°32	16°26	2°39	28° 7	29°38	12° 7	n.a.	W29
T 30	4 5 31	1♐31'31	21♊46	26♏41	1♑14	3♑16	14♓39	16♍52	25♓31	16♎28	2♒40	28♐ 6	29♐35	12♈14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s19	22n54	2n30	3s21	2n 1	20s14	0s55	23s32	1s12	7s38	1s41	8n13	2n16	2s13	0s43	4s23	1n57	32s46	13s15	23s46	23s46	8n17		n.a.
T 2	12 40	24 5	1 30	3 58	1 56	20 34	0 57	23 39	1 12	7 38	1 40	8 11	2 17	2 14	0 43	4 24	1 57	32 45	13 15	23 46	23 46	8 19		n.a.
F 3	13 1	24 5	0 24	4 36	1 50	20 54	1 0	23 45	1 12	7 39	1 40	8 9	2 17	2 15	0 43	4 25	1 57	32 45	13 15	23 46	23 46	8 22		n.a.
S 4	13 22	22 50	0s43	5 14	1 44	21 13	1 2	23 52	1 12	7 40	1 40	8 7	2 17	2 15	0 43	4 26	1 57	32 45	13 14	23 46	23 46	8 24		n.a.
S 5	13 43	20 23	1 51	5 52	1 38	21 31	1 4	23 58	1 12	7 41	1 39	8 5	2 17	2 16	0 43	4 27	1 57	32 44	13 14	23 46	23 46	8 27		n.a.
M 6	14 3	16 48	2 53	6 31	1 32	21 49	1 6	24 3	1 13	7 41	1 39	8 3	2 17	2 17	0 43	4 27	1 57	32 44	13 14	23 46	23 46	8 30		n.a.
T 7	14 23	12 15	3 48	7 10	1 25	22 7	1 8	24 9	1 13	7 42	1 39	8 2	2 18	2 17	0 43	4 28	1 57	32 44	13 14	23 46	23 46	8 32		n.a.
W 8	14 43	6 57	4 32	7 50	1 18	22 23	1 11	24 14	1 13	7 42	1 38	8 0	2 18	2 18	0 43	4 29	1 57	32 43	13 13	23 46	23 46	8 35		n.a.
T 9	15 3	1 8	4 59	8 29	1 12	22 39	1 13	24 19	1 13	7 43	1 38	7 58	2 18	2 19	0 43	4 30	1 57	32 43	13 13	23 46	23 46	8 37		n.a.
F 10	15 22	4s53	5 7	9 8	1 5	22 55	1 15	24 24	1 13	7 43	1 38	7 56	2 18	2 19	0 43	4 31	1 57	32 43	13 13	23 46	23 46	8 40		n.a.
S 11	15 41	10 42	4 55	9 48	0 58	23 9	1 17	24 28	1 13	7 43	1 37	7 54	2 18	2 20	0 43	4 31	1 57	32 42	13 12	23 46	23 46	8 42		n.a.
S 12	16 0	15 56	4 22	10 27	0 51	23 23	1 19	24 32	1 13	7 43	1 37	7 53	2 19	2 20	0 43	4 32	1 57	32 42	13 12	23 46	23 46	8 45		n.a.
M13	16 19	20 7	3 31	11 5	0 44	23 37	1 20	24 36	1 13	7 43	1 37	7 51	2 19	2 21	0 43	4 33	1 57	32 41	13 12	23 46	23 47	8 47		n.a.
T 14	16 37	22 56	2 26	11 44	0 37	23 49	1 22	24 40	1 13	7 43	1 36	7 49	2 19	2 21	0 43	4 34	1 57	32 41	13 12	23 46	23 47	8 50		n.a.
W15	16 55	24 8	1 13	12 22	0 30	24 1	1 24	24 43	1 13	7 43	1 36	7 47	2 19	2 22	0 43	4 35	1 57	32 41	13 11	23 46	23 47	8 53		n.a.
T 16	17 13	23 44	0n 2	13 0	0 23	24 12	1 26	24 46	1 13	7 43	1 36	7 46	2 20	2 22	0 43	4 35	1 57	32 40	13 11	23 46	23 47	8 55		n.a.
F 17	17 30	21 55	1 15	13 37	0 16	24 23	1 28	24 49	1 14	7 43	1 35	7 44	2 20	2 23	0 43	4 36	1 57	32 40	13 11	23 46	23 47	8 58		n.a.
S 18	17 47	18 58	2 22	14 14	0 9	24 33	1 29	24 51	1 14	7 42	1 35	7 43	2 20	2 23	0 43	4 37	1 57	32 39	13 10	23 46	23 47	9 0		n.a.
S 19	18 4	15 12	3 19	14 50	0 2	24 42	1 31	24 53	1 14	7 42	1 35	7 41	2 20	2 24	0 43	4 37	1 58	32 39	13 10	23 46	23 47	9 3		n.a.
M20	18 21	10 52	4 6	15 26	0s 5	24 50	1 32	24 55	1 14	7 41	1 34	7 40	2 21	2 24	0 43	4 38	1 58	32 39	13 10	23 46	23 47	9 5		n.a.
T 21	18 37	6 11	4 41	16 2	0 12	24 57	1 34	24 57	1 14	7 41	1 34	7 38	2 21	2 24	0 43	4 39	1 58	32 38	13 10	23 46	23 47	9 8		n.a.
W22	18 52	1 21	5 2	16 36	0 18	25 4	1 35	24 58	1 14	7 40	1 34	7 37	2 21	2 25	0 43	4 40	1 58	32 38	13 9	23 46	23 47	9 10		n.a.
T 23	19 8	3n29	5 11	17 10	0 25	25 10	1 36	24 59	1 14	7 39	1 33	7 35	2 21	2 25	0 43	4 40	1 58	32 37	13 9	23 46	23 47	9 13		n.a.
F 24	19 23	8 11	5 6	17 43	0 31	25 15	1 38	25 0	1 14	7 38	1 33	7 34	2 22	2 26	0 43	4 41	1 58	32 37	13 9	23 46	23 47	9 15		n.a.
S 25	19 38	12 36	4 49	18 16	0 37	25 20	1 39	25 0	1 14	7 37	1 33	7 33	2 22	2 26	0 43	4 42	1 58	32 36	13 9	23 46	23 47	9 18		n.a.
S 26	19 52	16 34	4 18	18 48	0 44	25 23	1 40	25 0	1 14	7 36	1 32	7 31	2 22	2 26	0 43	4 42	1 58	32 36	13 8	23 46	23 47	9 20		n.a.
M27	20 6	19 53	3 36	19 19	0 50	25 26	1 41	25 0	1 13	7 35	1 32	7 30	2 22	2 26	0 43	4 43	1 58	32 35	13 8	23 46	23 47	9 23		n.a.
T 28	20 19	22 22	2 43	19 49	0 56	25 28	1 42	24 59	1 13	7 34	1 32	7 29	2 23	2 27	0 43	4 44	1 58	32 35	13 8	23 46	23 47	9 25		n.a.
W29	20 33	23 49	1 42	20 18	1 1	25 30	1 43	24 59	1 13	7 33	1 31	7 28	2 23	2 27	0 42	4 44	1 58	32 35	13 8	23 46	23 47	9 28		n.a.
T 30	20s45	24n 6	0n35	20s46	1s 7	25s30	1s44	24s57	1s13	7s31	1s31	7n27	2n23	2s27	0s42	4s45	1n58	32s34	13s 7	23s46	23s47	9n30		n.a.

Julian Day Number = 1476644.5, Delta T = 05h26m18s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'45, Lahiri = -13°12'44 Julian Calendar 1 Nov. 671 BCE == Greg. Calendar 25 Oct. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 671 BCE
geocentric

DECEMBER 671 BCE (-670) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 9 28	2♐32'46	4♋30	28♏17	2♑28	4♑ 3	14♓42	16♍56	25°R31	16♎29	2♒41	28°D 6	29♐32	12♈20	n.a.	F 1
S 2	4 13 24	3°34'02	17°26	29°52	3°42	4°50	14°45	16°59	25♓30	16°31	2°42	28♐ 7	29°29	12°27	n.a.	S 2
S 3	4 17 21	4°35'17	0♌35	1♐28	4°56	5°37	14°48	17° 2	25°30	16°33	2°43	28° 9	29°25	12°34	n.a.	S 3
M 4	4 21 18	5°36'32	13°58	3° 5	6°10	6°25	14°51	17° 5	25°29	16°34	2°44	28°10	29°22	12°40	n.a.	M 4
T 5	4 25 14	6°37'47	27°37	4°42	7°24	7°12	14°55	17° 8	25°29	16°36	2°45	28°11	29°19	12°47	n.a.	T 5
W 6	4 29 11	7°39'03	11♍32	6°19	8°38	7°59	14°59	17°11	25°29	16°38	2°46	28°R11	29°16	12°54	n.a.	W 6
T 7	4 33 7	8°40'18	25°43	7°57	9°52	8°46	15° 3	17°14	25°28	16°39	2°47	28°11	29°13	13° 1	n.a.	T 7
F 8	4 37 4	9°41'32	10♎ 8	9°35	11° 6	9°33	15° 7	17°17	25°28	16°41	2°48	28° 9	29°10	13° 7	n.a.	F 8
S 9	4 41 0	10°42'47	24°43	11°13	12°20	10°20	15°12	17°19	25°28	16°42	2°49	28° 7	29° 6	13°14	n.a.	S 9
S 10	4 44 57	11°44'01	9♏23	12°53	13°34	11° 8	15°16	17°22	25°28	16°44	2°50	28° 4	29° 3	13°21	n.a.	S 10
M11	4 48 53	12°45'16	24° 1	14°32	14°48	11°55	15°21	17°24	25°D28	16°45	2°51	28° 2	29° 0	13°28	n.a.	M11
T 12	4 52 50	13°46'29	8♐32	16°12	16° 1	12°42	15°26	17°27	25°28	16°47	2°52	28° 1	28°57	13°34	n.a.	T 12
W13	4 56 47	14°47'42	22°48	17°53	17°15	13°29	15°31	17°29	25°28	16°48	2°54	28°D 0	28°54	13°41	n.a.	W13
T 14	5 0 43	15°48'55	6♑45	19°34	18°29	14°16	15°36	17°31	25°28	16°49	2°55	28° 0	28°50	13°48	n.a.	T 14
F 15	5 4 40	16°50'06	20°19	21°15	19°42	15° 3	15°42	17°33	25°28	16°51	2°56	28° 1	28°47	13°54	n.a.	F 15
S 16	5 8 36	17°51'17	3♒31	22°57	20°56	15°50	15°47	17°35	25°28	16°52	2°57	28° 2	28°44	14° 1	n.a.	S 16
S 17	5 12 33	18°52'26	16°19	24°40	22°10	16°38	15°53	17°37	25°29	16°53	2°58	28° 3	28°41	14° 8	n.a.	S 17
M18	5 16 29	19°53'34	28°49	26°22	23°23	17°25	15°59	17°39	25°29	16°55	3° 0	28° 4	28°38	14°15	n.a.	M18
T 19	5 20 26	20°54'42	11♓ 1	28° 5	24°36	18°12	16° 5	17°40	25°29	16°56	3° 1	28° 4	28°35	14°21	n.a.	T 19
W20	5 24 23	21°55'48	23° 3	29°49	25°50	18°59	16°12	17°42	25°30	16°57	3° 2	28°R 5	28°31	14°28	n.a.	W20
T 21	5 28 19	22°56'52	4♈57	1♑33	27° 3	19°46	16°18	17°43	25°30	16°58	3° 4	28° 4	28°28	14°35	n.a.	T 21
F 22	5 32 16	23°57'56	16°49	3°16	28°16	20°33	16°25	17°44	25°31	16°59	3° 5	28° 4	28°25	14°41	n.a.	F 22
S 23	5 36 12	24°58'58	28°42	5° 0	29°30	21°20	16°32	17°46	25°31	17° 1	3° 6	28° 4	28°22	14°48	n.a.	S 23
S 24	5 40 9	25°59'59	10♉43	6°44	0♒43	22° 7	16°39	17°47	25°32	17° 2	3° 7	28° 3	28°19	14°55	n.a.	S 24
M25	5 44 5	27° 0'59	22°52	8°28	1°56	22°54	16°46	17°48	25°33	17° 3	3° 9	28° 3	28°16	15° 2	n.a.	M25
T 26	5 48 2	28° 1'58	5♊14	10°11	3° 9	23°41	16°53	17°49	25°33	17° 4	3°10	28°D 3	28°12	15° 8	n.a.	T 26
W27	5 51 58	29° 2'55	17°50	11°54	4°22	24°28	17° 1	17°50	25°34	17° 5	3°12	28° 3	28° 9	15°15	n.a.	W27
T 28	5 55 55	0♑ 3'51	0♋42	13°36	5°35	25°15	17° 8	17°50	25°35	17° 6	3°13	28°R 3	28° 6	15°22	n.a.	T 28
F 29	5 59 52	1° 4'46	13°48	15°17	6°48	26° 2	17°16	17°51	25°36	17° 7	3°14	28° 3	28° 3	15°28	n.a.	F 29
S 30	6 3 48	2° 5'40	27° 9	16°56	8° 0	26°48	17°24	17°51	25°37	17° 8	3°16	28° 3	28° 0	15°35	n.a.	S 30
S 31	6 7 45	3♑ 6'32	10♌43	18♑34	9♒13	27♑35	17♓32	17♍52	25♓38	17♎ 8	3♒17	28♐ 2	27♐56	15♈42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s58	23n 7	0s35	21s14	1s12	25s30	1s45	24s56	1s13	7s30	1s31	7n26	2n23	2s27	0s42	4s46	1n58	32s34	13s 7	23s46	23s46	9n33		n.a.
S 2	21 10	20 54	1 44	21 40	1 17	25 29	1 46	24 54	1 13	7 28	1 30	7 25	2 24	2 27	0 42	4 46	1 58	32 33	13 7	23 46	23 46	9 35		n.a.
S 3	21 21	17 33	2 49	22 5	1 22	25 27	1 46	24 52	1 13	7 27	1 30	7 24	2 24	2 28	0 42	4 47	1 58	32 33	13 7	23 46	23 46	9 38		n.a.
M 4	21 32	13 15	3 46	22 29	1 27	25 24	1 47	24 50	1 13	7 25	1 30	7 23	2 24	2 28	0 42	4 47	1 58	32 32	13 6	23 46	23 46	9 40		n.a.
T 5	21 43	8 13	4 32	22 52	1 32	25 21	1 47	24 47	1 13	7 24	1 29	7 22	2 24	2 28	0 42	4 48	1 58	32 32	13 6	23 46	23 46	9 43		n.a.
W 6	21 54	2 41	5 2	23 14	1 36	25 17	1 48	24 45	1 13	7 22	1 29	7 21	2 25	2 28	0 42	4 48	1 58	32 31	13 6	23 46	23 46	9 45		n.a.
T 7	22 3	3s 5	5 15	23 35	1 40	25 12	1 48	24 41	1 13	7 20	1 29	7 20	2 25	2 28	0 42	4 49	1 58	32 31	13 6	23 46	23 46	9 48		n.a.
F 8	22 13	8 47	5 8	23 54	1 44	25 6	1 48	24 38	1 13	7 18	1 28	7 19	2 25	2 28	0 42	4 50	1 58	32 30	13 6	23 46	23 46	9 50		n.a.
S 9	22 22	14 4	4 42	24 12	1 47	25 0	1 48	24 34	1 12	7 16	1 28	7 18	2 25	2 28	0 42	4 50	1 58	32 30	13 5	23 46	23 46	9 53		n.a.
S 10	22 31	18 34	3 57	24 29	1 50	24 52	1 49	24 30	1 12	7 14	1 28	7 17	2 26	2 28	0 42	4 51	1 58	32 29	13 5	23 46	23 46	9 55		n.a.
M11	22 39	21 54	2 57	24 44	1 53	24 44	1 49	24 26	1 12	7 12	1 27	7 17	2 26	2 28	0 42	4 51	1 59	32 29	13 5	23 46	23 46	9 58		n.a.
T 12	22 46	23 46	1 46	24 58	1 56	24 36	1 49	24 21	1 12	7 9	1 27	7 16	2 26	2 28	0 42	4 52	1 59	32 28	13 5	23 46	23 46	10 0		n.a.
W13	22 54	24 3	0 29	25 10	1 58	24 26	1 48	24 16	1 12	7 7	1 27	7 15	2 27	2 28	0 42	4 52	1 59	32 28	13 4	23 46	23 46	10 3		n.a.
T 14	23 0	22 48	0n48	25 21	2 0	24 16	1 48	24 11	1 12	7 5	1 26	7 15	2 27	2 28	0 42	4 53	1 59	32 27	13 4	23 46	23 46	10 5		n.a.
F 15	23 7	20 14	2 0	25 30	2 1	24 5	1 48	24 6	1 11	7 2	1 26	7 14	2 27	2 28	0 42	4 53	1 59	32 27	13 4	23 46	23 46	10 7		n.a.
S 16	23 13	16 39	3 4	25 37	2 2	23 53	1 48	24 0	1 11	7 0	1 26	7 14	2 27	2 28	0 42	4 54	1 59	32 26	13 4	23 46	23 46	10 10		n.a.
S 17	23 18	12 24	3 57	25 43	2 3	23 41	1 47	23 54	1 11	6 57	1 26	7 13	2 28	2 28	0 42	4 54	1 59	32 26	13 4	23 46	23 46	10 12		n.a.
M18	23 23	7 44	4 37	25 46	2 3	23 28	1 47	23 48	1 11	6 54	1 25	7 13	2 28	2 27	0 42	4 54	1 59	32 25	13 4	23 46	23 46	10 15		n.a.
T 19	23 28	2 52	5 3	25 48	2 2	23 14	1 46	23 41	1 11	6 52	1 25	7 12	2 28	2 27	0 42	4 55	1 59	32 25	13 3	23 46	23 46	10 17		n.a.
W20	23 32	2n 2	5 16	25 48	2 2	23 0	1 45	23 34	1 11	6 49	1 25	7 12	2 29	2 27	0 42	4 55	1 59	32 24	13 3	23 46	23 46	10 20		n.a.
T 21	23 35	6 48	5 15	25 46	2 0	22 45	1 44	23 27	1 10	6 46	1 24	7 12	2 29	2 27	0 42	4 56	1 59	32 24	13 3	23 46	23 46	10 22		n.a.
F 22	23 38	11 18	5 0	25 42	1 58	22 29	1 43	23 20	1 10	6 43	1 24	7 12	2 29	2 27	0 42	4 56	1 59	32 23	13 3	23 46	23 46	10 25		n.a.
S 23	23 41	15 24	4 33	25 36	1 56	22 13	1 42	23 12	1 10	6 40	1 24	7 11	2 29	2 26	0 42	4 56	1 59	32 23	13 3	23 46	23 46	10 27		n.a.
S 24	23 43	18 56	3 54	25 29	1 53	21 56	1 41	23 5	1 10	6 37	1 23	7 11	2 30	2 26	0 41	4 57	1 59	32 22	13 3	23 46	23 46	10 29		n.a.
M25	23 44	21 42	3 3	25 19	1 49	21 38	1 40	22 56	1 9	6 34	1 23	7 11	2 30	2 26	0 41	4 57	1 59	32 22	13 2	23 46	23 46	10 32		n.a.
T 26	23 46	23 30	2 3	25 7	1 44	21 20	1 39	22 48	1 9	6 31	1 23	7 11	2 30	2 25	0 41	4 58	1 59	32 21	13 2	23 46	23 46	10 34		n.a.
W27	23 46	24 9	0 56	24 53	1 39	21 1	1 38	22 39	1 9	6 28	1 23	7 11	2 31	2 25	0 41	4 58	1 59	32 21	13 2	23 46	23 46	10 37		n.a.
T 28	23 47	23 32	0s15	24 37	1 33	20 42	1 36	22 31	1 9	6 24	1 22	7 11	2 31	2 25	0 41	4 58	2 0	32 20	13 2	23 46	23 46	10 39		n.a.
F 29	23 46	21 37	1 26	24 19	1 26	20 22	1 35	22 21	1 8	6 21	1 22	7 11	2 31	2 24	0 41	4 58	2 0	32 20	13 2	23 46	23 46	10 41		n.a.
S 30	23 46	18 30	2 35	23 59	1 19	20 1	1 33	22 12	1 8	6 18	1 22	7 11	2 31	2 24	0 41	4 59	2 0	32 19	13 2	23 46	23 46	10 44		n.a.
S 31	23s44	14n21	3s35	23s38	1s10	19s40	1s32	22s 3	1s 8	6s14	1s21	7n11	2n32	2s23	0s41	4s59	2n 0	32s19	13s 2	23s46	23s46	10n46		n.a.

Julian Day Number = 1476674.5, Delta T = 05h26m16s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'41, Lahiri = -13°12'40 Julian Calendar 1 Dec. 671 BCE == Greg. Calendar 24 Nov. 671 BCE

The year -670 astronomical counting style corresponds to year 671 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

JANUARY 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 11 41	4♉ 7'24	24♌29	20♉ 9	10♒26	28♉22	17♓40	17♍52	25♓39	17♎ 9	3♒19	28°R 1	27♐53	15♈49	n.a.	M 1
T 2	6 15 38	5° 8'14	8♍24	21°41	11°38	29° 9	17°49	17°52	25°40	17°10	3°20	28♐ 1	27°50	15°55	n.a.	T 2
W 3	6 19 34	6° 9'03	22°27	23°11	12°51	29°56	17°57	17°R52	25°41	17°11	3°22	28° 0	27°47	16° 2	n.a.	W 3
T 4	6 23 31	7° 9'51	6♎36	24°36	14° 3	0♒43	18° 6	17°52	25°42	17°12	3°23	28°D 0	27°44	16° 9	n.a.	T 4
F 5	6 27 27	8°10'38	20°48	25°56	15°15	1°29	18°15	17°52	25°43	17°12	3°25	28° 0	27°41	16°15	n.a.	F 5
S 6	6 31 24	9°11'23	5♏ 2	27°12	16°28	2°16	18°24	17°52	25°45	17°13	3°26	28° 1	27°37	16°22	n.a.	S 6
S 7	6 35 21	10°12'08	19°14	28°21	17°40	3° 3	18°33	17°52	25°46	17°14	3°28	28° 2	27°34	16°29	n.a.	S 7
M 8	6 39 17	11°12'51	3♐22	29°24	18°52	3°49	18°42	17°51	25°47	17°14	3°29	28° 3	27°31	16°36	n.a.	M 8
T 9	6 43 14	12°13'33	17°24	0♒19	20° 4	4°36	18°51	17°51	25°49	17°15	3°31	28° 4	27°28	16°42	n.a.	T 9
W10	6 47 10	13°14'14	1♑14	1° 6	21°16	5°23	19° 1	17°50	25°50	17°15	3°32	28°R 4	27°25	16°49	n.a.	W10
T 11	6 51 7	14°14'53	14°52	1°44	22°28	6° 9	19°10	17°49	25°52	17°16	3°34	28° 3	27°22	16°56	n.a.	T 11
F 12	6 55 3	15°15'30	28°13	2°13	23°39	6°56	19°20	17°48	25°53	17°16	3°35	28° 2	27°18	17° 3	n.a.	F 12
S 13	6 59 0	16°16'05	11♒17	2°32	24°51	7°42	19°30	17°47	25°55	17°17	3°37	27°59	27°15	17° 9	n.a.	S 13
S 14	7 2 57	17°16'39	24° 4	2°R40	26° 3	8°29	19°40	17°46	25°57	17°17	3°39	27°56	27°12	17°16	n.a.	S 14
M15	7 6 53	18°17'11	6♓33	2°38	27°14	9°15	19°50	17°45	25°58	17°18	3°40	27°53	27° 9	17°23	n.a.	M15
T 16	7 10 50	19°17'41	18°48	2°26	28°25	10° 2	20° 0	17°44	26° 0	17°18	3°42	27°50	27° 6	17°29	n.a.	T 16
W17	7 14 46	20°18'08	0♈50	2° 4	29°37	10°48	20°10	17°42	26° 2	17°18	3°43	27°48	27° 2	17°36	n.a.	W17
T 18	7 18 43	21°18'34	12°46	1°33	0♓48	11°34	20°20	17°41	26° 4	17°18	3°45	27°46	26°59	17°43	n.a.	T 18
F 19	7 22 39	22°18'58	24°37	0°52	1°59	12°21	20°31	17°39	26° 6	17°19	3°47	27°D46	26°56	17°50	n.a.	F 19
S 20	7 26 36	23°19'19	6♉31	0° 5	3°10	13° 7	20°42	17°38	26° 8	17°19	3°48	27°47	26°53	17°56	n.a.	S 20
S 21	7 30 32	24°19'39	18°31	29♉10	4°20	13°53	20°52	17°36	26°10	17°19	3°50	27°48	26°50	18° 3	n.a.	S 21
M22	7 34 29	25°19'57	0♊42	28°11	5°31	14°40	21° 3	17°34	26°12	17°19	3°51	27°50	26°47	18°10	n.a.	M22
T 23	7 38 26	26°20'12	13° 8	27° 9	6°42	15°26	21°14	17°32	26°14	17°19	3°53	27°52	26°43	18°16	n.a.	T 23
W24	7 42 22	27°20'25	25°53	26° 5	7°52	16°12	21°25	17°30	26°16	17°19	3°55	27°R52	26°40	18°23	n.a.	W24
T 25	7 46 19	28°20'37	8♋59	25° 0	9° 2	16°58	21°36	17°28	26°18	17°R19	3°56	27°52	26°37	18°30	n.a.	T 25
F 26	7 50 15	29°20'46	22°25	23°57	10°12	17°44	21°47	17°26	26°20	17°19	3°58	27°50	26°34	18°37	n.a.	F 26
S 27	7 54 12	0♒20'53	6♌12	22°57	11°22	18°30	21°59	17°24	26°22	17°19	3°59	27°46	26°31	18°43	n.a.	S 27
S 28	7 58 8	1°20'58	20°15	22° 1	12°32	19°16	22°10	17°21	26°25	17°19	4° 1	27°41	26°28	18°50	n.a.	S 28
M29	8 2 5	2°21'01	4♍30	21° 9	13°42	20° 2	22°21	17°19	26°27	17°19	4° 3	27°36	26°24	18°57	n.a.	M29
T 30	8 6 1	3°21'03	18°52	20°23	14°51	20°48	22°33	17°16	26°29	17°19	4° 4	27°31	26°21	19° 3	n.a.	T 30
W31	8 9 58	4♒21'02	3♎16	19♉44	16♓ 1	21♒34	22♓45	17♍13	26♓32	17♎19	4♒ 6	27♐26	26♐18	19♈10	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	23s43	9n24	4s24	23s15	1s 1	19s19	1s30	21s53	1s 8	6s11	1s21	7n11	2n32	2s23	0s41	4s59	2n 0	32s18	13s 1	23s46	23s46	10n49			n.a.
T 2	23 40	3 56	4 59	22 50	0 51	18 57	1 28	21 43	1 7	6 7	1 21	7 11	2 32	2 22	0 41	5 0	2 0	32 18	13 1	23 46	23 45	10 51			n.a.
W 3	23 38	1s47	5 15	22 25	0 40	18 34	1 26	21 32	1 7	6 4	1 21	7 12	2 33	2 22	0 41	5 0	2 0	32 18	13 1	23 46	23 45	10 53			n.a.
T 4	23 35	7 26	5 13	21 58	0 28	18 11	1 24	21 22	1 7	6 0	1 20	7 12	2 33	2 21	0 41	5 0	2 0	32 17	13 1	23 46	23 45	10 56			n.a.
F 5	23 31	12 44	4 52	21 31	0 15	17 47	1 22	21 11	1 6	5 56	1 20	7 12	2 33	2 21	0 41	5 0	2 0	32 17	13 1	23 46	23 45	10 58			n.a.
S 6	23 27	17 21	4 13	21 3	0 2	17 23	1 20	21 0	1 6	5 52	1 20	7 13	2 33	2 20	0 41	5 0	2 0	32 16	13 1	23 46	23 45	11 1			n.a.
S 7	23 23	20 58	3 19	20 35	0n13	16 59	1 18	20 49	1 6	5 49	1 20	7 13	2 34	2 20	0 41	5 1	2 0	32 16	13 1	23 46	23 45	11 3			n.a.
M 8	23 18	23 17	2 12	20 7	0 28	16 34	1 15	20 38	1 5	5 45	1 19	7 13	2 34	2 19	0 41	5 1	2 0	32 15	13 1	23 46	23 45	11 5			n.a.
T 9	23 12	24 9	0 59	19 40	0 43	16 9	1 13	20 26	1 5	5 41	1 19	7 14	2 34	2 19	0 41	5 1	2 0	32 15	13 1	23 46	23 45	11 8			n.a.
W10	23 6	23 29	0n18	19 14	1 0	15 43	1 10	20 14	1 5	5 37	1 19	7 14	2 35	2 18	0 41	5 1	2 0	32 14	13 1	23 46	23 45	11 10			n.a.
T 11	23 0	21 25	1 32	18 49	1 16	15 17	1 8	20 2	1 4	5 33	1 19	7 15	2 35	2 17	0 41	5 1	2 0	32 14	13 0	23 46	23 45	11 12			n.a.
F 12	22 53	18 13	2 39	18 26	1 33	14 51	1 5	19 50	1 4	5 29	1 18	7 16	2 35	2 17	0 41	5 1	2 1	32 13	13 0	23 46	23 45	11 15			n.a.
S 13	22 46	14 10	3 36	18 5	1 50	14 24	1 2	19 37	1 4	5 25	1 18	7 16	2 35	2 16	0 41	5 1	2 1	32 13	13 0	23 46	23 45	11 17			n.a.
S 14	22 38	9 35	4 22	17 47	2 7	13 57	0 59	19 25	1 3	5 20	1 18	7 17	2 36	2 15	0 41	5 2	2 1	32 12	13 0	23 46	23 45	11 19			n.a.
M15	22 30	4 42	4 53	17 31	2 23	13 29	0 57	19 12	1 3	5 16	1 18	7 18	2 36	2 14	0 41	5 2	2 1	32 12	13 0	23 46	23 45	11 22			n.a.
T 16	22 22	0n16	5 11	17 19	2 39	13 1	0 54	18 59	1 2	5 12	1 17	7 18	2 36	2 14	0 41	5 2	2 1	32 11	13 0	23 45	23 45	11 24			n.a.
W17	22 13	5 8	5 14	17 9	2 54	12 33	0 51	18 46	1 2	5 8	1 17	7 19	2 36	2 13	0 41	5 2	2 1	32 11	13 0	23 45	23 45	11 26			n.a.
T 18	22 4	9 46	5 4	17 3	3 8	12 5	0 47	18 32	1 2	5 3	1 17	7 20	2 37	2 12	0 41	5 2	2 1	32 11	13 0	23 45	23 44	11 29			n.a.
F 19	21 54	14 1	4 41	17 0	3 20	11 36	0 44	18 19	1 1	4 59	1 17	7 21	2 37	2 11	0 40	5 2	2 1	32 10	13 0	23 45	23 44	11 31			n.a.
S 20	21 44	17 44	4 6	17 0	3 30	11 7	0 41	18 5	1 1	4 54	1 16	7 22	2 37	2 11	0 40	5 2	2 1	32 10	13 0	23 45	23 44	11 33			n.a.
S 21	21 33	20 46	3 19	17 2	3 39	10 38	0 38	17 51	1 1	4 50	1 16	7 23	2 38	2 10	0 40	5 2	2 1	32 9	13 0	23 45	23 44	11 36			n.a.
M22	21 22	22 55	2 24	17 8	3 46	10 9	0 34	17 37	1 0	4 45	1 16	7 24	2 38	2 9	0 40	5 2	2 1	32 9	13 0	23 45	23 44	11 38			n.a.
T 23	21 11	24 1	1 20	17 16	3 50	9 39	0 31	17 23	1 0	4 41	1 16	7 25	2 38	2 8	0 40	5 2	2 1	32 8	13 0	23 45	23 44	11 40			n.a.
W24	20 59	23 54	0 11	17 26	3 52	9 9	0 27	17 9	0 59	4 36	1 16	7 26	2 38	2 7	0 40	5 2	2 1	32 8	13 0	23 45	23 44	11 43			n.a.
T 25	20 47	22 28	1s 0	17 38	3 52	8 39	0 24	16 54	0 59	4 32	1 15	7 27	2 39	2 6	0 40	5 2	2 1	32 7	13 0	23 45	23 44	11 45			n.a.
F 26	20 34	19 44	2 10	17 51	3 50	8 9	0 20	16 40	0 58	4 27	1 15	7 28	2 39	2 5	0 40	5 2	2 1	32 7	13 0	23 45	23 44	11 47			n.a.
S 27	20 22	15 51	3 14	18 5	3 46	7 39	0 16	16 25	0 58	4 22	1 15	7 29	2 39	2 5	0 40	5 2	2 2	32 7	13 0	23 45	23 44	11 50			n.a.
S 28	20 8	11 2	4 7	18 20	3 40	7 8	0 12	16 10	0 58	4 18	1 15	7 30	2 39	2 4	0 40	5 1	2 2	32 6	13 0	23 45	23 44	11 52			n.a.
M29	19 55	5 34	4 46	18 36	3 32	6 38	0 9	15 55	0 57	4 13	1 15	7 31	2 40	2 3	0 40	5 1	2 2	32 6	13 0	23 45	23 44	11 54			n.a.
T 30	19 41	0s14	5 7	18 52	3 23	6 7	0 5	15 39	0 57	4 8	1 14	7 33	2 40	2 2	0 40	5 1	2 2	32 5	13 0	23 45	23 43	11 57			n.a.
W31	19s27	6s 2	5s 9	19s 8	3n13	5s36	0s 1	15s24	0s56	4s 3	1s14	7n34	2n40	2s 1	0s40	5s 1	2n 2	32s 5	13s 0	23s45	23s43	11n59			n.a.

Julian Day Number = 1476705.5, Delta T = 05h26m15s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'36, Lahiri = -13°12'36 Julian Calendar 1 Jan. 670 BCE == Greg. Calendar 25 Dec. 671 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

FEBRUARY 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 13 54	5♒21'00	17♎36	19°R10	17♓10	22♒20	22♓56	17°R11	26♓34	17°R19	4♒ 8	27°R23	26♐15	19♈17	n.a.	T 1
F 2	8 17 51	6°20'56	1♏51	18♑44	18°19	23° 5	23° 8	17♍ 8	26°36	17♎18	4° 9	27°D22	26°12	19°24	n.a.	F 2
S 3	8 21 48	7°20'50	15°56	18°24	19°28	23°51	23°20	17° 5	26°39	17°18	4°11	27♐22	26° 8	19°30	n.a.	S 3
S 4	8 25 44	8°20'43	29°51	18°11	20°37	24°37	23°32	17° 2	26°41	17°18	4°13	27°23	26° 5	19°37	n.a.	S 4
M 5	8 29 41	9°20'34	13♐36	18° 5	21°46	25°23	23°44	16°59	26°44	17°17	4°14	27°25	26° 2	19°44	n.a.	M 5
T 6	8 33 37	10°20'23	27°11	18°D 5	22°54	26° 8	23°56	16°56	26°47	17°17	4°16	27°R25	25°59	19°50	n.a.	T 6
W 7	8 37 34	11°20'10	10♑34	18°11	24° 2	26°54	24° 9	16°53	26°49	17°17	4°17	27°24	25°56	19°57	n.a.	W 7
T 8	8 41 30	12°19'56	23°47	18°22	25°10	27°39	24°21	16°49	26°52	17°16	4°19	27°21	25°53	20° 4	n.a.	T 8
F 9	8 45 27	13°19'39	6♒48	18°40	26°18	28°25	24°33	16°46	26°54	17°16	4°21	27°16	25°49	20°11	n.a.	F 9
S 10	8 49 23	14°19'20	19°36	19° 2	27°26	29°10	24°46	16°42	26°57	17°15	4°22	27° 9	25°46	20°17	n.a.	S 10
S 11	8 53 20	15°18'59	2♓11	19°29	28°34	29°56	24°58	16°39	27° 0	17°15	4°24	27° 0	25°43	20°24	n.a.	S 11
M12	8 57 17	16°18'35	14°34	20° 1	29°41	0♓41	25°11	16°35	27° 3	17°14	4°25	26°51	25°40	20°31	n.a.	M12
T 13	9 1 13	17°18'09	26°45	20°37	0♈48	1°26	25°23	16°32	27° 5	17°14	4°27	26°42	25°37	20°37	n.a.	T 13
W14	9 5 10	18°17'41	8♈46	21°17	1°55	2°12	25°36	16°28	27° 8	17°13	4°29	26°34	25°33	20°44	n.a.	W14
T 15	9 9 6	19°17'11	20°40	22° 1	3° 2	2°57	25°49	16°24	27°11	17°12	4°30	26°27	25°30	20°51	n.a.	T 15
F 16	9 13 3	20°16'38	2♉31	22°49	4° 9	3°42	26° 2	16°20	27°14	17°12	4°32	26°23	25°27	20°57	n.a.	F 16
S 17	9 16 59	21°16'03	14°23	23°39	5°15	4°27	26°15	16°17	27°17	17°11	4°33	26°21	25°24	21° 4	n.a.	S 17
S 18	9 20 56	22°15'26	26°20	24°33	6°21	5°12	26°28	16°13	27°20	17°10	4°35	26°D21	25°21	21°11	n.a.	S 18
M19	9 24 52	23°14'46	8♊29	25°30	7°27	5°57	26°41	16° 9	27°23	17° 9	4°37	26°22	25°18	21°18	n.a.	M19
T 20	9 28 49	24°14'03	20°55	26°30	8°33	6°42	26°54	16° 5	27°26	17° 9	4°38	26°R23	25°14	21°24	n.a.	T 20
W21	9 32 46	25°13'18	3♋41	27°32	9°38	7°27	27° 7	16° 1	27°29	17° 8	4°40	26°23	25°11	21°31	n.a.	W21
T 22	9 36 42	26°12'31	16°52	28°37	10°43	8°12	27°20	15°56	27°32	17° 7	4°41	26°21	25° 8	21°38	n.a.	T 22
F 23	9 40 39	27°11'42	0♌30	29°45	11°48	8°57	27°33	15°52	27°35	17° 6	4°43	26°16	25° 5	21°44	n.a.	F 23
S 24	9 44 35	28°10'50	14°33	0♒54	12°52	9°42	27°46	15°48	27°38	17° 5	4°44	26°10	25° 2	21°51	n.a.	S 24
S 25	9 48 32	29° 9'56	28°58	2° 6	13°57	10°27	28° 0	15°44	27°41	17° 4	4°46	26° 1	24°59	21°58	n.a.	S 25
M26	9 52 28	0♓ 8'59	13♍40	3°20	15° 1	11°11	28°13	15°40	27°44	17° 3	4°47	25°51	24°55	22° 5	n.a.	M26
T 27	9 56 25	1° 8'01	28°31	4°36	16° 5	11°56	28°27	15°35	27°47	17° 2	4°49	25°41	24°52	22°11	n.a.	T 27
W28	10 0 21	2♓ 7'00	13♎21	5♒53	17♈ 8	12♓41	28♓40	15♍31	27♓51	17♎ 1	4♒50	25♐33	24♐49	22♈18	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s12	11s29	4s52	19s23	3n 1	5s 5	0n 3	15s 9	0s56	3s58	1s14	7n35	2n40	2s 0	0s40	5s 1	2n 2	32s 5	13s 0	23s45	23s43	12n 1		n.a.
F 2	18 57	16 17	4 17	19 39	2 49	4 34	0 7	14 53	0 55	3 53	1 14	7 36	2 40	1 59	0 40	5 1	2 2	32 4	13 0	23 45	23 43	12 3		n.a.
S 3	18 42	20 7	3 26	19 54	2 37	4 3	0 12	14 37	0 55	3 48	1 14	7 38	2 41	1 58	0 40	5 1	2 2	32 4	13 0	23 45	23 43	12 6		n.a.
S 4	18 26	22 45	2 24	20 9	2 24	3 32	0 16	14 21	0 54	3 43	1 13	7 39	2 41	1 57	0 40	5 0	2 2	32 4	13 0	23 45	23 43	12 8		n.a.
M 5	18 10	23 59	1 14	20 23	2 10	3 0	0 20	14 5	0 54	3 38	1 13	7 41	2 41	1 56	0 40	5 0	2 2	32 3	13 0	23 45	23 43	12 10		n.a.
T 6	17 54	23 46	0 1	20 36	1 57	2 29	0 24	13 49	0 54	3 33	1 13	7 42	2 41	1 54	0 40	5 0	2 2	32 3	13 0	23 45	23 43	12 13		n.a.
W 7	17 37	22 10	1n11	20 49	1 44	1 58	0 29	13 33	0 53	3 28	1 13	7 43	2 41	1 53	0 40	5 0	2 2	32 2	13 0	23 45	23 43	12 15		n.a.
T 8	17 20	19 23	2 18	21 0	1 30	1 26	0 33	13 17	0 53	3 23	1 13	7 45	2 42	1 52	0 40	5 0	2 2	32 2	13 1	23 45	23 43	12 17		n.a.
F 9	17 3	15 40	3 16	21 11	1 17	0 55	0 37	13 0	0 52	3 18	1 12	7 46	2 42	1 51	0 40	4 59	2 2	32 2	13 1	23 45	23 43	12 19		n.a.
S 10	16 46	11 18	4 4	21 21	1 4	0 24	0 42	12 44	0 52	3 13	1 12	7 48	2 42	1 50	0 40	4 59	2 2	32 1	13 1	23 45	23 42	12 22		n.a.
S 11	16 28	6 31	4 39	21 30	0 51	0n 8	0 46	12 27	0 51	3 8	1 12	7 50	2 42	1 49	0 40	4 59	2 3	32 1	13 1	23 44	23 42	12 24		n.a.
M12	16 10	1 34	4 59	21 38	0 38	0 39	0 51	12 10	0 51	3 2	1 12	7 51	2 42	1 48	0 40	4 59	2 3	32 1	13 1	23 44	23 42	12 26		n.a.
T 13	15 52	3n22	5 6	21 44	0 26	1 10	0 55	11 54	0 50	2 57	1 12	7 53	2 43	1 47	0 40	4 58	2 3	32 0	13 1	23 44	23 42	12 28		n.a.
W14	15 33	8 6	5 0	21 50	0 14	1 41	1 0	11 37	0 50	2 52	1 12	7 54	2 43	1 46	0 40	4 58	2 3	32 0	13 1	23 44	23 42	12 31		n.a.
T 15	15 15	12 29	4 40	21 54	0 3	2 12	1 4	11 20	0 49	2 47	1 11	7 56	2 43	1 44	0 40	4 58	2 3	32 0	13 1	23 44	23 42	12 33		n.a.
F 16	14 56	16 23	4 8	21 57	0s 8	2 43	1 9	11 3	0 49	2 41	1 11	7 58	2 43	1 43	0 40	4 57	2 3	31 59	13 1	23 44	23 42	12 35		n.a.
S 17	14 37	19 39	3 26	21 59	0 19	3 14	1 14	10 45	0 48	2 36	1 11	7 59	2 43	1 42	0 40	4 57	2 3	31 59	13 1	23 43	23 42	12 37		n.a.
S 18	14 17	22 6	2 34	22 0	0 29	3 45	1 18	10 28	0 48	2 31	1 11	8 1	2 43	1 41	0 40	4 57	2 3	31 59	13 2	23 43	23 42	12 39		n.a.
M19	13 58	23 35	1 34	21 59	0 39	4 16	1 23	10 11	0 47	2 25	1 11	8 3	2 44	1 40	0 40	4 56	2 3	31 59	13 2	23 44	23 41	12 42		n.a.
T 20	13 38	23 57	0 29	21 57	0 49	4 46	1 28	9 54	0 47	2 20	1 11	8 5	2 44	1 38	0 40	4 56	2 3	31 58	13 2	23 44	23 41	12 44		n.a.
W21	13 18	23 4	0s39	21 53	0 58	5 17	1 32	9 36	0 46	2 14	1 11	8 6	2 44	1 37	0 40	4 56	2 3	31 58	13 2	23 44	23 41	12 46		n.a.
T 22	12 57	20 55	1 47	21 49	1 6	5 47	1 37	9 19	0 46	2 9	1 10	8 8	2 44	1 36	0 39	4 55	2 3	31 58	13 2	23 43	23 41	12 48		n.a.
F 23	12 37	17 32	2 52	21 42	1 15	6 17	1 42	9 1	0 45	2 4	1 10	8 10	2 44	1 35	0 39	4 55	2 3	31 58	13 2	23 43	23 41	12 51		n.a.
S 24	12 16	13 4	3 47	21 35	1 22	6 47	1 47	8 44	0 45	1 58	1 10	8 12	2 44	1 33	0 39	4 55	2 3	31 57	13 2	23 43	23 41	12 53		n.a.
S 25	11 56	7 46	4 30	21 25	1 29	7 17	1 51	8 26	0 44	1 53	1 10	8 13	2 44	1 32	0 39	4 54	2 3	31 57	13 3	23 43	23 41	12 55		n.a.
M26	11 35	1 57	4 56	21 15	1 36	7 46	1 56	8 8	0 43	1 47	1 10	8 15	2 45	1 31	0 39	4 54	2 3	31 57	13 3	23 43	23 41	12 57		n.a.
T 27	11 13	4s 1	5 3	21 2	1 43	8 16	2 1	7 51	0 43	1 42	1 10	8 17	2 45	1 29	0 39	4 53	2 3	31 57	13 3	23 42	23 40	12 59		n.a.
W28	10s52	9s45	4s49	20s49	1s48	8n45	2n 5	7s33	0s42	1s36	1s10	8n19	2n45	1s28	0s39	4s53	2n 3	31s56	13s 3	23s42	23s40	13n 1		n.a.

Julian Day Number = 1476736.5, Delta T = 05h26m13s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'32, Lahiri = -13°12'32 Julian Calendar 1 Feb. 670 BCE == Greg. Calendar 25 Jan. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

MARCH 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 4 18	3♓ 5'58	28♎ 2	7♒13	18♈11	13♓25	28♓54	15°R27	27♓54	17°R 0	4♒52	25°R26	24♐46	22♈25	n.a.	T 1
F 2	10 8 14	4° 4'53	12♏30	8°35	19°14	14°10	29° 7	15♍22	27°57	16♎59	4°53	25♐22	24°43	22°31	n.a.	F 2
S 3	10 12 11	5° 3'47	26°41	9°58	20°16	14°54	29°21	15°18	28° 0	16°58	4°55	25°20	24°39	22°38	n.a.	S 3
S 4	10 16 8	6° 2'40	10♐33	11°23	21°18	15°39	29°34	15°13	28° 3	16°57	4°56	25°D20	24°36	22°45	n.a.	S 4
M 5	10 20 4	7° 1'30	24° 8	12°50	22°20	16°23	29°48	15° 9	28° 7	16°56	4°58	25°R20	24°33	22°52	n.a.	M 5
T 6	10 24 1	8° 0'19	7♑26	14°19	23°22	17° 7	0♈ 2	15° 4	28°10	16°55	4°59	25°20	24°30	22°58	n.a.	T 6
W 7	10 27 57	8°59'05	20°30	15°49	24°23	17°52	0°15	15° 0	28°13	16°54	5° 0	25°17	24°27	23° 5	n.a.	W 7
T 8	10 31 54	9°57'50	3♒22	17°21	25°24	18°36	0°29	14°55	28°17	16°52	5° 2	25°12	24°24	23°12	n.a.	T 8
F 9	10 35 50	10°56'33	16° 2	18°54	26°24	19°20	0°43	14°51	28°20	16°51	5° 3	25° 4	24°20	23°18	n.a.	F 9
S 10	10 39 47	11°55'14	28°32	20°29	27°24	20° 4	0°57	14°46	28°23	16°50	5° 4	24°54	24°17	23°25	n.a.	S 10
S 11	10 43 43	12°53'52	10♓53	22° 6	28°24	20°48	1°11	14°42	28°27	16°49	5° 6	24°41	24°14	23°32	n.a.	S 11
M12	10 47 40	13°52'29	23° 5	23°44	29°23	21°32	1°24	14°37	28°30	16°47	5° 7	24°27	24°11	23°38	n.a.	M12
T 13	10 51 36	14°51'04	5♈ 9	25°24	0♉21	22°16	1°38	14°32	28°33	16°46	5° 8	24°14	24° 8	23°45	n.a.	T 13
W14	10 55 33	15°49'36	17° 5	27° 5	1°20	23° 0	1°52	14°28	28°37	16°45	5°10	24° 1	24° 5	23°52	n.a.	W14
T 15	10 59 30	16°48'06	28°57	28°48	2°17	23°44	2° 6	14°23	28°40	16°43	5°11	23°51	24° 1	23°59	n.a.	T 15
F 16	11 3 26	17°46'34	10♉46	0♓33	3°15	24°28	2°20	14°19	28°43	16°42	5°12	23°44	23°58	24° 5	n.a.	F 16
S 17	11 7 23	18°45'00	22°37	2°19	4°12	25°11	2°34	14°14	28°47	16°41	5°14	23°39	23°55	24°12	n.a.	S 17
S 18	11 11 19	19°43'24	4♊33	4° 7	5° 8	25°55	2°48	14°10	28°50	16°39	5°15	23°37	23°52	24°19	n.a.	S 18
M19	11 15 16	20°41'46	16°39	5°57	6° 4	26°39	3° 2	14° 5	28°54	16°38	5°16	23°37	23°49	24°25	n.a.	M19
T 20	11 19 12	21°40'05	29° 2	7°48	6°59	27°22	3°16	14° 1	28°57	16°37	5°17	23°37	23°45	24°32	n.a.	T 20
W21	11 23 9	22°38'23	11♋45	9°41	7°54	28° 6	3°30	13°56	29° 0	16°35	5°19	23°36	23°42	24°39	n.a.	W21
T 22	11 27 5	23°36'38	24°54	11°35	8°48	28°50	3°45	13°52	29° 4	16°34	5°20	23°34	23°39	24°46	n.a.	T 22
F 23	11 31 2	24°34'50	8♌32	13°31	9°41	29°33	3°59	13°47	29° 7	16°32	5°21	23°29	23°36	24°52	n.a.	F 23
S 24	11 34 59	25°33'01	22°39	15°29	10°34	0♈16	4°13	13°43	29°11	16°31	5°22	23°22	23°33	24°59	n.a.	S 24
S 25	11 38 55	26°31'10	7♍14	17°28	11°26	1° 0	4°27	13°38	29°14	16°29	5°23	23°12	23°30	25° 6	n.a.	S 25
M26	11 42 52	27°29'16	22°10	19°29	12°18	1°43	4°41	13°34	29°18	16°28	5°24	23° 1	23°26	25°12	n.a.	M26
T 27	11 46 48	28°27'21	7♎18	21°31	13° 9	2°26	4°55	13°30	29°21	16°26	5°25	22°50	23°23	25°19	n.a.	T 27
W28	11 50 45	29°25'24	22°29	23°35	13°59	3° 9	5° 9	13°25	29°24	16°25	5°26	22°40	23°20	25°26	n.a.	W28
T 29	11 54 41	0♈23'25	7♏32	25°40	14°48	3°53	5°23	13°21	29°28	16°23	5°27	22°33	23°17	25°32	n.a.	T 29
F 30	11 58 38	1°21'25	22°18	27°47	15°37	4°36	5°38	13°17	29°31	16°22	5°28	22°28	23°14	25°39	n.a.	F 30
S 31	12 2 34	2♈19'24	6♐43	29♓54	16♉25	5♈19	5♈52	13♍13	29♓35	16♎20	5♒29	22♐25	23♐10	25♈46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s31	14s54	4s16	20s34	1s54	9n14	2n10	7s15	0s42	1s30	1s10	8n21	2n45	1s27	0s39	4s52	2n 4	31s56	13s 3	23s42	23s40	13n 4		n.a.
F 2	10 9	19 5	3 27	20 17	1 59	9 42	2 15	6 57	0 41	1 25	1 9	8 22	2 45	1 26	0 39	4 52	2 4	31 56	13 3	23 42	23 40	13 6		n.a.
S 3	9 47	22 3	2 26	19 58	2 3	10 11	2 20	6 39	0 41	1 19	1 9	8 24	2 45	1 24	0 39	4 51	2 4	31 56	13 4	23 42	23 40	13 8		n.a.
S 4	9 25	23 37	1 18	19 38	2 7	10 39	2 24	6 21	0 40	1 14	1 9	8 26	2 45	1 23	0 39	4 51	2 4	31 55	13 4	23 42	23 40	13 10		n.a.
M 5	9 3	23 45	0 6	19 17	2 11	11 7	2 29	6 3	0 40	1 8	1 9	8 28	2 45	1 22	0 39	4 51	2 4	31 55	13 4	23 42	23 40	13 12		n.a.
T 6	8 41	22 30	1n 4	18 54	2 14	11 34	2 34	5 45	0 39	1 2	1 9	8 30	2 45	1 20	0 39	4 50	2 4	31 55	13 4	23 42	23 40	13 14		n.a.
W 7	8 19	20 4	2 9	18 29	2 16	12 1	2 38	5 27	0 39	0 57	1 9	8 32	2 45	1 19	0 39	4 50	2 4	31 55	13 4	23 41	23 39	13 17		n.a.
T 8	7 56	16 39	3 7	18 3	2 18	12 28	2 43	5 9	0 38	0 51	1 9	8 33	2 45	1 18	0 39	4 49	2 4	31 55	13 5	23 41	23 39	13 19		n.a.
F 9	7 34	12 32	3 54	17 35	2 20	12 55	2 47	4 51	0 37	0 46	1 9	8 35	2 45	1 16	0 39	4 49	2 4	31 55	13 5	23 41	23 39	13 21		n.a.
S 10	7 11	7 56	4 30	17 5	2 21	13 21	2 52	4 33	0 37	0 40	1 9	8 37	2 46	1 15	0 39	4 48	2 4	31 54	13 5	23 41	23 39	13 23		n.a.
S 11	6 49	3 6	4 52	16 34	2 21	13 47	2 56	4 15	0 36	0 34	1 8	8 39	2 46	1 14	0 39	4 47	2 4	31 54	13 5	23 40	23 39	13 25		n.a.
M12	6 26	1n48	5 0	16 1	2 21	14 13	3 1	3 57	0 36	0 28	1 8	8 41	2 46	1 12	0 39	4 47	2 4	31 54	13 5	23 39	23 39	13 27		n.a.
T 13	6 3	6 34	4 55	15 26	2 21	14 38	3 5	3 39	0 35	0 23	1 8	8 43	2 46	1 11	0 39	4 46	2 4	31 54	13 6	23 39	23 39	13 30		n.a.
W14	5 40	11 3	4 37	14 50	2 20	15 3	3 9	3 21	0 35	0 17	1 8	8 44	2 46	1 9	0 39	4 46	2 4	31 54	13 6	23 38	23 38	13 32		n.a.
T 15	5 17	15 5	4 6	14 12	2 18	15 28	3 14	3 3	0 34	0 11	1 8	8 46	2 46	1 8	0 39	4 45	2 4	31 54	13 6	23 38	23 38	13 34		n.a.
F 16	4 54	18 31	3 26	13 33	2 16	15 52	3 18	2 44	0 33	0 6	1 8	8 48	2 46	1 7	0 39	4 45	2 4	31 54	13 6	23 38	23 38	13 36		n.a.
S 17	4 31	21 12	2 36	12 52	2 13	16 15	3 22	2 26	0 33	0n 0	1 8	8 50	2 46	1 5	0 39	4 44	2 4	31 54	13 7	23 37	23 38	13 38		n.a.
S 18	4 7	22 58	1 39	12 9	2 10	16 39	3 26	2 8	0 32	0 6	1 8	8 52	2 46	1 4	0 39	4 44	2 4	31 54	13 7	23 37	23 38	13 40		n.a.
M19	3 44	23 42	0 37	11 25	2 7	17 2	3 30	1 50	0 32	0 12	1 8	8 53	2 46	1 3	0 39	4 43	2 4	31 53	13 7	23 37	23 38	13 42		n.a.
T 20	3 21	23 18	0s29	10 39	2 2	17 24	3 34	1 32	0 31	0 17	1 8	8 55	2 46	1 1	0 39	4 42	2 4	31 53	13 7	23 37	23 38	13 44		n.a.
W21	2 58	21 41	1 34	9 52	1 58	17 46	3 38	1 14	0 31	0 23	1 8	8 57	2 46	1 0	0 39	4 42	2 4	31 53	13 8	23 37	23 37	13 46		n.a.
T 22	2 34	18 52	2 37	9 3	1 52	18 7	3 42	0 56	0 30	0 29	1 7	8 59	2 46	0 58	0 39	4 41	2 4	31 53	13 8	23 37	23 37	13 49		n.a.
F 23	2 11	14 57	3 34	8 12	1 46	18 28	3 45	0 38	0 29	0 34	1 7	9 0	2 46	0 57	0 39	4 41	2 4	31 53	13 8	23 37	23 37	13 51		n.a.
S 24	1 48	10 5	4 19	7 20	1 40	18 49	3 49	0 20	0 29	0 40	1 7	9 2	2 46	0 56	0 39	4 40	2 4	31 53	13 9	23 36	23 37	13 53		n.a.
S 25	1 24	4 31	4 49	6 27	1 33	19 9	3 53	0 2	0 28	0 46	1 7	9 4	2 46	0 54	0 39	4 40	2 4	31 53	13 9	23 36	23 37	13 55		n.a.
M26	1 1	1s26	5 0	5 32	1 26	19 29	3 56	0n16	0 28	0 52	1 7	9 5	2 46	0 53	0 39	4 39	2 4	31 53	13 9	23 35	23 37	13 57		n.a.
T 27	0 37	7 23	4 51	4 36	1 18	19 48	3 59	0 34	0 27	0 57	1 7	9 7	2 45	0 51	0 39	4 38	2 5	31 53	13 9	23 35	23 36	13 59		n.a.
W28	0 14	12 54	4 21	3 39	1 10	20 6	4 3	0 52	0 26	1 3	1 7	9 9	2 45	0 50	0 39	4 38	2 5	31 53	13 10	23 34	23 36	14 1		n.a.
T 29	0n 9	17 34	3 33	2 40	1 1	20 25	4 6	1 10	0 26	1 9	1 7	9 10	2 45	0 49	0 39	4 37	2 5	31 53	13 10	23 34	23 36	14 3		n.a.
F 30	0 33	21 3	2 32	1 41	0 52	20 42	4 9	1 28	0 25	1 15	1 7	9 12	2 45	0 47	0 39	4 36	2 5	31 53	13 10	23 33	23 36	14 5		n.a.
S 31	0n56	23s 5	1s22	0s41	0s42	20n59	4n11	1n46	0s25	1n20	1s 7	9n13	2n45	0s46	0s39	4s36	2n 5	31s53	13s11	23s33	23s36	14n 7		n.a.

Julian Day Number = 1476764.5, Delta T = 05h26m12s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'28, Lahiri = -13°12'28 Julian Calendar 1 March 670 BCE == Greg. Calendar 22 Feb. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

APRIL 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 6 31	3♈17'21	20♐42	2♈ 3	17♉12	6♈ 2	6♈ 6	13°R 9	29♓38	16°R18	5♒30	22°D25	23♐ 7	25♈53	n.a.	S 1
M 2	12 10 28	4°15'16	4♉18	4°12	17°58	6°45	6°20	13♍ 4	29°42	16♎17	5°31	22°R25	23° 4	25°59	n.a.	M 2
T 3	12 14 24	5°13'10	17°32	6°22	18°43	7°28	6°34	13° 0	29°45	16°15	5°32	22♐24	23° 1	26° 6	n.a.	T 3
W 4	12 18 21	6°11'03	0♒28	8°32	19°27	8°10	6°49	12°56	29°49	16°14	5°33	22°22	22°58	26°13	n.a.	W 4
T 5	12 22 17	7° 8'55	13° 7	10°42	20°11	8°53	7° 3	12°52	29°52	16°12	5°34	22°17	22°55	26°19	n.a.	T 5
F 6	12 26 14	8° 6'45	25°34	12°52	20°53	9°36	7°17	12°49	29°55	16°10	5°35	22°10	22°51	26°26	n.a.	F 6
S 7	12 30 10	9° 4'33	7♓50	15° 1	21°34	10°19	7°31	12°45	29°59	16° 9	5°36	22° 0	22°48	26°33	n.a.	S 7
S 8	12 34 7	10° 2'20	19°59	17° 9	22°15	11° 1	7°45	12°41	0♈ 2	16° 7	5°37	21°48	22°45	26°39	n.a.	S 8
M 9	12 38 3	11° 0'06	2♈ 0	19°17	22°54	11°44	7°59	12°37	0° 6	16° 6	5°38	21°36	22°42	26°46	n.a.	M 9
T 10	12 42 0	11°57'50	13°56	21°23	23°32	12°26	8°14	12°33	0° 9	16° 4	5°39	21°23	22°39	26°53	n.a.	T 10
W11	12 45 56	12°55'33	25°49	23°27	24° 9	13° 9	8°28	12°30	0°12	16° 2	5°39	21°11	22°36	27° 0	n.a.	W11
T 12	12 49 53	13°53'14	7♉38	25°30	24°44	13°51	8°42	12°26	0°16	16° 1	5°40	21° 2	22°32	27° 6	n.a.	T 12
F 13	12 53 50	14°50'53	19°28	27°31	25°19	14°34	8°56	12°23	0°19	15°59	5°41	20°55	22°29	27°13	n.a.	F 13
S 14	12 57 46	15°48'32	1♊19	29°29	25°52	15°16	9°10	12°19	0°22	15°58	5°42	20°50	22°26	27°20	n.a.	S 14
S 15	13 1 43	16°46'08	13°17	1♉25	26°23	15°58	9°24	12°16	0°26	15°56	5°42	20°49	22°23	27°26	n.a.	S 15
M16	13 5 39	17°43'43	25°24	3°18	26°53	16°41	9°38	12°13	0°29	15°54	5°43	20°D48	22°20	27°33	n.a.	M16
T 17	13 9 36	18°41'17	7♋45	5° 8	27°22	17°23	9°52	12° 9	0°32	15°53	5°44	20°49	22°16	27°40	n.a.	T 17
W18	13 13 32	19°38'49	20°26	6°56	27°49	18° 5	10° 6	12° 6	0°36	15°51	5°44	20°R49	22°13	27°46	n.a.	W18
T 19	13 17 29	20°36'19	3♌31	8°41	28°14	18°47	10°21	12° 3	0°39	15°49	5°45	20°49	22°10	27°53	n.a.	T 19
F 20	13 21 25	21°33'48	17° 3	10°22	28°38	19°29	10°35	12° 0	0°42	15°48	5°45	20°46	22° 7	28° 0	n.a.	F 20
S 21	13 25 22	22°31'15	1♍ 5	12° 1	29° 0	20°11	10°49	11°57	0°46	15°46	5°46	20°41	22° 4	28° 7	n.a.	S 21
S 22	13 29 19	23°28'40	15°35	13°37	29°20	20°53	11° 3	11°54	0°49	15°45	5°46	20°34	22° 1	28°13	n.a.	S 22
M23	13 33 15	24°26'05	0♎30	15° 9	29°38	21°35	11°17	11°52	0°52	15°43	5°47	20°26	21°57	28°20	n.a.	M23
T 24	13 37 12	25°23'28	15°41	16°39	29°55	22°17	11°30	11°49	0°55	15°41	5°47	20°18	21°54	28°27	n.a.	T 24
W25	13 41 8	26°20'50	0♏59	18° 5	0♊ 9	22°58	11°44	11°46	0°58	15°40	5°48	20°11	21°51	28°33	n.a.	W25
T 26	13 45 5	27°18'11	16°13	19°28	0°22	23°40	11°58	11°44	1° 2	15°38	5°48	20° 5	21°48	28°40	n.a.	T 26
F 27	13 49 1	28°15'31	1♐12	20°48	0°32	24°22	12°12	11°41	1° 5	15°37	5°49	20° 2	21°45	28°47	n.a.	F 27
S 28	13 52 58	29°12'50	15°49	22° 4	0°40	25° 4	12°26	11°39	1° 8	15°35	5°49	20°D 0	21°41	28°53	n.a.	S 28
S 29	13 56 54	0♉10'09	0♉ 1	23°17	0°46	25°45	12°40	11°37	1°11	15°33	5°50	20° 1	21°38	29° 0	n.a.	S 29
M30	14 0 51	1♉ 7'27	13♉45	24♉27	0♊50	26♈27	12♈54	11♍35	1♈14	15♎32	5♒50	20♐ 2	21♐35	29♈ 7	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n20	23s36	0s 9	0n20	0s32	21n16	4n14	2n 4	0s24	1n26	1s 7	9n15	2n45	0s44	0s39	4s35	2n 5	31s53	13s11	23s33	23s36	14n 9		n.a.
M 2	1 43	22 40	1n 3	1 21	0 22	21 31	4 17	2 21	0 23	1 32	1 7	9 16	2 45	0 43	0 39	4 35	2 5	31 53	13 11	23 33	23 35	14 11		n.a.
T 3	2 6	20 29	2 9	2 23	0 12	21 47	4 19	2 39	0 23	1 38	1 7	9 18	2 45	0 42	0 39	4 34	2 5	31 53	13 11	23 33	23 35	14 13		n.a.
W 4	2 29	17 18	3 7	3 25	0 1	22 2	4 21	2 57	0 22	1 43	1 7	9 19	2 45	0 40	0 39	4 33	2 5	31 53	13 12	23 33	23 35	14 15		n.a.
T 5	2 53	13 22	3 54	4 26	0n10	22 16	4 24	3 14	0 22	1 49	1 7	9 21	2 45	0 39	0 39	4 33	2 5	31 53	13 12	23 33	23 35	14 17		n.a.
F 6	3 16	8 57	4 30	5 27	0 20	22 29	4 26	3 32	0 21	1 55	1 7	9 22	2 45	0 38	0 39	4 32	2 5	31 53	13 12	23 32	23 35	14 20		n.a.
S 7	3 39	4 14	4 52	6 28	0 31	22 42	4 27	3 49	0 21	2 0	1 6	9 24	2 45	0 36	0 39	4 31	2 5	31 53	13 13	23 32	23 35	14 22		n.a.
S 8	4 2	0n35	5 1	7 28	0 41	22 55	4 29	4 7	0 20	2 6	1 6	9 25	2 44	0 35	0 39	4 31	2 5	31 53	13 13	23 31	23 34	14 24		n.a.
M 9	4 25	5 20	4 56	8 27	0 52	23 6	4 30	4 24	0 19	2 12	1 6	9 26	2 44	0 33	0 39	4 30	2 5	31 54	13 13	23 30	23 34	14 26		n.a.
T 10	4 48	9 50	4 39	9 24	1 2	23 18	4 32	4 42	0 19	2 18	1 6	9 28	2 44	0 32	0 39	4 30	2 5	31 54	13 14	23 29	23 34	14 28		n.a.
W11	5 10	13 58	4 9	10 20	1 12	23 28	4 33	4 59	0 18	2 23	1 6	9 29	2 44	0 31	0 39	4 29	2 5	31 54	13 14	23 29	23 34	14 30		n.a.
T 12	5 33	17 32	3 28	11 15	1 21	23 38	4 33	5 16	0 18	2 29	1 6	9 30	2 44	0 29	0 39	4 28	2 5	31 54	13 14	23 28	23 34	14 32		n.a.
F 13	5 56	20 23	2 39	12 7	1 30	23 47	4 34	5 34	0 17	2 35	1 6	9 32	2 44	0 28	0 39	4 28	2 5	31 54	13 15	23 28	23 34	14 34		n.a.
S 14	6 18	22 23	1 42	12 58	1 38	23 56	4 34	5 51	0 16	2 40	1 6	9 33	2 44	0 27	0 39	4 27	2 5	31 54	13 15	23 27	23 33	14 36		n.a.
S 15	6 41	23 23	0 40	13 47	1 46	24 3	4 34	6 8	0 16	2 46	1 6	9 34	2 44	0 25	0 39	4 26	2 5	31 54	13 15	23 27	23 33	14 38		n.a.
M16	7 3	23 17	0s25	14 33	1 53	24 11	4 34	6 25	0 15	2 52	1 6	9 35	2 43	0 24	0 39	4 26	2 5	31 54	13 16	23 27	23 33	14 40		n.a.
T 17	7 25	22 3	1 29	15 17	1 59	24 17	4 34	6 42	0 14	2 57	1 6	9 36	2 43	0 23	0 39	4 25	2 5	31 55	13 16	23 27	23 33	14 42		n.a.
W18	7 47	19 42	2 32	15 59	2 5	24 23	4 33	6 58	0 14	3 3	1 6	9 37	2 43	0 21	0 39	4 24	2 5	31 55	13 16	23 27	23 33	14 44		n.a.
T 19	8 9	16 16	3 28	16 39	2 10	24 28	4 32	7 15	0 13	3 8	1 6	9 38	2 43	0 20	0 39	4 24	2 5	31 55	13 17	23 27	23 32	14 46		n.a.
F 20	8 31	11 54	4 15	17 16	2 15	24 32	4 31	7 32	0 13	3 14	1 6	9 39	2 43	0 19	0 39	4 23	2 5	31 55	13 17	23 27	23 32	14 48		n.a.
S 21	8 53	6 46	4 48	17 51	2 18	24 35	4 29	7 49	0 12	3 20	1 6	9 40	2 43	0 17	0 39	4 23	2 5	31 55	13 17	23 27	23 32	14 50		n.a.
S 22	9 15	1 6	5 4	18 23	2 21	24 38	4 27	8 5	0 11	3 25	1 6	9 41	2 43	0 16	0 39	4 22	2 5	31 55	13 18	23 26	23 32	14 52		n.a.
M23	9 36	4s47	5 1	18 53	2 23	24 40	4 25	8 22	0 11	3 31	1 6	9 42	2 42	0 15	0 39	4 21	2 5	31 56	13 18	23 26	23 32	14 54		n.a.
T 24	9 57	10 30	4 36	19 21	2 25	24 41	4 22	8 38	0 10	3 36	1 6	9 43	2 42	0 14	0 39	4 21	2 5	31 56	13 18	23 25	23 31	14 55		n.a.
W25	10 18	15 36	3 52	19 47	2 25	24 41	4 19	8 54	0 10	3 42	1 6	9 44	2 42	0 12	0 39	4 20	2 5	31 56	13 19	23 24	23 31	14 57		n.a.
T 26	10 39	19 39	2 51	20 10	2 25	24 41	4 16	9 11	0 9	3 47	1 6	9 45	2 42	0 11	0 39	4 20	2 5	31 56	13 19	23 24	23 31	14 59		n.a.
F 27	11 0	22 19	1 39	20 31	2 24	24 39	4 12	9 27	0 8	3 53	1 6	9 46	2 42	0 10	0 39	4 19	2 5	31 56	13 19	23 24	23 31	15 1		n.a.
S 28	11 21	23 23	0 23	20 49	2 22	24 37	4 8	9 43	0 8	3 58	1 6	9 46	2 41	0 8	0 39	4 18	2 5	31 57	13 20	23 24	23 31	15 3		n.a.
S 29	11 41	22 53	0n54	21 6	2 19	24 34	4 3	9 59	0 7	4 4	1 6	9 47	2 41	0 7	0 39	4 18	2 5	31 57	13 20	23 24	23 30	15 5		n.a.
M30	12n 2	20s59	2n 4	21n20	2n16	24n30	3n58	10n14	0s 7	4n 9	1s 6	9n48	2n41	0s 6	0s39	4s17	2n 5	31s57	13s21	23s24	23s30	15n 7		n.a.

Julian Day Number = 1476795.5, Delta T = 05h26m10s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'24, Lahiri = -13°12'24 Julian Calendar 1 Apr. 670 BCE == Greg. Calendar 25 March 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

MAY 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 4 48	2♉ 4'44	27♋ 3	25♉33	0°R51	27♈ 8	13♈ 7	11°R32	1♈17	15°R30	5♒50	20°R 3	21♐32	29♈13	n.a.	T 1
W 2	14 8 44	3° 2'01	9♒59	26°35	0♊50	27°50	13°21	11♍30	1°20	15♎29	5°51	20♐ 2	21°29	29°20	n.a.	W 2
T 3	14 12 41	3°59'16	22°35	27°34	0°47	28°31	13°35	11°29	1°23	15°27	5°51	20° 1	21°26	29°27	n.a.	T 3
F 4	14 16 37	4°56'32	4♓56	28°30	0°41	29°12	13°48	11°27	1°26	15°26	5°51	19°57	21°22	29°34	n.a.	F 4
S 5	14 20 34	5°53'47	17° 5	29°21	0°33	29°54	14° 2	11°25	1°29	15°24	5°51	19°51	21°19	29°40	n.a.	S 5
S 6	14 24 30	6°51'01	29° 6	0♊ 9	0°23	0♉35	14°16	11°23	1°32	15°23	5°52	19°44	21°16	29°47	n.a.	S 6
M 7	14 28 27	7°48'14	11♈ 1	0°53	0°10	1°16	14°29	11°22	1°35	15°21	5°52	19°37	21°13	29°54	n.a.	M 7
T 8	14 32 23	8°45'28	22°52	1°33	29♉55	1°57	14°43	11°20	1°38	15°20	5°52	19°29	21°10	0♉ 0	n.a.	T 8
W 9	14 36 20	9°42'40	4♉42	2° 8	29°37	2°39	14°56	11°19	1°41	15°18	5°52	19°22	21° 7	0° 7	n.a.	W 9
T 10	14 40 17	10°39'52	16°32	2°40	29°18	3°20	15°10	11°18	1°44	15°17	5°52	19°17	21° 3	0°14	n.a.	T 10
F 11	14 44 13	11°37'03	28°25	3° 7	28°56	4° 1	15°23	11°16	1°47	15°16	5°52	19°13	21° 0	0°20	n.a.	F 11
S 12	14 48 10	12°34'14	10♊22	3°30	28°31	4°42	15°36	11°15	1°49	15°14	5°52	19°11	20°57	0°27	n.a.	S 12
S 13	14 52 6	13°31'24	22°26	3°48	28° 5	5°23	15°50	11°14	1°52	15°13	5°52	19°D11	20°54	0°34	n.a.	S 13
M14	14 56 3	14°28'34	4♋40	4° 2	27°37	6° 4	16° 3	11°13	1°55	15°11	5°R52	19°11	20°51	0°40	n.a.	M14
T 15	14 59 59	15°25'43	17° 7	4°11	27° 7	6°45	16°16	11°13	1°58	15°10	5°52	19°13	20°47	0°47	n.a.	T 15
W16	15 3 56	16°22'51	29°51	4°16	26°35	7°25	16°29	11°12	2° 0	15° 9	5°52	19°14	20°44	0°54	n.a.	W16
T 17	15 7 53	17°19'58	12♌55	4°R16	26° 2	8° 6	16°42	11°11	2° 3	15° 7	5°52	19°R15	20°41	1° 1	n.a.	T 17
F 18	15 11 49	18°17'05	26°23	4°12	25°28	8°47	16°55	11°11	2° 6	15° 6	5°52	19°15	20°38	1° 7	n.a.	F 18
S 19	15 15 46	19°14'11	10♍16	4° 3	24°53	9°28	17° 8	11°10	2° 8	15° 5	5°52	19°14	20°35	1°14	n.a.	S 19
S 20	15 19 42	20°11'16	24°35	3°50	24°16	10° 8	17°21	11°10	2°11	15° 4	5°52	19°11	20°32	1°21	n.a.	S 20
M21	15 23 39	21° 8'21	9♎16	3°33	23°39	10°49	17°34	11°10	2°13	15° 2	5°52	19° 8	20°28	1°27	n.a.	M21
T 22	15 27 35	22° 5'26	24°15	3°12	23° 2	11°29	17°47	11°10	2°16	15° 1	5°52	19° 4	20°25	1°34	n.a.	T 22
W23	15 31 32	23° 2'30	9♏24	2°47	22°24	12°10	18° 0	11°D10	2°18	15° 0	5°51	19° 1	20°22	1°41	n.a.	W23
T 24	15 35 28	23°59'34	24°33	2°19	21°46	12°50	18°13	11°10	2°21	14°59	5°51	18°58	20°19	1°47	n.a.	T 24
F 25	15 39 25	24°56'38	9♐32	1°49	21° 9	13°31	18°25	11°10	2°23	14°58	5°51	18°57	20°16	1°54	n.a.	F 25
S 26	15 43 22	25°53'42	24°14	1°16	20°33	14°11	18°38	11°10	2°26	14°56	5°51	18°D57	20°13	2° 1	n.a.	S 26
S 27	15 47 18	26°50'46	8♋33	0°42	19°57	14°51	18°50	11°11	2°28	14°55	5°50	18°58	20° 9	2° 7	n.a.	S 27
M28	15 51 15	27°47'50	22°25	0° 6	19°22	15°32	19° 3	11°11	2°30	14°54	5°50	18°59	20° 6	2°14	n.a.	M28
T 29	15 55 11	28°44'55	5♒51	29♉30	18°48	16°12	19°15	11°12	2°32	14°53	5°50	19° 0	20° 3	2°21	n.a.	T 29
W30	15 59 8	29°41'59	18°51	28°53	18°16	16°52	19°28	11°12	2°35	14°52	5°49	19° 1	20° 0	2°28	n.a.	W30
T 31	16 3 4	0♊39'04	1♓30	28♉18	17♉45	17♉32	19♈40	11♍13	2♈37	14♎51	5♒49	19°R 2	19♐57	2♉34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n22	18s 0	3n 6	21n32	2n11	24n24	3n53	10n30	0s 6	4n14	1s 6	9n48	2n41	0s 5	0s39	4s17	2n 5	31s57	13s21	23s24	23s30	15n 9			n.a.
W 2	12 42	14 12	3 57	21 43	2 6	24 18	3 47	10 46	0 5	4 20	1 6	9 49	2 41	0 3	0 39	4 16	2 5	31 58	13 21	23 24	23 30	15 11			n.a.
T 3	13 1	9 52	4 34	21 51	2 0	24 11	3 40	11 1	0 5	4 25	1 6	9 50	2 40	0 2	0 39	4 15	2 5	31 58	13 22	23 24	23 30	15 13			n.a.
F 4	13 21	5 13	4 58	21 57	1 53	24 3	3 33	11 17	0 4	4 31	1 6	9 50	2 40	0 1	0 39	4 15	2 4	31 58	13 22	23 23	23 29	15 15			n.a.
S 5	13 40	0 27	5 8	22 1	1 46	23 54	3 26	11 32	0 4	4 36	1 6	9 51	2 40	0n 0	0 39	4 14	2 4	31 58	13 22	23 23	23 29	15 17			n.a.
S 6	14 0	4n17	5 4	22 3	1 37	23 44	3 18	11 47	0 3	4 41	1 6	9 51	2 40	0 1	0 39	4 14	2 4	31 59	13 23	23 22	23 29	15 19			n.a.
M 7	14 18	8 49	4 48	22 4	1 28	23 33	3 10	12 3	0 2	4 46	1 6	9 51	2 40	0 2	0 39	4 13	2 4	31 59	13 23	23 22	23 29	15 21			n.a.
T 8	14 37	13 0	4 18	22 2	1 18	23 21	3 1	12 18	0 2	4 52	1 6	9 52	2 39	0 4	0 39	4 13	2 4	31 59	13 23	23 21	23 29	15 23			n.a.
W 9	14 56	16 41	3 38	21 59	1 8	23 8	2 51	12 33	0 1	4 57	1 6	9 52	2 39	0 5	0 39	4 12	2 4	32 0	13 24	23 21	23 28	15 24			n.a.
T 10	15 14	19 42	2 48	21 54	0 56	22 54	2 41	12 47	0 1	5 2	1 6	9 52	2 39	0 6	0 39	4 12	2 4	32 0	13 24	23 20	23 28	15 26			n.a.
F 11	15 32	21 53	1 51	21 47	0 44	22 39	2 31	13 2	0n 0	5 7	1 6	9 53	2 39	0 7	0 39	4 11	2 4	32 0	13 24	23 20	23 28	15 28			n.a.
S 12	15 50	23 6	0 48	21 39	0 31	22 23	2 20	13 17	0 1	5 13	1 6	9 53	2 39	0 8	0 39	4 11	2 4	32 1	13 25	23 20	23 28	15 30			n.a.
S 13	16 7	23 16	0s18	21 29	0 17	22 6	2 8	13 31	0 1	5 18	1 6	9 53	2 38	0 9	0 39	4 10	2 4	32 1	13 25	23 20	23 27	15 32			n.a.
M14	16 24	22 18	1 24	21 18	0 3	21 48	1 57	13 45	0 2	5 23	1 6	9 53	2 38	0 10	0 39	4 10	2 4	32 1	13 26	23 20	23 27	15 34			n.a.
T 15	16 41	20 14	2 27	21 5	0s12	21 29	1 44	14 0	0 3	5 28	1 6	9 53	2 38	0 11	0 39	4 9	2 4	32 2	13 26	23 20	23 27	15 36			n.a.
W16	16 58	17 8	3 24	20 51	0 27	21 9	1 32	14 14	0 3	5 33	1 6	9 53	2 38	0 12	0 39	4 9	2 4	32 2	13 26	23 20	23 27	15 38			n.a.
T 17	17 15	13 8	4 13	20 36	0 43	20 49	1 19	14 28	0 4	5 38	1 6	9 53	2 37	0 14	0 39	4 8	2 4	32 2	13 27	23 20	23 27	15 39			n.a.
F 18	17 31	8 22	4 49	20 19	0 59	20 27	1 6	14 42	0 4	5 43	1 6	9 53	2 37	0 15	0 39	4 8	2 4	32 3	13 27	23 20	23 26	15 41			n.a.
S 19	17 47	3 3	5 9	20 2	1 15	20 6	0 52	14 55	0 5	5 48	1 6	9 53	2 37	0 16	0 39	4 7	2 4	32 3	13 27	23 20	23 26	15 43			n.a.
S 20	18 2	2s35	5 12	19 43	1 31	19 43	0 38	15 9	0 6	5 53	1 6	9 53	2 37	0 17	0 39	4 7	2 4	32 3	13 28	23 20	23 26	15 45			n.a.
M21	18 18	8 13	4 54	19 24	1 48	19 21	0 25	15 22	0 6	5 58	1 6	9 53	2 36	0 18	0 39	4 6	2 4	32 4	13 28	23 19	23 26	15 47			n.a.
T 22	18 33	13 30	4 16	19 4	2 4	18 58	0 11	15 36	0 7	6 3	1 7	9 53	2 36	0 19	0 40	4 6	2 4	32 4	13 28	23 19	23 25	15 49			n.a.
W23	18 48	17 59	3 20	18 43	2 20	18 34	0s 3	15 49	0 7	6 8	1 7	9 53	2 36	0 20	0 40	4 5	2 4	32 5	13 29	23 19	23 25	15 51			n.a.
T 24	19 2	21 16	2 10	18 22	2 36	18 11	0 17	16 2	0 8	6 13	1 7	9 52	2 36	0 21	0 40	4 5	2 4	32 5	13 29	23 19	23 25	15 52			n.a.
F 25	19 16	23 2	0 52	18 1	2 51	17 48	0 31	16 15	0 9	6 18	1 7	9 52	2 36	0 21	0 40	4 5	2 4	32 5	13 29	23 18	23 25	15 54			n.a.
S 26	19 30	23 10	0n29	17 41	3 6	17 25	0 45	16 28	0 9	6 22	1 7	9 52	2 35	0 22	0 40	4 4	2 4	32 6	13 30	23 18	23 24	15 56			n.a.
S 27	19 44	21 44	1 46	17 20	3 19	17 2	0 59	16 41	0 10	6 27	1 7	9 51	2 35	0 23	0 40	4 4	2 4	32 6	13 30	23 19	23 24	15 58			n.a.
M28	19 57	19 1	2 54	17 0	3 32	16 40	1 12	16 53	0 10	6 32	1 7	9 51	2 35	0 24	0 40	4 3	2 4	32 7	13 30	23 19	23 24	16 0			n.a.
T 29	20 10	15 21	3 51	16 42	3 43	16 18	1 25	17 5	0 11	6 37	1 7	9 51	2 35	0 25	0 40	4 3	2 4	32 7	13 31	23 19	23 24	16 1			n.a.
W30	20 22	11 3	4 33	16 24	3 53	15 56	1 38	17 18	0 12	6 41	1 7	9 50	2 34	0 26	0 40	4 3	2 3	32 7	13 31	23 19	23 24	16 3			n.a.
T 31	20n34	6s24	5n 1	16n 7	4s 2	15n36	1s51	17n30	0n12	6n46	1s 7	9n50	2n34	0n27	0s40	4s 2	2n 3	32s 8	13s32	23s19	23s23	16n 5			n.a.

Julian Day Number = 1476825.5, Delta T = 05h26m09s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'20, Lahiri = -13°12'20 Julian Calendar 1 May 670 BCE == Greg. Calendar 24 Apr. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

JUNE 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 7 1	1♊36'10	13♓51	27°R43	17°R16	18♉12	19♈52	11♍14	2♈39	14°R50	5°R49	19°R 1	19♐53	2♉41	n.a.	F 1
S 2	16 10 57	2°33'16	25°59	27♉11	16♉49	18°52	20° 4	11°15	2°41	14♎49	5♒48	19♐ 0	19°50	2°48	n.a.	S 2
S 3	16 14 54	3°30'22	7♈56	26°41	16°25	19°33	20°16	11°16	2°43	14°48	5°48	18°58	19°47	2°54	n.a.	S 3
M 4	16 18 51	4°27'28	19°48	26°14	16° 2	20°13	20°28	11°17	2°45	14°47	5°47	18°56	19°44	3° 1	n.a.	M 4
T 5	16 22 47	5°24'36	1♉38	25°50	15°41	20°53	20°40	11°18	2°47	14°46	5°47	18°54	19°41	3° 8	n.a.	T 5
W 6	16 26 44	6°21'43	13°28	25°31	15°23	21°32	20°52	11°20	2°49	14°45	5°46	18°52	19°38	3°14	n.a.	W 6
T 7	16 30 40	7°18'51	25°22	25°15	15° 7	22°12	21° 4	11°21	2°51	14°45	5°46	18°51	19°34	3°21	n.a.	T 7
F 8	16 34 37	8°16'00	7♊22	25° 4	14°53	22°52	21°16	11°23	2°53	14°44	5°45	18°50	19°31	3°28	n.a.	F 8
S 9	16 38 33	9°13'09	19°29	24°58	14°42	23°32	21°27	11°24	2°55	14°43	5°45	18°D50	19°28	3°34	n.a.	S 9
S 10	16 42 30	10°10'18	1♋45	24°D57	14°33	24°12	21°39	11°26	2°56	14°42	5°44	18°50	19°25	3°41	n.a.	S 10
M11	16 46 27	11° 7'28	14°13	25° 2	14°26	24°51	21°50	11°28	2°58	14°42	5°43	18°50	19°22	3°48	n.a.	M11
T 12	16 50 23	12° 4'37	26°54	25°12	14°22	25°31	22° 2	11°30	3° 0	14°41	5°43	18°51	19°19	3°54	n.a.	T 12
W13	16 54 20	13° 1'48	9♌49	25°27	14°D20	26°11	22°13	11°32	3° 2	14°40	5°42	18°52	19°15	4° 1	n.a.	W13
T 14	16 58 16	13°58'58	23° 1	25°47	14°21	26°50	22°24	11°34	3° 3	14°40	5°42	18°52	19°12	4° 8	n.a.	T 14
F 15	17 2 13	14°56'09	6♍31	26°14	14°23	27°30	22°35	11°36	3° 5	14°39	5°41	18°52	19° 9	4°15	n.a.	F 15
S 16	17 6 9	15°53'20	20°19	26°45	14°28	28°10	22°46	11°38	3° 6	14°38	5°40	18°R52	19° 6	4°21	n.a.	S 16
S 17	17 10 6	16°50'32	4♎27	27°23	14°35	28°49	22°57	11°41	3° 8	14°38	5°39	18°52	19° 3	4°28	n.a.	S 17
M18	17 14 2	17°47'43	18°52	28° 5	14°45	29°28	23° 8	11°43	3° 9	14°37	5°39	18°52	18°59	4°35	n.a.	M18
T 19	17 17 59	18°44'56	3♏30	28°54	14°56	0♊ 8	23°19	11°46	3°11	14°37	5°38	18°D52	18°56	4°41	n.a.	T 19
W20	17 21 56	19°42'09	18°18	29°47	15° 9	0°47	23°29	11°48	3°12	14°36	5°37	18°52	18°53	4°48	n.a.	W20
T 21	17 25 52	20°39'22	3♐ 8	0♊46	15°25	1°27	23°40	11°51	3°13	14°36	5°36	18°52	18°50	4°55	n.a.	T 21
F 22	17 29 49	21°36'37	17°53	1°50	15°42	2° 6	23°50	11°54	3°14	14°35	5°35	18°R52	18°47	5° 1	n.a.	F 22
S 23	17 33 45	22°33'52	2♑26	3° 0	16° 1	2°45	24° 0	11°57	3°16	14°35	5°35	18°52	18°44	5° 8	n.a.	S 23
S 24	17 37 42	23°31'08	16°41	4°14	16°22	3°24	24°11	12° 0	3°17	14°35	5°34	18°52	18°40	5°15	n.a.	S 24
M25	17 41 38	24°28'25	0♒34	5°33	16°45	4° 3	24°21	12° 3	3°18	14°34	5°33	18°52	18°37	5°21	n.a.	M25
T 26	17 45 35	25°25'43	14° 3	6°57	17° 9	4°43	24°31	12° 6	3°19	14°34	5°32	18°51	18°34	5°28	n.a.	T 26
W27	17 49 31	26°23'02	27° 8	8°26	17°36	5°22	24°41	12° 9	3°20	14°34	5°31	18°50	18°31	5°35	n.a.	W27
T 28	17 53 28	27°20'23	9♓51	9°59	18° 3	6° 1	24°50	12°13	3°21	14°34	5°30	18°49	18°28	5°41	n.a.	T 28
F 29	17 57 25	28°17'45	22°14	11°36	18°32	6°40	25° 0	12°16	3°22	14°33	5°29	18°49	18°25	5°48	n.a.	F 29
S 30	18 1 21	29♊15'08	4♈23	13♊18	19♉ 3	7♊19	25♈10	12♍20	3♈23	14♎33	5♒28	18°D49	18♐21	5♉55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n46	1s36	5n14	15n52	4s10	15n16	2s 3	17n42	0n13	6n51	1s 7	9n49	2n34	0n28	0s40	4s 2	2n 3	32s 8	13s32	23s19	23s23	16n 7		n.a.
S 2	20 58	3n10	5 13	15 39	4 16	14 57	2 14	17 54	0 13	6 55	1 7	9 49	2 34	0 29	0 40	4 2	2 3	32 9	13 32	23 19	23 23	16 9		n.a.
S 3	21 9	7 45	4 59	15 28	4 20	14 39	2 25	18 5	0 14	7 0	1 7	9 48	2 33	0 29	0 40	4 1	2 3	32 9	13 33	23 19	23 23	16 10		n.a.
M 4	21 20	12 1	4 31	15 19	4 24	14 22	2 36	18 17	0 15	7 4	1 7	9 47	2 33	0 30	0 40	4 1	2 3	32 10	13 33	23 18	23 22	16 12		n.a.
T 5	21 30	15 50	3 52	15 12	4 25	14 7	2 47	18 28	0 15	7 9	1 7	9 47	2 33	0 31	0 40	4 1	2 3	32 10	13 33	23 18	23 22	16 14		n.a.
W 6	21 40	19 1	3 3	15 7	4 25	13 52	2 56	18 39	0 16	7 13	1 7	9 46	2 33	0 32	0 40	4 0	2 3	32 11	13 33	23 18	23 22	16 16		n.a.
T 7	21 50	21 25	2 6	15 5	4 24	13 38	3 6	18 50	0 16	7 17	1 7	9 45	2 32	0 32	0 40	4 0	2 3	32 11	13 34	23 18	23 22	16 18		n.a.
F 8	22 0	22 53	1 3	15 5	4 21	13 26	3 15	19 1	0 17	7 22	1 8	9 44	2 32	0 33	0 40	4 0	2 3	32 11	13 34	23 18	23 21	16 19		n.a.
S 9	22 9	23 17	0s 4	15 7	4 17	13 15	3 23	19 12	0 18	7 26	1 8	9 43	2 32	0 34	0 40	4 0	2 3	32 12	13 34	23 18	23 21	16 21		n.a.
S 10	22 17	22 35	1 11	15 12	4 12	13 4	3 31	19 23	0 18	7 30	1 8	9 42	2 32	0 35	0 40	3 59	2 3	32 12	13 35	23 18	23 21	16 23		n.a.
M11	22 25	20 45	2 16	15 19	4 5	12 56	3 38	19 33	0 19	7 35	1 8	9 42	2 32	0 35	0 40	3 59	2 3	32 13	13 35	23 18	23 21	16 25		n.a.
T 12	22 33	17 52	3 16	15 29	3 58	12 48	3 45	19 43	0 19	7 39	1 8	9 41	2 31	0 36	0 40	3 59	2 3	32 13	13 35	23 18	23 20	16 26		n.a.
W13	22 41	14 5	4 7	15 41	3 49	12 41	3 51	19 54	0 20	7 43	1 8	9 40	2 31	0 37	0 40	3 59	2 3	32 14	13 36	23 18	23 20	16 28		n.a.
T 14	22 48	9 32	4 46	15 55	3 40	12 36	3 57	20 3	0 21	7 47	1 8	9 39	2 31	0 37	0 40	3 58	2 3	32 14	13 36	23 18	23 20	16 30		n.a.
F 15	22 55	4 27	5 10	16 11	3 30	12 31	4 3	20 13	0 21	7 51	1 8	9 38	2 31	0 38	0 40	3 58	2 3	32 15	13 36	23 18	23 19	16 32		n.a.
S 16	23 1	0s58	5 17	16 29	3 19	12 28	4 8	20 23	0 22	7 55	1 8	9 36	2 30	0 38	0 40	3 58	2 3	32 15	13 37	23 18	23 19	16 33		n.a.
S 17	23 7	6 27	5 6	16 49	3 7	12 26	4 12	20 32	0 22	7 59	1 8	9 35	2 30	0 39	0 40	3 58	2 2	32 16	13 37	23 18	23 19	16 35		n.a.
M18	23 12	11 43	4 35	17 10	2 55	12 24	4 16	20 42	0 23	8 3	1 8	9 34	2 30	0 39	0 40	3 58	2 2	32 16	13 37	23 18	23 19	16 37		n.a.
T 19	23 17	16 24	3 46	17 33	2 42	12 24	4 20	20 51	0 24	8 7	1 9	9 33	2 30	0 40	0 40	3 58	2 2	32 17	13 37	23 18	23 18	16 38		n.a.
W20	23 22	20 6	2 42	17 57	2 29	12 25	4 23	21 0	0 24	8 11	1 9	9 32	2 29	0 41	0 40	3 58	2 2	32 17	13 38	23 18	23 18	16 40		n.a.
T 21	23 26	22 29	1 26	18 23	2 16	12 26	4 26	21 9	0 25	8 15	1 9	9 30	2 29	0 41	0 40	3 57	2 2	32 18	13 38	23 18	23 18	16 42		n.a.
F 22	23 30	23 18	0 6	18 49	2 2	12 29	4 29	21 17	0 25	8 19	1 9	9 29	2 29	0 41	0 40	3 57	2 2	32 18	13 38	23 18	23 18	16 44		n.a.
S 23	23 34	22 31	1n15	19 16	1 49	12 32	4 31	21 26	0 26	8 22	1 9	9 28	2 29	0 42	0 40	3 57	2 2	32 19	13 39	23 18	23 17	16 45		n.a.
S 24	23 37	20 16	2 28	19 44	1 35	12 36	4 33	21 34	0 27	8 26	1 9	9 26	2 29	0 42	0 40	3 57	2 2	32 19	13 39	23 18	23 17	16 47		n.a.
M25	23 39	16 52	3 31	20 12	1 21	12 41	4 35	21 42	0 27	8 30	1 9	9 25	2 28	0 43	0 40	3 57	2 2	32 20	13 39	23 18	23 17	16 49		n.a.
T 26	23 42	12 41	4 21	20 41	1 7	12 47	4 36	21 50	0 28	8 33	1 9	9 24	2 28	0 43	0 40	3 57	2 2	32 20	13 39	23 18	23 17	16 50		n.a.
W27	23 43	8 1	4 55	21 9	0 53	12 53	4 37	21 58	0 28	8 37	1 9	9 22	2 28	0 44	0 40	3 57	2 2	32 20	13 40	23 18	23 16	16 52		n.a.
T 28	23 45	3 9	5 13	21 36	0 40	13 0	4 38	22 5	0 29	8 41	1 9	9 21	2 28	0 44	0 40	3 57	2 2	32 21	13 40	23 18	23 16	16 54		n.a.
F 29	23 46	1n43	5 16	22 3	0 26	13 8	4 38	22 13	0 29	8 44	1 10	9 19	2 28	0 44	0 40	3 57	2 2	32 21	13 40	23 18	23 16	16 55		n.a.
S 30	23n46	6n25	5n 5	22n30	0s13	13n16	4s39	22n20	0n30	8n47	1s10	9n18	2n27	0n45	0s41	3s57	2n 2	32s22	13s40	23s18	23s15	16n57		n.a.

Julian Day Number = 1476856.5, Delta T = 05h26m07s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'16, Lahiri = -13°12'15 Julian Calendar 1 June 670 BCE == Greg. Calendar 25 May 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

JULY 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 5 18	0♋12'32	16♈20	15♊ 2	19♉35	7♊58	25♈19	12♍23	3♈24	14°R33	5°R27	18♐49	18♐18	6♉ 1	n.a.	S 1
M 2	18 9 14	1° 9'58	28°12	16°51	20° 8	8°37	25°28	12°27	3°24	14♎33	5♒26	18°50	18°15	6° 8	n.a.	M 2
T 3	18 13 11	2° 7'25	10♉ 2	18°42	20°43	9°16	25°38	12°31	3°25	14°33	5°25	18°51	18°12	6°15	n.a.	T 3
W 4	18 17 7	3° 4'54	21°54	20°36	21°19	9°54	25°47	12°34	3°26	14°D33	5°24	18°53	18° 9	6°22	n.a.	W 4
T 5	18 21 4	4° 2'24	3♊53	22°32	21°56	10°33	25°56	12°38	3°26	14°33	5°23	18°54	18° 5	6°28	n.a.	T 5
F 6	18 25 0	4°59'56	16° 1	24°30	22°35	11°12	26° 5	12°42	3°27	14°33	5°22	18°R54	18° 2	6°35	n.a.	F 6
S 7	18 28 57	5°57'29	28°21	26°30	23°14	11°51	26°13	12°46	3°28	14°33	5°21	18°54	17°59	6°42	n.a.	S 7
S 8	18 32 54	6°55'03	10♋54	28°31	23°55	12°30	26°22	12°50	3°28	14°33	5°20	18°53	17°56	6°48	n.a.	S 8
M 9	18 36 50	7°52'38	23°41	0♌33	24°36	13° 8	26°30	12°55	3°28	14°33	5°19	18°51	17°53	6°55	n.a.	M 9
T 10	18 40 47	8°50'15	6♌42	2°36	25°19	13°47	26°39	12°59	3°29	14°33	5°18	18°48	17°50	7° 2	n.a.	T 10
W11	18 44 43	9°47'53	19°58	4°38	26° 2	14°25	26°47	13° 3	3°29	14°34	5°17	18°45	17°46	7° 8	n.a.	W11
T 12	18 48 40	10°45'32	3♍27	6°41	26°47	15° 4	26°55	13° 8	3°29	14°34	5°16	18°42	17°43	7°15	n.a.	T 12
F 13	18 52 36	11°43'13	17° 9	8°44	27°32	15°43	27° 3	13°12	3°30	14°34	5°14	18°40	17°40	7°22	n.a.	F 13
S 14	18 56 33	12°40'54	1♎ 2	10°46	28°18	16°21	27°11	13°17	3°30	14°34	5°13	18°38	17°37	7°28	n.a.	S 14
S 15	19 0 29	13°38'37	15° 5	12°47	29° 5	17° 0	27°18	13°22	3°30	14°35	5°12	18°D38	17°34	7°35	n.a.	S 15
M16	19 4 26	14°36'21	29°17	14°48	29°53	17°38	27°26	13°26	3°30	14°35	5°11	18°39	17°30	7°42	n.a.	M16
T 17	19 8 23	15°34'06	13♏37	16°47	0♊42	18°16	27°33	13°31	3°R30	14°36	5°10	18°40	17°27	7°48	n.a.	T 17
W18	19 12 19	16°31'52	28° 0	18°46	1°31	18°55	27°40	13°36	3°30	14°36	5° 9	18°41	17°24	7°55	n.a.	W18
T 19	19 16 16	17°29'40	12♐24	20°43	2°21	19°33	27°47	13°41	3°30	14°36	5° 7	18°R42	17°21	8° 2	n.a.	T 19
F 20	19 20 12	18°27'30	26°45	22°40	3°12	20°11	27°54	13°46	3°30	14°37	5° 6	18°42	17°18	8° 8	n.a.	F 20
S 21	19 24 9	19°25'20	10♑57	24°35	4° 3	20°50	28° 1	13°51	3°30	14°37	5° 5	18°41	17°15	8°15	n.a.	S 21
S 22	19 28 5	20°23'13	24°57	26°29	4°55	21°28	28° 8	13°56	3°30	14°38	5° 4	18°38	17°11	8°22	n.a.	S 22
M23	19 32 2	21°21'07	8♒41	28°21	5°48	22° 6	28°14	14° 1	3°29	14°39	5° 3	18°33	17° 8	8°28	n.a.	M23
T 24	19 35 59	22°19'03	22° 4	0♌13	6°41	22°44	28°21	14° 6	3°29	14°39	5° 1	18°28	17° 5	8°35	n.a.	T 24
W25	19 39 55	23°17'00	5♓ 8	2° 3	7°35	23°22	28°27	14°12	3°29	14°40	5° 0	18°22	17° 2	8°42	n.a.	W25
T 26	19 43 52	24°15'00	17°50	3°51	8°30	24° 0	28°33	14°17	3°28	14°41	4°59	18°17	16°59	8°48	n.a.	T 26
F 27	19 47 48	25°13'02	0♈15	5°39	9°25	24°38	28°38	14°22	3°28	14°41	4°58	18°13	16°56	8°55	n.a.	F 27
S 28	19 51 45	26°11'05	12°24	7°25	10°21	25°16	28°44	14°28	3°27	14°42	4°56	18°10	16°52	9° 2	n.a.	S 28
S 29	19 55 41	27° 9'11	24°21	9°10	11°17	25°54	28°50	14°33	3°27	14°43	4°55	18°D 9	16°49	9° 8	n.a.	S 29
M30	19 59 38	28° 7'19	6♉13	10°53	12°13	26°32	28°55	14°39	3°26	14°44	4°54	18°10	16°46	9°15	n.a.	M30
T 31	20 3 34	29♋ 5'28	18♉ 3	12♌36	13♊10	27♊10	29♈ 0	14♍45	3♈26	14♎44	4♒53	18♐11	16♐43	9♉22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n47	10n50	4n41	22n54	0s 1	13n24	4s39	22n27	0n31	8n51	1s10	9n16	2n27	0n45	0s41	3s57	2n 2	32s22	13s41	23s18	23s15	16n59		n.a.
M 2	23 46	14 47	4 5	23 18	0n11	13 34	4 38	22 34	0 31	8 54	1 10	9 14	2 27	0 45	0 41	3 57	2 2	32 23	13 41	23 18	23 15	17 0		n.a.
T 3	23 45	18 10	3 19	23 40	0 23	13 43	4 38	22 40	0 32	8 57	1 10	9 13	2 27	0 45	0 41	3 57	2 1	32 23	13 41	23 18	23 15	17 2		n.a.
W 4	23 44	20 49	2 24	24 0	0 34	13 53	4 37	22 47	0 32	9 1	1 10	9 11	2 26	0 46	0 41	3 57	2 1	32 24	13 41	23 18	23 14	17 4		n.a.
T 5	23 43	22 34	1 22	24 17	0 44	14 4	4 36	22 53	0 33	9 4	1 10	9 9	2 26	0 46	0 41	3 57	2 1	32 24	13 41	23 18	23 14	17 5		n.a.
F 6	23 41	23 18	0 16	24 33	0 53	14 15	4 35	22 59	0 34	9 7	1 10	9 8	2 26	0 46	0 41	3 57	2 1	32 25	13 42	23 18	23 14	17 7		n.a.
S 7	23 38	22 54	0s52	24 46	1 2	14 26	4 34	23 5	0 34	9 10	1 11	9 6	2 26	0 46	0 41	3 57	2 1	32 25	13 42	23 18	23 13	17 9		n.a.
S 8	23 35	21 21	1 59	24 56	1 10	14 37	4 32	23 11	0 35	9 13	1 11	9 4	2 26	0 47	0 41	3 57	2 1	32 26	13 42	23 18	23 13	17 10		n.a.
M 9	23 32	18 42	3 0	25 4	1 17	14 49	4 30	23 17	0 35	9 16	1 11	9 2	2 25	0 47	0 41	3 58	2 1	32 26	13 42	23 18	23 13	17 12		n.a.
T 10	23 29	15 5	3 54	25 9	1 24	15 1	4 28	23 22	0 36	9 19	1 11	9 0	2 25	0 47	0 41	3 58	2 1	32 27	13 42	23 18	23 13	17 13		n.a.
W11	23 24	10 40	4 36	25 11	1 29	15 13	4 26	23 27	0 37	9 22	1 11	8 58	2 25	0 47	0 41	3 58	2 1	32 27	13 43	23 17	23 12	17 15		n.a.
T 12	23 20	5 40	5 3	25 10	1 34	15 26	4 24	23 32	0 37	9 25	1 11	8 57	2 25	0 47	0 41	3 58	2 1	32 28	13 43	23 17	23 12	17 17		n.a.
F 13	23 15	0 20	5 14	25 7	1 38	15 38	4 22	23 37	0 38	9 27	1 11	8 55	2 25	0 47	0 41	3 58	2 1	32 28	13 43	23 17	23 12	17 18		n.a.
S 14	23 10	5s 6	5 7	25 1	1 41	15 51	4 19	23 42	0 38	9 30	1 11	8 53	2 25	0 47	0 41	3 58	2 1	32 29	13 43	23 17	23 11	17 20		n.a.
S 15	23 4	10 20	4 42	24 53	1 44	16 4	4 17	23 46	0 39	9 33	1 12	8 51	2 24	0 47	0 41	3 58	2 1	32 29	13 43	23 17	23 11	17 21		n.a.
M16	22 58	15 5	3 59	24 42	1 46	16 17	4 14	23 51	0 39	9 35	1 12	8 49	2 24	0 47	0 41	3 59	2 1	32 30	13 43	23 17	23 11	17 23		n.a.
T 17	22 51	19 1	3 1	24 28	1 47	16 30	4 11	23 55	0 40	9 38	1 12	8 47	2 24	0 47	0 41	3 59	2 0	32 30	13 44	23 17	23 10	17 25		n.a.
W18	22 44	21 48	1 51	24 13	1 48	16 43	4 8	23 59	0 41	9 40	1 12	8 45	2 24	0 47	0 41	3 59	2 0	32 30	13 44	23 17	23 10	17 26		n.a.
T 19	22 37	23 10	0 35	23 55	1 48	16 56	4 5	24 3	0 41	9 43	1 12	8 43	2 24	0 47	0 41	3 59	2 0	32 31	13 44	23 17	23 10	17 28		n.a.
F 20	22 29	23 0	0n44	23 36	1 47	17 9	4 1	24 6	0 42	9 45	1 12	8 40	2 23	0 47	0 41	4 0	2 0	32 31	13 44	23 17	23 10	17 29		n.a.
S 21	22 21	21 21	1 59	23 14	1 46	17 21	3 58	24 9	0 42	9 48	1 12	8 38	2 23	0 47	0 41	4 0	2 0	32 32	13 44	23 17	23 9	17 31		n.a.
S 22	22 12	18 24	3 5	22 51	1 44	17 34	3 55	24 13	0 43	9 50	1 13	8 36	2 23	0 47	0 41	4 0	2 0	32 32	13 44	23 17	23 9	17 32		n.a.
M23	22 3	14 30	4 0	22 26	1 41	17 47	3 51	24 16	0 44	9 52	1 13	8 34	2 23	0 47	0 41	4 0	2 0	32 33	13 44	23 16	23 9	17 34		n.a.
T 24	21 54	9 57	4 39	22 0	1 39	18 0	3 47	24 18	0 44	9 54	1 13	8 32	2 23	0 46	0 41	4 1	2 0	32 33	13 44	23 16	23 8	17 36		n.a.
W25	21 44	5 4	5 3	21 32	1 35	18 12	3 44	24 21	0 45	9 56	1 13	8 30	2 23	0 46	0 41	4 1	2 0	32 34	13 45	23 16	23 8	17 37		n.a.
T 26	21 34	0 6	5 11	21 3	1 32	18 25	3 40	24 24	0 45	9 58	1 13	8 27	2 23	0 46	0 41	4 1	2 0	32 34	13 45	23 15	23 8	17 39		n.a.
F 27	21 23	4n45	5 5	20 32	1 28	18 37	3 36	24 26	0 46	10 0	1 13	8 25	2 22	0 46	0 41	4 2	2 0	32 34	13 45	23 15	23 7	17 40		n.a.
S 28	21 13	9 19	4 44	20 1	1 23	18 49	3 32	24 28	0 46	10 2	1 13	8 23	2 22	0 46	0 41	4 2	2 0	32 35	13 45	23 14	23 7	17 42		n.a.
S 29	21 1	13 27	4 12	19 29	1 19	19 1	3 28	24 30	0 47	10 4	1 14	8 20	2 22	0 45	0 41	4 2	2 0	32 35	13 45	23 14	23 7	17 43		n.a.
M30	20 50	17 3	3 28	18 55	1 13	19 13	3 24	24 31	0 48	10 6	1 14	8 18	2 22	0 45	0 41	4 3	2 0	32 36	13 45	23 14	23 6	17 45		n.a.
T 31	20n38	19n57	2n37	18n21	1n 8	19n24	3s19	24n33	0n48	10n 7	1s14	8n16	2n22	0n45	0s41	4s 3	2n 0	32s36	13s45	23s14	23s 6	17n46		n.a.

Julian Day Number = 1476886.5, Delta T = 05h26m06s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'12, Lahiri = -13°12'11 Julian Calendar 1 July 670 BCE == Greg. Calendar 24 June 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

AUGUST 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 7 31	0♌ 3'40	29♉57	14♌17	14♊ 8	27♊48	29♈ 5	14♍50	3°R25	14♎45	4°R51	18♐12	16♐40	9♉28	n.a.	W 1
T 2	20 11 27	1° 1'55	11♊59	15°57	15° 6	28°26	29°10	14°56	3♈24	14°46	4♒50	18°R14	16°36	9°35	n.a.	T 2
F 3	20 15 24	2° 0'11	24°14	17°36	16° 5	29° 4	29°15	15° 2	3°23	14°47	4°49	18°14	16°33	9°42	n.a.	F 3
S 4	20 19 21	2°58'29	6♋45	19°13	17° 3	29°41	29°19	15° 8	3°22	14°48	4°48	18°12	16°30	9°49	n.a.	S 4
S 5	20 23 17	3°56'50	19°34	20°50	18° 3	0♋19	29°23	15°14	3°22	14°49	4°46	18° 8	16°27	9°55	n.a.	S 5
M 6	20 27 14	4°55'12	2♌42	22°25	19° 3	0°57	29°28	15°20	3°21	14°50	4°45	18° 2	16°24	10° 2	n.a.	M 6
T 7	20 31 10	5°53'37	16° 8	23°59	20° 3	1°35	29°32	15°26	3°20	14°51	4°44	17°55	16°21	10° 9	n.a.	T 7
W 8	20 35 7	6°52'03	29°50	25°32	21° 3	2°12	29°35	15°32	3°19	14°52	4°43	17°47	16°17	10°15	n.a.	W 8
T 9	20 39 3	7°50'31	13♍44	27° 4	22° 4	2°50	29°39	15°38	3°18	14°53	4°41	17°39	16°14	10°22	n.a.	T 9
F 10	20 43 0	8°49'01	27°47	28°34	23° 5	3°27	29°42	15°44	3°16	14°54	4°40	17°32	16°11	10°29	n.a.	F 10
S 11	20 46 56	9°47'33	11♎55	0♍ 4	24° 7	4° 5	29°45	15°50	3°15	14°56	4°39	17°27	16° 8	10°35	n.a.	S 11
S 12	20 50 53	10°46'06	26° 5	1°32	25° 9	4°42	29°49	15°57	3°14	14°57	4°38	17°24	16° 5	10°42	n.a.	S 12
M13	20 54 50	11°44'41	10♏15	2°59	26°11	5°20	29°51	16° 3	3°13	14°58	4°36	17°D23	16° 2	10°49	n.a.	M13
T 14	20 58 46	12°43'19	24°23	4°25	27°14	5°57	29°54	16° 9	3°12	14°59	4°35	17°23	15°58	10°55	n.a.	T 14
W15	21 2 43	13°41'57	8♐28	5°50	28°17	6°35	29°56	16°16	3°10	15° 1	4°34	17°24	15°55	11° 2	n.a.	W15
T 16	21 6 39	14°40'38	22°28	7°14	29°20	7°12	29°59	16°22	3° 9	15° 2	4°33	17°R24	15°52	11° 9	n.a.	T 16
F 17	21 10 36	15°39'21	6♑22	8°36	0♋23	7°49	0♉ 1	16°29	3° 7	15° 3	4°31	17°23	15°49	11°15	n.a.	F 17
S 18	21 14 32	16°38'05	20° 9	9°57	1°27	8°27	0° 3	16°35	3° 6	15° 5	4°30	17°19	15°46	11°22	n.a.	S 18
S 19	21 18 29	17°36'52	3♒46	11°17	2°31	9° 4	0° 4	16°42	3° 5	15° 6	4°29	17°12	15°42	11°29	n.a.	S 19
M20	21 22 25	18°35'40	17°10	12°35	3°35	9°41	0° 6	16°48	3° 3	15° 7	4°28	17° 3	15°39	11°35	n.a.	M20
T 21	21 26 22	19°34'30	0♓20	13°52	4°40	10°18	0° 7	16°55	3° 1	15° 9	4°27	16°53	15°36	11°42	n.a.	T 21
W22	21 30 19	20°33'23	13°13	15° 8	5°45	10°55	0° 8	17° 1	3° 0	15°10	4°25	16°41	15°33	11°49	n.a.	W22
T 23	21 34 15	21°32'18	25°50	16°21	6°50	11°33	0° 9	17° 8	2°58	15°12	4°24	16°30	15°30	11°55	n.a.	T 23
F 24	21 38 12	22°31'15	8♈11	17°34	7°56	12°10	0°10	17°15	2°56	15°13	4°23	16°21	15°27	12° 2	n.a.	F 24
S 25	21 42 8	23°30'14	20°18	18°44	9° 1	12°47	0°10	17°21	2°55	15°15	4°22	16°14	15°23	12° 9	n.a.	S 25
S 26	21 46 5	24°29'16	2♉14	19°53	10° 7	13°24	0°11	17°28	2°53	15°16	4°21	16° 9	15°20	12°15	n.a.	S 26
M27	21 50 1	25°28'21	14° 4	20°59	11°13	14° 1	0°R11	17°35	2°51	15°18	4°19	16° 6	15°17	12°22	n.a.	M27
T 28	21 53 58	26°27'27	25°53	22° 4	12°20	14°37	0°11	17°42	2°49	15°19	4°18	16°D 6	15°14	12°29	n.a.	T 28
W29	21 57 54	27°26'37	7♊46	23° 6	13°26	15°14	0°10	17°49	2°48	15°21	4°17	16° 6	15°11	12°35	n.a.	W29
T 30	22 1 51	28°25'48	19°49	24° 5	14°33	15°51	0°10	17°55	2°46	15°23	4°16	16°R 6	15° 8	12°42	n.a.	T 30
F 31	22 5 47	29♌25'03	2♋ 6	25♍ 2	15♋40	16♋28	0♉ 9	18♍ 2	2♈44	15♎24	4♒15	16♐ 5	15♐ 4	12♉49	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n25	22n 1	1n38	17n46	1n 2	19n35	3s15	24n34	0n49	10n 9	1s14	8n13	2n22	0n45	0s41	4s 4	1n59	32s36	13s45	23s15	23s 6	17n48		n.a.
T 2	20 13	23 6	0 34	17 11	0 56	19 46	3 11	24 35	0 49	10 11	1 14	8 11	2 22	0 44	0 41	4 4	1 59	32 37	13 45	23 15	23 5	17 49		n.a.
F 3	19 59	23 6	0s33	16 34	0 50	19 57	3 7	24 36	0 50	10 12	1 14	8 9	2 21	0 44	0 42	4 4	1 59	32 37	13 45	23 15	23 5	17 51		n.a.
S 4	19 46	21 58	1 39	15 58	0 44	20 7	3 2	24 37	0 51	10 14	1 15	8 6	2 21	0 44	0 42	4 5	1 59	32 38	13 45	23 15	23 5	17 52		n.a.
S 5	19 32	19 40	2 41	15 20	0 37	20 17	2 58	24 38	0 51	10 15	1 15	8 4	2 21	0 43	0 42	4 5	1 59	32 38	13 45	23 14	23 4	17 54		n.a.
M 6	19 18	16 19	3 37	14 43	0 30	20 26	2 53	24 38	0 52	10 16	1 15	8 1	2 21	0 43	0 42	4 6	1 59	32 38	13 45	23 14	23 4	17 55		n.a.
T 7	19 4	12 4	4 21	14 5	0 23	20 36	2 49	24 38	0 52	10 18	1 15	7 59	2 21	0 42	0 42	4 6	1 59	32 39	13 45	23 13	23 4	17 57		n.a.
W 8	18 49	7 8	4 52	13 27	0 16	20 44	2 44	24 38	0 53	10 19	1 15	7 56	2 21	0 42	0 42	4 7	1 59	32 39	13 45	23 12	23 3	17 58		n.a.
T 9	18 34	1 47	5 6	12 48	0 9	20 53	2 40	24 38	0 53	10 20	1 15	7 54	2 21	0 41	0 42	4 7	1 59	32 39	13 45	23 12	23 3	18 0		n.a.
F 10	18 18	3s43	5 2	12 9	0 1	21 1	2 35	24 38	0 54	10 21	1 15	7 51	2 21	0 41	0 42	4 8	1 59	32 40	13 46	23 11	23 3	18 1		n.a.
S 11	18 3	9 3	4 39	11 31	0s 6	21 8	2 30	24 37	0 55	10 22	1 16	7 49	2 20	0 41	0 42	4 8	1 59	32 40	13 46	23 10	23 2	18 3		n.a.
S 12	17 47	13 56	4 0	10 52	0 14	21 16	2 26	24 37	0 55	10 23	1 16	7 46	2 20	0 40	0 42	4 9	1 59	32 40	13 46	23 10	23 2	18 4		n.a.
M13	17 30	18 2	3 6	10 13	0 22	21 22	2 21	24 36	0 56	10 24	1 16	7 44	2 20	0 39	0 42	4 9	1 59	32 41	13 46	23 10	23 2	18 6		n.a.
T 14	17 14	21 4	2 0	9 34	0 30	21 29	2 16	24 35	0 56	10 24	1 16	7 41	2 20	0 39	0 42	4 10	1 59	32 41	13 46	23 10	23 1	18 7		n.a.
W15	16 57	22 49	0 48	8 55	0 38	21 34	2 11	24 33	0 57	10 25	1 16	7 38	2 20	0 38	0 42	4 10	1 59	32 41	13 45	23 10	23 1	18 9		n.a.
T 16	16 40	23 6	0n27	8 16	0 46	21 40	2 7	24 32	0 58	10 26	1 16	7 36	2 20	0 38	0 42	4 11	1 59	32 42	13 45	23 10	23 1	18 10		n.a.
F 17	16 22	21 58	1 40	7 38	0 54	21 45	2 2	24 30	0 58	10 26	1 17	7 33	2 20	0 37	0 42	4 12	1 59	32 42	13 45	23 10	23 0	18 11		n.a.
S 18	16 4	19 31	2 46	7 0	1 2	21 49	1 57	24 29	0 59	10 27	1 17	7 30	2 20	0 37	0 42	4 12	1 58	32 42	13 45	23 10	23 0	18 13		n.a.
S 19	15 46	16 0	3 41	6 22	1 10	21 53	1 52	24 27	0 59	10 27	1 17	7 28	2 20	0 36	0 42	4 13	1 58	32 43	13 45	23 9	23 0	18 14		n.a.
M20	15 28	11 44	4 24	5 44	1 18	21 56	1 48	24 25	1 0	10 28	1 17	7 25	2 20	0 35	0 42	4 13	1 58	32 43	13 45	23 8	22 59	18 16		n.a.
T 21	15 9	6 59	4 51	5 7	1 26	21 59	1 43	24 22	1 1	10 28	1 17	7 22	2 19	0 35	0 42	4 14	1 58	32 43	13 45	23 7	22 59	18 17		n.a.
W22	14 50	2 2	5 3	4 30	1 34	22 1	1 38	24 20	1 1	10 28	1 17	7 20	2 19	0 34	0 42	4 15	1 58	32 43	13 45	23 6	22 59	18 19		n.a.
T 23	14 31	2n53	4 59	3 54	1 42	22 3	1 33	24 17	1 2	10 28	1 18	7 17	2 19	0 33	0 42	4 15	1 58	32 44	13 45	23 5	22 58	18 20		n.a.
F 24	14 12	7 35	4 42	3 18	1 50	22 4	1 29	24 15	1 2	10 29	1 18	7 14	2 19	0 33	0 42	4 16	1 58	32 44	13 45	23 4	22 58	18 21		n.a.
S 25	13 52	11 55	4 12	2 43	1 58	22 4	1 24	24 12	1 3	10 29	1 18	7 12	2 19	0 32	0 42	4 16	1 58	32 44	13 45	23 3	22 58	18 23		n.a.
S 26	13 33	15 43	3 31	2 9	2 5	22 4	1 19	24 9	1 3	10 29	1 18	7 9	2 19	0 31	0 42	4 17	1 58	32 44	13 45	23 3	22 57	18 24		n.a.
M27	13 13	18 51	2 42	1 35	2 13	22 3	1 14	24 5	1 4	10 28	1 18	7 6	2 19	0 31	0 42	4 18	1 58	32 45	13 45	23 2	22 57	18 26		n.a.
T 28	12 52	21 12	1 45	1 3	2 20	22 2	1 10	24 2	1 5	10 28	1 18	7 3	2 19	0 30	0 42	4 18	1 58	32 45	13 45	23 2	22 57	18 27		n.a.
W29	12 32	22 38	0 44	0 31	2 28	22 0	1 5	23 58	1 5	10 28	1 18	7 1	2 19	0 29	0 42	4 19	1 58	32 45	13 45	23 2	22 56	18 28		n.a.
T 30	12 11	23 3	0s20	0 1	2 35	21 58	1 0	23 54	1 6	10 28	1 19	6 58	2 19	0 28	0 42	4 20	1 58	32 45	13 45	23 2	22 56	18 30		n.a.
F 31	11n50	22n22	1s24	0s28	2s41	21n55	0s56	23n51	1n 6	10n27	1s19	6n55	2n19	0n27	0s42	4s20	1n58	32s45	13s44	23s 2	22s56	18n31		n.a.

Julian Day Number = 1476917.5, Delta T = 05h26m04s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'08, Lahiri = -13°12'07 Julian Calendar 1 Aug. 670 BCE == Greg. Calendar 25 July 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

SEPTEMBER 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 9 44	0♍24'19	14♋43	25♍57	16♋48	17♋ 5	0°R 8	18♍ 9	2°R42	15♎26	4°R14	16°R 2	15♐ 1	12♉55	n.a.	S 1
S 2	22 13 41	1°23'38	27°42	26°47	17°55	17°42	0♉ 7	18°16	2♈40	15°28	4♒13	15♐56	14°58	13° 2	n.a.	S 2
M 3	22 17 37	2°22'59	11♌ 5	27°35	19° 3	18°18	0° 6	18°23	2°38	15°30	4°12	15°48	14°55	13° 9	n.a.	M 3
T 4	22 21 34	3°22'23	24°51	28°18	20°11	18°55	0° 4	18°30	2°36	15°31	4°10	15°37	14°52	13°15	n.a.	T 4
W 5	22 25 30	4°21'48	8♍58	28°58	21°19	19°32	0° 2	18°37	2°34	15°33	4° 9	15°25	14°48	13°22	n.a.	W 5
T 6	22 29 27	5°21'16	23°20	29°33	22°27	20° 8	0° 1	18°44	2°32	15°35	4° 8	15°13	14°45	13°29	n.a.	T 6
F 7	22 33 23	6°20'46	7♎50	0♎ 3	23°35	20°45	29♈58	18°51	2°29	15°37	4° 7	15° 3	14°42	13°35	n.a.	F 7
S 8	22 37 20	7°20'18	22°23	0°28	24°44	21°21	29°56	18°58	2°27	15°39	4° 6	14°55	14°39	13°42	n.a.	S 8
S 9	22 41 16	8°19'51	6♏51	0°46	25°53	21°58	29°54	19° 5	2°25	15°41	4° 5	14°49	14°36	13°49	n.a.	S 9
M10	22 45 13	9°19'27	21°11	0°59	27° 2	22°34	29°51	19°12	2°23	15°42	4° 4	14°47	14°33	13°55	n.a.	M10
T 11	22 49 9	10°19'05	5♐20	1°R 4	28°11	23°10	29°48	19°19	2°21	15°44	4° 3	14°46	14°29	14° 2	n.a.	T 11
W12	22 53 6	11°18'44	19°17	1° 2	29°20	23°47	29°45	19°27	2°18	15°46	4° 2	14°46	14°26	14° 9	n.a.	W12
T 13	22 57 3	12°18'26	3♑ 2	0°52	0♌30	24°23	29°42	19°34	2°16	15°48	4° 1	14°45	14°23	14°15	n.a.	T 13
F 14	23 0 59	13°18'09	16°36	0°34	1°39	24°59	29°38	19°41	2°14	15°50	4° 0	14°43	14°20	14°22	n.a.	F 14
S 15	23 4 56	14°17'54	29°59	0° 8	2°49	25°35	29°34	19°48	2°11	15°52	4° 0	14°37	14°17	14°29	n.a.	S 15
S 16	23 8 52	15°17'41	13♒13	29♍32	3°59	26°11	29°30	19°55	2° 9	15°54	3°59	14°29	14°14	14°35	n.a.	S 16
M17	23 12 49	16°17'29	26°15	28°48	5° 9	26°48	29°26	20° 2	2° 7	15°56	3°58	14°18	14°10	14°42	n.a.	M17
T 18	23 16 45	17°17'20	9♓ 5	27°56	6°19	27°24	29°22	20° 9	2° 4	15°58	3°57	14° 5	14° 7	14°49	n.a.	T 18
W19	23 20 42	18°17'13	21°43	26°56	7°30	28° 0	29°18	20°16	2° 2	16° 0	3°56	13°51	14° 4	14°55	n.a.	W19
T 20	23 24 38	19°17'07	4♈ 8	25°49	8°40	28°36	29°13	20°24	2° 0	16° 2	3°55	13°37	14° 1	15° 2	n.a.	T 20
F 21	23 28 35	20°17'04	16°21	24°37	9°51	29°11	29° 8	20°31	1°57	16° 4	3°54	13°25	13°58	15° 9	n.a.	F 21
S 22	23 32 32	21°17'03	28°23	23°22	11° 2	29°47	29° 3	20°38	1°55	16° 6	3°54	13°16	13°54	15°15	n.a.	S 22
S 23	23 36 28	22°17'05	10♉16	22° 5	12°12	0♌23	28°58	20°45	1°52	16° 8	3°53	13° 9	13°51	15°22	n.a.	S 23
M24	23 40 25	23°17'08	22° 5	20°50	13°24	0°59	28°53	20°52	1°50	16°11	3°52	13° 5	13°48	15°29	n.a.	M24
T 25	23 44 21	24°17'14	3♊52	19°38	14°35	1°35	28°48	20°59	1°48	16°13	3°51	13° 3	13°45	15°35	n.a.	T 25
W26	23 48 18	25°17'22	15°43	18°31	15°46	2°10	28°42	21° 6	1°45	16°15	3°51	13°D 3	13°42	15°42	n.a.	W26
T 27	23 52 14	26°17'32	27°43	17°33	16°57	2°46	28°36	21°14	1°43	16°17	3°50	13°R 3	13°39	15°49	n.a.	T 27
F 28	23 56 11	27°17'45	9♋58	16°43	18° 9	3°22	28°30	21°21	1°40	16°19	3°49	13° 2	13°35	15°55	n.a.	F 28
S 29	0 0 7	28°17'59	22°33	16° 4	19°21	3°57	28°24	21°28	1°38	16°21	3°49	13° 0	13°32	16° 2	n.a.	S 29
S 30	0 4 4	29♍18'16	5♌33	15♍36	20♌33	4♌33	28♈18	21♍35	1♈35	16♎23	3♒48	12♐55	13♐29	16♉ 9	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n29	20n32	2s26	0s56	2s48	21n51	0s51	23n46	1n 7	10n27	1s19	6n52	2n19	0n27	0s42	4s21	1n58	32s46	13s44	23s 2	22s55	18n32		n.a.
S 2	11 8	17 37	3 22	1 22	2 54	21 47	0 47	23 42	1 8	10 26	1 19	6 49	2 19	0 26	0 42	4 22	1 58	32 46	13 44	23 1	22 55	18 34		n.a.
M 3	10 46	13 43	4 8	1 46	3 0	21 42	0 42	23 38	1 8	10 26	1 19	6 47	2 19	0 25	0 42	4 23	1 58	32 46	13 44	23 0	22 54	18 35		n.a.
T 4	10 25	9 0	4 42	2 9	3 5	21 37	0 38	23 33	1 9	10 25	1 19	6 44	2 19	0 24	0 42	4 23	1 58	32 46	13 44	22 59	22 54	18 36		n.a.
W 5	10 3	3 43	4 59	2 29	3 10	21 31	0 33	23 29	1 9	10 24	1 20	6 41	2 19	0 23	0 42	4 24	1 58	32 46	13 44	22 58	22 54	18 38		n.a.
T 6	9 41	1s52	4 58	2 47	3 15	21 24	0 29	23 24	1 10	10 24	1 20	6 38	2 19	0 22	0 42	4 25	1 58	32 46	13 44	22 57	22 53	18 39		n.a.
F 7	9 18	7 23	4 38	3 3	3 18	21 17	0 25	23 19	1 11	10 23	1 20	6 35	2 19	0 22	0 42	4 26	1 57	32 47	13 44	22 55	22 53	18 40		n.a.
S 8	8 56	12 31	3 59	3 15	3 21	21 9	0 20	23 14	1 11	10 22	1 20	6 32	2 18	0 21	0 42	4 26	1 57	32 47	13 43	22 54	22 53	18 42		n.a.
S 9	8 34	16 55	3 6	3 25	3 23	21 0	0 16	23 8	1 12	10 21	1 20	6 30	2 18	0 20	0 42	4 27	1 57	32 47	13 43	22 54	22 52	18 43		n.a.
M10	8 11	20 15	2 1	3 31	3 24	20 51	0 12	23 3	1 12	10 20	1 20	6 27	2 18	0 19	0 42	4 28	1 57	32 47	13 43	22 54	22 52	18 44		n.a.
T 11	7 48	22 18	0 50	3 33	3 24	20 41	0 8	22 57	1 13	10 18	1 20	6 24	2 18	0 18	0 42	4 29	1 57	32 47	13 43	22 53	22 52	18 46		n.a.
W12	7 25	22 56	0n24	3 31	3 23	20 31	0 4	22 51	1 14	10 17	1 20	6 21	2 18	0 17	0 42	4 29	1 57	32 47	13 43	22 53	22 51	18 47		n.a.
T 13	7 2	22 9	1 35	3 25	3 21	20 20	0n 1	22 46	1 14	10 16	1 21	6 18	2 18	0 16	0 42	4 30	1 57	32 47	13 43	22 53	22 51	18 48		n.a.
F 14	6 39	20 5	2 40	3 14	3 17	20 9	0 5	22 40	1 15	10 15	1 21	6 15	2 18	0 15	0 42	4 31	1 57	32 47	13 42	22 53	22 50	18 50		n.a.
S 15	6 16	16 56	3 35	2 58	3 11	19 56	0 8	22 33	1 15	10 13	1 21	6 13	2 18	0 14	0 42	4 32	1 57	32 47	13 42	22 52	22 50	18 51		n.a.
S 16	5 52	12 59	4 17	2 37	3 4	19 44	0 12	22 27	1 16	10 12	1 21	6 10	2 18	0 13	0 42	4 33	1 57	32 47	13 42	22 52	22 50	18 52		n.a.
M17	5 29	8 28	4 45	2 11	2 55	19 30	0 16	22 21	1 17	10 10	1 21	6 7	2 18	0 12	0 42	4 33	1 57	32 47	13 42	22 50	22 49	18 54		n.a.
T 18	5 5	3 40	4 59	1 40	2 44	19 17	0 20	22 14	1 17	10 9	1 21	6 4	2 18	0 11	0 42	4 34	1 57	32 47	13 42	22 49	22 49	18 55		n.a.
W19	4 42	1n13	4 57	1 4	2 31	19 2	0 24	22 7	1 18	10 7	1 21	6 1	2 18	0 10	0 42	4 35	1 57	32 47	13 41	22 47	22 49	18 56		n.a.
T 20	4 18	5 57	4 41	0 24	2 16	18 47	0 27	22 1	1 18	10 5	1 21	5 58	2 18	0 10	0 42	4 36	1 57	32 47	13 41	22 45	22 48	18 57		n.a.
F 21	3 54	10 23	4 13	0n20	2 0	18 32	0 31	21 54	1 19	10 3	1 21	5 56	2 18	0 9	0 42	4 37	1 57	32 48	13 41	22 44	22 48	18 59		n.a.
S 22	3 30	14 21	3 33	1 7	1 42	18 15	0 34	21 47	1 20	10 2	1 21	5 53	2 18	0 8	0 42	4 38	1 57	32 48	13 41	22 43	22 47	19 0		n.a.
S 23	3 6	17 42	2 44	1 55	1 22	17 59	0 38	21 39	1 20	10 0	1 21	5 50	2 18	0 7	0 42	4 38	1 57	32 47	13 41	22 42	22 47	19 1		n.a.
M24	2 42	20 18	1 49	2 44	1 2	17 41	0 41	21 32	1 21	9 58	1 22	5 47	2 18	0 6	0 42	4 39	1 57	32 47	13 40	22 41	22 47	19 2		n.a.
T 25	2 18	22 1	0 49	3 32	0 42	17 24	0 44	21 25	1 22	9 56	1 22	5 44	2 19	0 5	0 42	4 40	1 57	32 47	13 40	22 41	22 46	19 4		n.a.
W26	1 54	22 46	0s14	4 17	0 21	17 5	0 48	21 17	1 22	9 54	1 22	5 41	2 19	0 4	0 42	4 41	1 57	32 47	13 40	22 41	22 46	19 5		n.a.
T 27	1 30	22 28	1 17	4 59	0 1	16 47	0 51	21 9	1 23	9 51	1 22	5 39	2 19	0 3	0 42	4 42	1 57	32 47	13 40	22 41	22 45	19 6		n.a.
F 28	1 5	21 6	2 18	5 36	0n19	16 27	0 54	21 2	1 23	9 49	1 22	5 36	2 19	0 2	0 42	4 43	1 57	32 47	13 39	22 41	22 45	19 7		n.a.
S 29	0 41	18 41	3 14	6 8	0 37	16 8	0 57	20 54	1 24	9 47	1 22	5 33	2 19	0 1	0 42	4 43	1 57	32 47	13 39	22 41	22 45	19 9		n.a.
S 30	0n17	15n15	4s 1	6n34	0n54	15n47	1n 0	20n46	1n25	9n45	1s22	5n30	2n19	0s 0	0s42	4s44	1n57	32s47	13s39	22s40	22s44	19n10		n.a.

Julian Day Number = 1476948.5, Delta T = 05h26m03s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°19'03, Lahiri = -13°12'03 Julian Calendar 1 Sept. 670 BCE == Greg. Calendar 25 Aug. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

OCTOBER 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 8 1	0♎18'35	19♌ 0	15°R20	21♌44	5♌ 8	28°R12	21♍42	1°R33	16♎26	3°R47	12°R47	13♐26	16♉15	n.a.	M 1
T 2	0 11 57	1°18'56	2♍56	15°D16	22°56	5°43	28♈ 5	21°49	1♈30	16°28	3♒47	12♐38	13°23	16°22	n.a.	T 2
W 3	0 15 54	2°19'19	17°17	15♍22	24° 9	6°19	27°59	21°56	1°28	16°30	3°46	12°27	13°19	16°29	n.a.	W 3
T 4	0 19 50	3°19'44	1♎58	15°40	25°21	6°54	27°52	22° 3	1°25	16°32	3°46	12°16	13°16	16°35	n.a.	T 4
F 5	0 23 47	4°20'11	16°53	16° 7	26°33	7°29	27°45	22°10	1°23	16°34	3°45	12° 6	13°13	16°42	n.a.	F 5
S 6	0 27 43	5°20'39	1♏51	16°43	27°46	8° 4	27°38	22°17	1°20	16°37	3°45	11°58	13°10	16°49	n.a.	S 6
S 7	0 31 40	6°21'09	16°43	17°28	28°58	8°39	27°31	22°24	1°18	16°39	3°44	11°53	13° 7	16°55	n.a.	S 7
M 8	0 35 36	7°21'41	1♐23	18°19	0♍11	9°14	27°24	22°31	1°15	16°41	3°44	11°51	13° 4	17° 2	n.a.	M 8
T 9	0 39 33	8°22'14	15°46	19°17	1°23	9°49	27°16	22°38	1°13	16°43	3°43	11°D50	13° 0	17° 9	n.a.	T 9
W10	0 43 29	9°22'49	29°49	20°21	2°36	10°24	27° 9	22°45	1°11	16°46	3°43	11°51	12°57	17°15	n.a.	W10
T 11	0 47 26	10°23'25	13♑33	21°30	3°49	10°59	27° 1	22°52	1° 8	16°48	3°43	11°R51	12°54	17°22	n.a.	T 11
F 12	0 51 23	11°24'02	26°59	22°42	5° 2	11°34	26°54	22°59	1° 6	16°50	3°42	11°50	12°51	17°28	n.a.	F 12
S 13	0 55 19	12°24'40	10♒ 9	23°59	6°15	12° 9	26°46	23° 6	1° 3	16°52	3°42	11°46	12°48	17°35	n.a.	S 13
S 14	0 59 16	13°25'20	23° 4	25°18	7°28	12°43	26°38	23°13	1° 1	16°55	3°42	11°40	12°45	17°42	n.a.	S 14
M15	1 3 12	14°26'01	5♓47	26°40	8°41	13°18	26°30	23°20	0°58	16°57	3°41	11°32	12°41	17°48	n.a.	M15
T 16	1 7 9	15°26'44	18°18	28° 5	9°54	13°52	26°23	23°27	0°56	16°59	3°41	11°22	12°38	17°55	n.a.	T 16
W17	1 11 5	16°27'28	0♈39	29°31	11° 8	14°27	26°15	23°34	0°54	17° 1	3°41	11°11	12°35	18° 2	n.a.	W17
T 18	1 15 2	17°28'13	12°51	0♎58	12°21	15° 1	26° 7	23°40	0°51	17° 4	3°41	11° 0	12°32	18° 8	n.a.	T 18
F 19	1 18 58	18°29'00	24°54	2°27	13°34	15°35	25°59	23°47	0°49	17° 6	3°40	10°51	12°29	18°15	n.a.	F 19
S 20	1 22 55	19°29'48	6♉49	3°57	14°48	16°10	25°51	23°54	0°47	17° 8	3°40	10°43	12°25	18°22	n.a.	S 20
S 21	1 26 52	20°30'37	18°40	5°27	16° 2	16°44	25°42	24° 0	0°44	17°10	3°40	10°38	12°22	18°28	n.a.	S 21
M22	1 30 48	21°31'29	0♊26	6°59	17°15	17°18	25°34	24° 7	0°42	17°13	3°40	10°35	12°19	18°35	n.a.	M22
T 23	1 34 45	22°32'21	12°13	8°31	18°29	17°52	25°26	24°14	0°40	17°15	3°40	10°D35	12°16	18°42	n.a.	T 23
W24	1 38 41	23°33'16	24° 4	10° 3	19°43	18°26	25°18	24°20	0°38	17°17	3°40	10°36	12°13	18°48	n.a.	W24
T 25	1 42 38	24°34'11	6♋ 3	11°36	20°57	19° 0	25°10	24°27	0°35	17°19	3°40	10°37	12°10	18°55	n.a.	T 25
F 26	1 46 34	25°35'08	18°16	13° 9	22°11	19°34	25° 2	24°33	0°33	17°22	3°D40	10°38	12° 6	19° 2	n.a.	F 26
S 27	1 50 31	26°36'07	0♌47	14°42	23°25	20° 7	24°53	24°40	0°31	17°24	3°40	10°R39	12° 3	19° 8	n.a.	S 27
S 28	1 54 27	27°37'07	13°41	16°15	24°39	20°41	24°45	24°46	0°29	17°26	3°40	10°37	12° 0	19°15	n.a.	S 28
M29	1 58 24	28°38'09	27° 2	17°49	25°53	21°15	24°37	24°52	0°27	17°28	3°40	10°34	11°57	19°22	n.a.	M29
T 30	2 2 21	29°39'11	10♍52	19°22	27° 7	21°48	24°29	24°59	0°25	17°30	3°40	10°29	11°54	19°28	n.a.	T 30
W31	2 6 17	0♏40'15	25♍12	20♎56	28♍21	22♌21	24♈21	25♍ 5	0♈23	17♎33	3♒40	10♐23	11♐50	19♉35	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	0s 7	10n57	4s37	6n55	1n 9	15n26	1n 3	20n38	1n25	9n42	1s22	5n27	2n19	0s 1	0s42	4s45	1n57	32s47	13s39	22s39	22s44	19n11			n.a.
T 2	0 32	5 57	4 58	7 9	1 22	15 5	1 5	20 29	1 26	9 40	1 22	5 24	2 19	0 2	0 42	4 46	1 57	32 47	13 39	22 38	22 43	19 12			n.a.
W 3	0 56	0 29	5 1	7 17	1 34	14 44	1 8	20 21	1 27	9 38	1 22	5 22	2 19	0 3	0 42	4 47	1 57	32 47	13 38	22 36	22 43	19 13			n.a.
T 4	1 20	5s 8	4 45	7 20	1 44	14 21	1 11	20 13	1 27	9 35	1 22	5 19	2 19	0 4	0 42	4 48	1 57	32 47	13 38	22 35	22 43	19 15			n.a.
F 5	1 45	10 33	4 9	7 17	1 53	13 59	1 13	20 4	1 28	9 33	1 22	5 16	2 19	0 5	0 42	4 49	1 57	32 47	13 38	22 34	22 42	19 16			n.a.
S 6	2 9	15 20	3 16	7 9	2 0	13 36	1 15	19 56	1 28	9 30	1 22	5 13	2 19	0 6	0 42	4 50	1 57	32 47	13 37	22 32	22 42	19 17			n.a.
S 7	2 33	19 8	2 10	6 56	2 5	13 12	1 18	19 47	1 29	9 28	1 22	5 11	2 19	0 7	0 42	4 50	1 57	32 46	13 37	22 32	22 41	19 18			n.a.
M 8	2 58	21 38	0 56	6 40	2 9	12 49	1 20	19 38	1 30	9 25	1 22	5 8	2 19	0 8	0 42	4 51	1 57	32 46	13 37	22 31	22 41	19 19			n.a.
T 9	3 22	22 39	0n21	6 19	2 12	12 25	1 22	19 29	1 30	9 22	1 22	5 5	2 19	0 9	0 42	4 52	1 57	32 46	13 37	22 31	22 41	19 21			n.a.
W10	3 46	22 12	1 35	5 55	2 14	12 0	1 24	19 20	1 31	9 20	1 22	5 2	2 19	0 10	0 42	4 53	1 57	32 46	13 36	22 31	22 40	19 22			n.a.
T 11	4 10	20 24	2 41	5 28	2 15	11 35	1 26	19 11	1 32	9 17	1 22	5 0	2 19	0 11	0 42	4 54	1 57	32 46	13 36	22 32	22 40	19 23			n.a.
F 12	4 34	17 30	3 37	4 59	2 14	11 10	1 28	19 2	1 32	9 14	1 22	4 57	2 19	0 12	0 42	4 55	1 57	32 46	13 36	22 31	22 39	19 24			n.a.
S 13	4 58	13 46	4 20	4 27	2 13	10 44	1 30	18 53	1 33	9 11	1 22	4 54	2 20	0 13	0 42	4 56	1 57	32 45	13 36	22 31	22 39	19 25			n.a.
S 14	5 22	9 28	4 49	3 54	2 11	10 18	1 32	18 43	1 34	9 9	1 22	4 52	2 20	0 14	0 42	4 57	1 57	32 45	13 35	22 30	22 39	19 26			n.a.
M15	5 46	4 49	5 3	3 19	2 9	9 52	1 33	18 34	1 34	9 6	1 22	4 49	2 20	0 15	0 42	4 57	1 57	32 45	13 35	22 29	22 38	19 28			n.a.
T 16	6 10	0 3	5 3	2 42	2 6	9 25	1 35	18 25	1 35	9 3	1 22	4 46	2 20	0 16	0 42	4 58	1 57	32 45	13 35	22 27	22 38	19 29			n.a.
W17	6 33	4n39	4 48	2 4	2 2	8 59	1 36	18 15	1 36	9 0	1 22	4 44	2 20	0 17	0 42	4 59	1 57	32 45	13 34	22 26	22 37	19 30			n.a.
T 18	6 57	9 7	4 20	1 25	1 58	8 31	1 38	18 5	1 36	8 57	1 22	4 41	2 20	0 18	0 42	5 0	1 57	32 44	13 34	22 24	22 37	19 31			n.a.
F 19	7 21	13 11	3 40	0 45	1 54	8 4	1 39	17 56	1 37	8 54	1 22	4 38	2 20	0 19	0 42	5 1	1 57	32 44	13 34	22 23	22 37	19 32			n.a.
S 20	7 44	16 41	2 52	0 4	1 49	7 36	1 40	17 46	1 38	8 51	1 22	4 36	2 20	0 20	0 42	5 2	1 57	32 44	13 34	22 22	22 36	19 33			n.a.
S 21	8 7	19 28	1 56	0s37	1 44	7 8	1 41	17 36	1 38	8 48	1 22	4 33	2 20	0 21	0 42	5 3	1 57	32 44	13 33	22 21	22 36	19 34			n.a.
M22	8 30	21 25	0 55	1 19	1 38	6 40	1 42	17 26	1 39	8 46	1 21	4 31	2 20	0 22	0 42	5 4	1 57	32 44	13 33	22 21	22 35	19 35			n.a.
T 23	8 53	22 26	0s 9	2 0	1 32	6 12	1 43	17 16	1 40	8 43	1 21	4 28	2 21	0 22	0 42	5 4	1 57	32 43	13 33	22 21	22 35	19 36			n.a.
W24	9 16	22 26	1 12	2 43	1 27	5 43	1 44	17 6	1 40	8 40	1 21	4 26	2 21	0 23	0 42	5 5	1 57	32 43	13 32	22 21	22 34	19 38			n.a.
T 25	9 39	21 25	2 14	3 25	1 20	5 14	1 45	16 56	1 41	8 37	1 21	4 23	2 21	0 24	0 42	5 6	1 57	32 43	13 32	22 21	22 34	19 39			n.a.
F 26	10 2	19 22	3 10	4 7	1 14	4 46	1 46	16 46	1 42	8 34	1 21	4 21	2 21	0 25	0 42	5 7	1 57	32 42	13 32	22 21	22 34	19 40			n.a.
S 27	10 24	16 23	3 59	4 50	1 8	4 16	1 46	16 36	1 42	8 31	1 21	4 18	2 21	0 26	0 42	5 8	1 57	32 42	13 32	22 21	22 33	19 41			n.a.
S 28	10 46	12 32	4 37	5 32	1 1	3 47	1 47	16 25	1 43	8 28	1 21	4 16	2 21	0 27	0 42	5 9	1 57	32 42	13 31	22 21	22 33	19 42			n.a.
M29	11 8	7 57	5 2	6 15	0 55	3 18	1 47	16 15	1 44	8 25	1 21	4 13	2 21	0 28	0 42	5 10	1 57	32 42	13 31	22 21	22 32	19 43			n.a.
T 30	11 30	2 49	5 10	6 57	0 48	2 48	1 47	16 5	1 44	8 22	1 20	4 11	2 21	0 28	0 42	5 10	1 57	32 41	13 31	22 20	22 32	19 44			n.a.
W31	11s52	2s39	5s 0	7s39	0n41	2n18	1n48	15n54	1n45	8n19	1s20	4n 8	2n22	0s29	0s42	5s11	1n57	32s41	13s30	22s19	22s31	19n45			n.a.

Julian Day Number = 1476978.5, Delta T = 05h26m01s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'59, Lahiri = -13°11'59 Julian Calendar 1 Oct. 670 BCE == Greg. Calendar 24 Sept. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

NOVEMBER 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 10 14	1♏41'20	9♎56	22♎30	29♍35	22♌55	24°R13	25♍11	0°R21	17♎35	3♒40	10°R16	11♐47	19♉42	n.a.	T 1
F 2	2 14 10	2°42'27	25° 0	24° 4	0♎49	23°28	24♈ 5	25°17	0♈19	17°37	3°41	10♐11	11°44	19°48	n.a.	F 2
S 3	2 18 7	3°43'34	10♏12	25°37	2° 4	24° 1	23°57	25°24	0°17	17°39	3°41	10° 6	11°41	19°55	n.a.	S 3
S 4	2 22 3	4°44'43	25°24	27°11	3°18	24°34	23°49	25°30	0°15	17°41	3°41	10° 4	11°38	20° 2	n.a.	S 4
M 5	2 26 0	5°45'52	10♐25	28°45	4°33	25° 7	23°41	25°36	0°13	17°44	3°41	10°D 3	11°35	20° 8	n.a.	M 5
T 6	2 29 56	6°47'02	25° 8	0♏19	5°47	25°40	23°33	25°42	0°11	17°46	3°42	10° 4	11°31	20°15	n.a.	T 6
W 7	2 33 53	7°48'12	9♑27	1°53	7° 1	26°13	23°25	25°48	0° 9	17°48	3°42	10° 5	11°28	20°22	n.a.	W 7
T 8	2 37 50	8°49'23	23°22	3°27	8°16	26°45	23°18	25°54	0° 7	17°50	3°42	10° 7	11°25	20°28	n.a.	T 8
F 9	2 41 46	9°50'34	6♒53	5° 1	9°30	27°18	23°10	25°59	0° 6	17°52	3°43	10°R 7	11°22	20°35	n.a.	F 9
S 10	2 45 43	10°51'45	20° 1	6°35	10°45	27°50	23° 3	26° 5	0° 4	17°54	3°43	10° 7	11°19	20°42	n.a.	S 10
S 11	2 49 39	11°52'57	2♓50	8° 9	12° 0	28°23	22°55	26°11	0° 2	17°57	3°43	10° 5	11°16	20°48	n.a.	S 11
M12	2 53 36	12°54'09	15°22	9°43	13°14	28°55	22°48	26°16	0° 1	17°59	3°44	10° 2	11°12	20°55	n.a.	M12
T 13	2 57 32	13°55'22	27°40	11°17	14°29	29°27	22°41	26°22	29♓59	18° 1	3°44	9°58	11° 9	21° 1	n.a.	T 13
W14	3 1 29	14°56'35	9♈48	12°52	15°43	29°59	22°34	26°28	29°57	18° 3	3°45	9°54	11° 6	21° 8	n.a.	W14
T 15	3 5 25	15°57'48	21°48	14°26	16°58	0♍31	22°27	26°33	29°56	18° 5	3°45	9°49	11° 3	21°15	n.a.	T 15
F 16	3 9 22	16°59'01	3♉42	16° 1	18°13	1° 3	22°20	26°38	29°54	18° 7	3°46	9°45	11° 0	21°21	n.a.	F 16
S 17	3 13 19	18° 0'15	15°32	17°36	19°28	1°34	22°13	26°44	29°53	18° 9	3°46	9°43	10°56	21°28	n.a.	S 17
S 18	3 17 15	19° 1'30	27°21	19°11	20°42	2° 6	22° 7	26°49	29°52	18°11	3°47	9°41	10°53	21°35	n.a.	S 18
M19	3 21 12	20° 2'44	9♊ 9	20°46	21°57	2°37	22° 0	26°54	29°50	18°13	3°47	9°D40	10°50	21°41	n.a.	M19
T 20	3 25 8	21° 3'59	20°59	22°22	23°12	3° 9	21°54	26°59	29°49	18°15	3°48	9°41	10°47	21°48	n.a.	T 20
W21	3 29 5	22° 5'15	2♋55	23°58	24°27	3°40	21°48	27° 5	29°48	18°17	3°49	9°42	10°44	21°55	n.a.	W21
T 22	3 33 1	23° 6'31	14°59	25°34	25°41	4°11	21°42	27°10	29°47	18°19	3°49	9°43	10°41	22° 1	n.a.	T 22
F 23	3 36 58	24° 7'47	27°14	27°10	26°56	4°42	21°36	27°14	29°45	18°21	3°50	9°45	10°37	22° 8	n.a.	F 23
S 24	3 40 55	25° 9'03	9♌45	28°46	28°11	5°13	21°31	27°19	29°44	18°23	3°51	9°46	10°34	22°15	n.a.	S 24
S 25	3 44 51	26°10'20	22°35	0♐23	29°26	5°43	21°25	27°24	29°43	18°24	3°52	9°R46	10°31	22°21	n.a.	S 25
M26	3 48 48	27°11'37	5♍48	2° 0	0♏41	6°14	21°20	27°29	29°42	18°26	3°52	9°46	10°28	22°28	n.a.	M26
T 27	3 52 44	28°12'55	19°27	3°37	1°56	6°44	21°15	27°34	29°41	18°28	3°53	9°46	10°25	22°35	n.a.	T 27
W28	3 56 41	29°14'13	3♎32	5°15	3°11	7°14	21°10	27°38	29°40	18°30	3°54	9°44	10°22	22°41	n.a.	W28
T 29	4 0 37	0♐15'30	18° 3	6°53	4°26	7°45	21° 5	27°43	29°39	18°32	3°55	9°43	10°18	22°48	n.a.	T 29
F 30	4 4 34	1♐16'48	2♏56	8♐31	5♏41	8♍15	21♈ 0	27♍47	29♓39	18♎34	3♒56	9♐42	10♐15	22♉55	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s14	8s 7	4s30	8s20	0n35	1n49	1n48	15n44	1n46	8n17	1s20	4n 6	2n22	0s30	0s42	5s12	1n57	32s41	13s30	22s18	22s31	19n46		n.a.
F 2	12 35	13 14	3 41	9 2	0 28	1 19	1 48	15 34	1 47	8 14	1 20	4 4	2 22	0 31	0 42	5 13	1 57	32 40	13 30	22 17	22 31	19 47		n.a.
S 3	12 56	17 33	2 36	9 43	0 21	0 49	1 48	15 23	1 47	8 11	1 20	4 1	2 22	0 31	0 42	5 14	1 57	32 40	13 30	22 17	22 30	19 48		n.a.
S 4	13 17	20 40	1 19	10 23	0 14	0 19	1 48	15 13	1 48	8 8	1 20	3 59	2 22	0 32	0 42	5 15	1 57	32 40	13 29	22 16	22 30	19 49		n.a.
M 5	13 38	22 17	0n 2	11 4	0 8	0s11	1 48	15 2	1 49	8 5	1 20	3 57	2 22	0 33	0 42	5 15	1 57	32 39	13 29	22 16	22 29	19 50		n.a.
T 6	13 58	22 19	1 22	11 44	0 1	0 41	1 47	14 51	1 49	8 3	1 19	3 55	2 23	0 34	0 42	5 16	1 57	32 39	13 29	22 16	22 29	19 51		n.a.
W 7	14 18	20 52	2 34	12 23	0s 6	1 11	1 47	14 41	1 50	8 0	1 19	3 52	2 23	0 34	0 42	5 17	1 57	32 39	13 28	22 16	22 28	19 52		n.a.
T 8	14 38	18 11	3 35	13 2	0 12	1 42	1 47	14 30	1 51	7 57	1 19	3 50	2 23	0 35	0 42	5 18	1 57	32 38	13 28	22 17	22 28	19 53		n.a.
F 9	14 58	14 34	4 23	13 40	0 19	2 12	1 46	14 19	1 52	7 55	1 19	3 48	2 23	0 36	0 42	5 19	1 57	32 38	13 28	22 17	22 27	19 54		n.a.
S 10	15 18	10 21	4 55	14 18	0 25	2 42	1 46	14 9	1 52	7 52	1 19	3 46	2 23	0 36	0 42	5 19	1 57	32 37	13 27	22 17	22 27	19 55		n.a.
S 11	15 37	5 46	5 11	14 55	0 31	3 12	1 45	13 58	1 53	7 49	1 18	3 44	2 23	0 37	0 42	5 20	1 57	32 37	13 27	22 16	22 27	19 56		n.a.
M12	15 56	1 3	5 12	15 31	0 38	3 42	1 44	13 47	1 54	7 47	1 18	3 41	2 24	0 38	0 42	5 21	1 57	32 37	13 27	22 16	22 26	19 57		n.a.
T 13	16 14	3n37	4 59	16 7	0 44	4 12	1 43	13 36	1 54	7 44	1 18	3 39	2 24	0 38	0 41	5 22	1 57	32 36	13 27	22 15	22 26	19 58		n.a.
W14	16 33	8 6	4 32	16 42	0 50	4 42	1 42	13 26	1 55	7 42	1 18	3 37	2 24	0 39	0 41	5 23	1 57	32 36	13 26	22 15	22 25	19 59		n.a.
T 15	16 51	12 13	3 54	17 17	0 56	5 12	1 42	13 15	1 56	7 40	1 17	3 35	2 24	0 40	0 41	5 23	1 57	32 35	13 26	22 14	22 25	20 0		n.a.
F 16	17 9	15 50	3 6	17 51	1 1	5 42	1 41	13 4	1 57	7 37	1 17	3 33	2 24	0 40	0 41	5 24	1 57	32 35	13 26	22 14	22 24	20 1		n.a.
S 17	17 26	18 47	2 9	18 23	1 7	6 11	1 39	12 53	1 57	7 35	1 17	3 31	2 24	0 41	0 41	5 25	1 57	32 35	13 25	22 13	22 24	20 2		n.a.
S 18	17 43	20 56	1 8	18 55	1 12	6 41	1 38	12 43	1 58	7 33	1 17	3 29	2 25	0 41	0 41	5 26	1 57	32 34	13 25	22 13	22 23	20 3		n.a.
M19	18 0	22 11	0 3	19 27	1 18	7 10	1 37	12 32	1 59	7 31	1 16	3 27	2 25	0 42	0 41	5 26	1 57	32 34	13 25	22 13	22 23	20 4		n.a.
T 20	18 17	22 26	1s 2	19 57	1 23	7 39	1 36	12 21	2 0	7 28	1 16	3 26	2 25	0 42	0 41	5 27	1 57	32 33	13 25	22 13	22 23	20 5		n.a.
W21	18 33	21 39	2 5	20 26	1 28	8 9	1 34	12 10	2 1	7 26	1 16	3 24	2 25	0 43	0 41	5 28	1 57	32 33	13 24	22 13	22 22	20 6		n.a.
T 22	18 49	19 53	3 3	20 55	1 32	8 37	1 33	11 59	2 1	7 24	1 16	3 22	2 25	0 43	0 41	5 28	1 57	32 32	13 24	22 13	22 22	20 7		n.a.
F 23	19 4	17 11	3 54	21 22	1 37	9 6	1 32	11 49	2 2	7 22	1 15	3 20	2 26	0 44	0 41	5 29	1 57	32 32	13 24	22 13	22 21	20 8		n.a.
S 24	19 19	13 39	4 35	21 48	1 41	9 35	1 30	11 38	2 3	7 20	1 15	3 18	2 26	0 44	0 41	5 30	1 57	32 32	13 24	22 14	22 21	20 9		n.a.
S 25	19 34	9 24	5 3	22 13	1 45	10 3	1 28	11 27	2 4	7 19	1 15	3 17	2 26	0 44	0 41	5 31	1 57	32 31	13 23	22 14	22 20	20 10		n.a.
M26	19 48	4 37	5 17	22 37	1 48	10 31	1 27	11 16	2 4	7 17	1 15	3 15	2 26	0 45	0 41	5 31	1 57	32 31	13 23	22 14	22 20	20 11		n.a.
T 27	20 2	0s33	5 13	23 0	1 52	10 59	1 25	11 6	2 5	7 15	1 14	3 13	2 27	0 45	0 41	5 32	1 57	32 30	13 23	22 14	22 19	20 12		n.a.
W28	20 16	5 51	4 51	23 21	1 55	11 27	1 23	10 55	2 6	7 14	1 14	3 12	2 27	0 45	0 41	5 33	1 57	32 30	13 23	22 13	22 19	20 13		n.a.
T 29	20 29	11 0	4 9	23 42	1 58	11 54	1 21	10 44	2 7	7 12	1 14	3 10	2 27	0 46	0 41	5 33	1 58	32 29	13 22	22 13	22 18	20 14		n.a.
F 30	20s42	15s38	3s11	24s 0	2s 0	12s21	1n20	10n34	2n 8	7n10	1s13	3n 8	2n27	0s46	0s41	5s34	1n58	32s29	13s22	22s13	22s18	20n15		n.a.

Julian Day Number = 1477009.5, Delta T = 05h26m00s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'55, Lahiri = -13°11'55 Julian Calendar 1 Nov. 670 BCE == Greg. Calendar 25 Oct. 670 BCE

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ASTRODIENST EPHEMERIS for the year 670 BCE
geocentric

DECEMBER 670 BCE (-669) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 8 30	2♐18'07	18♏ 4	10♐ 9	6♏56	8♍44	20°R56	27♍51	29°R38	18♎35	3♒57	9°R41	10♐12	23♉ 1	n.a.	S 1
S 2	4 12 27	3°19'25	3♐17	11°48	8°11	9°14	20♈51	27°56	29♓37	18°37	3°57	9°D41	10° 9	23° 8	n.a.	S 2
M 3	4 16 24	4°20'42	18°27	13°27	9°26	9°43	20°47	28° 0	29°36	18°39	3°58	9♐41	10° 6	23°15	n.a.	M 3
T 4	4 20 20	5°22'00	3♑23	15° 5	10°41	10°13	20°43	28° 4	29°36	18°41	3°59	9°41	10° 2	23°21	n.a.	T 4
W 5	4 24 17	6°23'17	17°59	16°44	11°56	10°42	20°40	28° 8	29°35	18°42	4° 0	9°42	9°59	23°28	n.a.	W 5
T 6	4 28 13	7°24'33	2♒ 9	18°23	13°11	11°11	20°36	28°12	29°35	18°44	4° 1	9°42	9°56	23°35	n.a.	T 6
F 7	4 32 10	8°25'49	15°52	20° 2	14°26	11°40	20°33	28°16	29°34	18°46	4° 2	9°42	9°53	23°41	n.a.	F 7
S 8	4 36 6	9°27'04	29° 8	21°41	15°41	12° 8	20°30	28°19	29°34	18°47	4° 3	9°42	9°50	23°48	n.a.	S 8
S 9	4 40 3	10°28'18	11♓59	23°20	16°56	12°37	20°27	28°23	29°33	18°49	4° 4	9°42	9°47	23°54	n.a.	S 9
M10	4 44 0	11°29'31	24°30	24°58	18°11	13° 5	20°24	28°27	29°33	18°50	4° 5	9°42	9°43	24° 1	n.a.	M10
T 11	4 47 56	12°30'44	6♈44	26°35	19°26	13°33	20°22	28°30	29°33	18°52	4° 7	9°42	9°40	24° 8	n.a.	T 11
W12	4 51 53	13°31'55	18°46	28°12	20°41	14° 1	20°19	28°34	29°32	18°53	4° 8	9°43	9°37	24°14	n.a.	W12
T 13	4 55 49	14°33'06	0♉39	29°47	21°56	14°28	20°17	28°37	29°32	18°55	4° 9	9°43	9°34	24°21	n.a.	T 13
F 14	4 59 46	15°34'16	12°28	1♑22	23°11	14°56	20°15	28°40	29°32	18°56	4°10	9°44	9°31	24°28	n.a.	F 14
S 15	5 3 42	16°35'25	24°15	2°54	24°25	15°23	20°13	28°43	29°32	18°58	4°11	9°45	9°28	24°34	n.a.	S 15
S 16	5 7 39	17°36'33	6♊ 4	4°25	25°40	15°50	20°12	28°46	29°D32	18°59	4°12	9°R45	9°24	24°41	n.a.	S 16
M17	5 11 35	18°37'41	17°57	5°53	26°55	16°17	20°11	28°49	29°32	19° 0	4°13	9°45	9°21	24°48	n.a.	M17
T 18	5 15 32	19°38'47	29°55	7°18	28°10	16°44	20°10	28°52	29°32	19° 2	4°15	9°44	9°18	24°54	n.a.	T 18
W19	5 19 29	20°39'53	12♋ 2	8°39	29°25	17°10	20° 9	28°55	29°32	19° 3	4°16	9°43	9°15	25° 1	n.a.	W19
T 20	5 23 25	21°40'58	24°17	9°56	0♐40	17°36	20° 8	28°58	29°33	19° 4	4°17	9°41	9°12	25° 8	n.a.	T 20
F 21	5 27 22	22°42'02	6♌44	11° 8	1°55	18° 2	20° 7	29° 0	29°33	19° 6	4°18	9°39	9° 8	25°14	n.a.	F 21
S 22	5 31 18	23°43'06	19°24	12°15	3°10	18°28	20° 7	29° 3	29°33	19° 7	4°20	9°37	9° 5	25°21	n.a.	S 22
S 23	5 35 15	24°44'08	2♍19	13°15	4°25	18°53	20°D 7	29° 5	29°33	19° 8	4°21	9°36	9° 2	25°28	n.a.	S 23
M24	5 39 11	25°45'10	15°32	14° 8	5°40	19°19	20° 7	29° 7	29°34	19° 9	4°22	9°35	8°59	25°34	n.a.	M24
T 25	5 43 8	26°46'11	29° 3	14°53	6°55	19°44	20° 8	29°10	29°34	19°10	4°24	9°D35	8°56	25°41	n.a.	T 25
W26	5 47 4	27°47'11	12♎55	15°28	8°10	20° 8	20° 8	29°12	29°35	19°11	4°25	9°35	8°53	25°48	n.a.	W26
T 27	5 51 1	28°48'10	27° 7	15°54	9°25	20°33	20° 9	29°14	29°35	19°12	4°26	9°36	8°49	25°54	n.a.	T 27
F 28	5 54 58	29°49'09	11♏39	16°10	10°40	20°57	20°10	29°16	29°36	19°13	4°28	9°38	8°46	26° 1	n.a.	F 28
S 29	5 58 54	0♑50'06	26°25	16°R15	11°55	21°21	20°11	29°17	29°37	19°14	4°29	9°39	8°43	26° 7	n.a.	S 29
S 30	6 2 51	1°51'03	11♐21	16° 9	13°10	21°44	20°12	29°19	29°37	19°15	4°30	9°R39	8°40	26°14	n.a.	S 30
M31	6 6 47	2♑51'58	26♐20	15♑51	14♐25	22♍ 8	20♈14	29♍21	29♓38	19♎16	4♒32	9♐38	8♐37	26♉21	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s55	19s20	1s57	24s18	2s 2	12s48	1n18	10n23	2n 8	7n 9	1s13	3n 7	2n27	0s46	0s41	5s34	1n58	32s28	13s22	22s13	22s17	20n16		n.a.
S 2	21 7	21 41	0 36	24 34	2 4	13 14	1 16	10 13	2 9	7 8	1 13	3 5	2 28	0 47	0 41	5 35	1 58	32 28	13 21	22 13	22 17	20 16		n.a.
M 3	21 19	22 27	0n49	24 48	2 5	13 40	1 14	10 2	2 10	7 6	1 13	3 4	2 28	0 47	0 41	5 36	1 58	32 27	13 21	22 13	22 17	20 17		n.a.
T 4	21 30	21 36	2 8	25 1	2 6	14 6	1 12	9 51	2 11	7 5	1 12	3 2	2 28	0 47	0 41	5 36	1 58	32 27	13 21	22 13	22 16	20 18		n.a.
W 5	21 41	19 17	3 17	25 12	2 6	14 31	1 10	9 41	2 12	7 4	1 12	3 1	2 28	0 47	0 41	5 37	1 58	32 26	13 21	22 13	22 16	20 19		n.a.
T 6	21 51	15 51	4 13	25 21	2 6	14 57	1 7	9 31	2 13	7 3	1 12	3 0	2 29	0 47	0 41	5 38	1 58	32 26	13 21	22 13	22 15	20 20		n.a.
F 7	22 1	11 40	4 51	25 29	2 5	15 21	1 5	9 20	2 13	7 2	1 11	2 58	2 29	0 48	0 41	5 38	1 58	32 25	13 20	22 13	22 15	20 21		n.a.
S 8	22 11	7 3	5 13	25 34	2 4	15 45	1 3	9 10	2 14	7 1	1 11	2 57	2 29	0 48	0 41	5 39	1 58	32 25	13 20	22 13	22 14	20 22		n.a.
S 9	22 20	2 16	5 18	25 38	2 2	16 9	1 1	9 0	2 15	7 0	1 11	2 56	2 29	0 48	0 41	5 39	1 58	32 24	13 20	22 13	22 14	20 23		n.a.
M10	22 29	2n29	5 8	25 40	2 0	16 33	0 59	8 49	2 16	7 0	1 10	2 55	2 30	0 48	0 41	5 40	1 58	32 24	13 20	22 13	22 13	20 23		n.a.
T 11	22 37	7 2	4 44	25 41	1 57	16 56	0 56	8 39	2 17	6 59	1 10	2 53	2 30	0 48	0 40	5 40	1 58	32 23	13 19	22 13	22 13	20 24		n.a.
W12	22 45	11 15	4 7	25 39	1 53	17 18	0 54	8 29	2 18	6 58	1 10	2 52	2 30	0 48	0 40	5 41	1 58	32 23	13 19	22 13	22 12	20 25		n.a.
T 13	22 52	14 59	3 21	25 35	1 49	17 40	0 52	8 19	2 18	6 58	1 10	2 51	2 30	0 48	0 40	5 41	1 58	32 22	13 19	22 13	22 12	20 26		n.a.
F 14	22 59	18 6	2 26	25 29	1 43	18 2	0 49	8 9	2 19	6 57	1 9	2 50	2 31	0 48	0 40	5 42	1 58	32 22	13 19	22 13	22 11	20 27		n.a.
S 15	23 5	20 28	1 25	25 22	1 37	18 23	0 47	7 59	2 20	6 57	1 9	2 49	2 31	0 48	0 40	5 42	1 58	32 21	13 19	22 13	22 11	20 28		n.a.
S 16	23 11	21 57	0 20	25 12	1 30	18 44	0 44	7 49	2 21	6 57	1 9	2 48	2 31	0 48	0 40	5 43	1 58	32 21	13 18	22 13	22 10	20 29		n.a.
M17	23 17	22 28	0s45	25 1	1 23	19 4	0 42	7 39	2 22	6 56	1 8	2 47	2 31	0 48	0 40	5 43	1 58	32 20	13 18	22 13	22 10	20 29		n.a.
T 18	23 22	21 57	1 50	24 48	1 14	19 23	0 39	7 30	2 23	6 56	1 8	2 46	2 32	0 48	0 40	5 44	1 58	32 20	13 18	22 13	22 9	20 30		n.a.
W19	23 26	20 24	2 50	24 33	1 4	19 43	0 37	7 20	2 24	6 56	1 8	2 45	2 32	0 48	0 40	5 44	1 59	32 19	13 18	22 13	22 9	20 31		n.a.
T 20	23 31	17 54	3 43	24 17	0 53	20 1	0 34	7 11	2 25	6 56	1 7	2 44	2 32	0 48	0 40	5 45	1 59	32 19	13 18	22 13	22 8	20 32		n.a.
F 21	23 34	14 33	4 26	23 59	0 41	20 19	0 32	7 1	2 25	6 56	1 7	2 44	2 32	0 48	0 40	5 45	1 59	32 18	13 17	22 13	22 8	20 33		n.a.
S 22	23 37	10 30	4 57	23 41	0 29	20 36	0 29	6 52	2 26	6 57	1 7	2 43	2 33	0 48	0 40	5 45	1 59	32 18	13 17	22 12	22 7	20 33		n.a.
S 23	23 40	5 55	5 14	23 21	0 15	20 53	0 27	6 42	2 27	6 57	1 6	2 42	2 33	0 47	0 40	5 46	1 59	32 17	13 17	22 12	22 7	20 34		n.a.
M24	23 42	0 57	5 15	23 1	0 0	21 9	0 24	6 33	2 28	6 57	1 6	2 41	2 33	0 47	0 40	5 46	1 59	32 17	13 17	22 12	22 6	20 35		n.a.
T 25	23 44	4s10	4 59	22 40	0n16	21 25	0 22	6 24	2 29	6 58	1 6	2 41	2 34	0 47	0 40	5 47	1 59	32 16	13 17	22 12	22 6	20 36		n.a.
W26	23 45	9 13	4 25	22 20	0 32	21 40	0 19	6 15	2 30	6 58	1 5	2 40	2 34	0 47	0 40	5 47	1 59	32 16	13 17	22 12	22 5	20 37		n.a.
T 27	23 46	13 55	3 34	22 0	0 49	21 54	0 17	6 6	2 31	6 59	1 5	2 40	2 34	0 46	0 40	5 47	1 59	32 15	13 16	22 12	22 5	20 37		n.a.
F 28	23 46	17 54	2 29	21 40	1 7	22 8	0 14	5 57	2 32	6 59	1 5	2 39	2 34	0 46	0 40	5 48	1 59	32 15	13 16	22 12	22 4	20 38		n.a.
S 29	23 46	20 48	1 13	21 22	1 25	22 21	0 11	5 49	2 33	7 0	1 5	2 39	2 35	0 46	0 40	5 48	1 59	32 14	13 16	22 12	22 4	20 39		n.a.
S 30	23 46	22 18	0n 9	21 4	1 43	22 33	0 9	5 40	2 34	7 1	1 4	2 38	2 35	0 45	0 40	5 48	1 59	32 14	13 16	22 13	22 3	20 40		n.a.
M31	23s45	22s13	1n31	20s48	2n 2	22s45	0n 6	5n32	2n35	7n 2	1s 4	2n38	2n35	0s45	0s40	5s49	1n59	32s13	13s16	22s12	22s 3	20n40		n.a.

Julian Day Number = 1477039.5, Delta T = 05h25m58s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'51, Lahiri = -13°11'51 Julian Calendar 1 Dec. 670 BCE == Greg. Calendar 24 Nov. 670 BCE

The year -669 astronomical counting style corresponds to year 670 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

JANUARY 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 10 44	3♑52'52	11♑12	15°R23	15♐40	22♍31	20♈16	29♍22	29♓39	19♎17	4♒33	9°R36	8♐34	26♉27	n.a.	T 1
W 2	6 14 40	4°53'45	25°50	14♑44	16°55	22°53	20°18	29°23	29°40	19°18	4°35	9♐33	8°30	26°34	n.a.	W 2
T 3	6 18 37	5°54'36	10♒ 8	13°56	18°10	23°16	20°20	29°25	29°41	19°19	4°36	9°29	8°27	26°41	n.a.	T 3
F 4	6 22 34	6°55'25	23°59	13° 0	19°25	23°38	20°22	29°26	29°42	19°20	4°38	9°25	8°24	26°47	n.a.	F 4
S 5	6 26 30	7°56'13	7♓24	11°57	20°40	24° 0	20°25	29°27	29°43	19°21	4°39	9°21	8°21	26°54	n.a.	S 5
S 6	6 30 27	8°56'59	20°23	10°49	21°54	24°21	20°27	29°28	29°44	19°21	4°41	9°19	8°18	27° 1	n.a.	S 6
M 7	6 34 23	9°57'44	2♈58	9°39	23° 9	24°42	20°30	29°29	29°45	19°22	4°42	9°17	8°14	27° 7	n.a.	M 7
T 8	6 38 20	10°58'26	15°14	8°28	24°24	25° 3	20°33	29°30	29°46	19°23	4°44	9°D17	8°11	27°14	n.a.	T 8
W 9	6 42 16	11°59'07	27°15	7°18	25°39	25°23	20°37	29°30	29°47	19°23	4°45	9°18	8° 8	27°21	n.a.	W 9
T 10	6 46 13	12°59'45	9♉ 7	6°11	26°54	25°43	20°40	29°31	29°49	19°24	4°47	9°20	8° 5	27°27	n.a.	T 10
F 11	6 50 9	14° 0'22	20°54	5° 8	28° 9	26° 3	20°44	29°31	29°50	19°25	4°48	9°21	8° 2	27°34	n.a.	F 11
S 12	6 54 6	15° 0'58	2♊41	4°11	29°24	26°22	20°48	29°32	29°51	19°25	4°50	9°23	7°59	27°41	n.a.	S 12
S 13	6 58 3	16° 1'31	14°33	3°20	0♑38	26°41	20°52	29°32	29°53	19°26	4°51	9°R23	7°55	27°47	n.a.	S 13
M14	7 1 59	17° 2'03	26°31	2°36	1°53	26°59	20°56	29°32	29°54	19°26	4°53	9°21	7°52	27°54	n.a.	M14
T 15	7 5 56	18° 2'32	8♋40	2° 0	3° 8	27°17	21° 1	29°R32	29°56	19°27	4°54	9°18	7°49	28° 1	n.a.	T 15
W16	7 9 52	19° 3'00	21° 0	1°32	4°23	27°35	21° 5	29°32	29°57	19°27	4°56	9°12	7°46	28° 7	n.a.	W16
T 17	7 13 49	20° 3'26	3♌33	1°11	5°38	27°52	21°10	29°32	29°59	19°27	4°58	9° 6	7°43	28°14	n.a.	T 17
F 18	7 17 45	21° 3'51	16°20	0°58	6°52	28° 9	21°15	29°32	0♈ 1	19°28	4°59	8°58	7°40	28°20	n.a.	F 18
S 19	7 21 42	22° 4'14	29°18	0°D52	8° 7	28°25	21°20	29°31	0° 2	19°28	5° 1	8°50	7°36	28°27	n.a.	S 19
S 20	7 25 38	23° 4'35	12♍30	0°52	9°22	28°41	21°25	29°31	0° 4	19°28	5° 2	8°43	7°33	28°34	n.a.	S 20
M21	7 29 35	24° 4'54	25°54	1° 0	10°37	28°56	21°31	29°30	0° 6	19°29	5° 4	8°38	7°30	28°40	n.a.	M21
T 22	7 33 32	25° 5'12	9♎30	1°14	11°51	29°11	21°37	29°30	0° 8	19°29	5° 5	8°35	7°27	28°47	n.a.	T 22
W23	7 37 28	26° 5'28	23°19	1°33	13° 6	29°26	21°42	29°29	0° 9	19°29	5° 7	8°D34	7°24	28°54	n.a.	W23
T 24	7 41 25	27° 5'43	7♏20	1°58	14°21	29°40	21°48	29°28	0°11	19°29	5° 9	8°34	7°20	29° 0	n.a.	T 24
F 25	7 45 21	28° 5'56	21°32	2°28	15°35	29°53	21°54	29°27	0°13	19°29	5°10	8°35	7°17	29° 7	n.a.	F 25
S 26	7 49 18	29° 6'07	5♐55	3° 2	16°50	0♎ 6	22° 1	29°26	0°15	19°29	5°12	8°R36	7°14	29°14	n.a.	S 26
S 27	7 53 14	0♒ 6'17	20°25	3°41	18° 5	0°19	22° 7	29°25	0°17	19°29	5°14	8°35	7°11	29°20	n.a.	S 27
M28	7 57 11	1° 6'25	4♑59	4°24	19°19	0°30	22°14	29°24	0°20	19°R29	5°15	8°33	7° 8	29°27	n.a.	M28
T 29	8 1 7	2° 6'31	19°31	5°10	20°34	0°42	22°21	29°22	0°22	19°29	5°17	8°27	7° 5	29°34	n.a.	T 29
W30	8 5 4	3° 6'36	3♒54	6° 0	21°49	0°53	22°28	29°21	0°24	19°29	5°18	8°20	7° 1	29°40	n.a.	W30
T 31	8 9 1	4♒ 6'38	18♒ 2	6♑54	23♑ 3	1♎ 3	22♈35	29♍19	0♈26	19♎29	5♒20	8♐11	6♐58	29♉47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23 s43	20 s33	2n45	20 s34	2n19	22 s56	0n 4	5n23	2n36	7n 3	1 s 4	2n38	2n35	0 s45	0 s40	5 s49	1n59	32 s13	13 s16	22 s12	22 s 2	20n41			n.a.
W 2	23 41	17 33	3 48	20 22	2 36	23 6	0 1	5 15	2 36	7 4	1 3	2 37	2 36	0 44	0 40	5 49	1 59	32 12	13 16	22 12	22 2	20 42			n.a.
T 3	23 38	13 33	4 34	20 11	2 52	23 16	0 s 1	5 7	2 37	7 5	1 3	2 37	2 36	0 44	0 40	5 49	1 59	32 12	13 15	22 11	22 1	20 43			n.a.
F 4	23 35	8 57	5 3	20 3	3 6	23 25	0 4	4 59	2 38	7 6	1 3	2 37	2 36	0 44	0 40	5 50	2 0	32 11	13 15	22 10	22 1	20 43			n.a.
S 5	23 32	4 4	5 14	19 56	3 18	23 33	0 6	4 51	2 39	7 7	1 2	2 37	2 37	0 43	0 40	5 50	2 0	32 11	13 15	22 10	22 0	20 44			n.a.
S 6	23 28	0n51	5 8	19 52	3 29	23 40	0 9	4 43	2 40	7 9	1 2	2 36	2 37	0 43	0 39	5 50	2 0	32 10	13 15	22 9	22 0	20 45			n.a.
M 7	23 24	5 35	4 48	19 49	3 37	23 47	0 11	4 36	2 41	7 10	1 2	2 36	2 37	0 42	0 39	5 50	2 0	32 10	13 15	22 9	21 59	20 45			n.a.
T 8	23 19	9 59	4 15	19 48	3 42	23 53	0 14	4 28	2 42	7 12	1 1	2 36	2 37	0 42	0 39	5 51	2 0	32 9	13 15	22 9	21 59	20 46			n.a.
W 9	23 14	13 54	3 31	19 49	3 46	23 58	0 16	4 21	2 43	7 13	1 1	2 36	2 38	0 41	0 39	5 51	2 0	32 9	13 15	22 9	21 58	20 47			n.a.
T 10	23 8	17 14	2 38	19 51	3 47	24 3	0 19	4 14	2 44	7 15	1 1	2 36	2 38	0 41	0 39	5 51	2 0	32 8	13 15	22 10	21 58	20 48			n.a.
F 11	23 2	19 50	1 39	19 55	3 46	24 7	0 21	4 7	2 45	7 16	1 1	2 36	2 38	0 40	0 39	5 51	2 0	32 8	13 15	22 10	21 57	20 48			n.a.
S 12	22 55	21 35	0 37	20 0	3 43	24 10	0 23	4 0	2 46	7 18	1 0	2 36	2 38	0 39	0 39	5 51	2 0	32 7	13 15	22 10	21 57	20 49			n.a.
S 13	22 48	22 24	0 s28	20 6	3 38	24 12	0 26	3 53	2 47	7 20	1 0	2 37	2 39	0 39	0 39	5 51	2 0	32 7	13 15	22 10	21 56	20 50			n.a.
M14	22 40	22 12	1 32	20 14	3 31	24 14	0 28	3 47	2 48	7 22	1 0	2 37	2 39	0 38	0 39	5 52	2 0	32 7	13 14	22 10	21 56	20 50			n.a.
T 15	22 32	20 57	2 33	20 22	3 23	24 15	0 30	3 40	2 49	7 24	0 59	2 37	2 39	0 38	0 39	5 52	2 0	32 6	13 14	22 9	21 55	20 51			n.a.
W16	22 24	18 42	3 27	20 32	3 14	24 15	0 33	3 34	2 50	7 26	0 59	2 37	2 40	0 37	0 39	5 52	2 0	32 6	13 14	22 8	21 55	20 52			n.a.
T 17	22 15	15 33	4 12	20 42	3 4	24 14	0 35	3 28	2 51	7 28	0 59	2 38	2 40	0 36	0 39	5 52	2 0	32 5	13 14	22 7	21 54	20 52			n.a.
F 18	22 6	11 38	4 45	20 53	2 53	24 13	0 37	3 22	2 52	7 30	0 58	2 38	2 40	0 35	0 39	5 52	2 0	32 5	13 14	22 6	21 54	20 53			n.a.
S 19	21 56	7 7	5 5	21 4	2 42	24 11	0 39	3 16	2 53	7 32	0 58	2 38	2 40	0 35	0 39	5 52	2 1	32 4	13 14	22 5	21 53	20 54			n.a.
S 20	21 46	2 13	5 8	21 16	2 31	24 8	0 41	3 11	2 54	7 35	0 58	2 39	2 41	0 34	0 39	5 52	2 1	32 4	13 14	22 4	21 53	20 54			n.a.
M21	21 36	2 s51	4 55	21 28	2 19	24 4	0 44	3 5	2 55	7 37	0 58	2 39	2 41	0 33	0 39	5 52	2 1	32 3	13 14	22 3	21 52	20 55			n.a.
T 22	21 25	7 52	4 25	21 39	2 7	24 0	0 46	3 0	2 56	7 39	0 57	2 40	2 41	0 33	0 39	5 52	2 1	32 3	13 14	22 3	21 51	20 56			n.a.
W23	21 14	12 35	3 40	21 51	1 55	23 55	0 48	2 55	2 57	7 42	0 57	2 40	2 42	0 32	0 39	5 52	2 1	32 2	13 14	22 2	21 51	20 56			n.a.
T 24	21 2	16 41	2 41	22 3	1 42	23 49	0 50	2 51	2 58	7 44	0 57	2 41	2 42	0 31	0 39	5 52	2 1	32 2	13 14	22 2	21 50	20 57			n.a.
F 25	20 50	19 52	1 31	22 15	1 30	23 42	0 51	2 46	2 58	7 47	0 56	2 42	2 42	0 30	0 39	5 52	2 1	32 2	13 14	22 3	21 50	20 57			n.a.
S 26	20 37	21 50	0 14	22 26	1 18	23 35	0 53	2 42	2 59	7 49	0 56	2 42	2 42	0 29	0 39	5 52	2 1	32 1	13 14	22 3	21 49	20 58			n.a.
S 27	20 25	22 22	1n 3	22 37	1 7	23 27	0 55	2 38	3 0	7 52	0 56	2 43	2 43	0 28	0 39	5 52	2 1	32 1	13 14	22 3	21 49	20 59			n.a.
M28	20 12	21 24	2 17	22 47	0 55	23 18	0 57	2 34	3 1	7 55	0 56	2 44	2 43	0 28	0 39	5 52	2 1	32 0	13 14	22 2	21 48	20 59			n.a.
T 29	19 58	19 0	3 22	22 57	0 44	23 9	0 59	2 30	3 2	7 58	0 55	2 44	2 43	0 27	0 39	5 52	2 1	32 0	13 14	22 1	21 48	21 0			n.a.
W30	19 44	15 27	4 13	23 5	0 33	22 58	1 0	2 26	3 3	8 1	0 55	2 45	2 43	0 26	0 39	5 52	2 1	31 59	13 14	22 0	21 47	21 0			n.a.
T 31	19 s30	11 s 5	4n47	23 s14	0n22	22 s48	1 s 2	2n23	3n 4	8n 3	0 s55	2n46	2n44	0 s25	0 s39	5 s52	2n 1	31 s59	13 s14	21 s59	21 s47	21n 1			n.a.

Julian Day Number = 1477070.5, Delta T = 05h25m57s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'47, Lahiri = -13°11'46 Julian Calendar 1 Jan. 669 BCE == Greg. Calendar 25 Dec. 670 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

FEBRUARY 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 12 57	5♒ 6'38	1♓50	7♑50	24♑18	1♎12	22♈42	29°R18	0♈28	19°R29	5♒22	8°R 1	6♐55	29♉54	n.a.	F 1
S 2	8 16 54	6° 6'36	15°15	8°49	25°33	1°21	22°49	29♍16	0°31	19♎29	5°23	7♐51	6°52	0♊ 0	n.a.	S 2
S 3	8 20 50	7° 6'31	28°16	9°51	26°47	1°30	22°57	29°14	0°33	19°29	5°25	7°43	6°49	0° 7	n.a.	S 3
M 4	8 24 47	8° 6'24	10♈54	10°55	28° 2	1°37	23° 5	29°12	0°35	19°29	5°27	7°38	6°45	0°13	n.a.	M 4
T 5	8 28 43	9° 6'15	23°13	12° 2	29°17	1°44	23°12	29°10	0°38	19°28	5°28	7°34	6°42	0°20	n.a.	T 5
W 6	8 32 40	10° 6'04	5♉16	13°10	0♒31	1°51	23°20	29° 8	0°40	19°28	5°30	7°D33	6°39	0°27	n.a.	W 6
T 7	8 36 36	11° 5'50	17° 9	14°21	1°46	1°57	23°28	29° 6	0°43	19°28	5°31	7°33	6°36	0°33	n.a.	T 7
F 8	8 40 33	12° 5'34	28°57	15°34	3° 0	2° 2	23°37	29° 3	0°45	19°27	5°33	7°33	6°33	0°40	n.a.	F 8
S 9	8 44 29	13° 5'15	10♊45	16°49	4°15	2° 6	23°45	29° 1	0°48	19°27	5°35	7°R33	6°30	0°47	n.a.	S 9
S 10	8 48 26	14° 4'55	22°39	18° 5	5°29	2°10	23°53	28°59	0°50	19°27	5°36	7°32	6°26	0°53	n.a.	S 10
M11	8 52 23	15° 4'32	4♋43	19°23	6°44	2°13	24° 2	28°56	0°53	19°26	5°38	7°29	6°23	1° 0	n.a.	M11
T 12	8 56 19	16° 4'06	17° 1	20°43	7°58	2°16	24°11	28°53	0°55	19°26	5°39	7°23	6°20	1° 7	n.a.	T 12
W13	9 0 16	17° 3'38	29°34	22° 5	9°13	2°17	24°20	28°51	0°58	19°25	5°41	7°14	6°17	1°13	n.a.	W13
T 14	9 4 12	18° 3'08	12♌25	23°28	10°27	2°18	24°29	28°48	1° 1	19°25	5°43	7° 3	6°14	1°20	n.a.	T 14
F 15	9 8 9	19° 2'36	25°33	24°53	11°42	2°R19	24°38	28°45	1° 4	19°24	5°44	6°51	6°11	1°27	n.a.	F 15
S 16	9 12 5	20° 2'02	8♍56	26°19	12°56	2°18	24°47	28°42	1° 6	19°23	5°46	6°39	6° 7	1°33	n.a.	S 16
S 17	9 16 2	21° 1'25	22°32	27°46	14°10	2°17	24°56	28°39	1° 9	19°23	5°47	6°28	6° 4	1°40	n.a.	S 17
M18	9 19 58	22° 0'47	6♎18	29°15	15°25	2°15	25° 6	28°36	1°12	19°22	5°49	6°19	6° 1	1°47	n.a.	M18
T 19	9 23 55	23° 0'06	20°12	0♒46	16°39	2°13	25°16	28°33	1°15	19°21	5°51	6°13	5°58	1°53	n.a.	T 19
W20	9 27 51	23°59'24	4♏10	2°18	17°54	2° 9	25°25	28°30	1°18	19°21	5°52	6°10	5°55	2° 0	n.a.	W20
T 21	9 31 48	24°58'40	18°13	3°51	19° 8	2° 5	25°35	28°26	1°21	19°20	5°54	6° 8	5°51	2° 6	n.a.	T 21
F 22	9 35 45	25°57'54	2♐19	5°26	20°22	2° 0	25°45	28°23	1°23	19°19	5°55	6° 8	5°48	2°13	n.a.	F 22
S 23	9 39 41	26°57'06	16°26	7° 2	21°37	1°54	25°55	28°19	1°26	19°18	5°57	6° 8	5°45	2°20	n.a.	S 23
S 24	9 43 38	27°56'16	0♑35	8°40	22°51	1°48	26° 5	28°16	1°29	19°18	5°58	6° 7	5°42	2°26	n.a.	S 24
M25	9 47 34	28°55'25	14°44	10°19	24° 6	1°40	26°15	28°12	1°32	19°17	6° 0	6° 2	5°39	2°33	n.a.	M25
T 26	9 51 31	29°54'31	28°48	11°59	25°20	1°32	26°26	28° 9	1°35	19°16	6° 1	5°55	5°36	2°40	n.a.	T 26
W27	9 55 27	0♓53'36	12♒46	13°41	26°34	1°23	26°36	28° 5	1°39	19°15	6° 3	5°46	5°32	2°46	n.a.	W27
T 28	9 59 24	1°52'38	26°32	15°24	27°48	1°14	26°47	28° 1	1°42	19°14	6° 4	5°34	5°29	2°53	n.a.	T 28
F 29	10 3 20	2♓51'38	10♓ 4	17♒ 8	29♒ 3	1♎ 3	26♈57	27♍57	1♈45	19♎13	6♒ 6	5♐21	5♐26	3♊ 0	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s15	6s15	5n 4	23s21	0n11	22s36	1s 4	2n20	3n 5	8n 6	0s55	2n47	2n44	0s24	0s39	5s52	2n 1	31s59	13s14	21s57	21s46	21n 2		n.a.
S 2	19 0	1 15	5 3	23 27	0 1	22 24	1 5	2 17	3 6	8 9	0 54	2 48	2 44	0 23	0 39	5 51	2 1	31 58	13 14	21 56	21 46	21 2		n.a.
S 3	18 45	3n40	4 46	23 33	0s 9	22 11	1 7	2 15	3 7	8 12	0 54	2 49	2 44	0 22	0 38	5 51	2 2	31 58	13 14	21 54	21 45	21 3		n.a.
M 4	18 30	8 17	4 16	23 37	0 18	21 57	1 8	2 12	3 7	8 16	0 54	2 50	2 45	0 21	0 38	5 51	2 2	31 57	13 14	21 53	21 45	21 3		n.a.
T 5	18 14	12 27	3 34	23 41	0 27	21 43	1 10	2 10	3 8	8 19	0 54	2 51	2 45	0 20	0 38	5 51	2 2	31 57	13 14	21 53	21 44	21 4		n.a.
W 6	17 58	16 2	2 44	23 43	0 36	21 28	1 11	2 8	3 9	8 22	0 53	2 52	2 45	0 19	0 38	5 51	2 2	31 57	13 14	21 52	21 43	21 4		n.a.
T 7	17 41	18 54	1 47	23 44	0 45	21 13	1 12	2 7	3 10	8 25	0 53	2 53	2 45	0 18	0 38	5 51	2 2	31 56	13 14	21 52	21 43	21 5		n.a.
F 8	17 24	20 57	0 46	23 44	0 53	20 57	1 13	2 5	3 11	8 29	0 53	2 54	2 46	0 17	0 38	5 50	2 2	31 56	13 14	21 53	21 42	21 6		n.a.
S 9	17 7	22 5	0s17	23 42	1 1	20 40	1 15	2 4	3 11	8 32	0 53	2 55	2 46	0 16	0 38	5 50	2 2	31 55	13 15	21 53	21 42	21 6		n.a.
S 10	16 50	22 14	1 20	23 40	1 8	20 23	1 16	2 3	3 12	8 35	0 52	2 57	2 46	0 15	0 38	5 50	2 2	31 55	13 15	21 52	21 41	21 7		n.a.
M11	16 32	21 22	2 19	23 36	1 15	20 5	1 17	2 3	3 13	8 39	0 52	2 58	2 46	0 14	0 38	5 50	2 2	31 55	13 15	21 52	21 41	21 7		n.a.
T 12	16 15	19 28	3 14	23 30	1 22	19 47	1 18	2 2	3 14	8 42	0 52	2 59	2 46	0 13	0 38	5 50	2 2	31 54	13 15	21 51	21 40	21 8		n.a.
W13	15 56	16 37	4 0	23 23	1 28	19 28	1 19	2 2	3 14	8 46	0 52	3 0	2 47	0 12	0 38	5 49	2 2	31 54	13 15	21 49	21 40	21 8		n.a.
T 14	15 38	12 55	4 35	23 15	1 34	19 8	1 20	2 3	3 15	8 49	0 51	3 2	2 47	0 10	0 38	5 49	2 2	31 54	13 15	21 48	21 39	21 9		n.a.
F 15	15 19	8 33	4 56	23 5	1 40	18 48	1 20	2 3	3 15	8 53	0 51	3 3	2 47	0 9	0 38	5 49	2 2	31 53	13 15	21 46	21 38	21 9		n.a.
S 16	15 0	3 41	5 1	22 54	1 45	18 28	1 21	2 4	3 16	8 57	0 51	3 4	2 47	0 8	0 38	5 48	2 2	31 53	13 15	21 43	21 38	21 10		n.a.
S 17	14 41	1s26	4 50	22 41	1 50	18 7	1 22	2 5	3 17	9 0	0 51	3 6	2 47	0 7	0 38	5 48	2 2	31 53	13 15	21 42	21 37	21 10		n.a.
M18	14 22	6 32	4 22	22 27	1 54	17 45	1 22	2 6	3 17	9 4	0 50	3 7	2 48	0 6	0 38	5 48	2 2	31 52	13 15	21 40	21 37	21 11		n.a.
T 19	14 2	11 21	3 38	22 11	1 58	17 23	1 23	2 7	3 18	9 8	0 50	3 9	2 48	0 5	0 38	5 48	2 3	31 52	13 16	21 39	21 36	21 11		n.a.
W20	13 43	15 36	2 41	21 54	2 2	17 0	1 24	2 9	3 18	9 11	0 50	3 10	2 48	0 3	0 38	5 47	2 3	31 52	13 16	21 38	21 36	21 12		n.a.
T 21	13 23	18 59	1 33	21 35	2 5	16 37	1 24	2 11	3 18	9 15	0 50	3 12	2 48	0 2	0 38	5 47	2 3	31 52	13 16	21 38	21 35	21 12		n.a.
F 22	13 2	21 15	0 20	21 14	2 7	16 14	1 24	2 14	3 19	9 19	0 50	3 13	2 48	0 1	0 38	5 47	2 3	31 51	13 16	21 38	21 35	21 13		n.a.
S 23	12 42	22 10	0n54	20 51	2 9	15 50	1 25	2 16	3 19	9 23	0 49	3 15	2 49	0n 0	0 38	5 46	2 3	31 51	13 16	21 38	21 34	21 13		n.a.
S 24	12 21	21 41	2 6	20 27	2 11	15 25	1 25	2 19	3 19	9 27	0 49	3 16	2 49	0 1	0 38	5 46	2 3	31 51	13 16	21 38	21 33	21 14		n.a.
M25	12 1	19 49	3 9	20 1	2 12	15 1	1 25	2 22	3 19	9 31	0 49	3 18	2 49	0 3	0 38	5 45	2 3	31 50	13 16	21 37	21 33	21 14		n.a.
T 26	11 40	16 46	4 0	19 34	2 13	14 36	1 25	2 25	3 20	9 35	0 49	3 20	2 49	0 4	0 38	5 45	2 3	31 50	13 17	21 36	21 32	21 15		n.a.
W27	11 19	12 47	4 37	19 5	2 13	14 10	1 25	2 29	3 20	9 39	0 48	3 21	2 49	0 5	0 38	5 45	2 3	31 50	13 17	21 34	21 32	21 15		n.a.
T 28	10 57	8 12	4 57	18 34	2 13	13 44	1 25	2 33	3 20	9 43	0 48	3 23	2 49	0 6	0 38	5 44	2 3	31 50	13 17	21 32	21 31	21 15		n.a.
F 29	10s36	3s17	4n59	18s 1	2s13	13s18	1s25	2n37	3n20	9n47	0s48	3n25	2n50	0n 8	0s38	5s44	2n 3	31s49	13s17	21s30	21s31	21n16		n.a.

Julian Day Number = 1477101.5, Delta T = 05h25m55s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'43, Lahiri = -13°11'42 Julian Calendar 1 Feb. 669 BCE == Greg. Calendar 25 Jan. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

MARCH 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 7 17	3♓50'36	23♓17	18♒54	0♓17	0°R52	27♈ 8	27°R53	1♈48	19°R12	6♒ 7	5°R 8	5♐23	3♊ 6	n.a.	S 1
S 2	10 11 14	4°49'32	6♈11	20°42	1°31	0♎40	27°19	27♍50	1°51	19♎11	6° 9	4♐57	5°20	3°13	n.a.	S 2
M 3	10 15 10	5°48'25	18°45	22°30	2°46	0°27	27°30	27°46	1°54	19°10	6°10	4°49	5°17	3°20	n.a.	M 3
T 4	10 19 7	6°47'16	1♉ 2	24°21	4° 0	0°14	27°41	27°42	1°57	19° 9	6°12	4°43	5°13	3°26	n.a.	T 4
W 5	10 23 3	7°46'05	13° 5	26°13	5°14	0° 0	27°52	27°37	2° 1	19° 8	6°13	4°39	5°10	3°33	n.a.	W 5
T 6	10 27 0	8°44'52	24°58	28° 6	6°28	29♍45	28° 3	27°33	2° 4	19° 7	6°14	4°38	5° 7	3°39	n.a.	T 6
F 7	10 30 56	9°43'36	6♊47	0♓ 1	7°42	29°30	28°15	27°29	2° 7	19° 5	6°16	4°38	5° 4	3°46	n.a.	F 7
S 8	10 34 53	10°42'18	18°36	1°57	8°57	29°14	28°26	27°25	2°10	19° 4	6°17	4°38	5° 1	3°53	n.a.	S 8
S 9	10 38 49	11°40'57	0♋31	3°54	10°11	28°57	28°37	27°21	2°13	19° 3	6°19	4°36	4°57	3°59	n.a.	S 9
M10	10 42 46	12°39'35	12°38	5°53	11°25	28°40	28°49	27°16	2°17	19° 2	6°20	4°33	4°54	4° 6	n.a.	M10
T 11	10 46 42	13°38'10	25° 0	7°54	12°39	28°22	29° 0	27°12	2°20	19° 1	6°21	4°28	4°51	4°13	n.a.	T 11
W12	10 50 39	14°36'42	7♌43	9°55	13°53	28° 4	29°12	27° 8	2°23	18°59	6°23	4°19	4°48	4°19	n.a.	W12
T 13	10 54 36	15°35'13	20°46	11°58	15° 7	27°45	29°24	27° 4	2°27	18°58	6°24	4° 9	4°45	4°26	n.a.	T 13
F 14	10 58 32	16°33'41	4♍12	14° 2	16°21	27°26	29°36	26°59	2°30	18°57	6°25	3°57	4°42	4°33	n.a.	F 14
S 15	11 2 29	17°32'07	17°57	16° 8	17°35	27° 6	29°48	26°55	2°33	18°56	6°27	3°46	4°38	4°39	n.a.	S 15
S 16	11 6 25	18°30'31	1♎58	18°14	18°50	26°46	29°59	26°50	2°37	18°54	6°28	3°35	4°35	4°46	n.a.	S 16
M17	11 10 22	19°28'53	16°10	20°20	20° 4	26°25	0♉12	26°46	2°40	18°53	6°29	3°26	4°32	4°53	n.a.	M17
T 18	11 14 18	20°27'14	0♏28	22°28	21°18	26° 4	0°24	26°41	2°44	18°52	6°30	3°20	4°29	4°59	n.a.	T 18
W19	11 18 15	21°25'32	14°48	24°36	22°32	25°43	0°36	26°37	2°47	18°50	6°32	3°16	4°26	5° 6	n.a.	W19
T 20	11 22 11	22°23'49	29° 5	26°44	23°46	25°21	0°48	26°32	2°50	18°49	6°33	3°D15	4°22	5°13	n.a.	T 20
F 21	11 26 8	23°22'05	13♐18	28°51	25° 0	25° 0	1° 0	26°28	2°54	18°47	6°34	3°15	4°19	5°19	n.a.	F 21
S 22	11 30 5	24°20'19	27°24	0♈59	26°14	24°38	1°13	26°23	2°57	18°46	6°35	3°R15	4°16	5°26	n.a.	S 22
S 23	11 34 1	25°18'31	11♑22	3° 5	27°28	24°16	1°25	26°19	3° 1	18°44	6°36	3°14	4°13	5°32	n.a.	S 23
M24	11 37 58	26°16'42	25°13	5°11	28°42	23°54	1°38	26°14	3° 4	18°43	6°38	3°11	4°10	5°39	n.a.	M24
T 25	11 41 54	27°14'51	8♒55	7°15	29°56	23°32	1°50	26°10	3° 7	18°42	6°39	3° 6	4° 7	5°46	n.a.	T 25
W26	11 45 51	28°12'59	22°28	9°18	1♈10	23° 9	2° 3	26° 5	3°11	18°40	6°40	2°58	4° 3	5°52	n.a.	W26
T 27	11 49 47	29°11'04	5♓49	11°19	2°23	22°47	2°15	26° 1	3°14	18°39	6°41	2°48	4° 0	5°59	n.a.	T 27
F 28	11 53 44	0♈ 9'08	18°57	13°17	3°37	22°25	2°28	25°56	3°18	18°37	6°42	2°37	3°57	6° 6	n.a.	F 28
S 29	11 57 40	1° 7'11	1♈51	15°13	4°51	22° 4	2°41	25°52	3°21	18°36	6°43	2°26	3°54	6°12	n.a.	S 29
S 30	12 1 37	2° 5'11	14°30	17° 7	6° 5	21°42	2°54	25°47	3°25	18°34	6°44	2°17	3°51	6°19	n.a.	S 30
M31	12 5 33	3♈ 3'10	26♈54	18♈57	7♈19	21♍21	3♉ 6	25♍43	3♈28	18♎32	6♒45	2♐ 9	3♐48	6♊26	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s14	1n40	4n46	17s27	2s11	12s51	1s25	2n42	3n19	9n51	0s48	3n26	2n50	0n 9	0s38	5s43	2n 3	31s49	13s17	21s27	21s30	21n16		n.a.
S 2	9 52	6 25	4 18	16 50	2 10	12 24	1 25	2 46	3 19	9 55	0 48	3 28	2 50	0 10	0 38	5 43	2 3	31 49	13 17	21 25	21 29	21 17		n.a.
M 3	9 31	10 47	3 37	16 13	2 7	11 57	1 25	2 51	3 19	9 59	0 47	3 30	2 50	0 11	0 38	5 42	2 3	31 49	13 18	21 24	21 29	21 17		n.a.
T 4	9 9	14 37	2 48	15 33	2 5	11 29	1 24	2 56	3 19	10 4	0 47	3 31	2 50	0 13	0 38	5 42	2 3	31 49	13 18	21 23	21 28	21 18		n.a.
W 5	8 46	17 45	1 52	14 51	2 1	11 1	1 24	3 1	3 18	10 8	0 47	3 33	2 50	0 14	0 38	5 42	2 3	31 48	13 18	21 22	21 28	21 18		n.a.
T 6	8 24	20 6	0 51	14 8	1 58	10 33	1 24	3 7	3 18	10 12	0 47	3 35	2 50	0 15	0 38	5 41	2 3	31 48	13 18	21 22	21 27	21 18		n.a.
F 7	8 2	21 33	0s11	13 23	1 53	10 5	1 23	3 13	3 17	10 16	0 47	3 37	2 50	0 17	0 38	5 41	2 3	31 48	13 18	21 22	21 27	21 19		n.a.
S 8	7 39	22 3	1 13	12 37	1 48	9 36	1 22	3 19	3 17	10 21	0 46	3 39	2 51	0 18	0 38	5 40	2 3	31 48	13 19	21 22	21 26	21 19		n.a.
S 9	7 17	21 34	2 13	11 49	1 43	9 7	1 22	3 25	3 16	10 25	0 46	3 40	2 51	0 19	0 38	5 40	2 4	31 48	13 19	21 21	21 25	21 20		n.a.
M10	6 54	20 4	3 7	10 59	1 37	8 38	1 21	3 31	3 15	10 29	0 46	3 42	2 51	0 21	0 38	5 39	2 4	31 47	13 19	21 21	21 25	21 20		n.a.
T 11	6 31	17 36	3 54	10 7	1 31	8 8	1 20	3 37	3 14	10 34	0 46	3 44	2 51	0 22	0 38	5 39	2 4	31 47	13 19	21 20	21 24	21 20		n.a.
W12	6 8	14 15	4 30	9 15	1 24	7 39	1 20	3 44	3 13	10 38	0 46	3 46	2 51	0 23	0 38	5 38	2 4	31 47	13 19	21 18	21 24	21 21		n.a.
T 13	5 46	10 8	4 53	8 20	1 16	7 9	1 19	3 50	3 12	10 42	0 46	3 48	2 51	0 25	0 38	5 38	2 4	31 47	13 20	21 16	21 23	21 21		n.a.
F 14	5 23	5 26	5 1	7 24	1 8	6 39	1 18	3 57	3 11	10 47	0 45	3 49	2 51	0 26	0 38	5 37	2 4	31 47	13 20	21 14	21 22	21 22		n.a.
S 15	5 0	0 21	4 52	6 27	0 59	6 9	1 17	4 4	3 10	10 51	0 45	3 51	2 51	0 27	0 38	5 37	2 4	31 47	13 20	21 12	21 22	21 22		n.a.
S 16	4 36	4s50	4 26	5 29	0 50	5 38	1 16	4 11	3 9	10 55	0 45	3 53	2 51	0 29	0 38	5 36	2 4	31 47	13 20	21 10	21 21	21 22		n.a.
M17	4 13	9 51	3 42	4 30	0 41	5 8	1 15	4 18	3 7	11 0	0 45	3 55	2 51	0 30	0 38	5 35	2 4	31 46	13 21	21 8	21 21	21 23		n.a.
T 18	3 50	14 22	2 45	3 30	0 31	4 37	1 14	4 25	3 6	11 4	0 45	3 57	2 51	0 32	0 38	5 35	2 4	31 46	13 21	21 7	21 20	21 23		n.a.
W19	3 27	18 2	1 36	2 30	0 21	4 7	1 12	4 32	3 4	11 9	0 45	3 59	2 51	0 33	0 38	5 34	2 4	31 46	13 21	21 6	21 19	21 23		n.a.
T 20	3 3	20 36	0 22	1 29	0 10	3 36	1 11	4 39	3 2	11 13	0 44	4 0	2 51	0 34	0 37	5 34	2 4	31 46	13 21	21 6	21 19	21 24		n.a.
F 21	2 40	21 50	0n53	0 27	0n 0	3 5	1 10	4 46	3 1	11 18	0 44	4 2	2 51	0 36	0 37	5 33	2 4	31 46	13 22	21 6	21 18	21 24		n.a.
S 22	2 17	21 40	2 5	0n34	0 11	2 34	1 8	4 53	2 59	11 22	0 44	4 4	2 51	0 37	0 37	5 33	2 4	31 46	13 22	21 6	21 18	21 24		n.a.
S 23	1 53	20 9	3 8	1 35	0 22	2 3	1 7	5 0	2 57	11 27	0 44	4 6	2 51	0 38	0 37	5 32	2 4	31 46	13 22	21 6	21 17	21 25		n.a.
M24	1 30	17 28	4 0	2 36	0 33	1 32	1 6	5 7	2 55	11 31	0 44	4 8	2 51	0 40	0 37	5 31	2 4	31 46	13 22	21 5	21 16	21 25		n.a.
T 25	1 7	13 49	4 37	3 35	0 44	1 0	1 4	5 14	2 53	11 36	0 44	4 10	2 51	0 41	0 37	5 31	2 4	31 46	13 23	21 4	21 16	21 25		n.a.
W26	0 43	9 31	4 58	4 34	0 55	0 29	1 2	5 21	2 50	11 40	0 43	4 11	2 51	0 43	0 37	5 30	2 4	31 46	13 23	21 3	21 15	21 26		n.a.
T 27	0 20	4 49	5 3	5 32	1 5	0n 2	1 1	5 28	2 48	11 45	0 43	4 13	2 51	0 44	0 37	5 30	2 4	31 46	13 23	21 1	21 15	21 26		n.a.
F 28	0n 4	0n 2	4 51	6 29	1 16	0 33	0 59	5 35	2 46	11 50	0 43	4 15	2 51	0 45	0 37	5 29	2 4	31 46	13 24	20 58	21 14	21 26		n.a.
S 29	0 27	4 47	4 25	7 23	1 26	1 5	0 58	5 41	2 43	11 54	0 43	4 17	2 51	0 47	0 37	5 28	2 4	31 46	13 24	20 56	21 13	21 27		n.a.
S 30	0 50	9 15	3 46	8 16	1 35	1 36	0 56	5 48	2 41	11 59	0 43	4 19	2 51	0 48	0 37	5 28	2 4	31 46	13 24	20 54	21 13	21 27		n.a.
M31	1n14	13n15	2n57	9n 8	1n44	2n 7	0s54	5n54	2n38	12n 3	0s43	4n20	2n51	0n50	0s37	5s27	2n 4	31s46	13s24	20s53	21s12	21n27		n.a.

Julian Day Number = 1477130.5, Delta T = 05h25m54s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'39, Lahiri = -13°11'38 Julian Calendar 1 March 669 BCE == Greg. Calendar 23 Feb. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

APRIL 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 9 30	4♈ 1'07	9♉ 5	20♈44	8♈33	20°R59	3♉19	25°R39	3♈31	18°R31	6♒46	2°R 4	3♐44	6♊32	n.a.	T 1
W 2	12 13 27	4°59'03	21° 4	22°28	9°47	20♍39	3°32	25♍34	3°35	18♎29	6°47	2♐ 1	3°41	6°39	n.a.	W 2
T 3	12 17 23	5°56'56	2♊55	24° 9	11° 1	20°18	3°45	25°30	3°38	18°28	6°48	2°D 1	3°38	6°46	n.a.	T 3
F 4	12 21 20	6°54'48	14°43	25°46	12°15	19°58	3°58	25°25	3°42	18°26	6°49	2° 1	3°35	6°52	n.a.	F 4
S 5	12 25 16	7°52'38	26°32	27°20	13°28	19°39	4°11	25°21	3°45	18°25	6°50	2° 2	3°32	6°59	n.a.	S 5
S 6	12 29 13	8°50'26	8♋27	28°50	14°42	19°20	4°25	25°17	3°49	18°23	6°51	2°R 3	3°28	7° 5	n.a.	S 6
M 7	12 33 9	9°48'12	20°34	0♉16	15°56	19° 1	4°38	25°12	3°52	18°21	6°52	2° 2	3°25	7°12	n.a.	M 7
T 8	12 37 6	10°45'56	2♌57	1°38	17°10	18°43	4°51	25° 8	3°56	18°20	6°52	2° 0	3°22	7°19	n.a.	T 8
W 9	12 41 2	11°43'39	15°41	2°56	18°23	18°26	5° 4	25° 4	3°59	18°18	6°53	1°55	3°19	7°25	n.a.	W 9
T 10	12 44 59	12°41'19	28°50	4°11	19°37	18° 9	5°17	25° 0	4° 2	18°17	6°54	1°49	3°16	7°32	n.a.	T 10
F 11	12 48 56	13°38'58	12♍24	5°21	20°51	17°53	5°31	24°55	4° 6	18°15	6°55	1°42	3°13	7°39	n.a.	F 11
S 12	12 52 52	14°36'36	26°22	6°28	22° 5	17°38	5°44	24°51	4° 9	18°13	6°56	1°34	3° 9	7°45	n.a.	S 12
S 13	12 56 49	15°34'12	10♎40	7°30	23°18	17°23	5°57	24°47	4°13	18°12	6°56	1°27	3° 6	7°52	n.a.	S 13
M14	13 0 45	16°31'46	25°15	8°28	24°32	17° 9	6°11	24°43	4°16	18°10	6°57	1°22	3° 3	7°59	n.a.	M14
T 15	13 4 42	17°29'19	9♏58	9°22	25°46	16°56	6°24	24°39	4°19	18° 8	6°58	1°18	3° 0	8° 5	n.a.	T 15
W16	13 8 38	18°26'51	24°42	10°11	26°59	16°43	6°38	24°35	4°23	18° 7	6°59	1°D16	2°57	8°12	n.a.	W16
T 17	13 12 35	19°24'22	9♐21	10°57	28°13	16°31	6°51	24°31	4°26	18° 5	6°59	1°16	2°53	8°19	n.a.	T 17
F 18	13 16 31	20°21'53	23°51	11°37	29°27	16°20	7° 5	24°28	4°30	18° 4	7° 0	1°18	2°50	8°25	n.a.	F 18
S 19	13 20 28	21°19'22	8♑ 6	12°14	0♑40	16°10	7°18	24°24	4°33	18° 2	7° 0	1°19	2°47	8°32	n.a.	S 19
S 20	13 24 25	22°16'50	22° 7	12°45	1°54	16° 0	7°32	24°20	4°36	18° 0	7° 1	1°R19	2°44	8°39	n.a.	S 20
M21	13 28 21	23°14'17	5♒52	13°12	3° 8	15°52	7°45	24°16	4°40	17°59	7° 2	1°19	2°41	8°45	n.a.	M21
T 22	13 32 18	24°11'43	19°21	13°35	4°21	15°44	7°59	24°13	4°43	17°57	7° 2	1°16	2°38	8°52	n.a.	T 22
W23	13 36 14	25° 9'09	2♓36	13°52	5°35	15°37	8°12	24° 9	4°46	17°56	7° 3	1°12	2°34	8°58	n.a.	W23
T 24	13 40 11	26° 6'33	15°36	14° 5	6°48	15°30	8°26	24° 6	4°49	17°54	7° 3	1° 7	2°31	9° 5	n.a.	T 24
F 25	13 44 7	27° 3'57	28°23	14°14	8° 2	15°25	8°40	24° 2	4°53	17°52	7° 4	1° 2	2°28	9°12	n.a.	F 25
S 26	13 48 4	28° 1'19	10♈57	14°R17	9°16	15°20	8°53	23°59	4°56	17°51	7° 4	0°56	2°25	9°18	n.a.	S 26
S 27	13 52 0	28°58'41	23°18	14°16	10°29	15°17	9° 7	23°56	4°59	17°49	7° 5	0°51	2°22	9°25	n.a.	S 27
M28	13 55 57	29°56'02	5♉29	14°11	11°43	15°14	9°21	23°52	5° 2	17°48	7° 5	0°47	2°19	9°32	n.a.	M28
T 29	13 59 54	0♉53'22	17°30	14° 1	12°56	15°11	9°35	23°49	5° 6	17°46	7° 5	0°45	2°15	9°38	n.a.	T 29
W30	14 3 50	1♉50'41	29♉24	13♉48	14♉10	15♍10	9♉48	23♍46	5♈ 9	17♎44	7♒ 6	0°D44	2♐12	9♊45	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n37	16n37	2n 0	9n57	1n53	2n38	0s52	6n 0	2n36	12n 8	0s42	4n22	2n51	0n51	0s37	5s27	2n 4	31s46	13s25	20s52	21s12	21n27		n.a.
W 2	2 0	19 13	0 59	10 44	2 1	3 10	0 50	6 6	2 33	12 12	0 42	4 24	2 51	0 52	0 37	5 26	2 4	31 46	13 25	20 51	21 11	21 28		n.a.
T 3	2 24	20 57	0s 5	11 28	2 8	3 41	0 48	6 11	2 30	12 17	0 42	4 26	2 51	0 54	0 37	5 25	2 4	31 46	13 25	20 51	21 10	21 28		n.a.
F 4	2 47	21 46	1 8	12 11	2 15	4 12	0 46	6 17	2 28	12 22	0 42	4 27	2 51	0 55	0 37	5 25	2 4	31 46	13 26	20 51	21 10	21 28		n.a.
S 5	3 10	21 36	2 8	12 51	2 21	4 43	0 44	6 22	2 25	12 26	0 42	4 29	2 51	0 57	0 37	5 24	2 4	31 46	13 26	20 52	21 9	21 28		n.a.
S 6	3 33	20 27	3 3	13 28	2 26	5 13	0 42	6 27	2 22	12 31	0 42	4 31	2 51	0 58	0 37	5 24	2 4	31 46	13 26	20 52	21 9	21 29		n.a.
M 7	3 56	18 22	3 51	14 4	2 30	5 44	0 40	6 32	2 19	12 35	0 42	4 32	2 51	0 59	0 37	5 23	2 4	31 46	13 27	20 52	21 8	21 29		n.a.
T 8	4 19	15 24	4 30	14 36	2 34	6 15	0 38	6 36	2 16	12 40	0 41	4 34	2 51	1 1	0 37	5 22	2 4	31 46	13 27	20 51	21 7	21 29		n.a.
W 9	4 42	11 39	4 56	15 6	2 36	6 45	0 36	6 40	2 13	12 45	0 41	4 36	2 51	1 2	0 37	5 22	2 4	31 46	13 27	20 50	21 7	21 29		n.a.
T 10	5 5	7 14	5 8	15 34	2 38	7 15	0 34	6 44	2 10	12 49	0 41	4 37	2 51	1 3	0 37	5 21	2 4	31 46	13 28	20 49	21 6	21 30		n.a.
F 11	5 28	2 21	5 3	15 59	2 39	7 46	0 32	6 48	2 7	12 54	0 41	4 39	2 51	1 5	0 37	5 20	2 4	31 46	13 28	20 47	21 6	21 30		n.a.
S 12	5 50	2s48	4 40	16 22	2 39	8 16	0 30	6 51	2 4	12 59	0 41	4 40	2 51	1 6	0 37	5 20	2 4	31 46	13 28	20 46	21 5	21 30		n.a.
S 13	6 13	7 56	3 59	16 42	2 39	8 45	0 27	6 54	2 1	13 3	0 41	4 42	2 51	1 8	0 37	5 19	2 4	31 47	13 29	20 44	21 4	21 30		n.a.
M14	6 35	12 43	3 3	17 0	2 37	9 15	0 25	6 57	1 58	13 8	0 41	4 44	2 50	1 9	0 37	5 19	2 4	31 47	13 29	20 43	21 4	21 31		n.a.
T 15	6 58	16 47	1 53	17 15	2 34	9 44	0 23	6 59	1 55	13 12	0 41	4 45	2 50	1 10	0 37	5 18	2 4	31 47	13 29	20 43	21 3	21 31		n.a.
W16	7 20	19 47	0 36	17 27	2 31	10 13	0 20	7 1	1 52	13 17	0 40	4 47	2 50	1 12	0 37	5 17	2 4	31 47	13 30	20 42	21 2	21 31		n.a.
T 17	7 42	21 27	0n44	17 38	2 26	10 42	0 18	7 3	1 48	13 21	0 40	4 48	2 50	1 13	0 37	5 17	2 4	31 47	13 30	20 42	21 2	21 31		n.a.
F 18	8 4	21 38	2 0	17 45	2 20	11 11	0 16	7 5	1 45	13 26	0 40	4 49	2 50	1 14	0 37	5 16	2 4	31 47	13 30	20 42	21 1	21 31		n.a.
S 19	8 26	20 25	3 7	17 50	2 14	11 40	0 13	7 6	1 42	13 31	0 40	4 51	2 50	1 16	0 37	5 15	2 4	31 47	13 31	20 43	21 1	21 31		n.a.
S 20	8 48	17 57	4 2	17 53	2 6	12 8	0 11	7 7	1 39	13 35	0 40	4 52	2 50	1 17	0 37	5 15	2 4	31 48	13 31	20 43	21 0	21 32		n.a.
M21	9 9	14 31	4 41	17 53	1 58	12 36	0 9	7 7	1 36	13 40	0 40	4 54	2 50	1 18	0 37	5 14	2 4	31 48	13 31	20 43	20 59	21 32		n.a.
T 22	9 31	10 24	5 5	17 51	1 48	13 3	0 6	7 8	1 33	13 44	0 40	4 55	2 49	1 20	0 37	5 14	2 4	31 48	13 32	20 42	20 59	21 32		n.a.
W23	9 52	5 51	5 11	17 47	1 38	13 30	0 4	7 8	1 30	13 49	0 40	4 56	2 49	1 21	0 37	5 13	2 4	31 48	13 32	20 41	20 58	21 32		n.a.
T 24	10 13	1 8	5 2	17 40	1 27	13 57	0 1	7 7	1 27	13 53	0 39	4 57	2 49	1 22	0 37	5 12	2 4	31 48	13 32	20 40	20 57	21 32		n.a.
F 25	10 34	3n34	4 37	17 31	1 14	14 24	0n 1	7 6	1 24	13 58	0 39	4 59	2 49	1 24	0 37	5 12	2 4	31 49	13 33	20 39	20 57	21 33		n.a.
S 26	10 55	8 3	3 59	17 19	1 1	14 50	0 3	7 5	1 21	14 3	0 39	5 0	2 49	1 25	0 37	5 11	2 4	31 49	13 33	20 38	20 56	21 33		n.a.
S 27	11 16	12 7	3 11	17 6	0 47	15 16	0 6	7 4	1 18	14 7	0 39	5 1	2 49	1 26	0 37	5 11	2 4	31 49	13 33	20 37	20 55	21 33		n.a.
M28	11 36	15 38	2 14	16 50	0 33	15 41	0 8	7 3	1 15	14 12	0 39	5 2	2 48	1 27	0 37	5 10	2 4	31 49	13 34	20 36	20 55	21 33		n.a.
T 29	11 57	18 27	1 12	16 33	0 17	16 7	0 11	7 1	1 12	14 16	0 39	5 3	2 48	1 29	0 37	5 9	2 4	31 49	13 34	20 36	20 54	21 33		n.a.
W30	12n17	20n25	0n 7	16n13	0n 1	16n31	0n13	6n58	1n 9	14n21	0s39	5n 4	2n48	1n30	0s37	5s 9	2n 4	31s50	13s34	20s35	20s54	21n33		n.a.

Julian Day Number = 1477161.5, Delta T = 05h25m52s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'34, Lahiri = -13°11'34 Julian Calendar 1 Apr. 669 BCE == Greg. Calendar 25 March 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

MAY 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 7 47	2♉47'59	11♊12	13°R30	15♉23	15°D10	10♉ 2	23°R43	5♈12	17°R43	7♒ 6	0♐45	2♐ 9	9♊52	n.a.	T 1
F 2	14 11 43	3°45'16	22°59	13♉ 9	16°37	15♍10	10°16	23♍40	5°15	17♎41	7° 6	0°46	2° 6	9°58	n.a.	F 2
S 3	14 15 40	4°42'32	4♋48	12°44	17°50	15°11	10°29	23°37	5°18	17°40	7° 7	0°48	2° 3	10° 5	n.a.	S 3
S 4	14 19 36	5°39'47	16°44	12°17	19° 4	15°13	10°43	23°35	5°21	17°38	7° 7	0°49	1°59	10°12	n.a.	S 4
M 5	14 23 33	6°37'01	28°50	11°47	20°17	15°16	10°57	23°32	5°24	17°37	7° 7	0°50	1°56	10°18	n.a.	M 5
T 6	14 27 29	7°34'13	11♌12	11°16	21°31	15°19	11°11	23°29	5°27	17°35	7° 7	0°R51	1°53	10°25	n.a.	T 6
W 7	14 31 26	8°31'25	23°54	10°43	22°44	15°23	11°25	23°27	5°30	17°34	7° 8	0°50	1°50	10°31	n.a.	W 7
T 8	14 35 23	9°28'36	7♍ 0	10°10	23°57	15°28	11°38	23°24	5°33	17°32	7° 8	0°48	1°47	10°38	n.a.	T 8
F 9	14 39 19	10°25'46	20°33	9°36	25°11	15°34	11°52	23°22	5°36	17°31	7° 8	0°46	1°44	10°45	n.a.	F 9
S 10	14 43 16	11°22'55	4♎32	9° 2	26°24	15°41	12° 6	23°20	5°39	17°29	7° 8	0°43	1°40	10°51	n.a.	S 10
S 11	14 47 12	12°20'04	18°57	8°30	27°38	15°48	12°20	23°18	5°42	17°28	7° 8	0°41	1°37	10°58	n.a.	S 11
M12	14 51 9	13°17'12	3♏42	7°59	28°51	15°56	12°33	23°15	5°45	17°26	7° 8	0°39	1°34	11° 5	n.a.	M12
T 13	14 55 5	14°14'19	18°40	7°30	0♊ 4	16° 5	12°47	23°13	5°48	17°25	7° 8	0°38	1°31	11°11	n.a.	T 13
W14	14 59 2	15°11'26	3♐44	7° 4	1°18	16°14	13° 1	23°11	5°51	17°24	7° 8	0°D38	1°28	11°18	n.a.	W14
T 15	15 2 58	16° 8'32	18°45	6°41	2°31	16°24	13°15	23°10	5°54	17°22	7°R 8	0°38	1°25	11°25	n.a.	T 15
F 16	15 6 55	17° 5'39	3♑34	6°21	3°44	16°35	13°28	23° 8	5°56	17°21	7° 8	0°39	1°21	11°31	n.a.	F 16
S 17	15 10 52	18° 2'45	18° 6	6° 4	4°58	16°46	13°42	23° 6	5°59	17°20	7° 8	0°40	1°18	11°38	n.a.	S 17
S 18	15 14 48	18°59'51	2♒18	5°52	6°11	16°58	13°56	23° 5	6° 2	17°18	7° 8	0°41	1°15	11°45	n.a.	S 18
M19	15 18 45	19°56'57	16° 7	5°44	7°24	17°11	14°10	23° 3	6° 5	17°17	7° 8	0°R41	1°12	11°51	n.a.	M19
T 20	15 22 41	20°54'03	29°33	5°D41	8°38	17°24	14°23	23° 2	6° 7	17°16	7° 8	0°41	1° 9	11°58	n.a.	T 20
W21	15 26 38	21°51'10	12♓39	5°42	9°51	17°38	14°37	23° 0	6°10	17°14	7° 8	0°41	1° 5	12° 5	n.a.	W21
T 22	15 30 34	22°48'16	25°27	5°47	11° 4	17°52	14°51	22°59	6°13	17°13	7° 8	0°40	1° 2	12°11	n.a.	T 22
F 23	15 34 31	23°45'22	7♈59	5°58	12°17	18° 7	15° 4	22°58	6°15	17°12	7° 8	0°39	0°59	12°18	n.a.	F 23
S 24	15 38 27	24°42'28	20°17	6°13	13°31	18°23	15°18	22°57	6°18	17°11	7° 7	0°38	0°56	12°24	n.a.	S 24
S 25	15 42 24	25°39'35	2♉24	6°33	14°44	18°39	15°32	22°56	6°20	17° 9	7° 7	0°37	0°53	12°31	n.a.	S 25
M26	15 46 21	26°36'41	14°23	6°58	15°57	18°56	15°45	22°55	6°23	17° 8	7° 7	0°37	0°50	12°38	n.a.	M26
T 27	15 50 17	27°33'48	26°16	7°28	17°10	19°14	15°59	22°54	6°25	17° 7	7° 7	0°D37	0°46	12°44	n.a.	T 27
W28	15 54 14	28°30'54	8♊ 5	8° 2	18°24	19°32	16°13	22°54	6°28	17° 6	7° 6	0°37	0°43	12°51	n.a.	W28
T 29	15 58 10	29°28'01	19°52	8°41	19°37	19°50	16°26	22°53	6°30	17° 5	7° 6	0°37	0°40	12°58	n.a.	T 29
F 30	16 2 7	0♊25'08	1♋40	9°25	20°50	20° 9	16°40	22°53	6°32	17° 4	7° 6	0°R37	0°37	13° 4	n.a.	F 30
S 31	16 6 3	1♊22'14	13♋31	10♉14	22♊ 3	20♍29	16♉53	22♍52	6♈35	17♎ 3	7♒ 5	0♐37	0♐34	13♊11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n37	21n29	0s57	15n52	0s15	16n56	0n16	6n56	1n 6	14n25	0s39	5n 5	2n48	1n31	0s37	5s 8	2n 4	31s50	13s35	20s36	20s53	21n33			n.a.
F 2	12 57	21 36	1 59	15 30	0 32	17 19	0 18	6 53	1 3	14 30	0 39	5 6	2 48	1 33	0 37	5 8	2 4	31 50	13 35	20 36	20 52	21 33			n.a.
S 3	13 16	20 45	2 57	15 6	0 49	17 43	0 21	6 50	1 0	14 34	0 38	5 7	2 48	1 34	0 37	5 7	2 4	31 50	13 36	20 36	20 52	21 34			n.a.
S 4	13 36	18 58	3 47	14 42	1 6	18 6	0 23	6 47	0 57	14 38	0 38	5 8	2 47	1 35	0 38	5 6	2 4	31 51	13 36	20 37	20 51	21 34			n.a.
M 5	13 55	16 19	4 28	14 16	1 23	18 28	0 25	6 43	0 54	14 43	0 38	5 9	2 47	1 36	0 38	5 6	2 4	31 51	13 36	20 37	20 50	21 34			n.a.
T 6	14 14	12 54	4 57	13 51	1 39	18 50	0 28	6 39	0 51	14 47	0 38	5 10	2 47	1 37	0 38	5 5	2 4	31 51	13 37	20 37	20 50	21 34			n.a.
W 7	14 33	8 49	5 13	13 25	1 56	19 12	0 30	6 35	0 49	14 52	0 38	5 11	2 47	1 39	0 38	5 5	2 4	31 52	13 37	20 37	20 49	21 34			n.a.
T 8	14 51	4 13	5 14	12 59	2 12	19 33	0 33	6 30	0 46	14 56	0 38	5 12	2 47	1 40	0 38	5 4	2 4	31 52	13 37	20 36	20 48	21 34			n.a.
F 9	15 9	0s45	4 57	12 34	2 27	19 53	0 35	6 26	0 43	15 1	0 38	5 12	2 46	1 41	0 38	5 4	2 4	31 52	13 38	20 36	20 48	21 34			n.a.
S 10	15 27	5 50	4 23	12 10	2 41	20 13	0 37	6 21	0 41	15 5	0 38	5 13	2 46	1 42	0 38	5 3	2 4	31 52	13 38	20 35	20 47	21 34			n.a.
S 11	15 45	10 46	3 31	11 47	2 55	20 33	0 40	6 15	0 38	15 9	0 38	5 14	2 46	1 43	0 38	5 3	2 4	31 53	13 38	20 35	20 46	21 34			n.a.
M12	16 3	15 10	2 24	11 25	3 7	20 52	0 42	6 10	0 35	15 14	0 38	5 15	2 46	1 44	0 38	5 2	2 4	31 53	13 39	20 34	20 46	21 34			n.a.
T 13	16 20	18 40	1 6	11 5	3 19	21 10	0 44	6 4	0 33	15 18	0 38	5 15	2 45	1 46	0 38	5 2	2 4	31 53	13 39	20 34	20 45	21 34			n.a.
W14	16 37	20 55	0n17	10 47	3 29	21 28	0 46	5 58	0 30	15 22	0 37	5 16	2 45	1 47	0 38	5 1	2 4	31 54	13 40	20 34	20 45	21 35			n.a.
T 15	16 54	21 39	1 39	10 31	3 38	21 45	0 49	5 52	0 28	15 26	0 37	5 16	2 45	1 48	0 38	5 1	2 4	31 54	13 40	20 34	20 44	21 35			n.a.
F 16	17 10	20 51	2 53	10 17	3 45	22 1	0 51	5 45	0 25	15 31	0 37	5 17	2 45	1 49	0 38	5 0	2 4	31 54	13 40	20 34	20 43	21 35			n.a.
S 17	17 27	18 40	3 54	10 5	3 52	22 17	0 53	5 39	0 23	15 35	0 37	5 17	2 45	1 50	0 38	5 0	2 4	31 55	13 41	20 35	20 43	21 35			n.a.
S 18	17 43	15 23	4 39	9 57	3 57	22 33	0 55	5 32	0 20	15 39	0 37	5 18	2 44	1 51	0 38	4 59	2 4	31 55	13 41	20 35	20 42	21 35			n.a.
M19	17 58	11 21	5 7	9 51	4 0	22 47	0 57	5 25	0 18	15 43	0 37	5 18	2 44	1 52	0 38	4 59	2 4	31 56	13 41	20 35	20 41	21 35			n.a.
T 20	18 14	6 50	5 17	9 47	4 3	23 1	0 59	5 17	0 16	15 48	0 37	5 18	2 44	1 53	0 38	4 58	2 4	31 56	13 42	20 35	20 41	21 35			n.a.
W21	18 29	2 8	5 10	9 46	4 4	23 15	1 1	5 10	0 13	15 52	0 37	5 19	2 44	1 54	0 38	4 58	2 4	31 56	13 42	20 35	20 40	21 35			n.a.
T 22	18 44	2n34	4 48	9 48	4 4	23 28	1 3	5 2	0 11	15 56	0 37	5 19	2 43	1 55	0 38	4 57	2 4	31 57	13 42	20 35	20 39	21 35			n.a.
F 23	18 58	7 4	4 13	9 53	4 3	23 40	1 5	4 54	0 9	16 0	0 37	5 19	2 43	1 56	0 38	4 57	2 4	31 57	13 43	20 34	20 39	21 35			n.a.
S 24	19 13	11 12	3 26	10 0	4 0	23 51	1 7	4 46	0 7	16 4	0 37	5 19	2 43	1 57	0 38	4 56	2 3	31 57	13 43	20 34	20 38	21 35			n.a.
S 25	19 27	14 50	2 30	10 10	3 57	24 2	1 9	4 37	0 5	16 8	0 36	5 20	2 43	1 58	0 38	4 56	2 3	31 58	13 43	20 34	20 37	21 35			n.a.
M26	19 40	17 48	1 29	10 22	3 53	24 12	1 11	4 28	0 2	16 12	0 36	5 20	2 42	1 59	0 38	4 56	2 3	31 58	13 44	20 34	20 37	21 35			n.a.
T 27	19 53	19 59	0 24	10 37	3 47	24 21	1 13	4 20	0 0	16 16	0 36	5 20	2 42	2 0	0 38	4 55	2 3	31 59	13 44	20 34	20 36	21 35			n.a.
W28	20 6	21 17	0s41	10 54	3 41	24 30	1 14	4 11	0s 2	16 20	0 36	5 20	2 42	2 1	0 38	4 55	2 3	31 59	13 44	20 34	20 35	21 35			n.a.
T 29	20 19	21 38	1 45	11 13	3 34	24 37	1 16	4 1	0 4	16 24	0 36	5 20	2 42	2 2	0 38	4 54	2 3	32 0	13 45	20 34	20 35	21 35			n.a.
F 30	20 31	21 2	2 44	11 34	3 27	24 45	1 18	3 52	0 6	16 28	0 36	5 20	2 41	2 3	0 38	4 54	2 3	32 0	13 45	20 34	20 34	21 35			n.a.
S 31	20n43	19n29	3s37	11n58	3s18	24n51	1n19	3n42	0s 8	16n32	0s36	5n20	2n41	2n 4	0s38	4s54	2n 3	32s 0	13s46	20s34	20s33	21n35			n.a.

Julian Day Number = 1477191.5, Delta T = 05h25m51s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'30, Lahiri = -13°11'30 Julian Calendar 1 May 669 BCE == Greg. Calendar 24 Apr. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

JUNE 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 10 0	2♊19'21	25♋29	11♉ 6	23♊16	20♍49	17♉ 7	22°R52	6♈37	17°R 2	7°R 5	0°R37	0♐31	13♊18	n.a.	S 1
M 2	16 13 57	3°16'27	7♌38	12° 4	24°29	21° 9	17°20	22♍52	6°39	17♎ 1	7♒ 4	0♐37	0°27	13°24	n.a.	M 2
T 3	16 17 53	4°13'34	20° 0	13° 6	25°43	21°30	17°34	22°D52	6°41	17° 0	7° 4	0°36	0°24	13°31	n.a.	T 3
W 4	16 21 50	5°10'40	2♍40	14°12	26°56	21°52	17°47	22°52	6°44	16°59	7° 4	0°D36	0°21	13°38	n.a.	W 4
T 5	16 25 46	6° 7'46	15°42	15°22	28° 9	22°14	18° 1	22°52	6°46	16°58	7° 3	0°36	0°18	13°44	n.a.	T 5
F 6	16 29 43	7° 4'53	29° 8	16°37	29°22	22°36	18°14	22°52	6°48	16°57	7° 3	0°37	0°15	13°51	n.a.	F 6
S 7	16 33 39	8° 1'59	13♎ 0	17°56	0♋35	22°59	18°27	22°53	6°50	16°56	7° 2	0°37	0°11	13°58	n.a.	S 7
S 8	16 37 36	8°59'06	27°18	19°19	1°48	23°22	18°41	22°53	6°52	16°55	7° 2	0°38	0° 8	14° 4	n.a.	S 8
M 9	16 41 32	9°56'12	12♏ 0	20°46	3° 1	23°46	18°54	22°53	6°54	16°54	7° 1	0°38	0° 5	14°11	n.a.	M 9
T 10	16 45 29	10°53'20	27° 0	22°17	4°14	24°10	19° 7	22°54	6°56	16°54	7° 0	0°R39	0° 2	14°18	n.a.	T 10
W11	16 49 26	11°50'27	12♐10	23°52	5°27	24°35	19°20	22°55	6°58	16°53	7° 0	0°39	29♏59	14°24	n.a.	W11
T 12	16 53 22	12°47'35	27°22	25°30	6°40	25° 0	19°33	22°56	7° 0	16°52	6°59	0°38	29°56	14°31	n.a.	T 12
F 13	16 57 19	13°44'44	12♑26	27°12	7°53	25°25	19°47	22°56	7° 1	16°51	6°59	0°37	29°52	14°37	n.a.	F 13
S 14	17 1 15	14°41'54	27°14	28°58	9° 6	25°51	20° 0	22°57	7° 3	16°51	6°58	0°35	29°49	14°44	n.a.	S 14
S 15	17 5 12	15°39'04	11♒38	0♊47	10°19	26°17	20°13	22°59	7° 5	16°50	6°57	0°33	29°46	14°51	n.a.	S 15
M16	17 9 8	16°36'15	25°37	2°39	11°32	26°44	20°26	23° 0	7° 7	16°49	6°56	0°32	29°43	14°57	n.a.	M16
T 17	17 13 5	17°33'27	9♓ 8	4°33	12°45	27°10	20°39	23° 1	7° 8	16°49	6°56	0°31	29°40	15° 4	n.a.	T 17
W18	17 17 1	18°30'40	22°14	6°30	13°57	27°38	20°52	23° 2	7°10	16°48	6°55	0°D31	29°36	15°11	n.a.	W18
T 19	17 20 58	19°27'54	4♈57	8°30	15°10	28° 5	21° 4	23° 4	7°11	16°48	6°54	0°32	29°33	15°17	n.a.	T 19
F 20	17 24 55	20°25'09	17°21	10°31	16°23	28°33	21°17	23° 5	7°13	16°47	6°53	0°33	29°30	15°24	n.a.	F 20
S 21	17 28 51	21°22'25	29°30	12°34	17°36	29° 2	21°30	23° 7	7°14	16°47	6°53	0°34	29°27	15°31	n.a.	S 21
S 22	17 32 48	22°19'43	11♉29	14°38	18°49	29°30	21°43	23° 9	7°16	16°46	6°52	0°36	29°24	15°37	n.a.	S 22
M23	17 36 44	23°17'01	23°20	16°43	20° 2	29°59	21°55	23°11	7°17	16°46	6°51	0°37	29°21	15°44	n.a.	M23
T 24	17 40 41	24°14'20	5♊ 8	18°49	21°14	0♎28	22° 8	23°13	7°18	16°45	6°50	0°R37	29°17	15°51	n.a.	T 24
W25	17 44 37	25°11'41	16°55	20°55	22°27	0°58	22°21	23°15	7°20	16°45	6°49	0°36	29°14	15°57	n.a.	W25
T 26	17 48 34	26° 9'02	28°44	23° 2	23°40	1°28	22°33	23°17	7°21	16°45	6°48	0°34	29°11	16° 4	n.a.	T 26
F 27	17 52 31	27° 6'25	10♋36	25° 7	24°53	1°58	22°46	23°19	7°22	16°44	6°47	0°30	29° 8	16°11	n.a.	F 27
S 28	17 56 27	28° 3'48	22°34	27°13	26° 5	2°29	22°58	23°21	7°23	16°44	6°47	0°26	29° 5	16°17	n.a.	S 28
S 29	18 0 24	29° 1'12	4♌40	29°18	27°18	3° 0	23°10	23°24	7°24	16°44	6°46	0°21	29° 2	16°24	n.a.	S 29
M30	18 4 20	29♊58'37	16♌56	1♋22	28♋31	3♎31	23♉23	23♍26	7♈25	16♎44	6♒45	0♐16	28♏58	16♊31	n.a.	M30

Day	☉		☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl		lat	decl		lat	decl		lat	decl		lat	decl		lat	decl		lat	decl		lat	decl	decl	decl	decl	lat
S 1	20n55	17n 5		4s20	12n23		3s 9	24n57		1n21	3n33		0s10	16n36		0s36	5n20		2n41	2n 5		0s38	4s53		2n 3	32s 1	13s46	20s34	20s33	21n35		n.a.
M 2	21 6	13 54		4 53	12 50		2 59	25 2		1 22	3 23		0 12	16 40		0 36	5 19		2 41	2 6		0 38	4 53		2 3	32 1	13 46	20 34	20 32	21 35		n.a.
T 3	21 17	10 5		5 12	13 18		2 49	25 6		1 24	3 12		0 14	16 44		0 36	5 19		2 40	2 7		0 38	4 53		2 3	32 2	13 47	20 34	20 31	21 35		n.a.
W 4	21 28	5 44		5 18	13 48		2 38	25 9		1 25	3 2		0 15	16 48		0 36	5 19		2 40	2 8		0 38	4 52		2 3	32 2	13 47	20 34	20 31	21 35		n.a.
T 5	21 38	1 1		5 7	14 20		2 27	25 12		1 26	2 52		0 17	16 52		0 36	5 19		2 40	2 8		0 38	4 52		2 3	32 3	13 47	20 34	20 30	21 35		n.a.
F 6	21 48	3s55		4 39	14 52		2 16	25 14		1 28	2 41		0 19	16 56		0 36	5 18		2 40	2 9		0 38	4 52		2 3	32 3	13 48	20 34	20 29	21 35		n.a.
S 7	21 57	8 48		3 55	15 26		2 4	25 15		1 29	2 30		0 21	17 0		0 36	5 18		2 39	2 10		0 38	4 51		2 3	32 3	13 48	20 34	20 28	21 35		n.a.
S 8	22 6	13 22		2 55	16 1		1 51	25 16		1 30	2 19		0 23	17 3		0 36	5 18		2 39	2 11		0 38	4 51		2 3	32 4	13 48	20 34	20 28	21 35		n.a.
M 9	22 15	17 16		1 42	16 36		1 39	25 15		1 31	2 8		0 24	17 7		0 35	5 17		2 39	2 12		0 38	4 51		2 3	32 4	13 48	20 34	20 27	21 34		n.a.
T 10	22 23	20 5		0 20	17 12		1 26	25 14		1 32	1 57		0 26	17 11		0 35	5 17		2 39	2 12		0 38	4 51		2 3	32 5	13 49	20 34	20 26	21 34		n.a.
W11	22 31	21 31		1n 4	17 49		1 14	25 12		1 33	1 45		0 28	17 14		0 35	5 16		2 38	2 13		0 38	4 50		2 3	32 5	13 49	20 34	20 26	21 34		n.a.
T 12	22 39	21 22		2 23	18 25		1 1	25 10		1 34	1 34		0 29	17 18		0 35	5 16		2 38	2 14		0 38	4 50		2 2	32 6	13 49	20 34	20 25	21 34		n.a.
F 13	22 46	19 40		3 32	19 1		0 48	25 7		1 35	1 22		0 31	17 22		0 35	5 15		2 38	2 14		0 38	4 50		2 2	32 6	13 50	20 34	20 24	21 34		n.a.
S 14	22 53	16 41		4 25	19 38		0 36	25 3		1 35	1 10		0 33	17 25		0 35	5 14		2 38	2 15		0 38	4 50		2 2	32 7	13 50	20 34	20 24	21 34		n.a.
S 15	22 59	12 44		5 0	20 13		0 23	24 58		1 36	0 58		0 34	17 29		0 35	5 14		2 37	2 16		0 38	4 50		2 2	32 7	13 50	20 33	20 23	21 34		n.a.
M16	23 5	8 13		5 15	20 48		0 11	24 52		1 37	0 46		0 36	17 33		0 35	5 13		2 37	2 16		0 38	4 49		2 2	32 8	13 51	20 33	20 22	21 34		n.a.
T 17	23 11	3 26		5 13	21 21		0n 1	24 46		1 37	0 34		0 37	17 36		0 35	5 12		2 37	2 17		0 38	4 49		2 2	32 8	13 51	20 33	20 22	21 34		n.a.
W18	23 16	1n22		4 54	21 54		0 12	24 39		1 38	0 22		0 39	17 40		0 35	5 11		2 37	2 18		0 38	4 49		2 2	32 9	13 51	20 33	20 21	21 34		n.a.
T 19	23 21	5 59		4 21	22 25		0 23	24 31		1 38	0 9		0 40	17 43		0 35	5 11		2 36	2 18		0 38	4 49		2 2	32 9	13 51	20 33	20 20	21 34		n.a.
F 20	23 25	10 14		3 37	22 53		0 34	24 23		1 38	0s 3		0 42	17 47		0 35	5 10		2 36	2 19		0 38	4 49		2 2	32 10	13 52	20 33	20 20	21 33		n.a.
S 21	23 29	14 0		2 44	23 20		0 43	24 14		1 39	0 16		0 43	17 50		0 35	5 9		2 36	2 19		0 38	4 49		2 2	32 10	13 52	20 33	20 19	21 33		n.a.
S 22	23 33	17 8		1 44	23 45		0 53	24 4		1 39	0 29		0 45	17 53		0 35	5 8		2 35	2 20		0 38	4 48		2 2	32 11	13 52	20 34	20 18	21 33		n.a.
M23	23 36	19 31		0 40	24 7		1 1	23 53		1 39	0 42		0 46	17 57		0 35	5 7		2 35	2 21		0 38	4 48		2 2	32 11	13 53	20 34	20 17	21 33		n.a.
T 24	23 39	21 3		0s25	24 27		1 9	23 42		1 39	0 55		0 47	18 0		0 35	5 6		2 35	2 21		0 38	4 48		2 2	32 12	13 53	20 34	20 17	21 33		n.a.
W25	23 41	21 39		1 29	24 44		1 17	23 30		1 39	1 8		0 49	18 3		0 35	5 5		2 35	2 22		0 39	4 48		2 2	32 12	13 53	20 34	20 16	21 33		n.a.
T 26	23 43	21 17		2 29	24 58		1 23	23 17		1 39	1 21		0 50	18 7		0 34	5 4		2 34	2 22		0 39	4 48		2 2	32 13	13 53	20 33	20 15	21 33		n.a.
F 27	23 45	19 59		3 22	25 10		1 29	23 4		1 38	1 35		0 51	18 10		0 34	5 3		2 34	2 22		0 39	4 48		2 2	32 13	13 54	20 32	20 15	21 32		n.a.
S 28	23 46	17 47		4 8	25 18		1 34	22 50		1 38	1 48		0 53	18 13		0 34	5 1		2 34	2 23		0 39	4 48		2 1	32 14	13 54	20 32	20 14	21 32		n.a.
S 29	23 46	14 48		4 42	25 24		1 38	22 35		1 38	2 2		0 54	18 16		0 34	5 0		2 34	2 23		0 39	4 48		2 1	32 14	13 54	20 31	20 13	21 32		n.a.
M30	23n46	11n 9		5s 4	25n28		1n42	22n20		1n37	2s15		0s55	18n20		0s34	4n59		2n33	2n24		0s39	4s48		2n 1	32s15	13s54	20s30	20s13	21n32		n.a.

Julian Day Number = 1477222.5, Delta T = 05h25m49s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'26, Lahiri = -13°11'26 Julian Calendar 1 June 669 BCE == Greg. Calendar 25 May 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

JULY 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 8 17	0♋56'03	29♌23	3♋25	29♋43	4♎ 2	23♉35	23♍29	7♈26	16°R44	6°R44	0°R12	28♏55	16♊37	n.a.	T 1
W 2	18 12 13	1°53'30	12♍ 6	5°27	0♌56	4°34	23°47	23°31	7°27	16♎43	6♒43	0♐ 9	28°52	16°44	n.a.	W 2
T 3	18 16 10	2°50'58	25° 6	7°27	2° 9	5° 6	23°59	23°34	7°28	16°43	6°42	0° 8	28°49	16°51	n.a.	T 3
F 4	18 20 6	3°48'27	8♎26	9°27	3°21	5°38	24°11	23°37	7°29	16°43	6°41	0°D 8	28°46	16°57	n.a.	F 4
S 5	18 24 3	4°45'57	22° 8	11°25	4°34	6°11	24°23	23°40	7°30	16°43	6°40	0° 9	28°42	17° 4	n.a.	S 5
S 6	18 28 0	5°43'27	6♏14	13°21	5°46	6°44	24°35	23°43	7°31	16°D43	6°39	0°10	28°39	17°10	n.a.	S 6
M 7	18 31 56	6°40'59	20°42	15°17	6°59	7°17	24°47	23°46	7°31	16°43	6°38	0°11	28°36	17°17	n.a.	M 7
T 8	18 35 53	7°38'32	5♐30	17°10	8°11	7°50	24°59	23°49	7°32	16°43	6°37	0°R11	28°33	17°24	n.a.	T 8
W 9	18 39 49	8°36'06	20°33	19° 3	9°24	8°23	25°10	23°53	7°33	16°43	6°36	0°10	28°30	17°30	n.a.	W 9
T 10	18 43 46	9°33'42	5♑41	20°53	10°36	8°57	25°22	23°56	7°33	16°43	6°34	0° 7	28°27	17°37	n.a.	T 10
F 11	18 47 42	10°31'18	20°47	22°43	11°48	9°31	25°33	23°59	7°34	16°44	6°33	0° 2	28°23	17°44	n.a.	F 11
S 12	18 51 39	11°28'57	5♒40	24°31	13° 1	10° 6	25°45	24° 3	7°34	16°44	6°32	29♏56	28°20	17°50	n.a.	S 12
S 13	18 55 35	12°26'36	20°13	26°17	14°13	10°40	25°56	24° 6	7°34	16°44	6°31	29°50	28°17	17°57	n.a.	S 13
M14	18 59 32	13°24'18	4♓19	28° 2	15°25	11°15	26° 8	24°10	7°35	16°44	6°30	29°44	28°14	18° 4	n.a.	M14
T 15	19 3 29	14°22'01	17°57	29°46	16°37	11°50	26°19	24°14	7°35	16°44	6°29	29°39	28°11	18°10	n.a.	T 15
W16	19 7 25	15°19'45	1♈ 7	1♌28	17°50	12°25	26°30	24°18	7°35	16°45	6°28	29°36	28° 8	18°17	n.a.	W16
T 17	19 11 22	16°17'32	13°51	3° 9	19° 2	13° 0	26°41	24°22	7°36	16°45	6°27	29°D35	28° 4	18°24	n.a.	T 17
F 18	19 15 18	17°15'21	26°14	4°48	20°14	13°36	26°52	24°26	7°36	16°45	6°25	29°36	28° 1	18°30	n.a.	F 18
S 19	19 19 15	18°13'11	8♉21	6°26	21°26	14°11	27° 3	24°30	7°36	16°46	6°24	29°37	27°58	18°37	n.a.	S 19
S 20	19 23 11	19°11'03	20°16	8° 2	22°38	14°47	27°14	24°34	7°36	16°46	6°23	29°38	27°55	18°44	n.a.	S 20
M21	19 27 8	20° 8'58	2♊ 4	9°38	23°50	15°24	27°24	24°38	7°R36	16°47	6°22	29°R38	27°52	18°50	n.a.	M21
T 22	19 31 4	21° 6'54	13°51	11°12	25° 2	16° 0	27°35	24°42	7°36	16°47	6°21	29°37	27°48	18°57	n.a.	T 22
W23	19 35 1	22° 4'52	25°39	12°44	26°14	16°37	27°45	24°47	7°36	16°48	6°19	29°34	27°45	19° 4	n.a.	W23
T 24	19 38 58	23° 2'51	7♋32	14°15	27°26	17°14	27°56	24°51	7°36	16°48	6°18	29°28	27°42	19°10	n.a.	T 24
F 25	19 42 54	24° 0'53	19°32	15°45	28°38	17°51	28° 6	24°56	7°36	16°49	6°17	29°20	27°39	19°17	n.a.	F 25
S 26	19 46 51	24°58'56	1♌41	17°13	29°50	18°28	28°16	25° 0	7°35	16°50	6°16	29°11	27°36	19°24	n.a.	S 26
S 27	19 50 47	25°57'01	14° 0	18°40	1♍ 2	19° 5	28°26	25° 5	7°35	16°50	6°14	29° 0	27°33	19°30	n.a.	S 27
M28	19 54 44	26°55'08	26°29	20° 6	2°13	19°43	28°36	25°10	7°35	16°51	6°13	28°50	27°29	19°37	n.a.	M28
T 29	19 58 40	27°53'17	9♍10	21°30	3°25	20°20	28°46	25°14	7°34	16°52	6°12	28°40	27°26	19°44	n.a.	T 29
W30	20 2 37	28°51'27	22° 3	22°52	4°37	20°58	28°56	25°19	7°34	16°53	6°11	28°33	27°23	19°50	n.a.	W30
T 31	20 6 33	29♋49'38	5♎10	24♌14	5♍49	21♎36	29♉ 6	25♍24	7♈33	16♎53	6♒10	28♏28	27♏20	19♊57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n46	6n58	5s13	25n28	1n44	22n 4	1n37	2s29	0s56	18n23	0s34	4n58	2n33	2n24	0s39	4s48	2n 1	32s15	13s55	20s29	20s12	21n32		n.a.	T 1
W 2	23 46	2 25	5 6	25 26	1 46	21 48	1 36	2 43	0 58	18 26	0 34	4 56	2 33	2 24	0 39	4 48	2 1	32 16	13 55	20 28	20 11	21 32		n.a.	W 2
T 3	23 45	2s21	4 44	25 21	1 48	21 30	1 35	2 57	0 59	18 29	0 34	4 55	2 33	2 25	0 39	4 48	2 1	32 16	13 55	20 28	20 10	21 31		n.a.	T 3
F 4	23 43	7 9	4 6	25 14	1 49	21 13	1 35	3 11	1 0	18 32	0 34	4 54	2 32	2 25	0 39	4 48	2 1	32 17	13 55	20 28	20 10	21 31		n.a.	F 4
S 5	23 41	11 43	3 13	25 5	1 49	20 54	1 34	3 25	1 1	18 35	0 34	4 52	2 32	2 25	0 39	4 48	2 1	32 17	13 56	20 28	20 9	21 31		n.a.	S 5
S 6	23 39	15 47	2 7	24 53	1 48	20 36	1 33	3 39	1 2	18 38	0 34	4 51	2 32	2 26	0 39	4 48	2 1	32 18	13 56	20 28	20 8	21 31		n.a.	S 6
M 7	23 36	19 0	0 52	24 40	1 47	20 16	1 32	3 54	1 3	18 41	0 34	4 49	2 32	2 26	0 39	4 48	2 1	32 18	13 56	20 28	20 8	21 31		n.a.	M 7
T 8	23 33	21 3	0n29	24 24	1 46	19 56	1 31	4 8	1 4	18 44	0 34	4 48	2 32	2 26	0 39	4 48	2 1	32 18	13 56	20 28	20 7	21 31		n.a.	T 8
W 9	23 29	21 38	1 49	24 6	1 44	19 36	1 30	4 22	1 6	18 47	0 34	4 46	2 31	2 26	0 39	4 48	2 1	32 19	13 56	20 28	20 6	21 30		n.a.	W 9
T 10	23 25	20 38	3 1	23 47	1 41	19 15	1 29	4 37	1 7	18 49	0 34	4 45	2 31	2 27	0 39	4 48	2 1	32 19	13 57	20 27	20 5	21 30		n.a.	T 10
F 11	23 21	18 11	4 1	23 26	1 38	18 53	1 27	4 51	1 8	18 52	0 34	4 43	2 31	2 27	0 39	4 49	2 1	32 20	13 57	20 26	20 5	21 30		n.a.	F 11
S 12	23 16	14 33	4 43	23 4	1 34	18 31	1 26	5 6	1 9	18 55	0 34	4 42	2 31	2 27	0 39	4 49	2 1	32 20	13 57	20 25	20 4	21 30		n.a.	S 12
S 13	23 11	10 7	5 5	22 40	1 30	18 8	1 24	5 21	1 10	18 58	0 34	4 40	2 30	2 27	0 39	4 49	2 0	32 21	13 57	20 24	20 3	21 29		n.a.	S 13
M14	23 5	5 16	5 9	22 15	1 26	17 45	1 23	5 35	1 11	19 1	0 34	4 38	2 30	2 27	0 39	4 49	2 0	32 21	13 57	20 23	20 3	21 29		n.a.	M14
T 15	22 59	0 19	4 54	21 48	1 21	17 22	1 21	5 50	1 12	19 3	0 34	4 37	2 30	2 27	0 39	4 49	2 0	32 22	13 57	20 22	20 2	21 29		n.a.	T 15
W16	22 53	4n29	4 24	21 21	1 16	16 58	1 20	6 5	1 13	19 6	0 34	4 35	2 30	2 27	0 39	4 49	2 0	32 22	13 58	20 21	20 1	21 29		n.a.	W16
T 17	22 46	8 57	3 42	20 52	1 10	16 33	1 18	6 20	1 13	19 9	0 34	4 33	2 29	2 27	0 39	4 50	2 0	32 23	13 58	20 21	20 0	21 29		n.a.	T 17
F 18	22 39	12 55	2 51	20 23	1 5	16 9	1 16	6 35	1 14	19 11	0 34	4 31	2 29	2 27	0 39	4 50	2 0	32 23	13 58	20 21	20 0	21 28		n.a.	F 18
S 19	22 31	16 15	1 53	19 52	0 58	15 43	1 14	6 49	1 15	19 14	0 34	4 29	2 29	2 27	0 39	4 50	2 0	32 24	13 58	20 21	19 59	21 28		n.a.	S 19
S 20	22 23	18 52	0 51	19 21	0 52	15 18	1 12	7 4	1 16	19 16	0 34	4 28	2 29	2 27	0 39	4 50	2 0	32 24	13 58	20 21	19 58	21 28		n.a.	S 20
M21	22 14	20 39	0s13	18 49	0 45	14 52	1 10	7 19	1 17	19 19	0 33	4 26	2 29	2 27	0 39	4 50	2 0	32 25	13 58	20 21	19 58	21 27		n.a.	M21
T 22	22 5	21 32	1 16	18 16	0 38	14 25	1 8	7 34	1 18	19 21	0 33	4 24	2 28	2 27	0 39	4 51	2 0	32 25	13 58	20 21	19 57	21 27		n.a.	T 22
W23	21 56	21 27	2 15	17 43	0 31	13 58	1 6	7 50	1 19	19 24	0 33	4 22	2 28	2 27	0 39	4 51	2 0	32 26	13 59	20 20	19 56	21 27		n.a.	W23
T 24	21 46	20 24	3 9	17 10	0 24	13 31	1 3	8 5	1 19	19 26	0 33	4 20	2 28	2 27	0 39	4 51	2 0	32 26	13 59	20 19	19 55	21 27		n.a.	T 24
F 25	21 36	18 27	3 55	16 36	0 16	13 4	1 1	8 20	1 20	19 28	0 33	4 18	2 28	2 27	0 39	4 52	2 0	32 26	13 59	20 17	19 55	21 26		n.a.	F 25
S 26	21 26	15 40	4 31	16 1	0 8	12 36	0 59	8 35	1 21	19 31	0 33	4 16	2 28	2 27	0 39	4 52	2 0	32 27	13 59	20 15	19 54	21 26		n.a.	S 26
S 27	21 15	12 10	4 54	15 27	0 0	12 8	0 56	8 50	1 22	19 33	0 33	4 14	2 27	2 27	0 39	4 52	2 0	32 27	13 59	20 13	19 53	21 26		n.a.	S 27
M28	21 4	8 6	5 4	14 52	0s 8	11 39	0 53	9 5	1 23	19 35	0 33	4 12	2 27	2 27	0 39	4 53	1 59	32 28	13 59	20 11	19 52	21 26		n.a.	M28
T 29	20 52	3 37	5 0	14 17	0 16	11 11	0 51	9 20	1 23	19 37	0 33	4 10	2 27	2 27	0 39	4 53	1 59	32 28	13 59	20 9	19 52	21 25		n.a.	T 29
W30	20 41	1s 5	4 40	13 42	0 24	10 42	0 48	9 35	1 24	19 40	0 33	4 7	2 27	2 26	0 39	4 53	1 59	32 29	13 59	20 7	19 51	21 25		n.a.	W30
T 31	20n28	5s49	4s 5	13n 7	0s33	10n13	0n45	9s51	1s25	19n42	0s33	4n 5	2n27	2n26	0s40	4s54	1n59	32s29	13s59	20s 6	19s50	21n25		n.a.	T 31

Julian Day Number = 1477252.5, Delta T = 05h25m48s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'22, Lahiri = -13°11'22 Julian Calendar 1 July 669 BCE == Greg. Calendar 24 June 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

AUGUST 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 10 30	0♌47'52	18♎31	25♌33	7♍ 0	22♎15	29♉15	25♍29	7°R33	16♎54	6°R 8	28°R25	27♏17	20♊ 4	n.a.	F 1
S 2	20 14 27	1°46'06	2♏ 8	26°51	8°12	22°53	29°25	25°34	7♈32	16°55	6♒ 7	28°D25	27°14	20°10	n.a.	S 2
S 3	20 18 23	2°44'23	16° 3	28° 8	9°23	23°32	29°34	25°39	7°32	16°56	6° 6	28♏25	27°10	20°17	n.a.	S 3
M 4	20 22 20	3°42'41	0♐15	29°22	10°35	24°11	29°43	25°45	7°31	16°57	6° 4	28°R25	27° 7	20°24	n.a.	M 4
T 5	20 26 16	4°41'01	14°44	0♍35	11°46	24°50	29°52	25°50	7°30	16°58	6° 3	28°24	27° 4	20°30	n.a.	T 5
W 6	20 30 13	5°39'23	29°27	1°46	12°58	25°29	0♊ 1	25°55	7°29	16°59	6° 2	28°21	27° 1	20°37	n.a.	W 6
T 7	20 34 9	6°37'46	14♑19	2°56	14° 9	26° 8	0°10	26° 0	7°29	17° 0	6° 1	28°16	26°58	20°43	n.a.	T 7
F 8	20 38 6	7°36'11	29°11	4° 3	15°20	26°47	0°19	26° 6	7°28	17° 1	5°59	28° 7	26°54	20°50	n.a.	F 8
S 9	20 42 2	8°34'39	13♒55	5° 8	16°32	27°27	0°28	26°11	7°27	17° 2	5°58	27°57	26°51	20°57	n.a.	S 9
S 10	20 45 59	9°33'08	28°23	6°10	17°43	28° 6	0°36	26°17	7°26	17° 3	5°57	27°46	26°48	21° 3	n.a.	S 10
M11	20 49 56	10°31'39	12♓29	7°10	18°54	28°46	0°45	26°22	7°25	17° 4	5°56	27°36	26°45	21°10	n.a.	M11
T 12	20 53 52	11°30'12	26° 9	8° 8	20° 5	29°26	0°53	26°28	7°24	17° 5	5°54	27°27	26°42	21°17	n.a.	T 12
W13	20 57 49	12°28'48	9♈21	9° 3	21°16	0♏ 6	1° 1	26°34	7°23	17° 6	5°53	27°21	26°39	21°23	n.a.	W13
T 14	21 1 45	13°27'26	22° 8	9°55	22°27	0°47	1° 9	26°40	7°22	17° 8	5°52	27°17	26°35	21°30	n.a.	T 14
F 15	21 5 42	14°26'06	4♉33	10°44	23°38	1°27	1°17	26°45	7°20	17° 9	5°51	27°15	26°32	21°37	n.a.	F 15
S 16	21 9 38	15°24'49	16°40	11°29	24°49	2° 8	1°25	26°51	7°19	17°10	5°49	27°D15	26°29	21°43	n.a.	S 16
S 17	21 13 35	16°23'34	28°35	12°10	25°59	2°48	1°32	26°57	7°18	17°11	5°48	27°R15	26°26	21°50	n.a.	S 17
M18	21 17 31	17°22'22	10♊24	12°48	27°10	3°29	1°40	27° 3	7°17	17°13	5°47	27°14	26°23	21°57	n.a.	M18
T 19	21 21 28	18°21'11	22°12	13°21	28°21	4°10	1°47	27° 9	7°15	17°14	5°46	27°12	26°20	22° 3	n.a.	T 19
W20	21 25 24	19°20'04	4♋ 3	13°50	29°31	4°51	1°54	27°15	7°14	17°15	5°45	27° 7	26°16	22°10	n.a.	W20
T 21	21 29 21	20°18'58	16° 1	14°14	0♎42	5°32	2° 1	27°21	7°12	17°17	5°43	27° 0	26°13	22°17	n.a.	T 21
F 22	21 33 18	21°17'55	28°10	14°32	1°53	6°13	2° 8	27°27	7°11	17°18	5°42	26°49	26°10	22°23	n.a.	F 22
S 23	21 37 14	22°16'54	10♌32	14°44	3° 3	6°55	2°15	27°34	7° 9	17°20	5°41	26°37	26° 7	22°30	n.a.	S 23
S 24	21 41 11	23°15'55	23° 6	14°R50	4°13	7°36	2°21	27°40	7° 8	17°21	5°40	26°23	26° 4	22°37	n.a.	S 24
M25	21 45 7	24°14'59	5♍54	14°50	5°24	8°18	2°28	27°46	7° 6	17°23	5°39	26°10	26° 0	22°43	n.a.	M25
T 26	21 49 4	25°14'04	18°55	14°42	6°34	9° 0	2°34	27°52	7° 5	17°24	5°37	25°58	25°57	22°50	n.a.	T 26
W27	21 53 0	26°13'11	2♎ 7	14°27	7°44	9°42	2°40	27°59	7° 3	17°26	5°36	25°48	25°54	22°57	n.a.	W27
T 28	21 56 57	27°12'21	15°30	14° 5	8°54	10°24	2°46	28° 5	7° 1	17°27	5°35	25°40	25°51	23° 3	n.a.	T 28
F 29	22 0 53	28°11'32	29° 3	13°35	10° 4	11° 6	2°52	28°12	6°59	17°29	5°34	25°36	25°48	23°10	n.a.	F 29
S 30	22 4 50	29°10'46	12♏46	12°57	11°14	11°48	2°57	28°18	6°58	17°31	5°33	25°35	25°45	23°17	n.a.	S 30
S 31	22 8 46	0♍10'01	26♏39	12♍11	12♎24	12♏31	3♊ 3	28♍25	6♈56	17♎32	5♒32	25♏34	25♏41	23♊23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n16	10s22	3s16	12n32	0s42	9n43	0n43	10s 6	1s25	19n44	0s33	4n 3	2n26	2n26	0s40	4s54	1n59	32s29	13s59	20s 5	19s50	21n24		n.a.
S 2	20 3	14 30	2 16	11 57	0 50	9 13	0 40	10 21	1 26	19 46	0 33	4 1	2 26	2 26	0 40	4 54	1 59	32 30	13 59	20 5	19 49	21 24		n.a.
S 3	19 49	17 55	1 6	11 22	0 59	8 43	0 37	10 36	1 27	19 48	0 33	3 59	2 26	2 25	0 40	4 55	1 59	32 30	13 59	20 5	19 48	21 24		n.a.
M 4	19 36	20 20	0n10	10 47	1 8	8 13	0 34	10 51	1 27	19 50	0 33	3 56	2 26	2 25	0 40	4 55	1 59	32 31	14 0	20 5	19 47	21 23		n.a.
T 5	19 22	21 28	1 26	10 13	1 17	7 43	0 31	11 6	1 28	19 52	0 33	3 54	2 26	2 25	0 40	4 56	1 59	32 31	14 0	20 5	19 47	21 23		n.a.
W 6	19 7	21 9	2 37	9 39	1 26	7 12	0 27	11 21	1 29	19 54	0 33	3 52	2 26	2 24	0 40	4 56	1 59	32 31	14 0	20 4	19 46	21 23		n.a.
T 7	18 53	19 22	3 39	9 6	1 35	6 42	0 24	11 37	1 29	19 56	0 33	3 50	2 25	2 24	0 40	4 57	1 59	32 32	14 0	20 3	19 45	21 22		n.a.
F 8	18 38	16 17	4 25	8 33	1 44	6 11	0 21	11 52	1 30	19 58	0 33	3 47	2 25	2 24	0 40	4 57	1 59	32 32	14 0	20 1	19 44	21 22		n.a.
S 9	18 22	12 12	4 53	8 1	1 53	5 40	0 18	12 7	1 30	20 0	0 33	3 45	2 25	2 23	0 40	4 57	1 59	32 32	14 0	19 59	19 44	21 22		n.a.
S 10	18 7	7 29	5 2	7 30	2 2	5 9	0 14	12 22	1 31	20 2	0 33	3 43	2 25	2 23	0 40	4 58	1 59	32 33	14 0	19 56	19 43	21 21		n.a.
M11	17 51	2 28	4 52	6 59	2 10	4 37	0 11	12 37	1 31	20 3	0 33	3 40	2 25	2 22	0 40	4 58	1 59	32 33	14 0	19 54	19 42	21 21		n.a.
T 12	17 34	2n30	4 26	6 29	2 19	4 6	0 8	12 51	1 32	20 5	0 33	3 38	2 25	2 22	0 40	4 59	1 58	32 33	14 0	19 52	19 41	21 21		n.a.
W13	17 18	7 12	3 45	6 0	2 28	3 34	0 4	13 6	1 32	20 7	0 33	3 35	2 24	2 22	0 40	4 59	1 58	32 34	14 0	19 50	19 41	21 20		n.a.
T 14	17 1	11 26	2 55	5 33	2 36	3 3	0 1	13 21	1 33	20 8	0 33	3 33	2 24	2 21	0 40	5 0	1 58	32 34	14 0	19 50	19 40	21 20		n.a.
F 15	16 44	15 3	1 57	5 7	2 44	2 31	0s 3	13 36	1 33	20 10	0 33	3 30	2 24	2 21	0 40	5 0	1 58	32 34	14 0	19 49	19 39	21 19		n.a.
S 16	16 26	17 57	0 56	4 42	2 52	1 59	0 7	13 51	1 34	20 12	0 33	3 28	2 24	2 20	0 40	5 1	1 58	32 35	14 0	19 49	19 38	21 19		n.a.
S 17	16 9	20 0	0s 7	4 19	3 0	1 28	0 10	14 5	1 34	20 13	0 33	3 25	2 24	2 20	0 40	5 2	1 58	32 35	14 0	19 49	19 38	21 19		n.a.
M18	15 51	21 11	1 9	3 58	3 8	0 56	0 14	14 20	1 35	20 15	0 33	3 23	2 24	2 19	0 40	5 2	1 58	32 35	14 0	19 49	19 37	21 18		n.a.
T 19	15 32	21 24	2 8	3 38	3 15	0 24	0 18	14 34	1 35	20 16	0 33	3 20	2 24	2 18	0 40	5 3	1 58	32 36	14 0	19 48	19 36	21 18		n.a.
W20	15 14	20 41	3 2	3 21	3 21	0s 8	0 21	14 49	1 36	20 18	0 33	3 18	2 23	2 18	0 40	5 3	1 58	32 36	14 0	19 47	19 35	21 17		n.a.
T 21	14 55	19 2	3 48	3 7	3 27	0 40	0 25	15 3	1 36	20 19	0 33	3 15	2 23	2 17	0 40	5 4	1 58	32 36	13 59	19 46	19 35	21 17		n.a.
F 22	14 36	16 30	4 24	2 55	3 32	1 12	0 29	15 18	1 36	20 21	0 33	3 13	2 23	2 17	0 40	5 4	1 58	32 37	13 59	19 43	19 34	21 17		n.a.
S 23	14 17	13 13	4 49	2 46	3 37	1 44	0 33	15 32	1 37	20 22	0 33	3 10	2 23	2 16	0 40	5 5	1 58	32 37	13 59	19 40	19 33	21 16		n.a.
S 24	13 57	9 17	5 0	2 40	3 41	2 16	0 37	15 46	1 37	20 23	0 33	3 7	2 23	2 15	0 40	5 6	1 58	32 37	13 59	19 37	19 32	21 16		n.a.
M25	13 37	4 54	4 56	2 38	3 44	2 48	0 41	16 0	1 37	20 25	0 33	3 5	2 23	2 15	0 40	5 6	1 58	32 37	13 59	19 34	19 32	21 15		n.a.
T 26	13 17	0 13	4 37	2 39	3 45	3 19	0 45	16 14	1 38	20 26	0 33	3 2	2 23	2 14	0 40	5 7	1 58	32 38	13 59	19 31	19 31	21 15		n.a.
W27	12 57	4s33	4 3	2 44	3 46	3 51	0 49	16 28	1 38	20 27	0 33	2 59	2 23	2 13	0 40	5 8	1 58	32 38	13 59	19 28	19 30	21 15		n.a.
T 28	12 37	9 10	3 15	2 54	3 45	4 23	0 52	16 42	1 38	20 28	0 33	2 57	2 22	2 13	0 40	5 8	1 58	32 38	13 59	19 27	19 29	21 14		n.a.
F 29	12 16	13 23	2 15	3 8	3 42	4 54	0 56	16 56	1 39	20 30	0 33	2 54	2 22	2 12	0 40	5 9	1 58	32 38	13 59	19 26	19 29	21 14		n.a.
S 30	11 55	16 57	1 7	3 26	3 38	5 26	1 0	17 9	1 39	20 31	0 33	2 51	2 22	2 11	0 40	5 10	1 57	32 38	13 59	19 25	19 28	21 13		n.a.
S 31	11n34	19s35	0n 6	3n49	3s32	5s57	1s 4	17s23	1s39	20n32	0s32	2n49	2n22	2n10	0s40	5s10	1n57	32s39	13s59	19s25	19s27	21n13		n.a.

Julian Day Number = 1477283.5, Delta T = 05h25m46s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'18, Lahiri = -13°11'17 Julian Calendar 1 Aug. 669 BCE == Greg. Calendar 25 July 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

SEPTEMBER 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 12 43	1♍ 9'18	10♐42	11°R19	13♎34	13♏13	3♊ 8	28♍31	6°R54	17♎34	5°R31	25°R34	25♏38	23♊30	n.a.	M 1
T 2	22 16 40	2° 8'37	24°55	10♍20	14°43	13°56	3°13	28°38	6♈52	17°36	5♒29	25♏33	25°35	23°37	n.a.	T 2
W 3	22 20 36	3° 7'58	9♑16	9°16	15°53	14°38	3°18	28°44	6°50	17°37	5°28	25°29	25°32	23°43	n.a.	W 3
T 4	22 24 33	4° 7'21	23°43	8° 7	17° 2	15°21	3°23	28°51	6°48	17°39	5°27	25°23	25°29	23°50	n.a.	T 4
F 5	22 28 29	5° 6'45	8♒10	6°56	18°12	16° 4	3°27	28°58	6°46	17°41	5°26	25°14	25°25	23°57	n.a.	F 5
S 6	22 32 26	6° 6'12	22°32	5°45	19°21	16°47	3°32	29° 4	6°44	17°43	5°25	25° 3	25°22	24° 3	n.a.	S 6
S 7	22 36 22	7° 5'41	6♓42	4°35	20°30	17°30	3°36	29°11	6°42	17°44	5°24	24°51	25°19	24°10	n.a.	S 7
M 8	22 40 19	8° 5'12	20°35	3°28	21°39	18°13	3°40	29°18	6°40	17°46	5°23	24°39	25°16	24°17	n.a.	M 8
T 9	22 44 15	9° 4'45	4♈ 7	2°26	22°48	18°56	3°44	29°25	6°38	17°48	5°22	24°29	25°13	24°23	n.a.	T 9
W10	22 48 12	10° 4'20	17°15	1°32	23°57	19°40	3°48	29°31	6°36	17°50	5°21	24°22	25°10	24°30	n.a.	W10
T 11	22 52 9	11° 3'58	0♉ 1	0°46	25° 6	20°23	3°51	29°38	6°34	17°52	5°20	24°17	25° 6	24°37	n.a.	T 11
F 12	22 56 5	12° 3'38	12°26	0° 9	26°14	21° 6	3°55	29°45	6°32	17°54	5°19	24°14	25° 3	24°43	n.a.	F 12
S 13	23 0 2	13° 3'20	24°34	29♌44	27°23	21°50	3°58	29°52	6°29	17°56	5°18	24°D14	25° 0	24°50	n.a.	S 13
S 14	23 3 58	14° 3'05	6♊31	29°29	28°31	22°34	4° 1	29°59	6°27	17°57	5°17	24°14	24°57	24°57	n.a.	S 14
M15	23 7 55	15° 2'52	18°21	29°D26	29°39	23°17	4° 4	0♎ 6	6°25	17°59	5°16	24°R14	24°54	25° 3	n.a.	M15
T 16	23 11 51	16° 2'42	0♋10	29°34	0♏48	24° 1	4° 6	0°13	6°23	18° 1	5°15	24°13	24°51	25°10	n.a.	T 16
W17	23 15 48	17° 2'34	12° 3	29°52	1°56	24°45	4° 9	0°20	6°20	18° 3	5°14	24°10	24°47	25°17	n.a.	W17
T 18	23 19 44	18° 2'28	24° 5	0♍21	3° 4	25°29	4°11	0°27	6°18	18° 5	5°14	24° 4	24°44	25°23	n.a.	T 18
F 19	23 23 41	19° 2'24	6♌20	0°59	4°11	26°13	4°13	0°34	6°16	18° 7	5°13	23°56	24°41	25°30	n.a.	F 19
S 20	23 27 37	20° 2'23	18°51	1°45	5°19	26°57	4°15	0°41	6°13	18° 9	5°12	23°46	24°38	25°37	n.a.	S 20
S 21	23 31 34	21° 2'24	1♍39	2°39	6°27	27°41	4°16	0°48	6°11	18°11	5°11	23°35	24°35	25°43	n.a.	S 21
M22	23 35 31	22° 2'27	14°46	3°40	7°34	28°26	4°18	0°55	6° 9	18°14	5°10	23°24	24°31	25°50	n.a.	M22
T 23	23 39 27	23° 2'32	28° 8	4°47	8°41	29°10	4°19	1° 2	6° 6	18°16	5°10	23°13	24°28	25°57	n.a.	T 23
W24	23 43 24	24° 2'39	11♎45	6° 0	9°48	29°54	4°20	1° 9	6° 4	18°18	5° 9	23° 5	24°25	26° 3	n.a.	W24
T 25	23 47 20	25° 2'48	25°32	7°16	10°55	0♐39	4°21	1°16	6° 1	18°20	5° 8	22°59	24°22	26°10	n.a.	T 25
F 26	23 51 17	26° 2'59	9♏28	8°37	12° 2	1°23	4°22	1°23	5°59	18°22	5° 7	22°56	24°19	26°17	n.a.	F 26
S 27	23 55 13	27° 3'11	23°29	10° 1	13° 8	2° 8	4°22	1°30	5°56	18°24	5° 7	22°D55	24°16	26°23	n.a.	S 27
S 28	23 59 10	28° 3'25	7♐34	11°28	14°15	2°53	4°22	1°37	5°54	18°26	5° 6	22°56	24°12	26°30	n.a.	S 28
M29	0 3 6	29° 3'41	21°40	12°57	15°21	3°37	4°R22	1°44	5°52	18°28	5° 5	22°57	24° 9	26°37	n.a.	M29
T 30	0 7 3	0♎ 3'59	5♑47	14♍28	16♏27	4♐22	4♊22	1♎51	5♈49	18♎30	5♒ 5	22°R57	24♏ 6	26♊43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n13	21s 3	1n19	4n16	3s24	6s28	1s 8	17s36	1s39	20n33	0s32	2n46	2n22	2n10	0s40	5s11	1n57	32s39	13s59	19s25	19s26	21n12		n.a.
T 2	10 51	21 12	2 29	4 48	3 15	6 59	1 12	17 49	1 40	20 34	0 32	2 43	2 22	2 9	0 40	5 12	1 57	32 39	13 58	19 25	19 25	21 12		n.a.
W 3	10 30	19 58	3 29	5 23	3 3	7 30	1 16	18 3	1 40	20 35	0 32	2 40	2 22	2 8	0 40	5 12	1 57	32 39	13 58	19 24	19 25	21 11		n.a.
T 4	10 8	17 27	4 17	6 2	2 49	8 1	1 20	18 16	1 40	20 36	0 32	2 38	2 22	2 7	0 40	5 13	1 57	32 39	13 58	19 23	19 24	21 11		n.a.
F 5	9 46	13 51	4 48	6 43	2 33	8 32	1 24	18 28	1 40	20 37	0 32	2 35	2 22	2 7	0 40	5 14	1 57	32 40	13 58	19 20	19 23	21 10		n.a.
S 6	9 24	9 28	5 1	7 26	2 16	9 2	1 28	18 41	1 41	20 38	0 32	2 32	2 22	2 6	0 40	5 15	1 57	32 40	13 58	19 18	19 22	21 10		n.a.
S 7	9 2	4 37	4 55	8 9	1 57	9 32	1 32	18 54	1 41	20 38	0 32	2 29	2 21	2 5	0 40	5 15	1 57	32 40	13 58	19 15	19 22	21 10		n.a.
M 8	8 39	0n22	4 31	8 51	1 38	10 2	1 36	19 6	1 41	20 39	0 32	2 26	2 21	2 4	0 40	5 16	1 57	32 40	13 58	19 12	19 21	21 9		n.a.
T 9	8 17	5 12	3 53	9 33	1 18	10 32	1 40	19 19	1 41	20 40	0 32	2 24	2 21	2 3	0 40	5 17	1 57	32 40	13 57	19 9	19 20	21 9		n.a.
W10	7 54	9 40	3 3	10 11	0 57	11 2	1 44	19 31	1 41	20 41	0 32	2 21	2 21	2 2	0 40	5 18	1 57	32 40	13 57	19 7	19 19	21 8		n.a.
T 11	7 31	13 35	2 5	10 47	0 37	11 31	1 48	19 43	1 41	20 41	0 32	2 18	2 21	2 1	0 40	5 18	1 57	32 40	13 57	19 6	19 19	21 8		n.a.
F 12	7 8	16 46	1 2	11 18	0 17	12 0	1 52	19 55	1 41	20 42	0 32	2 15	2 21	2 1	0 40	5 19	1 57	32 40	13 57	19 6	19 18	21 7		n.a.
S 13	6 45	19 9	0s 2	11 45	0n 2	12 29	1 56	20 7	1 41	20 43	0 32	2 12	2 21	2 0	0 40	5 20	1 57	32 41	13 57	19 5	19 17	21 7		n.a.
S 14	6 22	20 38	1 5	12 7	0 19	12 58	2 0	20 18	1 42	20 43	0 32	2 9	2 21	1 59	0 40	5 21	1 57	32 41	13 57	19 6	19 16	21 6		n.a.
M15	5 58	21 11	2 5	12 23	0 36	13 26	2 4	20 30	1 42	20 44	0 32	2 7	2 21	1 58	0 40	5 21	1 57	32 41	13 56	19 6	19 15	21 6		n.a.
T 16	5 35	20 47	2 59	12 35	0 51	13 54	2 7	20 41	1 42	20 44	0 32	2 4	2 21	1 57	0 40	5 22	1 57	32 41	13 56	19 5	19 15	21 5		n.a.
W17	5 11	19 28	3 46	12 41	1 5	14 21	2 11	20 52	1 42	20 45	0 32	2 1	2 21	1 56	0 40	5 23	1 57	32 41	13 56	19 5	19 14	21 4		n.a.
T 18	4 47	17 16	4 23	12 42	1 17	14 49	2 15	21 3	1 42	20 45	0 32	1 58	2 21	1 55	0 40	5 24	1 57	32 41	13 56	19 3	19 13	21 4		n.a.
F 19	4 24	14 17	4 50	12 39	1 28	15 16	2 19	21 13	1 42	20 46	0 32	1 55	2 21	1 54	0 40	5 25	1 57	32 41	13 56	19 1	19 12	21 3		n.a.
S 20	4 0	10 36	5 2	12 30	1 37	15 42	2 22	21 24	1 42	20 46	0 32	1 52	2 21	1 53	0 40	5 25	1 57	32 41	13 55	18 59	19 12	21 3		n.a.
S 21	3 36	6 22	5 1	12 18	1 45	16 9	2 26	21 34	1 42	20 46	0 32	1 49	2 21	1 52	0 40	5 26	1 57	32 41	13 55	18 56	19 11	21 2		n.a.
M22	3 12	1 44	4 43	12 1	1 51	16 35	2 29	21 44	1 42	20 47	0 32	1 47	2 21	1 51	0 40	5 27	1 57	32 41	13 55	18 53	19 10	21 2		n.a.
T 23	2 48	3s 3	4 10	11 41	1 56	17 0	2 33	21 54	1 42	20 47	0 32	1 44	2 21	1 50	0 40	5 28	1 57	32 41	13 55	18 50	19 9	21 1		n.a.
W24	2 24	7 48	3 22	11 18	2 0	17 25	2 36	22 4	1 42	20 47	0 32	1 41	2 21	1 49	0 40	5 29	1 57	32 41	13 55	18 48	19 8	21 1		n.a.
T 25	2 0	12 12	2 21	10 51	2 3	17 50	2 40	22 14	1 42	20 47	0 32	1 38	2 21	1 48	0 40	5 30	1 57	32 41	13 54	18 47	19 8	21 0		n.a.
F 26	1 35	15 59	1 12	10 22	2 5	18 14	2 43	22 23	1 42	20 47	0 32	1 35	2 21	1 47	0 40	5 30	1 56	32 41	13 54	18 46	19 7	21 0		n.a.
S 27	1 11	18 51	0n 3	9 51	2 6	18 38	2 46	22 32	1 42	20 48	0 32	1 32	2 21	1 46	0 40	5 31	1 56	32 41	13 54	18 46	19 6	20 59		n.a.
S 28	0 47	20 36	1 18	9 18	2 6	19 2	2 49	22 41	1 42	20 48	0 32	1 29	2 21	1 45	0 40	5 32	1 56	32 41	13 54	18 46	19 5	20 58		n.a.
M29	0 23	21 3	2 28	8 42	2 5	19 25	2 52	22 50	1 41	20 48	0 32	1 27	2 21	1 45	0 40	5 33	1 56	32 41	13 53	18 46	19 4	20 58		n.a.
T 30	0s 2	20s 9	3n30	8n 5	2n 3	19s47	2s55	22s58	1s41	20n48	0s32	1n24	2n21	1n44	0s40	5s34	1n56	32s41	13s53	18s46	19s 4	20n57		n.a.

Julian Day Number = 1477314.5, Delta T = 05h25m45s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'14, Lahiri = -13°11'13 Julian Calendar 1 Sept. 669 BCE == Greg. Calendar 25 Aug. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

OCTOBER 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 11 0	1♎ 4'18	19♉54	16♍ 1	17♏33	5♐ 7	4°R22	1♎58	5°R47	18♎33	5°R 4	22°R55	24♏ 3	26♊50	n.a.	W 1
T 2	0 14 56	2° 4'38	4♒ 0	17°34	18°38	5°52	4♊21	2° 6	5♈44	18°35	5♒ 3	22♏51	24° 0	26°57	n.a.	T 2
F 3	0 18 53	3° 5'00	18° 0	19° 9	19°44	6°37	4°21	2°13	5°42	18°37	5° 3	22°45	23°57	27° 3	n.a.	F 3
S 4	0 22 49	4° 5'24	1♓54	20°44	20°49	7°22	4°20	2°20	5°39	18°39	5° 2	22°38	23°53	27°10	n.a.	S 4
S 5	0 26 46	5° 5'49	15°37	22°20	21°54	8° 7	4°19	2°27	5°37	18°41	5° 2	22°29	23°50	27°17	n.a.	S 5
M 6	0 30 42	6° 6'16	29° 7	23°57	22°58	8°52	4°17	2°34	5°34	18°44	5° 1	22°21	23°47	27°23	n.a.	M 6
T 7	0 34 39	7° 6'45	12♈20	25°34	24° 3	9°37	4°16	2°41	5°32	18°46	5° 1	22°14	23°44	27°30	n.a.	T 7
W 8	0 38 35	8° 7'15	25°16	27°10	25° 7	10°22	4°14	2°48	5°29	18°48	5° 0	22° 9	23°41	27°37	n.a.	W 8
T 9	0 42 32	9° 7'47	7♉53	28°47	26°11	11° 8	4°12	2°55	5°27	18°50	5° 0	22° 6	23°37	27°43	n.a.	T 9
F 10	0 46 28	10° 8'21	20°14	0♎24	27°15	11°53	4°10	3° 2	5°24	18°53	4°59	22°D 5	23°34	27°50	n.a.	F 10
S 11	0 50 25	11° 8'57	2♊21	2° 1	28°18	12°38	4° 7	3° 9	5°22	18°55	4°59	22° 5	23°31	27°57	n.a.	S 11
S 12	0 54 22	12° 9'35	14°18	3°38	29°21	13°24	4° 5	3°16	5°19	18°57	4°59	22° 7	23°28	28° 3	n.a.	S 12
M13	0 58 18	13°10'14	26° 8	5°15	0♐24	14° 9	4° 2	3°23	5°17	18°59	4°58	22° 8	23°25	28°10	n.a.	M13
T 14	1 2 15	14°10'56	7♋57	6°51	1°26	14°55	3°59	3°30	5°14	19° 1	4°58	22° 9	23°22	28°17	n.a.	T 14
W15	1 6 11	15°11'39	19°50	8°28	2°28	15°40	3°56	3°37	5°12	19° 4	4°58	22°R10	23°18	28°23	n.a.	W15
T 16	1 10 8	16°12'24	1♌53	10° 4	3°30	16°26	3°53	3°44	5°10	19° 6	4°58	22° 8	23°15	28°30	n.a.	T 16
F 17	1 14 4	17°13'11	14° 9	11°40	4°32	17°11	3°49	3°51	5° 7	19° 8	4°57	22° 5	23°12	28°37	n.a.	F 17
S 18	1 18 1	18°13'59	26°42	13°16	5°33	17°57	3°46	3°58	5° 5	19°11	4°57	22° 1	23° 9	28°43	n.a.	S 18
S 19	1 21 57	19°14'49	9♍37	14°52	6°34	18°42	3°42	4° 5	5° 2	19°13	4°57	21°55	23° 6	28°50	n.a.	S 19
M20	1 25 54	20°15'41	22°53	16°27	7°34	19°28	3°38	4°12	5° 0	19°15	4°57	21°50	23° 2	28°57	n.a.	M20
T 21	1 29 51	21°16'34	6♎32	18° 3	8°34	20°14	3°33	4°19	4°58	19°17	4°57	21°45	22°59	29° 3	n.a.	T 21
W22	1 33 47	22°17'28	20°30	19°38	9°34	21° 0	3°29	4°26	4°55	19°20	4°56	21°41	22°56	29°10	n.a.	W22
T 23	1 37 44	23°18'24	4♏43	21°13	10°33	21°45	3°24	4°33	4°53	19°22	4°56	21°38	22°53	29°17	n.a.	T 23
F 24	1 41 40	24°19'21	19° 7	22°48	11°31	22°31	3°20	4°40	4°51	19°24	4°56	21°D37	22°50	29°23	n.a.	F 24
S 25	1 45 37	25°20'19	3♐35	24°22	12°30	23°17	3°15	4°46	4°48	19°26	4°56	21°38	22°47	29°30	n.a.	S 25
S 26	1 49 33	26°21'18	18° 4	25°57	13°28	24° 3	3°10	4°53	4°46	19°29	4°D56	21°39	22°43	29°37	n.a.	S 26
M27	1 53 30	27°22'19	2♑28	27°31	14°25	24°49	3° 4	5° 0	4°44	19°31	4°56	21°41	22°40	29°43	n.a.	M27
T 28	1 57 26	28°23'20	16°44	29° 6	15°22	25°35	2°59	5° 7	4°42	19°33	4°56	21°42	22°37	29°50	n.a.	T 28
W29	2 1 23	29°24'21	0♒50	0♏40	16°18	26°21	2°53	5°13	4°39	19°35	4°56	21°R42	22°34	29°57	n.a.	W29
T 30	2 5 20	0♏25'24	14°45	2°15	17°13	27° 7	2°47	5°20	4°37	19°37	4°56	21°41	22°31	0♋ 3	n.a.	T 30
F 31	2 9 16	1♏26'27	28♒28	3♏49	18♐ 9	27♐53	2♊42	5♎27	4♈35	19♎40	4♒56	21♏40	22♏28	0♋10	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	0s26	18s 1	4n18	7n27	2n 1	20s 9	2s58	23s 7	1s41	20n48	0s32	1n21	2n21	1n43	0s40	5s35	1n56	32s41	13s53	18s46	19s 3	20n57			n.a.
T 2	0 50	14 49	4 51	6 48	1 59	20 31	3 1	23 15	1 41	20 48	0 32	1 18	2 21	1 42	0 40	5 35	1 56	32 40	13 53	18 45	19 2	20 56			n.a.
F 3	1 15	10 48	5 6	6 7	1 55	20 52	3 4	23 22	1 41	20 48	0 32	1 15	2 21	1 41	0 40	5 36	1 56	32 40	13 52	18 43	19 1	20 56			n.a.
S 4	1 39	6 14	5 3	5 26	1 52	21 12	3 7	23 30	1 41	20 47	0 32	1 12	2 21	1 40	0 40	5 37	1 56	32 40	13 52	18 41	19 0	20 55			n.a.
S 5	2 3	1 24	4 43	4 44	1 48	21 32	3 9	23 37	1 41	20 47	0 31	1 9	2 21	1 39	0 40	5 38	1 56	32 40	13 52	18 39	19 0	20 54			n.a.
M 6	2 27	3n24	4 7	4 1	1 43	21 52	3 12	23 45	1 41	20 47	0 31	1 7	2 21	1 38	0 40	5 39	1 56	32 40	13 52	18 37	18 59	20 54			n.a.
T 7	2 52	7 58	3 18	3 18	1 39	22 11	3 14	23 51	1 40	20 47	0 31	1 4	2 21	1 37	0 40	5 40	1 56	32 40	13 51	18 35	18 58	20 53			n.a.
W 8	3 16	12 4	2 20	2 34	1 33	22 29	3 17	23 58	1 40	20 46	0 31	1 1	2 21	1 36	0 40	5 41	1 56	32 40	13 51	18 34	18 57	20 53			n.a.
T 9	3 40	15 32	1 16	1 50	1 28	22 47	3 19	24 4	1 40	20 46	0 31	0 58	2 21	1 35	0 40	5 41	1 56	32 40	13 51	18 33	18 56	20 52			n.a.
F 10	4 4	18 13	0 10	1 6	1 23	23 4	3 21	24 11	1 40	20 46	0 31	0 55	2 21	1 34	0 40	5 42	1 56	32 40	13 51	18 33	18 56	20 51			n.a.
S 11	4 28	20 1	0s56	0 21	1 17	23 21	3 23	24 17	1 40	20 45	0 31	0 52	2 21	1 33	0 40	5 43	1 56	32 39	13 50	18 33	18 55	20 51			n.a.
S 12	4 52	20 53	1 58	0s23	1 11	23 37	3 25	24 22	1 39	20 45	0 31	0 50	2 21	1 32	0 40	5 44	1 56	32 39	13 50	18 33	18 54	20 50			n.a.
M13	5 16	20 48	2 55	1 7	1 5	23 53	3 27	24 28	1 39	20 45	0 31	0 47	2 21	1 31	0 40	5 45	1 56	32 39	13 50	18 34	18 53	20 49			n.a.
T 14	5 40	19 48	3 44	1 52	0 59	24 8	3 28	24 33	1 39	20 44	0 31	0 44	2 21	1 30	0 40	5 46	1 56	32 39	13 49	18 34	18 52	20 49			n.a.
W15	6 4	17 56	4 24	2 36	0 52	24 22	3 30	24 38	1 39	20 43	0 31	0 41	2 21	1 29	0 40	5 47	1 56	32 39	13 49	18 34	18 52	20 48			n.a.
T 16	6 28	15 16	4 53	3 20	0 46	24 36	3 31	24 42	1 38	20 43	0 31	0 39	2 21	1 28	0 40	5 48	1 56	32 38	13 49	18 33	18 51	20 47			n.a.
F 17	6 51	11 53	5 9	4 4	0 40	24 49	3 32	24 47	1 38	20 42	0 31	0 36	2 21	1 27	0 40	5 48	1 56	32 38	13 49	18 33	18 50	20 47			n.a.
S 18	7 15	7 55	5 11	4 48	0 33	25 2	3 33	24 51	1 38	20 42	0 31	0 33	2 21	1 26	0 40	5 49	1 56	32 38	13 48	18 32	18 49	20 46			n.a.
S 19	7 38	3 29	4 58	5 32	0 27	25 13	3 34	24 54	1 38	20 41	0 31	0 30	2 21	1 25	0 40	5 50	1 56	32 38	13 48	18 30	18 48	20 46			n.a.
M20	8 2	1s14	4 28	6 15	0 20	25 25	3 35	24 58	1 37	20 40	0 31	0 28	2 21	1 24	0 40	5 51	1 56	32 38	13 48	18 29	18 48	20 45			n.a.
T 21	8 25	6 1	3 42	6 58	0 13	25 35	3 36	25 1	1 37	20 40	0 31	0 25	2 21	1 23	0 40	5 52	1 56	32 37	13 47	18 27	18 47	20 44			n.a.
W22	8 48	10 37	2 43	7 41	0 7	25 45	3 36	25 4	1 37	20 39	0 31	0 22	2 21	1 22	0 40	5 53	1 56	32 37	13 47	18 26	18 46	20 44			n.a.
T 23	9 11	14 42	1 32	8 23	0 0	25 55	3 37	25 7	1 36	20 38	0 30	0 19	2 21	1 21	0 40	5 54	1 56	32 37	13 47	18 26	18 45	20 43			n.a.
F 24	9 33	17 58	0 14	9 5	0s 6	26 3	3 37	25 9	1 36	20 37	0 30	0 17	2 21	1 20	0 40	5 54	1 56	32 36	13 47	18 25	18 44	20 42			n.a.
S 25	9 56	20 6	1n 5	9 47	0 13	26 11	3 37	25 12	1 36	20 36	0 30	0 14	2 21	1 19	0 40	5 55	1 56	32 36	13 46	18 25	18 43	20 41			n.a.
S 26	10 19	20 54	2 20	10 28	0 19	26 19	3 37	25 14	1 35	20 35	0 30	0 11	2 21	1 18	0 40	5 56	1 56	32 36	13 46	18 26	18 43	20 41			n.a.
M27	10 41	20 19	3 26	11 8	0 26	26 26	3 36	25 15	1 35	20 34	0 30	0 9	2 22	1 18	0 40	5 57	1 56	32 36	13 46	18 26	18 42	20 40			n.a.
T 28	11 3	18 26	4 19	11 48	0 32	26 32	3 36	25 16	1 35	20 33	0 30	0 6	2 22	1 17	0 40	5 58	1 56	32 35	13 45	18 27	18 41	20 39			n.a.
W29	11 25	15 27	4 55	12 28	0 38	26 37	3 35	25 18	1 34	20 32	0 30	0 4	2 22	1 16	0 40	5 59	1 56	32 35	13 45	18 27	18 40	20 39			n.a.
T 30	11 47	11 39	5 13	13 7	0 44	26 42	3 34	25 18	1 34	20 31	0 30	0 1	2 22	1 15	0 40	6 0	1 56	32 35	13 45	18 26	18 39	20 38			n.a.
F 31	12s 8	7s17	5n13	13s45	0s51	26s46	3s33	25s19	1s33	20n30	0s30	0s 2	2n22	1n14	0s40	6s 0	1n56	32s34	13s44	18s26	18s39	20n37			n.a.

Julian Day Number = 1477344.5, Delta T = 05h25m43s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'09, Lahiri = -13°11'09 Julian Calendar 1 Oct. 669 BCE == Greg. Calendar 24 Sept. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

NOVEMBER 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 13 13	2♏27'31	11♓57	5♏23	19♐ 3	28♐39	2°R35	5♎33	4°R33	19♎42	4♒57	21°R37	22♏24	0♋17	n.a.	S 1
S 2	2 17 9	3°28'35	25°14	6°57	19°57	29°25	2♊29	5°40	4♈31	19°44	4°57	21♏35	22°21	0°23	n.a.	S 2
M 3	2 21 6	4°29'41	8♈17	8°31	20°50	0♑11	2°23	5°46	4°29	19°46	4°57	21°32	22°18	0°30	n.a.	M 3
T 4	2 25 2	5°30'47	21° 7	10° 6	21°42	0°57	2°16	5°53	4°27	19°49	4°57	21°30	22°15	0°37	n.a.	T 4
W 5	2 28 59	6°31'54	3♉44	11°40	22°34	1°43	2°10	5°59	4°25	19°51	4°57	21°28	22°12	0°43	n.a.	W 5
T 6	2 32 55	7°33'01	16° 8	13°14	23°25	2°29	2° 3	6° 6	4°23	19°53	4°58	21°D27	22° 8	0°50	n.a.	T 6
F 7	2 36 52	8°34'10	28°20	14°49	24°15	3°15	1°56	6°12	4°21	19°55	4°58	21°27	22° 5	0°57	n.a.	F 7
S 8	2 40 49	9°35'19	10♊22	16°23	25° 4	4° 1	1°49	6°19	4°19	19°57	4°58	21°28	22° 2	1° 3	n.a.	S 8
S 9	2 44 45	10°36'30	22°17	17°57	25°53	4°47	1°42	6°25	4°17	19°59	4°59	21°29	21°59	1°10	n.a.	S 9
M10	2 48 42	11°37'41	4♋ 7	19°32	26°41	5°33	1°35	6°31	4°15	20° 2	4°59	21°30	21°56	1°17	n.a.	M10
T 11	2 52 38	12°38'53	15°56	21° 7	27°27	6°19	1°28	6°37	4°13	20° 4	4°59	21°31	21°53	1°24	n.a.	T 11
W12	2 56 35	13°40'05	27°48	22°41	28°13	7° 5	1°20	6°43	4°12	20° 6	5° 0	21°32	21°49	1°30	n.a.	W12
T 13	3 0 31	14°41'19	9♌49	24°16	28°58	7°51	1°13	6°50	4°10	20° 8	5° 0	21°R32	21°46	1°37	n.a.	T 13
F 14	3 4 28	15°42'33	22° 1	25°51	29°42	8°37	1° 5	6°56	4° 8	20°10	5° 1	21°32	21°43	1°44	n.a.	F 14
S 15	3 8 25	16°43'48	4♍31	27°26	0♑24	9°23	0°58	7° 2	4° 7	20°12	5° 1	21°32	21°40	1°50	n.a.	S 15
S 16	3 12 21	17°45'04	17°23	29° 0	1° 6	10°10	0°50	7° 8	4° 5	20°14	5° 2	21°32	21°37	1°57	n.a.	S 16
M17	3 16 18	18°46'20	0♎38	0♐35	1°46	10°56	0°42	7°14	4° 3	20°16	5° 2	21°31	21°33	2° 4	n.a.	M17
T 18	3 20 14	19°47'37	14°19	2°10	2°26	11°42	0°34	7°19	4° 2	20°18	5° 3	21°31	21°30	2°10	n.a.	T 18
W19	3 24 11	20°48'54	28°26	3°44	3° 3	12°28	0°26	7°25	4° 0	20°20	5° 3	21°31	21°27	2°17	n.a.	W19
T 20	3 28 7	21°50'12	12♏55	5°18	3°40	13°14	0°18	7°31	3°59	20°22	5° 4	21°D31	21°24	2°24	n.a.	T 20
F 21	3 32 4	22°51'30	27°41	6°52	4°15	14° 0	0°10	7°37	3°57	20°24	5° 5	21°R31	21°21	2°30	n.a.	F 21
S 22	3 36 0	23°52'48	12♐36	8°26	4°49	14°46	0° 2	7°42	3°56	20°26	5° 5	21°31	21°18	2°37	n.a.	S 22
S 23	3 39 57	24°54'07	27°33	9°59	5°22	15°32	29♉54	7°48	3°55	20°28	5° 6	21°30	21°14	2°44	n.a.	S 23
M24	3 43 54	25°55'25	12♑23	11°31	5°52	16°18	29°46	7°53	3°53	20°30	5° 7	21°30	21°11	2°50	n.a.	M24
T 25	3 47 50	26°56'43	27° 0	13° 2	6°22	17° 5	29°38	7°59	3°52	20°32	5° 7	21°29	21° 8	2°57	n.a.	T 25
W26	3 51 47	27°58'01	11♒19	14°32	6°49	17°51	29°30	8° 4	3°51	20°34	5° 8	21°29	21° 5	3° 4	n.a.	W26
T 27	3 55 43	28°59'18	25°18	16° 1	7°15	18°37	29°22	8°10	3°50	20°36	5° 9	21°D29	21° 2	3°10	n.a.	T 27
F 28	3 59 40	0♐ 0'35	8♓55	17°29	7°39	19°23	29°14	8°15	3°49	20°38	5°10	21°29	20°59	3°17	n.a.	F 28
S 29	4 3 36	1° 1'51	22°12	18°54	8° 1	20° 9	29° 6	8°20	3°48	20°39	5°11	21°29	20°55	3°24	n.a.	S 29
S 30	4 7 33	2♐ 3'07	5♈12	20♐17	8♑21	20♑55	28♉57	8♎25	3♈47	20♎41	5♒11	21♏30	20♏52	3♋30	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s30	2s37	4n56	14s23	0s56	26s50	3s32	25s19	1s33	20n29	0s30	0s 4	2n22	1n13	0s40	6s 1	1n56	32s34	13s44	18s25	18s38	20n37		n.a.
S 2	12 51	2n 6	4 23	15 0	1 2	26 53	3 30	25 19	1 33	20 28	0 30	0 7	2 22	1 12	0 40	6 2	1 56	32 34	13 44	18 25	18 37	20 36		n.a.
M 3	13 12	6 38	3 37	15 37	1 8	26 55	3 28	25 19	1 32	20 27	0 29	0 9	2 22	1 12	0 40	6 3	1 56	32 33	13 44	18 24	18 36	20 35		n.a.
T 4	13 33	10 49	2 40	16 13	1 13	26 57	3 26	25 18	1 32	20 26	0 29	0 12	2 22	1 11	0 40	6 4	1 56	32 33	13 43	18 23	18 35	20 34		n.a.
W 5	13 53	14 27	1 37	16 48	1 19	26 58	3 24	25 17	1 31	20 24	0 29	0 14	2 22	1 10	0 40	6 4	1 56	32 33	13 43	18 23	18 34	20 34		n.a.
T 6	14 13	17 22	0 29	17 22	1 24	26 58	3 22	25 16	1 31	20 23	0 29	0 17	2 23	1 9	0 40	6 5	1 56	32 32	13 43	18 23	18 34	20 33		n.a.
F 7	14 33	19 27	0s38	17 55	1 29	26 58	3 19	25 15	1 31	20 22	0 29	0 19	2 23	1 9	0 40	6 6	1 56	32 32	13 42	18 23	18 33	20 32		n.a.
S 8	14 53	20 37	1 43	18 28	1 34	26 57	3 16	25 13	1 30	20 21	0 29	0 22	2 23	1 8	0 40	6 7	1 56	32 32	13 42	18 23	18 32	20 32		n.a.
S 9	15 13	20 50	2 43	19 0	1 39	26 56	3 13	25 11	1 30	20 19	0 29	0 24	2 23	1 7	0 40	6 8	1 56	32 31	13 42	18 23	18 31	20 31		n.a.
M10	15 32	20 7	3 35	19 31	1 43	26 54	3 10	25 8	1 29	20 18	0 29	0 26	2 23	1 6	0 40	6 8	1 56	32 31	13 41	18 23	18 30	20 30		n.a.
T 11	15 51	18 32	4 19	20 0	1 47	26 51	3 6	25 6	1 29	20 16	0 29	0 29	2 23	1 6	0 40	6 9	1 56	32 30	13 41	18 24	18 29	20 29		n.a.
W12	16 10	16 8	4 51	20 29	1 51	26 48	3 2	25 3	1 28	20 15	0 29	0 31	2 23	1 5	0 40	6 10	1 56	32 30	13 41	18 24	18 29	20 29		n.a.
T 13	16 28	13 3	5 11	20 57	1 55	26 44	2 58	25 0	1 28	20 14	0 28	0 33	2 23	1 4	0 40	6 11	1 56	32 30	13 41	18 24	18 28	20 28		n.a.
F 14	16 46	9 21	5 18	21 24	1 58	26 40	2 54	24 56	1 27	20 12	0 28	0 36	2 24	1 4	0 40	6 12	1 57	32 29	13 40	18 24	18 27	20 27		n.a.
S 15	17 4	5 11	5 10	21 49	2 1	26 35	2 49	24 53	1 27	20 11	0 28	0 38	2 24	1 3	0 40	6 12	1 57	32 29	13 40	18 24	18 26	20 26		n.a.
S 16	17 22	0 40	4 46	22 13	2 4	26 30	2 44	24 49	1 26	20 9	0 28	0 40	2 24	1 2	0 40	6 13	1 57	32 28	13 40	18 24	18 25	20 25		n.a.
M17	17 39	4s 1	4 7	22 36	2 6	26 24	2 39	24 44	1 26	20 8	0 28	0 42	2 24	1 2	0 40	6 14	1 57	32 28	13 39	18 24	18 24	20 25		n.a.
T 18	17 56	8 40	3 12	22 58	2 8	26 18	2 33	24 40	1 25	20 6	0 28	0 45	2 24	1 1	0 40	6 15	1 57	32 28	13 39	18 24	18 24	20 24		n.a.
W19	18 12	13 0	2 5	23 18	2 9	26 11	2 27	24 35	1 25	20 5	0 28	0 47	2 24	1 1	0 40	6 15	1 57	32 27	13 39	18 24	18 23	20 23		n.a.
T 20	18 29	16 41	0 48	23 37	2 10	26 4	2 21	24 30	1 24	20 3	0 27	0 49	2 24	1 0	0 39	6 16	1 57	32 27	13 39	18 24	18 22	20 22		n.a.
F 21	18 45	19 22	0n34	23 55	2 11	25 56	2 14	24 25	1 24	20 2	0 27	0 51	2 25	1 0	0 39	6 17	1 57	32 26	13 38	18 24	18 21	20 22		n.a.
S 22	19 0	20 44	1 55	24 10	2 11	25 48	2 7	24 19	1 23	20 0	0 27	0 53	2 25	0 59	0 39	6 18	1 57	32 26	13 38	18 24	18 20	20 21		n.a.
S 23	19 15	20 38	3 7	24 25	2 11	25 40	2 0	24 13	1 23	19 58	0 27	0 55	2 25	0 59	0 39	6 18	1 57	32 25	13 38	18 24	18 19	20 20		n.a.
M24	19 30	19 6	4 7	24 37	2 10	25 31	1 52	24 7	1 22	19 57	0 27	0 57	2 25	0 58	0 39	6 19	1 57	32 25	13 37	18 23	18 18	20 19		n.a.
T 25	19 45	16 19	4 49	24 48	2 8	25 21	1 44	24 1	1 21	19 55	0 27	0 59	2 25	0 58	0 39	6 20	1 57	32 25	13 37	18 23	18 18	20 18		n.a.
W26	19 59	12 37	5 13	24 57	2 6	25 11	1 36	23 54	1 21	19 54	0 27	1 1	2 25	0 57	0 39	6 20	1 57	32 24	13 37	18 23	18 17	20 18		n.a.
T 27	20 13	8 18	5 17	25 4	2 3	25 1	1 27	23 47	1 20	19 52	0 26	1 3	2 26	0 57	0 39	6 21	1 57	32 24	13 37	18 23	18 16	20 17		n.a.
F 28	20 26	3 40	5 3	25 9	1 59	24 51	1 18	23 40	1 20	19 50	0 26	1 5	2 26	0 56	0 39	6 22	1 57	32 23	13 36	18 23	18 15	20 16		n.a.
S 29	20 39	1n 2	4 33	25 12	1 55	24 40	1 8	23 33	1 19	19 49	0 26	1 7	2 26	0 56	0 39	6 22	1 57	32 23	13 36	18 23	18 14	20 15		n.a.
S 30	20s52	5n36	3n50	25s14	1s49	24s29	0s59	23s25	1s19	19n47	0s26	1s 9	2n26	0n56	0s39	6s23	1n57	32s22	13s36	18s23	18s13	20n14		n.a.

Julian Day Number = 1477375.5, Delta T = 05h25m42s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'05, Lahiri = -13°11'05 Julian Calendar 1 Nov. 669 BCE == Greg. Calendar 25 Oct. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 669 BCE
geocentric

DECEMBER 669 BCE (-668) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 11 29	3♐ 4'23	17♈55	21♐37	8♑40	21♑41	28°R49	8♎30	3°R46	20♎43	5♒12	21♏31	20♏49	3♋37	n.a.	M 1
T 2	4 15 26	4° 5'38	0♉24	22°54	8°56	22°27	28♉41	8°35	3♈45	20°45	5°13	21°32	20°46	3°44	n.a.	T 2
W 3	4 19 23	5° 6'53	12°42	24° 7	9°10	23°13	28°33	8°40	3°44	20°47	5°14	21°33	20°43	3°50	n.a.	W 3
T 4	4 23 19	6° 8'08	24°51	25°15	9°21	23°59	28°25	8°45	3°43	20°48	5°15	21°R33	20°39	3°57	n.a.	T 4
F 5	4 27 16	7° 9'22	6♊53	26°19	9°31	24°45	28°17	8°50	3°43	20°50	5°16	21°33	20°36	4° 4	n.a.	F 5
S 6	4 31 12	8°10'36	18°48	27°16	9°38	25°31	28° 9	8°55	3°42	20°52	5°17	21°31	20°33	4°11	n.a.	S 6
S 7	4 35 9	9°11'49	0♋40	28° 6	9°43	26°17	28° 1	8°59	3°41	20°53	5°18	21°29	20°30	4°17	n.a.	S 7
M 8	4 39 5	10°13'02	12°30	28°48	9°R45	27° 3	27°54	9° 4	3°41	20°55	5°19	21°26	20°27	4°24	n.a.	M 8
T 9	4 43 2	11°14'14	24°21	29°22	9°45	27°49	27°46	9° 8	3°40	20°57	5°20	21°22	20°24	4°31	n.a.	T 9
W10	4 46 59	12°15'27	6♌14	29°46	9°42	28°34	27°38	9°13	3°40	20°58	5°21	21°19	20°20	4°37	n.a.	W10
T 11	4 50 55	13°16'38	18°14	29°59	9°37	29°20	27°31	9°17	3°39	21° 0	5°22	21°16	20°17	4°44	n.a.	T 11
F 12	4 54 52	14°17'50	0♍25	0°R 3	9°29	0♒ 6	27°23	9°21	3°39	21° 1	5°23	21°14	20°14	4°51	n.a.	F 12
S 13	4 58 48	15°19'01	12°50	29°54	9°19	0°52	27°16	9°25	3°38	21° 3	5°24	21°D13	20°11	4°57	n.a.	S 13
S 14	5 2 45	16°20'11	25°34	29°33	9° 7	1°38	27° 8	9°30	3°38	21° 4	5°25	21°14	20° 8	5° 4	n.a.	S 14
M15	5 6 41	17°21'21	8♎41	29° 1	8°51	2°23	27° 1	9°34	3°38	21° 6	5°27	21°15	20° 5	5°11	n.a.	M15
T 16	5 10 38	18°22'31	22°14	28°18	8°34	3° 9	26°54	9°38	3°38	21° 7	5°28	21°17	20° 1	5°17	n.a.	T 16
W17	5 14 34	19°23'40	6♏15	27°25	8°14	3°55	26°47	9°41	3°38	21° 9	5°29	21°18	19°58	5°24	n.a.	W17
T 18	5 18 31	20°24'49	20°42	26°23	7°52	4°41	26°40	9°45	3°37	21°10	5°30	21°R19	19°55	5°31	n.a.	T 18
F 19	5 22 28	21°25'56	5♐33	25°14	7°27	5°26	26°33	9°49	3°D37	21°11	5°31	21°18	19°52	5°37	n.a.	F 19
S 20	5 26 24	22°27'03	20°40	24° 1	7° 1	6°12	26°27	9°52	3°37	21°13	5°33	21°16	19°49	5°44	n.a.	S 20
S 21	5 30 21	23°28'10	5♑56	22°45	6°32	6°58	26°20	9°56	3°37	21°14	5°34	21°12	19°45	5°51	n.a.	S 21
M22	5 34 17	24°29'15	21° 8	21°29	6° 2	7°43	26°14	9°59	3°38	21°15	5°35	21° 7	19°42	5°57	n.a.	M22
T 23	5 38 14	25°30'18	6♒ 8	20°15	5°30	8°29	26° 8	10° 3	3°38	21°16	5°36	21° 2	19°39	6° 4	n.a.	T 23
W24	5 42 10	26°31'21	20°46	19° 4	4°56	9°14	26° 2	10° 6	3°38	21°18	5°38	20°57	19°36	6°11	n.a.	W24
T 25	5 46 7	27°32'22	4♓59	18° 0	4°21	10° 0	25°56	10° 9	3°38	21°19	5°39	20°53	19°33	6°18	n.a.	T 25
F 26	5 50 3	28°33'21	18°43	17° 2	3°46	10°45	25°50	10°12	3°39	21°20	5°40	20°51	19°30	6°24	n.a.	F 26
S 27	5 54 0	29°34'19	2♈ 1	16°12	3° 9	11°31	25°44	10°15	3°39	21°21	5°42	20°D51	19°26	6°31	n.a.	S 27
S 28	5 57 57	0♑35'16	14°55	15°31	2°32	12°16	25°39	10°18	3°39	21°22	5°43	20°52	19°23	6°38	n.a.	S 28
M29	6 1 53	1°36'11	27°29	14°58	1°55	13° 2	25°33	10°21	3°40	21°23	5°44	20°53	19°20	6°44	n.a.	M29
T 30	6 5 50	2°37'04	9♉47	14°34	1°18	13°47	25°28	10°24	3°41	21°24	5°46	20°55	19°17	6°51	n.a.	T 30
W31	6 9 46	3♑37'56	21♉53	14♐18	0♑40	14♒32	25♉23	10♎26	3♈41	21♎25	5♒47	20°R55	19♏14	6♋58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	21s 4	9n50	2n56	25s13	1s43	24s17	0s48	23s17	1s18	19n45	0s26	1s11	2n26	0n55	0s39	6s24	1n57	32s22	13s36	18s24	18s13	20n13			n.a.
T 2	21 16	13 33	1 55	25 10	1 36	24 6	0 38	23 9	1 17	19 44	0 26	1 13	2 26	0 55	0 39	6 24	1 57	32 21	13 35	18 24	18 12	20 13			n.a.
W 3	21 27	16 39	0 49	25 6	1 27	23 54	0 26	23 0	1 17	19 42	0 26	1 15	2 27	0 55	0 39	6 25	1 57	32 21	13 35	18 24	18 11	20 12			n.a.
T 4	21 38	18 57	0s18	24 59	1 18	23 41	0 15	22 52	1 16	19 40	0 25	1 16	2 27	0 54	0 39	6 25	1 57	32 20	13 35	18 24	18 10	20 11			n.a.
F 5	21 49	20 23	1 24	24 51	1 8	23 29	0 3	22 43	1 16	19 39	0 25	1 18	2 27	0 54	0 39	6 26	1 57	32 20	13 35	18 24	18 9	20 10			n.a.
S 6	21 59	20 53	2 25	24 41	0 56	23 16	0n 9	22 34	1 15	19 37	0 25	1 20	2 27	0 54	0 39	6 27	1 57	32 19	13 34	18 24	18 8	20 9			n.a.
S 7	22 8	20 27	3 20	24 29	0 43	23 3	0 22	22 24	1 14	19 36	0 25	1 21	2 27	0 54	0 39	6 27	1 57	32 19	13 34	18 23	18 7	20 8			n.a.
M 8	22 18	19 6	4 6	24 15	0 29	22 50	0 35	22 15	1 14	19 34	0 25	1 23	2 28	0 53	0 39	6 28	1 57	32 18	13 34	18 22	18 7	20 8			n.a.
T 9	22 26	16 56	4 41	24 1	0 14	22 37	0 48	22 5	1 13	19 32	0 25	1 25	2 28	0 53	0 39	6 28	1 57	32 18	13 34	18 21	18 6	20 7			n.a.
W10	22 35	14 4	5 4	23 45	0n 2	22 23	1 2	21 55	1 13	19 31	0 24	1 26	2 28	0 53	0 39	6 29	1 58	32 17	13 33	18 21	18 5	20 6			n.a.
T 11	22 43	10 35	5 15	23 27	0 19	22 10	1 16	21 45	1 12	19 29	0 24	1 28	2 28	0 53	0 39	6 30	1 58	32 17	13 33	18 20	18 4	20 5			n.a.
F 12	22 50	6 38	5 11	23 9	0 37	21 56	1 30	21 34	1 11	19 28	0 24	1 29	2 28	0 53	0 39	6 30	1 58	32 16	13 33	18 19	18 3	20 4			n.a.
S 13	22 57	2 20	4 53	22 51	0 56	21 42	1 45	21 24	1 11	19 26	0 24	1 31	2 29	0 53	0 39	6 31	1 58	32 16	13 33	18 19	18 2	20 3			n.a.
S 14	23 4	2s11	4 20	22 31	1 15	21 28	1 59	21 13	1 10	19 25	0 24	1 32	2 29	0 53	0 39	6 31	1 58	32 15	13 33	18 19	18 1	20 2			n.a.
M15	23 10	6 45	3 33	22 12	1 34	21 14	2 14	21 2	1 9	19 23	0 23	1 33	2 29	0 52	0 39	6 32	1 58	32 15	13 32	18 19	18 1	20 1			n.a.
T 16	23 15	11 8	2 33	21 53	1 53	21 0	2 29	20 50	1 9	19 22	0 23	1 35	2 29	0 52	0 39	6 32	1 58	32 14	13 32	18 20	18 0	20 1			n.a.
W17	23 21	15 4	1 22	21 33	2 12	20 46	2 45	20 39	1 8	19 20	0 23	1 36	2 30	0 52	0 39	6 33	1 58	32 14	13 32	18 20	17 59	20 0			n.a.
T 18	23 25	18 14	0 3	21 14	2 29	20 32	3 0	20 27	1 8	19 19	0 23	1 37	2 30	0 52	0 38	6 33	1 58	32 13	13 32	18 20	17 58	19 59			n.a.
F 19	23 30	20 16	1n17	20 56	2 45	20 18	3 15	20 15	1 7	19 17	0 23	1 39	2 30	0 52	0 38	6 33	1 58	32 13	13 32	18 20	17 57	19 58			n.a.
S 20	23 33	20 53	2 34	20 39	2 59	20 5	3 31	20 3	1 6	19 16	0 23	1 40	2 30	0 52	0 38	6 34	1 58	32 12	13 31	18 20	17 56	19 57			n.a.
S 21	23 37	19 58	3 40	20 24	3 11	19 51	3 46	19 51	1 6	19 15	0 22	1 41	2 31	0 53	0 38	6 34	1 58	32 12	13 31	18 19	17 55	19 56			n.a.
M22	23 39	17 38	4 31	20 9	3 21	19 37	4 1	19 38	1 5	19 13	0 22	1 42	2 31	0 53	0 38	6 35	1 58	32 11	13 31	18 17	17 54	19 55			n.a.
T 23	23 42	14 8	5 1	19 57	3 28	19 24	4 16	19 26	1 4	19 12	0 22	1 43	2 31	0 53	0 38	6 35	1 58	32 11	13 31	18 16	17 54	19 54			n.a.
W24	23 44	9 51	5 12	19 47	3 33	19 11	4 30	19 13	1 4	19 11	0 22	1 44	2 31	0 53	0 38	6 36	1 58	32 10	13 31	18 15	17 53	19 53			n.a.
T 25	23 45	5 8	5 3	19 39	3 35	18 58	4 44	19 0	1 3	19 9	0 22	1 46	2 31	0 53	0 38	6 36	1 58	32 10	13 30	18 14	17 52	19 52			n.a.
F 26	23 46	0 18	4 36	19 33	3 36	18 45	4 58	18 47	1 2	19 8	0 21	1 47	2 32	0 53	0 38	6 36	1 58	32 9	13 30	18 13	17 51	19 52			n.a.
S 27	23 46	4n24	3 55	19 30	3 34	18 33	5 11	18 33	1 2	19 7	0 21	1 47	2 32	0 53	0 38	6 37	1 58	32 9	13 30	18 13	17 50	19 51			n.a.
S 28	23 46	8 46	3 3	19 29	3 30	18 21	5 24	18 20	1 1	19 6	0 21	1 48	2 32	0 54	0 38	6 37	1 59	32 8	13 30	18 13	17 49	19 50			n.a.
M29	23 46	12 39	2 4	19 31	3 25	18 10	5 36	18 6	1 0	19 5	0 21	1 49	2 32	0 54	0 38	6 37	1 59	32 7	13 30	18 14	17 48	19 49			n.a.
T 30	23 45	15 54	1 0	19 34	3 19	17 59	5 47	17 52	1 0	19 4	0 21	1 50	2 33	0 54	0 38	6 38	1 59	32 7	13 30	18 14	17 47	19 48			n.a.
W31	23s43	18n24	0s 5	19s40	3n11	17s48	5n58	17s38	0s59	19n 3	0s20	1s51	2n33	0n54	0s38	6s38	1n59	32s 6	13s30	18s14	17s47	19n47			n.a.

Julian Day Number = 1477405.5, Delta T = 05h25m40s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°18'01, Lahiri = -13°11'01 Julian Calendar 1 Dec. 669 BCE == Greg. Calendar 24 Nov. 669 BCE

The year -668 astronomical counting style corresponds to year 669 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

JANUARY 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 13 43	4♑38'47	3♊51	14°D11	0°R 4	15♒18	25°R18	10♎29	3♈42	21♎26	5♒49	20°R54	19♏11	7♋ 4	n.a.	T 1
F 2	6 17 39	5°39'36	15°43	14♐11	29♐28	16° 3	25♉14	10°31	3°43	21°27	5°50	20♏51	19° 7	7°11	n.a.	F 2
S 3	6 21 36	6°40'24	27°34	14°18	28°53	16°48	25° 9	10°33	3°43	21°28	5°51	20°46	19° 4	7°18	n.a.	S 3
S 4	6 25 33	7°41'10	9♋24	14°32	28°20	17°33	25° 5	10°36	3°44	21°29	5°53	20°38	19° 1	7°24	n.a.	S 4
M 5	6 29 29	8°41'54	21°16	14°53	27°48	18°18	25° 1	10°38	3°45	21°30	5°54	20°29	18°58	7°31	n.a.	M 5
T 6	6 33 26	9°42'38	3♌10	15°19	27°17	19° 3	24°57	10°40	3°46	21°30	5°56	20°19	18°55	7°38	n.a.	T 6
W 7	6 37 22	10°43'19	15° 9	15°50	26°49	19°48	24°53	10°42	3°47	21°31	5°57	20° 9	18°51	7°45	n.a.	W 7
T 8	6 41 19	11°44'00	27°15	16°27	26°22	20°33	24°49	10°44	3°48	21°32	5°59	20° 0	18°48	7°51	n.a.	T 8
F 9	6 45 15	12°44'39	9♍29	17° 8	25°57	21°18	24°46	10°45	3°49	21°33	6° 0	19°53	18°45	7°58	n.a.	F 9
S 10	6 49 12	13°45'16	21°55	17°53	25°35	22° 3	24°43	10°47	3°50	21°33	6° 2	19°48	18°42	8° 5	n.a.	S 10
S 11	6 53 8	14°45'52	4♎36	18°41	25°15	22°48	24°40	10°48	3°51	21°34	6° 3	19°46	18°39	8°11	n.a.	S 11
M12	6 57 5	15°46'27	17°36	19°33	24°58	23°33	24°37	10°50	3°52	21°35	6° 5	19°D45	18°36	8°18	n.a.	M12
T 13	7 1 1	16°47'00	0♏58	20°29	24°43	24°18	24°34	10°51	3°54	21°35	6° 6	19°46	18°32	8°25	n.a.	T 13
W14	7 4 58	17°47'32	14°45	21°27	24°30	25° 3	24°32	10°53	3°55	21°36	6° 8	19°R47	18°29	8°31	n.a.	W14
T 15	7 8 55	18°48'03	28°59	22°28	24°20	25°48	24°30	10°54	3°56	21°36	6° 9	19°46	18°26	8°38	n.a.	T 15
F 16	7 12 51	19°48'32	13♐39	23°32	24°12	26°32	24°28	10°55	3°58	21°37	6°11	19°44	18°23	8°45	n.a.	F 16
S 17	7 16 48	20°49'00	28°40	24°38	24° 7	27°17	24°26	10°56	3°59	21°37	6°13	19°39	18°20	8°51	n.a.	S 17
S 18	7 20 44	21°49'26	13♑54	25°46	24° 4	28° 2	24°24	10°56	4° 1	21°37	6°14	19°32	18°17	8°58	n.a.	S 18
M19	7 24 41	22°49'50	29°12	26°56	24°D 4	28°46	24°23	10°57	4° 2	21°38	6°16	19°23	18°13	9° 5	n.a.	M19
T 20	7 28 37	23°50'13	14♒21	28° 8	24° 6	29°31	24°21	10°58	4° 4	21°38	6°17	19°13	18°10	9°12	n.a.	T 20
W21	7 32 34	24°50'33	29°13	29°22	24°11	0♓15	24°20	10°58	4° 5	21°38	6°19	19° 3	18° 7	9°18	n.a.	W21
T 22	7 36 31	25°50'51	13♓38	0♑37	24°18	1° 0	24°19	10°59	4° 7	21°39	6°20	18°55	18° 4	9°25	n.a.	T 22
F 23	7 40 27	26°51'07	27°34	1°54	24°27	1°44	24°19	10°59	4° 9	21°39	6°22	18°49	18° 1	9°32	n.a.	F 23
S 24	7 44 24	27°51'21	11♈ 0	3°13	24°38	2°29	24°18	10°59	4°11	21°39	6°24	18°45	17°57	9°38	n.a.	S 24
S 25	7 48 20	28°51'32	23°58	4°33	24°51	3°13	24°18	10°59	4°12	21°39	6°25	18°D44	17°54	9°45	n.a.	S 25
M26	7 52 17	29°51'42	6♉32	5°55	25° 7	3°57	24°D18	10°R59	4°14	21°39	6°27	18°44	17°51	9°52	n.a.	M26
T 27	7 56 13	0♒51'49	18°47	7°18	25°24	4°42	24°18	10°59	4°16	21°40	6°28	18°R44	17°48	9°58	n.a.	T 27
W28	8 0 10	1°51'54	0♊49	8°42	25°43	5°26	24°18	10°59	4°18	21°40	6°30	18°44	17°45	10° 5	n.a.	W28
T 29	8 4 6	2°51'57	12°43	10° 7	26° 5	6°10	24°19	10°59	4°20	21°R40	6°32	18°41	17°42	10°12	n.a.	T 29
F 30	8 8 3	3°51'57	24°32	11°34	26°28	6°54	24°20	10°58	4°22	21°40	6°33	18°36	17°38	10°18	n.a.	F 30
S 31	8 11 59	4♒51'56	6♋21	13♑ 2	26♐52	7♓38	24♉21	10♎58	4♈24	21♎40	6♒35	18♏28	17♏35	10♋25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s41	20n 5	1s10	19s48	3n 3	17s39	6n 8	17s24	0s58	19n 2	0s20	1s52	2n33	0n55	0s38	6s38	1n59	32s 6	13s29	18s14	17s46	19n46			n.a.
F 2	23 39	20 50	2 10	19 57	2 54	17 29	6 17	17 10	0 58	19 1	0 20	1 52	2 33	0 55	0 38	6 39	1 59	32 5	13 29	18 13	17 45	19 45			n.a.
S 3	23 36	20 40	3 5	20 7	2 44	17 21	6 25	16 55	0 57	19 0	0 20	1 53	2 34	0 55	0 38	6 39	1 59	32 5	13 29	18 12	17 44	19 44			n.a.
S 4	23 33	19 35	3 51	20 19	2 34	17 13	6 33	16 41	0 56	18 59	0 20	1 54	2 34	0 56	0 38	6 39	1 59	32 4	13 29	18 10	17 43	19 43			n.a.
M 5	23 29	17 39	4 28	20 31	2 24	17 6	6 39	16 26	0 55	18 58	0 19	1 54	2 34	0 56	0 38	6 39	1 59	32 4	13 29	18 7	17 42	19 42			n.a.
T 6	23 25	14 58	4 53	20 45	2 13	17 0	6 45	16 11	0 55	18 57	0 19	1 55	2 34	0 56	0 38	6 40	1 59	32 3	13 29	18 4	17 41	19 41			n.a.
W 7	23 20	11 39	5 5	20 59	2 2	16 54	6 50	15 56	0 54	18 57	0 19	1 55	2 35	0 57	0 38	6 40	1 59	32 3	13 29	18 2	17 40	19 40			n.a.
T 8	23 15	7 51	5 4	21 13	1 52	16 49	6 55	15 41	0 53	18 56	0 19	1 56	2 35	0 57	0 38	6 40	1 59	32 2	13 29	17 59	17 40	19 39			n.a.
F 9	23 9	3 40	4 49	21 28	1 41	16 45	6 58	15 26	0 53	18 55	0 19	1 56	2 35	0 58	0 38	6 40	1 59	32 2	13 28	17 57	17 39	19 38			n.a.
S 10	23 3	0s43	4 20	21 43	1 30	16 41	7 1	15 10	0 52	18 55	0 18	1 57	2 35	0 58	0 38	6 41	1 59	32 1	13 28	17 56	17 38	19 37			n.a.
S 11	22 57	5 11	3 38	21 58	1 19	16 39	7 3	14 55	0 51	18 54	0 18	1 57	2 36	0 59	0 38	6 41	1 59	32 1	13 28	17 55	17 37	19 36			n.a.
M12	22 50	9 31	2 44	22 13	1 9	16 37	7 4	14 39	0 51	18 54	0 18	1 58	2 36	0 59	0 38	6 41	1 59	32 0	13 28	17 55	17 36	19 35			n.a.
T 13	22 42	13 31	1 39	22 27	0 58	16 36	7 5	14 23	0 50	18 53	0 18	1 58	2 36	1 0	0 37	6 41	2 0	32 0	13 28	17 55	17 35	19 34			n.a.
W14	22 34	16 55	0 27	22 42	0 48	16 35	7 5	14 7	0 49	18 53	0 18	1 58	2 36	1 0	0 37	6 41	2 0	31 59	13 28	17 56	17 34	19 33			n.a.
T 15	22 26	19 25	0n49	22 55	0 38	16 35	7 4	13 52	0 49	18 52	0 18	1 58	2 37	1 1	0 37	6 41	2 0	31 59	13 28	17 56	17 33	19 32			n.a.
F 16	22 17	20 42	2 4	23 9	0 28	16 36	7 3	13 35	0 48	18 52	0 17	1 58	2 37	1 2	0 37	6 41	2 0	31 58	13 28	17 55	17 32	19 31			n.a.
S 17	22 8	20 34	3 12	23 21	0 19	16 38	7 1	13 19	0 47	18 52	0 17	1 59	2 37	1 2	0 37	6 42	2 0	31 58	13 28	17 54	17 32	19 30			n.a.
S 18	21 59	18 56	4 7	23 33	0 9	16 40	6 59	13 3	0 46	18 52	0 17	1 59	2 38	1 3	0 37	6 42	2 0	31 57	13 28	17 52	17 31	19 29			n.a.
M19	21 49	15 57	4 45	23 44	0s 0	16 43	6 56	12 47	0 46	18 51	0 17	1 59	2 38	1 3	0 37	6 42	2 0	31 57	13 28	17 49	17 30	19 28			n.a.
T 20	21 38	11 56	5 2	23 55	0 9	16 46	6 53	12 30	0 45	18 51	0 17	1 59	2 38	1 4	0 37	6 42	2 0	31 57	13 28	17 46	17 29	19 27			n.a.
W21	21 27	7 15	4 59	24 4	0 18	16 50	6 49	12 14	0 44	18 51	0 16	1 59	2 38	1 5	0 37	6 42	2 0	31 56	13 28	17 44	17 28	19 26			n.a.
T 22	21 16	2 17	4 36	24 12	0 26	16 54	6 45	11 57	0 44	18 51	0 16	1 59	2 39	1 6	0 37	6 42	2 0	31 56	13 28	17 41	17 27	19 25			n.a.
F 23	21 5	2n38	3 57	24 20	0 34	16 59	6 41	11 40	0 43	18 51	0 16	1 59	2 39	1 6	0 37	6 42	2 0	31 55	13 28	17 40	17 26	19 24			n.a.
S 24	20 53	7 16	3 7	24 26	0 42	17 4	6 37	11 23	0 42	18 51	0 16	1 58	2 39	1 7	0 37	6 42	2 0	31 55	13 28	17 39	17 25	19 23			n.a.
S 25	20 40	11 24	2 8	24 31	0 49	17 9	6 32	11 7	0 42	18 51	0 16	1 58	2 39	1 8	0 37	6 42	2 0	31 54	13 28	17 38	17 24	19 22			n.a.
M26	20 28	14 54	1 5	24 35	0 57	17 15	6 26	10 50	0 41	18 52	0 15	1 58	2 40	1 9	0 37	6 42	2 0	31 54	13 28	17 38	17 23	19 21			n.a.
T 27	20 15	17 39	0s 0	24 38	1 4	17 21	6 21	10 33	0 40	18 52	0 15	1 58	2 40	1 9	0 37	6 42	2 0	31 53	13 28	17 38	17 23	19 20			n.a.
W28	20 1	19 34	1 4	24 39	1 10	17 27	6 15	10 16	0 39	18 52	0 15	1 57	2 40	1 10	0 37	6 42	2 1	31 53	13 28	17 38	17 22	19 19			n.a.
T 29	19 48	20 36	2 4	24 39	1 17	17 34	6 10	9 58	0 39	18 52	0 15	1 57	2 40	1 11	0 37	6 42	2 1	31 52	13 28	17 38	17 21	19 18			n.a.
F 30	19 33	20 42	2 58	24 38	1 23	17 40	6 4	9 41	0 38	18 53	0 15	1 57	2 41	1 12	0 37	6 42	2 1	31 52	13 28	17 36	17 20	19 17			n.a.
S 31	19s19	19n54	3s44	24s35	1s28	17s47	5n57	9s24	0s37	18n53	0s15	1s56	2n41	1n13	0s37	6s42	2n 1	31s52	13s28	17s34	17s19	19n16			n.a.

Julian Day Number = 1477436.5, Delta T = 05h25m39s
Ecliptic obliquity = 23°46'26, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'57, Lahiri = -13°10'56 Julian Calendar 1 Jan. 668 BCE == Greg. Calendar 25 Dec. 669 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

FEBRUARY 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 15 56	5♒51'52	18♋12	14♉32	27♐19	8♓22	24♉22	10°R57	4♈26	21°R39	6♒37	18°R17	17♏32	10♋32	n.a.	S 1
M 2	8 19 53	6°51'46	0♌ 7	16° 2	27°47	9° 6	24°23	10♎57	4°29	21♎39	6°38	18♏ 4	17°29	10°39	n.a.	M 2
T 3	8 23 49	7°51'38	12° 9	17°34	28°17	9°50	24°25	10°56	4°31	21°39	6°40	17°50	17°26	10°45	n.a.	T 3
W 4	8 27 46	8°51'27	24°17	19° 7	28°48	10°34	24°26	10°55	4°33	21°39	6°41	17°36	17°23	10°52	n.a.	W 4
T 5	8 31 42	9°51'15	6♍33	20°41	29°21	11°18	24°28	10°54	4°35	21°39	6°43	17°23	17°19	10°59	n.a.	T 5
F 6	8 35 39	10°51'01	18°58	22°16	29°55	12° 2	24°30	10°53	4°38	21°39	6°45	17°12	17°16	11° 5	n.a.	F 6
S 7	8 39 35	11°50'45	1♎34	23°53	0♏30	12°46	24°33	10°52	4°40	21°38	6°46	17° 4	17°13	11°12	n.a.	S 7
S 8	8 43 32	12°50'26	14°21	25°30	1° 7	13°29	24°35	10°51	4°42	21°38	6°48	16°59	17°10	11°19	n.a.	S 8
M 9	8 47 28	13°50'06	27°23	27° 9	1°45	14°13	24°38	10°49	4°45	21°38	6°49	16°57	17° 7	11°25	n.a.	M 9
T 10	8 51 25	14°49'45	10♏43	28°49	2°24	14°57	24°41	10°48	4°47	21°37	6°51	16°56	17° 3	11°32	n.a.	T 10
W11	8 55 22	15°49'21	24°22	0♒31	3° 4	15°40	24°44	10°46	4°50	21°37	6°53	16°56	17° 0	11°39	n.a.	W11
T 12	8 59 18	16°48'56	8♐22	2°13	3°46	16°24	24°47	10°45	4°52	21°36	6°54	16°56	16°57	11°46	n.a.	T 12
F 13	9 3 15	17°48'29	22°45	3°57	4°28	17° 7	24°50	10°43	4°55	21°36	6°56	16°53	16°54	11°52	n.a.	F 13
S 14	9 7 11	18°48'00	7♑27	5°42	5°11	17°51	24°54	10°41	4°57	21°36	6°57	16°47	16°51	11°59	n.a.	S 14
S 15	9 11 8	19°47'29	22°24	7°28	5°56	18°34	24°57	10°39	5° 0	21°35	6°59	16°39	16°48	12° 6	n.a.	S 15
M16	9 15 4	20°46'56	7♒27	9°16	6°41	19°18	25° 1	10°37	5° 3	21°34	7° 1	16°29	16°44	12°12	n.a.	M16
T 17	9 19 1	21°46'20	22°27	11° 5	7°27	20° 1	25° 5	10°35	5° 5	21°34	7° 2	16°17	16°41	12°19	n.a.	T 17
W18	9 22 57	22°45'43	7♓15	12°55	8°14	20°44	25°10	10°33	5° 8	21°33	7° 4	16° 6	16°38	12°26	n.a.	W18
T 19	9 26 54	23°45'03	21°41	14°47	9° 2	21°27	25°14	10°30	5°11	21°33	7° 5	15°56	16°35	12°32	n.a.	T 19
F 20	9 30 50	24°44'21	5♈41	16°39	9°51	22°11	25°19	10°28	5°14	21°32	7° 7	15°48	16°32	12°39	n.a.	F 20
S 21	9 34 47	25°43'37	19°13	18°33	10°40	22°54	25°24	10°26	5°16	21°31	7° 8	15°43	16°28	12°46	n.a.	S 21
S 22	9 38 44	26°42'50	2♉16	20°29	11°30	23°37	25°28	10°23	5°19	21°30	7°10	15°41	16°25	12°53	n.a.	S 22
M23	9 42 40	27°42'01	14°55	22°25	12°21	24°20	25°34	10°20	5°22	21°30	7°11	15°D40	16°22	12°59	n.a.	M23
T 24	9 46 37	28°41'10	27°13	24°23	13°13	25° 3	25°39	10°18	5°25	21°29	7°13	15°R41	16°19	13° 6	n.a.	T 24
W25	9 50 33	29°40'16	9♊17	26°22	14° 5	25°46	25°44	10°15	5°28	21°28	7°15	15°40	16°16	13°13	n.a.	W25
T 26	9 54 30	0♓39'19	21°11	28°22	14°57	26°29	25°50	10°12	5°31	21°27	7°16	15°38	16°13	13°19	n.a.	T 26
F 27	9 58 26	1°38'20	3♋ 1	0♓24	15°51	27°12	25°56	10° 9	5°34	21°26	7°18	15°34	16° 9	13°26	n.a.	F 27
S 28	10 2 23	2♓37'19	14♋51	2♓26	16♉45	27♓54	26♉ 2	10♎ 6	5♈37	21♎25	7♒19	15♏28	16♏ 6	13♋33	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s 4	18n13	4s20	24s31	1s33	17s54	5n51	9s 7	0s37	18n54	0s14	1s56	2n41	1n14	0s37	6s42	2n 1	31s51	13s28	17s31	17s18	19n15			n.a.
M 2	18 49	15 45	4 46	24 25	1 38	18 1	5 44	8 49	0 36	18 54	0 14	1 55	2 41	1 14	0 37	6 41	2 1	31 51	13 28	17 27	17 17	19 14			n.a.
T 3	18 34	12 37	4 59	24 18	1 43	18 8	5 38	8 32	0 35	18 55	0 14	1 55	2 42	1 15	0 37	6 41	2 1	31 50	13 28	17 23	17 16	19 13			n.a.
W 4	18 18	8 56	4 58	24 10	1 47	18 15	5 31	8 14	0 35	18 55	0 14	1 54	2 42	1 16	0 37	6 41	2 1	31 50	13 28	17 19	17 15	19 12			n.a.
T 5	18 2	4 51	4 44	23 59	1 51	18 22	5 24	7 57	0 34	18 56	0 14	1 54	2 42	1 17	0 37	6 41	2 1	31 50	13 28	17 15	17 14	19 11			n.a.
F 6	17 45	0 30	4 16	23 47	1 55	18 29	5 18	7 39	0 33	18 57	0 13	1 53	2 42	1 18	0 37	6 41	2 1	31 49	13 28	17 12	17 13	19 10			n.a.
S 7	17 29	3s55	3 35	23 34	1 58	18 36	5 11	7 22	0 32	18 57	0 13	1 52	2 43	1 19	0 37	6 41	2 1	31 49	13 28	17 10	17 13	19 9			n.a.
S 8	17 12	8 14	2 43	23 18	2 0	18 43	5 4	7 4	0 32	18 58	0 13	1 51	2 43	1 20	0 37	6 41	2 1	31 48	13 28	17 9	17 12	19 8			n.a.
M 9	16 54	12 16	1 41	23 1	2 3	18 49	4 56	6 46	0 31	18 59	0 13	1 51	2 43	1 21	0 37	6 40	2 1	31 48	13 28	17 8	17 11	19 6			n.a.
T 10	16 37	15 46	0 33	22 43	2 5	18 56	4 49	6 29	0 30	19 0	0 13	1 50	2 43	1 22	0 37	6 40	2 1	31 48	13 28	17 8	17 10	19 5			n.a.
W11	16 19	18 30	0n39	22 22	2 6	19 2	4 42	6 11	0 30	19 1	0 13	1 49	2 44	1 23	0 37	6 40	2 1	31 47	13 28	17 8	17 9	19 4			n.a.
T 12	16 1	20 11	1 51	22 0	2 7	19 8	4 35	5 53	0 29	19 2	0 12	1 48	2 44	1 24	0 36	6 40	2 2	31 47	13 28	17 8	17 8	19 3			n.a.
F 13	15 43	20 38	2 57	21 36	2 8	19 14	4 28	5 35	0 28	19 3	0 12	1 47	2 44	1 25	0 36	6 40	2 2	31 46	13 28	17 7	17 7	19 2			n.a.
S 14	15 24	19 41	3 53	21 10	2 8	19 20	4 21	5 17	0 28	19 4	0 12	1 46	2 44	1 26	0 36	6 39	2 2	31 46	13 28	17 5	17 6	19 1			n.a.
S 15	15 5	17 22	4 34	20 42	2 7	19 25	4 13	5 0	0 27	19 5	0 12	1 45	2 44	1 27	0 36	6 39	2 2	31 46	13 29	17 3	17 5	19 0			n.a.
M16	14 46	13 53	4 57	20 13	2 6	19 30	4 6	4 42	0 26	19 6	0 12	1 44	2 45	1 29	0 36	6 39	2 2	31 45	13 29	17 0	17 4	18 59			n.a.
T 17	14 27	9 31	4 59	19 41	2 5	19 35	3 59	4 24	0 26	19 7	0 12	1 43	2 45	1 30	0 36	6 38	2 2	31 45	13 29	16 56	17 3	18 58			n.a.
W18	14 7	4 38	4 40	19 8	2 3	19 39	3 52	4 6	0 25	19 8	0 11	1 42	2 45	1 31	0 36	6 38	2 2	31 45	13 29	16 53	17 3	18 57			n.a.
T 19	13 47	0n24	4 5	18 33	2 1	19 44	3 45	3 48	0 24	19 9	0 11	1 41	2 45	1 32	0 36	6 38	2 2	31 44	13 29	16 50	17 2	18 55			n.a.
F 20	13 27	5 16	3 15	17 56	1 58	19 47	3 37	3 30	0 24	19 11	0 11	1 40	2 45	1 33	0 36	6 38	2 2	31 44	13 29	16 48	17 1	18 54			n.a.
S 21	13 7	9 42	2 15	17 17	1 54	19 51	3 30	3 12	0 23	19 12	0 11	1 39	2 46	1 34	0 36	6 37	2 2	31 44	13 29	16 47	17 0	18 53			n.a.
S 22	12 47	13 32	1 10	16 36	1 50	19 54	3 23	2 54	0 22	19 13	0 11	1 38	2 46	1 35	0 36	6 37	2 2	31 44	13 29	16 46	16 59	18 52			n.a.
M23	12 26	16 36	0 4	15 54	1 46	19 56	3 16	2 37	0 21	19 15	0 11	1 37	2 46	1 37	0 36	6 37	2 2	31 43	13 29	16 46	16 58	18 51			n.a.
T 24	12 6	18 50	1s 1	15 10	1 41	19 58	3 9	2 19	0 21	19 16	0 10	1 35	2 46	1 38	0 36	6 36	2 2	31 43	13 30	16 46	16 57	18 50			n.a.
W25	11 45	20 9	2 2	14 23	1 35	20 0	3 2	2 1	0 20	19 18	0 10	1 34	2 46	1 39	0 36	6 36	2 2	31 43	13 30	16 46	16 56	18 49			n.a.
T 26	11 24	20 33	2 56	13 36	1 29	20 1	2 55	1 43	0 19	19 19	0 10	1 33	2 47	1 40	0 36	6 35	2 2	31 42	13 30	16 45	16 55	18 48			n.a.
F 27	11 2	20 1	3 43	12 46	1 22	20 2	2 48	1 25	0 19	19 21	0 10	1 31	2 47	1 41	0 36	6 35	2 2	31 42	13 30	16 44	16 54	18 46			n.a.
S 28	10s41	18n37	4s20	11s55	1s15	20s 3	2n41	1s 7	0s18	19n22	0s10	1s30	2n47	1n43	0s36	6s35	2n 2	31s42	13s30	16s42	16s53	18n45			n.a.

Julian Day Number = 1477467.5, Delta T = 05h25m37s
Ecliptic obliquity = 23°46'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'53, Lahiri = -13°10'52 Julian Calendar 1 Feb. 668 BCE == Greg. Calendar 25 Jan. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

MARCH 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 6 19	3♓36'16	26♋44	4♓29	17♑39	28♓37	26♉ 8	10°R 3	5♈40	21°R25	7♒21	15°R18	16♏ 3	13♋39	n.a.	S 1
M 2	10 10 16	4°35'10	8♌45	6°33	18°34	29°20	26°14	10♎ 0	5°43	21♎24	7°22	15♏ 7	16° 0	13°46	n.a.	M 2
T 3	10 14 13	5°34'02	20°55	8°37	19°30	0♈ 3	26°20	9°57	5°46	21°23	7°23	14°54	15°57	13°53	n.a.	T 3
W 4	10 18 9	6°32'51	3♍15	10°42	20°26	0°45	26°27	9°53	5°49	21°22	7°25	14°42	15°54	14° 0	n.a.	W 4
T 5	10 22 6	7°31'39	15°46	12°47	21°22	1°28	26°33	9°50	5°52	21°21	7°26	14°30	15°50	14° 6	n.a.	T 5
F 6	10 26 2	8°30'24	28°27	14°52	22°19	2°10	26°40	9°47	5°56	21°19	7°28	14°21	15°47	14°13	n.a.	F 6
S 7	10 29 59	9°29'08	11♎20	16°56	23°16	2°53	26°47	9°43	5°59	21°18	7°29	14°14	15°44	14°20	n.a.	S 7
S 8	10 33 55	10°27'49	24°24	19° 0	24°14	3°35	26°54	9°39	6° 2	21°17	7°31	14°10	15°41	14°26	n.a.	S 8
M 9	10 37 52	11°26'29	7♏40	21° 3	25°12	4°18	27° 1	9°36	6° 5	21°16	7°32	14° 8	15°38	14°33	n.a.	M 9
T 10	10 41 48	12°25'07	21° 8	23° 5	26°11	5° 0	27° 9	9°32	6° 8	21°15	7°33	14°D 8	15°34	14°40	n.a.	T 10
W11	10 45 45	13°23'43	4♐50	25° 4	27°10	5°42	27°16	9°28	6°11	21°14	7°35	14° 9	15°31	14°46	n.a.	W11
T 12	10 49 41	14°22'17	18°46	27° 2	28° 9	6°25	27°24	9°25	6°15	21°13	7°36	14°R 9	15°28	14°53	n.a.	T 12
F 13	10 53 38	15°20'50	2♑57	28°58	29° 9	7° 7	27°32	9°21	6°18	21°11	7°37	14° 7	15°25	15° 0	n.a.	F 13
S 14	10 57 35	16°19'21	17°21	0♈51	0♒ 9	7°49	27°40	9°17	6°21	21°10	7°39	14° 4	15°22	15° 7	n.a.	S 14
S 15	11 1 31	17°17'50	1♒55	2°40	1°10	8°31	27°48	9°13	6°25	21° 9	7°40	13°58	15°19	15°13	n.a.	S 15
M16	11 5 28	18°16'18	16°34	4°27	2°10	9°13	27°56	9° 9	6°28	21° 8	7°41	13°51	15°15	15°20	n.a.	M16
T 17	11 9 24	19°14'43	1♓10	6°10	3°11	9°55	28° 4	9° 5	6°31	21° 6	7°43	13°42	15°12	15°27	n.a.	T 17
W18	11 13 21	20°13'07	15°38	7°49	4°13	10°37	28°13	9° 1	6°35	21° 5	7°44	13°34	15° 9	15°33	n.a.	W18
T 19	11 17 17	21°11'28	29°49	9°24	5°14	11°19	28°21	8°57	6°38	21° 4	7°45	13°26	15° 6	15°40	n.a.	T 19
F 20	11 21 14	22° 9'48	13♈40	10°56	6°16	12° 1	28°30	8°53	6°41	21° 2	7°46	13°20	15° 3	15°47	n.a.	F 20
S 21	11 25 10	23° 8'06	27° 7	12°22	7°19	12°43	28°39	8°48	6°45	21° 1	7°48	13°17	15° 0	15°53	n.a.	S 21
S 22	11 29 7	24° 6'21	10♉10	13°45	8°21	13°25	28°47	8°44	6°48	21° 0	7°49	13°D16	14°56	16° 0	n.a.	S 22
M23	11 33 3	25° 4'35	22°51	15° 3	9°24	14° 7	28°56	8°40	6°51	20°58	7°50	13°16	14°53	16° 7	n.a.	M23
T 24	11 37 0	26° 2'47	5♊12	16°16	10°27	14°48	29° 6	8°36	6°55	20°57	7°51	13°17	14°50	16°14	n.a.	T 24
W25	11 40 57	27° 0'56	17°19	17°24	11°30	15°30	29°15	8°31	6°58	20°55	7°52	13°19	14°47	16°20	n.a.	W25
T 26	11 44 53	27°59'03	29°15	18°28	12°33	16°12	29°24	8°27	7° 2	20°54	7°53	13°R19	14°44	16°27	n.a.	T 26
F 27	11 48 50	28°57'09	11♋ 7	19°26	13°37	16°53	29°34	8°23	7° 5	20°52	7°54	13°18	14°40	16°34	n.a.	F 27
S 28	11 52 46	29°55'12	22°59	20°20	14°41	17°35	29°43	8°18	7° 9	20°51	7°56	13°15	14°37	16°40	n.a.	S 28
S 29	11 56 43	0♈53'13	4♌56	21° 8	15°45	18°16	29°53	8°14	7°12	20°49	7°57	13°11	14°34	16°47	n.a.	S 29
M30	12 0 39	1°51'12	17° 1	21°51	16°49	18°58	0♊ 3	8° 9	7°15	20°48	7°58	13° 5	14°31	16°54	n.a.	M30
T 31	12 4 36	2♈49'09	29♌18	22♈30	17♒53	19♈39	0♊12	8♎ 5	7♈19	20♎46	7♒59	12♏58	14♏28	17♋ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	10s19	16n25	4s46	11s 2	1s 7	20s 3	2n34	0s49	0s17	19n24	0s10	1s29	2n47	1n44	0s36	6s34	2n 2	31s42	13s30	16s39	16s52	18n44			n.a.
M 2	9 58	13 30	5 0	10 8	0 59	20 2	2 27	0 31	0 17	19 26	0 10	1 27	2 47	1 45	0 36	6 34	2 3	31 41	13 31	16 36	16 51	18 43			n.a.
T 3	9 36	9 59	5 0	9 13	0 50	20 1	2 21	0 14	0 16	19 27	0 9	1 26	2 48	1 46	0 36	6 34	2 3	31 41	13 31	16 32	16 50	18 42			n.a.
W 4	9 14	6 1	4 46	8 17	0 40	19 59	2 14	0n 4	0 15	19 29	0 9	1 24	2 48	1 48	0 36	6 33	2 3	31 41	13 31	16 28	16 50	18 41			n.a.
T 5	8 52	1 43	4 19	7 19	0 30	19 57	2 7	0 22	0 15	19 31	0 9	1 23	2 48	1 49	0 36	6 33	2 3	31 41	13 31	16 25	16 49	18 40			n.a.
F 6	8 30	2s42	3 38	6 21	0 20	19 55	2 1	0 40	0 14	19 32	0 9	1 21	2 48	1 50	0 36	6 32	2 3	31 40	13 31	16 22	16 48	18 38			n.a.
S 7	8 7	7 4	2 45	5 22	0 9	19 52	1 54	0 57	0 13	19 34	0 9	1 20	2 48	1 51	0 36	6 32	2 3	31 40	13 32	16 20	16 47	18 37			n.a.
S 8	7 45	11 11	1 43	4 23	0n 2	19 48	1 48	1 15	0 13	19 36	0 9	1 18	2 48	1 53	0 36	6 31	2 3	31 40	13 32	16 19	16 46	18 36			n.a.
M 9	7 22	14 48	0 34	3 24	0 13	19 44	1 41	1 33	0 12	19 38	0 8	1 17	2 48	1 54	0 36	6 31	2 3	31 40	13 32	16 18	16 45	18 35			n.a.
T 10	7 0	17 42	0n37	2 25	0 24	19 39	1 35	1 50	0 11	19 40	0 8	1 15	2 49	1 55	0 36	6 30	2 3	31 40	13 32	16 18	16 44	18 34			n.a.
W11	6 37	19 38	1 48	1 26	0 36	19 34	1 29	2 8	0 11	19 41	0 8	1 14	2 49	1 57	0 36	6 30	2 3	31 40	13 32	16 18	16 43	18 33			n.a.
T 12	6 14	20 24	2 54	0 28	0 47	19 28	1 22	2 25	0 10	19 43	0 8	1 12	2 49	1 58	0 36	6 29	2 3	31 39	13 33	16 18	16 42	18 31			n.a.
F 13	5 51	19 54	3 50	0n29	0 59	19 22	1 16	2 43	0 9	19 45	0 8	1 10	2 49	1 59	0 36	6 29	2 3	31 39	13 33	16 18	16 41	18 30			n.a.
S 14	5 28	18 7	4 33	1 24	1 10	19 15	1 10	3 0	0 9	19 47	0 8	1 9	2 49	2 1	0 36	6 28	2 3	31 39	13 33	16 17	16 40	18 29			n.a.
S 15	5 5	15 10	4 59	2 19	1 21	19 8	1 4	3 18	0 8	19 49	0 8	1 7	2 49	2 2	0 36	6 28	2 3	31 39	13 33	16 15	16 39	18 28			n.a.
M16	4 42	11 15	5 5	3 12	1 32	19 0	0 58	3 35	0 8	19 51	0 7	1 5	2 49	2 3	0 36	6 27	2 3	31 39	13 34	16 13	16 38	18 27			n.a.
T 17	4 19	6 40	4 51	4 3	1 42	18 52	0 53	3 53	0 7	19 53	0 7	1 4	2 49	2 5	0 36	6 27	2 3	31 39	13 34	16 10	16 37	18 26			n.a.
W18	3 56	1 46	4 19	4 52	1 52	18 43	0 47	4 10	0 6	19 55	0 7	1 2	2 50	2 6	0 36	6 26	2 3	31 39	13 34	16 8	16 36	18 24			n.a.
T 19	3 32	3n 9	3 32	5 38	2 2	18 33	0 41	4 27	0 6	19 57	0 7	1 0	2 50	2 7	0 36	6 26	2 3	31 38	13 34	16 5	16 35	18 23			n.a.
F 20	3 9	7 48	2 32	6 23	2 11	18 23	0 36	4 44	0 5	19 59	0 7	0 58	2 50	2 9	0 36	6 25	2 3	31 38	13 34	16 4	16 35	18 22			n.a.
S 21	2 46	11 55	1 26	7 5	2 19	18 13	0 30	5 2	0 4	20 2	0 7	0 57	2 50	2 10	0 36	6 25	2 3	31 38	13 35	16 3	16 34	18 21			n.a.
S 22	2 22	15 20	0 17	7 45	2 27	18 2	0 25	5 19	0 4	20 4	0 7	0 55	2 50	2 11	0 36	6 24	2 3	31 38	13 35	16 2	16 33	18 20			n.a.
M23	1 59	17 55	0s52	8 21	2 33	17 50	0 20	5 36	0 3	20 6	0 7	0 53	2 50	2 13	0 36	6 24	2 3	31 38	13 35	16 2	16 32	18 18			n.a.
T 24	1 36	19 34	1 56	8 56	2 39	17 38	0 14	5 53	0 2	20 8	0 6	0 51	2 50	2 14	0 36	6 23	2 3	31 38	13 36	16 3	16 31	18 17			n.a.
W25	1 12	20 17	2 53	9 27	2 45	17 26	0 9	6 9	0 2	20 10	0 6	0 50	2 50	2 16	0 36	6 22	2 3	31 38	13 36	16 3	16 30	18 16			n.a.
T 26	0 49	20 4	3 43	9 56	2 49	17 12	0 4	6 26	0 1	20 12	0 6	0 48	2 50	2 17	0 36	6 22	2 3	31 38	13 36	16 3	16 29	18 15			n.a.
F 27	0 25	18 57	4 22	10 22	2 52	16 59	0s 1	6 43	0 1	20 14	0 6	0 46	2 50	2 18	0 36	6 21	2 4	31 38	13 36	16 3	16 28	18 13			n.a.
S 28	0 2	17 1	4 50	10 44	2 55	16 45	0 6	7 0	0n 0	20 17	0 6	0 44	2 50	2 20	0 36	6 21	2 4	31 38	13 37	16 2	16 27	18 12			n.a.
S 29	0n21	14 21	5 6	11 4	2 56	16 30	0 10	7 16	0 1	20 19	0 6	0 42	2 50	2 21	0 36	6 20	2 4	31 38	13 37	16 1	16 26	18 11			n.a.
M30	0 45	11 3	5 8	11 21	2 57	16 15	0 15	7 33	0 1	20 21	0 6	0 41	2 50	2 22	0 36	6 19	2 4	31 38	13 37	15 59	16 25	18 10			n.a.
T 31	1n 8	7n15	4s57	11n35	2n56	16s 0	0s19	7n49	0n 2	20n23	0s 6	0s39	2n50	2n24	0s36	6s19	2n 4	31s38	13s38	15s57	16s24	18n 9			n.a.

Julian Day Number = 1477495.5, Delta T = 05h25m36s
Ecliptic obliquity = 23°46'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'49, Lahiri = -13°10'48 Julian Calendar 1 March 668 BCE == Greg. Calendar 22 Feb. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

APRIL 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 8 32	3♈47'05	11♍48	23♈ 2	18♒58	20♈20	0♊22	8°R 1	7♈22	20°R45	8♒ 0	12°R51	14♏25	17♋ 7	n.a.	W 1
T 2	12 12 29	4°44'58	24°33	23°30	20° 3	21° 2	0°32	7♎56	7°26	20♎43	8° 1	12♏45	14°21	17°14	n.a.	T 2
F 3	12 16 26	5°42'50	7♎33	23°53	21° 8	21°43	0°43	7°52	7°29	20°42	8° 2	12°39	14°18	17°21	n.a.	F 3
S 4	12 20 22	6°40'40	20°47	24°10	22°13	22°24	0°53	7°47	7°33	20°40	8° 3	12°36	14°15	17°27	n.a.	S 4
S 5	12 24 19	7°38'29	4♏14	24°22	23°18	23° 6	1° 3	7°43	7°36	20°39	8° 4	12°34	14°12	17°34	n.a.	S 5
M 6	12 28 15	8°36'16	17°52	24°28	24°24	23°47	1°14	7°38	7°40	20°37	8° 5	12°D34	14° 9	17°41	n.a.	M 6
T 7	12 32 12	9°34'02	1♐41	24°R30	25°30	24°28	1°24	7°34	7°43	20°35	8° 6	12°35	14° 5	17°48	n.a.	T 7
W 8	12 36 8	10°31'47	15°38	24°27	26°35	25° 9	1°35	7°29	7°46	20°34	8° 6	12°36	14° 2	17°54	n.a.	W 8
T 9	12 40 5	11°29'30	29°42	24°19	27°42	25°50	1°45	7°25	7°50	20°32	8° 7	12°38	13°59	18° 1	n.a.	T 9
F 10	12 44 1	12°27'12	13♑53	24° 6	28°48	26°31	1°56	7°21	7°53	20°31	8° 8	12°R38	13°56	18° 8	n.a.	F 10
S 11	12 47 58	13°24'53	28° 7	23°50	29°54	27°12	2° 7	7°16	7°57	20°29	8° 9	12°37	13°53	18°14	n.a.	S 11
S 12	12 51 55	14°22'33	12♒23	23°29	1♓ 1	27°53	2°18	7°12	8° 0	20°28	8°10	12°35	13°50	18°21	n.a.	S 12
M13	12 55 51	15°20'12	26°37	23° 5	2° 7	28°34	2°29	7° 7	8° 4	20°26	8°11	12°32	13°46	18°28	n.a.	M13
T 14	12 59 48	16°17'50	10♓46	22°38	3°14	29°15	2°40	7° 3	8° 7	20°24	8°11	12°29	13°43	18°34	n.a.	T 14
W15	13 3 44	17°15'26	24°46	22° 8	4°21	29°55	2°51	6°58	8°11	20°23	8°12	12°25	13°40	18°41	n.a.	W15
T 16	13 7 41	18°13'01	8♈32	21°36	5°28	0♉36	3° 3	6°54	8°14	20°21	8°13	12°22	13°37	18°48	n.a.	T 16
F 17	13 11 37	19°10'35	22° 3	21° 3	6°35	1°17	3°14	6°50	8°17	20°19	8°13	12°19	13°34	18°55	n.a.	F 17
S 18	13 15 34	20° 8'07	5♉15	20°29	7°42	1°58	3°25	6°46	8°21	20°18	8°14	12°18	13°31	19° 1	n.a.	S 18
S 19	13 19 30	21° 5'38	18° 9	19°54	8°49	2°38	3°37	6°41	8°24	20°16	8°15	12°D18	13°27	19° 8	n.a.	S 19
M20	13 23 27	22° 3'08	0♊44	19°20	9°57	3°19	3°48	6°37	8°28	20°15	8°15	12°19	13°24	19°15	n.a.	M20
T 21	13 27 24	23° 0'37	13° 4	18°47	11° 5	3°59	4° 0	6°33	8°31	20°13	8°16	12°20	13°21	19°21	n.a.	T 21
W22	13 31 20	23°58'04	25°11	18°15	12°12	4°40	4°12	6°29	8°34	20°11	8°17	12°22	13°18	19°28	n.a.	W22
T 23	13 35 17	24°55'30	7♋ 9	17°45	13°20	5°20	4°23	6°25	8°38	20°10	8°17	12°23	13°15	19°35	n.a.	T 23
F 24	13 39 13	25°52'55	19° 2	17°17	14°28	6° 1	4°35	6°20	8°41	20° 8	8°18	12°24	13°11	19°42	n.a.	F 24
S 25	13 43 10	26°50'18	0♌55	16°53	15°36	6°41	4°47	6°16	8°44	20° 6	8°18	12°R24	13° 8	19°48	n.a.	S 25
S 26	13 47 6	27°47'40	12°53	16°32	16°44	7°22	4°59	6°12	8°48	20° 5	8°19	12°23	13° 5	19°55	n.a.	S 26
M27	13 51 3	28°45'00	25° 0	16°14	17°52	8° 2	5°11	6° 8	8°51	20° 3	8°19	12°22	13° 2	20° 2	n.a.	M27
T 28	13 54 59	29°42'19	7♍20	16° 0	19° 0	8°42	5°23	6° 5	8°54	20° 2	8°20	12°21	12°59	20° 8	n.a.	T 28
W29	13 58 56	0♉39'37	19°56	15°50	20° 9	9°23	5°35	6° 1	8°58	20° 0	8°20	12°19	12°56	20°15	n.a.	W29
T 30	14 2 52	1♉36'54	2♎51	15♈45	21♓17	10♉ 3	5♊47	5♎57	9♈ 1	19♎58	8♒20	12♏18	12♏52	20♋22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n31	3n 4	4s31	11n46	2n54	15s43	0s24	8n 6	0n 3	20n26	0s 5	0s37	2n50	2n25	0s36	6s18	2n 4	31s38	13s38	15s55	16s23	18n 7		n.a.
T 2	1 55	1s20	3 51	11 54	2 51	15 27	0 28	8 22	0 3	20 28	0 5	0 35	2 50	2 27	0 36	6 18	2 4	31 38	13 38	15 53	16 22	18 6		n.a.
F 3	2 18	5 46	2 59	11 59	2 47	15 10	0 33	8 38	0 4	20 30	0 5	0 34	2 50	2 28	0 36	6 17	2 4	31 38	13 38	15 51	16 21	18 5		n.a.
S 4	2 41	10 1	1 56	12 0	2 42	14 53	0 37	8 54	0 4	20 32	0 5	0 32	2 50	2 29	0 36	6 16	2 4	31 38	13 39	15 50	16 20	18 4		n.a.
S 5	3 4	13 49	0 45	11 59	2 36	14 35	0 41	9 11	0 5	20 35	0 5	0 30	2 50	2 31	0 36	6 16	2 4	31 38	13 39	15 50	16 19	18 2		n.a.
M 6	3 27	16 56	0n29	11 54	2 28	14 16	0 45	9 27	0 6	20 37	0 5	0 28	2 50	2 32	0 36	6 15	2 4	31 38	13 39	15 49	16 18	18 1		n.a.
T 7	3 51	19 7	1 43	11 47	2 19	13 58	0 49	9 42	0 6	20 39	0 5	0 26	2 50	2 34	0 36	6 15	2 4	31 38	13 40	15 50	16 17	18 0		n.a.
W 8	4 13	20 9	2 51	11 36	2 10	13 39	0 52	9 58	0 7	20 42	0 5	0 25	2 50	2 35	0 36	6 14	2 4	31 38	13 40	15 50	16 16	17 59		n.a.
T 9	4 36	19 57	3 50	11 23	1 59	13 19	0 56	10 14	0 7	20 44	0 4	0 23	2 50	2 36	0 36	6 13	2 4	31 38	13 40	15 51	16 15	17 57		n.a.
F 10	4 59	18 29	4 35	11 7	1 47	12 59	1 0	10 30	0 8	20 46	0 4	0 21	2 50	2 38	0 36	6 13	2 4	31 38	13 41	15 51	16 15	17 56		n.a.
S 11	5 22	15 53	5 3	10 49	1 34	12 39	1 3	10 45	0 9	20 48	0 4	0 19	2 50	2 39	0 36	6 12	2 4	31 38	13 41	15 51	16 14	17 55		n.a.
S 12	5 45	12 19	5 13	10 28	1 20	12 18	1 6	11 1	0 9	20 51	0 4	0 18	2 50	2 40	0 36	6 12	2 4	31 38	13 41	15 50	16 13	17 54		n.a.
M13	6 7	8 4	5 4	10 6	1 5	11 57	1 10	11 16	0 10	20 53	0 4	0 16	2 50	2 42	0 36	6 11	2 4	31 38	13 42	15 49	16 12	17 52		n.a.
T 14	6 30	3 23	4 36	9 41	0 49	11 35	1 13	11 31	0 10	20 55	0 4	0 14	2 50	2 43	0 36	6 10	2 4	31 38	13 42	15 48	16 11	17 51		n.a.
W15	6 52	1n26	3 52	9 15	0 33	11 14	1 16	11 46	0 11	20 58	0 4	0 13	2 50	2 45	0 36	6 10	2 4	31 38	13 42	15 47	16 10	17 50		n.a.
T 16	7 14	6 6	2 55	8 47	0 16	10 51	1 19	12 1	0 12	21 0	0 4	0 11	2 50	2 46	0 36	6 9	2 4	31 39	13 43	15 46	16 9	17 48		n.a.
F 17	7 37	10 23	1 49	8 19	0s 1	10 29	1 22	12 16	0 12	21 2	0 3	0 9	2 50	2 47	0 36	6 8	2 4	31 39	13 43	15 45	16 8	17 47		n.a.
S 18	7 59	14 4	0 39	7 50	0 18	10 6	1 24	12 31	0 13	21 5	0 3	0 8	2 50	2 49	0 36	6 8	2 4	31 39	13 43	15 45	16 7	17 46		n.a.
S 19	8 21	16 58	0s32	7 21	0 35	9 43	1 27	12 46	0 13	21 7	0 3	0 6	2 50	2 50	0 36	6 7	2 4	31 39	13 44	15 45	16 6	17 45		n.a.
M20	8 42	18 58	1 40	6 52	0 52	9 19	1 30	13 1	0 14	21 9	0 3	0 4	2 50	2 51	0 36	6 7	2 4	31 39	13 44	15 45	16 5	17 43		n.a.
T 21	9 4	20 1	2 42	6 24	1 9	8 56	1 32	13 15	0 15	21 12	0 3	0 3	2 49	2 53	0 36	6 6	2 4	31 39	13 44	15 45	16 4	17 42		n.a.
W22	9 26	20 6	3 35	5 57	1 25	8 32	1 34	13 30	0 15	21 14	0 3	0 1	2 49	2 54	0 36	6 5	2 4	31 39	13 45	15 46	16 3	17 41		n.a.
T 23	9 47	19 17	4 18	5 31	1 40	8 7	1 37	13 44	0 16	21 16	0 3	0n 0	2 49	2 55	0 36	6 5	2 4	31 40	13 45	15 46	16 2	17 39		n.a.
F 24	10 8	17 37	4 50	5 6	1 55	7 43	1 39	13 58	0 16	21 19	0 3	0 2	2 49	2 57	0 36	6 4	2 4	31 40	13 45	15 46	16 1	17 38		n.a.
S 25	10 29	15 12	5 10	4 44	2 10	7 18	1 41	14 12	0 17	21 21	0 3	0 3	2 49	2 58	0 36	6 4	2 4	31 40	13 46	15 46	16 0	17 37		n.a.
S 26	10 50	12 8	5 16	4 23	2 23	6 53	1 43	14 26	0 17	21 23	0 2	0 5	2 49	2 59	0 36	6 3	2 4	31 40	13 46	15 46	15 59	17 35		n.a.
M27	11 11	8 32	5 8	4 5	2 35	6 27	1 44	14 40	0 18	21 26	0 2	0 6	2 49	3 1	0 36	6 2	2 4	31 40	13 46	15 46	15 58	17 34		n.a.
T 28	11 31	4 31	4 47	3 50	2 46	6 2	1 46	14 54	0 18	21 28	0 2	0 8	2 49	3 2	0 36	6 2	2 4	31 41	13 47	15 45	15 57	17 33		n.a.
W29	11 52	0 12	4 11	3 36	2 57	5 36	1 48	15 7	0 19	21 30	0 2	0 9	2 49	3 3	0 36	6 1	2 4	31 41	13 47	15 45	15 56	17 32		n.a.
T 30	12n12	4s13	3s21	3n26	3s 6	5s10	1s49	15n21	0n20	21n32	0s 2	0n11	2n48	3n 5	0s36	6s 1	2n 4	31s41	13s48	15s44	15s55	17n30		n.a.

Julian Day Number = 1477526.5, Delta T = 05h25m34s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'45, Lahiri = -13°10'44 Julian Calendar 1 Apr. 668 BCE == Greg. Calendar 25 March 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

MAY 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 6 49	2♉34'10	16♎ 5	15°D44	22♓26	10♉43	5♊59	5°R53	9♈ 4	19°R57	8♒21	12°R17	12♏49	20♋29	n.a.	F 1
S 2	14 10 46	3°31'25	29°38	15♈47	23°34	11°23	6°12	5♎49	9° 7	19♎55	8°21	12♏16	12°46	20°35	n.a.	S 2
S 3	14 14 42	4°28'39	13♏29	15°55	24°43	12° 3	6°24	5°46	9°10	19°54	8°21	12°D16	12°43	20°42	n.a.	S 3
M 4	14 18 39	5°25'53	27°34	16° 7	25°52	12°43	6°36	5°42	9°14	19°52	8°22	12°16	12°40	20°49	n.a.	M 4
T 5	14 22 35	6°23'05	11♐49	16°24	27° 1	13°24	6°49	5°39	9°17	19°51	8°22	12°16	12°36	20°55	n.a.	T 5
W 6	14 26 32	7°20'18	26°11	16°45	28°10	14° 4	7° 1	5°35	9°20	19°49	8°22	12°17	12°33	21° 2	n.a.	W 6
T 7	14 30 28	8°17'30	10♑34	17°11	29°19	14°44	7°14	5°32	9°23	19°48	8°22	12°17	12°30	21° 9	n.a.	T 7
F 8	14 34 25	9°14'41	24°55	17°41	0♈28	15°23	7°26	5°28	9°26	19°46	8°23	12°17	12°27	21°16	n.a.	F 8
S 9	14 38 22	10°11'52	9♒10	18°16	1°37	16° 3	7°39	5°25	9°29	19°45	8°23	12°R18	12°24	21°22	n.a.	S 9
S 10	14 42 18	11° 9'03	23°18	18°54	2°47	16°43	7°52	5°22	9°32	19°43	8°23	12°18	12°21	21°29	n.a.	S 10
M11	14 46 15	12° 6'13	7♓15	19°37	3°56	17°23	8° 4	5°19	9°35	19°42	8°23	12°D17	12°17	21°36	n.a.	M11
T 12	14 50 11	13° 3'23	21° 1	20°24	5° 6	18° 3	8°17	5°16	9°38	19°40	8°23	12°18	12°14	21°42	n.a.	T 12
W13	14 54 8	14° 0'33	4♈35	21°15	6°15	18°43	8°30	5°13	9°41	19°39	8°23	12°18	12°11	21°49	n.a.	W13
T 14	14 58 4	14°57'43	17°55	22° 9	7°25	19°23	8°43	5°10	9°44	19°37	8°23	12°18	12° 8	21°56	n.a.	T 14
F 15	15 2 1	15°54'52	1♉ 1	23° 8	8°35	20° 2	8°55	5° 7	9°47	19°36	8°23	12°18	12° 5	22° 3	n.a.	F 15
S 16	15 5 57	16°52'01	13°53	24°10	9°44	20°42	9° 8	5° 4	9°50	19°34	8°R23	12°R18	12° 2	22° 9	n.a.	S 16
S 17	15 9 54	17°49'10	26°31	25°15	10°54	21°22	9°21	5° 1	9°53	19°33	8°23	12°18	11°58	22°16	n.a.	S 17
M18	15 13 51	18°46'18	8♊57	26°25	12° 4	22° 1	9°34	4°59	9°56	19°32	8°23	12°17	11°55	22°23	n.a.	M18
T 19	15 17 47	19°43'26	21°10	27°38	13°14	22°41	9°47	4°56	9°59	19°30	8°23	12°17	11°52	22°29	n.a.	T 19
W20	15 21 44	20°40'33	3♋14	28°54	14°24	23°21	10° 0	4°54	10° 2	19°29	8°23	12°16	11°49	22°36	n.a.	W20
T 21	15 25 40	21°37'41	15°10	0♌14	15°34	24° 0	10°13	4°51	10° 5	19°28	8°23	12°14	11°46	22°43	n.a.	T 21
F 22	15 29 37	22°34'47	27° 3	1°38	16°44	24°40	10°26	4°49	10° 7	19°26	8°23	12°13	11°42	22°50	n.a.	F 22
S 23	15 33 33	23°31'53	8♌55	3° 4	17°55	25°19	10°39	4°47	10°10	19°25	8°23	12°12	11°39	22°56	n.a.	S 23
S 24	15 37 30	24°28'59	20°52	4°35	19° 5	25°59	10°52	4°45	10°13	19°24	8°23	12°D12	11°36	23° 3	n.a.	S 24
M25	15 41 26	25°26'05	2♍58	6° 8	20°15	26°38	11° 5	4°43	10°15	19°23	8°23	12°12	11°33	23°10	n.a.	M25
T 26	15 45 23	26°23'10	15°17	7°45	21°26	27°17	11°19	4°41	10°18	19°21	8°22	12°13	11°30	23°16	n.a.	T 26
W27	15 49 20	27°20'14	27°54	9°25	22°36	27°57	11°32	4°39	10°21	19°20	8°22	12°14	11°27	23°23	n.a.	W27
T 28	15 53 16	28°17'19	10♎51	11° 8	23°47	28°36	11°45	4°37	10°23	19°19	8°22	12°15	11°23	23°30	n.a.	T 28
F 29	15 57 13	29°14'23	24°12	12°54	24°57	29°15	11°58	4°36	10°26	19°18	8°22	12°16	11°20	23°37	n.a.	F 29
S 30	16 1 9	0♊11'27	7♏57	14°43	26° 8	29°55	12°11	4°34	10°28	19°17	8°21	12°R17	11°17	23°43	n.a.	S 30
S 31	16 5 6	1♊ 8'32	22♏ 5	16♉35	27♈18	0♊34	12♊25	4♎32	10♈31	19♎16	8♒21	12♏17	11♏14	23♋50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n32	8s34	2s20	3n18	3s14	4s44	1s51	15n34	0n20	21n35	0s 2	0n12	2n48	3n 6	0s36	6s 0	2n 4	31s41	13s48	15s44	15s54	17n29		n.a.
S 2	12 52	12 35	1 9	3 13	3 20	4 18	1 52	15 47	0 21	21 37	0 2	0 13	2 48	3 7	0 36	5 59	2 4	31 42	13 48	15 44	15 53	17 28		n.a.
S 3	13 11	16 0	0n 7	3 11	3 26	3 51	1 53	16 0	0 21	21 39	0 2	0 15	2 48	3 8	0 36	5 59	2 4	31 42	13 49	15 44	15 52	17 26		n.a.
M 4	13 31	18 32	1 24	3 11	3 31	3 25	1 54	16 13	0 22	21 41	0 2	0 16	2 48	3 10	0 36	5 58	2 4	31 42	13 49	15 44	15 51	17 25		n.a.
T 5	13 50	19 56	2 37	3 15	3 34	2 58	1 55	16 26	0 22	21 44	0 1	0 17	2 48	3 11	0 36	5 58	2 4	31 42	13 49	15 44	15 50	17 24		n.a.
W 6	14 9	20 3	3 40	3 20	3 37	2 31	1 56	16 39	0 23	21 46	0 1	0 18	2 47	3 12	0 36	5 57	2 4	31 43	13 50	15 44	15 49	17 22		n.a.
T 7	14 28	18 52	4 30	3 29	3 39	2 4	1 57	16 51	0 23	21 48	0 1	0 20	2 47	3 13	0 36	5 57	2 4	31 43	13 50	15 44	15 48	17 21		n.a.
F 8	14 47	16 29	5 3	3 40	3 39	1 36	1 58	17 4	0 24	21 50	0 1	0 21	2 47	3 15	0 36	5 56	2 4	31 43	13 50	15 44	15 47	17 20		n.a.
S 9	15 5	13 7	5 17	3 54	3 39	1 9	1 58	17 16	0 25	21 53	0 1	0 22	2 47	3 16	0 36	5 55	2 4	31 43	13 51	15 44	15 46	17 18		n.a.
S 10	15 23	9 3	5 11	4 9	3 38	0 42	1 59	17 28	0 25	21 55	0 1	0 23	2 47	3 17	0 36	5 55	2 3	31 44	13 51	15 44	15 45	17 17		n.a.
M11	15 41	4 31	4 48	4 28	3 35	0 14	1 59	17 40	0 26	21 57	0 1	0 24	2 47	3 18	0 36	5 54	2 3	31 44	13 52	15 44	15 44	17 16		n.a.
T 12	15 59	0n11	4 8	4 48	3 32	0n13	2 0	17 52	0 26	21 59	0 1	0 25	2 46	3 20	0 36	5 54	2 3	31 44	13 52	15 44	15 43	17 14		n.a.
W13	16 16	4 49	3 14	5 11	3 29	0 41	2 0	18 4	0 27	22 1	0 1	0 26	2 46	3 21	0 36	5 53	2 3	31 45	13 52	15 44	15 42	17 13		n.a.
T 14	16 33	9 8	2 11	5 36	3 24	1 9	2 0	18 15	0 27	22 3	0 0	0 27	2 46	3 22	0 36	5 53	2 3	31 45	13 53	15 44	15 41	17 11		n.a.
F 15	16 50	12 58	1 2	6 2	3 19	1 36	2 0	18 27	0 28	22 5	0 0	0 28	2 46	3 23	0 36	5 52	2 3	31 45	13 53	15 45	15 40	17 10		n.a.
S 16	17 7	16 5	0s 9	6 31	3 13	2 4	2 0	18 38	0 28	22 8	0 0	0 29	2 46	3 24	0 36	5 52	2 3	31 46	13 53	15 45	15 39	17 9		n.a.
S 17	17 23	18 23	1 18	7 1	3 6	2 32	2 0	18 49	0 29	22 10	0 0	0 30	2 45	3 25	0 36	5 51	2 3	31 46	13 54	15 45	15 38	17 7		n.a.
M18	17 39	19 45	2 22	7 33	2 59	3 0	2 0	19 0	0 29	22 12	0 0	0 31	2 45	3 26	0 36	5 51	2 3	31 46	13 54	15 44	15 37	17 6		n.a.
T 19	17 55	20 10	3 19	8 7	2 51	3 28	2 0	19 11	0 30	22 14	0n 0	0 32	2 45	3 28	0 36	5 50	2 3	31 47	13 54	15 44	15 36	17 5		n.a.
W20	18 10	19 38	4 6	8 42	2 42	3 55	1 59	19 21	0 30	22 16	0 0	0 32	2 45	3 29	0 36	5 50	2 3	31 47	13 55	15 44	15 35	17 3		n.a.
T 21	18 25	18 14	4 42	9 19	2 34	4 23	1 59	19 32	0 31	22 18	0 0	0 33	2 44	3 30	0 36	5 49	2 3	31 48	13 55	15 43	15 34	17 2		n.a.
F 22	18 40	16 3	5 5	9 57	2 24	4 51	1 58	19 42	0 31	22 20	0 0	0 34	2 44	3 31	0 36	5 49	2 3	31 48	13 55	15 43	15 33	17 1		n.a.
S 23	18 55	13 12	5 16	10 37	2 14	5 19	1 58	19 52	0 32	22 22	0 1	0 35	2 44	3 32	0 36	5 48	2 3	31 48	13 56	15 43	15 32	16 59		n.a.
S 24	19 9	9 48	5 13	11 17	2 4	5 46	1 57	20 2	0 32	22 24	0 1	0 35	2 44	3 33	0 36	5 48	2 3	31 49	13 56	15 43	15 31	16 58		n.a.
M25	19 23	5 58	4 56	11 58	1 53	6 14	1 56	20 12	0 33	22 26	0 1	0 36	2 44	3 34	0 36	5 48	2 3	31 49	13 57	15 43	15 30	16 56		n.a.
T 26	19 37	1 48	4 25	12 41	1 42	6 41	1 55	20 22	0 33	22 28	0 1	0 36	2 43	3 35	0 36	5 47	2 3	31 49	13 57	15 43	15 29	16 55		n.a.
W27	19 50	2s32	3 41	13 24	1 31	7 9	1 55	20 32	0 34	22 30	0 1	0 37	2 43	3 36	0 36	5 47	2 3	31 50	13 57	15 43	15 29	16 54		n.a.
T 28	20 3	6 53	2 45	14 7	1 20	7 36	1 54	20 41	0 34	22 32	0 1	0 37	2 43	3 37	0 36	5 46	2 3	31 50	13 58	15 44	15 28	16 52		n.a.
F 29	20 16	11 2	1 38	14 51	1 8	8 3	1 52	20 50	0 35	22 34	0 1	0 38	2 43	3 38	0 36	5 46	2 3	31 51	13 58	15 44	15 27	16 51		n.a.
S 30	20 28	14 44	0 24	15 35	0 56	8 30	1 51	20 59	0 35	22 35	0 1	0 38	2 42	3 39	0 36	5 46	2 3	31 51	13 58	15 44	15 26	16 49		n.a.
S 31	20n40	17s41	0n54	16n19	0s44	8n57	1s50	21n 8	0n36	22n37	0n 1	0n39	2n42	3n40	0s36	5s45	2n 3	31s52	13s59	15s44	15s25	16n48		n.a.

Julian Day Number = 1477556.5, Delta T = 05h25m33s
Ecliptic obliquity = 23°46'26, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'41, Lahiri = -13°10'40 Julian Calendar 1 May 668 BCE == Greg. Calendar 24 Apr. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

JUNE 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 9 2	2♊ 5'36	6♐33	18♉30	28♈29	1♊13	12♊38	4°R31	10♈33	19°R15	8°R21	12°R15	11♏11	23♋57	n.a.	M 1
T 2	16 12 59	3° 2'41	21°14	20°27	29°40	1°52	12°51	4♎30	10°36	19♎13	8♒20	12♏13	11° 8	24° 3	n.a.	T 2
W 3	16 16 55	3°59'46	6♑ 2	22°27	0♉51	2°32	13° 5	4°28	10°38	19°12	8°20	12°11	11° 4	24°10	n.a.	W 3
T 4	16 20 52	4°56'51	20°50	24°28	2° 2	3°11	13°18	4°27	10°40	19°11	8°19	12° 8	11° 1	24°17	n.a.	T 4
F 5	16 24 49	5°53'57	5♒30	26°32	3°13	3°50	13°31	4°26	10°43	19°10	8°19	12° 5	10°58	24°24	n.a.	F 5
S 6	16 28 45	6°51'03	19°56	28°37	4°24	4°29	13°45	4°25	10°45	19° 9	8°18	12° 3	10°55	24°30	n.a.	S 6
S 7	16 32 42	7°48'10	4♓ 6	0♊44	5°35	5° 8	13°58	4°24	10°47	19° 8	8°18	12°D 3	10°52	24°37	n.a.	S 7
M 8	16 36 38	8°45'18	17°57	2°51	6°46	5°47	14°11	4°24	10°49	19° 8	8°17	12° 3	10°48	24°44	n.a.	M 8
T 9	16 40 35	9°42'26	1♈29	4°59	7°57	6°26	14°25	4°23	10°51	19° 7	8°17	12° 4	10°45	24°51	n.a.	T 9
W10	16 44 31	10°39'35	14°44	7° 8	9° 9	7° 5	14°38	4°22	10°54	19° 6	8°16	12° 5	10°42	24°57	n.a.	W10
T 11	16 48 28	11°36'45	27°43	9°17	10°20	7°44	14°51	4°22	10°56	19° 5	8°16	12° 7	10°39	25° 4	n.a.	T 11
F 12	16 52 25	12°33'55	10♉28	11°25	11°31	8°23	15° 5	4°22	10°58	19° 4	8°15	12°R 8	10°36	25°11	n.a.	F 12
S 13	16 56 21	13°31'06	23° 1	13°34	12°43	9° 2	15°18	4°21	11° 0	19° 3	8°15	12° 7	10°33	25°17	n.a.	S 13
S 14	17 0 18	14°28'18	5♊23	15°41	13°54	9°41	15°32	4°21	11° 2	19° 3	8°14	12° 5	10°29	25°24	n.a.	S 14
M15	17 4 14	15°25'31	17°35	17°48	15° 6	10°20	15°45	4°21	11° 4	19° 2	8°13	12° 1	10°26	25°31	n.a.	M15
T 16	17 8 11	16°22'44	29°40	19°54	16°18	10°59	15°58	4°D21	11° 5	19° 1	8°13	11°56	10°23	25°38	n.a.	T 16
W17	17 12 7	17°19'58	11♋38	21°59	17°29	11°38	16°12	4°21	11° 7	19° 0	8°12	11°50	10°20	25°44	n.a.	W17
T 18	17 16 4	18°17'12	23°32	24° 2	18°41	12°16	16°25	4°21	11° 9	19° 0	8°11	11°44	10°17	25°51	n.a.	T 18
F 19	17 20 0	19°14'27	5♌24	26° 4	19°53	12°55	16°38	4°22	11°11	18°59	8°11	11°37	10°14	25°58	n.a.	F 19
S 20	17 23 57	20°11'43	17°16	28° 5	21° 5	13°34	16°52	4°22	11°13	18°59	8°10	11°32	10°10	26° 4	n.a.	S 20
S 21	17 27 54	21° 8'59	29°11	0♋ 4	22°16	14°13	17° 5	4°22	11°14	18°58	8° 9	11°28	10° 7	26°11	n.a.	S 21
M22	17 31 50	22° 6'15	11♍15	2° 1	23°28	14°51	17°19	4°23	11°16	18°58	8° 8	11°26	10° 4	26°18	n.a.	M22
T 23	17 35 47	23° 3'32	23°31	3°57	24°40	15°30	17°32	4°24	11°17	18°57	8° 7	11°D25	10° 1	26°25	n.a.	T 23
W24	17 39 43	24° 0'50	6♎ 4	5°51	25°52	16° 9	17°45	4°24	11°19	18°57	8° 7	11°26	9°58	26°31	n.a.	W24
T 25	17 43 40	24°58'08	18°58	7°44	27° 4	16°47	17°59	4°25	11°20	18°56	8° 6	11°27	9°54	26°38	n.a.	T 25
F 26	17 47 36	25°55'28	2♏17	9°35	28°16	17°26	18°12	4°26	11°22	18°56	8° 5	11°28	9°51	26°45	n.a.	F 26
S 27	17 51 33	26°52'48	16° 3	11°24	29°29	18° 5	18°25	4°27	11°23	18°55	8° 4	11°R28	9°48	26°51	n.a.	S 27
S 28	17 55 29	27°50'08	0♐18	13°12	0♊41	18°43	18°38	4°28	11°25	18°55	8° 3	11°27	9°45	26°58	n.a.	S 28
M29	17 59 26	28°47'30	14°57	14°58	1°53	19°22	18°52	4°30	11°26	18°55	8° 2	11°24	9°42	27° 5	n.a.	M29
T 30	18 3 23	29♊44'53	29♐55	16♋42	3♊ 5	20♊ 0	19♊ 5	4♎31	11♈27	18♎54	8♒ 1	11♏18	9♏39	27♋12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n52	19s34	2n10	17n 3	0s33	9n24	1s49	21n17	0n36	22n39	0n 1	0n39	2n42	3n41	0s36	5s45	2n 3	31s52	13s59	15s44	15s24	16n47		n.a.
T 2	21 4	20 11	3 18	17 46	0 21	9 50	1 47	21 26	0 37	22 41	0 2	0 39	2 42	3 42	0 36	5 44	2 3	31 52	13 59	15 43	15 23	16 45		n.a.
W 3	21 15	19 24	4 14	18 29	0 9	10 17	1 46	21 34	0 37	22 43	0 2	0 40	2 41	3 43	0 36	5 44	2 3	31 53	14 0	15 42	15 22	16 44		n.a.
T 4	21 25	17 19	4 53	19 11	0n 2	10 43	1 45	21 42	0 38	22 45	0 2	0 40	2 41	3 44	0 36	5 44	2 2	31 53	14 0	15 41	15 21	16 42		n.a.
F 5	21 35	14 7	5 12	19 52	0 13	11 9	1 43	21 50	0 38	22 46	0 2	0 40	2 41	3 45	0 36	5 43	2 2	31 54	14 0	15 41	15 20	16 41		n.a.
S 6	21 45	10 7	5 11	20 31	0 24	11 35	1 41	21 58	0 39	22 48	0 2	0 40	2 41	3 46	0 36	5 43	2 2	31 54	14 1	15 40	15 19	16 40		n.a.
S 7	21 55	5 37	4 51	21 8	0 34	12 0	1 40	22 6	0 39	22 50	0 2	0 40	2 40	3 46	0 36	5 43	2 2	31 55	14 1	15 40	15 17	16 38		n.a.
M 8	22 4	0 56	4 15	21 44	0 44	12 25	1 38	22 13	0 40	22 51	0 2	0 40	2 40	3 47	0 36	5 42	2 2	31 55	14 1	15 40	15 16	16 37		n.a.
T 9	22 13	3n43	3 25	22 18	0 53	12 50	1 36	22 21	0 40	22 53	0 2	0 40	2 40	3 48	0 36	5 42	2 2	31 56	14 2	15 40	15 15	16 35		n.a.
W10	22 21	8 6	2 25	22 49	1 1	13 15	1 34	22 28	0 41	22 55	0 2	0 40	2 40	3 49	0 36	5 42	2 2	31 56	14 2	15 41	15 14	16 34		n.a.
T 11	22 29	12 1	1 18	23 18	1 9	13 40	1 32	22 35	0 41	22 56	0 2	0 40	2 39	3 50	0 36	5 42	2 2	31 56	14 2	15 41	15 13	16 33		n.a.
F 12	22 37	15 19	0 9	23 44	1 17	14 4	1 30	22 42	0 42	22 58	0 3	0 40	2 39	3 51	0 36	5 41	2 2	31 57	14 3	15 41	15 12	16 31		n.a.
S 13	22 44	17 50	0s59	24 7	1 23	14 28	1 28	22 48	0 42	23 0	0 3	0 40	2 39	3 51	0 36	5 41	2 2	31 57	14 3	15 41	15 11	16 30		n.a.
S 14	22 51	19 28	2 4	24 28	1 29	14 52	1 26	22 55	0 42	23 1	0 3	0 40	2 38	3 52	0 36	5 41	2 2	31 58	14 3	15 40	15 10	16 28		n.a.
M15	22 58	20 10	3 1	24 46	1 35	15 15	1 24	23 1	0 43	23 3	0 3	0 40	2 38	3 53	0 36	5 41	2 2	31 58	14 4	15 39	15 9	16 27		n.a.
T 16	23 4	19 56	3 50	25 2	1 39	15 38	1 22	23 7	0 43	23 4	0 3	0 40	2 38	3 54	0 36	5 40	2 2	31 59	14 4	15 38	15 8	16 25		n.a.
W17	23 10	18 48	4 28	25 14	1 43	16 1	1 20	23 13	0 44	23 6	0 3	0 39	2 38	3 54	0 36	5 40	2 2	31 59	14 4	15 36	15 7	16 24		n.a.
T 18	23 15	16 51	4 55	25 24	1 46	16 23	1 18	23 19	0 44	23 7	0 3	0 39	2 37	3 55	0 36	5 40	2 2	32 0	14 4	15 34	15 6	16 22		n.a.
F 19	23 20	14 12	5 8	25 31	1 48	16 45	1 15	23 24	0 45	23 9	0 3	0 39	2 37	3 56	0 36	5 40	2 2	32 0	14 5	15 32	15 5	16 21		n.a.
S 20	23 24	10 59	5 9	25 35	1 50	17 6	1 13	23 30	0 45	23 10	0 3	0 38	2 37	3 56	0 36	5 40	2 2	32 1	14 5	15 30	15 4	16 20		n.a.
S 21	23 28	7 18	4 55	25 37	1 51	17 27	1 11	23 35	0 46	23 12	0 4	0 38	2 37	3 57	0 36	5 40	2 2	32 1	14 5	15 29	15 3	16 18		n.a.
M22	23 32	3 18	4 29	25 37	1 51	17 48	1 8	23 40	0 46	23 13	0 4	0 37	2 36	3 58	0 36	5 39	2 1	32 2	14 6	15 28	15 2	16 17		n.a.
T 23	23 35	0s55	3 50	25 34	1 51	18 8	1 6	23 45	0 47	23 15	0 4	0 37	2 36	3 58	0 36	5 39	2 1	32 2	14 6	15 28	15 1	16 15		n.a.
W24	23 38	5 11	3 0	25 29	1 50	18 28	1 4	23 49	0 47	23 16	0 4	0 36	2 36	3 59	0 36	5 39	2 1	32 3	14 6	15 28	15 0	16 14		n.a.
T 25	23 41	9 21	1 59	25 21	1 49	18 47	1 1	23 54	0 47	23 17	0 4	0 36	2 36	3 59	0 36	5 39	2 1	32 3	14 6	15 29	14 59	16 12		n.a.
F 26	23 43	13 12	0 50	25 12	1 47	19 6	0 59	23 58	0 48	23 19	0 4	0 35	2 35	4 0	0 36	5 39	2 1	32 4	14 7	15 29	14 58	16 11		n.a.
S 27	23 44	16 29	0n25	25 1	1 44	19 25	0 56	24 2	0 48	23 20	0 4	0 34	2 35	4 0	0 37	5 39	2 1	32 4	14 7	15 29	14 57	16 9		n.a.
S 28	23 45	18 52	1 40	24 47	1 41	19 42	0 53	24 6	0 49	23 21	0 4	0 34	2 35	4 1	0 37	5 39	2 1	32 5	14 7	15 29	14 56	16 8		n.a.
M29	23 46	20 5	2 50	24 32	1 38	20 0	0 51	24 9	0 49	23 22	0 4	0 33	2 34	4 1	0 37	5 39	2 1	32 5	14 7	15 28	14 55	16 6		n.a.
T 30	23n46	19s56	3n51	24n16	1n34	20n17	0s48	24n13	0n50	23n24	0n 4	0n32	2n34	4n 2	0s37	5s39	2n 1	32s 6	14s 8	15s26	14s54	16n 5		n.a.

Julian Day Number = 1477587.5, Delta T = 05h25m31s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'36, Lahiri = -13°10'36 Julian Calendar 1 June 668 BCE == Greg. Calendar 25 May 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

JULY 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 7 19	0♋42'17	15♉ 5	18♋25	4♊18	20♊39	19♊18	4♎33	11♈28	18°R54	8°R 0	11°R11	9♏35	27♋18	n.a.	W 1
T 2	18 11 16	1°39'42	0♒15	20° 6	5°30	21°18	19°31	4°34	11°30	18♎54	7♒59	11♏ 4	9°32	27°25	n.a.	T 2
F 3	18 15 12	2°37'08	15°15	21°45	6°43	21°56	19°45	4°36	11°31	18°54	7°58	10°57	9°29	27°32	n.a.	F 3
S 4	18 19 9	3°34'36	29°58	23°23	7°55	22°35	19°58	4°37	11°32	18°54	7°57	10°51	9°26	27°39	n.a.	S 4
S 5	18 23 5	4°32'05	14♓17	25° 0	9° 8	23°13	20°11	4°39	11°33	18°54	7°56	10°48	9°23	27°45	n.a.	S 5
M 6	18 27 2	5°29'35	28°11	26°34	10°21	23°51	20°24	4°41	11°34	18°53	7°55	10°46	9°19	27°52	n.a.	M 6
T 7	18 30 59	6°27'08	11♈40	28° 8	11°33	24°30	20°37	4°43	11°35	18°53	7°54	10°D46	9°16	27°59	n.a.	T 7
W 8	18 34 55	7°24'41	24°47	29°39	12°46	25° 8	20°50	4°45	11°36	18°D53	7°53	10°46	9°13	28° 5	n.a.	W 8
T 9	18 38 52	8°22'17	7♉33	1♌ 9	13°59	25°47	21° 3	4°47	11°36	18°53	7°52	10°R47	9°10	28°12	n.a.	T 9
F 10	18 42 48	9°19'54	20° 4	2°37	15°12	26°25	21°16	4°50	11°37	18°53	7°51	10°47	9° 7	28°19	n.a.	F 10
S 11	18 46 45	10°17'33	2♊23	4° 4	16°25	27° 3	21°29	4°52	11°38	18°53	7°50	10°44	9° 4	28°26	n.a.	S 11
S 12	18 50 41	11°15'13	14°32	5°29	17°38	27°42	21°42	4°54	11°39	18°54	7°49	10°40	9° 0	28°32	n.a.	S 12
M13	18 54 38	12°12'55	26°34	6°52	18°51	28°20	21°55	4°57	11°39	18°54	7°48	10°32	8°57	28°39	n.a.	M13
T 14	18 58 34	13°10'38	8♋31	8°14	20° 4	28°58	22° 8	5° 0	11°40	18°54	7°47	10°23	8°54	28°46	n.a.	T 14
W15	19 2 31	14° 8'23	20°25	9°34	21°17	29°37	22°21	5° 2	11°40	18°54	7°46	10°11	8°51	28°52	n.a.	W15
T 16	19 6 28	15° 6'10	2♌16	10°52	22°30	0♋15	22°34	5° 5	11°41	18°54	7°45	9°59	8°48	28°59	n.a.	T 16
F 17	19 10 24	16° 3'57	14° 8	12° 8	23°43	0°53	22°47	5° 8	11°41	18°55	7°44	9°47	8°45	29° 6	n.a.	F 17
S 18	19 14 21	17° 1'47	26° 1	13°23	24°56	1°32	23° 0	5°11	11°42	18°55	7°42	9°36	8°41	29°13	n.a.	S 18
S 19	19 18 17	17°59'37	7♍58	14°35	26°10	2°10	23°12	5°14	11°42	18°55	7°41	9°28	8°38	29°19	n.a.	S 19
M20	19 22 14	18°57'29	20° 2	15°45	27°23	2°48	23°25	5°17	11°42	18°56	7°40	9°22	8°35	29°26	n.a.	M20
T 21	19 26 10	19°55'23	2♎17	16°53	28°36	3°26	23°38	5°20	11°43	18°56	7°39	9°18	8°32	29°33	n.a.	T 21
W22	19 30 7	20°53'18	14°46	17°59	29°50	4° 4	23°50	5°24	11°43	18°56	7°38	9°17	8°29	29°40	n.a.	W22
T 23	19 34 3	21°51'14	27°35	19° 3	1♋ 3	4°43	24° 3	5°27	11°43	18°57	7°36	9°D17	8°25	29°46	n.a.	T 23
F 24	19 38 0	22°49'12	10♏48	20° 4	2°17	5°21	24°15	5°31	11°43	18°57	7°35	9°R17	8°22	29°53	n.a.	F 24
S 25	19 41 56	23°47'11	24°27	21° 2	3°30	5°59	24°28	5°34	11°R43	18°58	7°34	9°16	8°19	29°59	n.a.	S 25
S 26	19 45 53	24°45'12	8♐36	21°58	4°44	6°37	24°40	5°38	11°43	18°58	7°33	9°13	8°16	0♌ 6	n.a.	S 26
M27	19 49 50	25°43'14	23°13	22°51	5°57	7°15	24°53	5°42	11°43	18°59	7°32	9° 8	8°13	0°13	n.a.	M27
T 28	19 53 46	26°41'18	8♑14	23°41	7°11	7°53	25° 5	5°45	11°43	19° 0	7°30	9° 0	8°10	0°20	n.a.	T 28
W29	19 57 43	27°39'23	23°30	24°27	8°25	8°31	25°17	5°49	11°43	19° 0	7°29	8°51	8° 6	0°27	n.a.	W29
T 30	20 1 39	28°37'31	8♒51	25°10	9°39	9° 9	25°29	5°53	11°42	19° 1	7°28	8°40	8° 3	0°33	n.a.	T 30
F 31	20 5 36	29♋35'40	24♒ 5	25♌49	10♋53	9♋47	25♊41	5♎57	11♈42	19♎ 2	7♒27	8♏30	8♏ 0	0♌40	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n46	18s20	4n36	23n58	1n29	20n33	0s46	24n16	0n50	23n25	0n 5	0n31	2n34	4n 2	0s37	5s39	2n 1	32s 6	14s 8	15s24	14s53	16n 3			n.a.
T 2	23 46	15 29	5 1	23 38	1 25	20 49	0 43	24 19	0 50	23 26	0 5	0 30	2 34	4 3	0 37	5 39	2 1	32 7	14 8	15 21	14 52	16 2			n.a.
F 3	23 45	11 37	5 6	23 18	1 19	21 4	0 40	24 22	0 51	23 27	0 5	0 29	2 33	4 3	0 37	5 39	2 1	32 7	14 8	15 19	14 51	16 1			n.a.
S 4	23 43	7 7	4 50	22 55	1 14	21 19	0 38	24 25	0 51	23 28	0 5	0 28	2 33	4 4	0 37	5 39	2 1	32 8	14 9	15 17	14 50	15 59			n.a.
S 5	23 42	2 20	4 16	22 32	1 8	21 33	0 35	24 27	0 52	23 29	0 5	0 28	2 33	4 4	0 37	5 39	2 1	32 8	14 9	15 16	14 49	15 58			n.a.
M 6	23 39	2n27	3 28	22 8	1 1	21 47	0 32	24 30	0 52	23 30	0 5	0 27	2 33	4 4	0 37	5 39	2 1	32 9	14 9	15 16	14 48	15 56			n.a.
T 7	23 37	6 58	2 30	21 43	0 55	22 0	0 30	24 32	0 53	23 31	0 5	0 25	2 32	4 5	0 37	5 39	2 0	32 9	14 9	15 16	14 47	15 55			n.a.
W 8	23 34	11 2	1 25	21 17	0 48	22 12	0 27	24 34	0 53	23 32	0 5	0 24	2 32	4 5	0 37	5 39	2 0	32 10	14 10	15 16	14 46	15 53			n.a.
T 9	23 30	14 30	0 17	20 50	0 40	22 24	0 24	24 36	0 53	23 33	0 5	0 23	2 32	4 5	0 37	5 39	2 0	32 10	14 10	15 16	14 45	15 52			n.a.
F 10	23 26	17 13	0s50	20 23	0 33	22 35	0 21	24 37	0 54	23 34	0 6	0 22	2 32	4 6	0 37	5 39	2 0	32 11	14 10	15 16	14 44	15 50			n.a.
S 11	23 22	19 5	1 53	19 54	0 25	22 45	0 19	24 39	0 54	23 35	0 6	0 21	2 31	4 6	0 37	5 39	2 0	32 11	14 10	15 15	14 43	15 49			n.a.
S 12	23 17	20 3	2 50	19 26	0 16	22 55	0 16	24 40	0 55	23 36	0 6	0 20	2 31	4 6	0 37	5 39	2 0	32 12	14 10	15 14	14 42	15 47			n.a.
M13	23 12	20 5	3 39	18 57	0 8	23 5	0 13	24 41	0 55	23 37	0 6	0 18	2 31	4 6	0 37	5 39	2 0	32 12	14 11	15 11	14 41	15 46			n.a.
T 14	23 7	19 13	4 18	18 27	0s 1	23 13	0 11	24 42	0 55	23 38	0 6	0 17	2 30	4 7	0 37	5 39	2 0	32 13	14 11	15 8	14 40	15 44			n.a.
W15	23 1	17 30	4 45	17 57	0 9	23 21	0 8	24 42	0 56	23 39	0 6	0 16	2 30	4 7	0 37	5 39	2 0	32 13	14 11	15 5	14 39	15 43			n.a.
T 16	22 54	15 4	5 0	17 27	0 18	23 28	0 5	24 43	0 56	23 40	0 6	0 14	2 30	4 7	0 37	5 40	2 0	32 14	14 11	15 1	14 38	15 41			n.a.
F 17	22 47	12 1	5 1	16 57	0 28	23 35	0 3	24 43	0 57	23 41	0 6	0 13	2 30	4 7	0 37	5 40	2 0	32 14	14 11	14 57	14 37	15 40			n.a.
S 18	22 40	8 29	4 50	16 27	0 37	23 41	0n 0	24 43	0 57	23 42	0 6	0 12	2 29	4 7	0 37	5 40	2 0	32 15	14 11	14 53	14 36	15 38			n.a.
S 19	22 33	4 35	4 26	15 57	0 47	23 46	0 3	24 43	0 57	23 42	0 7	0 10	2 29	4 7	0 37	5 40	2 0	32 15	14 12	14 51	14 35	15 37			n.a.
M20	22 25	0 29	3 50	15 26	0 56	23 50	0 5	24 42	0 58	23 43	0 7	0 9	2 29	4 7	0 37	5 40	2 0	32 16	14 12	14 49	14 34	15 35			n.a.
T 21	22 16	3s42	3 3	14 57	1 6	23 54	0 8	24 42	0 58	23 44	0 7	0 7	2 29	4 7	0 37	5 41	2 0	32 16	14 12	14 48	14 33	15 34			n.a.
W22	22 7	7 50	2 6	14 27	1 16	23 57	0 11	24 41	0 59	23 45	0 7	0 6	2 29	4 8	0 37	5 41	1 59	32 17	14 12	14 47	14 32	15 32			n.a.
T 23	21 58	11 43	1 2	13 58	1 26	23 59	0 13	24 40	0 59	23 45	0 7	0 4	2 28	4 8	0 37	5 41	1 59	32 17	14 12	14 47	14 31	15 31			n.a.
F 24	21 49	15 9	0n 8	13 29	1 36	24 1	0 16	24 39	0 59	23 46	0 7	0 2	2 28	4 8	0 37	5 41	1 59	32 17	14 12	14 47	14 30	15 29			n.a.
S 25	21 39	17 52	1 20	13 0	1 46	24 2	0 18	24 38	1 0	23 47	0 7	0 1	2 28	4 8	0 37	5 42	1 59	32 18	14 12	14 47	14 28	15 28			n.a.
S 26	21 28	19 36	2 29	12 33	1 56	24 2	0 21	24 36	1 0	23 47	0 7	0s 1	2 28	4 8	0 37	5 42	1 59	32 18	14 12	14 46	14 27	15 26			n.a.
M27	21 18	20 6	3 30	12 6	2 7	24 1	0 23	24 35	1 1	23 48	0 7	0 3	2 27	4 7	0 37	5 42	1 59	32 19	14 13	14 44	14 26	15 24			n.a.
T 28	21 7	19 12	4 19	11 40	2 17	24 0	0 26	24 33	1 1	23 48	0 8	0 4	2 27	4 7	0 37	5 42	1 59	32 19	14 13	14 42	14 25	15 23			n.a.
W29	20 55	16 56	4 50	11 15	2 27	23 58	0 28	24 31	1 1	23 49	0 8	0 6	2 27	4 7	0 37	5 43	1 59	32 20	14 13	14 39	14 24	15 21			n.a.
T 30	20 43	13 28	5 1	10 51	2 37	23 55	0 30	24 29	1 2	23 50	0 8	0 8	2 27	4 7	0 37	5 43	1 59	32 20	14 13	14 35	14 23	15 20			n.a.
F 31	20n31	9s 7	4n50	10n29	2s46	23n52	0n33	24n26	1n 2	23n50	0n 8	0s10	2n26	4n 7	0s37	5s43	1n59	32s21	14s13	14s32	14s22	15n18			n.a.

Julian Day Number = 1477617.5, Delta T = 05h25m30s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'32, Lahiri = -13°10'32 Julian Calendar 1 July 668 BCE == Greg. Calendar 24 June 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

AUGUST 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 9 32	0♌33'51	9♓ 2	26♌24	12♋ 6	10♋25	25♊54	6♎ 1	11°R42	19♎ 2	7°R25	8°R21	7♏57	0♌47	n.a.	S 1
S 2	20 13 29	1°32'04	23°34	26°55	13°20	11° 3	26° 6	6° 6	11♈41	19° 3	7♒24	8♏14	7°54	0°53	n.a.	S 2
M 3	20 17 25	2°30'20	7♈37	27°22	14°34	11°41	26°18	6°10	11°41	19° 4	7°23	8°10	7°51	1° 0	n.a.	M 3
T 4	20 21 22	3°28'37	21°11	27°43	15°48	12°19	26°29	6°14	11°41	19° 5	7°22	8° 9	7°47	1° 7	n.a.	T 4
W 5	20 25 19	4°26'57	4♉18	28° 0	17° 2	12°57	26°41	6°19	11°40	19° 6	7°20	8° 9	7°44	1°14	n.a.	W 5
T 6	20 29 15	5°25'19	17° 1	28°11	18°16	13°35	26°53	6°23	11°40	19° 7	7°19	8° 8	7°41	1°20	n.a.	T 6
F 7	20 33 12	6°23'43	29°27	28°R16	19°31	14°13	27° 5	6°28	11°39	19° 7	7°18	8° 7	7°38	1°27	n.a.	F 7
S 8	20 37 8	7°22'10	11♊38	28°15	20°45	14°51	27°16	6°32	11°38	19° 8	7°17	8° 4	7°35	1°34	n.a.	S 8
S 9	20 41 5	8°20'39	23°40	28° 8	21°59	15°29	27°28	6°37	11°38	19° 9	7°15	7°58	7°31	1°41	n.a.	S 9
M10	20 45 1	9°19'10	5♋35	27°55	23°13	16° 7	27°40	6°42	11°37	19°10	7°14	7°50	7°28	1°47	n.a.	M10
T 11	20 48 58	10°17'43	17°28	27°34	24°28	16°45	27°51	6°46	11°36	19°12	7°13	7°38	7°25	1°54	n.a.	T 11
W12	20 52 54	11°16'18	29°19	27° 7	25°42	17°23	28° 2	6°51	11°35	19°13	7°12	7°25	7°22	2° 1	n.a.	W12
T 13	20 56 51	12°14'56	11♌12	26°33	26°56	18° 1	28°14	6°56	11°34	19°14	7°10	7°10	7°19	2° 7	n.a.	T 13
F 14	21 0 48	13°13'35	23° 6	25°52	28°11	18°39	28°25	7° 1	11°33	19°15	7° 9	6°56	7°16	2°14	n.a.	F 14
S 15	21 4 44	14°12'16	5♍ 4	25° 5	29°25	19°17	28°36	7° 6	11°32	19°16	7° 8	6°43	7°12	2°21	n.a.	S 15
S 16	21 8 41	15°11'00	17° 7	24°12	0♌40	19°55	28°47	7°12	11°31	19°17	7° 7	6°33	7° 9	2°28	n.a.	S 16
M17	21 12 37	16° 9'45	29°17	23°15	1°54	20°32	28°58	7°17	11°30	19°18	7° 5	6°25	7° 6	2°34	n.a.	M17
T 18	21 16 34	17° 8'32	11♎36	22°13	3° 9	21°10	29° 9	7°22	11°29	19°20	7° 4	6°20	7° 3	2°41	n.a.	T 18
W19	21 20 30	18° 7'21	24° 8	21° 9	4°23	21°48	29°20	7°27	11°28	19°21	7° 3	6°18	7° 0	2°48	n.a.	W19
T 20	21 24 27	19° 6'12	6♏56	20° 4	5°38	22°26	29°30	7°33	11°27	19°22	7° 2	6°D18	6°57	2°55	n.a.	T 20
F 21	21 28 23	20° 5'05	20° 4	18°59	6°53	23° 4	29°41	7°38	11°25	19°24	7° 1	6°R18	6°53	3° 1	n.a.	F 21
S 22	21 32 20	21° 4'00	3♐36	17°55	8° 7	23°41	29°52	7°44	11°24	19°25	6°59	6°17	6°50	3° 8	n.a.	S 22
S 23	21 36 16	22° 2'57	17°34	16°56	9°22	24°19	0♋ 2	7°49	11°23	19°26	6°58	6°15	6°47	3°15	n.a.	S 23
M24	21 40 13	23° 1'55	1♑58	16° 1	10°37	24°57	0°13	7°55	11°21	19°28	6°57	6°10	6°44	3°21	n.a.	M24
T 25	21 44 10	24° 0'55	16°46	15°13	11°52	25°35	0°23	8° 1	11°20	19°29	6°56	6° 3	6°41	3°28	n.a.	T 25
W26	21 48 6	24°59'58	1♒52	14°33	13° 6	26°12	0°33	8° 6	11°18	19°31	6°55	5°54	6°37	3°35	n.a.	W26
T 27	21 52 3	25°59'02	17° 7	14° 2	14°21	26°50	0°43	8°12	11°17	19°32	6°53	5°44	6°34	3°42	n.a.	T 27
F 28	21 55 59	26°58'08	2♓20	13°41	15°36	27°28	0°53	8°18	11°15	19°34	6°52	5°34	6°31	3°48	n.a.	F 28
S 29	21 59 56	27°57'17	17°20	13°30	16°51	28° 6	1° 3	8°24	11°14	19°35	6°51	5°25	6°28	3°55	n.a.	S 29
S 30	22 3 52	28°56'27	1♈58	13°D29	18° 6	28°43	1°13	8°30	11°12	19°37	6°50	5°19	6°25	4° 2	n.a.	S 30
M31	22 7 49	29♌55'40	16♈ 8	13♌39	19♌21	29♋21	1♋22	8♎36	11♈11	19♎38	6♒49	5♏15	6♏22	4♌ 8	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n19	4s18	4n19	10n 8	2s56	23n48	0n35	24n24	1n 2	23n51	0n 8	0s12	2n26	4n 7	0s37	5s44	1n59	32s21	14s13	14s29	14s21	15n17		n.a.
S 2	20 6	0n39	3 32	9 49	3 5	23 43	0 37	24 21	1 3	23 51	0 8	0 13	2 26	4 7	0 37	5 44	1 59	32 21	14 13	14 27	14 20	15 15		n.a.
M 3	19 53	5 25	2 34	9 31	3 14	23 37	0 40	24 18	1 3	23 52	0 8	0 15	2 26	4 7	0 37	5 44	1 59	32 22	14 13	14 26	14 19	15 14		n.a.
T 4	19 39	9 44	1 28	9 16	3 23	23 31	0 42	24 15	1 4	23 52	0 8	0 17	2 26	4 6	0 37	5 45	1 59	32 22	14 13	14 25	14 18	15 12		n.a.
W 5	19 25	13 27	0 20	9 2	3 31	23 24	0 44	24 12	1 4	23 52	0 9	0 19	2 25	4 6	0 38	5 45	1 59	32 23	14 13	14 25	14 17	15 11		n.a.
T 6	19 11	16 24	0s47	8 51	3 39	23 16	0 46	24 8	1 4	23 53	0 9	0 21	2 25	4 6	0 38	5 46	1 58	32 23	14 13	14 25	14 16	15 9		n.a.
F 7	18 56	18 31	1 50	8 43	3 46	23 8	0 48	24 4	1 5	23 53	0 9	0 23	2 25	4 6	0 38	5 46	1 58	32 23	14 13	14 25	14 15	15 7		n.a.
S 8	18 41	19 44	2 47	8 37	3 52	22 58	0 50	24 1	1 5	23 54	0 9	0 25	2 25	4 5	0 38	5 46	1 58	32 24	14 13	14 24	14 14	15 6		n.a.
S 9	18 26	20 2	3 36	8 35	3 57	22 49	0 52	23 57	1 5	23 54	0 9	0 27	2 24	4 5	0 38	5 47	1 58	32 24	14 13	14 22	14 13	15 4		n.a.
M10	18 10	19 25	4 14	8 36	4 2	22 38	0 54	23 52	1 6	23 54	0 9	0 29	2 24	4 5	0 38	5 47	1 58	32 25	14 13	14 19	14 12	15 3		n.a.
T 11	17 54	17 58	4 42	8 40	4 5	22 27	0 56	23 48	1 6	23 55	0 9	0 32	2 24	4 4	0 38	5 48	1 58	32 25	14 13	14 15	14 11	15 1		n.a.
W12	17 38	15 45	4 57	8 47	4 6	22 15	0 58	23 43	1 6	23 55	0 9	0 34	2 24	4 4	0 38	5 48	1 58	32 25	14 13	14 11	14 10	15 0		n.a.
T 13	17 22	12 52	4 59	8 59	4 7	22 2	1 0	23 39	1 7	23 55	0 10	0 36	2 24	4 4	0 38	5 49	1 58	32 26	14 13	14 6	14 9	14 58		n.a.
F 14	17 5	9 29	4 48	9 14	4 5	21 49	1 1	23 34	1 7	23 55	0 10	0 38	2 23	4 3	0 38	5 49	1 58	32 26	14 13	14 1	14 8	14 57		n.a.
S 15	16 48	5 41	4 24	9 32	4 2	21 35	1 3	23 29	1 8	23 56	0 10	0 40	2 23	4 3	0 38	5 50	1 58	32 26	14 13	13 57	14 7	14 55		n.a.
S 16	16 30	1 39	3 49	9 55	3 57	21 21	1 5	23 24	1 8	23 56	0 10	0 42	2 23	4 2	0 38	5 50	1 58	32 27	14 13	13 53	14 5	14 53		n.a.
M17	16 13	2s30	3 2	10 20	3 50	21 5	1 6	23 18	1 8	23 56	0 10	0 45	2 23	4 2	0 38	5 51	1 58	32 27	14 13	13 51	14 4	14 52		n.a.
T 18	15 55	6 35	2 7	10 49	3 41	20 49	1 8	23 13	1 9	23 56	0 10	0 47	2 23	4 2	0 38	5 51	1 58	32 27	14 13	13 49	14 3	14 50		n.a.
W19	15 37	10 29	1 4	11 20	3 30	20 33	1 9	23 7	1 9	23 57	0 10	0 49	2 23	4 1	0 38	5 52	1 58	32 28	14 13	13 48	14 2	14 49		n.a.
T 20	15 18	13 58	0n 3	11 53	3 17	20 16	1 11	23 1	1 9	23 57	0 10	0 52	2 22	4 1	0 38	5 52	1 58	32 28	14 13	13 48	14 1	14 47		n.a.
F 21	14 59	16 51	1 12	12 27	3 3	19 58	1 12	22 55	1 10	23 57	0 11	0 54	2 22	4 0	0 38	5 53	1 58	32 28	14 13	13 48	14 0	14 46		n.a.
S 22	14 40	18 53	2 19	13 2	2 46	19 40	1 13	22 49	1 10	23 57	0 11	0 56	2 22	3 59	0 38	5 54	1 57	32 28	14 13	13 48	13 59	14 44		n.a.
S 23	14 21	19 52	3 20	13 37	2 29	19 21	1 15	22 42	1 10	23 57	0 11	0 59	2 22	3 59	0 38	5 54	1 57	32 29	14 13	13 47	13 58	14 42		n.a.
M24	14 2	19 35	4 10	14 11	2 10	19 2	1 16	22 36	1 11	23 57	0 11	1 1	2 22	3 58	0 38	5 55	1 57	32 29	14 13	13 46	13 57	14 41		n.a.
T 25	13 42	17 59	4 45	14 44	1 51	18 42	1 17	22 29	1 11	23 57	0 11	1 4	2 21	3 58	0 38	5 55	1 57	32 29	14 13	13 43	13 56	14 39		n.a.
W26	13 22	15 8	5 1	15 15	1 31	18 22	1 18	22 22	1 11	23 58	0 11	1 6	2 21	3 57	0 38	5 56	1 57	32 30	14 13	13 40	13 55	14 38		n.a.
T 27	13 2	11 13	4 56	15 43	1 11	18 1	1 19	22 15	1 12	23 58	0 11	1 8	2 21	3 57	0 38	5 57	1 57	32 30	14 13	13 37	13 54	14 36		n.a.
F 28	12 42	6 35	4 30	16 8	0 51	17 39	1 20	22 8	1 12	23 58	0 12	1 11	2 21	3 56	0 38	5 57	1 57	32 30	14 13	13 34	13 53	14 34		n.a.
S 29	12 21	1 37	3 46	16 29	0 32	17 17	1 21	22 1	1 12	23 58	0 12	1 13	2 21	3 55	0 38	5 58	1 57	32 30	14 13	13 31	13 52	14 33		n.a.
S 30	12 0	3n20	2 47	16 47	0 14	16 54	1 21	21 53	1 13	23 58	0 12	1 16	2 21	3 55	0 38	5 58	1 57	32 31	14 13	13 29	13 51	14 31		n.a.
M31	11n39	7n58	1n40	17n 1	0n 4	16n31	1n22	21n46	1n13	23n58	0n12	1s18	2n21	3n54	0s38	5s59	1n57	32s31	14s12	13s27	13s50	14n30		n.a.

Julian Day Number = 1477648.5, Delta T = 05h25m28s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'28, Lahiri = -13°10'28 Julian Calendar 1 Aug. 668 BCE == Greg. Calendar 25 July 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

SEPTEMBER 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 11 45	0♍54'56	29♈49	13♌59	20♌36	29♋59	1♋32	8♎42	11°R 9	19♎40	6°R48	5°D13	6♏18	4♌15	n.a.	T 1
W 2	22 15 42	1°54'14	13♉ 2	14°29	21°51	0♌36	1°41	8°48	11♈ 7	19°42	6♒47	5♏13	6°15	4°22	n.a.	W 2
T 3	22 19 39	2°53'34	25°50	15° 9	23° 6	1°14	1°51	8°54	11° 5	19°43	6°45	5°14	6°12	4°29	n.a.	T 3
F 4	22 23 35	3°52'57	8♊17	15°57	24°21	1°52	2° 0	9° 0	11° 4	19°45	6°44	5°R14	6° 9	4°35	n.a.	F 4
S 5	22 27 32	4°52'22	20°28	16°52	25°36	2°29	2° 9	9° 6	11° 2	19°47	6°43	5°13	6° 6	4°42	n.a.	S 5
S 6	22 31 28	5°51'50	2♋28	17°56	26°51	3° 7	2°18	9°12	11° 0	19°48	6°42	5° 9	6° 2	4°49	n.a.	S 6
M 7	22 35 25	6°51'20	14°21	19° 5	28° 6	3°44	2°27	9°19	10°58	19°50	6°41	5° 3	5°59	4°56	n.a.	M 7
T 8	22 39 21	7°50'53	26°13	20°21	29°22	4°22	2°36	9°25	10°56	19°52	6°40	4°55	5°56	5° 2	n.a.	T 8
W 9	22 43 18	8°50'28	8♌ 4	21°41	0♍37	5° 0	2°44	9°31	10°54	19°54	6°39	4°45	5°53	5° 9	n.a.	W 9
T 10	22 47 14	9°50'05	19°59	23° 5	1°52	5°37	2°53	9°38	10°52	19°56	6°38	4°34	5°50	5°16	n.a.	T 10
F 11	22 51 11	10°49'44	2♍ 0	24°33	3° 7	6°15	3° 1	9°44	10°50	19°57	6°37	4°23	5°47	5°22	n.a.	F 11
S 12	22 55 7	11°49'25	14° 6	26° 5	4°23	6°52	3°10	9°51	10°48	19°59	6°36	4°14	5°43	5°29	n.a.	S 12
S 13	22 59 4	12°49'09	26°20	27°38	5°38	7°30	3°18	9°57	10°46	20° 1	6°35	4° 6	5°40	5°36	n.a.	S 13
M14	23 3 1	13°48'54	8♎43	29°14	6°53	8° 7	3°26	10° 4	10°44	20° 3	6°34	4° 0	5°37	5°43	n.a.	M14
T 15	23 6 57	14°48'42	21°15	0♍51	8° 8	8°45	3°34	10°10	10°41	20° 5	6°33	3°57	5°34	5°49	n.a.	T 15
W16	23 10 54	15°48'31	3♏59	2°30	9°24	9°22	3°42	10°17	10°39	20° 7	6°32	3°D56	5°31	5°56	n.a.	W16
T 17	23 14 50	16°48'23	16°56	4°10	10°39	10° 0	3°49	10°24	10°37	20° 9	6°31	3°57	5°28	6° 3	n.a.	T 17
F 18	23 18 47	17°48'16	0♐ 8	5°50	11°54	10°37	3°57	10°30	10°35	20°11	6°30	3°58	5°24	6°10	n.a.	F 18
S 19	23 22 43	18°48'11	13°39	7°31	13°10	11°15	4° 4	10°37	10°33	20°13	6°30	3°R59	5°21	6°16	n.a.	S 19
S 20	23 26 40	19°48'08	27°29	9°13	14°25	11°52	4°11	10°44	10°30	20°15	6°29	3°59	5°18	6°23	n.a.	S 20
M21	23 30 36	20°48'06	11♑39	10°54	15°41	12°30	4°18	10°51	10°28	20°17	6°28	3°57	5°15	6°30	n.a.	M21
T 22	23 34 33	21°48'07	26° 8	12°35	16°56	13° 7	4°25	10°57	10°26	20°19	6°27	3°53	5°12	6°36	n.a.	T 22
W23	23 38 30	22°48'09	10♒52	14°17	18°11	13°44	4°32	11° 4	10°23	20°21	6°26	3°48	5° 8	6°43	n.a.	W23
T 24	23 42 26	23°48'12	25°45	15°58	19°27	14°22	4°39	11°11	10°21	20°23	6°25	3°42	5° 5	6°50	n.a.	T 24
F 25	23 46 23	24°48'18	10♓39	17°39	20°42	14°59	4°45	11°18	10°19	20°25	6°25	3°36	5° 2	6°57	n.a.	F 25
S 26	23 50 19	25°48'25	25°24	19°20	21°58	15°36	4°51	11°25	10°16	20°27	6°24	3°31	4°59	7° 3	n.a.	S 26
S 27	23 54 16	26°48'34	9♈55	21° 0	23°13	16°14	4°58	11°32	10°14	20°29	6°23	3°27	4°56	7°10	n.a.	S 27
M28	23 58 12	27°48'46	24° 3	22°40	24°28	16°51	5° 4	11°38	10°11	20°31	6°22	3°25	4°53	7°17	n.a.	M28
T 29	0 2 9	28°48'59	7♉46	24°20	25°44	17°28	5° 9	11°45	10° 9	20°33	6°22	3°D25	4°49	7°23	n.a.	T 29
W30	0 6 5	29♍49'15	21♉ 4	25♍59	26♍59	18♌ 6	5♋15	11♎52	10♈ 7	20♎35	6♒21	3♏26	4♏46	7♌30	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n18	12n 1	0n29	17n11	0n20	16n 8	1n23	21n38	1n13	23n58	0n12	1s21	2n20	3n53	0s38	6s 0	1n57	32s31	14s12	13s27	13s49	14n28		n.a.
W 2	10 57	15 19	0s42	17 16	0 35	15 44	1 23	21 30	1 14	23 58	0 12	1 23	2 20	3 53	0 38	6 0	1 57	32 31	14 12	13 27	13 47	14 26		n.a.
T 3	10 35	17 44	1 48	17 18	0 49	15 20	1 24	21 22	1 14	23 58	0 12	1 26	2 20	3 52	0 38	6 1	1 57	32 31	14 12	13 27	13 46	14 25		n.a.
F 4	10 13	19 15	2 47	17 15	1 1	14 55	1 24	21 14	1 14	23 58	0 13	1 29	2 20	3 51	0 38	6 2	1 57	32 32	14 12	13 27	13 45	14 23		n.a.
S 5	9 51	19 49	3 37	17 9	1 12	14 29	1 25	21 5	1 15	23 58	0 13	1 31	2 20	3 50	0 38	6 3	1 57	32 32	14 12	13 26	13 44	14 22		n.a.
S 6	9 29	19 28	4 17	16 58	1 22	14 4	1 25	20 57	1 15	23 58	0 13	1 34	2 20	3 50	0 38	6 3	1 57	32 32	14 12	13 25	13 43	14 20		n.a.
M 7	9 7	18 16	4 45	16 44	1 31	13 38	1 25	20 48	1 15	23 58	0 13	1 36	2 20	3 49	0 38	6 4	1 57	32 32	14 12	13 23	13 42	14 18		n.a.
T 8	8 45	16 16	5 1	16 27	1 38	13 11	1 26	20 40	1 16	23 58	0 13	1 39	2 19	3 48	0 38	6 5	1 57	32 32	14 11	13 20	13 41	14 17		n.a.
W 9	8 22	13 36	5 4	16 7	1 44	12 45	1 26	20 31	1 16	23 58	0 13	1 42	2 19	3 47	0 38	6 5	1 57	32 32	14 11	13 17	13 40	14 15		n.a.
T 10	7 59	10 23	4 54	15 43	1 49	12 17	1 26	20 22	1 16	23 58	0 13	1 44	2 19	3 46	0 38	6 6	1 57	32 32	14 11	13 13	13 39	14 14		n.a.
F 11	7 36	6 42	4 31	15 17	1 53	11 50	1 26	20 12	1 17	23 58	0 14	1 47	2 19	3 46	0 38	6 7	1 56	32 33	14 11	13 10	13 38	14 12		n.a.
S 12	7 13	2 44	3 55	14 49	1 56	11 22	1 26	20 3	1 17	23 58	0 14	1 50	2 19	3 45	0 38	6 8	1 56	32 33	14 11	13 6	13 37	14 10		n.a.
S 13	6 50	1s23	3 8	14 18	1 58	10 54	1 26	19 54	1 17	23 58	0 14	1 52	2 19	3 44	0 38	6 8	1 56	32 33	14 11	13 4	13 36	14 9		n.a.
M14	6 27	5 31	2 12	13 45	1 59	10 26	1 25	19 44	1 18	23 58	0 14	1 55	2 19	3 43	0 38	6 9	1 56	32 33	14 10	13 2	13 35	14 7		n.a.
T 15	6 4	9 27	1 8	13 10	1 59	9 57	1 25	19 34	1 18	23 58	0 14	1 58	2 19	3 42	0 38	6 10	1 56	32 33	14 10	13 1	13 34	14 6		n.a.
W16	5 40	13 1	0n 0	12 34	1 58	9 28	1 25	19 25	1 18	23 58	0 14	2 0	2 19	3 41	0 38	6 11	1 56	32 33	14 10	13 0	13 33	14 4		n.a.
T 17	5 17	16 1	1 10	11 56	1 57	8 59	1 24	19 15	1 18	23 58	0 14	2 3	2 18	3 40	0 38	6 11	1 56	32 33	14 10	13 1	13 31	14 2		n.a.
F 18	4 53	18 14	2 17	11 17	1 56	8 29	1 24	19 5	1 19	23 57	0 15	2 6	2 18	3 40	0 38	6 12	1 56	32 33	14 10	13 1	13 30	14 1		n.a.
S 19	4 29	19 29	3 18	10 37	1 53	7 59	1 24	18 55	1 19	23 57	0 15	2 9	2 18	3 39	0 38	6 13	1 56	32 33	14 10	13 1	13 29	13 59		n.a.
S 20	4 6	19 36	4 9	9 56	1 50	7 29	1 23	18 44	1 19	23 57	0 15	2 11	2 18	3 38	0 38	6 14	1 56	32 33	14 9	13 1	13 28	13 57		n.a.
M21	3 42	18 30	4 47	9 14	1 47	6 59	1 22	18 34	1 20	23 57	0 15	2 14	2 18	3 37	0 38	6 15	1 56	32 33	14 9	13 1	13 27	13 56		n.a.
T 22	3 18	16 12	5 7	8 31	1 43	6 29	1 22	18 23	1 20	23 57	0 15	2 17	2 18	3 36	0 38	6 15	1 56	32 33	14 9	12 59	13 26	13 54		n.a.
W23	2 54	12 50	5 7	7 48	1 39	5 58	1 21	18 13	1 20	23 57	0 15	2 20	2 18	3 35	0 38	6 16	1 56	32 33	14 9	12 58	13 25	13 52		n.a.
T 24	2 30	8 37	4 47	7 4	1 35	5 27	1 20	18 2	1 21	23 57	0 16	2 22	2 18	3 34	0 38	6 17	1 56	32 33	14 8	12 55	13 24	13 51		n.a.
F 25	2 6	3 52	4 8	6 20	1 30	4 57	1 19	17 51	1 21	23 57	0 16	2 25	2 18	3 33	0 38	6 18	1 56	32 33	14 8	12 53	13 23	13 49		n.a.
S 26	1 41	1n 5	3 12	5 35	1 25	4 26	1 18	17 40	1 21	23 57	0 16	2 28	2 18	3 32	0 38	6 19	1 56	32 33	14 8	12 52	13 22	13 48		n.a.
S 27	1 17	5 53	2 4	4 50	1 20	3 54	1 17	17 29	1 21	23 57	0 16	2 31	2 18	3 31	0 38	6 19	1 56	32 33	14 8	12 50	13 21	13 46		n.a.
M28	0 53	10 15	0 51	4 5	1 14	3 23	1 16	17 18	1 22	23 57	0 16	2 34	2 18	3 30	0 38	6 20	1 56	32 33	14 8	12 50	13 20	13 44		n.a.
T 29	0 29	13 55	0s24	3 20	1 9	2 52	1 15	17 7	1 22	23 57	0 16	2 36	2 18	3 29	0 38	6 21	1 56	32 33	14 7	12 49	13 19	13 43		n.a.
W30	0n 4	16n45	1s35	2n35	1n 3	2n20	1n14	16n55	1n22	23n57	0n17	2s39	2n17	3n28	0s38	6s22	1n56	32s33	14s 7	12s50	13s17	13n41		n.a.

Julian Day Number = 1477679.5, Delta T = 05h25m27s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'24, Lahiri = -13°10'23 Julian Calendar 1 Sept. 668 BCE == Greg. Calendar 25 Aug. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

OCTOBER 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 10 2	0♎49'32	3♊57	27♍38	28♍15	18♌43	5♋21	11♎59	10°R 4	20♎38	6°R20	3♏27	4♏43	7♌37	n.a.	T 1
F 2	0 13 58	1°49'52	16°29	29°16	29°30	19°20	5°26	12° 6	10♈ 2	20°40	6♒20	3°29	4°40	7°44	n.a.	F 2
S 3	0 17 55	2°50'14	28°43	0♎55	0♎46	19°57	5°31	12°13	9°59	20°42	6°19	3°R30	4°37	7°50	n.a.	S 3
S 4	0 21 52	3°50'38	10♋45	2°32	2° 1	20°35	5°36	12°20	9°57	20°44	6°19	3°30	4°34	7°57	n.a.	S 4
M 5	0 25 48	4°51'04	22°40	4°10	3°17	21°12	5°41	12°27	9°54	20°46	6°18	3°28	4°30	8° 4	n.a.	M 5
T 6	0 29 45	5°51'32	4♌32	5°46	4°32	21°49	5°46	12°34	9°52	20°48	6°18	3°25	4°27	8°11	n.a.	T 6
W 7	0 33 41	6°52'02	16°25	7°23	5°48	22°26	5°50	12°41	9°49	20°51	6°17	3°22	4°24	8°17	n.a.	W 7
T 8	0 37 38	7°52'34	28°23	8°59	7° 4	23° 4	5°55	12°48	9°47	20°53	6°17	3°17	4°21	8°24	n.a.	T 8
F 9	0 41 34	8°53'08	10♍28	10°35	8°19	23°41	5°59	12°55	9°44	20°55	6°16	3°13	4°18	8°31	n.a.	F 9
S 10	0 45 31	9°53'44	22°44	12°11	9°35	24°18	6° 3	13° 2	9°42	20°57	6°16	3° 9	4°14	8°37	n.a.	S 10
S 11	0 49 27	10°54'21	5♎12	13°46	10°50	24°55	6° 7	13° 9	9°39	21° 0	6°15	3° 6	4°11	8°44	n.a.	S 11
M12	0 53 24	11°55'00	17°51	15°21	12° 6	25°32	6°10	13°16	9°37	21° 2	6°15	3° 4	4° 8	8°51	n.a.	M12
T 13	0 57 21	12°55'41	0♏44	16°55	13°21	26° 9	6°14	13°24	9°34	21° 4	6°14	3°D 3	4° 5	8°58	n.a.	T 13
W14	1 1 17	13°56'23	13°49	18°30	14°37	26°46	6°17	13°31	9°32	21° 6	6°14	3° 3	4° 2	9° 4	n.a.	W14
T 15	1 5 14	14°57'06	27° 6	20° 4	15°52	27°23	6°20	13°38	9°29	21° 9	6°14	3° 4	3°59	9°11	n.a.	T 15
F 16	1 9 10	15°57'51	10♐36	21°38	17° 8	28° 0	6°23	13°45	9°27	21°11	6°13	3° 6	3°55	9°18	n.a.	F 16
S 17	1 13 7	16°58'37	24°18	23°11	18°24	28°37	6°26	13°52	9°24	21°13	6°13	3° 7	3°52	9°25	n.a.	S 17
S 18	1 17 3	17°59'25	8♑11	24°45	19°39	29°14	6°29	13°59	9°22	21°15	6°13	3° 8	3°49	9°31	n.a.	S 18
M19	1 21 0	19° 0'13	22°16	26°18	20°55	29°51	6°31	14° 6	9°19	21°18	6°13	3°R 8	3°46	9°38	n.a.	M19
T 20	1 24 56	20° 1'03	6♒30	27°51	22°10	0♍28	6°33	14°13	9°17	21°20	6°12	3° 7	3°43	9°45	n.a.	T 20
W21	1 28 53	21° 1'53	20°52	29°24	23°26	1° 5	6°35	14°20	9°15	21°22	6°12	3° 6	3°39	9°51	n.a.	W21
T 22	1 32 50	22° 2'45	5♓17	0♏57	24°41	1°42	6°37	14°27	9°12	21°24	6°12	3° 5	3°36	9°58	n.a.	T 22
F 23	1 36 46	23° 3'38	19°41	2°30	25°57	2°19	6°38	14°34	9°10	21°27	6°12	3° 4	3°33	10° 5	n.a.	F 23
S 24	1 40 43	24° 4'31	4♈ 0	4° 2	27°12	2°56	6°40	14°41	9° 7	21°29	6°12	3° 2	3°30	10°12	n.a.	S 24
S 25	1 44 39	25° 5'26	18° 7	5°34	28°28	3°33	6°41	14°48	9° 5	21°31	6°12	3° 2	3°27	10°18	n.a.	S 25
M26	1 48 36	26° 6'22	2♉ 0	7° 7	29°43	4°10	6°42	14°55	9° 3	21°33	6°12	3°D 2	3°24	10°25	n.a.	M26
T 27	1 52 32	27° 7'20	15°34	8°39	0♏59	4°46	6°43	15° 2	9° 0	21°36	6°12	3° 2	3°20	10°32	n.a.	T 27
W28	1 56 29	28° 8'18	28°47	10°10	2°14	5°23	6°43	15° 9	8°58	21°38	6°D12	3° 2	3°17	10°38	n.a.	W28
T 29	2 0 25	29° 9'18	11♊40	11°42	3°30	6° 0	6°44	15°16	8°56	21°40	6°12	3° 3	3°14	10°45	n.a.	T 29
F 30	2 4 22	0♏10'19	24°15	13°14	4°45	6°37	6°44	15°23	8°53	21°42	6°12	3° 3	3°11	10°52	n.a.	F 30
S 31	2 8 19	1♏11'22	6♋32	14♏45	6♏ 1	7♍14	6°R44	15♎30	8♈51	21♎45	6♒12	3♏ 3	3♏ 8	10♌59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s20	18n38	2s39	1n49	0n57	1n49	1n13	16n44	1n23	23n57	0n17	2s42	2n17	3n27	0s38	6s23	1n56	32s33	14s 7	12s50	13s16	13n39			n.a.
F 2	0 44	19 32	3 34	1 4	0 51	1 17	1 11	16 32	1 23	23 57	0 17	2 45	2 17	3 26	0 38	6 24	1 56	32 33	14 7	12 51	13 15	13 38			n.a.
S 3	1 9	19 29	4 18	0 19	0 45	0 46	1 10	16 21	1 23	23 56	0 17	2 48	2 17	3 25	0 38	6 24	1 56	32 33	14 6	12 51	13 14	13 36			n.a.
S 4	1 33	18 32	4 49	0s26	0 38	0 14	1 9	16 9	1 23	23 56	0 17	2 50	2 17	3 24	0 38	6 25	1 56	32 33	14 6	12 51	13 13	13 34			n.a.
M 5	1 57	16 47	5 8	1 11	0 32	0s18	1 7	15 57	1 24	23 56	0 17	2 53	2 17	3 23	0 38	6 26	1 56	32 33	14 6	12 51	13 12	13 33			n.a.
T 6	2 22	14 20	5 13	1 56	0 26	0 50	1 6	15 45	1 24	23 56	0 18	2 56	2 17	3 22	0 38	6 27	1 56	32 33	14 6	12 50	13 11	13 31			n.a.
W 7	2 46	11 17	5 5	2 41	0 19	1 21	1 4	15 33	1 24	23 56	0 18	2 59	2 17	3 21	0 38	6 28	1 56	32 33	14 5	12 48	13 10	13 29			n.a.
T 8	3 10	7 46	4 44	3 25	0 12	1 53	1 2	15 21	1 25	23 56	0 18	3 2	2 17	3 20	0 38	6 29	1 56	32 32	14 5	12 47	13 9	13 28			n.a.
F 9	3 34	3 54	4 10	4 9	0 6	2 25	1 1	15 9	1 25	23 56	0 18	3 4	2 17	3 19	0 38	6 30	1 56	32 32	14 5	12 45	13 8	13 26			n.a.
S 10	3 58	0s12	3 24	4 53	0s 1	2 56	0 59	14 56	1 25	23 56	0 18	3 7	2 17	3 19	0 38	6 30	1 56	32 32	14 4	12 44	13 7	13 24			n.a.
S 11	4 22	4 21	2 27	5 37	0 7	3 28	0 57	14 44	1 25	23 56	0 19	3 10	2 17	3 18	0 38	6 31	1 56	32 32	14 4	12 43	13 6	13 23			n.a.
M12	4 46	8 22	1 23	6 20	0 14	4 0	0 56	14 32	1 26	23 56	0 19	3 13	2 17	3 17	0 38	6 32	1 56	32 32	14 4	12 42	13 4	13 21			n.a.
T 13	5 10	12 5	0 13	7 3	0 20	4 31	0 54	14 19	1 26	23 56	0 19	3 16	2 17	3 16	0 38	6 33	1 56	32 32	14 4	12 42	13 3	13 19			n.a.
W14	5 34	15 16	0n59	7 45	0 27	5 2	0 52	14 7	1 26	23 56	0 19	3 18	2 17	3 15	0 38	6 34	1 56	32 32	14 3	12 42	13 2	13 18			n.a.
T 15	5 58	17 42	2 9	8 28	0 33	5 34	0 50	13 54	1 26	23 56	0 19	3 21	2 17	3 14	0 38	6 35	1 56	32 31	14 3	12 42	13 1	13 16			n.a.
F 16	6 22	19 10	3 13	9 9	0 39	6 5	0 48	13 41	1 27	23 56	0 19	3 24	2 17	3 13	0 38	6 35	1 56	32 31	14 3	12 43	13 0	13 14			n.a.
S 17	6 46	19 32	4 7	9 50	0 46	6 36	0 46	13 28	1 27	23 56	0 20	3 27	2 17	3 12	0 38	6 36	1 56	32 31	14 2	12 43	12 59	13 13			n.a.
S 18	7 9	18 45	4 47	10 31	0 52	7 7	0 44	13 15	1 27	23 57	0 20	3 29	2 17	3 11	0 38	6 37	1 56	32 31	14 2	12 44	12 58	13 11			n.a.
M19	7 33	16 48	5 11	11 11	0 58	7 37	0 42	13 2	1 27	23 57	0 20	3 32	2 17	3 10	0 38	6 38	1 56	32 31	14 2	12 44	12 57	13 9			n.a.
T 20	7 56	13 49	5 16	11 51	1 4	8 8	0 40	12 49	1 28	23 57	0 20	3 35	2 17	3 9	0 38	6 39	1 56	32 30	14 2	12 44	12 56	13 8			n.a.
W21	8 19	9 59	5 1	12 30	1 10	8 38	0 38	12 36	1 28	23 57	0 20	3 38	2 17	3 8	0 38	6 40	1 56	32 30	14 1	12 43	12 55	13 6			n.a.
T 22	8 42	5 33	4 28	13 9	1 16	9 8	0 36	12 23	1 28	23 57	0 21	3 40	2 17	3 7	0 38	6 41	1 56	32 30	14 1	12 43	12 54	13 4			n.a.
F 23	9 5	0 49	3 38	13 46	1 21	9 38	0 34	12 10	1 28	23 57	0 21	3 43	2 17	3 6	0 38	6 41	1 56	32 30	14 1	12 42	12 52	13 3			n.a.
S 24	9 28	3n58	2 34	14 24	1 27	10 8	0 32	11 57	1 29	23 57	0 21	3 46	2 17	3 5	0 38	6 42	1 56	32 29	14 0	12 42	12 51	13 1			n.a.
S 25	9 51	8 28	1 22	15 0	1 32	10 37	0 29	11 43	1 29	23 57	0 21	3 49	2 17	3 4	0 38	6 43	1 56	32 29	14 0	12 42	12 50	12 59			n.a.
M26	10 13	12 25	0 6	15 36	1 37	11 6	0 27	11 30	1 29	23 57	0 21	3 51	2 17	3 3	0 38	6 44	1 56	32 29	14 0	12 42	12 49	12 57			n.a.
T 27	10 35	15 38	1s 9	16 11	1 42	11 35	0 25	11 17	1 29	23 58	0 22	3 54	2 17	3 2	0 38	6 45	1 56	32 29	14 0	12 42	12 48	12 56			n.a.
W28	10 58	17 55	2 18	16 45	1 46	12 4	0 23	11 3	1 30	23 58	0 22	3 57	2 17	3 1	0 38	6 46	1 56	32 28	13 59	12 42	12 47	12 54			n.a.
T 29	11 20	19 13	3 18	17 19	1 51	12 32	0 20	10 50	1 30	23 58	0 22	3 59	2 17	3 0	0 38	6 47	1 56	32 28	13 59	12 42	12 46	12 52			n.a.
F 30	11 41	19 31	4 8	17 51	1 55	13 0	0 18	10 36	1 30	23 58	0 22	4 2	2 17	2 59	0 38	6 47	1 56	32 28	13 59	12 42	12 45	12 51			n.a.
S 31	12s 3	18n53	4s44	18s23	1s59	13s28	0n16	10n22	1n30	23n58	0n22	4s 5	2n17	2n59	0s38	6s48	1n56	32s27	13s58	12s42	12s44	12n49			n.a.

Julian Day Number = 1477709.5, Delta T = 05h25m25s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'20, Lahiri = -13°10'19 Julian Calendar 1 Oct. 668 BCE == Greg. Calendar 24 Sept. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

NOVEMBER 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 12 15	2♏12'25	18♋37	16♏16	7♏16	7♍50	6°R44	15♎36	8°R49	21♎47	6♒12	3♏ 3	3♏ 5	11♌ 5	n.a.	S 1
M 2	2 16 12	3°13'30	0♌34	17°46	8°32	8°27	6♋44	15°43	8♈47	21°49	6°12	3° 3	3° 1	11°12	n.a.	M 2
T 3	2 20 8	4°14'36	12°26	19°17	9°47	9° 4	6°43	15°50	8°45	21°51	6°12	3° 3	2°58	11°19	n.a.	T 3
W 4	2 24 5	5°15'44	24°19	20°46	11° 3	9°40	6°42	15°57	8°42	21°53	6°12	3° 3	2°55	11°26	n.a.	W 4
T 5	2 28 1	6°16'52	6♍18	22°16	12°18	10°17	6°41	16° 4	8°40	21°56	6°13	3° 4	2°52	11°32	n.a.	T 5
F 6	2 31 58	7°18'01	18°27	23°45	13°34	10°53	6°40	16°10	8°38	21°58	6°13	3° 4	2°49	11°39	n.a.	F 6
S 7	2 35 54	8°19'11	0♎48	25°13	14°49	11°30	6°39	16°17	8°36	22° 0	6°13	3° 5	2°45	11°46	n.a.	S 7
S 8	2 39 51	9°20'23	13°26	26°40	16° 5	12° 6	6°37	16°24	8°34	22° 2	6°13	3° 5	2°42	11°52	n.a.	S 8
M 9	2 43 48	10°21'35	26°21	28° 6	17°20	12°43	6°36	16°31	8°32	22° 4	6°14	3° 6	2°39	11°59	n.a.	M 9
T 10	2 47 44	11°22'48	9♏34	29°31	18°36	13°19	6°34	16°37	8°30	22° 7	6°14	3°R 6	2°36	12° 6	n.a.	T 10
W11	2 51 41	12°24'01	23° 5	0♐55	19°51	13°56	6°31	16°44	8°28	22° 9	6°14	3° 5	2°33	12°13	n.a.	W11
T 12	2 55 37	13°25'15	6♐50	2°17	21° 7	14°32	6°29	16°50	8°26	22°11	6°15	3° 4	2°30	12°19	n.a.	T 12
F 13	2 59 34	14°26'30	20°48	3°37	22°22	15° 9	6°27	16°57	8°24	22°13	6°15	3° 3	2°26	12°26	n.a.	F 13
S 14	3 3 30	15°27'45	4♑54	4°54	23°38	15°45	6°24	17° 3	8°22	22°15	6°15	3° 1	2°23	12°33	n.a.	S 14
S 15	3 7 27	16°29'00	19° 5	6° 9	24°53	16°21	6°21	17°10	8°20	22°17	6°16	3° 0	2°20	12°39	n.a.	S 15
M16	3 11 23	17°30'16	3♒19	7°21	26° 8	16°57	6°18	17°16	8°19	22°19	6°16	2°59	2°17	12°46	n.a.	M16
T 17	3 15 20	18°31'31	17°31	8°29	27°24	17°34	6°15	17°23	8°17	22°21	6°17	2°D58	2°14	12°53	n.a.	T 17
W18	3 19 17	19°32'46	1♓40	9°33	28°39	18°10	6°11	17°29	8°15	22°23	6°17	2°59	2°10	13° 0	n.a.	W18
T 19	3 23 13	20°34'02	15°44	10°32	29°55	18°46	6° 7	17°35	8°14	22°26	6°18	2°59	2° 7	13° 6	n.a.	T 19
F 20	3 27 10	21°35'17	29°40	11°26	1♗10	19°22	6° 4	17°42	8°12	22°28	6°19	3° 1	2° 4	13°13	n.a.	F 20
S 21	3 31 6	22°36'32	13♈29	12°13	2°25	19°58	5°59	17°48	8°10	22°30	6°19	3° 2	2° 1	13°20	n.a.	S 21
S 22	3 35 3	23°37'47	27° 8	12°52	3°41	20°34	5°55	17°54	8° 9	22°32	6°20	3°R 3	1°58	13°27	n.a.	S 22
M23	3 38 59	24°39'03	10♉34	13°24	4°56	21°10	5°51	18° 0	8° 7	22°34	6°20	3° 3	1°55	13°33	n.a.	M23
T 24	3 42 56	25°40'18	23°48	13°46	6°11	21°46	5°46	18° 6	8° 6	22°36	6°21	3° 2	1°51	13°40	n.a.	T 24
W25	3 46 52	26°41'34	6♊48	13°58	7°27	22°22	5°42	18°12	8° 4	22°38	6°22	2°59	1°48	13°47	n.a.	W25
T 26	3 50 49	27°42'50	19°33	14°R 0	8°42	22°58	5°37	18°18	8° 3	22°39	6°22	2°56	1°45	13°53	n.a.	T 26
F 27	3 54 46	28°44'05	2♋ 3	13°50	9°57	23°34	5°32	18°24	8° 2	22°41	6°23	2°51	1°42	14° 0	n.a.	F 27
S 28	3 58 42	29°45'21	14°19	13°28	11°13	24°10	5°27	18°30	8° 0	22°43	6°24	2°46	1°39	14° 7	n.a.	S 28
S 29	4 2 39	0♐46'37	26°24	12°55	12°28	24°45	5°21	18°36	7°59	22°45	6°25	2°42	1°36	14°14	n.a.	S 29
M30	4 6 35	1♐47'53	8♌21	12♐10	13♐43	25♍21	5♋16	18♎42	7♈58	22♎47	6♒26	2♏38	1♏32	14♌20	n.a.	M30

Day	☉		☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s24		17n23	5s 7	18s53	2s 3	13s55	0n13	10n 9	1n31	23n58	0n23	4s 7	2n17	2n58	0s38	6s49	1n56	32s27	13s58	12s42	12s43	12n47		n.a.
M 2	12 46		15 9	5 17	19 23	2 6	14 22	0 11	9 55	1 31	23 59	0 23	4 10	2 17	2 57	0 38	6 50	1 56	32 27	13 58	12 42	12 41	12 46		n.a.
T 3	13 7		12 18	5 13	19 51	2 9	14 49	0 9	9 41	1 31	23 59	0 23	4 12	2 17	2 56	0 38	6 51	1 56	32 26	13 57	12 42	12 40	12 44		n.a.
W 4	13 27		8 57	4 56	20 18	2 12	15 15	0 6	9 27	1 31	23 59	0 23	4 15	2 17	2 55	0 38	6 52	1 56	32 26	13 57	12 42	12 39	12 42		n.a.
T 5	13 48		5 13	4 26	20 45	2 14	15 41	0 4	9 14	1 32	23 59	0 23	4 18	2 17	2 54	0 38	6 52	1 56	32 26	13 57	12 42	12 38	12 40		n.a.
F 6	14 8		1 13	3 43	21 9	2 16	16 7	0 1	9 0	1 32	24 0	0 24	4 20	2 18	2 53	0 38	6 53	1 56	32 25	13 56	12 42	12 37	12 39		n.a.
S 7	14 28		2s55	2 50	21 33	2 17	16 32	0s 1	8 46	1 32	24 0	0 24	4 23	2 18	2 53	0 38	6 54	1 56	32 25	13 56	12 43	12 36	12 37		n.a.
S 8	14 48		7 1	1 47	21 55	2 18	16 56	0 3	8 32	1 32	24 0	0 24	4 25	2 18	2 52	0 38	6 55	1 56	32 25	13 56	12 43	12 35	12 35		n.a.
M 9	15 8		10 53	0 37	22 15	2 18	17 20	0 6	8 18	1 32	24 1	0 24	4 28	2 18	2 51	0 38	6 56	1 56	32 24	13 56	12 43	12 34	12 34		n.a.
T 10	15 27		14 19	0n36	22 34	2 18	17 44	0 8	8 4	1 33	24 1	0 24	4 30	2 18	2 50	0 38	6 56	1 56	32 24	13 55	12 43	12 33	12 32		n.a.
W11	15 46		17 3	1 49	22 52	2 17	18 7	0 11	7 50	1 33	24 1	0 25	4 33	2 18	2 50	0 38	6 57	1 56	32 23	13 55	12 43	12 32	12 30		n.a.
T 12	16 5		18 52	2 56	23 7	2 16	18 30	0 13	7 36	1 33	24 1	0 25	4 35	2 18	2 49	0 38	6 58	1 56	32 23	13 55	12 42	12 30	12 28		n.a.
F 13	16 24		19 33	3 54	23 21	2 14	18 52	0 15	7 22	1 33	24 2	0 25	4 38	2 18	2 48	0 38	6 59	1 56	32 23	13 54	12 42	12 29	12 27		n.a.
S 14	16 42		19 2	4 39	23 33	2 11	19 14	0 18	7 8	1 34	24 2	0 25	4 40	2 18	2 47	0 38	7 0	1 56	32 22	13 54	12 41	12 28	12 25		n.a.
S 15	17 0		17 20	5 7	23 43	2 7	19 35	0 20	6 54	1 34	24 2	0 25	4 43	2 18	2 47	0 38	7 0	1 56	32 22	13 54	12 41	12 27	12 23		n.a.
M16	17 17		14 34	5 16	23 51	2 2	19 55	0 22	6 39	1 34	24 3	0 26	4 45	2 18	2 46	0 38	7 1	1 56	32 21	13 53	12 40	12 26	12 22		n.a.
T 17	17 35		10 57	5 6	23 57	1 57	20 15	0 25	6 25	1 34	24 3	0 26	4 47	2 18	2 45	0 38	7 2	1 56	32 21	13 53	12 40	12 25	12 20		n.a.
W18	17 52		6 43	4 37	24 0	1 50	20 35	0 27	6 11	1 34	24 4	0 26	4 50	2 18	2 45	0 38	7 3	1 56	32 21	13 53	12 40	12 24	12 18		n.a.
T 19	18 8		2 8	3 52	24 2	1 42	20 54	0 29	5 57	1 34	24 4	0 26	4 52	2 19	2 44	0 38	7 3	1 56	32 20	13 53	12 41	12 23	12 16		n.a.
F 20	18 25		2n31	2 54	24 0	1 33	21 12	0 32	5 43	1 35	24 4	0 26	4 54	2 19	2 43	0 37	7 4	1 56	32 20	13 52	12 41	12 22	12 15		n.a.
S 21	18 41		7 1	1 46	23 57	1 23	21 29	0 34	5 29	1 35	24 5	0 27	4 57	2 19	2 43	0 37	7 5	1 56	32 19	13 52	12 42	12 20	12 13		n.a.
S 22	18 56		11 6	0 33	23 51	1 12	21 46	0 36	5 14	1 35	24 5	0 27	4 59	2 19	2 42	0 37	7 6	1 56	32 19	13 52	12 42	12 19	12 11		n.a.
M23	19 12		14 33	0s41	23 42	0 59	22 3	0 38	5 0	1 35	24 5	0 27	5 1	2 19	2 42	0 37	7 6	1 56	32 18	13 51	12 42	12 18	12 10		n.a.
T 24	19 27		17 11	1 52	23 31	0 45	22 19	0 41	4 46	1 35	24 6	0 27	5 3	2 19	2 41	0 37	7 7	1 56	32 18	13 51	12 42	12 17	12 8		n.a.
W25	19 41		18 52	2 55	23 18	0 30	22 34	0 43	4 32	1 36	24 6	0 27	5 6	2 19	2 40	0 37	7 8	1 56	32 17	13 51	12 41	12 16	12 6		n.a.
T 26	19 56		19 34	3 48	23 1	0 13	22 48	0 45	4 17	1 36	24 7	0 28	5 8	2 19	2 40	0 37	7 8	1 56	32 17	13 51	12 39	12 15	12 4		n.a.
F 27	20 9		19 16	4 29	22 42	0n 4	23 2	0 47	4 3	1 36	24 7	0 28	5 10	2 19	2 39	0 37	7 9	1 56	32 17	13 50	12 38	12 14	12 3		n.a.
S 28	20 23		18 4	4 57	22 21	0 23	23 15	0 49	3 49	1 36	24 8	0 28	5 12	2 20	2 39	0 37	7 10	1 56	32 16	13 50	12 36	12 13	12 1		n.a.
S 29	20 36		16 4	5 11	21 58	0 42	23 27	0 51	3 35	1 36	24 8	0 28	5 14	2 20	2 39	0 37	7 10	1 56	32 16	13 50	12 35	12 12	11 59		n.a.
M30	20s49		13n25	5s11	21s32	1n 2	23s39	0s53	3n21	1n36	24n 8	0n28	5s16	2n20	2n38	0s37	7s11	1n56	32s15	13s49	12s33	12s10	11n57		n.a.

Julian Day Number = 1477740.5, Delta T = 05h25m24s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'16, Lahiri = -13°10'15 Julian Calendar 1 Nov. 668 BCE == Greg. Calendar 25 Oct. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 668 BCE
geocentric

DECEMBER 668 BCE (-667) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 10 32	2♐49'09	20♌13	11°R14	14♐58	25♍57	5°R10	18♎47	7°R57	22♎49	6♒26	2°R36	1♏29	14♌27	n.a.	T 1
W 2	4 14 28	3°50'25	2♍ 5	10♐ 9	16°14	26°32	5♋ 4	18°53	7♈56	22°51	6°27	2°D35	1°26	14°34	n.a.	W 2
T 3	4 18 25	4°51'41	14° 2	8°57	17°29	27° 8	4°58	18°59	7°55	22°53	6°28	2♏36	1°23	14°40	n.a.	T 3
F 4	4 22 22	5°52'57	26° 9	7°40	18°44	27°44	4°52	19° 4	7°54	22°54	6°29	2°37	1°20	14°47	n.a.	F 4
S 5	4 26 18	6°54'13	8♎30	6°20	19°59	28°19	4°46	19°10	7°53	22°56	6°30	2°39	1°16	14°54	n.a.	S 5
S 6	4 30 15	7°55'29	21°11	5° 0	21°15	28°55	4°39	19°15	7°52	22°58	6°31	2°40	1°13	15° 1	n.a.	S 6
M 7	4 34 11	8°56'45	4♏13	3°42	22°30	29°30	4°33	19°21	7°51	23° 0	6°32	2°R41	1°10	15° 7	n.a.	M 7
T 8	4 38 8	9°58'00	17°40	2°30	23°45	0♎ 5	4°26	19°26	7°50	23° 1	6°33	2°40	1° 7	15°14	n.a.	T 8
W 9	4 42 4	10°59'15	1♐30	1°24	25° 0	0°41	4°20	19°31	7°49	23° 3	6°34	2°37	1° 4	15°21	n.a.	W 9
T 10	4 46 1	12° 0'30	15°41	0°25	26°15	1°16	4°13	19°36	7°49	23° 5	6°35	2°32	1° 1	15°28	n.a.	T 10
F 11	4 49 57	13° 1'44	0♑ 8	29♏36	27°30	1°51	4° 6	19°42	7°48	23° 6	6°36	2°26	0°57	15°34	n.a.	F 11
S 12	4 53 54	14° 2'57	14°45	28°56	28°46	2°26	3°59	19°47	7°47	23° 8	6°37	2°19	0°54	15°41	n.a.	S 12
S 13	4 57 51	15° 4'10	29°24	28°26	0♑ 1	3° 1	3°51	19°52	7°47	23° 9	6°38	2°12	0°51	15°48	n.a.	S 13
M14	5 1 47	16° 5'22	13♒59	28° 6	1°16	3°36	3°44	19°57	7°46	23°11	6°39	2° 7	0°48	15°54	n.a.	M14
T 15	5 5 44	17° 6'32	28°24	27°54	2°31	4°11	3°37	20° 1	7°46	23°12	6°40	2° 3	0°45	16° 1	n.a.	T 15
W16	5 9 40	18° 7'42	12♓36	27°D52	3°46	4°46	3°29	20° 6	7°45	23°14	6°41	2°D 2	0°42	16° 8	n.a.	W16
T 17	5 13 37	19° 8'50	26°32	27°57	5° 1	5°21	3°22	20°11	7°45	23°15	6°42	2° 2	0°38	16°15	n.a.	T 17
F 18	5 17 33	20° 9'57	10♈14	28°10	6°16	5°56	3°14	20°16	7°45	23°17	6°44	2° 3	0°35	16°21	n.a.	F 18
S 19	5 21 30	21°11'03	23°41	28°30	7°31	6°30	3° 7	20°20	7°44	23°18	6°45	2° 4	0°32	16°28	n.a.	S 19
S 20	5 25 26	22°12'08	6♉55	28°57	8°46	7° 5	2°59	20°25	7°44	23°20	6°46	2°R 4	0°29	16°35	n.a.	S 20
M21	5 29 23	23°13'11	19°57	29°29	10° 1	7°40	2°51	20°29	7°44	23°21	6°47	2° 3	0°26	16°41	n.a.	M21
T 22	5 33 20	24°14'14	2♊47	0♐ 7	11°16	8°14	2°43	20°33	7°44	23°22	6°48	1°59	0°22	16°48	n.a.	T 22
W23	5 37 16	25°15'16	15°28	0°49	12°31	8°49	2°35	20°38	7°D44	23°24	6°50	1°52	0°19	16°55	n.a.	W23
T 24	5 41 13	26°16'16	27°58	1°35	13°46	9°23	2°27	20°42	7°44	23°25	6°51	1°43	0°16	17° 2	n.a.	T 24
F 25	5 45 9	27°17'15	10♋17	2°26	15° 1	9°57	2°20	20°46	7°44	23°26	6°52	1°32	0°13	17° 8	n.a.	F 25
S 26	5 49 6	28°18'14	22°28	3°20	16°16	10°31	2°12	20°50	7°44	23°27	6°54	1°21	0°10	17°15	n.a.	S 26
S 27	5 53 2	29°19'11	4♌29	4°17	17°30	11° 6	2° 4	20°54	7°44	23°29	6°55	1°10	0° 7	17°22	n.a.	S 27
M28	5 56 59	0♑20'07	16°24	5°18	18°45	11°40	1°56	20°58	7°44	23°30	6°56	1° 0	0° 3	17°28	n.a.	M28
T 29	6 0 56	1°21'02	28°15	6°21	20° 0	12°14	1°48	21° 2	7°45	23°31	6°58	0°52	0° 0	17°35	n.a.	T 29
W30	6 4 52	2°21'56	10♍ 6	7°26	21°15	12°48	1°40	21° 5	7°45	23°32	6°59	0°47	29♎57	17°42	n.a.	W30
T 31	6 8 49	3♑22'49	22♍ 1	8♐34	22♑30	13♎22	1♋32	21♎ 9	7♈45	23♎33	7♒ 0	0♏44	29♎54	17♌49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s 1	10n14	4s58	21s 5	1n22	23s50	0s55	3n 6	1n37	24n 9	0n29	5s18	2n20	2n38	0s37	7s12	1n56	32s15	13s49	12s33	12s 9	11n56		n.a.	T 1
W 2	21 13	6 38	4 33	20 36	1 42	24 0	0 57	2 52	1 37	24 9	0 29	5 21	2 20	2 37	0 37	7 12	1 56	32 14	13 49	12 32	12 8	11 54		n.a.	W 2
T 3	21 24	2 45	3 55	20 7	2 1	24 9	0 59	2 38	1 37	24 10	0 29	5 23	2 20	2 37	0 37	7 13	1 56	32 14	13 49	12 33	12 7	11 52		n.a.	T 3
F 4	21 35	1s18	3 6	19 37	2 18	24 18	1 1	2 24	1 37	24 10	0 29	5 25	2 20	2 36	0 37	7 14	1 57	32 13	13 48	12 33	12 6	11 50		n.a.	F 4
S 5	21 46	5 23	2 8	19 9	2 34	24 26	1 3	2 10	1 37	24 10	0 29	5 27	2 21	2 36	0 37	7 14	1 57	32 13	13 48	12 34	12 5	11 49		n.a.	S 5
S 6	21 56	9 20	1 2	18 41	2 47	24 33	1 5	1 55	1 37	24 11	0 30	5 28	2 21	2 36	0 37	7 15	1 57	32 12	13 48	12 34	12 4	11 47		n.a.	S 6
M 7	22 6	12 58	0n 8	18 16	2 59	24 40	1 6	1 41	1 37	24 11	0 30	5 30	2 21	2 35	0 37	7 15	1 57	32 12	13 48	12 34	12 3	11 45		n.a.	M 7
T 8	22 15	16 3	1 21	17 53	3 8	24 45	1 8	1 27	1 38	24 12	0 30	5 32	2 21	2 35	0 37	7 16	1 57	32 11	13 47	12 34	12 1	11 43		n.a.	T 8
W 9	22 24	18 18	2 30	17 33	3 14	24 50	1 10	1 13	1 38	24 12	0 30	5 34	2 21	2 35	0 37	7 17	1 57	32 11	13 47	12 33	12 0	11 42		n.a.	W 9
T 10	22 33	19 29	3 32	17 17	3 19	24 55	1 11	0 59	1 38	24 13	0 30	5 36	2 21	2 35	0 37	7 17	1 57	32 10	13 47	12 31	11 59	11 40		n.a.	T 10
F 11	22 41	19 25	4 22	17 5	3 21	24 58	1 13	0 45	1 38	24 13	0 30	5 38	2 21	2 34	0 37	7 18	1 57	32 10	13 47	12 29	11 58	11 38		n.a.	F 11
S 12	22 48	18 4	4 55	16 56	3 21	25 1	1 15	0 31	1 38	24 13	0 31	5 40	2 22	2 34	0 37	7 18	1 57	32 9	13 46	12 27	11 57	11 36		n.a.	S 12
S 13	22 55	15 32	5 9	16 51	3 19	25 2	1 16	0 17	1 38	24 14	0 31	5 41	2 22	2 34	0 37	7 19	1 57	32 9	13 46	12 24	11 56	11 35		n.a.	S 13
M14	23 2	12 2	5 2	16 50	3 16	25 3	1 17	0 3	1 38	24 14	0 31	5 43	2 22	2 34	0 37	7 19	1 57	32 8	13 46	12 23	11 55	11 33		n.a.	M14
T 15	23 8	7 52	4 37	16 52	3 11	25 4	1 19	0s11	1 38	24 15	0 31	5 45	2 22	2 34	0 37	7 20	1 57	32 8	13 46	12 21	11 54	11 31		n.a.	T 15
W16	23 14	3 19	3 55	16 57	3 5	25 3	1 20	0 25	1 38	24 15	0 31	5 46	2 22	2 34	0 37	7 20	1 57	32 7	13 46	12 21	11 52	11 29		n.a.	W16
T 17	23 19	1n21	3 0	17 5	2 59	25 2	1 21	0 39	1 38	24 15	0 32	5 48	2 22	2 33	0 37	7 21	1 57	32 7	13 45	12 21	11 51	11 28		n.a.	T 17
F 18	23 24	5 52	1 55	17 15	2 52	25 0	1 23	0 53	1 39	24 16	0 32	5 50	2 23	2 33	0 37	7 21	1 57	32 6	13 45	12 21	11 50	11 26		n.a.	F 18
S 19	23 29	10 1	0 45	17 27	2 44	24 57	1 24	1 7	1 39	24 16	0 32	5 51	2 23	2 33	0 37	7 22	1 57	32 5	13 45	12 22	11 49	11 24		n.a.	S 19
S 20	23 32	13 36	0s26	17 41	2 35	24 53	1 25	1 21	1 39	24 16	0 32	5 53	2 23	2 33	0 36	7 22	1 57	32 5	13 45	12 22	11 48	11 22		n.a.	S 20
M21	23 36	16 27	1 35	17 57	2 26	24 49	1 26	1 34	1 39	24 17	0 32	5 54	2 23	2 33	0 36	7 23	1 57	32 4	13 45	12 21	11 47	11 21		n.a.	M21
T 22	23 39	18 26	2 37	18 13	2 17	24 44	1 27	1 48	1 39	24 17	0 32	5 56	2 23	2 33	0 36	7 23	1 57	32 4	13 44	12 20	11 46	11 19		n.a.	T 22
W23	23 41	19 28	3 31	18 31	2 8	24 38	1 28	2 2	1 39	24 17	0 33	5 57	2 24	2 33	0 36	7 24	1 57	32 3	13 44	12 17	11 45	11 17		n.a.	W23
T 24	23 43	19 32	4 14	18 50	1 58	24 31	1 29	2 15	1 39	24 18	0 33	5 59	2 24	2 33	0 36	7 24	1 58	32 3	13 44	12 14	11 43	11 15		n.a.	T 24
F 25	23 45	18 39	4 44	19 10	1 49	24 24	1 29	2 29	1 39	24 18	0 33	6 0	2 24	2 33	0 36	7 25	1 58	32 2	13 44	12 10	11 42	11 13		n.a.	F 25
S 26	23 46	16 56	5 1	19 30	1 39	24 15	1 30	2 42	1 39	24 18	0 33	6 1	2 24	2 33	0 36	7 25	1 58	32 2	13 44	12 6	11 41	11 12		n.a.	S 26
S 27	23 46	14 30	5 4	19 50	1 30	24 6	1 31	2 56	1 39	24 19	0 33	6 3	2 24	2 33	0 36	7 25	1 58	32 1	13 43	12 2	11 40	11 10		n.a.	S 27
M28	23 46	11 28	4 53	20 10	1 20	23 57	1 31	3 9	1 39	24 19	0 33	6 4	2 24	2 34	0 36	7 26	1 58	32 1	13 43	11 59	11 39	11 8		n.a.	M28
T 29	23 46	8 1	4 31	20 31	1 11	23 46	1 32	3 23	1 39	24 19	0 33	6 5	2 25	2 34	0 36	7 26	1 58	32 0	13 43	11 56	11 38	11 6		n.a.	T 29
W30	23 45	4 15	3 56	20 51	1 1	23 35	1 32	3 36	1 39	24 19	0 34	6 6	2 25	2 34	0 36	7 26	1 58	32 0	13 43	11 54	11 37	11 5		n.a.	W30
T 31	23s44	0n17	3s11	21s11	0n52	23s23	1s33	3s50	1n39	24n20	0n34	6s 7	2n25	2n34	0s36	7s27	1n58	31s59	13s43	11s53	11s36	11n 3		n.a.	T 31

Julian Day Number = 1477770.5, Delta T = 05h25m22s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'11, Lahiri = -13°10'11 Julian Calendar 1 Dec. 668 BCE == Greg. Calendar 24 Nov. 668 BCE

The year -667 astronomical counting style corresponds to year 668 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

JANUARY 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 12 45	4♑23'41	4♎ 4	9♐43	23♑44	13♎55	1°R24	21♎12	7♈46	23♎34	7♒ 2	0°D44	29♎51	17♌55	n.a.	F 1
S 2	6 16 42	5°24'31	16°21	10°55	24°59	14°29	1♋16	21°16	7°46	23°35	7° 3	0♏44	29°48	18° 2	n.a.	S 2
S 3	6 20 38	6°25'21	28°58	12° 8	26°14	15° 3	1° 8	21°19	7°47	23°36	7° 4	0°R44	29°44	18° 9	n.a.	S 3
M 4	6 24 35	7°26'10	11♏58	13°23	27°28	15°36	1° 0	21°22	7°47	23°37	7° 6	0°44	29°41	18°15	n.a.	M 4
T 5	6 28 31	8°26'57	25°26	14°40	28°43	16°10	0°52	21°26	7°48	23°38	7° 7	0°41	29°38	18°22	n.a.	T 5
W 6	6 32 28	9°27'43	9♐22	15°58	29°58	16°43	0°44	21°29	7°49	23°39	7° 9	0°36	29°35	18°29	n.a.	W 6
T 7	6 36 25	10°28'28	23°46	17°17	1♒12	17°16	0°36	21°32	7°49	23°40	7°10	0°28	29°32	18°36	n.a.	T 7
F 8	6 40 21	11°29'12	8♑33	18°38	2°27	17°49	0°28	21°35	7°50	23°40	7°12	0°18	29°28	18°42	n.a.	F 8
S 9	6 44 18	12°29'53	23°34	20° 0	3°41	18°22	0°21	21°37	7°51	23°41	7°13	0° 7	29°25	18°49	n.a.	S 9
S 10	6 48 14	13°30'34	8♒40	21°23	4°56	18°55	0°13	21°40	7°52	23°42	7°15	29♎56	29°22	18°56	n.a.	S 10
M11	6 52 11	14°31'12	23°40	22°47	6°10	19°28	0° 6	21°43	7°53	23°43	7°16	29°47	29°19	19° 3	n.a.	M11
T 12	6 56 7	15°31'48	8♓27	24°12	7°25	20° 1	29♊58	21°45	7°54	23°43	7°18	29°40	29°16	19° 9	n.a.	T 12
W13	7 0 4	16°32'23	22°53	25°39	8°39	20°33	29°51	21°48	7°55	23°44	7°19	29°36	29°13	19°16	n.a.	W13
T 14	7 4 0	17°32'55	6♈57	27° 6	9°54	21° 6	29°43	21°50	7°56	23°45	7°21	29°34	29° 9	19°23	n.a.	T 14
F 15	7 7 57	18°33'26	20°37	28°35	11° 8	21°38	29°36	21°52	7°57	23°45	7°22	29°D34	29° 6	19°29	n.a.	F 15
S 16	7 11 54	19°33'54	3♉57	0♑ 4	12°22	22°11	29°29	21°55	7°58	23°46	7°24	29°R34	29° 3	19°36	n.a.	S 16
S 17	7 15 50	20°34'21	16°58	1°35	13°37	22°43	29°22	21°57	8° 0	23°46	7°25	29°33	29° 0	19°43	n.a.	S 17
M18	7 19 47	21°34'45	29°44	3° 6	14°51	23°15	29°15	21°59	8° 1	23°47	7°27	29°30	28°57	19°50	n.a.	M18
T 19	7 23 43	22°35'08	12♊17	4°39	16° 5	23°47	29° 8	22° 0	8° 2	23°47	7°28	29°24	28°54	19°56	n.a.	T 19
W20	7 27 40	23°35'28	24°41	6°12	17°19	24°18	29° 1	22° 2	8° 4	23°48	7°30	29°15	28°50	20° 3	n.a.	W20
T 21	7 31 36	24°35'47	6♋55	7°47	18°33	24°50	28°55	22° 4	8° 5	23°48	7°32	29° 3	28°47	20°10	n.a.	T 21
F 22	7 35 33	25°36'03	19° 3	9°22	19°48	25°22	28°48	22° 6	8° 7	23°48	7°33	28°49	28°44	20°16	n.a.	F 22
S 23	7 39 29	26°36'18	1♌ 5	10°58	21° 2	25°53	28°42	22° 7	8° 8	23°49	7°35	28°34	28°41	20°23	n.a.	S 23
S 24	7 43 26	27°36'30	13° 2	12°36	22°16	26°24	28°36	22° 8	8°10	23°49	7°36	28°20	28°38	20°30	n.a.	S 24
M25	7 47 23	28°36'41	24°54	14°14	23°30	26°56	28°30	22°10	8°11	23°49	7°38	28° 7	28°34	20°37	n.a.	M25
T 26	7 51 19	29°36'50	6♍45	15°54	24°44	27°27	28°24	22°11	8°13	23°49	7°40	27°56	28°31	20°43	n.a.	T 26
W27	7 55 16	0♒36'57	18°36	17°34	25°57	27°57	28°18	22°12	8°15	23°49	7°41	27°48	28°28	20°50	n.a.	W27
T 28	7 59 12	1°37'02	0♎30	19°16	27°11	28°28	28°12	22°13	8°17	23°50	7°43	27°43	28°25	20°57	n.a.	T 28
F 29	8 3 9	2°37'05	12°32	20°58	28°25	28°59	28° 7	22°14	8°18	23°50	7°44	27°41	28°22	21° 3	n.a.	F 29
S 30	8 7 5	3°37'07	24°47	22°42	29°39	29°29	28° 1	22°15	8°20	23°50	7°46	27°40	28°19	21°10	n.a.	S 30
S 31	8 11 2	4♒37'07	7♏19	24♑27	0♓53	29♎59	27♊56	22♎15	8♈22	23♎50	7♒48	27♎40	28♎15	21♌17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23 s42	3 s44	2 s17	21 s31	0n43	23 s11	1 s33	4 s 3	1n39	24n20	0n34	6 s 9	2n25	2n34	0 s36	7 s27	1n58	31 s59	13 s43	11 s53	11 s34	11n 1		n.a.
S 2	23 40	7 41	1 16	21 50	0 34	22 58	1 33	4 16	1 39	24 20	0 34	6 10	2 26	2 35	0 36	7 27	1 58	31 58	13 43	11 53	11 33	10 59		n.a.
S 3	23 37	11 24	0 9	22 9	0 25	22 44	1 33	4 29	1 39	24 20	0 34	6 11	2 26	2 35	0 36	7 28	1 58	31 58	13 42	11 53	11 32	10 57		n.a.
M 4	23 34	14 42	0n59	22 28	0 16	22 29	1 33	4 42	1 39	24 20	0 34	6 12	2 26	2 35	0 36	7 28	1 58	31 57	13 42	11 53	11 31	10 56		n.a.
T 5	23 30	17 20	2 7	22 45	0 7	22 14	1 34	4 55	1 39	24 21	0 34	6 13	2 26	2 35	0 36	7 28	1 58	31 57	13 42	11 52	11 30	10 54		n.a.
W 6	23 26	19 2	3 10	23 2	0 s 1	21 58	1 33	5 8	1 39	24 21	0 34	6 14	2 26	2 36	0 36	7 29	1 58	31 56	13 42	11 51	11 29	10 52		n.a.
T 7	23 21	19 35	4 3	23 18	0 9	21 41	1 33	5 21	1 39	24 21	0 35	6 15	2 27	2 36	0 36	7 29	1 58	31 55	13 42	11 48	11 28	10 50		n.a.
F 8	23 16	18 50	4 40	23 34	0 17	21 24	1 33	5 34	1 39	24 21	0 35	6 16	2 27	2 36	0 36	7 29	1 58	31 55	13 42	11 44	11 26	10 49		n.a.
S 9	23 11	16 46	5 0	23 48	0 25	21 6	1 33	5 47	1 39	24 21	0 35	6 17	2 27	2 37	0 36	7 29	1 58	31 54	13 42	11 40	11 25	10 47		n.a.
S 10	23 5	13 33	4 58	24 2	0 32	20 48	1 33	5 59	1 39	24 21	0 35	6 17	2 27	2 37	0 36	7 29	1 59	31 54	13 42	11 36	11 24	10 45		n.a.
M11	22 58	9 29	4 36	24 14	0 40	20 29	1 32	6 12	1 39	24 21	0 35	6 18	2 27	2 37	0 36	7 30	1 59	31 53	13 41	11 33	11 23	10 43		n.a.
T 12	22 51	4 53	3 56	24 25	0 47	20 9	1 32	6 25	1 39	24 22	0 35	6 19	2 28	2 38	0 36	7 30	1 59	31 53	13 41	11 31	11 22	10 41		n.a.
W13	22 44	0 6	3 1	24 36	0 54	19 49	1 31	6 37	1 39	24 22	0 35	6 20	2 28	2 38	0 36	7 30	1 59	31 52	13 41	11 29	11 21	10 40		n.a.
T 14	22 36	4n34	1 57	24 45	1 0	19 28	1 31	6 49	1 38	24 22	0 35	6 20	2 28	2 39	0 36	7 30	1 59	31 52	13 41	11 28	11 20	10 38		n.a.
F 15	22 28	8 53	0 47	24 52	1 6	19 7	1 30	7 2	1 38	24 22	0 35	6 21	2 28	2 39	0 35	7 30	1 59	31 51	13 41	11 28	11 18	10 36		n.a.
S 16	22 19	12 39	0 s23	24 59	1 12	18 45	1 29	7 14	1 38	24 22	0 36	6 22	2 29	2 40	0 35	7 31	1 59	31 51	13 41	11 28	11 17	10 34		n.a.
S 17	22 10	15 41	1 31	25 4	1 18	18 23	1 29	7 26	1 38	24 22	0 36	6 22	2 29	2 40	0 35	7 31	1 59	31 50	13 41	11 28	11 16	10 32		n.a.
M18	22 1	17 54	2 32	25 8	1 24	18 0	1 28	7 38	1 38	24 22	0 36	6 23	2 29	2 41	0 35	7 31	1 59	31 50	13 41	11 27	11 15	10 31		n.a.
T 19	21 51	19 12	3 25	25 10	1 29	17 37	1 27	7 50	1 38	24 22	0 36	6 23	2 29	2 41	0 35	7 31	1 59	31 49	13 41	11 25	11 14	10 29		n.a.
W20	21 41	19 33	4 7	25 11	1 33	17 13	1 26	8 2	1 38	24 22	0 36	6 24	2 29	2 42	0 35	7 31	1 59	31 49	13 41	11 21	11 13	10 27		n.a.
T 21	21 30	18 58	4 38	25 10	1 38	16 49	1 25	8 14	1 37	24 22	0 36	6 24	2 30	2 43	0 35	7 31	1 59	31 48	13 41	11 17	11 12	10 25		n.a.
F 22	21 19	17 32	4 55	25 8	1 42	16 24	1 23	8 26	1 37	24 22	0 36	6 24	2 30	2 43	0 35	7 31	1 59	31 48	13 41	11 12	11 10	10 23		n.a.
S 23	21 8	15 20	4 59	25 4	1 46	15 59	1 22	8 38	1 37	24 22	0 36	6 25	2 30	2 44	0 35	7 31	1 59	31 47	13 41	11 7	11 9	10 22		n.a.
S 24	20 56	12 31	4 50	24 59	1 50	15 34	1 21	8 49	1 37	24 22	0 36	6 25	2 30	2 45	0 35	7 31	1 59	31 47	13 41	11 2	11 8	10 20		n.a.
M25	20 44	9 12	4 28	24 52	1 53	15 8	1 20	9 1	1 37	24 22	0 36	6 25	2 31	2 45	0 35	7 31	2 0	31 47	13 41	10 57	11 7	10 18		n.a.
T 26	20 31	5 32	3 54	24 43	1 55	14 41	1 18	9 13	1 36	24 22	0 36	6 25	2 31	2 46	0 35	7 31	2 0	31 46	13 41	10 53	11 6	10 16		n.a.
W27	20 18	1 39	3 11	24 33	1 58	14 15	1 17	9 24	1 36	24 22	0 36	6 26	2 31	2 47	0 35	7 31	2 0	31 46	13 41	10 50	11 5	10 14		n.a.
T 28	20 5	2 s19	2 18	24 21	2 0	13 48	1 15	9 35	1 36	24 22	0 37	6 26	2 31	2 47	0 35	7 31	2 0	31 45	13 41	10 48	11 4	10 13		n.a.
F 29	19 51	6 14	1 19	24 7	2 1	13 20	1 14	9 46	1 36	24 22	0 37	6 26	2 32	2 48	0 35	7 31	2 0	31 45	13 41	10 48	11 2	10 11		n.a.
S 30	19 37	9 58	0 15	23 51	2 3	12 52	1 12	9 58	1 35	24 22	0 37	6 26	2 32	2 49	0 35	7 31	2 0	31 44	13 41	10 47	11 1	10 9		n.a.
S 31	19 s22	13 s21	0n51	23 s33	2 s 3	12 s24	1 s10	10 s 9	1n35	24n22	0n37	6 s26	2n32	2n50	0 s35	7 s31	2n 0	31 s44	13 s41	10 s47	11 s 0	10n 7		n.a.

Julian Day Number = 1477801.5, Delta T = 05h25m21s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'07, Lahiri = -13°10'07 Julian Calendar 1 Jan. 667 BCE == Greg. Calendar 25 Dec. 668 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

FEBRUARY 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 14 58	5♒37'05	20♏13	26♑13	2♓ 6	0♏30	27°R51	22♎16	8♈24	23°R50	7♒49	27°R40	28♎12	21♌24	n.a.	M 1
T 2	8 18 55	6°37'02	3♐35	28° 0	3°20	1° 0	27♊46	22°16	8°26	23♎50	7°51	27♎37	28° 9	21°30	n.a.	T 2
W 3	8 22 51	7°36'57	17°26	29°48	4°34	1°29	27°41	22°17	8°28	23°50	7°52	27°33	28° 6	21°37	n.a.	W 3
T 4	8 26 48	8°36'50	1♑47	1♒37	5°47	1°59	27°37	22°17	8°30	23°50	7°54	27°25	28° 3	21°44	n.a.	T 4
F 5	8 30 45	9°36'41	16°36	3°28	7° 1	2°28	27°32	22°17	8°32	23°50	7°56	27°15	28° 0	21°50	n.a.	F 5
S 6	8 34 41	10°36'30	1♒44	5°19	8°14	2°58	27°28	22°R17	8°34	23°49	7°57	27° 4	27°56	21°57	n.a.	S 6
S 7	8 38 38	11°36'17	17° 2	7°12	9°28	3°27	27°24	22°17	8°37	23°49	7°59	26°53	27°53	22° 4	n.a.	S 7
M 8	8 42 34	12°36'02	2♓19	9° 6	10°41	3°56	27°20	22°17	8°39	23°49	8° 0	26°44	27°50	22°11	n.a.	M 8
T 9	8 46 31	13°35'44	17°24	11° 0	11°54	4°24	27°17	22°17	8°41	23°49	8° 2	26°36	27°47	22°17	n.a.	T 9
W10	8 50 27	14°35'24	2♈ 7	12°56	13° 8	4°53	27°13	22°17	8°43	23°48	8° 4	26°32	27°44	22°24	n.a.	W10
T 11	8 54 24	15°35'02	16°25	14°53	14°21	5°21	27°10	22°16	8°46	23°48	8° 5	26°30	27°40	22°31	n.a.	T 11
F 12	8 58 20	16°34'38	0♉15	16°51	15°34	5°49	27° 7	22°16	8°48	23°48	8° 7	26°D30	27°37	22°37	n.a.	F 12
S 13	9 2 17	17°34'11	13°39	18°50	16°47	6°17	27° 4	22°15	8°50	23°47	8° 8	26°R30	27°34	22°44	n.a.	S 13
S 14	9 6 14	18°33'41	26°40	20°50	18° 0	6°45	27° 1	22°14	8°53	23°47	8°10	26°30	27°31	22°51	n.a.	S 14
M15	9 10 10	19°33'09	9♊21	22°50	19°13	7°12	26°58	22°13	8°55	23°46	8°12	26°28	27°28	22°57	n.a.	M15
T 16	9 14 7	20°32'35	21°47	24°51	20°26	7°39	26°56	22°13	8°58	23°46	8°13	26°24	27°25	23° 4	n.a.	T 16
W17	9 18 3	21°31'58	4♋ 0	26°52	21°39	8° 6	26°54	22°11	9° 1	23°45	8°15	26°17	27°21	23°11	n.a.	W17
T 18	9 22 0	22°31'19	16° 5	28°53	22°52	8°33	26°52	22°10	9° 3	23°45	8°16	26° 7	27°18	23°18	n.a.	T 18
F 19	9 25 56	23°30'38	28° 4	0♓54	24° 4	8°59	26°50	22° 9	9° 6	23°44	8°18	25°56	27°15	23°24	n.a.	F 19
S 20	9 29 53	24°29'54	9♌59	2°55	25°17	9°26	26°48	22° 8	9° 8	23°44	8°19	25°44	27°12	23°31	n.a.	S 20
S 21	9 33 49	25°29'08	21°51	4°55	26°30	9°52	26°47	22° 7	9°11	23°43	8°21	25°32	27° 9	23°38	n.a.	S 21
M22	9 37 46	26°28'20	3♍43	6°54	27°42	10°17	26°45	22° 5	9°14	23°42	8°22	25°22	27° 5	23°44	n.a.	M22
T 23	9 41 42	27°27'30	15°35	8°52	28°55	10°43	26°44	22° 3	9°17	23°42	8°24	25°13	27° 2	23°51	n.a.	T 23
W24	9 45 39	28°26'37	27°29	10°48	0♈ 7	11° 8	26°43	22° 2	9°19	23°41	8°26	25° 7	26°59	23°58	n.a.	W24
T 25	9 49 36	29°25'43	9♎29	12°42	1°20	11°33	26°43	22° 0	9°22	23°40	8°27	25° 3	26°56	24° 5	n.a.	T 25
F 26	9 53 32	0♓24'47	21°36	14°34	2°32	11°58	26°42	21°58	9°25	23°39	8°29	25°D 2	26°53	24°11	n.a.	F 26
S 27	9 57 29	1°23'48	3♏54	16°22	3°44	12°22	26°42	21°56	9°28	23°39	8°30	25° 2	26°50	24°18	n.a.	S 27
S 28	10 1 25	2♓22'48	16♏27	18♓ 8	4♈56	12♏46	26°D42	21♎54	9♈31	23♎38	8♒32	25♎ 3	26♎46	24♌25	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s 8	16s11	1n56	23s14	2s 4	11s56	1s 8	10s20	1n35	24n22	0n37	6s26	2n32	2n51	0s35	7s31	2n 0	31s43	13s41	10s47	10s59	10n 5		n.a.
T 2	18 53	18 15	2 58	22 52	2 4	11 27	1 6	10 30	1 35	24 22	0 37	6 26	2 32	2 51	0 35	7 31	2 0	31 43	13 41	10 46	10 58	10 4		n.a.
W 3	18 37	19 20	3 51	22 29	2 3	10 58	1 4	10 41	1 34	24 22	0 37	6 26	2 33	2 52	0 35	7 31	2 0	31 42	13 41	10 45	10 57	10 2		n.a.
T 4	18 22	19 14	4 32	22 3	2 2	10 29	1 2	10 52	1 34	24 22	0 37	6 26	2 33	2 53	0 35	7 31	2 0	31 42	13 41	10 42	10 56	10 0		n.a.
F 5	18 6	17 50	4 56	21 36	2 0	9 59	1 0	11 2	1 33	24 22	0 37	6 26	2 33	2 54	0 35	7 31	2 0	31 42	13 41	10 38	10 54	9 58		n.a.
S 6	17 49	15 11	5 0	21 7	1 58	9 30	0 58	11 13	1 33	24 22	0 37	6 26	2 33	2 55	0 35	7 31	2 0	31 41	13 41	10 34	10 53	9 56		n.a.
S 7	17 33	11 27	4 43	20 36	1 56	9 0	0 56	11 23	1 33	24 22	0 37	6 25	2 34	2 56	0 35	7 30	2 0	31 41	13 41	10 30	10 52	9 55		n.a.
M 8	17 16	6 59	4 6	20 2	1 53	8 29	0 54	11 33	1 32	24 22	0 37	6 25	2 34	2 57	0 35	7 30	2 0	31 40	13 41	10 27	10 51	9 53		n.a.
T 9	16 58	2 7	3 11	19 27	1 49	7 59	0 52	11 44	1 32	24 22	0 37	6 25	2 34	2 58	0 35	7 30	2 0	31 40	13 41	10 24	10 50	9 51		n.a.
W10	16 41	2n46	2 5	18 50	1 45	7 28	0 49	11 54	1 31	24 22	0 37	6 24	2 34	2 59	0 35	7 30	2 1	31 40	13 41	10 22	10 49	9 49		n.a.
T 11	16 23	7 22	0 53	18 11	1 40	6 58	0 47	12 4	1 31	24 22	0 37	6 24	2 35	2 59	0 35	7 30	2 1	31 39	13 41	10 22	10 47	9 47		n.a.
F 12	16 5	11 24	0s20	17 30	1 34	6 27	0 44	12 14	1 30	24 22	0 37	6 24	2 35	3 0	0 35	7 30	2 1	31 39	13 41	10 22	10 46	9 45		n.a.
S 13	15 47	14 44	1 30	16 47	1 28	5 56	0 42	12 23	1 30	24 22	0 37	6 23	2 35	3 1	0 35	7 29	2 1	31 38	13 41	10 22	10 45	9 44		n.a.
S 14	15 28	17 12	2 33	16 2	1 22	5 24	0 39	12 33	1 29	24 22	0 37	6 23	2 35	3 2	0 35	7 29	2 1	31 38	13 41	10 22	10 44	9 42		n.a.
M15	15 10	18 45	3 27	15 16	1 15	4 53	0 37	12 43	1 29	24 22	0 37	6 22	2 35	3 3	0 34	7 29	2 1	31 38	13 41	10 21	10 43	9 40		n.a.
T 16	14 51	19 21	4 10	14 28	1 7	4 22	0 34	12 52	1 28	24 22	0 37	6 22	2 36	3 5	0 34	7 29	2 1	31 37	13 41	10 19	10 42	9 38		n.a.
W17	14 31	19 2	4 41	13 39	0 58	3 50	0 31	13 1	1 28	24 22	0 37	6 21	2 36	3 6	0 34	7 29	2 1	31 37	13 42	10 17	10 41	9 36		n.a.
T 18	14 12	17 51	4 58	12 48	0 49	3 18	0 29	13 11	1 27	24 22	0 37	6 21	2 36	3 7	0 34	7 28	2 1	31 37	13 42	10 13	10 39	9 34		n.a.
F 19	13 52	15 54	5 3	11 56	0 40	2 47	0 26	13 20	1 26	24 22	0 37	6 20	2 36	3 8	0 34	7 28	2 1	31 36	13 42	10 9	10 38	9 33		n.a.
S 20	13 32	13 17	4 54	11 2	0 30	2 15	0 23	13 29	1 26	24 21	0 37	6 19	2 36	3 9	0 34	7 28	2 1	31 36	13 42	10 5	10 37	9 31		n.a.
S 21	13 12	10 8	4 32	10 8	0 19	1 43	0 20	13 38	1 25	24 21	0 37	6 18	2 37	3 10	0 34	7 27	2 1	31 36	13 42	10 1	10 36	9 29		n.a.
M22	12 52	6 35	3 59	9 14	0 8	1 11	0 17	13 47	1 24	24 21	0 38	6 18	2 37	3 11	0 34	7 27	2 1	31 35	13 42	9 57	10 35	9 27		n.a.
T 23	12 31	2 46	3 15	8 19	0n 3	0 39	0 14	13 55	1 24	24 21	0 38	6 17	2 37	3 12	0 34	7 27	2 1	31 35	13 42	9 53	10 34	9 25		n.a.
W24	12 11	1s 9	2 22	7 23	0 15	0 7	0 11	14 4	1 23	24 21	0 38	6 16	2 37	3 13	0 34	7 27	2 1	31 35	13 42	9 51	10 32	9 24		n.a.
T 25	11 50	5 4	1 22	6 28	0 27	0n25	0 8	14 12	1 22	24 21	0 38	6 15	2 37	3 14	0 34	7 26	2 1	31 34	13 43	9 50	10 31	9 22		n.a.
F 26	11 29	8 49	0 18	5 34	0 39	0 56	0 5	14 21	1 21	24 21	0 38	6 14	2 38	3 16	0 34	7 26	2 2	31 34	13 43	9 49	10 30	9 20		n.a.
S 27	11 8	12 15	0n48	4 40	0 51	1 28	0 2	14 29	1 21	24 21	0 38	6 13	2 38	3 17	0 34	7 25	2 2	31 34	13 43	9 49	10 29	9 18		n.a.
S 28	10s46	15s11	1n53	3s47	1n 3	2n 0	0n 1	14s37	1n20	24n21	0n38	6s13	2n38	3n18	0s34	7s25	2n 2	31s34	13s43	9s50	10s28	9n16		n.a.

Julian Day Number = 1477832.5, Delta T = 05h25m19s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°17'03, Lahiri = -13°10'03 Julian Calendar 1 Feb. 667 BCE == Greg. Calendar 25 Jan. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

MARCH 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 5 22	3♓21'46	29♏20	19♓49	6♈ 8	13♏10	26♊42	21°R52	9♈34	23°R37	8♒33	25°R 4	26♎43	24♌31	n.a.	M 1
T 2	10 9 18	4°20'42	12♐36	21°27	7°20	13°33	26°42	21♎50	9°37	23♎36	8°35	25♎ 4	26°40	24°38	n.a.	T 2
W 3	10 13 15	5°19'36	26°18	23° 0	8°32	13°57	26°42	21°48	9°40	23°35	8°36	25° 2	26°37	24°45	n.a.	W 3
T 4	10 17 11	6°18'29	10♑28	24°29	9°44	14°19	26°43	21°45	9°43	23°34	8°37	24°58	26°34	24°52	n.a.	T 4
F 5	10 21 8	7°17'19	25° 5	25°53	10°56	14°42	26°44	21°43	9°46	23°33	8°39	24°52	26°31	24°58	n.a.	F 5
S 6	10 25 5	8°16'08	10♒ 3	27°11	12° 8	15° 4	26°45	21°40	9°49	23°32	8°40	24°45	26°27	25° 5	n.a.	S 6
S 7	10 29 1	9°14'55	25°15	28°25	13°19	15°26	26°46	21°38	9°52	23°31	8°42	24°38	26°24	25°12	n.a.	S 7
M 8	10 32 58	10°13'39	10♓30	29°32	14°31	15°47	26°47	21°35	9°55	23°30	8°43	24°32	26°21	25°18	n.a.	M 8
T 9	10 36 54	11°12'22	25°38	0♈34	15°42	16° 8	26°49	21°32	9°58	23°29	8°45	24°27	26°18	25°25	n.a.	T 9
W10	10 40 51	12°11'02	10♈30	1°30	16°54	16°29	26°51	21°29	10° 1	23°28	8°46	24°25	26°15	25°32	n.a.	W10
T 11	10 44 47	13° 9'40	24°58	2°21	18° 5	16°49	26°53	21°26	10° 4	23°27	8°47	24°D24	26°11	25°38	n.a.	T 11
F 12	10 48 44	14° 8'16	8♉59	3° 5	19°16	17° 9	26°55	21°23	10° 7	23°26	8°49	24°24	26° 8	25°45	n.a.	F 12
S 13	10 52 40	15° 6'50	22°32	3°42	20°27	17°28	26°57	21°20	10°11	23°25	8°50	24°26	26° 5	25°52	n.a.	S 13
S 14	10 56 37	16° 5'21	5♊39	4°14	21°39	17°47	26°59	21°17	10°14	23°23	8°51	24°27	26° 2	25°59	n.a.	S 14
M15	11 0 33	17° 3'50	18°24	4°40	22°50	18° 6	27° 2	21°14	10°17	23°22	8°53	24°R28	25°59	26° 5	n.a.	M15
T 16	11 4 30	18° 2'17	0♋50	4°59	24° 0	18°24	27° 5	21°11	10°20	23°21	8°54	24°27	25°56	26°12	n.a.	T 16
W17	11 8 27	19° 0'41	13° 1	5°12	25°11	18°41	27° 8	21° 7	10°24	23°20	8°55	24°24	25°52	26°19	n.a.	W17
T 18	11 12 23	19°59'03	25° 2	5°19	26°22	18°59	27°11	21° 4	10°27	23°18	8°57	24°20	25°49	26°25	n.a.	T 18
F 19	11 16 20	20°57'24	6♌57	5°R20	27°33	19°15	27°14	21° 0	10°30	23°17	8°58	24°15	25°46	26°32	n.a.	F 19
S 20	11 20 16	21°55'41	18°49	5°16	28°43	19°32	27°18	20°57	10°34	23°16	8°59	24° 9	25°43	26°39	n.a.	S 20
S 21	11 24 13	22°53'57	0♍40	5° 6	29°53	19°48	27°22	20°53	10°37	23°15	9° 0	24° 4	25°40	26°45	n.a.	S 21
M22	11 28 9	23°52'11	12°32	4°51	1♉ 4	20° 3	27°26	20°50	10°40	23°13	9° 2	23°59	25°36	26°52	n.a.	M22
T 23	11 32 6	24°50'23	24°29	4°31	2°14	20°18	27°30	20°46	10°44	23°12	9° 3	23°54	25°33	26°59	n.a.	T 23
W24	11 36 2	25°48'33	6♎31	4° 6	3°24	20°32	27°34	20°42	10°47	23°10	9° 4	23°52	25°30	27° 6	n.a.	W24
T 25	11 39 59	26°46'41	18°40	3°38	4°34	20°46	27°38	20°38	10°50	23° 9	9° 5	23°D51	25°27	27°12	n.a.	T 25
F 26	11 43 55	27°44'47	0♏59	3° 6	5°44	20°59	27°43	20°34	10°54	23° 8	9° 6	23°51	25°24	27°19	n.a.	F 26
S 27	11 47 52	28°42'52	13°28	2°32	6°54	21°12	27°47	20°30	10°57	23° 6	9° 7	23°52	25°21	27°26	n.a.	S 27
S 28	11 51 49	29°40'55	26°12	1°55	8° 3	21°24	27°52	20°27	11° 0	23° 5	9° 9	23°53	25°17	27°32	n.a.	S 28
M29	11 55 45	0♈38'57	9♐11	1°17	9°13	21°36	27°57	20°23	11° 4	23° 3	9°10	23°55	25°14	27°39	n.a.	M29
T 30	11 59 42	1°36'57	22°30	0°39	10°23	21°47	28° 2	20°18	11° 7	23° 2	9°11	23°56	25°11	27°46	n.a.	T 30
W31	12 3 38	2♈34'56	6♑ 9	0♈ 0	11♉32	21♏57	28♊ 8	20♎14	11♈11	23♎ 0	9♒12	23°R56	25♎ 8	27♌53	n.a.	W31

Day	☉	☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	10s25	17s28	2n54		2s56	1n16	2n32	0n 4	14s45	1n19	24n21	0n38	6s12	2n38	3n19	0s34	7s25	2n 2	31s33	13s43	9s50	10s27	9n14			n.a.
T 2	10 3	18 52	3 48		2 6	1 28	3 4	0 7	14 53	1 18	24 21	0 38	6 11	2 38	3 20	0 34	7 24	2 2	31 33	13 43	9 50	10 25	9 13			n.a.
W 3	9 41	19 13	4 30		1 18	1 40	3 35	0 11	15 1	1 17	24 22	0 38	6 10	2 39	3 21	0 34	7 24	2 2	31 33	13 44	9 49	10 24	9 11			n.a.
T 4	9 19	18 24	4 58		0 31	1 51	4 7	0 14	15 9	1 16	24 22	0 38	6 8	2 39	3 23	0 34	7 24	2 2	31 33	13 44	9 48	10 23	9 9			n.a.
F 5	8 57	16 22	5 8		0n12	2 2	4 39	0 17	15 17	1 15	24 22	0 38	6 7	2 39	3 24	0 34	7 23	2 2	31 32	13 44	9 46	10 22	9 7			n.a.
S 6	8 35	13 12	4 57		0 54	2 13	5 10	0 20	15 24	1 14	24 22	0 38	6 6	2 39	3 25	0 34	7 23	2 2	31 32	13 44	9 43	10 21	9 5			n.a.
S 7	8 13	9 7	4 25		1 32	2 23	5 41	0 23	15 32	1 13	24 22	0 38	6 5	2 39	3 26	0 34	7 22	2 2	31 32	13 44	9 40	10 20	9 3			n.a.
M 8	7 50	4 25	3 35		2 8	2 32	6 12	0 27	15 39	1 12	24 22	0 38	6 4	2 39	3 28	0 34	7 22	2 2	31 32	13 44	9 38	10 18	9 1			n.a.
T 9	7 28	0n31	2 29		2 41	2 41	6 43	0 30	15 46	1 11	24 22	0 38	6 3	2 40	3 29	0 34	7 21	2 2	31 31	13 45	9 36	10 17	9 0			n.a.
W10	7 5	5 21	1 15		3 11	2 49	7 14	0 33	15 53	1 10	24 22	0 38	6 2	2 40	3 30	0 34	7 21	2 2	31 31	13 45	9 35	10 16	8 58			n.a.
T 11	6 42	9 45	0s 3		3 37	2 56	7 45	0 37	16 0	1 8	24 22	0 38	6 0	2 40	3 31	0 34	7 21	2 2	31 31	13 45	9 35	10 15	8 56			n.a.
F 12	6 20	13 27	1 18		4 1	3 2	8 16	0 40	16 7	1 7	24 22	0 38	5 59	2 40	3 33	0 34	7 20	2 2	31 31	13 45	9 35	10 14	8 54			n.a.
S 13	5 57	16 18	2 27		4 21	3 7	8 46	0 43	16 14	1 6	24 22	0 38	5 58	2 40	3 34	0 34	7 20	2 2	31 31	13 45	9 36	10 13	8 52			n.a.
S 14	5 34	18 11	3 25		4 37	3 11	9 16	0 46	16 20	1 5	24 22	0 38	5 56	2 40	3 35	0 34	7 19	2 2	31 30	13 46	9 36	10 11	8 50			n.a.
M15	5 11	19 4	4 12		4 50	3 13	9 46	0 50	16 27	1 3	24 22	0 38	5 55	2 41	3 37	0 34	7 19	2 2	31 30	13 46	9 37	10 10	8 49			n.a.
T 16	4 48	19 1	4 45		4 59	3 15	10 16	0 53	16 33	1 2	24 22	0 38	5 54	2 41	3 38	0 34	7 18	2 2	31 30	13 46	9 36	10 9	8 47			n.a.
W17	4 24	18 4	5 5		5 5	3 15	10 45	0 56	16 40	1 0	24 22	0 38	5 52	2 41	3 39	0 34	7 18	2 2	31 30	13 46	9 35	10 8	8 45			n.a.
T 18	4 1	16 19	5 11		5 7	3 14	11 14	1 0	16 46	0 59	24 22	0 38	5 51	2 41	3 41	0 34	7 17	2 2	31 30	13 47	9 34	10 7	8 43			n.a.
F 19	3 38	13 54	5 4		5 5	3 12	11 43	1 3	16 52	0 57	24 22	0 38	5 49	2 41	3 42	0 34	7 17	2 2	31 30	13 47	9 32	10 6	8 41			n.a.
S 20	3 15	10 55	4 43		5 0	3 8	12 12	1 6	16 58	0 56	24 22	0 38	5 48	2 41	3 43	0 34	7 16	2 3	31 30	13 47	9 30	10 4	8 39			n.a.
S 21	2 51	7 29	4 11		4 51	3 3	12 40	1 9	17 4	0 54	24 22	0 38	5 47	2 41	3 45	0 34	7 16	2 3	31 29	13 47	9 28	10 3	8 38			n.a.
M22	2 28	3 46	3 27		4 39	2 57	13 8	1 13	17 9	0 53	24 23	0 38	5 45	2 41	3 46	0 34	7 15	2 3	31 29	13 48	9 26	10 2	8 36			n.a.
T 23	2 5	0s 8	2 34		4 24	2 49	13 36	1 16	17 15	0 51	24 23	0 38	5 44	2 42	3 47	0 34	7 14	2 3	31 29	13 48	9 24	10 1	8 34			n.a.
W24	1 41	4 3	1 34		4 5	2 40	14 3	1 19	17 21	0 49	24 23	0 38	5 42	2 42	3 49	0 34	7 14	2 3	31 29	13 48	9 23	10 0	8 32			n.a.
T 25	1 18	7 51	0 28		3 44	2 29	14 31	1 22	17 26	0 47	24 23	0 38	5 41	2 42	3 50	0 34	7 13	2 3	31 29	13 48	9 23	9 59	8 30			n.a.
F 26	0 54	11 22	0n39		3 21	2 18	14 57	1 25	17 31	0 46	24 23	0 38	5 39	2 42	3 51	0 34	7 13	2 3	31 29	13 49	9 23	9 57	8 28			n.a.
S 27	0 31	14 25	1 46		2 55	2 5	15 24	1 28	17 36	0 44	24 23	0 38	5 37	2 42	3 53	0 34	7 12	2 3	31 29	13 49	9 23	9 56	8 26			n.a.
S 28	0 8	16 50	2 49		2 28	1 51	15 50	1 32	17 41	0 42	24 23	0 38	5 36	2 42	3 54	0 34	7 12	2 3	31 29	13 49	9 24	9 55	8 25			n.a.
M29	0n16	18 27	3 44		1 59	1 36	16 16	1 35	17 46	0 40	24 23	0 38	5 34	2 42	3 55	0 34	7 11	2 3	31 29	13 50	9 24	9 54	8 23			n.a.
T 30	0 39	19 5	4 29		1 29	1 20	16 41	1 38	17 51	0 38	24 23	0 38	5 33	2 42	3 57	0 34	7 11	2 3	31 29	13 50	9 25	9 53	8 21			n.a.
W31	1n 2	18s38	5n 0		0n59	1n 4	17n 6	1n41	17s56	0n36	24n23	0n38	5s31	2n42	3n58	0s34	7s10	2n 3	31s29	13s50	9s25	9s51	8n19			n.a.

Julian Day Number = 1477860.5, Delta T = 05h25m18s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'59, Lahiri = -13°09'59 Julian Calendar 1 March 667 BCE == Greg. Calendar 22 Feb. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

APRIL 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 7 35	3♈32'53	20♉ 9	29°R23	12♉41	22♏ 7	28♊13	20°R10	11♈14	22°R59	9♒13	23°R55	25♎ 5	27♌59	n.a.	T 1
F 2	12 11 31	4°30'49	4♒30	28♓46	13°50	22°16	28°19	20♎ 6	11°18	22♎57	9°14	23♎54	25° 2	28° 6	n.a.	F 2
S 3	12 15 28	5°28'44	19°10	28°11	14°59	22°25	28°24	20° 2	11°21	22°56	9°15	23°52	24°58	28°13	n.a.	S 3
S 4	12 19 24	6°26'37	4♓ 1	27°39	16° 8	22°32	28°30	19°58	11°25	22°54	9°16	23°49	24°55	28°19	n.a.	S 4
M 5	12 23 21	7°24'29	18°59	27°10	17°17	22°40	28°36	19°53	11°28	22°53	9°17	23°47	24°52	28°26	n.a.	M 5
T 6	12 27 18	8°22'19	3♈54	26°44	18°25	22°46	28°43	19°49	11°31	22°51	9°18	23°46	24°49	28°33	n.a.	T 6
W 7	12 31 14	9°20'07	18°38	26°22	19°34	22°52	28°49	19°45	11°35	22°50	9°19	23°D45	24°46	28°39	n.a.	W 7
T 8	12 35 11	10°17'54	3♉ 4	26° 4	20°42	22°57	28°55	19°41	11°38	22°48	9°20	23°45	24°42	28°46	n.a.	T 8
F 9	12 39 7	11°15'40	17° 7	25°50	21°51	23° 2	29° 2	19°36	11°42	22°46	9°20	23°46	24°39	28°53	n.a.	F 9
S 10	12 43 4	12°13'23	0♊46	25°41	22°59	23° 5	29° 9	19°32	11°45	22°45	9°21	23°47	24°36	29° 0	n.a.	S 10
S 11	12 47 0	13°11'05	13°59	25°36	24° 7	23° 8	29°16	19°27	11°49	22°43	9°22	23°48	24°33	29° 6	n.a.	S 11
M12	12 50 57	14° 8'46	26°49	25°D36	25°15	23°11	29°23	19°23	11°52	22°42	9°23	23°49	24°30	29°13	n.a.	M12
T 13	12 54 53	15° 6'24	9♋18	25°40	26°22	23°12	29°30	19°19	11°56	22°40	9°24	23°49	24°27	29°20	n.a.	T 13
W14	12 58 50	16° 4'01	21°32	25°49	27°30	23°13	29°37	19°14	11°59	22°39	9°25	23°R49	24°23	29°26	n.a.	W14
T 15	13 2 47	17° 1'36	3♌33	26° 2	28°37	23°R13	29°45	19°10	12° 3	22°37	9°25	23°49	24°20	29°33	n.a.	T 15
F 16	13 6 43	17°59'10	15°28	26°20	29°44	23°13	29°52	19° 5	12° 6	22°35	9°26	23°48	24°17	29°40	n.a.	F 16
S 17	13 10 40	18°56'42	27°19	26°42	0♊51	23°11	0♋ 0	19° 1	12° 9	22°34	9°27	23°48	24°14	29°46	n.a.	S 17
S 18	13 14 36	19°54'13	9♍11	27° 9	1°58	23° 9	0° 8	18°56	12°13	22°32	9°28	23°47	24°11	29°53	n.a.	S 18
M19	13 18 33	20°51'42	21° 6	27°40	3° 5	23° 6	0°16	18°52	12°16	22°30	9°28	23°47	24° 8	29°59	n.a.	M19
T 20	13 22 29	21°49'10	3♎ 9	28°15	4°11	23° 3	0°24	18°48	12°20	22°29	9°29	23°46	24° 4	0♍ 6	n.a.	T 20
W21	13 26 26	22°46'36	15°21	28°53	5°18	22°59	0°32	18°43	12°23	22°27	9°30	23°46	24° 1	0°13	n.a.	W21
T 22	13 30 22	23°44'01	27°44	29°36	6°24	22°54	0°40	18°39	12°27	22°26	9°30	23°46	23°58	0°20	n.a.	T 22
F 23	13 34 19	24°41'25	10♏19	0♈22	7°30	22°48	0°49	18°34	12°30	22°24	9°31	23°46	23°55	0°27	n.a.	F 23
S 24	13 38 15	25°38'48	23° 8	1°12	8°36	22°41	0°57	18°30	12°33	22°22	9°31	23°46	23°52	0°33	n.a.	S 24
S 25	13 42 12	26°36'11	6♐10	2° 6	9°41	22°34	1° 6	18°26	12°37	22°21	9°32	23°46	23°48	0°40	n.a.	S 25
M26	13 46 9	27°33'32	19°27	3° 3	10°47	22°26	1°15	18°21	12°40	22°19	9°32	23°46	23°45	0°47	n.a.	M26
T 27	13 50 5	28°30'53	2♑57	4° 3	11°52	22°17	1°24	18°17	12°44	22°18	9°33	23°45	23°42	0°53	n.a.	T 27
W28	13 54 2	29°28'13	16°43	5° 6	12°57	22° 8	1°33	18°13	12°47	22°16	9°33	23°45	23°39	1° 0	n.a.	W28
T 29	13 57 58	0♉25'32	0♒41	6°13	14° 2	21°58	1°42	18° 8	12°50	22°14	9°34	23°D45	23°36	1° 7	n.a.	T 29
F 30	14 1 55	1♉22'50	14♒53	7♈23	15♊ 6	21♏47	1♋51	18♎ 4	12♈54	22♎13	9♒34	23♎45	23♎33	1♍13	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n26	17s 3	5n15	0n29	0n48	17n30	1n44	18s 1	0n34	24n23	0n38	5s29	2n42	3n59	0s34	7s 9	2n 3	31s29	13s50	9s24	9s50	8n17		n.a.
F 2	1 49	14 23	5 10	0s 1	0 31	17 54	1 46	18 5	0 31	24 23	0 38	5 28	2 42	4 1	0 34	7 9	2 3	31 29	13 51	9 24	9 49	8 15		n.a.
S 3	2 12	10 46	4 45	0 31	0 14	18 18	1 49	18 10	0 29	24 23	0 38	5 26	2 42	4 2	0 34	7 8	2 3	31 29	13 51	9 23	9 48	8 13		n.a.
S 4	2 36	6 26	4 1	0 59	0s 3	18 41	1 52	18 14	0 27	24 24	0 38	5 24	2 42	4 4	0 34	7 8	2 3	31 29	13 51	9 22	9 47	8 12		n.a.
M 5	2 59	1 39	3 1	1 26	0 19	19 4	1 55	18 18	0 24	24 24	0 38	5 23	2 42	4 5	0 34	7 7	2 3	31 29	13 52	9 21	9 46	8 10		n.a.
T 6	3 22	3n13	1 48	1 51	0 35	19 26	1 58	18 22	0 22	24 24	0 38	5 21	2 43	4 6	0 34	7 6	2 3	31 29	13 52	9 21	9 44	8 8		n.a.
W 7	3 45	7 50	0 28	2 15	0 51	19 48	2 0	18 26	0 20	24 24	0 38	5 19	2 43	4 8	0 34	7 6	2 3	31 29	13 52	9 21	9 43	8 6		n.a.
T 8	4 8	11 54	0s51	2 36	1 6	20 9	2 3	18 30	0 17	24 24	0 38	5 18	2 43	4 9	0 34	7 5	2 3	31 29	13 53	9 21	9 42	8 4		n.a.
F 9	4 31	15 10	2 6	2 55	1 21	20 30	2 5	18 33	0 14	24 24	0 38	5 16	2 43	4 10	0 34	7 5	2 3	31 29	13 53	9 21	9 41	8 2		n.a.
S 10	4 54	17 29	3 11	3 11	1 35	20 50	2 8	18 37	0 12	24 24	0 38	5 14	2 43	4 12	0 34	7 4	2 3	31 29	13 53	9 21	9 40	8 0		n.a.
S 11	5 17	18 46	4 4	3 25	1 48	21 10	2 10	18 40	0 9	24 24	0 38	5 13	2 43	4 13	0 34	7 3	2 3	31 29	13 53	9 22	9 38	7 59		n.a.
M12	5 39	19 2	4 43	3 36	2 0	21 29	2 13	18 44	0 6	24 24	0 38	5 11	2 43	4 15	0 34	7 3	2 3	31 29	13 54	9 22	9 37	7 57		n.a.
T 13	6 2	18 20	5 7	3 45	2 11	21 48	2 15	18 47	0 3	24 24	0 38	5 9	2 43	4 16	0 34	7 2	2 3	31 29	13 54	9 22	9 36	7 55		n.a.
W14	6 24	16 49	5 17	3 51	2 21	22 6	2 17	18 50	0 0	24 24	0 38	5 8	2 43	4 17	0 34	7 2	2 3	31 29	13 54	9 22	9 35	7 53		n.a.
T 15	6 47	14 34	5 12	3 54	2 31	22 24	2 19	18 53	0s 3	24 24	0 38	5 6	2 43	4 19	0 34	7 1	2 3	31 29	13 55	9 22	9 34	7 51		n.a.
F 16	7 9	11 44	4 55	3 54	2 39	22 41	2 21	18 55	0 6	24 24	0 38	5 4	2 43	4 20	0 34	7 0	2 3	31 29	13 55	9 22	9 33	7 49		n.a.
S 17	7 31	8 26	4 25	3 52	2 47	22 57	2 23	18 58	0 9	24 24	0 38	5 3	2 43	4 21	0 34	7 0	2 3	31 29	13 55	9 22	9 31	7 47		n.a.
S 18	7 53	4 48	3 43	3 48	2 53	23 13	2 25	19 1	0 12	24 24	0 38	5 1	2 43	4 23	0 34	6 59	2 3	31 30	13 56	9 21	9 30	7 45		n.a.
M19	8 15	0 57	2 52	3 40	2 59	23 28	2 27	19 3	0 15	24 24	0 38	4 59	2 42	4 24	0 34	6 59	2 3	31 30	13 56	9 21	9 29	7 44		n.a.
T 20	8 37	2s59	1 52	3 31	3 4	23 43	2 29	19 5	0 18	24 24	0 38	4 58	2 42	4 26	0 34	6 58	2 3	31 30	13 57	9 21	9 28	7 42		n.a.
W21	8 59	6 50	0 47	3 19	3 8	23 57	2 31	19 7	0 22	24 24	0 38	4 56	2 42	4 27	0 34	6 57	2 3	31 30	13 57	9 21	9 27	7 40		n.a.
T 22	9 20	10 28	0n22	3 5	3 11	24 10	2 32	19 9	0 25	24 24	0 38	4 54	2 42	4 28	0 34	6 57	2 3	31 30	13 57	9 21	9 25	7 38		n.a.
F 23	9 42	13 41	1 31	2 48	3 13	24 23	2 34	19 11	0 28	24 24	0 38	4 53	2 42	4 30	0 34	6 56	2 3	31 30	13 58	9 21	9 24	7 36		n.a.
S 24	10 3	16 18	2 36	2 29	3 15	24 36	2 35	19 13	0 32	24 24	0 38	4 51	2 42	4 31	0 34	6 56	2 3	31 30	13 58	9 21	9 23	7 34		n.a.
S 25	10 24	18 7	3 34	2 8	3 15	24 47	2 36	19 14	0 36	24 24	0 38	4 50	2 42	4 32	0 34	6 55	2 3	31 31	13 58	9 21	9 22	7 32		n.a.
M26	10 45	18 59	4 22	1 45	3 15	24 58	2 37	19 16	0 39	24 24	0 38	4 48	2 42	4 34	0 34	6 54	2 3	31 31	13 59	9 21	9 21	7 31		n.a.
T 27	11 6	18 48	4 57	1 20	3 14	25 9	2 38	19 17	0 43	24 24	0 38	4 46	2 42	4 35	0 34	6 54	2 3	31 31	13 59	9 21	9 20	7 29		n.a.
W28	11 26	17 30	5 15	0 53	3 13	25 18	2 39	19 18	0 46	24 24	0 38	4 45	2 42	4 36	0 34	6 53	2 3	31 31	13 59	9 21	9 18	7 27		n.a.
T 29	11 47	15 10	5 15	0 24	3 10	25 27	2 40	19 19	0 50	24 23	0 38	4 43	2 42	4 38	0 34	6 53	2 3	31 31	14 0	9 20	9 17	7 25		n.a.
F 30	12n 7	11s53	4n56	0n 6	3s 7	25n36	2n41	19s20	0s54	24n23	0n38	4s42	2n42	4n39	0s34	6s52	2n 3	31s32	14s 0	9s21	9s16	7n23		n.a.

Julian Day Number = 1477891.5, Delta T = 05h25m16s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'55, Lahiri = -13°09'55 Julian Calendar 1 Apr. 667 BCE == Greg. Calendar 25 March 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

MAY 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 5 51	2♉20'08	29♒14	8♈36	16♊11	21°R35	2♋ 0	18°R 0	12♈57	22°R11	9♒35	23♎45	23♎29	1♍20	n.a.	S 1
S 2	14 9 48	3°17'25	13♓43	9°51	17°15	21♏23	2°10	17♎56	13° 0	22♎10	9°35	23°46	23°26	1°27	n.a.	S 2
M 3	14 13 45	4°14'42	28°15	11°10	18°19	21°10	2°19	17°52	13° 4	22° 8	9°35	23°47	23°23	1°34	n.a.	M 3
T 4	14 17 41	5°11'58	12♈46	12°32	19°22	20°57	2°29	17°47	13° 7	22° 6	9°36	23°47	23°20	1°40	n.a.	T 4
W 5	14 21 38	6° 9'13	27° 9	13°56	20°26	20°43	2°38	17°43	13°10	22° 5	9°36	23°R48	23°17	1°47	n.a.	W 5
T 6	14 25 34	7° 6'28	11♉20	15°24	21°29	20°28	2°48	17°39	13°13	22° 3	9°36	23°47	23°13	1°54	n.a.	T 6
F 7	14 29 31	8° 3'42	25°13	16°54	22°32	20°13	2°58	17°35	13°17	22° 2	9°37	23°46	23°10	2° 0	n.a.	F 7
S 8	14 33 27	9° 0'55	8♊47	18°27	23°34	19°57	3° 8	17°31	13°20	22° 0	9°37	23°44	23° 7	2° 7	n.a.	S 8
S 9	14 37 24	9°58'08	21°59	20° 3	24°37	19°41	3°18	17°27	13°23	21°59	9°37	23°42	23° 4	2°14	n.a.	S 9
M10	14 41 20	10°55'19	4♋51	21°41	25°39	19°25	3°28	17°23	13°26	21°57	9°37	23°40	23° 1	2°20	n.a.	M10
T 11	14 45 17	11°52'30	17°22	23°22	26°41	19° 8	3°38	17°20	13°29	21°56	9°37	23°38	22°58	2°27	n.a.	T 11
W12	14 49 14	12°49'40	29°38	25° 6	27°42	18°51	3°49	17°16	13°32	21°54	9°38	23°36	22°54	2°34	n.a.	W12
T 13	14 53 10	13°46'49	11♌40	26°53	28°43	18°33	3°59	17°12	13°35	21°53	9°38	23°D36	22°51	2°40	n.a.	T 13
F 14	14 57 7	14°43'58	23°35	28°42	29°44	18°16	4°10	17° 8	13°39	21°51	9°38	23°36	22°48	2°47	n.a.	F 14
S 15	15 1 3	15°41'06	5♍27	0♉34	0♋45	17°58	4°20	17° 5	13°42	21°50	9°38	23°37	22°45	2°54	n.a.	S 15
S 16	15 5 0	16°38'13	17°20	2°28	1°45	17°40	4°31	17° 1	13°45	21°48	9°38	23°39	22°42	3° 1	n.a.	S 16
M17	15 8 56	17°35'19	29°18	4°25	2°45	17°21	4°42	16°58	13°48	21°47	9°38	23°40	22°39	3° 7	n.a.	M17
T 18	15 12 53	18°32'25	11♎27	6°24	3°44	17° 3	4°52	16°54	13°51	21°45	9°R38	23°42	22°35	3°14	n.a.	T 18
W19	15 16 49	19°29'30	23°48	8°25	4°43	16°45	5° 3	16°51	13°54	21°44	9°38	23°R42	22°32	3°21	n.a.	W19
T 20	15 20 46	20°26'35	6♏25	10°28	5°42	16°26	5°14	16°47	13°57	21°43	9°38	23°41	22°29	3°27	n.a.	T 20
F 21	15 24 43	21°23'40	19°19	12°33	6°40	16° 8	5°25	16°44	14° 0	21°41	9°38	23°40	22°26	3°34	n.a.	F 21
S 22	15 28 39	22°20'45	2♐30	14°40	7°38	15°50	5°36	16°41	14° 2	21°40	9°38	23°36	22°23	3°41	n.a.	S 22
S 23	15 32 36	23°17'49	15°57	16°48	8°35	15°32	5°48	16°38	14° 5	21°39	9°38	23°32	22°19	3°47	n.a.	S 23
M24	15 36 32	24°14'54	29°38	18°57	9°32	15°14	5°59	16°35	14° 8	21°37	9°37	23°28	22°16	3°54	n.a.	M24
T 25	15 40 29	25°11'58	13♑30	21° 7	10°29	14°56	6°10	16°32	14°11	21°36	9°37	23°23	22°13	4° 1	n.a.	T 25
W26	15 44 25	26° 9'03	27°32	23°17	11°25	14°39	6°22	16°29	14°14	21°35	9°37	23°20	22°10	4° 7	n.a.	W26
T 27	15 48 22	27° 6'08	11♒39	25°27	12°21	14°22	6°33	16°26	14°17	21°33	9°37	23°17	22° 7	4°14	n.a.	T 27
F 28	15 52 18	28° 3'13	25°50	27°38	13°16	14° 5	6°45	16°23	14°19	21°32	9°37	23°D16	22° 4	4°21	n.a.	F 28
S 29	15 56 15	29° 0'18	10♓ 2	29°48	14°10	13°49	6°56	16°21	14°22	21°31	9°36	23°17	22° 0	4°28	n.a.	S 29
S 30	16 0 12	29°57'24	24°13	1♊58	15° 4	13°33	7° 8	16°18	14°25	21°30	9°36	23°18	21°57	4°34	n.a.	S 30
M31	16 4 8	0♊54'30	8♈22	4♊ 7	15♋58	13♏17	7♋19	16♎16	14♈27	21♎29	9♒36	23♎19	21♎54	4♍41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n27	7s52	4n18	0n39	3s 4	25n43	2n42	19s21	0s58	24n23	0n38	4s40	2n42	4n40	0s34	6s51	2n 3	31s32	14s 0	9s21	9s15	7n21		n.a.
S 2	12 47	3 21	3 24	1 13	2 59	25 51	2 42	19 21	1 2	24 23	0 38	4 39	2 42	4 41	0 34	6 51	2 3	31 32	14 1	9 21	9 14	7 19		n.a.
M 3	13 7	1n23	2 17	1 49	2 54	25 57	2 43	19 21	1 6	24 23	0 38	4 37	2 41	4 43	0 34	6 50	2 3	31 32	14 1	9 21	9 12	7 17		n.a.
T 4	13 26	6 2	1 1	2 26	2 49	26 3	2 43	19 22	1 10	24 23	0 38	4 36	2 41	4 44	0 34	6 50	2 3	31 33	14 1	9 22	9 11	7 16		n.a.
W 5	13 45	10 19	0s19	3 5	2 43	26 8	2 43	19 22	1 14	24 23	0 38	4 34	2 41	4 45	0 34	6 49	2 3	31 33	14 2	9 22	9 10	7 14		n.a.
T 6	14 5	13 55	1 36	3 45	2 36	26 13	2 43	19 21	1 17	24 22	0 38	4 33	2 41	4 47	0 34	6 49	2 3	31 33	14 2	9 21	9 9	7 12		n.a.
F 7	14 23	16 40	2 45	4 27	2 29	26 16	2 43	19 21	1 21	24 22	0 38	4 31	2 41	4 48	0 34	6 48	2 3	31 33	14 3	9 21	9 8	7 10		n.a.
S 8	14 42	18 23	3 44	5 10	2 21	26 20	2 43	19 21	1 25	24 22	0 38	4 30	2 41	4 49	0 34	6 47	2 3	31 34	14 3	9 20	9 6	7 8		n.a.
S 9	15 0	19 3	4 29	5 54	2 12	26 22	2 43	19 20	1 29	24 22	0 38	4 28	2 41	4 50	0 34	6 47	2 3	31 34	14 3	9 19	9 5	7 6		n.a.
M10	15 19	18 42	4 59	6 40	2 4	26 24	2 42	19 19	1 33	24 21	0 38	4 27	2 41	4 52	0 34	6 46	2 3	31 34	14 4	9 19	9 4	7 4		n.a.
T 11	15 37	17 27	5 14	7 26	1 54	26 25	2 42	19 19	1 38	24 21	0 38	4 26	2 40	4 53	0 34	6 46	2 3	31 35	14 4	9 18	9 3	7 2		n.a.
W12	15 54	15 24	5 14	8 13	1 45	26 26	2 41	19 18	1 42	24 21	0 38	4 24	2 40	4 54	0 34	6 45	2 3	31 35	14 4	9 17	9 2	7 0		n.a.
T 13	16 12	12 43	5 0	9 2	1 35	26 26	2 40	19 17	1 45	24 21	0 38	4 23	2 40	4 55	0 34	6 45	2 3	31 35	14 5	9 17	9 0	6 59		n.a.
F 14	16 29	9 33	4 34	9 51	1 25	26 25	2 39	19 15	1 49	24 20	0 38	4 22	2 40	4 56	0 34	6 44	2 3	31 36	14 5	9 17	8 59	6 57		n.a.
S 15	16 46	6 0	3 55	10 41	1 14	26 24	2 38	19 14	1 53	24 20	0 38	4 21	2 40	4 58	0 34	6 44	2 3	31 36	14 6	9 18	8 58	6 55		n.a.
S 16	17 3	2 13	3 7	11 31	1 3	26 22	2 36	19 13	1 57	24 20	0 38	4 19	2 40	4 59	0 34	6 43	2 3	31 36	14 6	9 18	8 57	6 53		n.a.
M17	17 19	1s42	2 10	12 21	0 52	26 20	2 35	19 11	2 1	24 19	0 38	4 18	2 39	5 0	0 34	6 43	2 3	31 37	14 6	9 19	8 56	6 51		n.a.
T 18	17 35	5 37	1 7	13 12	0 41	26 16	2 33	19 9	2 5	24 19	0 38	4 17	2 39	5 1	0 34	6 42	2 3	31 37	14 7	9 19	8 54	6 49		n.a.
W19	17 51	9 21	0n 1	14 2	0 30	26 13	2 32	19 8	2 9	24 19	0 38	4 16	2 39	5 2	0 34	6 42	2 3	31 37	14 7	9 20	8 53	6 47		n.a.
T 20	18 6	12 45	1 9	14 52	0 19	26 8	2 30	19 6	2 13	24 18	0 38	4 15	2 39	5 4	0 34	6 41	2 3	31 38	14 7	9 19	8 52	6 45		n.a.
F 21	18 22	15 37	2 16	15 42	0 8	26 3	2 27	19 4	2 16	24 18	0 38	4 14	2 39	5 5	0 34	6 41	2 2	31 38	14 8	9 19	8 51	6 44		n.a.
S 22	18 37	17 44	3 17	16 31	0n 3	25 58	2 25	19 2	2 20	24 17	0 38	4 13	2 39	5 6	0 34	6 40	2 2	31 38	14 8	9 17	8 50	6 42		n.a.
S 23	18 51	18 55	4 8	17 19	0 14	25 52	2 23	19 0	2 24	24 17	0 38	4 12	2 38	5 7	0 34	6 40	2 2	31 39	14 8	9 16	8 48	6 40		n.a.
M24	19 6	19 1	4 46	18 5	0 24	25 45	2 20	18 58	2 27	24 16	0 38	4 11	2 38	5 8	0 34	6 39	2 2	31 39	14 9	9 14	8 47	6 38		n.a.
T 25	19 20	17 59	5 8	18 50	0 35	25 38	2 17	18 56	2 31	24 16	0 38	4 10	2 38	5 9	0 34	6 39	2 2	31 39	14 9	9 13	8 46	6 36		n.a.
W26	19 34	15 52	5 11	19 34	0 44	25 30	2 14	18 54	2 34	24 15	0 38	4 9	2 38	5 10	0 34	6 38	2 2	31 40	14 9	9 11	8 45	6 34		n.a.
T 27	19 47	12 47	4 56	20 15	0 53	25 22	2 11	18 52	2 37	24 15	0 38	4 8	2 38	5 11	0 34	6 38	2 2	31 40	14 10	9 10	8 44	6 32		n.a.
F 28	20 0	8 57	4 23	20 55	1 2	25 13	2 8	18 50	2 41	24 14	0 38	4 7	2 37	5 12	0 34	6 38	2 2	31 41	14 10	9 10	8 42	6 30		n.a.
S 29	20 13	4 37	3 34	21 32	1 10	25 4	2 4	18 48	2 44	24 14	0 38	4 6	2 37	5 13	0 34	6 37	2 2	31 41	14 11	9 10	8 41	6 28		n.a.
S 30	20 25	0 0	2 32	22 7	1 18	24 54	2 1	18 46	2 47	24 13	0 38	4 5	2 37	5 14	0 34	6 37	2 2	31 41	14 11	9 11	8 40	6 27		n.a.
M31	20n38	4n36	1n21	22n39	1n25	24n44	1n57	18s45	2s50	24n12	0n38	4s 4	2n37	5n15	0s34	6s36	2n 2	31s42	14s11	9s11	8s39	6n25		n.a.

Julian Day Number = 1477921.5, Delta T = 05h25m15s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'51, Lahiri = -13°09'50 Julian Calendar 1 May 667 BCE == Greg. Calendar 24 Apr. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

JUNE 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 8 5	1♊51'36	22♈26	6♊15	16♋51	13°R 2	7♋31	16°R13	14♈30	21°R28	9°R36	23°R20	21♎51	4♍48	n.a.	T 1
W 2	16 12 1	2°48'43	6♉23	8°22	17°43	12♏48	7°43	16♎11	14°32	21♎26	9♒35	23♎19	21°48	4°54	n.a.	W 2
T 3	16 15 58	3°45'51	20°10	10°27	18°35	12°34	7°55	16° 8	14°35	21°25	9°35	23°17	21°45	5° 1	n.a.	T 3
F 4	16 19 54	4°42'58	3♊45	12°31	19°26	12°21	8° 7	16° 6	14°37	21°24	9°34	23°12	21°41	5° 8	n.a.	F 4
S 5	16 23 51	5°40'06	17° 4	14°34	20°17	12° 8	8°19	16° 4	14°40	21°23	9°34	23° 6	21°38	5°14	n.a.	S 5
S 6	16 27 48	6°37'14	0♋ 7	16°35	21° 6	11°56	8°31	16° 2	14°42	21°22	9°34	22°59	21°35	5°21	n.a.	S 6
M 7	16 31 44	7°34'23	12°53	18°34	21°55	11°45	8°43	16° 0	14°45	21°21	9°33	22°52	21°32	5°28	n.a.	M 7
T 8	16 35 41	8°31'31	25°21	20°31	22°44	11°35	8°55	15°58	14°47	21°20	9°33	22°44	21°29	5°34	n.a.	T 8
W 9	16 39 37	9°28'40	7♌35	22°27	23°31	11°25	9° 7	15°57	14°49	21°19	9°32	22°39	21°25	5°41	n.a.	W 9
T 10	16 43 34	10°25'49	19°37	24°21	24°18	11°16	9°19	15°55	14°52	21°18	9°32	22°34	21°22	5°48	n.a.	T 10
F 11	16 47 30	11°22'58	1♍31	26°13	25° 4	11° 8	9°32	15°53	14°54	21°17	9°31	22°32	21°19	5°54	n.a.	F 11
S 12	16 51 27	12°20'07	13°22	28° 3	25°49	11° 0	9°44	15°52	14°56	21°17	9°31	22°D31	21°16	6° 1	n.a.	S 12
S 13	16 55 23	13°17'16	25°15	29°51	26°34	10°54	9°56	15°50	14°58	21°16	9°30	22°32	21°13	6° 8	n.a.	S 13
M14	16 59 20	14°14'26	7♎14	1♋38	27°17	10°48	10° 9	15°49	15° 1	21°15	9°29	22°33	21°10	6°14	n.a.	M14
T 15	17 3 17	15°11'36	19°25	3°22	27°59	10°43	10°21	15°48	15° 3	21°14	9°29	22°R34	21° 6	6°21	n.a.	T 15
W16	17 7 13	16° 8'47	1♏53	5° 5	28°41	10°39	10°34	15°47	15° 5	21°13	9°28	22°34	21° 3	6°28	n.a.	W16
T 17	17 11 10	17° 5'58	14°40	6°46	29°21	10°36	10°46	15°46	15° 7	21°13	9°27	22°31	21° 0	6°35	n.a.	T 17
F 18	17 15 6	18° 3'10	27°49	8°25	0♌ 0	10°33	10°59	15°45	15° 9	21°12	9°27	22°27	20°57	6°41	n.a.	F 18
S 19	17 19 3	19° 0'22	11♐20	10° 2	0°38	10°32	11°11	15°44	15°11	21°11	9°26	22°20	20°54	6°48	n.a.	S 19
S 20	17 22 59	19°57'35	25°11	11°37	1°15	10°D31	11°24	15°43	15°13	21°10	9°25	22°12	20°50	6°55	n.a.	S 20
M21	17 26 56	20°54'49	9♑19	13°11	1°51	10°31	11°37	15°42	15°14	21°10	9°25	22° 3	20°47	7° 1	n.a.	M21
T 22	17 30 52	21°52'04	23°38	14°43	2°26	10°32	11°49	15°42	15°16	21° 9	9°24	21°54	20°44	7° 8	n.a.	T 22
W23	17 34 49	22°49'20	8♒ 4	16°13	2°59	10°34	12° 2	15°41	15°18	21° 9	9°23	21°46	20°41	7°15	n.a.	W23
T 24	17 38 46	23°46'37	22°29	17°41	3°31	10°36	12°15	15°41	15°20	21° 8	9°22	21°41	20°38	7°21	n.a.	T 24
F 25	17 42 42	24°43'55	6♓50	19° 7	4° 1	10°40	12°28	15°41	15°21	21° 8	9°22	21°37	20°35	7°28	n.a.	F 25
S 26	17 46 39	25°41'14	21° 3	20°31	4°30	10°44	12°40	15°40	15°23	21° 7	9°21	21°D36	20°31	7°35	n.a.	S 26
S 27	17 50 35	26°38'34	5♈ 7	21°53	4°58	10°49	12°53	15°40	15°25	21° 7	9°20	21°36	20°28	7°41	n.a.	S 27
M28	17 54 32	27°35'56	19° 1	23°13	5°23	10°55	13° 6	15°D40	15°26	21° 6	9°19	21°R36	20°25	7°48	n.a.	M28
T 29	17 58 28	28°33'19	2♉44	24°31	5°48	11° 1	13°19	15°40	15°28	21° 6	9°18	21°36	20°22	7°55	n.a.	T 29
W30	18 2 25	29♊30'44	16♉18	25♋47	6♌10	11♏ 9	13♋32	15♎41	15♈29	21♎ 5	9♒17	21♎34	20♎19	8♍ 1	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n49	8n56	0n 5	23n 8	1n31	24n33	1n53	18s43	2s53	24n12	0n38	4s 4	2n36	5n16	0s34	6s36	2n 2	31s42	14s12	9s11	8s38	6n23		n.a.
W 2	21 1	12 44	1s10	23 35	1 36	24 22	1 48	18 41	2 56	24 11	0 38	4 3	2 36	5 17	0 34	6 36	2 2	31 43	14 12	9 11	8 36	6 21		n.a.
T 3	21 12	15 47	2 21	23 59	1 41	24 11	1 44	18 39	2 59	24 10	0 38	4 2	2 36	5 18	0 34	6 35	2 2	31 43	14 12	9 10	8 35	6 19		n.a.
F 4	21 23	17 54	3 21	24 21	1 45	23 59	1 39	18 38	3 1	24 10	0 39	4 2	2 36	5 19	0 34	6 35	2 2	31 44	14 13	9 8	8 34	6 17		n.a.
S 5	21 33	18 59	4 10	24 40	1 48	23 46	1 34	18 36	3 4	24 9	0 39	4 1	2 36	5 20	0 34	6 34	2 2	31 44	14 13	9 6	8 33	6 15		n.a.
S 6	21 43	19 2	4 44	24 56	1 51	23 34	1 29	18 35	3 6	24 8	0 39	4 1	2 35	5 21	0 34	6 34	2 2	31 44	14 13	9 3	8 32	6 13		n.a.
M 7	21 53	18 6	5 4	25 9	1 53	23 20	1 24	18 33	3 9	24 7	0 39	4 0	2 35	5 22	0 34	6 34	2 2	31 45	14 14	9 1	8 30	6 11		n.a.
T 8	22 2	16 19	5 8	25 20	1 55	23 7	1 18	18 32	3 11	24 7	0 39	3 59	2 35	5 23	0 34	6 33	2 2	31 45	14 14	8 58	8 29	6 10		n.a.
W 9	22 11	13 50	4 58	25 28	1 55	22 53	1 13	18 31	3 13	24 6	0 39	3 59	2 35	5 24	0 34	6 33	2 2	31 46	14 14	8 56	8 28	6 8		n.a.
T 10	22 19	10 47	4 35	25 34	1 55	22 39	1 7	18 30	3 15	24 5	0 39	3 59	2 34	5 25	0 34	6 33	2 2	31 46	14 15	8 54	8 27	6 6		n.a.
F 11	22 28	7 21	4 0	25 38	1 55	22 24	1 0	18 30	3 17	24 4	0 39	3 58	2 34	5 26	0 34	6 33	2 2	31 47	14 15	8 53	8 26	6 4		n.a.
S 12	22 35	3 38	3 15	25 39	1 53	22 10	0 54	18 29	3 19	24 3	0 39	3 58	2 34	5 27	0 34	6 32	2 1	31 47	14 15	8 53	8 24	6 2		n.a.
S 13	22 43	0s15	2 22	25 38	1 52	21 55	0 47	18 29	3 21	24 2	0 39	3 58	2 34	5 27	0 34	6 32	2 1	31 48	14 16	8 53	8 23	6 0		n.a.
M14	22 50	4 9	1 22	25 35	1 49	21 39	0 40	18 29	3 23	24 2	0 39	3 57	2 33	5 28	0 34	6 32	2 1	31 48	14 16	8 54	8 22	5 58		n.a.
T 15	22 56	7 58	0 17	25 30	1 46	21 24	0 33	18 28	3 24	24 1	0 39	3 57	2 33	5 29	0 34	6 31	2 1	31 49	14 16	8 54	8 21	5 56		n.a.
W16	23 2	11 31	0n50	25 23	1 43	21 8	0 26	18 29	3 26	24 0	0 39	3 57	2 33	5 30	0 34	6 31	2 1	31 49	14 17	8 54	8 20	5 54		n.a.
T 17	23 8	14 37	1 56	25 15	1 39	20 52	0 18	18 29	3 27	23 59	0 39	3 57	2 33	5 31	0 34	6 31	2 1	31 50	14 17	8 53	8 18	5 53		n.a.
F 18	23 14	17 4	2 57	25 4	1 34	20 36	0 10	18 30	3 29	23 58	0 39	3 56	2 32	5 31	0 34	6 31	2 1	31 50	14 17	8 51	8 17	5 51		n.a.
S 19	23 19	18 39	3 51	24 52	1 29	20 20	0 2	18 30	3 30	23 57	0 39	3 56	2 32	5 32	0 34	6 31	2 1	31 51	14 17	8 49	8 16	5 49		n.a.
S 20	23 23	19 10	4 32	24 39	1 24	20 3	0s 6	18 31	3 31	23 56	0 39	3 56	2 32	5 33	0 34	6 30	2 1	31 51	14 18	8 46	8 15	5 47		n.a.
M21	23 27	18 30	4 57	24 24	1 18	19 47	0 15	18 32	3 33	23 55	0 39	3 56	2 32	5 34	0 34	6 30	2 1	31 52	14 18	8 42	8 14	5 45		n.a.
T 22	23 31	16 41	5 4	24 8	1 12	19 30	0 24	18 34	3 34	23 53	0 39	3 56	2 31	5 34	0 34	6 30	2 1	31 52	14 18	8 39	8 12	5 43		n.a.
W23	23 35	13 48	4 52	23 51	1 5	19 14	0 33	18 35	3 35	23 52	0 39	3 56	2 31	5 35	0 34	6 30	2 1	31 53	14 19	8 36	8 11	5 41		n.a.
T 24	23 37	10 5	4 22	23 33	0 58	18 57	0 42	18 37	3 36	23 51	0 39	3 56	2 31	5 36	0 34	6 30	2 1	31 53	14 19	8 34	8 10	5 39		n.a.
F 25	23 40	5 48	3 35	23 13	0 50	18 40	0 52	18 39	3 36	23 50	0 39	3 57	2 30	5 36	0 34	6 30	2 1	31 54	14 19	8 32	8 9	5 37		n.a.
S 26	23 42	1 13	2 35	22 53	0 43	18 24	1 2	18 41	3 37	23 49	0 40	3 57	2 30	5 37	0 34	6 29	2 1	31 54	14 19	8 32	8 7	5 35		n.a.
S 27	23 44	3n23	1 27	22 32	0 34	18 7	1 12	18 43	3 38	23 48	0 40	3 57	2 30	5 37	0 34	6 29	2 1	31 55	14 20	8 32	8 6	5 34		n.a.
M28	23 45	7 46	0 14	22 10	0 26	17 51	1 23	18 46	3 39	23 47	0 40	3 57	2 30	5 38	0 34	6 29	2 0	31 55	14 20	8 32	8 5	5 32		n.a.
T 29	23 46	11 40	0s59	21 48	0 17	17 34	1 34	18 48	3 39	23 45	0 40	3 58	2 29	5 39	0 34	6 29	2 0	31 56	14 20	8 32	8 4	5 30		n.a.
W30	23n46	14n55	2s 7	21n24	0n 8	17n18	1s45	18s51	3s40	23n44	0n40	3s58	2n29	5n39	0s34	6s29	2n 0	31s56	14s20	8s31	8s 3	5n28		n.a.

Julian Day Number = 1477952.5, Delta T = 05h25m13s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'47, Lahiri = -13°09'46 Julian Calendar 1 June 667 BCE == Greg. Calendar 25 May 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

JULY 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 6 21	0♋28'10	29♉41	27♋ 1	6♌31	11♏17	13♋45	15♎41	15♈31	21°R 5	9°R16	21°R29	20♎16	8♍ 8	n.a.	T 1
F 2	18 10 18	1°25'37	12♊53	28°13	6°51	11°26	13°58	15°41	15°32	21♎ 5	9♒15	21♎21	20°12	8°15	n.a.	F 2
S 3	18 14 15	2°23'05	25°52	29°22	7° 8	11°35	14°11	15°42	15°33	21° 5	9°14	21°11	20° 9	8°21	n.a.	S 3
S 4	18 18 11	3°20'35	8♋40	0♌30	7°23	11°46	14°24	15°42	15°35	21° 4	9°13	20°59	20° 6	8°28	n.a.	S 4
M 5	18 22 8	4°18'06	21°13	1°34	7°37	11°57	14°37	15°43	15°36	21° 4	9°12	20°47	20° 3	8°35	n.a.	M 5
T 6	18 26 4	5°15'38	3♌34	2°36	7°48	12° 9	14°50	15°44	15°37	21° 4	9°12	20°35	20° 0	8°42	n.a.	T 6
W 7	18 30 1	6°13'11	15°42	3°36	7°58	12°22	15° 3	15°45	15°38	21° 4	9°11	20°24	19°56	8°48	n.a.	W 7
T 8	18 33 57	7°10'45	27°41	4°32	8° 5	12°35	15°16	15°45	15°39	21° 4	9° 9	20°16	19°53	8°55	n.a.	T 8
F 9	18 37 54	8° 8'20	9♍32	5°26	8°10	12°49	15°29	15°47	15°40	21° 4	9° 8	20°11	19°50	9° 2	n.a.	F 9
S 10	18 41 50	9° 5'57	21°21	6°16	8°13	13° 4	15°42	15°48	15°41	21° 4	9° 7	20° 7	19°47	9° 8	n.a.	S 10
S 11	18 45 47	10° 3'34	3♎12	7° 4	8°R13	13°19	15°55	15°49	15°42	21°D 4	9° 6	20° 6	19°44	9°15	n.a.	S 11
M12	18 49 44	11° 1'13	15° 9	7°47	8°11	13°35	16° 8	15°50	15°43	21° 4	9° 5	20° 6	19°41	9°22	n.a.	M12
T 13	18 53 40	11°58'53	27°20	8°28	8° 7	13°52	16°21	15°52	15°44	21° 4	9° 4	20° 6	19°37	9°28	n.a.	T 13
W14	18 57 37	12°56'34	9♏48	9° 4	8° 1	14°10	16°34	15°53	15°45	21° 4	9° 3	20° 5	19°34	9°35	n.a.	W14
T 15	19 1 33	13°54'16	22°38	9°36	7°52	14°28	16°47	15°55	15°46	21° 4	9° 2	20° 2	19°31	9°42	n.a.	T 15
F 16	19 5 30	14°52'00	5♐55	10° 4	7°40	14°46	17° 1	15°57	15°46	21° 4	9° 1	19°56	19°28	9°48	n.a.	F 16
S 17	19 9 26	15°49'45	19°38	10°28	7°27	15° 5	17°14	15°58	15°47	21° 4	9° 0	19°48	19°25	9°55	n.a.	S 17
S 18	19 13 23	16°47'31	3♑46	10°47	7°11	15°25	17°27	16° 0	15°48	21° 4	8°59	19°38	19°22	10° 2	n.a.	S 18
M19	19 17 20	17°45'19	18°16	11° 0	6°52	15°46	17°40	16° 2	15°48	21° 5	8°58	19°26	19°18	10° 8	n.a.	M19
T 20	19 21 16	18°43'09	3♒ 0	11° 9	6°32	16° 7	17°53	16° 4	15°49	21° 5	8°56	19°15	19°15	10°15	n.a.	T 20
W21	19 25 13	19°41'00	17°51	11°R12	6° 9	16°28	18° 6	16° 6	15°49	21° 5	8°55	19° 5	19°12	10°22	n.a.	W21
T 22	19 29 9	20°38'53	2♓40	11°10	5°44	16°50	18°19	16° 9	15°50	21° 6	8°54	18°58	19° 9	10°28	n.a.	T 22
F 23	19 33 6	21°36'48	17°19	11° 1	5°17	17°13	18°32	16°11	15°50	21° 6	8°53	18°53	19° 6	10°35	n.a.	F 23
S 24	19 37 2	22°34'45	1♈43	10°47	4°48	17°36	18°46	16°13	15°50	21° 6	8°52	18°51	19° 2	10°42	n.a.	S 24
S 25	19 40 59	23°32'44	15°51	10°26	4°18	17°59	18°59	16°16	15°51	21° 7	8°50	18°50	18°59	10°48	n.a.	S 25
M26	19 44 55	24°30'45	29°41	10° 0	3°46	18°23	19°12	16°19	15°51	21° 7	8°49	18°50	18°56	10°55	n.a.	M26
T 27	19 48 52	25°28'48	13♉14	9°28	3°13	18°48	19°25	16°21	15°51	21° 8	8°48	18°49	18°53	11° 2	n.a.	T 27
W28	19 52 48	26°26'53	26°32	8°50	2°39	19°13	19°38	16°24	15°51	21° 8	8°47	18°47	18°50	11° 8	n.a.	W28
T 29	19 56 45	27°25'00	9♊37	8° 7	2° 3	19°38	19°51	16°27	15°51	21° 9	8°46	18°41	18°47	11°15	n.a.	T 29
F 30	20 0 42	28°23'09	22°29	7°18	1°27	20° 4	20° 4	16°30	15°R51	21°10	8°44	18°33	18°43	11°22	n.a.	F 30
S 31	20 4 38	29♋21'21	5♋ 9	6♌26	0♌51	20♏30	20♋17	16♎33	15♈51	21♎10	8♒43	18♎22	18♎40	11♍28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n46	17n18	3s 8	21n 1	0s 2	17n 2	1s56	18s54	3s40	23n43	0n40	3s58	2n29	5n40	0s34	6s29	2n 0	31s57	14s21	8s29	8s 1	5n26			n.a.
F 2	23 46	18 44	3 57	20 37	0 12	16 46	2 8	18 57	3 41	23 41	0 40	3 59	2 29	5 40	0 34	6 29	2 0	31 57	14 21	8 26	8 0	5 24			n.a.
S 3	23 45	19 10	4 33	20 13	0 22	16 30	2 20	19 1	3 41	23 40	0 40	3 59	2 28	5 41	0 34	6 29	2 0	31 58	14 21	8 23	7 59	5 22			n.a.
S 4	23 44	18 35	4 55	19 48	0 32	16 14	2 32	19 4	3 41	23 39	0 40	4 0	2 28	5 41	0 34	6 29	2 0	31 58	14 21	8 18	7 58	5 20			n.a.
M 5	23 42	17 7	5 1	19 24	0 42	15 59	2 44	19 8	3 42	23 37	0 40	4 0	2 28	5 42	0 34	6 29	2 0	31 59	14 22	8 13	7 57	5 18			n.a.
T 6	23 40	14 52	4 54	18 59	0 53	15 44	2 56	19 12	3 42	23 36	0 40	4 1	2 27	5 42	0 34	6 29	2 0	31 59	14 22	8 9	7 55	5 16			n.a.
W 7	23 37	12 0	4 33	18 35	1 4	15 29	3 9	19 16	3 42	23 35	0 40	4 1	2 27	5 43	0 34	6 29	2 0	32 0	14 22	8 5	7 54	5 15			n.a.
T 8	23 35	8 41	4 0	18 11	1 15	15 15	3 22	19 21	3 42	23 33	0 40	4 2	2 27	5 43	0 35	6 29	2 0	32 0	14 22	8 2	7 53	5 13			n.a.
F 9	23 31	5 3	3 17	17 47	1 26	15 1	3 35	19 25	3 42	23 32	0 40	4 2	2 27	5 43	0 35	6 29	2 0	32 1	14 23	8 0	7 52	5 11			n.a.
S 10	23 27	1 14	2 26	17 23	1 38	14 47	3 48	19 30	3 42	23 30	0 40	4 3	2 26	5 44	0 35	6 29	2 0	32 1	14 23	7 58	7 50	5 9			n.a.
S 11	23 23	2s38	1 28	17 0	1 49	14 34	4 2	19 34	3 42	23 29	0 41	4 4	2 26	5 44	0 35	6 29	2 0	32 2	14 23	7 58	7 49	5 7			n.a.
M12	23 19	6 27	0 26	16 38	2 1	14 22	4 15	19 39	3 42	23 27	0 41	4 5	2 26	5 44	0 35	6 29	2 0	32 2	14 23	7 58	7 48	5 5			n.a.
T 13	23 13	10 4	0n38	16 16	2 12	14 10	4 29	19 44	3 42	23 26	0 41	4 5	2 26	5 45	0 35	6 29	1 59	32 3	14 23	7 58	7 47	5 3			n.a.
W14	23 8	13 20	1 42	15 56	2 24	13 58	4 42	19 50	3 42	23 24	0 41	4 6	2 25	5 45	0 35	6 29	1 59	32 3	14 24	7 57	7 46	5 1			n.a.
T 15	23 2	16 4	2 43	15 36	2 35	13 47	4 56	19 55	3 41	23 23	0 41	4 7	2 25	5 45	0 35	6 29	1 59	32 4	14 24	7 56	7 44	4 59			n.a.
F 16	22 56	18 2	3 37	15 18	2 47	13 37	5 10	20 0	3 41	23 21	0 41	4 8	2 25	5 46	0 35	6 30	1 59	32 4	14 24	7 54	7 43	4 57			n.a.
S 17	22 49	19 2	4 20	15 0	2 58	13 28	5 23	20 6	3 41	23 19	0 41	4 9	2 25	5 46	0 35	6 30	1 59	32 5	14 24	7 51	7 42	4 56			n.a.
S 18	22 42	18 54	4 49	14 45	3 9	13 19	5 37	20 12	3 40	23 18	0 41	4 10	2 24	5 46	0 35	6 30	1 59	32 5	14 24	7 47	7 41	4 54			n.a.
M19	22 35	17 33	5 0	14 31	3 20	13 10	5 50	20 17	3 40	23 16	0 41	4 11	2 24	5 46	0 35	6 30	1 59	32 6	14 24	7 43	7 40	4 52			n.a.
T 20	22 27	15 1	4 52	14 19	3 30	13 3	6 3	20 23	3 40	23 14	0 41	4 12	2 24	5 46	0 35	6 30	1 59	32 6	14 25	7 38	7 38	4 50			n.a.
W21	22 18	11 30	4 24	14 8	3 40	12 56	6 16	20 29	3 39	23 13	0 41	4 13	2 23	5 47	0 35	6 30	1 59	32 7	14 25	7 35	7 37	4 48			n.a.
T 22	22 10	7 17	3 38	14 0	3 49	12 50	6 28	20 35	3 39	23 11	0 41	4 14	2 23	5 47	0 35	6 31	1 59	32 7	14 25	7 32	7 36	4 46			n.a.
F 23	22 1	2 39	2 38	13 54	3 57	12 45	6 40	20 42	3 38	23 9	0 42	4 15	2 23	5 47	0 35	6 31	1 59	32 8	14 25	7 30	7 35	4 44			n.a.
S 24	21 51	2n 3	1 29	13 51	4 5	12 40	6 52	20 48	3 38	23 8	0 42	4 17	2 23	5 47	0 35	6 31	1 59	32 8	14 25	7 29	7 33	4 42			n.a.
S 25	21 41	6 34	0 16	13 50	4 11	12 36	7 3	20 54	3 37	23 6	0 42	4 18	2 22	5 47	0 35	6 31	1 59	32 8	14 25	7 29	7 32	4 40			n.a.
M26	21 31	10 38	0s57	13 52	4 17	12 34	7 13	21 0	3 37	23 4	0 42	4 19	2 22	5 47	0 35	6 31	1 59	32 9	14 25	7 29	7 31	4 38			n.a.
T 27	21 20	14 2	2 5	13 56	4 21	12 31	7 23	21 7	3 36	23 2	0 42	4 20	2 22	5 47	0 35	6 32	1 59	32 9	14 26	7 28	7 30	4 37			n.a.
W28	21 9	16 39	3 5	14 4	4 24	12 30	7 32	21 13	3 36	23 0	0 42	4 22	2 22	5 47	0 35	6 32	1 58	32 10	14 26	7 27	7 29	4 35			n.a.
T 29	20 58	18 20	3 54	14 14	4 25	12 30	7 41	21 20	3 35	22 59	0 42	4 23	2 21	5 47	0 35	6 32	1 58	32 10	14 26	7 25	7 27	4 33			n.a.
F 30	20 46	19 3	4 31	14 26	4 24	12 30	7 48	21 27	3 34	22 57	0 42	4 24	2 21	5 47	0 35	6 33	1 58	32 11	14 26	7 22	7 26	4 31			n.a.
S 31	20n34	18n48	4s53	14n42	4s22	12n31	7s55	21s33	3s34	22n55	0n42	4s26	2n21	5n47	0s35	6s33	1n58	32s11	14s26	7s18	7s25	4n29			n.a.

Julian Day Number = 1477982.5, Delta T = 05h25m12s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'43, Lahiri = -13°09'42 Julian Calendar 1 July 667 BCE == Greg. Calendar 24 June 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

AUGUST 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 8 35	0♌19'34	17♋39	5°R31	0°R14	20♏57	20♋30	16♎36	15°R51	21♎11	8°R42	18°R10	18♎37	11♍35	n.a.	S 1
M 2	20 12 31	1°17'49	29°59	4♌33	29♋37	21°25	20°43	16°39	15♈51	21°12	8♒41	17♎56	18°34	11°42	n.a.	M 2
T 3	20 16 28	2°16'06	12♌ 8	3°35	29° 1	21°52	20°56	16°43	15°51	21°12	8°39	17°43	18°31	11°48	n.a.	T 3
W 4	20 20 24	3°14'25	24° 9	2°36	28°24	22°20	21° 9	16°46	15°50	21°13	8°38	17°32	18°28	11°55	n.a.	W 4
T 5	20 24 21	4°12'46	6♍ 3	1°39	27°49	22°49	21°22	16°50	15°50	21°14	8°37	17°23	18°24	12° 2	n.a.	T 5
F 6	20 28 17	5°11'08	17°52	0°44	27°14	23°18	21°35	16°53	15°50	21°15	8°36	17°16	18°21	12° 8	n.a.	F 6
S 7	20 32 14	6° 9'32	29°38	29♋54	26°41	23°47	21°48	16°57	15°49	21°16	8°34	17°13	18°18	12°15	n.a.	S 7
S 8	20 36 11	7° 7'58	11♎27	29° 9	26° 9	24°16	22° 1	17° 0	15°49	21°16	8°33	17°11	18°15	12°22	n.a.	S 8
M 9	20 40 7	8° 6'26	23°23	28°30	25°38	24°46	22°14	17° 4	15°49	21°17	8°32	17°D11	18°12	12°29	n.a.	M 9
T 10	20 44 4	9° 4'56	5♏31	27°59	25° 9	25°17	22°27	17° 8	15°48	21°18	8°31	17°R12	18° 8	12°35	n.a.	T 10
W11	20 48 0	10° 3'27	17°57	27°36	24°42	25°48	22°39	17°12	15°47	21°19	8°29	17°11	18° 5	12°42	n.a.	W11
T 12	20 51 57	11° 2'00	0♐44	27°21	24°17	26°19	22°52	17°16	15°47	21°20	8°28	17°10	18° 2	12°49	n.a.	T 12
F 13	20 55 53	12° 0'35	13°59	27°D16	23°53	26°50	23° 5	17°20	15°46	21°21	8°27	17° 6	17°59	12°55	n.a.	F 13
S 14	20 59 50	12°59'12	27°42	27°20	23°32	27°22	23°18	17°24	15°45	21°22	8°26	16°59	17°56	13° 2	n.a.	S 14
S 15	21 3 46	13°57'51	11♑55	27°34	23°14	27°54	23°30	17°29	15°45	21°23	8°24	16°51	17°53	13° 9	n.a.	S 15
M16	21 7 43	14°56'31	26°34	27°58	22°57	28°26	23°43	17°33	15°44	21°25	8°23	16°42	17°49	13°15	n.a.	M16
T 17	21 11 40	15°55'14	11♒33	28°30	22°43	28°59	23°56	17°37	15°43	21°26	8°22	16°32	17°46	13°22	n.a.	T 17
W18	21 15 36	16°53'58	26°41	29°11	22°31	29°31	24° 8	17°42	15°42	21°27	8°21	16°24	17°43	13°29	n.a.	W18
T 19	21 19 33	17°52'45	11♓50	0♌ 1	22°22	0♐ 5	24°21	17°46	15°41	21°28	8°20	16°18	17°40	13°35	n.a.	T 19
F 20	21 23 29	18°51'34	26°50	0°59	22°15	0°38	24°33	17°51	15°40	21°29	8°18	16°14	17°37	13°42	n.a.	F 20
S 21	21 27 26	19°50'25	11♈32	2° 4	22°11	1°12	24°46	17°56	15°39	21°31	8°17	16°D13	17°34	13°49	n.a.	S 21
S 22	21 31 22	20°49'18	25°53	3°15	22°D 9	1°46	24°58	18° 0	15°38	21°32	8°16	16°13	17°30	13°55	n.a.	S 22
M23	21 35 19	21°48'14	9♉50	4°33	22° 9	2°20	25°11	18° 5	15°37	21°33	8°15	16°14	17°27	14° 2	n.a.	M23
T 24	21 39 15	22°47'13	23°25	5°55	22°12	2°54	25°23	18°10	15°35	21°35	8°13	16°R14	17°24	14° 9	n.a.	T 24
W25	21 43 12	23°46'14	6♊38	7°23	22°17	3°29	25°35	18°15	15°34	21°36	8°12	16°13	17°21	14°15	n.a.	W25
T 26	21 47 8	24°45'17	19°33	8°54	22°24	4° 4	25°48	18°20	15°33	21°37	8°11	16°10	17°18	14°22	n.a.	T 26
F 27	21 51 5	25°44'23	2♋12	10°29	22°34	4°39	26° 0	18°25	15°32	21°39	8°10	16° 5	17°14	14°29	n.a.	F 27
S 28	21 55 2	26°43'32	14°39	12° 7	22°46	5°15	26°12	18°30	15°30	21°40	8° 9	15°58	17°11	14°35	n.a.	S 28
S 29	21 58 58	27°42'42	26°54	13°47	23° 0	5°50	26°24	18°36	15°29	21°42	8° 8	15°50	17° 8	14°42	n.a.	S 29
M30	22 2 55	28°41'55	9♌ 1	15°29	23°15	6°26	26°36	18°41	15°27	21°43	8° 6	15°40	17° 5	14°49	n.a.	M30
T 31	22 6 51	29♌41'10	21♌ 1	17♌13	23♋33	7♐ 2	26♋48	18♎46	15♈26	21♎45	8♒ 5	15♎31	17♎ 2	14♍55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	20n22	17n37	5s 1	15n 0	4s17	12n32	8s 1	21s40	3s33	22n53	0n42	4s27	2n21	5n47	0s35	6s33	1n58	32s12	14s26	7s13	7s24	4n27			n.a.
M 2	20 9	15 39	4 54	15 20	4 11	12 35	8 7	21 46	3 32	22 51	0 42	4 29	2 20	5 47	0 35	6 33	1 58	32 12	14 26	7 8	7 22	4 25			n.a.
T 3	19 56	13 0	4 34	15 42	4 3	12 38	8 11	21 53	3 32	22 49	0 43	4 30	2 20	5 47	0 35	6 34	1 58	32 12	14 26	7 3	7 21	4 23			n.a.
W 4	19 42	9 51	4 2	16 5	3 52	12 42	8 14	22 0	3 31	22 47	0 43	4 32	2 20	5 47	0 35	6 34	1 58	32 13	14 26	6 59	7 20	4 21			n.a.
T 5	19 28	6 19	3 20	16 30	3 40	12 46	8 17	22 7	3 30	22 45	0 43	4 33	2 20	5 47	0 35	6 35	1 58	32 13	14 26	6 55	7 19	4 19			n.a.
F 6	19 14	2 35	2 29	16 55	3 26	12 51	8 19	22 13	3 29	22 43	0 43	4 35	2 19	5 46	0 35	6 35	1 58	32 14	14 26	6 52	7 18	4 17			n.a.
S 7	19 0	1s15	1 32	17 21	3 11	12 56	8 19	22 20	3 28	22 41	0 43	4 37	2 19	5 46	0 35	6 35	1 58	32 14	14 26	6 51	7 16	4 16			n.a.
S 8	18 45	5 4	0 30	17 46	2 55	13 2	8 19	22 27	3 28	22 39	0 43	4 38	2 19	5 46	0 35	6 36	1 58	32 15	14 26	6 50	7 15	4 14			n.a.
M 9	18 30	8 42	0n33	18 11	2 37	13 9	8 18	22 34	3 27	22 37	0 43	4 40	2 19	5 46	0 35	6 36	1 58	32 15	14 26	6 50	7 14	4 12			n.a.
T 10	18 14	12 2	1 36	18 35	2 19	13 16	8 17	22 40	3 26	22 35	0 43	4 42	2 18	5 46	0 35	6 36	1 58	32 15	14 26	6 51	7 13	4 10			n.a.
W11	17 58	14 55	2 36	18 58	2 0	13 23	8 14	22 47	3 25	22 33	0 43	4 43	2 18	5 45	0 35	6 37	1 58	32 16	14 27	6 51	7 11	4 8			n.a.
T 12	17 42	17 9	3 31	19 20	1 41	13 30	8 11	22 54	3 24	22 31	0 44	4 45	2 18	5 45	0 35	6 37	1 57	32 16	14 27	6 50	7 10	4 6			n.a.
F 13	17 26	18 34	4 15	19 39	1 22	13 38	8 7	23 1	3 23	22 29	0 44	4 47	2 18	5 45	0 35	6 38	1 57	32 16	14 27	6 48	7 9	4 4			n.a.
S 14	17 9	18 58	4 47	19 57	1 3	13 46	8 2	23 7	3 22	22 27	0 44	4 49	2 18	5 44	0 35	6 38	1 57	32 17	14 27	6 46	7 8	4 2			n.a.
S 15	16 52	18 12	5 3	20 12	0 45	13 54	7 57	23 14	3 21	22 25	0 44	4 51	2 17	5 44	0 35	6 39	1 57	32 17	14 27	6 43	7 6	4 0			n.a.
M16	16 35	16 14	5 0	20 25	0 28	14 3	7 51	23 20	3 20	22 23	0 44	4 52	2 17	5 44	0 35	6 39	1 57	32 18	14 27	6 39	7 5	3 58			n.a.
T 17	16 17	13 8	4 36	20 34	0 11	14 11	7 45	23 27	3 19	22 21	0 44	4 54	2 17	5 43	0 35	6 40	1 57	32 18	14 27	6 35	7 4	3 57			n.a.
W18	15 59	9 9	3 53	20 41	0n 5	14 20	7 38	23 33	3 18	22 19	0 44	4 56	2 17	5 43	0 35	6 40	1 57	32 18	14 27	6 32	7 3	3 55			n.a.
T 19	15 41	4 33	2 53	20 45	0 20	14 29	7 31	23 39	3 17	22 17	0 44	4 58	2 16	5 43	0 35	6 41	1 57	32 19	14 26	6 30	7 2	3 53			n.a.
F 20	15 23	0n17	1 42	20 46	0 34	14 37	7 23	23 46	3 16	22 14	0 45	5 0	2 16	5 42	0 35	6 41	1 57	32 19	14 26	6 28	7 0	3 51			n.a.
S 21	15 4	5 0	0 25	20 44	0 47	14 46	7 15	23 52	3 15	22 12	0 45	5 2	2 16	5 42	0 36	6 42	1 57	32 19	14 26	6 28	6 59	3 49			n.a.
S 22	14 45	9 20	0s52	20 38	0 58	14 54	7 6	23 58	3 14	22 10	0 45	5 4	2 16	5 41	0 36	6 42	1 57	32 19	14 26	6 28	6 58	3 47			n.a.
M23	14 26	13 1	2 4	20 30	1 8	15 3	6 58	24 4	3 13	22 8	0 45	5 6	2 16	5 41	0 36	6 43	1 57	32 20	14 26	6 28	6 57	3 45			n.a.
T 24	14 7	15 53	3 6	20 18	1 18	15 11	6 49	24 10	3 12	22 6	0 45	5 8	2 15	5 40	0 36	6 43	1 57	32 20	14 26	6 28	6 55	3 43			n.a.
W25	13 47	17 49	3 57	20 4	1 26	15 20	6 40	24 16	3 11	22 4	0 45	5 10	2 15	5 40	0 36	6 44	1 57	32 20	14 26	6 28	6 54	3 41			n.a.
T 26	13 27	18 47	4 35	19 46	1 33	15 28	6 31	24 22	3 10	22 1	0 45	5 12	2 15	5 39	0 36	6 45	1 57	32 21	14 26	6 27	6 53	3 39			n.a.
F 27	13 7	18 47	4 58	19 26	1 38	15 35	6 21	24 27	3 9	21 59	0 46	5 15	2 15	5 39	0 36	6 45	1 57	32 21	14 26	6 25	6 52	3 37			n.a.
S 28	12 47	17 52	5 7	19 3	1 43	15 43	6 11	24 33	3 8	21 57	0 46	5 17	2 15	5 38	0 36	6 46	1 57	32 21	14 26	6 22	6 50	3 36			n.a.
S 29	12 26	16 8	5 2	18 38	1 47	15 50	6 2	24 38	3 7	21 55	0 46	5 19	2 14	5 38	0 36	6 46	1 56	32 21	14 26	6 19	6 49	3 34			n.a.
M30	12 5	13 43	4 43	18 10	1 50	15 57	5 52	24 44	3 5	21 53	0 46	5 21	2 14	5 37	0 36	6 47	1 56	32 22	14 26	6 15	6 48	3 32			n.a.
T 31	11n44	10n44	4s11	17n40	1n52	16n 4	5s42	24s49	3s 4	21n51	0n46	5s23	2n14	5n37	0s36	6s48	1n56	32s22	14s26	6s12	6s47	3n30			n.a.

Julian Day Number = 1478013.5, Delta T = 05h25m10s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'38, Lahiri = -13°09'38 Julian Calendar 1 Aug. 667 BCE == Greg. Calendar 25 July 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

SEPTEMBER 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 10 48	0♍40'27	2♍54	18♌57	23♋53	7♐39	27♋ 0	18♎52	15°R24	21♎46	8°R 4	15°R24	16♎59	15♍ 2	n.a.	W 1
T 2	22 14 44	1°39'47	14°44	20°43	24°15	8°15	27°12	18°57	15♈23	21°48	8♒ 3	15♎17	16°55	15° 9	n.a.	T 2
F 3	22 18 41	2°39'08	26°31	22°29	24°38	8°52	27°24	19° 2	15°21	21°50	8° 2	15°13	16°52	15°15	n.a.	F 3
S 4	22 22 37	3°38'32	8♎19	24°15	25° 3	9°29	27°36	19° 8	15°19	21°51	8° 1	15°11	16°49	15°22	n.a.	S 4
S 5	22 26 34	4°37'57	20°10	26° 1	25°30	10° 6	27°47	19°14	15°18	21°53	8° 0	15°D11	16°46	15°29	n.a.	S 5
M 6	22 30 30	5°37'25	2♏ 7	27°48	25°58	10°44	27°59	19°19	15°16	21°55	7°59	15°12	16°43	15°35	n.a.	M 6
T 7	22 34 27	6°36'54	14°16	29°34	26°29	11°21	28°11	19°25	15°14	21°56	7°57	15°14	16°39	15°42	n.a.	T 7
W 8	22 38 24	7°36'26	26°39	1♍20	27° 0	11°59	28°22	19°31	15°12	21°58	7°56	15°16	16°36	15°49	n.a.	W 8
T 9	22 42 20	8°35'59	9♐23	3° 5	27°33	12°37	28°34	19°37	15°11	22° 0	7°55	15°R16	16°33	15°55	n.a.	T 9
F 10	22 46 17	9°35'35	22°31	4°50	28° 7	13°15	28°45	19°43	15° 9	22° 1	7°54	15°15	16°30	16° 2	n.a.	F 10
S 11	22 50 13	10°35'12	6♑ 7	6°35	28°43	13°53	28°56	19°48	15° 7	22° 3	7°53	15°13	16°27	16° 9	n.a.	S 11
S 12	22 54 10	11°34'51	20°12	8°19	29°20	14°31	29° 8	19°54	15° 5	22° 5	7°52	15° 9	16°24	16°15	n.a.	S 12
M13	22 58 6	12°34'32	4♒44	10° 2	29°58	15°10	29°19	20° 0	15° 3	22° 7	7°51	15° 5	16°20	16°22	n.a.	M13
T 14	23 2 3	13°34'14	19°39	11°45	0♌38	15°48	29°30	20° 6	15° 1	22° 9	7°50	15° 0	16°17	16°29	n.a.	T 14
W15	23 5 59	14°33'59	4♓50	13°28	1°19	16°27	29°41	20°13	14°59	22°11	7°49	14°56	16°14	16°35	n.a.	W15
T 16	23 9 56	15°33'46	20° 7	15° 9	2° 0	17° 6	29°52	20°19	14°57	22°13	7°48	14°53	16°11	16°42	n.a.	T 16
F 17	23 13 53	16°33'34	5♈18	16°50	2°43	17°45	0♌ 3	20°25	14°55	22°14	7°47	14°51	16° 8	16°49	n.a.	F 17
S 18	23 17 49	17°33'25	20°16	18°31	3°27	18°24	0°13	20°31	14°53	22°16	7°47	14°D51	16° 5	16°55	n.a.	S 18
S 19	23 21 46	18°33'19	4♉53	20°10	4°12	19° 4	0°24	20°37	14°50	22°18	7°46	14°52	16° 1	17° 2	n.a.	S 19
M20	23 25 42	19°33'14	19° 4	21°50	4°58	19°43	0°35	20°44	14°48	22°20	7°45	14°53	15°58	17° 9	n.a.	M20
T 21	23 29 39	20°33'12	2♊48	23°28	5°45	20°23	0°45	20°50	14°46	22°22	7°44	14°55	15°55	17°15	n.a.	T 21
W22	23 33 35	21°33'12	16° 7	25° 6	6°33	21° 3	0°56	20°57	14°44	22°24	7°43	14°R55	15°52	17°22	n.a.	W22
T 23	23 37 32	22°33'15	29° 2	26°44	7°22	21°42	1° 6	21° 3	14°42	22°26	7°42	14°55	15°49	17°29	n.a.	T 23
F 24	23 41 28	23°33'20	11♋38	28°21	8°12	22°22	1°16	21° 9	14°39	22°28	7°41	14°54	15°45	17°35	n.a.	F 24
S 25	23 45 25	24°33'27	23°57	29°57	9° 2	23° 2	1°26	21°16	14°37	22°30	7°41	14°52	15°42	17°42	n.a.	S 25
S 26	23 49 21	25°33'36	6♌ 5	1♎33	9°53	23°43	1°36	21°22	14°35	22°32	7°40	14°49	15°39	17°49	n.a.	S 26
M27	23 53 18	26°33'48	18° 3	3° 9	10°45	24°23	1°46	21°29	14°32	22°34	7°39	14°46	15°36	17°55	n.a.	M27
T 28	23 57 15	27°34'01	29°55	4°44	11°38	25° 3	1°56	21°36	14°30	22°36	7°38	14°43	15°33	18° 2	n.a.	T 28
W29	0 1 11	28°34'17	11♍44	6°18	12°31	25°44	2° 6	21°42	14°28	22°39	7°38	14°41	15°30	18° 9	n.a.	W29
T 30	0 5 8	29♍34'34	23♍32	7♎52	13♌25	26♐24	2♌16	21♎49	14♈25	22♎41	7♒37	14♎39	15♎26	18♍15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	11n23	7n20	3s29	17n 9	1n53	16n10	5s32	24s54	3s 3	21n48	0n46	5s26	2n14	5n36	0s36	6s48	1n56	32s22	14s26	6s 9	6s46	3n28		n.a.
T 2	11 2	3 40	2 38	16 35	1 54	16 17	5 22	24 59	3 2	21 46	0 46	5 28	2 14	5 35	0 36	6 49	1 56	32 22	14 26	6 6	6 44	3 26		n.a.
F 3	10 40	0s 7	1 40	16 0	1 54	16 22	5 12	25 4	3 1	21 44	0 47	5 30	2 14	5 35	0 36	6 50	1 56	32 23	14 25	6 5	6 43	3 24		n.a.
S 4	10 19	3 55	0 37	15 24	1 53	16 28	5 3	25 8	3 0	21 42	0 47	5 32	2 13	5 34	0 36	6 50	1 56	32 23	14 25	6 4	6 42	3 22		n.a.
S 5	9 57	7 34	0n27	14 46	1 51	16 33	4 53	25 13	2 59	21 39	0 47	5 35	2 13	5 33	0 36	6 51	1 56	32 23	14 25	6 4	6 41	3 20		n.a.
M 6	9 35	10 57	1 31	14 7	1 49	16 37	4 43	25 17	2 57	21 37	0 47	5 37	2 13	5 33	0 36	6 52	1 56	32 23	14 25	6 4	6 39	3 18		n.a.
T 7	9 12	13 55	2 32	13 27	1 47	16 41	4 33	25 22	2 56	21 35	0 47	5 39	2 13	5 32	0 36	6 52	1 56	32 23	14 25	6 5	6 38	3 16		n.a.
W 8	8 50	16 19	3 27	12 46	1 44	16 45	4 23	25 26	2 55	21 33	0 47	5 42	2 13	5 31	0 36	6 53	1 56	32 23	14 25	6 5	6 37	3 15		n.a.
T 9	8 28	17 59	4 14	12 4	1 40	16 48	4 13	25 30	2 54	21 31	0 48	5 44	2 13	5 30	0 36	6 54	1 56	32 24	14 25	6 6	6 36	3 13		n.a.
F 10	8 5	18 45	4 49	11 22	1 37	16 51	4 4	25 33	2 53	21 28	0 48	5 46	2 12	5 30	0 36	6 54	1 56	32 24	14 24	6 5	6 34	3 11		n.a.
S 11	7 42	18 29	5 9	10 39	1 32	16 53	3 54	25 37	2 51	21 26	0 48	5 49	2 12	5 29	0 36	6 55	1 56	32 24	14 24	6 4	6 33	3 9		n.a.
S 12	7 19	17 6	5 11	9 55	1 28	16 55	3 45	25 41	2 50	21 24	0 48	5 51	2 12	5 28	0 36	6 56	1 56	32 24	14 24	6 3	6 32	3 7		n.a.
M13	6 56	14 35	4 55	9 11	1 23	16 56	3 35	25 44	2 49	21 22	0 48	5 54	2 12	5 27	0 36	6 57	1 56	32 24	14 24	6 1	6 31	3 5		n.a.
T 14	6 33	11 3	4 18	8 27	1 18	16 57	3 26	25 47	2 48	21 20	0 48	5 56	2 12	5 27	0 36	6 57	1 56	32 24	14 24	5 59	6 29	3 3		n.a.
W15	6 10	6 44	3 22	7 43	1 13	16 57	3 16	25 50	2 46	21 18	0 49	5 59	2 12	5 26	0 36	6 58	1 56	32 24	14 24	5 58	6 28	3 1		n.a.
T 16	5 46	1 57	2 12	6 58	1 7	16 57	3 7	25 53	2 45	21 15	0 49	6 1	2 11	5 25	0 36	6 59	1 56	32 24	14 23	5 56	6 27	2 59		n.a.
F 17	5 23	2n56	0 52	6 13	1 2	16 56	2 58	25 55	2 44	21 13	0 49	6 4	2 11	5 24	0 36	7 0	1 56	32 25	14 23	5 56	6 26	2 57		n.a.
S 18	4 59	7 34	0s30	5 28	0 56	16 55	2 49	25 58	2 43	21 11	0 49	6 6	2 11	5 23	0 36	7 0	1 56	32 25	14 23	5 56	6 25	2 56		n.a.
S 19	4 35	11 38	1 48	4 42	0 50	16 53	2 40	26 0	2 41	21 9	0 49	6 9	2 11	5 23	0 36	7 1	1 56	32 25	14 23	5 56	6 23	2 54		n.a.
M20	4 11	14 53	2 57	3 57	0 44	16 50	2 32	26 2	2 40	21 7	0 49	6 11	2 11	5 22	0 36	7 2	1 55	32 25	14 23	5 57	6 22	2 52		n.a.
T 21	3 48	17 11	3 54	3 12	0 38	16 47	2 23	26 4	2 39	21 5	0 50	6 14	2 11	5 21	0 36	7 3	1 55	32 25	14 22	5 57	6 21	2 50		n.a.
W22	3 24	18 27	4 37	2 27	0 31	16 44	2 14	26 5	2 38	21 2	0 50	6 16	2 11	5 20	0 36	7 3	1 55	32 25	14 22	5 58	6 20	2 48		n.a.
T 23	3 0	18 43	5 4	1 42	0 25	16 39	2 6	26 7	2 36	21 0	0 50	6 19	2 11	5 19	0 36	7 4	1 55	32 25	14 22	5 58	6 18	2 46		n.a.
F 24	2 36	18 2	5 15	0 57	0 18	16 35	1 58	26 8	2 35	20 58	0 50	6 21	2 10	5 18	0 36	7 5	1 55	32 25	14 22	5 57	6 17	2 44		n.a.
S 25	2 11	16 30	5 12	0 12	0 12	16 29	1 50	26 9	2 34	20 56	0 50	6 24	2 10	5 17	0 36	7 6	1 55	32 25	14 22	5 56	6 16	2 42		n.a.
S 26	1 47	14 16	4 54	0s33	0 5	16 23	1 41	26 10	2 33	20 54	0 51	6 26	2 10	5 16	0 36	7 7	1 55	32 25	14 21	5 55	6 15	2 40		n.a.
M27	1 23	11 27	4 24	1 17	0s 1	16 17	1 34	26 10	2 31	20 52	0 51	6 29	2 10	5 15	0 36	7 7	1 55	32 25	14 21	5 54	6 13	2 38		n.a.
T 28	0 59	8 11	3 43	2 2	0 8	16 10	1 26	26 11	2 30	20 50	0 51	6 32	2 10	5 14	0 36	7 8	1 55	32 25	14 21	5 53	6 12	2 36		n.a.
W29	0 35	4 36	2 52	2 46	0 15	16 2	1 18	26 11	2 29	20 48	0 51	6 34	2 10	5 14	0 36	7 9	1 55	32 25	14 21	5 52	6 11	2 35		n.a.
T 30	0n10	0n51	1s54	3s29	0s21	15n54	1s10	26s11	2s27	20n46	0n51	6s37	2n10	5n13	0s36	7s10	1n55	32s25	14s20	5s51	6s10	2n33		n.a.

Julian Day Number = 1478044.5, Delta T = 05h25m09s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'34, Lahiri = -13°09'34 Julian Calendar 1 Sept. 667 BCE == Greg. Calendar 25 Aug. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

OCTOBER 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 9 4	0♎34'54	5♎22	9♎26	14♌20	27♐ 5	2♌25	21♎56	14°R23	22♎43	7°R36	14°R38	15♎23	18♍22	n.a.	F 1
S 2	0 13 1	1°35'15	17°14	10°59	15°15	27°46	2°35	22° 2	14♈20	22°45	7♒36	14°D38	15°20	18°28	n.a.	S 2
S 3	0 16 57	2°35'38	29°12	12°32	16°11	28°27	2°44	22° 9	14°18	22°47	7°35	14♎38	15°17	18°35	n.a.	S 3
M 4	0 20 54	3°36'03	11♏18	14° 5	17° 7	29° 8	2°53	22°16	14°15	22°49	7°34	14°39	15°14	18°42	n.a.	M 4
T 5	0 24 50	4°36'29	23°34	15°37	18° 5	29°49	3° 2	22°23	14°13	22°51	7°34	14°40	15°10	18°48	n.a.	T 5
W 6	0 28 47	5°36'57	6♐ 3	17° 8	19° 2	0♑30	3°11	22°29	14°11	22°53	7°33	14°41	15° 7	18°55	n.a.	W 6
T 7	0 32 44	6°37'27	18°48	18°40	20° 0	1°11	3°20	22°36	14° 8	22°56	7°33	14°42	15° 4	19° 2	n.a.	T 7
F 8	0 36 40	7°37'58	1♑54	20°11	20°59	1°53	3°29	22°43	14° 6	22°58	7°32	14°R42	15° 1	19° 8	n.a.	F 8
S 9	0 40 37	8°38'31	15°21	21°41	21°58	2°34	3°38	22°50	14° 3	23° 0	7°32	14°42	14°58	19°15	n.a.	S 9
S 10	0 44 33	9°39'04	29°13	23°12	22°58	3°16	3°46	22°57	14° 1	23° 2	7°31	14°42	14°55	19°22	n.a.	S 10
M11	0 48 30	10°39'40	13♒28	24°42	23°58	3°57	3°55	23° 4	13°58	23° 4	7°31	14°42	14°51	19°28	n.a.	M11
T 12	0 52 26	11°40'16	28° 6	26°11	24°58	4°39	4° 3	23°11	13°56	23° 7	7°30	14°41	14°48	19°35	n.a.	T 12
W13	0 56 23	12°40'54	13♓ 1	27°40	25°59	5°20	4°11	23°18	13°53	23° 9	7°30	14°41	14°45	19°42	n.a.	W13
T 14	1 0 19	13°41'33	28° 6	29° 9	27° 1	6° 2	4°19	23°25	13°51	23°11	7°29	14°41	14°42	19°48	n.a.	T 14
F 15	1 4 16	14°42'14	13♈13	0♏37	28° 2	6°44	4°27	23°32	13°48	23°13	7°29	14°41	14°39	19°55	n.a.	F 15
S 16	1 8 12	15°42'56	28°13	2° 5	29° 5	7°26	4°35	23°39	13°46	23°16	7°29	14°41	14°36	20° 2	n.a.	S 16
S 17	1 12 9	16°43'40	12♉57	3°32	0♍ 7	8° 8	4°42	23°46	13°43	23°18	7°28	14°41	14°32	20° 8	n.a.	S 17
M18	1 16 6	17°44'26	27°19	4°58	1°10	8°50	4°50	23°53	13°41	23°20	7°28	14°40	14°29	20°15	n.a.	M18
T 19	1 20 2	18°45'13	11♊15	6°24	2°14	9°32	4°57	24° 0	13°38	23°22	7°28	14°40	14°26	20°22	n.a.	T 19
W20	1 23 59	19°46'02	24°43	7°50	3°17	10°14	5° 5	24° 7	13°36	23°25	7°28	14°40	14°23	20°28	n.a.	W20
T 21	1 27 55	20°46'53	7♋46	9°14	4°21	10°56	5°12	24°14	13°33	23°27	7°27	14°39	14°20	20°35	n.a.	T 21
F 22	1 31 52	21°47'45	20°25	10°38	5°26	11°38	5°19	24°21	13°31	23°29	7°27	14°D39	14°16	20°42	n.a.	F 22
S 23	1 35 48	22°48'38	2♌45	12° 0	6°30	12°20	5°25	24°28	13°28	23°31	7°27	14°39	14°13	20°48	n.a.	S 23
S 24	1 39 45	23°49'34	14°50	13°22	7°35	13° 2	5°32	24°35	13°26	23°34	7°27	14°40	14°10	20°55	n.a.	S 24
M25	1 43 41	24°50'30	26°44	14°42	8°41	13°45	5°39	24°42	13°23	23°36	7°27	14°41	14° 7	21° 2	n.a.	M25
T 26	1 47 38	25°51'29	8♍33	16° 0	9°46	14°27	5°45	24°49	13°21	23°38	7°27	14°42	14° 4	21° 8	n.a.	T 26
W27	1 51 35	26°52'28	20°21	17°17	10°52	15° 9	5°51	24°56	13°18	23°40	7°27	14°43	14° 1	21°15	n.a.	W27
T 28	1 55 31	27°53'29	2♎10	18°31	11°58	15°52	5°57	25° 3	13°16	23°43	7°27	14°44	13°57	21°22	n.a.	T 28
F 29	1 59 28	28°54'31	14° 4	19°44	13° 5	16°34	6° 3	25°10	13°14	23°45	7°D27	14°R44	13°54	21°28	n.a.	F 29
S 30	2 3 24	29°55'34	26° 5	20°53	14°11	17°17	6° 9	25°17	13°11	23°47	7°27	14°44	13°51	21°35	n.a.	S 30
S 31	2 7 21	0♏56'39	8♏15	22♏ 0	15♍18	17♑59	6♌14	25♎24	13♈ 9	23♎49	7♒27	14♎43	13♎48	21♍42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s14	2s56	0s51	4s13	0s28	15n45	1s 3	26s10	2s26	20n44	0n52	6s39	2n10	5n12	0s36	7s11	1n55	32s25	14s20	5s51	6s 8	2n31		n.a.
S 2	0 38	6 38	0n14	4 56	0 34	15 36	0 56	26 10	2 25	20 42	0 52	6 42	2 10	5 11	0 36	7 11	1 55	32 25	14 20	5 51	6 7	2 29		n.a.
S 3	1 3	10 6	1 20	5 39	0 41	15 26	0 49	26 9	2 24	20 40	0 52	6 45	2 9	5 10	0 36	7 12	1 55	32 25	14 20	5 51	6 6	2 27		n.a.
M 4	1 27	13 10	2 23	6 21	0 47	15 16	0 42	26 8	2 22	20 38	0 52	6 47	2 9	5 9	0 36	7 13	1 55	32 25	14 19	5 51	6 5	2 25		n.a.
T 5	1 51	15 42	3 20	7 3	0 54	15 5	0 35	26 7	2 21	20 36	0 52	6 50	2 9	5 8	0 36	7 14	1 55	32 25	14 19	5 52	6 3	2 23		n.a.
W 6	2 16	17 32	4 9	7 45	1 0	14 53	0 28	26 6	2 20	20 34	0 53	6 52	2 9	5 7	0 36	7 15	1 55	32 24	14 19	5 52	6 2	2 21		n.a.
T 7	2 40	18 32	4 46	8 26	1 6	14 41	0 21	26 4	2 18	20 32	0 53	6 55	2 9	5 6	0 36	7 16	1 55	32 24	14 19	5 52	6 1	2 19		n.a.
F 8	3 4	18 35	5 10	9 7	1 13	14 28	0 15	26 3	2 17	20 30	0 53	6 58	2 9	5 5	0 36	7 16	1 55	32 24	14 18	5 52	6 0	2 17		n.a.
S 9	3 28	17 37	5 18	9 47	1 19	14 15	0 8	26 1	2 16	20 28	0 53	7 0	2 9	5 4	0 36	7 17	1 55	32 24	14 18	5 52	5 58	2 15		n.a.
S 10	3 52	15 35	5 8	10 26	1 24	14 1	0 2	25 58	2 14	20 27	0 54	7 3	2 9	5 3	0 36	7 18	1 55	32 24	14 18	5 52	5 57	2 14		n.a.
M11	4 17	12 33	4 39	11 5	1 30	13 47	0n 4	25 56	2 13	20 25	0 54	7 6	2 9	5 2	0 36	7 19	1 55	32 24	14 18	5 52	5 56	2 12		n.a.
T 12	4 41	8 41	3 51	11 44	1 36	13 32	0 10	25 53	2 12	20 23	0 54	7 8	2 9	5 1	0 36	7 20	1 55	32 24	14 17	5 52	5 55	2 10		n.a.
W13	5 5	4 12	2 47	12 22	1 41	13 17	0 16	25 50	2 11	20 21	0 54	7 11	2 9	5 0	0 36	7 21	1 55	32 24	14 17	5 52	5 53	2 8		n.a.
T 14	5 29	0n37	1 31	12 59	1 46	13 1	0 21	25 47	2 9	20 20	0 54	7 14	2 9	4 59	0 36	7 21	1 55	32 23	14 17	5 52	5 52	2 6		n.a.
F 15	5 52	5 25	0 8	13 35	1 51	12 44	0 27	25 44	2 8	20 18	0 55	7 16	2 9	4 58	0 36	7 22	1 55	32 23	14 16	5 52	5 51	2 4		n.a.
S 16	6 16	9 50	1s15	14 11	1 56	12 28	0 32	25 40	2 7	20 16	0 55	7 19	2 9	4 57	0 36	7 23	1 55	32 23	14 16	5 52	5 50	2 2		n.a.
S 17	6 40	13 33	2 31	14 45	2 1	12 10	0 38	25 36	2 5	20 15	0 55	7 22	2 8	4 56	0 36	7 24	1 55	32 23	14 16	5 52	5 48	2 0		n.a.
M18	7 3	16 20	3 36	15 19	2 5	11 52	0 43	25 32	2 4	20 13	0 55	7 24	2 8	4 55	0 36	7 25	1 55	32 23	14 16	5 52	5 47	1 58		n.a.
T 19	7 27	18 3	4 26	15 52	2 9	11 34	0 48	25 28	2 3	20 11	0 56	7 27	2 8	4 54	0 36	7 26	1 55	32 22	14 15	5 51	5 46	1 56		n.a.
W20	7 50	18 41	4 59	16 24	2 13	11 15	0 52	25 23	2 1	20 10	0 56	7 30	2 8	4 53	0 36	7 26	1 55	32 22	14 15	5 51	5 45	1 55		n.a.
T 21	8 13	18 17	5 16	16 55	2 16	10 56	0 57	25 19	2 0	20 8	0 56	7 32	2 8	4 52	0 36	7 27	1 55	32 22	14 15	5 51	5 44	1 53		n.a.
F 22	8 36	16 59	5 16	17 25	2 19	10 36	1 2	25 14	1 59	20 7	0 56	7 35	2 8	4 51	0 36	7 28	1 55	32 22	14 14	5 51	5 42	1 51		n.a.
S 23	8 59	14 55	5 2	17 54	2 22	10 16	1 6	25 9	1 58	20 5	0 57	7 37	2 8	4 50	0 36	7 29	1 55	32 22	14 14	5 51	5 41	1 49		n.a.
S 24	9 22	12 14	4 35	18 21	2 24	9 56	1 11	25 3	1 56	20 4	0 57	7 40	2 8	4 49	0 36	7 30	1 55	32 21	14 14	5 51	5 40	1 47		n.a.
M25	9 45	9 4	3 56	18 47	2 26	9 35	1 15	24 58	1 55	20 3	0 57	7 43	2 8	4 48	0 36	7 31	1 55	32 21	14 13	5 52	5 39	1 45		n.a.
T 26	10 8	5 35	3 8	19 12	2 27	9 13	1 19	24 52	1 54	20 1	0 57	7 45	2 8	4 47	0 36	7 32	1 55	32 21	14 13	5 52	5 37	1 43		n.a.
W27	10 30	1 52	2 11	19 35	2 28	8 52	1 23	24 46	1 52	20 0	0 58	7 48	2 8	4 47	0 36	7 32	1 55	32 20	14 13	5 53	5 36	1 41		n.a.
T 28	10 52	1s56	1 9	19 56	2 28	8 30	1 26	24 39	1 51	19 59	0 58	7 51	2 8	4 46	0 36	7 33	1 55	32 20	14 13	5 53	5 35	1 39		n.a.
F 29	11 14	5 41	0 4	20 16	2 27	8 7	1 30	24 33	1 50	19 57	0 58	7 53	2 8	4 45	0 36	7 34	1 55	32 20	14 12	5 53	5 34	1 37		n.a.
S 30	11 36	9 14	1n 2	20 34	2 26	7 44	1 33	24 26	1 49	19 56	0 58	7 56	2 8	4 44	0 36	7 35	1 55	32 20	14 12	5 53	5 32	1 35		n.a.
S 31	11s58	12s27	2n 7	20s50	2s24	7n21	1n37	24s19	1s47	19n55	0n59	7s58	2n 8	4n43	0s36	7s36	1n55	32s19	14s12	5s53	5s31	1n34		n.a.

Julian Day Number = 1478074.5, Delta T = 05h25m07s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'30, Lahiri = -13°09'30 Julian Calendar 1 Oct. 667 BCE == Greg. Calendar 24 Sept. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

NOVEMBER 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 11 17	1♏57'44	20♏35	23♏ 3	16♍25	18♉42	6♌20	25♎31	13°R 7	23♎52	7♒27	14°R41	13♎45	21♍48	n.a.	M 1
T 2	2 15 14	2°58'50	3♐ 7	24° 2	17°33	19°24	6°25	25°38	13♈ 4	23°54	7°27	14♎38	13°41	21°55	n.a.	T 2
W 3	2 19 10	3°59'57	15°51	24°56	18°40	20° 7	6°30	25°45	13° 2	23°56	7°27	14°35	13°38	22° 2	n.a.	W 3
T 4	2 23 7	5° 1'05	28°50	25°45	19°48	20°49	6°35	25°52	13° 0	23°58	7°27	14°32	13°35	22° 8	n.a.	T 4
F 5	2 27 4	6° 2'14	12♑ 2	26°28	20°56	21°32	6°40	25°59	12°57	24° 1	7°27	14°29	13°32	22°15	n.a.	F 5
S 6	2 31 0	7° 3'23	25°30	27° 4	22° 4	22°15	6°44	26° 6	12°55	24° 3	7°27	14°28	13°29	22°22	n.a.	S 6
S 7	2 34 57	8° 4'32	9♒15	27°33	23°13	22°58	6°49	26°13	12°53	24° 5	7°27	14°D27	13°26	22°28	n.a.	S 7
M 8	2 38 53	9° 5'42	23°15	27°53	24°21	23°40	6°53	26°20	12°51	24° 7	7°28	14°28	13°22	22°35	n.a.	M 8
T 9	2 42 50	10° 6'53	7♓32	28° 3	25°30	24°23	6°57	26°26	12°49	24° 9	7°28	14°29	13°19	22°41	n.a.	T 9
W10	2 46 46	11° 8'03	22° 2	28°R 3	26°39	25° 6	7° 1	26°33	12°47	24°12	7°28	14°31	13°16	22°48	n.a.	W10
T 11	2 50 43	12° 9'14	6♈43	27°53	27°48	25°49	7° 5	26°40	12°44	24°14	7°29	14°32	13°13	22°55	n.a.	T 11
F 12	2 54 39	13°10'26	21°28	27°31	28°57	26°31	7° 8	26°47	12°42	24°16	7°29	14°R32	13°10	23° 1	n.a.	F 12
S 13	2 58 36	14°11'38	6♉12	26°57	0♎ 7	27°14	7°12	26°54	12°40	24°18	7°29	14°30	13° 7	23° 8	n.a.	S 13
S 14	3 2 33	15°12'50	20°47	26°12	1°16	27°57	7°15	27° 1	12°38	24°20	7°30	14°27	13° 3	23°15	n.a.	S 14
M15	3 6 29	16°14'03	5♊ 6	25°16	2°26	28°40	7°18	27° 7	12°36	24°22	7°30	14°23	13° 0	23°21	n.a.	M15
T 16	3 10 26	17°15'17	19° 4	24°10	3°36	29°23	7°21	27°14	12°34	24°25	7°30	14°17	12°57	23°28	n.a.	T 16
W17	3 14 22	18°16'31	2♋37	22°57	4°46	0♒ 5	7°23	27°21	12°33	24°27	7°31	14°12	12°54	23°35	n.a.	W17
T 18	3 18 19	19°17'45	15°46	21°38	5°56	0°48	7°26	27°28	12°31	24°29	7°31	14° 7	12°51	23°41	n.a.	T 18
F 19	3 22 15	20°19'01	28°31	20°16	7° 7	1°31	7°28	27°34	12°29	24°31	7°32	14° 3	12°47	23°48	n.a.	F 19
S 20	3 26 12	21°20'17	10♌54	18°53	8°17	2°14	7°30	27°41	12°27	24°33	7°32	14° 1	12°44	23°55	n.a.	S 20
S 21	3 30 9	22°21'33	23° 1	17°34	9°28	2°57	7°32	27°48	12°25	24°35	7°33	14°D 0	12°41	24° 1	n.a.	S 21
M22	3 34 5	23°22'49	4♍56	16°19	10°39	3°40	7°34	27°54	12°23	24°37	7°34	14° 1	12°38	24° 8	n.a.	M22
T 23	3 38 2	24°24'07	16°45	15°11	11°50	4°22	7°35	28° 1	12°22	24°39	7°34	14° 2	12°35	24°15	n.a.	T 23
W24	3 41 58	25°25'24	28°32	14°12	13° 1	5° 5	7°37	28° 7	12°20	24°41	7°35	14° 4	12°32	24°21	n.a.	W24
T 25	3 45 55	26°26'42	10♎23	13°23	14°12	5°48	7°38	28°14	12°19	24°43	7°35	14°R 5	12°28	24°28	n.a.	T 25
F 26	3 49 51	27°28'00	22°22	12°44	15°23	6°31	7°39	28°20	12°17	24°45	7°36	14° 5	12°25	24°35	n.a.	F 26
S 27	3 53 48	28°29'18	4♏31	12°16	16°34	7°14	7°39	28°27	12°15	24°47	7°37	14° 2	12°22	24°41	n.a.	S 27
S 28	3 57 44	29°30'36	16°54	11°58	17°46	7°57	7°40	28°33	12°14	24°49	7°38	13°58	12°19	24°48	n.a.	S 28
M29	4 1 41	0♐31'55	29°32	11°D50	18°57	8°40	7°40	28°39	12°13	24°51	7°38	13°51	12°16	24°55	n.a.	M29
T 30	4 5 38	1♐33'13	12♐26	11♏51	20♎ 9	9♒22	7°R40	28♎46	12♈11	24♎53	7♒39	13♎43	12♎13	25♍ 1	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s19	15s10	3n 6	21s 3	2s21	6n58	1n40	24s12	1s46	19n54	0n59	8s 1	2n 8	4n42	0s36	7s37	1n55	32s19	14s11	5s52	5s30	1n32		n.a.
T 2	12 41	17 12	3 57	21 15	2 17	6 34	1 43	24 5	1 45	19 53	0 59	8 3	2 8	4 41	0 36	7 37	1 55	32 19	14 11	5 51	5 29	1 30		n.a.
W 3	13 2	18 25	4 37	21 24	2 12	6 10	1 46	23 57	1 44	19 52	0 59	8 6	2 8	4 40	0 36	7 38	1 55	32 18	14 11	5 49	5 27	1 28		n.a.
T 4	13 22	18 42	5 4	21 30	2 6	5 45	1 49	23 49	1 42	19 51	1 0	8 9	2 8	4 39	0 36	7 39	1 55	32 18	14 10	5 48	5 26	1 26		n.a.
F 5	13 43	17 59	5 15	21 33	1 59	5 21	1 52	23 41	1 41	19 50	1 0	8 11	2 8	4 38	0 36	7 40	1 55	32 18	14 10	5 47	5 25	1 24		n.a.
S 6	14 4	16 16	5 10	21 34	1 50	4 56	1 54	23 33	1 40	19 49	1 0	8 14	2 8	4 38	0 36	7 41	1 55	32 17	14 10	5 47	5 24	1 22		n.a.
S 7	14 24	13 35	4 46	21 31	1 41	4 31	1 57	23 24	1 39	19 48	1 0	8 16	2 8	4 37	0 36	7 41	1 55	32 17	14 9	5 46	5 22	1 20		n.a.
M 8	14 44	10 5	4 6	21 25	1 29	4 5	1 59	23 16	1 37	19 47	1 1	8 19	2 8	4 36	0 36	7 42	1 55	32 17	14 9	5 47	5 21	1 18		n.a.
T 9	15 3	5 56	3 10	21 15	1 17	3 39	2 1	23 7	1 36	19 47	1 1	8 21	2 8	4 35	0 36	7 43	1 55	32 16	14 9	5 47	5 20	1 16		n.a.
W10	15 23	1 21	2 1	21 1	1 3	3 14	2 3	22 58	1 35	19 46	1 1	8 24	2 8	4 34	0 36	7 44	1 55	32 16	14 9	5 48	5 19	1 15		n.a.
T 11	15 42	3n21	0 43	20 44	0 47	2 47	2 5	22 49	1 34	19 45	1 2	8 26	2 8	4 33	0 36	7 45	1 55	32 15	14 8	5 48	5 17	1 13		n.a.
F 12	16 1	7 54	0s38	20 22	0 30	2 21	2 7	22 39	1 32	19 44	1 2	8 29	2 8	4 33	0 35	7 45	1 55	32 15	14 8	5 48	5 16	1 11		n.a.
S 13	16 19	11 57	1 56	19 57	0 12	1 55	2 8	22 30	1 31	19 44	1 2	8 31	2 8	4 32	0 35	7 46	1 55	32 15	14 8	5 48	5 15	1 9		n.a.
S 14	16 37	15 13	3 6	19 27	0n 7	1 28	2 10	22 20	1 30	19 43	1 2	8 34	2 8	4 31	0 35	7 47	1 55	32 14	14 7	5 47	5 13	1 7		n.a.
M15	16 55	17 28	4 2	18 54	0 27	1 1	2 11	22 10	1 29	19 43	1 3	8 36	2 8	4 30	0 35	7 48	1 55	32 14	14 7	5 45	5 12	1 5		n.a.
T 16	17 13	18 37	4 43	18 19	0 47	0 34	2 12	21 59	1 27	19 42	1 3	8 38	2 8	4 30	0 35	7 49	1 55	32 13	14 7	5 43	5 11	1 3		n.a.
W17	17 31	18 39	5 6	17 41	1 8	0 7	2 14	21 49	1 26	19 42	1 3	8 41	2 8	4 29	0 35	7 49	1 55	32 13	14 6	5 40	5 10	1 1		n.a.
T 18	17 48	17 40	5 12	17 1	1 27	0s20	2 15	21 38	1 25	19 42	1 4	8 43	2 8	4 28	0 35	7 50	1 55	32 13	14 6	5 39	5 8	0 59		n.a.
F 19	18 4	15 49	5 2	16 21	1 46	0 47	2 16	21 28	1 24	19 41	1 4	8 46	2 8	4 27	0 35	7 51	1 55	32 12	14 6	5 37	5 7	0 57		n.a.
S 20	18 21	13 16	4 39	15 42	2 3	1 15	2 16	21 17	1 23	19 41	1 4	8 48	2 8	4 27	0 35	7 52	1 55	32 12	14 5	5 36	5 6	0 56		n.a.
S 21	18 37	10 13	4 3	15 5	2 19	1 42	2 17	21 6	1 21	19 41	1 4	8 50	2 8	4 26	0 35	7 52	1 55	32 11	14 5	5 36	5 5	0 54		n.a.
M22	18 53	6 47	3 17	14 32	2 32	2 10	2 18	20 54	1 20	19 41	1 5	8 53	2 9	4 25	0 35	7 53	1 55	32 11	14 5	5 36	5 3	0 52		n.a.
T 23	19 8	3 6	2 23	14 2	2 43	2 38	2 18	20 43	1 19	19 41	1 5	8 55	2 9	4 25	0 35	7 54	1 55	32 10	14 5	5 37	5 2	0 50		n.a.
W24	19 23	0s41	1 24	13 36	2 51	3 5	2 18	20 31	1 18	19 40	1 5	8 57	2 9	4 24	0 35	7 54	1 55	32 10	14 4	5 37	5 1	0 48		n.a.
T 25	19 38	4 28	0 20	13 15	2 58	3 33	2 19	20 19	1 17	19 40	1 6	8 59	2 9	4 24	0 35	7 55	1 55	32 10	14 4	5 38	5 0	0 46		n.a.
F 26	19 52	8 8	0n45	13 0	3 2	4 1	2 19	20 7	1 15	19 40	1 6	9 2	2 9	4 23	0 35	7 56	1 55	32 9	14 4	5 38	4 58	0 44		n.a.
S 27	20 6	11 30	1 49	12 49	3 4	4 28	2 19	19 55	1 14	19 41	1 6	9 4	2 9	4 22	0 35	7 57	1 55	32 9	14 3	5 37	4 57	0 42		n.a.
S 28	20 20	14 26	2 48	12 43	3 4	4 56	2 19	19 43	1 13	19 41	1 6	9 6	2 9	4 22	0 35	7 57	1 55	32 8	14 3	5 35	4 56	0 40		n.a.
M29	20 33	16 44	3 41	12 42	3 3	5 24	2 18	19 30	1 12	19 41	1 7	9 8	2 9	4 21	0 35	7 58	1 55	32 8	14 3	5 32	4 55	0 38		n.a.
T 30	20s46	18s15	4n23	12s44	3n 1	5s51	2n18	19s18	1s11	19n41	1n 7	9s11	2n 9	4n21	0s35	7s59	1n55	32s 7	14s 3	5s29	4s53	0n37		n.a.

Julian Day Number = 1478105.5, Delta T = 05h25m06s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'26, Lahiri = -13°09'25 Julian Calendar 1 Nov. 667 BCE == Greg. Calendar 25 Oct. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 667 BCE
geocentric

DECEMBER 667 BCE (-666) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 9 34	2♐34'31	25♐33	12♏ 1	21♎20	10♒ 5	7°R40	28♎52	12°R10	24♎55	7♒40	13°R34	12♎ 9	25♍ 8	n.a.	W 1
T 2	4 13 31	3°35'49	8♑54	12°19	22°32	10°48	7♌40	28°58	12♈ 8	24°57	7°41	13♎25	12° 6	25°15	n.a.	T 2
F 3	4 17 27	4°37'06	22°27	12°45	23°44	11°31	7°40	29° 4	12° 7	24°58	7°42	13°17	12° 3	25°21	n.a.	F 3
S 4	4 21 24	5°38'23	6♒ 9	13°16	24°56	12°14	7°39	29°10	12° 6	25° 0	7°42	13°11	12° 0	25°28	n.a.	S 4
S 5	4 25 20	6°39'39	19°59	13°54	26° 8	12°57	7°38	29°17	12° 5	25° 2	7°43	13° 7	11°57	25°34	n.a.	S 5
M 6	4 29 17	7°40'55	3♓57	14°37	27°20	13°39	7°37	29°23	12° 4	25° 4	7°44	13°D 6	11°53	25°41	n.a.	M 6
T 7	4 33 13	8°42'09	18° 2	15°25	28°32	14°22	7°36	29°29	12° 3	25° 6	7°45	13° 6	11°50	25°48	n.a.	T 7
W 8	4 37 10	9°43'23	2♈12	16°17	29°44	15° 5	7°35	29°35	12° 2	25° 7	7°46	13° 7	11°47	25°54	n.a.	W 8
T 9	4 41 7	10°44'36	16°27	17°13	0♏56	15°48	7°33	29°40	12° 1	25° 9	7°47	13°R 8	11°44	26° 1	n.a.	T 9
F 10	4 45 3	11°45'49	0♉44	18°12	2° 9	16°31	7°31	29°46	12° 0	25°11	7°48	13° 6	11°41	26° 8	n.a.	F 10
S 11	4 49 0	12°47'00	15° 1	19°14	3°21	17°13	7°29	29°52	11°59	25°13	7°49	13° 2	11°38	26°14	n.a.	S 11
S 12	4 52 56	13°48'11	29°11	20°19	4°34	17°56	7°27	29°58	11°58	25°14	7°50	12°56	11°34	26°21	n.a.	S 12
M13	4 56 53	14°49'22	13♊12	21°26	5°46	18°39	7°25	0♏ 3	11°57	25°16	7°51	12°47	11°31	26°28	n.a.	M13
T 14	5 0 49	15°50'31	26°58	22°36	6°59	19°22	7°22	0° 9	11°56	25°17	7°52	12°36	11°28	26°34	n.a.	T 14
W15	5 4 46	16°51'40	10♋25	23°48	8°11	20° 4	7°20	0°15	11°56	25°19	7°53	12°24	11°25	26°41	n.a.	W15
T 16	5 8 43	17°52'48	23°31	25° 1	9°24	20°47	7°17	0°20	11°55	25°21	7°54	12°13	11°22	26°48	n.a.	T 16
F 17	5 12 39	18°53'56	6♌15	26°16	10°37	21°30	7°14	0°25	11°54	25°22	7°55	12° 4	11°19	26°54	n.a.	F 17
S 18	5 16 36	19°55'03	18°41	27°33	11°49	22°12	7°10	0°31	11°54	25°24	7°57	11°57	11°15	27° 1	n.a.	S 18
S 19	5 20 32	20°56'09	0♍49	28°51	13° 2	22°55	7° 7	0°36	11°53	25°25	7°58	11°53	11°12	27° 8	n.a.	S 19
M20	5 24 29	21°57'15	12°46	0♐10	14°15	23°37	7° 3	0°41	11°53	25°27	7°59	11°50	11° 9	27°14	n.a.	M20
T 21	5 28 25	22°58'20	24°35	1°31	15°28	24°20	6°59	0°47	11°53	25°28	8° 0	11°D50	11° 6	27°21	n.a.	T 21
W22	5 32 22	23°59'24	6♎22	2°53	16°41	25° 3	6°55	0°52	11°52	25°29	8° 1	11°R50	11° 3	27°28	n.a.	W22
T 23	5 36 18	25° 0'28	18°14	4°15	17°54	25°45	6°51	0°57	11°52	25°31	8° 2	11°50	10°59	27°34	n.a.	T 23
F 24	5 40 15	26° 1'30	0♏15	5°39	19° 7	26°28	6°47	1° 2	11°52	25°32	8° 4	11°49	10°56	27°41	n.a.	F 24
S 25	5 44 12	27° 2'32	12°30	7° 4	20°20	27°10	6°42	1° 7	11°52	25°33	8° 5	11°45	10°53	27°47	n.a.	S 25
S 26	5 48 8	28° 3'33	25° 2	8°29	21°33	27°53	6°38	1°12	11°52	25°35	8° 6	11°38	10°50	27°54	n.a.	S 26
M27	5 52 5	29° 4'33	7♐54	9°56	22°46	28°35	6°33	1°16	11°51	25°36	8° 8	11°29	10°47	28° 1	n.a.	M27
T 28	5 56 1	0♑ 5'32	21° 7	11°23	23°59	29°18	6°28	1°21	11°D51	25°37	8° 9	11°17	10°44	28° 7	n.a.	T 28
W29	5 59 58	1° 6'30	4♑38	12°52	25°13	0♓ 0	6°23	1°26	11°51	25°38	8°10	11° 4	10°40	28°14	n.a.	W29
T 30	6 3 54	2° 7'26	18°26	14°21	26°26	0°42	6°17	1°30	11°52	25°40	8°11	10°51	10°37	28°21	n.a.	T 30
F 31	6 7 51	3♑ 8'21	2♒26	15♐50	27♏39	1♓25	6♌12	1♏35	11♈52	25♎41	8♒13	10♎40	10♎34	28♍27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	20s58	18s50	4n52	12s51	2n57	6s19	2n18	19s 5	1s10	19n41	1n 7	9s13	2n 9	4n20	0s35	7s59	1n56	32s 7	14s 2	5s26	4s52	0n35			n.a.
T 2	21 10	18 23	5 6	13 1	2 52	6 46	2 17	18 52	1 9	19 42	1 8	9 15	2 9	4 20	0 35	8 0	1 56	32 6	14 2	5 22	4 51	0 33			n.a.
F 3	21 21	16 53	5 3	13 14	2 47	7 14	2 17	18 39	1 7	19 42	1 8	9 17	2 9	4 19	0 35	8 1	1 56	32 6	14 2	5 19	4 50	0 31			n.a.
S 4	21 33	14 26	4 43	13 29	2 41	7 41	2 16	18 26	1 6	19 43	1 8	9 19	2 9	4 19	0 35	8 1	1 56	32 5	14 2	5 17	4 48	0 29			n.a.
S 5	21 43	11 8	4 6	13 47	2 34	8 8	2 15	18 12	1 5	19 43	1 9	9 21	2 9	4 18	0 35	8 2	1 56	32 5	14 1	5 15	4 47	0 27			n.a.
M 6	21 54	7 11	3 14	14 7	2 27	8 35	2 14	17 59	1 4	19 44	1 9	9 23	2 10	4 18	0 35	8 2	1 56	32 4	14 1	5 15	4 46	0 25			n.a.
T 7	22 4	2 48	2 11	14 28	2 19	9 2	2 13	17 45	1 3	19 44	1 9	9 25	2 10	4 18	0 35	8 3	1 56	32 4	14 1	5 15	4 45	0 23			n.a.
W 8	22 13	1n47	0 58	14 51	2 11	9 29	2 12	17 31	1 2	19 45	1 9	9 27	2 10	4 17	0 35	8 4	1 56	32 3	14 0	5 15	4 43	0 21			n.a.
T 9	22 22	6 17	0s18	15 14	2 3	9 55	2 11	17 17	1 1	19 46	1 10	9 29	2 10	4 17	0 35	8 4	1 56	32 3	14 0	5 15	4 42	0 20			n.a.
F 10	22 31	10 27	1 33	15 39	1 55	10 22	2 10	17 3	1 0	19 46	1 10	9 31	2 10	4 16	0 35	8 5	1 56	32 2	14 0	5 15	4 41	0 18			n.a.
S 11	22 39	13 59	2 42	16 4	1 46	10 48	2 8	16 49	0 58	19 47	1 10	9 33	2 10	4 16	0 35	8 5	1 56	32 2	14 0	5 13	4 40	0 16			n.a.
S 12	22 46	16 40	3 40	16 30	1 38	11 14	2 7	16 35	0 57	19 48	1 11	9 35	2 10	4 16	0 35	8 6	1 56	32 1	13 59	5 10	4 38	0 14			n.a.
M13	22 54	18 20	4 25	16 56	1 29	11 40	2 5	16 20	0 56	19 49	1 11	9 37	2 10	4 16	0 35	8 7	1 56	32 1	13 59	5 7	4 37	0 12			n.a.
T 14	23 1	18 52	4 52	17 23	1 21	12 5	2 4	16 6	0 55	19 50	1 11	9 39	2 10	4 15	0 35	8 7	1 56	32 0	13 59	5 3	4 36	0 10			n.a.
W15	23 7	18 19	5 3	17 49	1 12	12 30	2 2	15 51	0 54	19 51	1 11	9 41	2 11	4 15	0 35	8 8	1 56	32 0	13 59	4 58	4 35	0 8			n.a.
T 16	23 13	16 48	4 58	18 16	1 4	12 56	2 0	15 36	0 53	19 52	1 12	9 43	2 11	4 15	0 34	8 8	1 56	31 59	13 59	4 54	4 33	0 6			n.a.
F 17	23 18	14 30	4 37	18 42	0 55	13 20	1 58	15 21	0 52	19 53	1 12	9 44	2 11	4 15	0 34	8 9	1 56	31 58	13 58	4 50	4 32	0 4			n.a.
S 18	23 23	11 34	4 4	19 8	0 47	13 45	1 57	15 6	0 51	19 54	1 12	9 46	2 11	4 14	0 34	8 9	1 56	31 58	13 58	4 47	4 31	0 2			n.a.
S 19	23 27	8 13	3 20	19 34	0 38	14 9	1 55	14 51	0 50	19 55	1 13	9 48	2 11	4 14	0 34	8 10	1 56	31 57	13 58	4 46	4 30	0 1			n.a.
M20	23 31	4 35	2 28	19 59	0 30	14 33	1 53	14 36	0 49	19 56	1 13	9 50	2 11	4 14	0 34	8 10	1 56	31 57	13 58	4 45	4 28	0s 1			n.a.
T 21	23 35	0 48	1 31	20 24	0 22	14 56	1 51	14 21	0 48	19 58	1 13	9 51	2 11	4 14	0 34	8 11	1 56	31 56	13 57	4 45	4 27	0 3			n.a.
W22	23 38	3s 1	0 29	20 48	0 14	15 19	1 48	14 5	0 47	19 59	1 13	9 53	2 11	4 14	0 34	8 11	1 56	31 56	13 57	4 45	4 26	0 5			n.a.
T 23	23 41	6 43	0n34	21 12	0 6	15 42	1 46	13 50	0 46	20 0	1 14	9 55	2 12	4 14	0 34	8 12	1 57	31 55	13 57	4 45	4 24	0 7			n.a.
F 24	23 43	10 13	1 36	21 35	0s 2	16 5	1 44	13 34	0 45	20 2	1 14	9 56	2 12	4 14	0 34	8 12	1 57	31 55	13 57	4 44	4 23	0 9			n.a.
S 25	23 44	13 20	2 35	21 57	0 9	16 27	1 42	13 18	0 44	20 3	1 14	9 58	2 12	4 14	0 34	8 12	1 57	31 54	13 57	4 42	4 22	0 11			n.a.
S 26	23 45	15 56	3 28	22 18	0 17	16 48	1 39	13 3	0 43	20 5	1 14	10 0	2 12	4 14	0 34	8 13	1 57	31 54	13 57	4 40	4 21	0 13			n.a.
M27	23 46	17 48	4 11	22 39	0 24	17 10	1 37	12 47	0 42	20 6	1 15	10 1	2 12	4 14	0 34	8 13	1 57	31 53	13 56	4 36	4 19	0 15			n.a.
T 28	23 46	18 46	4 43	22 59	0 31	17 30	1 34	12 31	0 41	20 8	1 15	10 3	2 12	4 14	0 34	8 14	1 57	31 53	13 56	4 31	4 18	0 16			n.a.
W29	23 46	18 43	4 59	23 17	0 38	17 51	1 32	12 15	0 40	20 9	1 15	10 4	2 12	4 14	0 34	8 14	1 57	31 52	13 56	4 26	4 17	0 18			n.a.
T 30	23 45	17 34	4 58	23 35	0 45	18 11	1 29	11 59	0 39	20 11	1 15	10 6	2 13	4 14	0 34	8 14	1 57	31 52	13 56	4 21	4 16	0 20			n.a.
F 31	23s44	15s21	4n40	23s51	0s51	18s30	1n27	11s42	0s38	20n12	1n16	10s 7	2n13	4n14	0s34	8s15	1n57	31s51	13s56	4s17	4s14	0s22			n.a.

Julian Day Number = 1478135.5, Delta T = 05h25m04s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'22, Lahiri = -13°09'21 Julian Calendar 1 Dec. 667 BCE == Greg. Calendar 24 Nov. 667 BCE

The year -666 astronomical counting style corresponds to year 667 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

JANUARY 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 11 47	4♉ 9'15	16♒33	17♐21	28♏52	2♓ 7	6°R 6	1♏39	11♈52	25♎42	8♒14	10°R31	10♎31	28♍34	n.a.	S 1
S 2	6 15 44	5°10'07	0♓43	18°52	0♐ 6	2°50	6♌ 0	1°44	11°52	25°43	8°16	10♎24	10°28	28°41	n.a.	S 2
M 3	6 19 41	6°10'57	14°54	20°24	1°19	3°32	5°55	1°48	11°52	25°44	8°17	10°21	10°25	28°47	n.a.	M 3
T 4	6 23 37	7°11'46	29° 1	21°57	2°32	4°14	5°49	1°52	11°53	25°45	8°18	10°20	10°21	28°54	n.a.	T 4
W 5	6 27 34	8°12'33	13♈ 6	23°31	3°46	4°56	5°42	1°56	11°53	25°46	8°20	10°20	10°18	29° 1	n.a.	W 5
T 6	6 31 30	9°13'18	27° 6	25° 5	4°59	5°39	5°36	2° 0	11°54	25°47	8°21	10°20	10°15	29° 7	n.a.	T 6
F 7	6 35 27	10°14'01	11♉ 2	26°41	6°12	6°21	5°30	2° 4	11°54	25°48	8°23	10°17	10°12	29°14	n.a.	F 7
S 8	6 39 23	11°14'43	24°52	28°17	7°26	7° 3	5°23	2° 8	11°55	25°49	8°24	10°12	10° 9	29°21	n.a.	S 8
S 9	6 43 20	12°15'22	8♊35	29°54	8°39	7°45	5°17	2°12	11°55	25°50	8°25	10° 5	10° 5	29°27	n.a.	S 9
M10	6 47 16	13°16'00	22°10	1♋31	9°52	8°27	5°10	2°16	11°56	25°50	8°27	9°54	10° 2	29°34	n.a.	M10
T 11	6 51 13	14°16'37	5♋32	3°10	11° 6	9° 9	5° 3	2°19	11°57	25°51	8°28	9°41	9°59	29°41	n.a.	T 11
W12	6 55 10	15°17'11	18°41	4°49	12°19	9°51	4°56	2°23	11°58	25°52	8°30	9°28	9°56	29°47	n.a.	W12
T 13	6 59 6	16°17'44	1♌34	6°30	13°33	10°34	4°49	2°26	11°58	25°53	8°31	9°14	9°53	29°54	n.a.	T 13
F 14	7 3 3	17°18'16	14°10	8°11	14°46	11°16	4°42	2°30	11°59	25°53	8°33	9° 3	9°50	0♏ 0	n.a.	F 14
S 15	7 6 59	18°18'45	26°31	9°53	16° 0	11°57	4°35	2°33	12° 0	25°54	8°34	8°54	9°46	0° 7	n.a.	S 15
S 16	7 10 56	19°19'13	8♍37	11°36	17°13	12°39	4°27	2°36	12° 1	25°55	8°36	8°47	9°43	0°14	n.a.	S 16
M17	7 14 52	20°19'40	20°33	13°20	18°27	13°21	4°20	2°39	12° 2	25°55	8°37	8°44	9°40	0°20	n.a.	M17
T 18	7 18 49	21°20'05	2♎22	15° 5	19°40	14° 3	4°12	2°42	12° 3	25°56	8°39	8°43	9°37	0°27	n.a.	T 18
W19	7 22 45	22°20'28	14° 9	16°50	20°54	14°45	4° 5	2°45	12° 4	25°56	8°41	8°D42	9°34	0°34	n.a.	W19
T 20	7 26 42	23°20'50	26° 1	18°37	22° 7	15°27	3°57	2°48	12° 6	25°57	8°42	8°R43	9°31	0°40	n.a.	T 20
F 21	7 30 39	24°21'10	8♏ 1	20°25	23°21	16° 9	3°50	2°51	12° 7	25°57	8°44	8°42	9°27	0°47	n.a.	F 21
S 22	7 34 35	25°21'29	20°17	22°14	24°35	16°50	3°42	2°53	12° 8	25°58	8°45	8°39	9°24	0°54	n.a.	S 22
S 23	7 38 32	26°21'46	2♐52	24° 3	25°48	17°32	3°34	2°56	12°10	25°58	8°47	8°34	9°21	1° 0	n.a.	S 23
M24	7 42 28	27°22'02	15°50	25°54	27° 2	18°14	3°27	2°58	12°11	25°58	8°48	8°26	9°18	1° 7	n.a.	M24
T 25	7 46 25	28°22'15	29°13	27°46	28°15	18°56	3°19	3° 1	12°12	25°59	8°50	8°16	9°15	1°14	n.a.	T 25
W26	7 50 21	29°22'27	13♑ 0	29°38	29°29	19°37	3°11	3° 3	12°14	25°59	8°51	8° 5	9°11	1°20	n.a.	W26
T 27	7 54 18	0♒22'37	27° 8	1♒31	0♑43	20°19	3° 3	3° 5	12°15	25°59	8°53	7°54	9° 8	1°27	n.a.	T 27
F 28	7 58 14	1°22'46	11♒33	3°26	1°56	21° 0	2°55	3° 7	12°17	26° 0	8°55	7°43	9° 5	1°34	n.a.	F 28
S 29	8 2 11	2°22'52	26° 7	5°21	3°10	21°42	2°47	3° 9	12°18	26° 0	8°56	7°35	9° 2	1°40	n.a.	S 29
S 30	8 6 8	3°22'55	10♓44	7°16	4°23	22°24	2°40	3°11	12°20	26° 0	8°58	7°30	8°59	1°47	n.a.	S 30
M31	8 10 4	4♒22'57	25♓17	9♒12	5♑37	23♓ 5	2♌32	3♏13	12♈22	26♎ 0	8♒59	7♎27	8♎56	1♎53	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	12s13	4n 4	24s 7	0s58	18s49	1n24	11s26	0s37	20n14	1n16	10s 8	2n13	4n14	0s34	8s15	1n57	31s50	13s56	4s13	4s13	0s24		n.a.
S 2	23 40	8 22	3 13	24 21	1 4	19 8	1 22	11 10	0 36	20 16	1 16	10 10	2 13	4 14	0 34	8 16	1 57	31 50	13 55	4 11	4 12	0 26		n.a.
M 3	23 38	4 2	2 10	24 34	1 9	19 25	1 19	10 53	0 35	20 17	1 16	10 11	2 13	4 14	0 34	8 16	1 57	31 49	13 55	4 9	4 11	0 28		n.a.
T 4	23 34	0n31	1 0	24 46	1 15	19 43	1 16	10 37	0 34	20 19	1 17	10 12	2 13	4 15	0 34	8 16	1 57	31 49	13 55	4 9	4 9	0 30		n.a.
W 5	23 31	5 1	0s15	24 57	1 20	20 0	1 13	10 20	0 33	20 21	1 17	10 14	2 13	4 15	0 34	8 16	1 57	31 48	13 55	4 9	4 8	0 32		n.a.
T 6	23 27	9 13	1 27	25 6	1 25	20 16	1 10	10 4	0 32	20 23	1 17	10 15	2 14	4 15	0 34	8 17	1 57	31 48	13 55	4 9	4 7	0 33		n.a.
F 7	23 22	12 54	2 35	25 14	1 30	20 32	1 8	9 47	0 31	20 24	1 17	10 16	2 14	4 15	0 34	8 17	1 57	31 47	13 55	4 8	4 6	0 35		n.a.
S 8	23 17	15 49	3 32	25 20	1 34	20 47	1 5	9 30	0 30	20 26	1 18	10 17	2 14	4 16	0 34	8 17	1 57	31 47	13 55	4 6	4 4	0 37		n.a.
S 9	23 12	17 49	4 17	25 25	1 39	21 2	1 2	9 14	0 29	20 28	1 18	10 18	2 14	4 16	0 34	8 18	1 58	31 46	13 54	4 3	4 3	0 39		n.a.
M10	23 6	18 46	4 46	25 28	1 42	21 16	0 59	8 57	0 28	20 30	1 18	10 20	2 14	4 16	0 34	8 18	1 58	31 46	13 54	3 58	4 2	0 41		n.a.
T 11	23 0	18 40	4 59	25 30	1 46	21 30	0 56	8 40	0 27	20 32	1 18	10 21	2 14	4 16	0 34	8 18	1 58	31 45	13 54	3 53	4 0	0 43		n.a.
W12	22 53	17 33	4 56	25 30	1 49	21 42	0 53	8 23	0 26	20 34	1 18	10 22	2 15	4 17	0 34	8 18	1 58	31 45	13 54	3 48	3 59	0 45		n.a.
T 13	22 46	15 34	4 38	25 29	1 52	21 55	0 50	8 6	0 25	20 36	1 19	10 23	2 15	4 17	0 33	8 18	1 58	31 44	13 54	3 43	3 58	0 47		n.a.
F 14	22 38	12 52	4 7	25 25	1 55	22 6	0 47	7 49	0 24	20 38	1 19	10 24	2 15	4 17	0 33	8 19	1 58	31 44	13 54	3 38	3 57	0 48		n.a.
S 15	22 30	9 40	3 24	25 20	1 57	22 17	0 44	7 32	0 24	20 40	1 19	10 25	2 15	4 18	0 33	8 19	1 58	31 43	13 54	3 34	3 55	0 50		n.a.
S 16	22 22	6 6	2 32	25 14	1 59	22 28	0 41	7 15	0 23	20 42	1 19	10 26	2 15	4 18	0 33	8 19	1 58	31 43	13 54	3 32	3 54	0 52		n.a.
M17	22 13	2 21	1 35	25 5	2 0	22 38	0 38	6 58	0 22	20 44	1 19	10 27	2 15	4 19	0 33	8 19	1 58	31 42	13 54	3 31	3 53	0 54		n.a.
T 18	22 3	1s28	0 34	24 55	2 1	22 47	0 35	6 41	0 21	20 45	1 19	10 27	2 16	4 19	0 33	8 19	1 58	31 41	13 54	3 30	3 52	0 56		n.a.
W19	21 53	5 13	0n29	24 42	2 1	22 55	0 32	6 24	0 20	20 47	1 20	10 28	2 16	4 20	0 33	8 19	1 58	31 41	13 54	3 30	3 50	0 58		n.a.
T 20	21 43	8 47	1 31	24 28	2 2	23 3	0 29	6 6	0 19	20 49	1 20	10 29	2 16	4 20	0 33	8 20	1 58	31 40	13 53	3 30	3 49	1 0		n.a.
F 21	21 33	12 2	2 29	24 12	2 1	23 10	0 26	5 49	0 18	20 51	1 20	10 30	2 16	4 21	0 33	8 20	1 58	31 40	13 53	3 30	3 48	1 2		n.a.
S 22	21 22	14 49	3 22	23 53	2 0	23 16	0 23	5 32	0 17	20 53	1 20	10 31	2 16	4 21	0 33	8 20	1 58	31 39	13 53	3 29	3 47	1 4		n.a.
S 23	21 10	17 0	4 7	23 33	1 59	23 22	0 20	5 15	0 17	20 55	1 20	10 31	2 17	4 22	0 33	8 20	1 58	31 39	13 53	3 26	3 45	1 5		n.a.
M24	20 59	18 22	4 40	23 11	1 57	23 27	0 17	4 57	0 16	20 57	1 20	10 32	2 17	4 22	0 33	8 20	1 58	31 38	13 53	3 23	3 44	1 7		n.a.
T 25	20 46	18 47	4 59	22 46	1 55	23 31	0 14	4 40	0 15	20 59	1 20	10 33	2 17	4 23	0 33	8 20	1 59	31 38	13 53	3 19	3 43	1 9		n.a.
W26	20 34	18 8	5 2	22 20	1 52	23 35	0 12	4 23	0 14	21 1	1 21	10 33	2 17	4 24	0 33	8 20	1 59	31 38	13 53	3 15	3 41	1 11		n.a.
T 27	20 21	16 21	4 46	21 52	1 48	23 38	0 9	4 5	0 13	21 3	1 21	10 34	2 17	4 24	0 33	8 20	1 59	31 37	13 53	3 10	3 40	1 13		n.a.
F 28	20 8	13 31	4 12	21 21	1 44	23 40	0 6	3 48	0 12	21 5	1 21	10 34	2 18	4 25	0 33	8 20	1 59	31 37	13 53	3 6	3 39	1 15		n.a.
S 29	19 54	9 50	3 22	20 48	1 40	23 41	0 3	3 31	0 11	21 7	1 21	10 35	2 18	4 26	0 33	8 20	1 59	31 36	13 53	3 3	3 38	1 17		n.a.
S 30	19 40	5 32	2 17	20 14	1 35	23 42	0s 0	3 13	0 11	21 9	1 21	10 35	2 18	4 26	0 33	8 20	1 59	31 36	13 53	3 1	3 36	1 19		n.a.
M31	19s26	0s55	1n 5	19s37	1s29	23s42	0s 3	2s56	0s10	21n11	1n21	10s36	2n18	4n27	0s33	8s20	1n59	31s35	13s53	3s 0	3s35	1s20		n.a.

Julian Day Number = 1478166.5, Delta T = 05h25m03s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'18, Lahiri = -13°09'17 Julian Calendar 1 Jan. 666 BCE == Greg. Calendar 25 Dec. 667 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

FEBRUARY 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 14 1	5♒22'56	9♈42	11♒ 9	6♉51	23♓47	2°R24	3♏15	12♈24	26♎ 0	9♒ 1	7°D27	8♎52	2♎ 0	n.a.	T 1
W 2	8 17 57	6°22'53	23°55	13° 6	8° 4	24°28	2♌16	3°16	12°25	26° 0	9° 3	7♎27	8°49	2° 7	n.a.	W 2
T 3	8 21 54	7°22'47	7♉56	15° 3	9°18	25° 9	2° 8	3°18	12°27	26°R 0	9° 4	7°R28	8°46	2°13	n.a.	T 3
F 4	8 25 50	8°22'40	21°44	16°59	10°31	25°51	2° 0	3°19	12°29	26° 0	9° 6	7°27	8°43	2°20	n.a.	F 4
S 5	8 29 47	9°22'30	5♊19	18°56	11°45	26°32	1°53	3°21	12°31	26° 0	9° 7	7°24	8°40	2°27	n.a.	S 5
S 6	8 33 43	10°22'17	18°42	20°51	12°59	27°13	1°45	3°22	12°33	26° 0	9° 9	7°19	8°36	2°33	n.a.	S 6
M 7	8 37 40	11°22'02	1♋53	22°46	14°12	27°55	1°37	3°23	12°35	26° 0	9°11	7°11	8°33	2°40	n.a.	M 7
T 8	8 41 37	12°21'45	14°52	24°39	15°26	28°36	1°30	3°24	12°37	26° 0	9°12	7° 2	8°30	2°47	n.a.	T 8
W 9	8 45 33	13°21'26	27°38	26°31	16°40	29°17	1°22	3°25	12°39	26° 0	9°14	6°52	8°27	2°53	n.a.	W 9
T 10	8 49 30	14°21'04	10♌13	28°20	17°53	29°58	1°15	3°26	12°41	25°59	9°15	6°42	8°24	3° 0	n.a.	T 10
F 11	8 53 26	15°20'40	22°35	0♓ 7	19° 7	0♈39	1° 7	3°26	12°44	25°59	9°17	6°33	8°21	3° 7	n.a.	F 11
S 12	8 57 23	16°20'14	4♍45	1°50	20°20	1°20	1° 0	3°27	12°46	25°59	9°19	6°27	8°17	3°13	n.a.	S 12
S 13	9 1 19	17°19'46	16°45	3°30	21°34	2° 2	0°53	3°28	12°48	25°59	9°20	6°22	8°14	3°20	n.a.	S 13
M14	9 5 16	18°19'16	28°38	5° 6	22°48	2°43	0°45	3°28	12°50	25°58	9°22	6°20	8°11	3°27	n.a.	M14
T 15	9 9 12	19°18'44	10♎26	6°38	24° 1	3°24	0°38	3°28	12°53	25°58	9°23	6°D20	8° 8	3°33	n.a.	T 15
W16	9 13 9	20°18'10	22°13	8° 4	25°15	4° 5	0°31	3°29	12°55	25°57	9°25	6°21	8° 5	3°40	n.a.	W16
T 17	9 17 5	21°17'34	4♏ 4	9°25	26°29	4°45	0°24	3°29	12°57	25°57	9°27	6°22	8° 2	3°46	n.a.	T 17
F 18	9 21 2	22°16'56	16° 4	10°40	27°42	5°26	0°17	3°R29	13° 0	25°57	9°28	6°23	7°58	3°53	n.a.	F 18
S 19	9 24 59	23°16'16	28°18	11°49	28°56	6° 7	0°11	3°29	13° 2	25°56	9°30	6°R23	7°55	4° 0	n.a.	S 19
S 20	9 28 55	24°15'35	10♐51	12°52	0♒ 9	6°48	0° 4	3°29	13° 5	25°56	9°31	6°22	7°52	4° 6	n.a.	S 20
M21	9 32 52	25°14'51	23°47	13°48	1°23	7°29	29♋57	3°28	13° 7	25°55	9°33	6°19	7°49	4°13	n.a.	M21
T 22	9 36 48	26°14'06	7♑10	14°37	2°37	8°10	29°51	3°28	13°10	25°54	9°34	6°14	7°46	4°20	n.a.	T 22
W23	9 40 45	27°13'19	21° 0	15°19	3°50	8°50	29°45	3°28	13°13	25°54	9°36	6° 8	7°42	4°26	n.a.	W23
T 24	9 44 41	28°12'29	5♒16	15°54	5° 4	9°31	29°38	3°27	13°15	25°53	9°37	6° 2	7°39	4°33	n.a.	T 24
F 25	9 48 38	29°11'38	19°54	16°21	6°18	10°12	29°32	3°26	13°18	25°52	9°39	5°56	7°36	4°40	n.a.	F 25
S 26	9 52 34	0♓10'44	4♓46	16°41	7°31	10°53	29°26	3°26	13°21	25°52	9°40	5°52	7°33	4°46	n.a.	S 26
S 27	9 56 31	1° 9'49	19°45	16°54	8°45	11°33	29°21	3°25	13°23	25°51	9°42	5°49	7°30	4°53	n.a.	S 27
M28	10 0 28	2♓ 8'51	4♈42	17°R 0	9♒58	12♈14	29♋15	3♏24	13♈26	25♎50	9♒43	5°D49	7♎27	5♎ 0	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19s11	3n43	0s12	18s59	1s22	23s41	0s 6	2s39	0s 9	21n13	1n21	10s36	2n18	4n28	0s33	8s20	1n59	31s35	13s53	3s 0	3s34	1s22			n.a.
W 2	18 56	8 4	1 27	18 19	1 15	23 40	0 9	2 21	0 8	21 15	1 21	10 37	2 19	4 28	0 33	8 20	1 59	31 34	13 53	3 0	3 33	1 24			n.a.
T 3	18 41	11 54	2 36	17 37	1 7	23 38	0 11	2 4	0 7	21 17	1 21	10 37	2 19	4 29	0 33	8 20	1 59	31 34	13 53	3 0	3 31	1 26			n.a.
F 4	18 25	15 0	3 34	16 54	0 59	23 35	0 14	1 47	0 7	21 19	1 21	10 37	2 19	4 30	0 33	8 20	1 59	31 33	13 53	3 0	3 30	1 28			n.a.
S 5	18 9	17 14	4 19	16 9	0 50	23 32	0 17	1 29	0 6	21 20	1 21	10 37	2 19	4 31	0 33	8 20	1 59	31 33	13 53	2 59	3 29	1 30			n.a.
S 6	17 53	18 28	4 50	15 22	0 40	23 27	0 20	1 12	0 5	21 22	1 21	10 38	2 19	4 32	0 33	8 20	1 59	31 32	13 53	2 56	3 28	1 32			n.a.
M 7	17 37	18 41	5 4	14 35	0 30	23 22	0 22	0 54	0 4	21 24	1 22	10 38	2 19	4 32	0 33	8 20	1 59	31 32	13 53	2 53	3 26	1 34			n.a.
T 8	17 20	17 55	5 3	13 47	0 19	23 17	0 25	0 37	0 4	21 26	1 22	10 38	2 20	4 33	0 33	8 20	1 59	31 32	13 53	2 50	3 25	1 35			n.a.
W 9	17 3	16 15	4 46	12 58	0 7	23 10	0 27	0 20	0 3	21 27	1 22	10 38	2 20	4 34	0 33	8 19	1 59	31 31	13 53	2 46	3 24	1 37			n.a.
T 10	16 45	13 50	4 16	12 9	0n 5	23 3	0 30	0 3	0 2	21 29	1 22	10 38	2 20	4 35	0 33	8 19	2 0	31 31	13 53	2 42	3 22	1 39			n.a.
F 11	16 28	10 49	3 33	11 19	0 17	22 56	0 33	0n15	0 1	21 31	1 22	10 38	2 20	4 36	0 33	8 19	2 0	31 30	13 53	2 38	3 21	1 41			n.a.
S 12	16 10	7 24	2 42	10 30	0 30	22 47	0 35	0 32	0 1	21 33	1 22	10 38	2 20	4 37	0 32	8 19	2 0	31 30	13 54	2 36	3 20	1 43			n.a.
S 13	15 51	3 43	1 44	9 42	0 43	22 38	0 37	0 49	0n 0	21 34	1 22	10 38	2 21	4 38	0 32	8 19	2 0	31 30	13 54	2 34	3 19	1 45			n.a.
M14	15 33	0s 5	0 42	8 54	0 56	22 28	0 40	1 6	0 1	21 36	1 22	10 38	2 21	4 39	0 32	8 19	2 0	31 29	13 54	2 33	3 17	1 47			n.a.
T 15	15 14	3 51	0n22	8 8	1 9	22 18	0 42	1 24	0 2	21 37	1 22	10 38	2 21	4 39	0 32	8 18	2 0	31 29	13 54	2 33	3 16	1 49			n.a.
W16	14 55	7 27	1 25	7 23	1 23	22 7	0 44	1 41	0 2	21 39	1 22	10 38	2 21	4 40	0 32	8 18	2 0	31 28	13 54	2 33	3 15	1 50			n.a.
T 17	14 36	10 47	2 25	6 40	1 36	21 55	0 47	1 58	0 3	21 40	1 22	10 38	2 21	4 41	0 32	8 18	2 0	31 28	13 54	2 34	3 14	1 52			n.a.
F 18	14 17	13 42	3 19	5 59	1 49	21 43	0 49	2 15	0 4	21 42	1 22	10 38	2 22	4 42	0 32	8 18	2 0	31 28	13 54	2 34	3 12	1 54			n.a.
S 19	13 57	16 5	4 5	5 21	2 2	21 30	0 51	2 32	0 5	21 43	1 22	10 38	2 22	4 43	0 32	8 18	2 0	31 27	13 54	2 34	3 11	1 56			n.a.
S 20	13 37	17 45	4 41	4 45	2 14	21 16	0 53	2 49	0 5	21 45	1 22	10 37	2 22	4 44	0 32	8 17	2 0	31 27	13 54	2 34	3 10	1 58			n.a.
M21	13 17	18 34	5 3	4 13	2 26	21 2	0 55	3 6	0 6	21 46	1 22	10 37	2 22	4 45	0 32	8 17	2 0	31 27	13 54	2 32	3 8	2 0			n.a.
T 22	12 57	18 24	5 11	3 43	2 37	20 47	0 57	3 23	0 7	21 48	1 22	10 37	2 22	4 46	0 32	8 17	2 0	31 26	13 54	2 30	3 7	2 2			n.a.
W23	12 36	17 9	5 0	3 17	2 48	20 31	0 59	3 40	0 7	21 49	1 22	10 37	2 23	4 48	0 32	8 16	2 0	31 26	13 55	2 28	3 6	2 3			n.a.
T 24	12 16	14 50	4 32	2 55	2 58	20 15	1 1	3 57	0 8	21 50	1 22	10 36	2 23	4 49	0 32	8 16	2 0	31 26	13 55	2 26	3 5	2 5			n.a.
F 25	11 55	11 30	3 44	2 36	3 6	19 58	1 3	4 14	0 9	21 51	1 21	10 36	2 23	4 50	0 32	8 16	2 0	31 25	13 55	2 23	3 3	2 7			n.a.
S 26	11 34	7 24	2 41	2 21	3 14	19 41	1 5	4 30	0 9	21 53	1 21	10 35	2 23	4 51	0 32	8 16	2 1	31 25	13 55	2 22	3 2	2 9			n.a.
S 27	11 13	2 47	1 27	2 10	3 21	19 23	1 6	4 47	0 10	21 54	1 21	10 35	2 23	4 52	0 32	8 15	2 1	31 25	13 55	2 21	3 1	2 11			n.a.
M28	10s51	1n59	0n 6	2s 3	3n26	19s 5	1s 8	5n 4	0n11	21n55	1n21	10s34	2n24	4n53	0s32	8s15	2n 1	31s24	13s55	2s20	3s 0	2s13			n.a.

Julian Day Number = 1478197.5, Delta T = 05h25m01s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'13, Lahiri = -13°09'13 Julian Calendar 1 Feb. 666 BCE == Greg. Calendar 25 Jan. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

MARCH 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 4 24	3♓ 7'50	19♈30	16°R58	11♒12	12♈54	29°R10	3°R23	13♈29	25°R49	9♒45	5♎49	7♎23	5♎ 6	n.a.	T 1
W 2	10 8 21	4° 6'47	4♉ 1	16♓50	12°26	13°35	29♋ 4	3♏22	13°32	25♎49	9°46	5°50	7°20	5°13	n.a.	W 2
T 3	10 12 17	5° 5'42	18°15	16°35	13°39	14°15	28°59	3°20	13°35	25°48	9°48	5°52	7°17	5°19	n.a.	T 3
F 4	10 16 14	6° 4'35	2♊ 7	16°14	14°53	14°56	28°54	3°19	13°38	25°47	9°49	5°R53	7°14	5°26	n.a.	F 4
S 5	10 20 10	7° 3'25	15°40	15°47	16° 7	15°36	28°49	3°18	13°40	25°46	9°51	5°52	7°11	5°33	n.a.	S 5
S 6	10 24 7	8° 2'12	28°54	15°16	17°20	16°17	28°44	3°16	13°43	25°45	9°52	5°51	7° 8	5°39	n.a.	S 6
M 7	10 28 3	9° 0'58	11♋51	14°40	18°34	16°57	28°40	3°14	13°46	25°44	9°54	5°48	7° 4	5°46	n.a.	M 7
T 8	10 32 0	9°59'40	24°33	14° 1	19°47	17°37	28°35	3°13	13°49	25°43	9°55	5°44	7° 1	5°53	n.a.	T 8
W 9	10 35 56	10°58'21	7♌ 1	13°19	21° 1	18°18	28°31	3°11	13°52	25°42	9°57	5°40	6°58	5°59	n.a.	W 9
T 10	10 39 53	11°56'59	19°19	12°35	22°14	18°58	28°27	3° 9	13°55	25°41	9°58	5°36	6°55	6° 6	n.a.	T 10
F 11	10 43 50	12°55'35	1♍26	11°50	23°28	19°38	28°23	3° 7	13°59	25°40	9°59	5°33	6°52	6°13	n.a.	F 11
S 12	10 47 46	13°54'09	13°26	11° 5	24°42	20°18	28°19	3° 5	14° 2	25°39	10° 1	5°31	6°48	6°19	n.a.	S 12
S 13	10 51 43	14°52'41	25°19	10°21	25°55	20°59	28°16	3° 3	14° 5	25°38	10° 2	5°29	6°45	6°26	n.a.	S 13
M14	10 55 39	15°51'11	7♎ 8	9°38	27° 9	21°39	28°12	3° 1	14° 8	25°37	10° 3	5°D29	6°42	6°33	n.a.	M14
T 15	10 59 36	16°49'39	18°55	8°57	28°22	22°19	28° 9	2°59	14°11	25°36	10° 5	5°29	6°39	6°39	n.a.	T 15
W16	11 3 32	17°48'05	0♏44	8°20	29°36	22°59	28° 6	2°56	14°14	25°34	10° 6	5°30	6°36	6°46	n.a.	W16
T 17	11 7 29	18°46'29	12°37	7°45	0♓49	23°39	28° 3	2°54	14°17	25°33	10° 7	5°32	6°33	6°52	n.a.	T 17
F 18	11 11 25	19°44'52	24°38	7°14	2° 3	24°19	28° 0	2°51	14°21	25°32	10° 9	5°33	6°29	6°59	n.a.	F 18
S 19	11 15 22	20°43'13	6♐53	6°48	3°17	24°59	27°58	2°48	14°24	25°31	10°10	5°34	6°26	7° 6	n.a.	S 19
S 20	11 19 18	21°41'32	19°24	6°26	4°30	25°39	27°55	2°46	14°27	25°29	10°11	5°R35	6°23	7°12	n.a.	S 20
M21	11 23 15	22°39'50	2♑16	6° 9	5°44	26°19	27°53	2°43	14°30	25°28	10°12	5°35	6°20	7°19	n.a.	M21
T 22	11 27 12	23°38'06	15°33	5°57	6°57	26°59	27°51	2°40	14°34	25°27	10°14	5°34	6°17	7°26	n.a.	T 22
W23	11 31 8	24°36'20	29°17	5°50	8°11	27°39	27°49	2°37	14°37	25°26	10°15	5°33	6°13	7°32	n.a.	W23
T 24	11 35 5	25°34'33	13♒28	5°D48	9°24	28°19	27°48	2°34	14°40	25°24	10°16	5°31	6°10	7°39	n.a.	T 24
F 25	11 39 1	26°32'43	28° 3	5°50	10°38	28°58	27°46	2°31	14°44	25°23	10°17	5°30	6° 7	7°46	n.a.	F 25
S 26	11 42 58	27°30'53	12♓58	5°58	11°52	29°38	27°45	2°28	14°47	25°21	10°18	5°30	6° 4	7°52	n.a.	S 26
S 27	11 46 54	28°29'00	28° 6	6°10	13° 5	0♉18	27°44	2°25	14°50	25°20	10°20	5°29	6° 1	7°59	n.a.	S 27
M28	11 50 51	29°27'06	13♈16	6°27	14°19	0°58	27°43	2°21	14°54	25°19	10°21	5°D29	5°58	8° 6	n.a.	M28
T 29	11 54 47	0♈25'10	28°21	6°49	15°32	1°37	27°42	2°18	14°57	25°17	10°22	5°29	5°54	8°12	n.a.	T 29
W30	11 58 44	1°23'11	13♉11	7°15	16°46	2°17	27°42	2°15	15° 0	25°16	10°23	5°30	5°51	8°19	n.a.	W30
T 31	12 2 41	2♈21'11	27♉40	7♓45	17♓59	2♉57	27♋41	2♏11	15♈ 4	25♎14	10♒24	5♎30	5♎48	8♎26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	10s30	6n35	1s14	2s 0	3n30	18s46	1s10	5n20	0n11	21n56	1n21	10s34	2n24	4n54	0s32	8s15	2n 1	31s24	13s55	2s21	2s58	2s15			n.a.
W 2	10 8	10 43	2 28	2 1	3 32	18 27	1 11	5 37	0 12	21 57	1 21	10 33	2 24	4 55	0 32	8 14	2 1	31 24	13 56	2 21	2 57	2 16			n.a.
T 3	9 46	14 7	3 32	2 6	3 33	18 7	1 13	5 54	0 13	21 58	1 21	10 33	2 24	4 56	0 32	8 14	2 1	31 24	13 56	2 22	2 56	2 18			n.a.
F 4	9 25	16 36	4 21	2 15	3 32	17 47	1 14	6 10	0 13	21 59	1 21	10 32	2 24	4 58	0 32	8 14	2 1	31 23	13 56	2 22	2 55	2 20			n.a.
S 5	9 2	18 6	4 55	2 27	3 30	17 26	1 16	6 26	0 14	22 0	1 21	10 31	2 24	4 59	0 32	8 13	2 1	31 23	13 56	2 22	2 53	2 22			n.a.
S 6	8 40	18 34	5 12	2 43	3 26	17 4	1 17	6 43	0 15	22 1	1 21	10 31	2 25	5 0	0 32	8 13	2 1	31 23	13 56	2 21	2 52	2 24			n.a.
M 7	8 18	18 3	5 12	3 2	3 21	16 43	1 18	6 59	0 15	22 2	1 21	10 30	2 25	5 1	0 32	8 12	2 1	31 23	13 56	2 20	2 51	2 26			n.a.
T 8	7 56	16 38	4 57	3 24	3 14	16 20	1 19	7 15	0 16	22 3	1 21	10 29	2 25	5 2	0 32	8 12	2 1	31 22	13 57	2 19	2 49	2 28			n.a.
W 9	7 33	14 27	4 29	3 48	3 5	15 57	1 20	7 31	0 17	22 4	1 21	10 29	2 25	5 4	0 32	8 12	2 1	31 22	13 57	2 17	2 48	2 29			n.a.
T 10	7 11	11 38	3 48	4 14	2 55	15 34	1 21	7 48	0 17	22 4	1 20	10 28	2 25	5 5	0 32	8 11	2 1	31 22	13 57	2 15	2 47	2 31			n.a.
F 11	6 48	8 22	2 57	4 42	2 43	15 11	1 22	8 4	0 18	22 5	1 20	10 27	2 25	5 6	0 32	8 11	2 1	31 22	13 57	2 14	2 46	2 33			n.a.
S 12	6 25	4 47	1 59	5 11	2 31	14 47	1 23	8 20	0 18	22 6	1 20	10 26	2 26	5 7	0 32	8 10	2 1	31 21	13 57	2 13	2 44	2 35			n.a.
S 13	6 2	1 2	0 56	5 41	2 17	14 22	1 24	8 35	0 19	22 6	1 20	10 25	2 26	5 8	0 32	8 10	2 1	31 21	13 58	2 12	2 43	2 37			n.a.
M14	5 39	2s44	0n 9	6 10	2 3	13 58	1 25	8 51	0 20	22 7	1 20	10 24	2 26	5 10	0 32	8 9	2 1	31 21	13 58	2 12	2 42	2 39			n.a.
T 15	5 16	6 23	1 14	6 40	1 47	13 32	1 26	9 7	0 20	22 7	1 20	10 23	2 26	5 11	0 32	8 9	2 1	31 21	13 58	2 13	2 41	2 41			n.a.
W16	4 53	9 47	2 15	7 9	1 32	13 7	1 26	9 23	0 21	22 8	1 20	10 22	2 26	5 12	0 32	8 8	2 1	31 21	13 58	2 13	2 39	2 42			n.a.
T 17	4 30	12 48	3 12	7 37	1 16	12 41	1 27	9 38	0 21	22 8	1 20	10 21	2 26	5 13	0 32	8 8	2 1	31 20	13 59	2 14	2 38	2 44			n.a.
F 18	4 7	15 19	4 0	8 3	0 59	12 15	1 27	9 54	0 22	22 9	1 20	10 20	2 26	5 15	0 32	8 7	2 1	31 20	13 59	2 14	2 37	2 46			n.a.
S 19	3 44	17 11	4 39	8 28	0 43	11 48	1 28	10 9	0 23	22 9	1 19	10 19	2 27	5 16	0 32	8 7	2 2	31 20	13 59	2 15	2 35	2 48			n.a.
S 20	3 20	18 17	5 5	8 51	0 27	11 22	1 28	10 24	0 23	22 10	1 19	10 18	2 27	5 17	0 32	8 6	2 2	31 20	13 59	2 15	2 34	2 50			n.a.
M21	2 57	18 28	5 17	9 12	0 11	10 54	1 29	10 40	0 24	22 10	1 19	10 17	2 27	5 19	0 32	8 6	2 2	31 20	13 59	2 15	2 33	2 52			n.a.
T 22	2 34	17 41	5 13	9 31	0s 4	10 27	1 29	10 55	0 24	22 10	1 19	10 16	2 27	5 20	0 32	8 5	2 2	31 20	14 0	2 14	2 32	2 54			n.a.
W23	2 10	15 51	4 51	9 48	0 19	9 59	1 29	11 10	0 25	22 10	1 19	10 15	2 27	5 21	0 32	8 5	2 2	31 20	14 0	2 14	2 30	2 55			n.a.
T 24	1 47	13 1	4 11	10 2	0 34	9 31	1 29	11 25	0 25	22 11	1 19	10 14	2 27	5 23	0 32	8 4	2 2	31 20	14 0	2 13	2 29	2 57			n.a.
F 25	1 24	9 18	3 13	10 14	0 48	9 3	1 29	11 40	0 26	22 11	1 19	10 13	2 27	5 24	0 32	8 4	2 2	31 19	14 1	2 13	2 28	2 59			n.a.
S 26	1 0	4 54	2 2	10 24	1 1	8 35	1 29	11 55	0 27	22 11	1 19	10 12	2 27	5 25	0 32	8 3	2 2	31 19	14 1	2 13	2 26	3 1			n.a.
S 27	0 37	0 9	0 41	10 31	1 14	8 6	1 29	12 9	0 27	22 11	1 18	10 10	2 28	5 27	0 32	8 3	2 2	31 19	14 1	2 13	2 25	3 3			n.a.
M28	0 13	4n39	0s43	10 35	1 26	7 37	1 29	12 24	0 28	22 11	1 18	10 9	2 28	5 28	0 32	8 2	2 2	31 19	14 1	2 13	2 24	3 5			n.a.
T 29	0n10	9 7	2 4	10 38	1 37	7 8	1 29	12 39	0 28	22 11	1 18	10 8	2 28	5 29	0 32	8 2	2 2	31 19	14 2	2 13	2 23	3 6			n.a.
W30	0 34	12 55	3 15	10 38	1 47	6 39	1 28	12 53	0 29	22 11	1 18	10 7	2 28	5 31	0 31	8 1	2 2	31 19	14 2	2 13	2 21	3 8			n.a.
T 31	0n57	15n50	4s11	10s35	1s57	6s10	1s28	13n 7	0n29	22n11	1n18	10s 5	2n28	5n32	0s31	8s 1	2n 2	31s19	14s 2	2s13	2s20	3s10			n.a.

Julian Day Number = 1478225.5, Delta T = 05h25m00s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'10, Lahiri = -13°09'09 Julian Calendar 1 March 666 BCE == Greg. Calendar 22 Feb. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

APRIL 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 6 37	3♈19'09	11♊45	8♓19	19♓13	3♉36	27°D41	2°R 8	15♈ 7	25°R13	10♒25	5♎30	5♎45	8♎32	n.a.	F 1
S 2	12 10 34	4°17'05	25°24	8°57	20°26	4°16	27♋41	2♏ 4	15°11	25♎11	10°26	5°31	5°42	8°39	n.a.	S 2
S 3	12 14 30	5°15'00	8♋39	9°39	21°40	4°56	27°42	2° 1	15°14	25°10	10°27	5°31	5°39	8°45	n.a.	S 3
M 4	12 18 27	6°12'52	21°32	10°25	22°54	5°35	27°42	1°57	15°18	25° 8	10°28	5°31	5°35	8°52	n.a.	M 4
T 5	12 22 23	7°10'42	4♌ 6	11°14	24° 7	6°15	27°43	1°53	15°21	25° 7	10°29	5°31	5°32	8°59	n.a.	T 5
W 6	12 26 20	8° 8'30	16°24	12° 6	25°21	6°54	27°43	1°49	15°24	25° 5	10°30	5°31	5°29	9° 5	n.a.	W 6
T 7	12 30 16	9° 6'17	28°30	13° 2	26°34	7°34	27°44	1°45	15°28	25° 4	10°31	5°31	5°26	9°12	n.a.	T 7
F 8	12 34 13	10° 4'01	10♍27	14° 1	27°48	8°13	27°45	1°41	15°31	25° 2	10°32	5°32	5°23	9°19	n.a.	F 8
S 9	12 38 9	11° 1'44	22°18	15° 2	29° 1	8°53	27°47	1°38	15°35	25° 1	10°33	5°32	5°19	9°25	n.a.	S 9
S 10	12 42 6	11°59'26	4♎ 7	16° 7	0♈15	9°32	27°48	1°34	15°38	24°59	10°34	5°R32	5°16	9°32	n.a.	S 10
M11	12 46 3	12°57'06	15°54	17°15	1°28	10°11	27°50	1°30	15°42	24°58	10°35	5°32	5°13	9°39	n.a.	M11
T 12	12 49 59	13°54'44	27°44	18°25	2°42	10°51	27°52	1°25	15°45	24°56	10°36	5°32	5°10	9°45	n.a.	T 12
W13	12 53 56	14°52'21	9♏37	19°38	3°55	11°30	27°54	1°21	15°49	24°54	10°36	5°31	5° 7	9°52	n.a.	W13
T 14	12 57 52	15°49'57	21°36	20°54	5° 9	12° 9	27°56	1°17	15°52	24°53	10°37	5°29	5° 4	9°59	n.a.	T 14
F 15	13 1 49	16°47'32	3♐44	22°12	6°22	12°48	27°58	1°13	15°56	24°51	10°38	5°28	5° 0	10° 5	n.a.	F 15
S 16	13 5 45	17°45'05	16° 4	23°32	7°36	13°28	28° 1	1° 9	15°59	24°50	10°39	5°26	4°57	10°12	n.a.	S 16
S 17	13 9 42	18°42'37	28°38	24°56	8°49	14° 7	28° 3	1° 5	16° 3	24°48	10°40	5°25	4°54	10°18	n.a.	S 17
M18	13 13 38	19°40'09	11♑30	26°21	10° 3	14°46	28° 6	1° 0	16° 6	24°46	10°40	5°24	4°51	10°25	n.a.	M18
T 19	13 17 35	20°37'39	24°43	27°49	11°16	15°25	28° 9	0°56	16° 9	24°45	10°41	5°D24	4°48	10°32	n.a.	T 19
W20	13 21 32	21°35'09	8♒18	29°20	12°30	16° 4	28°13	0°52	16°13	24°43	10°42	5°25	4°44	10°38	n.a.	W20
T 21	13 25 28	22°32'37	22°17	0♈52	13°44	16°44	28°16	0°47	16°16	24°42	10°42	5°26	4°41	10°45	n.a.	T 21
F 22	13 29 25	23°30'05	6♓41	2°28	14°57	17°23	28°20	0°43	16°20	24°40	10°43	5°27	4°38	10°52	n.a.	F 22
S 23	13 33 21	24°27'31	21°25	4° 5	16°11	18° 2	28°23	0°39	16°23	24°38	10°44	5°28	4°35	10°58	n.a.	S 23
S 24	13 37 18	25°24'57	6♈25	5°45	17°24	18°41	28°27	0°34	16°27	24°37	10°44	5°R28	4°32	11° 5	n.a.	S 24
M25	13 41 14	26°22'21	21°33	7°27	18°38	19°20	28°31	0°30	16°30	24°35	10°45	5°28	4°29	11°12	n.a.	M25
T 26	13 45 11	27°19'45	6♉41	9°11	19°51	19°59	28°35	0°26	16°34	24°34	10°45	5°26	4°25	11°18	n.a.	T 26
W27	13 49 7	28°17'08	21°39	10°58	21° 5	20°38	28°40	0°21	16°37	24°32	10°46	5°24	4°22	11°25	n.a.	W27
T 28	13 53 4	29°14'29	6♊18	12°47	22°18	21°17	28°44	0°17	16°40	24°30	10°46	5°20	4°19	11°32	n.a.	T 28
F 29	13 57 1	0♉11'49	20°34	14°39	23°32	21°56	28°49	0°12	16°44	24°29	10°47	5°17	4°16	11°38	n.a.	F 29
S 30	14 0 57	1♉ 9'08	4♋22	16♈32	24♈46	22♉35	28♋54	0♏ 8	16♈47	24♎27	10♒47	5♎14	4♎13	11♎45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n20	17n42	4s51	10s30	2s 6	5s40	1s28	13n21	0n30	22n11	1n18	10s 4	2n28	5n33	0s31	8s 0	2n 2	31s19	14s 2	2s13	2s19	3s12		n.a.
S 2	1 44	18 29	5 13	10 23	2 14	5 10	1 27	13 36	0 30	22 11	1 17	10 3	2 28	5 35	0 31	7 59	2 2	31 19	14 3	2 13	2 18	3 14		n.a.
S 3	2 7	18 12	5 18	10 14	2 21	4 40	1 27	13 50	0 31	22 11	1 17	10 1	2 28	5 36	0 31	7 59	2 2	31 19	14 3	2 13	2 16	3 16		n.a.
M 4	2 30	16 59	5 6	10 3	2 28	4 10	1 26	14 4	0 31	22 10	1 17	10 0	2 28	5 37	0 31	7 58	2 2	31 19	14 3	2 13	2 15	3 18		n.a.
T 5	2 53	14 59	4 39	9 49	2 34	3 40	1 25	14 17	0 32	22 10	1 17	9 59	2 28	5 39	0 31	7 58	2 2	31 19	14 4	2 13	2 14	3 19		n.a.
W 6	3 16	12 19	4 1	9 34	2 39	3 10	1 25	14 31	0 32	22 10	1 17	9 57	2 28	5 40	0 31	7 57	2 2	31 19	14 4	2 13	2 12	3 21		n.a.
T 7	3 39	9 10	3 12	9 16	2 44	2 40	1 24	14 45	0 33	22 9	1 17	9 56	2 28	5 41	0 31	7 57	2 2	31 19	14 4	2 13	2 11	3 23		n.a.
F 8	4 2	5 40	2 15	8 57	2 47	2 9	1 23	14 58	0 33	22 9	1 17	9 54	2 29	5 43	0 31	7 56	2 2	31 19	14 5	2 14	2 10	3 25		n.a.
S 9	4 25	1 59	1 13	8 35	2 50	1 39	1 22	15 11	0 34	22 9	1 16	9 53	2 29	5 44	0 31	7 55	2 2	31 19	14 5	2 14	2 9	3 27		n.a.
S 10	4 48	1s47	0 8	8 12	2 53	1 8	1 21	15 25	0 34	22 8	1 16	9 52	2 29	5 45	0 31	7 55	2 2	31 19	14 5	2 14	2 7	3 29		n.a.
M11	5 11	5 28	0n57	7 46	2 54	0 38	1 20	15 38	0 35	22 8	1 16	9 50	2 29	5 47	0 31	7 54	2 2	31 19	14 6	2 14	2 6	3 30		n.a.
T 12	5 34	8 57	2 0	7 19	2 55	0 7	1 19	15 51	0 35	22 7	1 16	9 49	2 29	5 48	0 31	7 54	2 2	31 19	14 6	2 13	2 5	3 32		n.a.
W13	5 56	12 5	2 58	6 51	2 55	0n23	1 18	16 3	0 36	22 7	1 16	9 47	2 29	5 49	0 31	7 53	2 2	31 19	14 6	2 13	2 4	3 34		n.a.
T 14	6 19	14 44	3 49	6 20	2 55	0 54	1 17	16 16	0 36	22 6	1 16	9 46	2 29	5 51	0 31	7 52	2 2	31 19	14 6	2 13	2 2	3 36		n.a.
F 15	6 41	16 47	4 30	5 48	2 54	1 25	1 16	16 29	0 37	22 5	1 16	9 44	2 29	5 52	0 31	7 52	2 2	31 19	14 7	2 12	2 1	3 38		n.a.
S 16	7 4	18 4	4 59	5 14	2 52	1 55	1 14	16 41	0 37	22 5	1 15	9 43	2 29	5 54	0 31	7 51	2 2	31 19	14 7	2 11	2 0	3 40		n.a.
S 17	7 26	18 31	5 15	4 38	2 50	2 26	1 13	16 54	0 38	22 4	1 15	9 41	2 29	5 55	0 31	7 51	2 2	31 19	14 7	2 11	1 58	3 41		n.a.
M18	7 48	18 2	5 15	4 1	2 47	2 56	1 12	17 6	0 38	22 3	1 15	9 40	2 29	5 56	0 31	7 50	2 2	31 20	14 8	2 11	1 57	3 43		n.a.
T 19	8 10	16 35	4 59	3 22	2 44	3 27	1 10	17 18	0 39	22 2	1 15	9 38	2 29	5 58	0 31	7 49	2 2	31 20	14 8	2 10	1 56	3 45		n.a.
W20	8 32	14 9	4 26	2 42	2 40	3 57	1 9	17 30	0 39	22 2	1 15	9 37	2 29	5 59	0 31	7 49	2 2	31 20	14 9	2 11	1 55	3 47		n.a.
T 21	8 53	10 51	3 37	2 1	2 35	4 28	1 7	17 42	0 39	22 1	1 15	9 35	2 29	6 0	0 31	7 48	2 2	31 20	14 9	2 11	1 53	3 49		n.a.
F 22	9 15	6 49	2 33	1 17	2 30	4 58	1 6	17 54	0 40	22 0	1 14	9 34	2 29	6 2	0 31	7 48	2 2	31 20	14 9	2 12	1 52	3 51		n.a.
S 23	9 36	2 16	1 17	0 33	2 24	5 28	1 4	18 5	0 40	21 59	1 14	9 32	2 29	6 3	0 31	7 47	2 2	31 20	14 10	2 12	1 51	3 52		n.a.
S 24	9 58	2n30	0s 5	0n13	2 17	5 58	1 2	18 17	0 41	21 58	1 14	9 31	2 29	6 4	0 31	7 46	2 2	31 20	14 10	2 12	1 49	3 54		n.a.
M25	10 19	7 10	1 28	1 0	2 11	6 28	1 0	18 28	0 41	21 57	1 14	9 29	2 29	6 6	0 31	7 46	2 2	31 21	14 10	2 12	1 48	3 56		n.a.
T 26	10 40	11 21	2 44	1 49	2 3	6 58	0 59	18 39	0 42	21 56	1 14	9 28	2 29	6 7	0 31	7 45	2 2	31 21	14 11	2 11	1 47	3 58		n.a.
W27	11 1	14 46	3 48	2 38	1 55	7 28	0 57	18 50	0 42	21 55	1 14	9 26	2 29	6 8	0 31	7 45	2 2	31 21	14 11	2 10	1 46	4 0		n.a.
T 28	11 21	17 8	4 36	3 29	1 47	7 57	0 55	19 1	0 43	21 54	1 14	9 25	2 29	6 10	0 31	7 44	2 2	31 21	14 11	2 9	1 44	4 2		n.a.
F 29	11 42	18 22	5 5	4 21	1 38	8 26	0 53	19 12	0 43	21 53	1 13	9 23	2 29	6 11	0 31	7 43	2 2	31 21	14 12	2 8	1 43	4 3		n.a.
S 30	12n 2	18n27	5s15	5n13	1s29	8n56	0s51	19n22	0n43	21n52	1n13	9s22	2n29	6n12	0s31	7s43	2n 2	31s21	14s12	2s 7	1s42	4s 5		n.a.

Julian Day Number = 1478256.5, Delta T = 05h24m58s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'05, Lahiri = -13°09'05 Julian Calendar 1 Apr. 666 BCE == Greg. Calendar 25 March 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

MAY 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 4 54	2♉ 6'26	17♋42	18♈28	25♈59	23♉14	28♋59	0°R 4	16♈51	24°R25	10♒48	5°R12	4♎10	11♎52	n.a.	S 1
M 2	14 8 50	3° 3'43	0♌37	20°26	27°13	23°53	29° 4	29♎59	16°54	24♎24	10°48	5°D12	4° 6	11°58	n.a.	M 2
T 3	14 12 47	4° 0'59	13° 9	22°26	28°26	24°32	29° 9	29°55	16°57	24°22	10°49	5♎12	4° 3	12° 5	n.a.	T 3
W 4	14 16 43	4°58'13	25°24	24°28	29°40	25°10	29°15	29°50	17° 1	24°21	10°49	5°13	4° 0	12°11	n.a.	W 4
T 5	14 20 40	5°55'27	7♍25	26°32	0♉53	25°49	29°20	29°46	17° 4	24°19	10°49	5°15	3°57	12°18	n.a.	T 5
F 6	14 24 36	6°52'39	19°17	28°37	2° 7	26°28	29°26	29°42	17° 7	24°18	10°50	5°16	3°54	12°25	n.a.	F 6
S 7	14 28 33	7°49'51	1♎ 5	0♉44	3°20	27° 7	29°32	29°37	17°11	24°16	10°50	5°R17	3°50	12°31	n.a.	S 7
S 8	14 32 30	8°47'01	12°52	2°52	4°34	27°46	29°38	29°33	17°14	24°14	10°50	5°17	3°47	12°38	n.a.	S 8
M 9	14 36 26	9°44'11	24°42	5° 2	5°48	28°24	29°44	29°29	17°17	24°13	10°50	5°15	3°44	12°45	n.a.	M 9
T 10	14 40 23	10°41'20	6♏36	7°12	7° 1	29° 3	29°51	29°24	17°20	24°11	10°51	5°12	3°41	12°51	n.a.	T 10
W11	14 44 19	11°38'29	18°38	9°24	8°15	29°42	29°57	29°20	17°24	24°10	10°51	5° 7	3°38	12°58	n.a.	W11
T 12	14 48 16	12°35'37	0♐48	11°35	9°28	0♊21	0♌ 4	29°16	17°27	24° 8	10°51	5° 1	3°35	13° 5	n.a.	T 12
F 13	14 52 12	13°32'45	13° 8	13°47	10°42	0°59	0°10	29°12	17°30	24° 7	10°51	4°55	3°31	13°11	n.a.	F 13
S 14	14 56 9	14°29'52	25°40	15°58	11°56	1°38	0°17	29° 7	17°33	24° 5	10°51	4°48	3°28	13°18	n.a.	S 14
S 15	15 0 5	15°26'59	8♑25	18° 9	13° 9	2°17	0°24	29° 3	17°37	24° 4	10°51	4°42	3°25	13°25	n.a.	S 15
M16	15 4 2	16°24'06	21°24	20°19	14°23	2°55	0°31	28°59	17°40	24° 2	10°52	4°38	3°22	13°31	n.a.	M16
T 17	15 7 59	17°21'13	4♒38	22°29	15°36	3°34	0°39	28°55	17°43	24° 1	10°52	4°36	3°19	13°38	n.a.	T 17
W18	15 11 55	18°18'20	18°10	24°37	16°50	4°13	0°46	28°51	17°46	23°59	10°52	4°D35	3°16	13°45	n.a.	W18
T 19	15 15 52	19°15'26	2♓ 0	26°44	18° 4	4°51	0°53	28°47	17°49	23°58	10°R52	4°35	3°12	13°51	n.a.	T 19
F 20	15 19 48	20°12'33	16°10	28°49	19°17	5°30	1° 1	28°43	17°52	23°57	10°52	4°36	3° 9	13°58	n.a.	F 20
S 21	15 23 45	21° 9'39	0♈37	0♊53	20°31	6° 8	1° 9	28°39	17°55	23°55	10°52	4°R37	3° 6	14° 4	n.a.	S 21
S 22	15 27 41	22° 6'46	15°20	2°55	21°45	6°47	1°17	28°35	17°58	23°54	10°52	4°37	3° 3	14°11	n.a.	S 22
M23	15 31 38	23° 3'53	0♉12	4°55	22°58	7°25	1°25	28°32	18° 1	23°52	10°52	4°35	3° 0	14°18	n.a.	M23
T 24	15 35 34	24° 0'59	15° 8	6°53	24°12	8° 4	1°33	28°28	18° 4	23°51	10°51	4°30	2°56	14°24	n.a.	T 24
W25	15 39 31	24°58'06	29°59	8°50	25°26	8°43	1°41	28°24	18° 7	23°50	10°51	4°24	2°53	14°31	n.a.	W25
T 26	15 43 28	25°55'13	14♊36	10°44	26°39	9°21	1°49	28°20	18°10	23°48	10°51	4°16	2°50	14°38	n.a.	T 26
F 27	15 47 24	26°52'19	28°52	12°36	27°53	10° 0	1°58	28°17	18°13	23°47	10°51	4° 8	2°47	14°44	n.a.	F 27
S 28	15 51 21	27°49'25	12♋43	14°27	29° 7	10°38	2° 6	28°13	18°16	23°46	10°51	4° 1	2°44	14°51	n.a.	S 28
S 29	15 55 17	28°46'31	26° 7	16°15	0♊21	11°17	2°15	28°10	18°19	23°45	10°51	3°55	2°41	14°58	n.a.	S 29
M30	15 59 14	29°43'37	9♌ 5	18° 1	1°34	11°55	2°24	28° 6	18°21	23°43	10°50	3°50	2°37	15° 4	n.a.	M30
T 31	16 3 10	0♊40'43	21♌39	19♊45	2♊48	12♊33	2♌33	28♎ 3	18♈24	23♎42	10♒50	3♎48	2♎34	15♎11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	12n22	17n30	5s 7	6n 7	1s19	9n25	0s49	19n33	0n44	21n50	1n13	9s20	2n29	6n14	0s31	7s42	2n 2	31s22	14s12	2s 6	1s41	4s 7			n.a.
M 2	12 42	15 40	4 44	7 1	1 10	9 53	0 47	19 43	0 44	21 49	1 13	9 18	2 29	6 15	0 31	7 42	2 2	31 22	14 13	2 5	1 39	4 9			n.a.
T 3	13 2	13 8	4 8	7 56	0 59	10 22	0 45	19 53	0 45	21 48	1 13	9 17	2 29	6 16	0 31	7 41	2 2	31 22	14 13	2 6	1 38	4 11			n.a.
W 4	13 22	10 4	3 22	8 51	0 49	10 50	0 43	20 3	0 45	21 47	1 13	9 15	2 28	6 18	0 31	7 41	2 2	31 22	14 13	2 6	1 37	4 12			n.a.
T 5	13 41	6 38	2 27	9 46	0 38	11 18	0 41	20 13	0 45	21 45	1 13	9 14	2 28	6 19	0 31	7 40	2 2	31 23	14 14	2 7	1 35	4 14			n.a.
F 6	14 0	2 58	1 27	10 42	0 28	11 46	0 39	20 23	0 46	21 44	1 12	9 13	2 28	6 20	0 31	7 39	2 2	31 23	14 14	2 7	1 34	4 16			n.a.
S 7	14 19	0s47	0 23	11 37	0 17	12 13	0 37	20 32	0 46	21 43	1 12	9 11	2 28	6 21	0 31	7 39	2 2	31 23	14 15	2 8	1 33	4 18			n.a.
S 8	14 38	4 31	0n41	12 33	0 6	12 41	0 35	20 41	0 47	21 41	1 12	9 10	2 28	6 23	0 31	7 38	2 2	31 23	14 15	2 8	1 32	4 20			n.a.
M 9	14 56	8 5	1 44	13 27	0n 4	13 8	0 33	20 51	0 47	21 40	1 12	9 8	2 28	6 24	0 31	7 38	2 2	31 24	14 15	2 7	1 30	4 22			n.a.
T 10	15 14	11 21	2 43	14 21	0 15	13 34	0 30	21 0	0 47	21 38	1 12	9 7	2 28	6 25	0 31	7 37	2 2	31 24	14 16	2 6	1 29	4 23			n.a.
W11	15 32	14 10	3 35	15 13	0 25	14 0	0 28	21 9	0 48	21 37	1 12	9 5	2 28	6 26	0 31	7 37	2 2	31 24	14 16	2 4	1 28	4 25			n.a.
T 12	15 50	16 25	4 17	16 5	0 35	14 26	0 26	21 17	0 48	21 35	1 12	9 4	2 28	6 28	0 31	7 36	2 2	31 25	14 16	2 1	1 26	4 27			n.a.
F 13	16 7	17 55	4 48	16 55	0 45	14 52	0 24	21 26	0 48	21 33	1 11	9 2	2 28	6 29	0 31	7 36	2 2	31 25	14 17	1 59	1 25	4 29			n.a.
S 14	16 25	18 36	5 6	17 43	0 55	15 17	0 21	21 34	0 49	21 32	1 11	9 1	2 28	6 30	0 31	7 35	2 2	31 25	14 17	1 56	1 24	4 31			n.a.
S 15	16 42	18 21	5 10	18 29	1 3	15 42	0 19	21 43	0 49	21 30	1 11	9 0	2 27	6 31	0 31	7 35	2 2	31 25	14 18	1 54	1 23	4 32			n.a.
M16	16 58	17 9	4 57	19 13	1 12	16 7	0 17	21 51	0 50	21 28	1 11	8 58	2 27	6 33	0 31	7 34	2 2	31 26	14 18	1 52	1 21	4 34			n.a.
T 17	17 15	15 1	4 29	19 55	1 19	16 31	0 14	21 59	0 50	21 27	1 11	8 57	2 27	6 34	0 31	7 33	2 2	31 26	14 18	1 51	1 20	4 36			n.a.
W18	17 31	12 2	3 45	20 35	1 27	16 54	0 12	22 6	0 50	21 25	1 11	8 56	2 27	6 35	0 31	7 33	2 2	31 26	14 19	1 51	1 19	4 38			n.a.
T 19	17 47	8 18	2 47	21 12	1 33	17 18	0 10	22 14	0 51	21 23	1 11	8 54	2 27	6 36	0 31	7 32	2 2	31 27	14 19	1 51	1 17	4 40			n.a.
F 20	18 3	4 2	1 38	21 47	1 39	17 41	0 7	22 21	0 51	21 21	1 11	8 53	2 27	6 37	0 31	7 32	2 2	31 27	14 19	1 51	1 16	4 42			n.a.
S 21	18 18	0n35	0 22	22 19	1 44	18 3	0 5	22 29	0 51	21 20	1 10	8 52	2 27	6 39	0 31	7 31	2 2	31 27	14 20	1 52	1 15	4 43			n.a.
S 22	18 33	5 14	0s58	22 48	1 49	18 25	0 3	22 36	0 52	21 18	1 10	8 51	2 26	6 40	0 31	7 31	2 2	31 28	14 20	1 52	1 14	4 45			n.a.
M23	18 48	9 37	2 14	23 15	1 52	18 46	0 0	22 42	0 52	21 16	1 10	8 49	2 26	6 41	0 31	7 31	2 2	31 28	14 20	1 51	1 12	4 47			n.a.
T 24	19 2	13 24	3 21	23 39	1 55	19 7	0n 2	22 49	0 52	21 14	1 10	8 48	2 26	6 42	0 31	7 30	2 2	31 29	14 21	1 49	1 11	4 49			n.a.
W25	19 16	16 18	4 14	24 1	1 58	19 28	0 5	22 56	0 53	21 12	1 10	8 47	2 26	6 43	0 31	7 30	2 2	31 29	14 21	1 46	1 10	4 51			n.a.
T 26	19 30	18 5	4 49	24 20	2 0	19 47	0 7	23 2	0 53	21 10	1 10	8 46	2 26	6 44	0 31	7 29	2 1	31 29	14 22	1 43	1 9	4 52			n.a.
F 27	19 44	18 40	5 6	24 37	2 1	20 7	0 9	23 8	0 53	21 8	1 10	8 45	2 26	6 45	0 31	7 29	2 1	31 30	14 22	1 40	1 7	4 54			n.a.
S 28	19 57	18 7	5 3	24 51	2 1	20 26	0 12	23 14	0 54	21 6	1 10	8 44	2 26	6 46	0 31	7 28	2 1	31 30	14 22	1 37	1 6	4 56			n.a.
S 29	20 10	16 34	4 44	25 3	2 1	20 44	0 14	23 20	0 54	21 4	1 9	8 42	2 25	6 48	0 31	7 28	2 1	31 31	14 23	1 34	1 5	4 58			n.a.
M30	20 22	14 12	4 11	25 12	2 0	21 2	0 16	23 26	0 54	21 1	1 9	8 41	2 25	6 49	0 31	7 27	2 1	31 31	14 23	1 33	1 3	5 0			n.a.
T 31	20n35	11n14	3s27	25n20	1n58	21n19	0n19	23n31	0n55	20n59	1n 9	8s40	2n25	6n50	0s31	7s27	2n 1	31s31	14s23	1s32	1s 2	5s 1			n.a.

Julian Day Number = 1478286.5, Delta T = 05h24m57s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°16'01, Lahiri = -13°09'01 Julian Calendar 1 May 666 BCE == Greg. Calendar 24 Apr. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

JUNE 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 7 7	1♊37'48	3♍54	21♊27	4♊ 2	13♊12	2♌42	28°R 0	18♈27	23°R41	10°R50	3°D48	2♎31	15♎18	n.a.	W 1
T 2	16 11 4	2°34'54	15°55	23° 6	5°16	13°50	2°51	27♎56	18°30	23♎40	10♒49	3♎49	2°28	15°24	n.a.	T 2
F 3	16 15 0	3°31'59	27°46	24°44	6°29	14°29	3° 0	27°53	18°32	23°39	10°49	3°R49	2°25	15°31	n.a.	F 3
S 4	16 18 57	4°29'04	9♎34	26°19	7°43	15° 7	3° 9	27°50	18°35	23°37	10°49	3°49	2°21	15°38	n.a.	S 4
S 5	16 22 53	5°26'09	21°22	27°53	8°57	15°46	3°19	27°47	18°38	23°36	10°48	3°48	2°18	15°44	n.a.	S 5
M 6	16 26 50	6°23'14	3♏15	29°24	10°11	16°24	3°28	27°44	18°40	23°35	10°48	3°44	2°15	15°51	n.a.	M 6
T 7	16 30 46	7°20'20	15°17	0♋53	11°24	17° 2	3°38	27°41	18°43	23°34	10°48	3°37	2°12	15°57	n.a.	T 7
W 8	16 34 43	8°17'26	27°29	2°20	12°38	17°41	3°47	27°38	18°45	23°33	10°47	3°29	2° 9	16° 4	n.a.	W 8
T 9	16 38 39	9°14'32	9♐54	3°45	13°52	18°19	3°57	27°36	18°48	23°32	10°47	3°18	2° 6	16°11	n.a.	T 9
F 10	16 42 36	10°11'39	22°31	5° 8	15° 6	18°57	4° 7	27°33	18°50	23°31	10°46	3° 7	2° 2	16°17	n.a.	F 10
S 11	16 46 33	11° 8'46	5♑21	6°28	16°20	19°36	4°17	27°30	18°53	23°30	10°46	2°56	1°59	16°24	n.a.	S 11
S 12	16 50 29	12° 5'54	18°23	7°46	17°33	20°14	4°27	27°28	18°55	23°29	10°45	2°46	1°56	16°31	n.a.	S 12
M13	16 54 26	13° 3'02	1♒37	9° 2	18°47	20°52	4°37	27°25	18°57	23°28	10°45	2°38	1°53	16°37	n.a.	M13
T 14	16 58 22	14° 0'12	15° 3	10°15	20° 1	21°31	4°47	27°23	19° 0	23°27	10°44	2°32	1°50	16°44	n.a.	T 14
W15	17 2 19	14°57'22	28°41	11°26	21°15	22° 9	4°58	27°21	19° 2	23°26	10°43	2°29	1°47	16°51	n.a.	W15
T 16	17 6 15	15°54'33	12♓30	12°34	22°29	22°47	5° 8	27°19	19° 4	23°26	10°43	2°D28	1°43	16°57	n.a.	T 16
F 17	17 10 12	16°51'44	26°31	13°39	23°43	23°26	5°19	27°17	19° 7	23°25	10°42	2°R28	1°40	17° 4	n.a.	F 17
S 18	17 14 8	17°48'57	10♈44	14°42	24°57	24° 4	5°29	27°15	19° 9	23°24	10°42	2°28	1°37	17°11	n.a.	S 18
S 19	17 18 5	18°46'11	25° 7	15°42	26°10	24°42	5°40	27°13	19°11	23°23	10°41	2°27	1°34	17°17	n.a.	S 19
M20	17 22 2	19°43'26	9♉38	16°39	27°24	25°20	5°51	27°11	19°13	23°23	10°40	2°23	1°31	17°24	n.a.	M20
T 21	17 25 58	20°40'42	24°12	17°33	28°38	25°59	6° 1	27° 9	19°15	23°22	10°40	2°16	1°27	17°31	n.a.	T 21
W22	17 29 55	21°37'59	8♊43	18°24	29°52	26°37	6°12	27° 7	19°17	23°21	10°39	2° 7	1°24	17°37	n.a.	W22
T 23	17 33 51	22°35'17	23° 4	19°12	1♋ 6	27°15	6°23	27° 6	19°19	23°21	10°38	1°56	1°21	17°44	n.a.	T 23
F 24	17 37 48	23°32'36	7♋ 9	19°56	2°20	27°54	6°34	27° 4	19°21	23°20	10°37	1°45	1°18	17°51	n.a.	F 24
S 25	17 41 44	24°29'56	20°53	20°36	3°34	28°32	6°45	27° 3	19°23	23°19	10°37	1°34	1°15	17°57	n.a.	S 25
S 26	17 45 41	25°27'16	4♌13	21°13	4°48	29°10	6°56	27° 2	19°25	23°19	10°36	1°24	1°12	18° 4	n.a.	S 26
M27	17 49 38	26°24'37	17° 9	21°46	6° 2	29°48	7° 8	27° 0	19°26	23°18	10°35	1°17	1° 8	18°11	n.a.	M27
T 28	17 53 34	27°21'59	29°44	22°14	7°16	0♋27	7°19	26°59	19°28	23°18	10°34	1°13	1° 5	18°17	n.a.	T 28
W29	17 57 31	28°19'22	11♍59	22°38	8°30	1° 5	7°30	26°58	19°30	23°17	10°33	1°11	1° 2	18°24	n.a.	W29
T 30	18 1 27	29♊16'45	24♍ 0	22♋58	9♋44	1♋43	7♌42	26♎57	19♈32	23♎17	10♒32	1♎10	0♎59	18♎30	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n46	7n50	2s34	25n25	1n56	21n35	0n21	23n37	0n55	20n57	1n 9	8s39	2n25	6n51	0s31	7s27	2n 1	31s32	14s24	1s32	1s 1	5s 3		n.a.
T 2	20 58	4 11	1 35	25 28	1 53	21 51	0 23	23 42	0 55	20 55	1 9	8 38	2 25	6 52	0 31	7 26	2 1	31 32	14 24	1 32	1 0	5 5		n.a.
F 3	21 9	0 24	0 32	25 29	1 49	22 7	0 26	23 47	0 56	20 53	1 9	8 37	2 24	6 53	0 31	7 26	2 1	31 33	14 24	1 32	0 58	5 7		n.a.
S 4	21 20	3s22	0n31	25 29	1 45	22 21	0 28	23 51	0 56	20 50	1 9	8 36	2 24	6 54	0 32	7 25	2 1	31 33	14 25	1 32	0 57	5 9		n.a.
S 5	21 30	7 1	1 33	25 26	1 41	22 36	0 30	23 56	0 56	20 48	1 9	8 36	2 24	6 55	0 32	7 25	2 1	31 34	14 25	1 32	0 56	5 10		n.a.
M 6	21 41	10 25	2 31	25 22	1 36	22 49	0 32	24 0	0 57	20 46	1 9	8 35	2 24	6 56	0 32	7 25	2 1	31 34	14 25	1 30	0 54	5 12		n.a.
T 7	21 50	13 25	3 23	25 16	1 30	23 2	0 34	24 4	0 57	20 43	1 9	8 34	2 24	6 57	0 32	7 24	2 1	31 34	14 26	1 28	0 53	5 14		n.a.
W 8	22 0	15 53	4 6	25 9	1 24	23 14	0 37	24 8	0 57	20 41	1 8	8 33	2 23	6 58	0 32	7 24	2 1	31 35	14 26	1 24	0 52	5 16		n.a.
T 9	22 9	17 39	4 38	25 0	1 17	23 25	0 39	24 12	0 57	20 38	1 8	8 32	2 23	6 59	0 32	7 24	2 1	31 35	14 26	1 20	0 51	5 18		n.a.
F 10	22 17	18 36	4 58	24 50	1 10	23 36	0 41	24 16	0 58	20 36	1 8	8 31	2 23	7 0	0 32	7 23	2 1	31 36	14 27	1 15	0 49	5 19		n.a.
S 11	22 26	18 38	5 2	24 39	1 2	23 46	0 43	24 19	0 58	20 33	1 8	8 31	2 23	7 0	0 32	7 23	2 1	31 36	14 27	1 11	0 48	5 21		n.a.
S 12	22 33	17 40	4 52	24 27	0 54	23 56	0 45	24 23	0 58	20 31	1 8	8 30	2 23	7 1	0 32	7 23	2 1	31 37	14 27	1 7	0 47	5 23		n.a.
M13	22 41	15 46	4 25	24 13	0 46	24 4	0 47	24 26	0 59	20 28	1 8	8 29	2 22	7 2	0 32	7 22	2 1	31 37	14 28	1 4	0 46	5 25		n.a.
T 14	22 48	12 59	3 44	23 59	0 37	24 12	0 49	24 28	0 59	20 26	1 8	8 29	2 22	7 3	0 32	7 22	2 1	31 38	14 28	1 1	0 44	5 27		n.a.
W15	22 55	9 27	2 49	23 44	0 27	24 20	0 51	24 31	0 59	20 23	1 8	8 28	2 22	7 4	0 32	7 22	2 1	31 38	14 28	1 0	0 43	5 28		n.a.
T 16	23 1	5 22	1 44	23 28	0 17	24 26	0 53	24 34	0 59	20 21	1 8	8 28	2 22	7 5	0 32	7 22	2 0	31 39	14 29	1 0	0 42	5 30		n.a.
F 17	23 7	0 55	0 32	23 11	0 7	24 32	0 55	24 36	1 0	20 18	1 8	8 27	2 21	7 6	0 32	7 21	2 0	31 39	14 29	1 0	0 40	5 32		n.a.
S 18	23 12	3n38	0s44	22 54	0s 3	24 37	0 57	24 38	1 0	20 15	1 8	8 26	2 21	7 7	0 32	7 21	2 0	31 40	14 29	1 0	0 39	5 34		n.a.
S 19	23 17	8 2	1 57	22 36	0 14	24 41	0 59	24 40	1 0	20 12	1 8	8 26	2 21	7 7	0 32	7 21	2 0	31 40	14 30	0 59	0 38	5 35		n.a.
M20	23 22	12 0	3 3	22 18	0 26	24 45	1 0	24 42	1 0	20 10	1 7	8 26	2 21	7 8	0 32	7 21	2 0	31 41	14 30	0 58	0 37	5 37		n.a.
T 21	23 26	15 14	3 58	21 59	0 37	24 48	1 2	24 43	1 1	20 7	1 7	8 25	2 21	7 9	0 32	7 20	2 0	31 41	14 30	0 55	0 35	5 39		n.a.
W22	23 30	17 30	4 37	21 41	0 49	24 50	1 4	24 45	1 1	20 4	1 7	8 25	2 20	7 10	0 32	7 20	2 0	31 42	14 31	0 51	0 34	5 41		n.a.
T 23	23 34	18 38	4 58	21 22	1 1	24 51	1 5	24 46	1 1	20 1	1 7	8 24	2 20	7 10	0 32	7 20	2 0	31 42	14 31	0 47	0 33	5 43		n.a.
F 24	23 37	18 35	5 0	21 3	1 14	24 52	1 7	24 47	1 1	19 58	1 7	8 24	2 20	7 11	0 32	7 20	2 0	31 43	14 31	0 42	0 31	5 44		n.a.
S 25	23 39	17 26	4 44	20 45	1 26	24 52	1 8	24 48	1 2	19 55	1 7	8 24	2 20	7 12	0 32	7 20	2 0	31 43	14 31	0 38	0 30	5 46		n.a.
S 26	23 42	15 22	4 14	20 26	1 39	24 51	1 10	24 48	1 2	19 53	1 7	8 24	2 19	7 13	0 32	7 20	2 0	31 44	14 32	0 34	0 29	5 48		n.a.
M27	23 43	12 34	3 31	20 8	1 52	24 49	1 11	24 49	1 2	19 50	1 7	8 23	2 19	7 13	0 32	7 20	2 0	31 44	14 32	0 31	0 28	5 50		n.a.
T 28	23 45	9 15	2 38	19 51	2 5	24 47	1 13	24 49	1 2	19 47	1 7	8 23	2 19	7 14	0 32	7 19	2 0	31 45	14 32	0 29	0 26	5 52		n.a.
W29	23 46	5 38	1 40	19 34	2 18	24 44	1 14	24 49	1 3	19 44	1 7	8 23	2 19	7 15	0 32	7 19	2 0	31 45	14 32	0 28	0 25	5 53		n.a.
T 30	23n46	1n50	0s38	19n18	2s31	24n40	1n15	24n49	1n 3	19n41	1n 7	8s23	2n18	7n15	0s32	7s19	2n 0	31s46	14s33	0s28	0s24	5s55		n.a.

Julian Day Number = 1478317.5, Delta T = 05h24m55s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'57, Lahiri = -13°08'57 Julian Calendar 1 June 666 BCE == Greg. Calendar 25 May 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

JULY 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 5 24	0♋14'10	5♎52	23♋13	10♋58	2♋21	7♌53	26°R56	19♈33	23°R16	10°R31	1°R10	0♎56	18♎37	n.a.	F 1
S 2	18 9 20	1°11'35	17°40	23°23	12°12	2°59	8° 5	26♎56	19°35	23♎16	10♒31	1♎ 9	0°53	18°44	n.a.	S 2
S 3	18 13 17	2° 9'01	29°31	23°R28	13°26	3°38	8°16	26°55	19°36	23°16	10°30	1° 7	0°49	18°50	n.a.	S 3
M 4	18 17 13	3° 6'28	11♏28	23°27	14°40	4°16	8°28	26°54	19°38	23°15	10°29	1° 3	0°46	18°57	n.a.	M 4
T 5	18 21 10	4° 3'56	23°36	23°22	15°54	4°54	8°40	26°54	19°39	23°15	10°28	0°56	0°43	19° 4	n.a.	T 5
W 6	18 25 7	5° 1'25	5♐58	23°11	17° 8	5°32	8°52	26°53	19°41	23°15	10°27	0°47	0°40	19°10	n.a.	W 6
T 7	18 29 3	5°58'56	18°36	22°55	18°22	6°11	9° 3	26°53	19°42	23°15	10°26	0°35	0°37	19°17	n.a.	T 7
F 8	18 33 0	6°56'27	1♑31	22°33	19°36	6°49	9°15	26°53	19°43	23°15	10°25	0°23	0°33	19°24	n.a.	F 8
S 9	18 36 56	7°54'00	14°41	22° 6	20°50	7°27	9°27	26°D53	19°45	23°14	10°24	0°10	0°30	19°30	n.a.	S 9
S 10	18 40 53	8°51'34	28° 6	21°34	22° 4	8° 5	9°39	26°53	19°46	23°14	10°23	29♍59	0°27	19°37	n.a.	S 10
M11	18 44 49	9°49'10	11♒43	20°57	23°18	8°43	9°51	26°53	19°47	23°14	10°22	29°50	0°24	19°44	n.a.	M11
T 12	18 48 46	10°46'47	25°29	20°16	24°32	9°22	10° 3	26°53	19°48	23°14	10°21	29°44	0°21	19°50	n.a.	T 12
W13	18 52 42	11°44'26	9♓23	19°32	25°46	10° 0	10°15	26°54	19°49	23°D14	10°20	29°41	0°18	19°57	n.a.	W13
T 14	18 56 39	12°42'07	23°22	18°44	27° 0	10°38	10°28	26°54	19°50	23°14	10°19	29°39	0°14	20° 4	n.a.	T 14
F 15	19 0 36	13°39'49	7♈25	17°54	28°14	11°16	10°40	26°54	19°51	23°14	10°18	29°39	0°11	20°10	n.a.	F 15
S 16	19 4 32	14°37'33	21°32	17° 2	29°28	11°54	10°52	26°55	19°52	23°14	10°16	29°39	0° 8	20°17	n.a.	S 16
S 17	19 8 29	15°35'19	5♉42	16°11	0♌42	12°33	11° 4	26°56	19°53	23°14	10°15	29°38	0° 5	20°24	n.a.	S 17
M18	19 12 25	16°33'07	19°53	15°19	1°56	13°11	11°17	26°56	19°54	23°14	10°14	29°34	0° 2	20°30	n.a.	M18
T 19	19 16 22	17°30'57	4♊ 3	14°29	3°10	13°49	11°29	26°57	19°55	23°15	10°13	29°28	29♍59	20°37	n.a.	T 19
W20	19 20 18	18°28'49	18° 8	13°42	4°24	14°27	11°42	26°58	19°56	23°15	10°12	29°20	29°55	20°44	n.a.	W20
T 21	19 24 15	19°26'42	2♋ 5	12°59	5°39	15° 6	11°54	26°59	19°56	23°15	10°11	29° 9	29°52	20°50	n.a.	T 21
F 22	19 28 11	20°24'38	15°48	12°20	6°53	15°44	12° 7	27° 0	19°57	23°15	10°10	28°58	29°49	20°57	n.a.	F 22
S 23	19 32 8	21°22'35	29°15	11°46	8° 7	16°22	12°19	27° 2	19°57	23°16	10° 9	28°47	29°46	21° 4	n.a.	S 23
S 24	19 36 5	22°20'33	12♌23	11°19	9°21	17° 0	12°32	27° 3	19°58	23°16	10° 7	28°38	29°43	21°10	n.a.	S 24
M25	19 40 1	23°18'33	25°11	10°59	10°35	17°39	12°44	27° 4	19°59	23°16	10° 6	28°31	29°39	21°17	n.a.	M25
T 26	19 43 58	24°16'35	7♍40	10°46	11°49	18°17	12°57	27° 6	19°59	23°17	10° 5	28°27	29°36	21°24	n.a.	T 26
W27	19 47 54	25°14'38	19°53	10°D41	13° 3	18°55	13°10	27° 8	19°59	23°17	10° 4	28°25	29°33	21°30	n.a.	W27
T 28	19 51 51	26°12'43	1♎53	10°45	14°17	19°33	13°22	27° 9	20° 0	23°18	10° 3	28°D24	29°30	21°37	n.a.	T 28
F 29	19 55 47	27°10'49	13°45	10°56	15°31	20°12	13°35	27°11	20° 0	23°18	10° 1	28°25	29°27	21°43	n.a.	F 29
S 30	19 59 44	28° 8'57	25°34	11°16	16°45	20°50	13°48	27°13	20° 0	23°19	10° 0	28°R26	29°24	21°50	n.a.	S 30
S 31	20 3 40	29♋ 7'07	7♏25	11♋45	17♌59	21♋28	14♌ 1	27♎15	20♈ 0	23♎19	9♒59	28♍25	29♍20	21♎57	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n46	1s59	0n25	19n 3	2s44	24n35	1n17	24n48	1n 3	19n37	1n 7	8s23	2n18	7n16	0s32	7s19	2n 0	31s46	14s33	0s28	0s22	5s57		n.a.
S 2	23 46	5 42	1 26	18 48	2 57	24 30	1 18	24 48	1 3	19 34	1 7	8 23	2 18	7 16	0 32	7 19	1 59	31 47	14 33	0 28	0 21	5 59		n.a.
S 3	23 45	9 12	2 24	18 35	3 10	24 24	1 19	24 47	1 4	19 31	1 7	8 23	2 18	7 17	0 32	7 19	1 59	31 47	14 33	0 27	0 20	6 0		n.a.
M 4	23 44	12 22	3 16	18 23	3 22	24 17	1 20	24 46	1 4	19 28	1 7	8 23	2 17	7 17	0 32	7 19	1 59	31 48	14 34	0 25	0 19	6 2		n.a.
T 5	23 43	15 4	4 0	18 12	3 34	24 9	1 21	24 45	1 4	19 25	1 7	8 23	2 17	7 18	0 32	7 19	1 59	31 48	14 34	0 23	0 17	6 4		n.a.
W 6	23 41	17 7	4 33	18 3	3 45	24 1	1 22	24 43	1 4	19 22	1 7	8 23	2 17	7 19	0 32	7 19	1 59	31 49	14 34	0 19	0 16	6 6		n.a.
T 7	23 38	18 23	4 54	17 56	3 56	23 52	1 23	24 42	1 4	19 19	1 7	8 23	2 16	7 19	0 32	7 19	1 59	31 49	14 34	0 14	0 15	6 8		n.a.
F 8	23 35	18 45	5 1	17 50	4 5	23 42	1 24	24 40	1 5	19 15	1 6	8 23	2 16	7 20	0 32	7 19	1 59	31 50	14 35	0 9	0 13	6 9		n.a.
S 9	23 32	18 8	4 51	17 45	4 14	23 31	1 24	24 38	1 5	19 12	1 6	8 24	2 16	7 20	0 32	7 19	1 59	31 50	14 35	0 4	0 12	6 11		n.a.
S 10	23 28	16 29	4 26	17 43	4 21	23 20	1 25	24 36	1 5	19 9	1 6	8 24	2 16	7 20	0 32	7 19	1 59	31 51	14 35	0n 0	0 11	6 13		n.a.
M11	23 24	13 55	3 45	17 42	4 28	23 8	1 26	24 34	1 5	19 5	1 6	8 24	2 15	7 21	0 32	7 19	1 59	31 51	14 35	0 4	0 10	6 15		n.a.
T 12	23 20	10 32	2 50	17 44	4 32	22 56	1 26	24 32	1 5	19 2	1 6	8 24	2 15	7 21	0 32	7 19	1 59	31 52	14 36	0 6	0 8	6 16		n.a.
W13	23 15	6 32	1 45	17 47	4 36	22 43	1 27	24 29	1 6	18 59	1 6	8 25	2 15	7 22	0 32	7 19	1 59	31 52	14 36	0 8	0 7	6 18		n.a.
T 14	23 9	2 10	0 33	17 52	4 37	22 29	1 27	24 26	1 6	18 55	1 6	8 25	2 15	7 22	0 32	7 19	1 59	31 53	14 36	0 8	0 6	6 20		n.a.
F 15	23 4	2n21	0s41	17 59	4 37	22 14	1 28	24 23	1 6	18 52	1 6	8 26	2 14	7 22	0 32	7 19	1 59	31 53	14 36	0 8	0 5	6 22		n.a.
S 16	22 57	6 46	1 53	18 8	4 35	21 59	1 28	24 20	1 6	18 49	1 6	8 26	2 14	7 23	0 32	7 19	1 59	31 54	14 36	0 8	0 3	6 23		n.a.
S 17	22 51	10 48	2 59	18 18	4 31	21 43	1 28	24 16	1 6	18 45	1 6	8 26	2 14	7 23	0 32	7 19	1 58	31 54	14 36	0 9	0 2	6 25		n.a.
M18	22 44	14 13	3 53	18 30	4 25	21 26	1 28	24 13	1 7	18 42	1 6	8 27	2 14	7 23	0 32	7 19	1 58	31 55	14 37	0 10	0 1	6 27		n.a.
T 19	22 36	16 46	4 34	18 43	4 17	21 9	1 29	24 9	1 7	18 38	1 6	8 28	2 13	7 24	0 32	7 19	1 58	31 55	14 37	0 13	0n 1	6 29		n.a.
W20	22 29	18 19	4 57	18 57	4 7	20 52	1 29	24 5	1 7	18 35	1 6	8 28	2 13	7 24	0 32	7 20	1 58	31 56	14 37	0 16	0 2	6 30		n.a.
T 21	22 20	18 43	5 2	19 13	3 56	20 33	1 29	24 1	1 7	18 31	1 6	8 29	2 13	7 24	0 32	7 20	1 58	31 56	14 37	0 20	0 3	6 32		n.a.
F 22	22 12	18 2	4 50	19 29	3 43	20 14	1 29	23 57	1 7	18 27	1 6	8 29	2 13	7 24	0 32	7 20	1 58	31 57	14 37	0 25	0 4	6 34		n.a.
S 23	22 3	16 20	4 21	19 46	3 29	19 55	1 28	23 52	1 8	18 24	1 6	8 30	2 12	7 25	0 32	7 20	1 58	31 57	14 37	0 29	0 6	6 36		n.a.
S 24	21 53	13 49	3 40	20 3	3 14	19 35	1 28	23 48	1 8	18 20	1 6	8 31	2 12	7 25	0 32	7 20	1 58	31 58	14 38	0 33	0 7	6 37		n.a.
M25	21 44	10 41	2 48	20 21	2 58	19 14	1 28	23 43	1 8	18 17	1 6	8 32	2 12	7 25	0 32	7 20	1 58	31 58	14 38	0 36	0 8	6 39		n.a.
T 26	21 34	7 8	1 48	20 39	2 41	18 53	1 27	23 38	1 8	18 13	1 6	8 32	2 12	7 25	0 32	7 21	1 58	31 59	14 38	0 38	0 10	6 41		n.a.
W27	21 23	3 22	0 45	20 57	2 24	18 31	1 27	23 32	1 8	18 9	1 6	8 33	2 11	7 25	0 32	7 21	1 58	31 59	14 38	0 38	0 11	6 43		n.a.
T 28	21 12	0s29	0n19	21 14	2 6	18 9	1 27	23 27	1 8	18 6	1 6	8 34	2 11	7 25	0 32	7 21	1 58	32 0	14 38	0 39	0 12	6 45		n.a.
F 29	21 1	4 15	1 21	21 31	1 49	17 46	1 26	23 22	1 9	18 2	1 6	8 35	2 11	7 25	0 33	7 21	1 58	32 0	14 38	0 38	0 13	6 46		n.a.
S 30	20 49	7 51	2 20	21 47	1 31	17 23	1 25	23 16	1 9	17 58	1 6	8 36	2 10	7 25	0 33	7 22	1 58	32 0	14 38	0 38	0 15	6 48		n.a.
S 31	20n37	11s 8	3n13	22n 2	1s13	17n 0	1n25	23n10	1n 9	17n54	1n 6	8s37	2n10	7n26	0s33	7s22	1n58	32s 1	14s38	0n38	0n16	6s50		n.a.

Julian Day Number = 1478347.5, Delta T = 05h24m54s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'53, Lahiri = -13°08'52 Julian Calendar 1 July 666 BCE == Greg. Calendar 24 June 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

AUGUST 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 7 37	0♌ 5'18	19♏23	12♋21	19♌13	22♋ 6	14♌13	27♎17	20♈ 1	23♎20	9°R58	28°R23	29♍17	22♎ 3	n.a.	M 1
T 2	20 11 34	1° 3'31	1♐34	13° 6	20°28	22°45	14°26	27°19	20° 1	23°20	9♒56	28♍19	29°14	22°10	n.a.	T 2
W 3	20 15 30	2° 1'45	14° 2	13°58	21°42	23°23	14°39	27°22	20°R 1	23°21	9°55	28°13	29°11	22°17	n.a.	W 3
T 4	20 19 27	3° 0'02	26°49	14°58	22°56	24° 1	14°52	27°24	20° 1	23°22	9°54	28° 5	29° 8	22°23	n.a.	T 4
F 5	20 23 23	3°58'20	9♑56	16° 5	24°10	24°39	15° 5	27°26	20° 1	23°22	9°53	27°56	29° 5	22°30	n.a.	F 5
S 6	20 27 20	4°56'40	23°24	17°18	25°24	25°18	15°18	27°29	20° 0	23°23	9°52	27°46	29° 1	22°37	n.a.	S 6
S 7	20 31 16	5°55'01	7♒11	18°37	26°38	25°56	15°31	27°32	20° 0	23°24	9°50	27°38	28°58	22°43	n.a.	S 7
M 8	20 35 13	6°53'25	21°12	20° 2	27°52	26°34	15°44	27°34	20° 0	23°25	9°49	27°32	28°55	22°50	n.a.	M 8
T 9	20 39 9	7°51'51	5♓24	21°32	29° 6	27°13	15°57	27°37	20° 0	23°26	9°48	27°28	28°52	22°57	n.a.	T 9
W10	20 43 6	8°50'18	19°42	23° 5	0♍20	27°51	16°10	27°40	19°59	23°26	9°47	27°26	28°49	23° 3	n.a.	W10
T 11	20 47 2	9°48'48	4♈ 2	24°43	1°34	28°29	16°23	27°43	19°59	23°27	9°45	27°D26	28°45	23°10	n.a.	T 11
F 12	20 50 59	10°47'21	18°19	26°24	2°48	29° 8	16°36	27°46	19°59	23°28	9°44	27°27	28°42	23°17	n.a.	F 12
S 13	20 54 56	11°45'55	2♉33	28° 8	4° 2	29°46	16°49	27°49	19°58	23°29	9°43	27°28	28°39	23°23	n.a.	S 13
S 14	20 58 52	12°44'33	16°40	29°54	5°16	0♌24	17° 2	27°53	19°58	23°30	9°42	27°R28	28°36	23°30	n.a.	S 14
M15	21 2 49	13°43'12	0♊40	1♌42	6°30	1° 3	17°15	27°56	19°57	23°31	9°40	27°27	28°33	23°37	n.a.	M15
T 16	21 6 45	14°41'54	14°31	3°31	7°44	1°41	17°28	27°59	19°57	23°32	9°39	27°23	28°30	23°43	n.a.	T 16
W17	21 10 42	15°40'38	28°13	5°21	8°58	2°19	17°41	28° 3	19°56	23°33	9°38	27°18	28°26	23°50	n.a.	W17
T 18	21 14 38	16°39'25	11♋43	7°12	10°12	2°58	17°54	28° 6	19°55	23°35	9°37	27°12	28°23	23°57	n.a.	T 18
F 19	21 18 35	17°38'14	25° 1	9° 3	11°26	3°36	18° 7	28°10	19°54	23°36	9°35	27° 5	28°20	24° 3	n.a.	F 19
S 20	21 22 31	18°37'05	8♌ 5	10°54	12°40	4°14	18°20	28°14	19°54	23°37	9°34	26°59	28°17	24°10	n.a.	S 20
S 21	21 26 28	19°35'58	20°54	12°46	13°54	4°53	18°33	28°17	19°53	23°38	9°33	26°53	28°14	24°17	n.a.	S 21
M22	21 30 25	20°34'54	3♍28	14°37	15° 8	5°31	18°46	28°21	19°52	23°39	9°32	26°49	28°10	24°23	n.a.	M22
T 23	21 34 21	21°33'51	15°48	16°28	16°22	6°10	18°59	28°25	19°51	23°41	9°31	26°47	28° 7	24°30	n.a.	T 23
W24	21 38 18	22°32'50	27°55	18°18	17°35	6°48	19°12	28°29	19°50	23°42	9°29	26°D46	28° 4	24°37	n.a.	W24
T 25	21 42 14	23°31'52	9♎52	20° 8	18°49	7°27	19°25	28°34	19°49	23°43	9°28	26°47	28° 1	24°43	n.a.	T 25
F 26	21 46 11	24°30'55	21°42	21°57	20° 3	8° 5	19°38	28°38	19°48	23°44	9°27	26°49	27°58	24°50	n.a.	F 26
S 27	21 50 7	25°30'00	3♏30	23°45	21°17	8°43	19°51	28°42	19°47	23°46	9°26	26°50	27°55	24°57	n.a.	S 27
S 28	21 54 4	26°29'08	15°21	25°33	22°31	9°22	20° 4	28°46	19°45	23°47	9°24	26°52	27°51	25° 3	n.a.	S 28
M29	21 58 0	27°28'17	27°18	27°20	23°45	10° 0	20°17	28°51	19°44	23°49	9°23	26°R52	27°48	25°10	n.a.	M29
T 30	22 1 57	28°27'28	9♐28	29° 6	24°59	10°39	20°30	28°55	19°43	23°50	9°22	26°52	27°45	25°17	n.a.	T 30
W31	22 5 53	29♌26'41	21♐55	0♍51	26♍13	11♌17	20♌43	29♎ 0	19♈42	23♎52	9♒21	26♍50	27♍42	25♎23	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	20n25	14s 0	3n59	22n15	0s56	16n35	1n24	23n 4	1n 9	17n51	1n 6	8s38	2n10	7n26	0s33	7s22	1n57	32s 1	14s38	0n39	0n17	6s51			n.a.
T 2	20 12	16 18	4 34	22 28	0 39	16 11	1 23	22 58	1 9	17 47	1 6	8 39	2 10	7 26	0 33	7 23	1 57	32 2	14 39	0 41	0 19	6 53			n.a.
W 3	19 59	17 53	4 57	22 38	0 23	15 46	1 22	22 51	1 9	17 43	1 6	8 40	2 9	7 26	0 33	7 23	1 57	32 2	14 39	0 43	0 20	6 55			n.a.
T 4	19 46	18 38	5 6	22 47	0 8	15 20	1 21	22 45	1 9	17 39	1 6	8 41	2 9	7 26	0 33	7 23	1 57	32 3	14 39	0 47	0 21	6 57			n.a.
F 5	19 32	18 25	4 59	22 54	0n 6	14 55	1 20	22 38	1 10	17 35	1 6	8 42	2 9	7 26	0 33	7 23	1 57	32 3	14 39	0 50	0 22	6 58			n.a.
S 6	19 18	17 10	4 36	22 58	0 20	14 28	1 19	22 31	1 10	17 31	1 6	8 43	2 9	7 25	0 33	7 24	1 57	32 4	14 39	0 54	0 24	7 0			n.a.
S 7	19 3	14 55	3 57	23 0	0 33	14 2	1 18	22 24	1 10	17 28	1 6	8 45	2 8	7 25	0 33	7 24	1 57	32 4	14 39	0 57	0 25	7 2			n.a.
M 8	18 49	11 45	3 2	22 59	0 45	13 35	1 17	22 17	1 10	17 24	1 6	8 46	2 8	7 25	0 33	7 25	1 57	32 4	14 39	1 0	0 26	7 4			n.a.
T 9	18 33	7 52	1 56	22 56	0 56	13 7	1 15	22 9	1 10	17 20	1 6	8 47	2 8	7 25	0 33	7 25	1 57	32 5	14 39	1 1	0 27	7 5			n.a.
W10	18 18	3 30	0 42	22 50	1 5	12 40	1 14	22 2	1 10	17 16	1 6	8 48	2 8	7 25	0 33	7 25	1 57	32 5	14 39	1 2	0 29	7 7			n.a.
T 11	18 2	1n 5	0s36	22 42	1 14	12 12	1 12	21 54	1 10	17 12	1 6	8 50	2 7	7 25	0 33	7 26	1 57	32 6	14 39	1 2	0 30	7 9			n.a.
F 12	17 46	5 35	1 51	22 30	1 22	11 43	1 11	21 46	1 10	17 8	1 6	8 51	2 7	7 25	0 33	7 26	1 57	32 6	14 39	1 2	0 31	7 11			n.a.
S 13	17 30	9 44	2 58	22 16	1 28	11 15	1 9	21 38	1 11	17 4	1 6	8 52	2 7	7 24	0 33	7 27	1 57	32 6	14 39	1 1	0 33	7 12			n.a.
S 14	17 13	13 18	3 55	21 59	1 34	10 46	1 8	21 30	1 11	17 0	1 6	8 54	2 7	7 24	0 33	7 27	1 57	32 7	14 39	1 1	0 34	7 14			n.a.
M15	16 56	16 4	4 37	21 40	1 39	10 16	1 6	21 21	1 11	16 56	1 6	8 55	2 7	7 24	0 33	7 27	1 57	32 7	14 39	1 2	0 35	7 16			n.a.
T 16	16 39	17 52	5 2	21 18	1 43	9 47	1 4	21 13	1 11	16 52	1 6	8 57	2 6	7 24	0 33	7 28	1 56	32 8	14 39	1 3	0 36	7 18			n.a.
W17	16 22	18 36	5 10	20 54	1 46	9 17	1 3	21 4	1 11	16 48	1 6	8 58	2 6	7 24	0 33	7 28	1 56	32 8	14 39	1 5	0 38	7 19			n.a.
T 18	16 4	18 16	5 0	20 28	1 48	8 47	1 1	20 55	1 11	16 44	1 7	8 59	2 6	7 23	0 33	7 29	1 56	32 8	14 39	1 8	0 39	7 21			n.a.
F 19	15 46	16 56	4 34	20 0	1 50	8 17	0 59	20 46	1 11	16 40	1 7	9 1	2 6	7 23	0 33	7 29	1 56	32 9	14 39	1 10	0 40	7 23			n.a.
S 20	15 27	14 44	3 54	19 30	1 50	7 46	0 57	20 37	1 11	16 36	1 7	9 3	2 5	7 23	0 33	7 30	1 56	32 9	14 39	1 13	0 42	7 25			n.a.
S 21	15 9	11 50	3 3	18 59	1 50	7 16	0 55	20 28	1 11	16 32	1 7	9 4	2 5	7 22	0 33	7 30	1 56	32 9	14 39	1 15	0 43	7 26			n.a.
M22	14 50	8 27	2 4	18 25	1 50	6 45	0 53	20 18	1 12	16 28	1 7	9 6	2 5	7 22	0 33	7 31	1 56	32 10	14 39	1 17	0 44	7 28			n.a.
T 23	14 31	4 46	1 0	17 51	1 49	6 14	0 51	20 9	1 12	16 24	1 7	9 7	2 5	7 21	0 33	7 31	1 56	32 10	14 39	1 18	0 45	7 30			n.a.
W24	14 11	0 56	0n 6	17 15	1 47	5 43	0 48	19 59	1 12	16 20	1 7	9 9	2 4	7 21	0 33	7 32	1 56	32 10	14 39	1 18	0 47	7 31			n.a.
T 25	13 52	2s52	1 11	16 38	1 45	5 11	0 46	19 49	1 12	16 16	1 7	9 11	2 4	7 21	0 33	7 32	1 56	32 10	14 39	1 18	0 48	7 33			n.a.
F 26	13 32	6 32	2 12	15 59	1 42	4 40	0 44	19 39	1 12	16 11	1 7	9 12	2 4	7 20	0 33	7 33	1 56	32 11	14 39	1 17	0 49	7 35			n.a.
S 27	13 12	9 55	3 8	15 20	1 39	4 8	0 42	19 29	1 12	16 7	1 7	9 14	2 4	7 20	0 33	7 33	1 56	32 11	14 39	1 16	0 51	7 37			n.a.
S 28	12 52	12 55	3 56	14 40	1 35	3 36	0 39	19 19	1 12	16 3	1 7	9 16	2 4	7 19	0 33	7 34	1 56	32 11	14 39	1 16	0 52	7 38			n.a.
M29	12 31	15 23	4 34	13 59	1 31	3 5	0 37	19 9	1 12	15 59	1 7	9 18	2 3	7 19	0 33	7 35	1 56	32 12	14 39	1 16	0 53	7 40			n.a.
T 30	12 10	17 14	5 0	13 18	1 27	2 33	0 34	18 58	1 12	15 55	1 7	9 20	2 3	7 18	0 33	7 35	1 56	32 12	14 39	1 16	0 54	7 42			n.a.
W31	11n50	18s19	5n13	12n36	1n22	2n 1	0n32	18n47	1n12	15n51	1n 7	9s21	2n 3	7n18	0s33	7s36	1n56	32s12	14s38	1n17	0n56	7s43			n.a.

Julian Day Number = 1478378.5, Delta T = 05h24m52s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'49, Lahiri = -13°08'48 Julian Calendar 1 Aug. 666 BCE == Greg. Calendar 25 July 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

SEPTEMBER 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 9 50	0♍25'56	4♉42	2♍36	27♍26	11♌56	20♌56	29♎ 4	19°R40	23♎53	9°R20	26°R47	27♍39	25♎30	n.a.	T 1
F 2	22 13 47	1°25'13	17°53	4°19	28°40	12°34	21° 9	29° 9	19♈39	23°55	9♒19	26♍43	27°36	25°37	n.a.	F 2
S 3	22 17 43	2°24'32	1♒29	6° 2	29°54	13°13	21°22	29°14	19°37	23°56	9°18	26°40	27°32	25°43	n.a.	S 3
S 4	22 21 40	3°23'53	15°29	7°44	1♎ 8	13°51	21°35	29°19	19°36	23°58	9°16	26°36	27°29	25°50	n.a.	S 4
M 5	22 25 36	4°23'16	29°49	9°26	2°21	14°30	21°48	29°24	19°34	23°59	9°15	26°34	27°26	25°57	n.a.	M 5
T 6	22 29 33	5°22'41	14♓24	11° 6	3°35	15° 8	22° 1	29°29	19°33	24° 1	9°14	26°32	27°23	26° 3	n.a.	T 6
W 7	22 33 29	6°22'08	29° 9	12°46	4°49	15°47	22°14	29°34	19°31	24° 3	9°13	26°D32	27°20	26°10	n.a.	W 7
T 8	22 37 26	7°21'37	13♈55	14°25	6° 3	16°25	22°26	29°39	19°30	24° 4	9°12	26°32	27°16	26°17	n.a.	T 8
F 9	22 41 22	8°21'09	28°36	16° 3	7°16	17° 4	22°39	29°44	19°28	24° 6	9°11	26°34	27°13	26°23	n.a.	F 9
S 10	22 45 19	9°20'43	13♉ 7	17°40	8°30	17°43	22°52	29°49	19°26	24° 8	9°10	26°35	27°10	26°30	n.a.	S 10
S 11	22 49 15	10°20'20	27°24	19°17	9°44	18°21	23° 5	29°54	19°24	24° 9	9° 9	26°36	27° 7	26°37	n.a.	S 11
M12	22 53 12	11°19'59	11♊25	20°53	10°57	19° 0	23°18	29°59	19°23	24°11	9° 8	26°R36	27° 4	26°43	n.a.	M12
T 13	22 57 9	12°19'41	25° 8	22°29	12°11	19°38	23°30	0♏ 5	19°21	24°13	9° 7	26°36	27° 1	26°50	n.a.	T 13
W14	23 1 5	13°19'25	8♋35	24° 4	13°25	20°17	23°43	0°11	19°19	24°15	9° 6	26°35	26°57	26°57	n.a.	W14
T 15	23 5 2	14°19'11	21°46	25°38	14°38	20°56	23°56	0°16	19°17	24°17	9° 5	26°33	26°54	27° 3	n.a.	T 15
F 16	23 8 58	15°19'00	4♌42	27°11	15°52	21°34	24° 8	0°22	19°15	24°18	9° 4	26°32	26°51	27°10	n.a.	F 16
S 17	23 12 55	16°18'51	17°23	28°44	17° 5	22°13	24°21	0°27	19°13	24°20	9° 3	26°30	26°48	27°17	n.a.	S 17
S 18	23 16 51	17°18'44	29°52	0♎17	18°19	22°52	24°33	0°33	19°11	24°22	9° 2	26°29	26°45	27°23	n.a.	S 18
M19	23 20 48	18°18'40	12♍10	1°48	19°32	23°30	24°46	0°39	19° 9	24°24	9° 1	26°28	26°42	27°30	n.a.	M19
T 20	23 24 44	19°18'37	24°18	3°20	20°46	24° 9	24°58	0°45	19° 7	24°26	9° 0	26°D28	26°38	27°37	n.a.	T 20
W21	23 28 41	20°18'36	6♎17	4°50	21°59	24°48	25°11	0°50	19° 5	24°28	8°59	26°28	26°35	27°43	n.a.	W21
T 22	23 32 38	21°18'38	18°10	6°20	23°13	25°27	25°23	0°56	19° 3	24°30	8°58	26°28	26°32	27°50	n.a.	T 22
F 23	23 36 34	22°18'41	29°58	7°50	24°26	26° 5	25°36	1° 2	19° 1	24°32	8°58	26°29	26°29	27°56	n.a.	F 23
S 24	23 40 31	23°18'46	11♏46	9°18	25°40	26°44	25°48	1° 8	18°58	24°34	8°57	26°29	26°26	28° 3	n.a.	S 24
S 25	23 44 27	24°18'53	23°36	10°47	26°53	27°23	26° 0	1°14	18°56	24°36	8°56	26°30	26°22	28°10	n.a.	S 25
M26	23 48 24	25°19'02	5♐33	12°14	28° 7	28° 2	26°12	1°20	18°54	24°38	8°55	26°30	26°19	28°16	n.a.	M26
T 27	23 52 20	26°19'13	17°40	13°41	29°20	28°40	26°25	1°26	18°52	24°40	8°54	26°30	26°16	28°23	n.a.	T 27
W28	23 56 17	27°19'25	0♑ 3	15° 8	0♏33	29°19	26°37	1°33	18°50	24°42	8°54	26°30	26°13	28°30	n.a.	W28
T 29	0 0 13	28°19'39	12°45	16°33	1°47	29°58	26°49	1°39	18°47	24°44	8°53	26°30	26°10	28°36	n.a.	T 29
F 30	0 4 10	29♍19'54	25♑50	17♎58	3♏ 0	0♍37	27♌ 1	1♏45	18♈45	24♎46	8♒52	26♍30	26♍ 7	28♎43	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n28	18s30	5n11	11n54	1n17	1n29	0n29	18n37	1n12	15n47	1n 7	9s23	2n 3	7n17	0s33	7s36	1n56	32s12	14s38	1n18	0n57	7s45		n.a.
F 2	11 7	17 43	4 53	11 11	1 12	0 57	0 27	18 26	1 12	15 42	1 7	9 25	2 3	7 17	0 33	7 37	1 55	32 13	14 38	1 19	0 58	7 47		n.a.
S 3	10 46	15 54	4 18	10 27	1 7	0 24	0 24	18 15	1 13	15 38	1 7	9 27	2 2	7 16	0 33	7 38	1 55	32 13	14 38	1 21	1 0	7 49		n.a.
S 4	10 24	13 7	3 27	9 44	1 1	0s 8	0 21	18 3	1 13	15 34	1 8	9 29	2 2	7 16	0 33	7 38	1 55	32 13	14 38	1 22	1 1	7 50		n.a.
M 5	10 2	9 29	2 22	9 0	0 55	0 40	0 19	17 52	1 13	15 30	1 8	9 31	2 2	7 15	0 33	7 39	1 55	32 13	14 38	1 23	1 2	7 52		n.a.
T 6	9 40	5 12	1 6	8 16	0 50	1 12	0 16	17 41	1 13	15 26	1 8	9 33	2 2	7 14	0 33	7 40	1 55	32 13	14 38	1 24	1 3	7 54		n.a.
W 7	9 18	0 34	0s14	7 32	0 43	1 44	0 13	17 29	1 13	15 22	1 8	9 35	2 2	7 14	0 33	7 40	1 55	32 14	14 38	1 24	1 5	7 55		n.a.
T 8	8 56	4n 7	1 35	6 47	0 37	2 16	0 10	17 17	1 13	15 18	1 8	9 37	2 1	7 13	0 33	7 41	1 55	32 14	14 37	1 24	1 6	7 57		n.a.
F 9	8 33	8 30	2 48	6 3	0 31	2 49	0 8	17 6	1 13	15 13	1 8	9 39	2 1	7 12	0 33	7 42	1 55	32 14	14 37	1 23	1 7	7 59		n.a.
S 10	8 10	12 20	3 50	5 19	0 24	3 21	0 5	16 54	1 13	15 9	1 8	9 41	2 1	7 12	0 33	7 42	1 55	32 14	14 37	1 23	1 8	8 1		n.a.
S 11	7 48	15 22	4 37	4 34	0 18	3 53	0 2	16 42	1 13	15 5	1 8	9 43	2 1	7 11	0 33	7 43	1 55	32 14	14 37	1 22	1 10	8 2		n.a.
M12	7 25	17 25	5 6	3 50	0 11	4 25	0s 1	16 29	1 13	15 1	1 8	9 45	2 1	7 10	0 33	7 44	1 55	32 15	14 37	1 22	1 11	8 4		n.a.
T 13	7 2	18 24	5 17	3 6	0 4	4 56	0 4	16 17	1 13	14 57	1 8	9 47	2 0	7 10	0 33	7 44	1 55	32 15	14 37	1 22	1 12	8 6		n.a.
W14	6 39	18 20	5 10	2 21	0s 2	5 28	0 7	16 5	1 13	14 53	1 8	9 49	2 0	7 9	0 33	7 45	1 55	32 15	14 37	1 23	1 14	8 7		n.a.
T 15	6 15	17 16	4 47	1 37	0 9	6 0	0 10	15 52	1 13	14 48	1 9	9 51	2 0	7 8	0 33	7 46	1 55	32 15	14 36	1 23	1 15	8 9		n.a.
F 16	5 52	15 19	4 9	0 53	0 16	6 31	0 13	15 40	1 13	14 44	1 9	9 53	2 0	7 7	0 33	7 46	1 55	32 15	14 36	1 24	1 16	8 11		n.a.
S 17	5 28	12 40	3 20	0 10	0 23	7 3	0 16	15 27	1 13	14 40	1 9	9 55	2 0	7 7	0 33	7 47	1 55	32 15	14 36	1 25	1 17	8 13		n.a.
S 18	5 5	9 27	2 22	0s34	0 30	7 34	0 19	15 14	1 13	14 36	1 9	9 58	2 0	7 6	0 33	7 48	1 55	32 15	14 36	1 25	1 19	8 14		n.a.
M19	4 41	5 53	1 19	1 17	0 36	8 5	0 22	15 1	1 13	14 32	1 9	10 0	1 59	7 5	0 33	7 49	1 55	32 15	14 36	1 25	1 20	8 16		n.a.
T 20	4 17	2 7	0 12	2 0	0 43	8 36	0 25	14 48	1 13	14 28	1 9	10 2	1 59	7 4	0 33	7 49	1 55	32 15	14 35	1 25	1 21	8 18		n.a.
W21	3 53	1s42	0n54	2 43	0 50	9 7	0 28	14 35	1 13	14 23	1 9	10 4	1 59	7 4	0 33	7 50	1 55	32 15	14 35	1 25	1 23	8 19		n.a.
T 22	3 30	5 24	1 58	3 25	0 57	9 37	0 31	14 22	1 13	14 19	1 9	10 6	1 59	7 3	0 33	7 51	1 55	32 15	14 35	1 25	1 24	8 21		n.a.
F 23	3 6	8 53	2 56	4 7	1 3	10 7	0 34	14 9	1 13	14 15	1 9	10 9	1 59	7 2	0 33	7 52	1 55	32 16	14 35	1 25	1 25	8 23		n.a.
S 24	2 41	11 59	3 46	4 48	1 10	10 37	0 37	13 55	1 13	14 11	1 10	10 11	1 59	7 1	0 33	7 52	1 54	32 16	14 35	1 25	1 26	8 24		n.a.
S 25	2 17	14 37	4 27	5 29	1 16	11 7	0 40	13 42	1 13	14 7	1 10	10 13	1 58	7 0	0 33	7 53	1 54	32 16	14 34	1 25	1 28	8 26		n.a.
M26	1 53	16 39	4 57	6 10	1 23	11 37	0 43	13 28	1 13	14 3	1 10	10 15	1 58	6 59	0 33	7 54	1 54	32 16	14 34	1 25	1 29	8 28		n.a.
T 27	1 29	17 59	5 14	6 50	1 29	12 6	0 46	13 14	1 13	13 59	1 10	10 18	1 58	6 58	0 33	7 55	1 54	32 16	14 34	1 25	1 30	8 29		n.a.
W28	1 5	18 29	5 17	7 30	1 35	12 35	0 49	13 1	1 13	13 55	1 10	10 20	1 58	6 58	0 33	7 56	1 54	32 16	14 34	1 25	1 31	8 31		n.a.
T 29	0 40	18 5	5 5	8 9	1 41	13 4	0 52	12 47	1 13	13 51	1 10	10 22	1 58	6 57	0 33	7 56	1 54	32 16	14 33	1 25	1 33	8 33		n.a.
F 30	0n16	16s44	4n37	8s47	1s47	13s32	0s55	12n33	1n13	13n47	1n10	10s25	1n58	6n56	0s33	7s57	1n54	32s16	14s33	1n25	1n34	8s35		n.a.

Julian Day Number = 1478409.5, Delta T = 05h24m51s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'44, Lahiri = -13°08'44 Julian Calendar 1 Sept. 666 BCE == Greg. Calendar 25 Aug. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

OCTOBER 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 8 6	0♎20'11	9♒22	19♎23	4♏13	1♍16	27♌13	1♏51	18°R43	24♎48	8°R51	26♍30	26♍ 3	28♎50	n.a.	S 1
S 2	0 12 3	1°20'30	23°21	20°46	5°26	1°54	27°25	1°58	18♈40	24°50	8♒51	26°31	26° 0	28°57	n.a.	S 2
M 3	0 16 0	2°20'50	7♓45	22° 8	6°40	2°33	27°36	2° 4	18°38	24°52	8°50	26°31	25°57	29° 3	n.a.	M 3
T 4	0 19 56	3°21'12	22°32	23°30	7°53	3°12	27°48	2°11	18°35	24°54	8°49	26°R32	25°54	29°10	n.a.	T 4
W 5	0 23 53	4°21'36	7♈33	24°51	9° 6	3°51	28° 0	2°17	18°33	24°57	8°49	26°32	25°51	29°17	n.a.	W 5
T 6	0 27 49	5°22'01	22°42	26°10	10°19	4°30	28°11	2°23	18°31	24°59	8°48	26°31	25°47	29°23	n.a.	T 6
F 7	0 31 46	6°22'29	7♉47	27°28	11°32	5° 9	28°23	2°30	18°28	25° 1	8°48	26°30	25°44	29°30	n.a.	F 7
S 8	0 35 42	7°22'58	22°42	28°45	12°45	5°48	28°35	2°36	18°26	25° 3	8°47	26°29	25°41	29°37	n.a.	S 8
S 9	0 39 39	8°23'30	7♊17	0♏ 0	13°58	6°27	28°46	2°43	18°23	25° 5	8°46	26°27	25°38	29°43	n.a.	S 9
M10	0 43 35	9°24'03	21°30	1°14	15°11	7° 5	28°57	2°50	18°21	25° 7	8°46	26°26	25°35	29°50	n.a.	M10
T 11	0 47 32	10°24'38	5♋19	2°25	16°24	7°44	29° 9	2°56	18°18	25°10	8°45	26°D26	25°32	29°57	n.a.	T 11
W12	0 51 29	11°25'16	18°43	3°35	17°37	8°23	29°20	3° 3	18°16	25°12	8°45	26°26	25°28	0♏ 3	n.a.	W12
T 13	0 55 25	12°25'55	1♌44	4°42	18°50	9° 2	29°31	3°10	18°13	25°14	8°45	26°27	25°25	0°10	n.a.	T 13
F 14	0 59 22	13°26'36	14°27	5°46	20° 3	9°41	29°42	3°16	18°11	25°16	8°44	26°28	25°22	0°17	n.a.	F 14
S 15	1 3 18	14°27'18	26°53	6°47	21°15	10°20	29°53	3°23	18° 8	25°18	8°44	26°29	25°19	0°23	n.a.	S 15
S 16	1 7 15	15°28'03	9♍ 6	7°45	22°28	10°59	0♍ 4	3°30	18° 6	25°21	8°43	26°31	25°16	0°30	n.a.	S 16
M17	1 11 11	16°28'49	21°10	8°39	23°41	11°38	0°15	3°37	18° 3	25°23	8°43	26°R32	25°13	0°37	n.a.	M17
T 18	1 15 8	17°29'37	3♎ 7	9°28	24°54	12°17	0°26	3°44	18° 1	25°25	8°43	26°31	25° 9	0°43	n.a.	T 18
W19	1 19 4	18°30'26	14°59	10°12	26° 6	12°56	0°37	3°50	17°58	25°27	8°42	26°30	25° 6	0°50	n.a.	W19
T 20	1 23 1	19°31'17	26°48	10°50	27°19	13°36	0°47	3°57	17°56	25°30	8°42	26°28	25° 3	0°57	n.a.	T 20
F 21	1 26 58	20°32'09	8♏37	11°22	28°31	14°15	0°58	4° 4	17°53	25°32	8°42	26°24	25° 0	1° 3	n.a.	F 21
S 22	1 30 54	21°33'02	20°27	11°47	29°44	14°54	1° 8	4°11	17°51	25°34	8°42	26°20	24°57	1°10	n.a.	S 22
S 23	1 34 51	22°33'57	2♐20	12° 3	0♐56	15°33	1°19	4°18	17°48	25°36	8°41	26°15	24°53	1°17	n.a.	S 23
M24	1 38 47	23°34'52	14°20	12°R11	2° 9	16°12	1°29	4°25	17°46	25°39	8°41	26°10	24°50	1°23	n.a.	M24
T 25	1 42 44	24°35'49	26°28	12°10	3°21	16°51	1°39	4°32	17°43	25°41	8°41	26° 7	24°47	1°30	n.a.	T 25
W26	1 46 40	25°36'47	8♑49	11°58	4°34	17°30	1°49	4°39	17°41	25°43	8°41	26° 4	24°44	1°37	n.a.	W26
T 27	1 50 37	26°37'46	21°26	11°35	5°46	18° 9	1°59	4°46	17°38	25°45	8°41	26°D 3	24°41	1°43	n.a.	T 27
F 28	1 54 33	27°38'45	4♒23	11° 1	6°58	18°48	2° 9	4°53	17°36	25°48	8°41	26° 3	24°38	1°50	n.a.	F 28
S 29	1 58 30	28°39'45	17°43	10°17	8°10	19°28	2°19	5° 0	17°33	25°50	8°41	26° 4	24°34	1°57	n.a.	S 29
S 30	2 2 27	29°40'47	1♓30	9°21	9°22	20° 7	2°28	5° 7	17°31	25°52	8°41	26° 5	24°31	2° 3	n.a.	S 30
M31	2 6 23	0♏41'48	15♓44	8♏17	10♐35	20♍46	2♍38	5♏14	17♈29	25♎54	8°D41	26♍ 7	24♍28	2♏10	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s 8	14s25	3n53	9s25	1s53	14s 0	0s58	12n19	1n13	13n43	1n10	10s27	1n58	6n55	0s33	7s58	1n54	32s16	14s33	1n24	1n35	8s36		n.a.
S 2	0 32	11 11	2 54	10 2	1 58	14 28	1 1	12 5	1 13	13 39	1 11	10 29	1 57	6 54	0 33	7 59	1 54	32 16	14 33	1 24	1 37	8 38		n.a.
M 3	0 57	7 12	1 43	10 39	2 3	14 55	1 3	11 51	1 13	13 35	1 11	10 31	1 57	6 53	0 33	8 0	1 54	32 15	14 33	1 24	1 38	8 40		n.a.
T 4	1 21	2 40	0 22	11 14	2 9	15 22	1 6	11 36	1 13	13 31	1 11	10 34	1 57	6 52	0 33	8 0	1 54	32 15	14 32	1 24	1 39	8 41		n.a.
W 5	1 45	2n 6	1s 1	11 49	2 13	15 49	1 9	11 22	1 13	13 27	1 11	10 36	1 57	6 51	0 33	8 1	1 54	32 15	14 32	1 24	1 40	8 43		n.a.
T 6	2 10	6 47	2 20	12 22	2 18	16 15	1 12	11 8	1 13	13 23	1 11	10 39	1 57	6 50	0 33	8 2	1 54	32 15	14 32	1 24	1 42	8 45		n.a.
F 7	2 34	11 0	3 30	12 55	2 22	16 41	1 15	10 53	1 13	13 19	1 11	10 41	1 57	6 49	0 33	8 3	1 54	32 15	14 31	1 25	1 43	8 46		n.a.
S 8	2 58	14 27	4 24	13 27	2 26	17 7	1 18	10 39	1 13	13 15	1 11	10 43	1 57	6 48	0 33	8 4	1 54	32 15	14 31	1 25	1 44	8 48		n.a.
S 9	3 22	16 54	5 0	13 57	2 29	17 32	1 20	10 24	1 13	13 11	1 12	10 46	1 57	6 47	0 33	8 4	1 54	32 15	14 31	1 26	1 46	8 50		n.a.
M10	3 47	18 14	5 16	14 26	2 32	17 56	1 23	10 9	1 13	13 7	1 12	10 48	1 57	6 47	0 33	8 5	1 54	32 15	14 31	1 26	1 47	8 51		n.a.
T 11	4 11	18 27	5 13	14 54	2 35	18 20	1 26	9 54	1 13	13 3	1 12	10 50	1 56	6 46	0 33	8 6	1 54	32 15	14 30	1 26	1 48	8 53		n.a.
W12	4 35	17 36	4 54	15 20	2 37	18 44	1 29	9 40	1 13	12 59	1 12	10 53	1 56	6 45	0 33	8 7	1 54	32 15	14 30	1 26	1 49	8 55		n.a.
T 13	4 59	15 50	4 19	15 45	2 39	19 7	1 31	9 25	1 13	12 55	1 12	10 55	1 56	6 44	0 33	8 8	1 54	32 14	14 30	1 26	1 51	8 56		n.a.
F 14	5 23	13 20	3 33	16 8	2 39	19 30	1 34	9 10	1 13	12 52	1 12	10 58	1 56	6 43	0 33	8 9	1 54	32 14	14 30	1 26	1 52	8 58		n.a.
S 15	5 47	10 16	2 37	16 29	2 40	19 52	1 36	8 55	1 13	12 48	1 13	11 0	1 56	6 42	0 33	8 9	1 54	32 14	14 29	1 25	1 53	9 0		n.a.
S 16	6 10	6 48	1 35	16 48	2 39	20 14	1 39	8 40	1 13	12 44	1 13	11 2	1 56	6 41	0 33	8 10	1 54	32 14	14 29	1 24	1 55	9 1		n.a.
M17	6 34	3 6	0 30	17 4	2 38	20 35	1 41	8 25	1 12	12 40	1 13	11 5	1 56	6 40	0 33	8 11	1 54	32 14	14 29	1 24	1 56	9 3		n.a.
T 18	6 58	0s42	0n36	17 18	2 36	20 56	1 43	8 9	1 12	12 37	1 13	11 7	1 56	6 39	0 33	8 12	1 54	32 14	14 28	1 24	1 57	9 5		n.a.
W19	7 21	4 27	1 40	17 30	2 33	21 16	1 46	7 54	1 12	12 33	1 13	11 10	1 56	6 38	0 33	8 13	1 54	32 13	14 28	1 25	1 58	9 6		n.a.
T 20	7 44	8 0	2 39	17 38	2 29	21 35	1 48	7 39	1 12	12 29	1 14	11 12	1 56	6 37	0 33	8 14	1 54	32 13	14 28	1 25	2 0	9 8		n.a.
F 21	8 8	11 14	3 31	17 43	2 23	21 54	1 50	7 23	1 12	12 26	1 14	11 15	1 55	6 36	0 33	8 14	1 54	32 13	14 27	1 27	2 1	9 10		n.a.
S 22	8 31	14 1	4 15	17 45	2 17	22 12	1 52	7 8	1 12	12 22	1 14	11 17	1 55	6 35	0 33	8 15	1 54	32 13	14 27	1 29	2 2	9 11		n.a.
S 23	8 54	16 14	4 47	17 42	2 9	22 30	1 54	6 53	1 12	12 19	1 14	11 19	1 55	6 34	0 33	8 16	1 54	32 13	14 27	1 31	2 3	9 13		n.a.
M24	9 17	17 46	5 7	17 36	1 59	22 47	1 57	6 37	1 12	12 15	1 14	11 22	1 55	6 33	0 33	8 17	1 54	32 12	14 27	1 32	2 5	9 15		n.a.
T 25	9 40	18 30	5 13	17 25	1 48	23 3	1 58	6 22	1 12	12 12	1 15	11 24	1 55	6 32	0 33	8 18	1 54	32 12	14 26	1 34	2 6	9 16		n.a.
W26	10 2	18 23	5 6	17 9	1 36	23 19	2 0	6 6	1 12	12 8	1 15	11 27	1 55	6 31	0 33	8 19	1 54	32 12	14 26	1 35	2 7	9 18		n.a.
T 27	10 25	17 22	4 43	16 49	1 22	23 34	2 2	5 50	1 12	12 5	1 15	11 29	1 55	6 30	0 33	8 19	1 54	32 12	14 26	1 36	2 9	9 20		n.a.
F 28	10 47	15 27	4 6	16 23	1 6	23 49	2 4	5 35	1 11	12 1	1 15	11 31	1 55	6 29	0 33	8 20	1 54	32 11	14 25	1 36	2 10	9 21		n.a.
S 29	11 9	12 39	3 15	15 52	0 49	24 2	2 6	5 19	1 11	11 58	1 15	11 34	1 55	6 28	0 33	8 21	1 54	32 11	14 25	1 35	2 11	9 23		n.a.
S 30	11 31	9 4	2 11	15 17	0 30	24 16	2 7	5 3	1 11	11 55	1 16	11 36	1 55	6 27	0 33	8 22	1 54	32 11	14 25	1 35	2 12	9 25		n.a.
M31	11s53	4s50	0n57	14s37	0s10	24s28	2s 9	4n48	1n11	11n51	1n16	11s39	1n55	6n26	0s33	8s23	1n54	32s10	14s24	1n34	2n14	9s26		n.a.

Julian Day Number = 1478439.5, Delta T = 05h24m49s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'40, Lahiri = -13°08'40 Julian Calendar 1 Oct. 666 BCE == Greg. Calendar 24 Sept. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

NOVEMBER 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 10 20	1♏42'51	0♈24	7°R 4	11♐46	21♍25	2♍47	5♏21	17°R26	25♎57	8♒41	26°R 7	24♍25	2♏17	n.a.	T 1
W 2	2 14 16	2°43'54	15°25	5♏45	12°58	22° 4	2°57	5°28	17♈24	25°59	8°41	26♍ 6	24°22	2°23	n.a.	W 2
T 3	2 18 13	3°44'59	0♉40	4°23	14°10	22°43	3° 6	5°35	17°21	26° 1	8°41	26° 2	24°18	2°30	n.a.	T 3
F 4	2 22 9	4°46'04	15°58	3° 0	15°22	23°23	3°15	5°42	17°19	26° 3	8°41	25°57	24°15	2°37	n.a.	F 4
S 5	2 26 6	5°47'10	1♊ 9	1°39	16°34	24° 2	3°24	5°49	17°17	26° 6	8°41	25°51	24°12	2°43	n.a.	S 5
S 6	2 30 2	6°48'18	16° 4	0°24	17°45	24°41	3°33	5°56	17°14	26° 8	8°41	25°45	24° 9	2°50	n.a.	S 6
M 7	2 33 59	7°49'26	0♋33	29♎15	18°57	25°20	3°42	6° 3	17°12	26°10	8°41	25°39	24° 6	2°57	n.a.	M 7
T 8	2 37 56	8°50'35	14°34	28°15	20° 8	26° 0	3°50	6°10	17°10	26°12	8°42	25°35	24° 3	3° 3	n.a.	T 8
W 9	2 41 52	9°51'46	28° 5	27°25	21°20	26°39	3°59	6°17	17° 7	26°15	8°42	25°32	23°59	3°10	n.a.	W 9
T 10	2 45 49	10°52'57	11♌ 8	26°47	22°31	27°18	4° 7	6°24	17° 5	26°17	8°42	25°D31	23°56	3°17	n.a.	T 10
F 11	2 49 45	11°54'09	23°48	26°19	23°42	27°58	4°16	6°31	17° 3	26°19	8°42	25°32	23°53	3°23	n.a.	F 11
S 12	2 53 42	12°55'22	6♍ 8	26° 3	24°54	28°37	4°24	6°38	17° 1	26°21	8°43	25°33	23°50	3°30	n.a.	S 12
S 13	2 57 38	13°56'36	18°14	25°D57	26° 5	29°16	4°32	6°45	16°59	26°23	8°43	25°35	23°47	3°37	n.a.	S 13
M14	3 1 35	14°57'50	0♎ 9	26° 1	27°16	29°56	4°40	6°52	16°56	26°26	8°43	25°R35	23°44	3°43	n.a.	M14
T 15	3 5 31	15°59'06	11°59	26°15	28°26	0♎35	4°47	6°59	16°54	26°28	8°44	25°33	23°40	3°50	n.a.	T 15
W16	3 9 28	17° 0'21	23°47	26°37	29°37	1°14	4°55	7° 6	16°52	26°30	8°44	25°29	23°37	3°57	n.a.	W16
T 17	3 13 25	18° 1'38	5♏36	27° 6	0♏48	1°54	5° 3	7°13	16°50	26°32	8°44	25°22	23°34	4° 3	n.a.	T 17
F 18	3 17 21	19° 2'55	17°27	27°43	1°59	2°33	5°10	7°20	16°48	26°34	8°45	25°13	23°31	4°10	n.a.	F 18
S 19	3 21 18	20° 4'12	29°22	28°26	3° 9	3°12	5°17	7°26	16°46	26°36	8°45	25° 3	23°28	4°17	n.a.	S 19
S 20	3 25 14	21° 5'29	11♐23	29°14	4°19	3°52	5°24	7°33	16°44	26°38	8°46	24°51	23°24	4°24	n.a.	S 20
M21	3 29 11	22° 6'47	23°32	0♏ 7	5°30	4°31	5°31	7°40	16°42	26°40	8°46	24°40	23°21	4°30	n.a.	M21
T 22	3 33 7	23° 8'05	5♑48	1° 4	6°40	5°11	5°38	7°47	16°40	26°43	8°47	24°30	23°18	4°37	n.a.	T 22
W23	3 37 4	24° 9'22	18°15	2° 5	7°50	5°50	5°45	7°54	16°38	26°45	8°47	24°22	23°15	4°44	n.a.	W23
T 24	3 41 0	25°10'40	0♒54	3° 9	9° 0	6°30	5°51	8° 1	16°37	26°47	8°48	24°16	23°12	4°50	n.a.	T 24
F 25	3 44 57	26°11'57	13°49	4°16	10°10	7° 9	5°58	8° 8	16°35	26°49	8°49	24°13	23° 9	4°57	n.a.	F 25
S 26	3 48 54	27°13'14	27° 2	5°26	11°19	7°48	6° 4	8°14	16°33	26°51	8°49	24°D12	23° 5	5° 4	n.a.	S 26
S 27	3 52 50	28°14'31	10♓36	6°38	12°29	8°28	6°10	8°21	16°31	26°53	8°50	24°13	23° 2	5°10	n.a.	S 27
M28	3 56 47	29°15'48	24°34	7°52	13°38	9° 7	6°16	8°28	16°30	26°55	8°51	24°R13	22°59	5°17	n.a.	M28
T 29	4 0 43	0♗17'04	8♈56	9° 8	14°47	9°47	6°21	8°35	16°28	26°57	8°51	24°12	22°56	5°24	n.a.	T 29
W30	4 4 40	1♗18'19	23♈40	10♏25	15♑56	10♎26	6♍27	8♏41	16♈26	26♎59	8♒52	24♍ 9	22♍53	5♏30	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s14	0s12	0s23	13s54	0n10	24s40	2s10	4n32	1n11	11n48	1n16	11s41	1n55	6n26	0s33	8s24	1n54	32s10	14s24	1n34	2n15	9s28		n.a.
W 2	12 35	4n34	1 43	13 9	0 31	24 51	2 12	4 16	1 11	11 45	1 16	11 43	1 55	6 25	0 33	8 24	1 54	32 10	14 24	1 34	2 16	9 30		n.a.
T 3	12 56	9 6	2 57	12 22	0 51	25 1	2 13	4 0	1 11	11 42	1 16	11 46	1 55	6 24	0 33	8 25	1 54	32 9	14 23	1 36	2 17	9 31		n.a.
F 4	13 17	13 3	3 58	11 35	1 11	25 11	2 14	3 44	1 10	11 39	1 17	11 48	1 55	6 23	0 33	8 26	1 54	32 9	14 23	1 38	2 19	9 33		n.a.
S 5	13 38	16 5	4 42	10 49	1 29	25 19	2 15	3 29	1 10	11 35	1 17	11 51	1 55	6 22	0 33	8 27	1 54	32 9	14 23	1 40	2 20	9 34		n.a.
S 6	13 59	17 58	5 6	10 7	1 46	25 28	2 16	3 13	1 10	11 32	1 17	11 53	1 55	6 21	0 33	8 28	1 54	32 8	14 23	1 43	2 21	9 36		n.a.
M 7	14 19	18 37	5 9	9 29	2 1	25 35	2 17	2 57	1 10	11 29	1 17	11 55	1 54	6 20	0 33	8 28	1 54	32 8	14 22	1 45	2 23	9 38		n.a.
T 8	14 39	18 6	4 53	8 55	2 14	25 42	2 18	2 41	1 10	11 26	1 18	11 58	1 54	6 19	0 33	8 29	1 54	32 8	14 22	1 47	2 24	9 39		n.a.
W 9	14 58	16 34	4 22	8 27	2 25	25 47	2 19	2 25	1 10	11 23	1 18	12 0	1 54	6 18	0 33	8 30	1 54	32 7	14 22	1 48	2 25	9 41		n.a.
T 10	15 18	14 11	3 37	8 5	2 33	25 53	2 19	2 9	1 10	11 21	1 18	12 2	1 54	6 18	0 33	8 31	1 54	32 7	14 21	1 48	2 26	9 43		n.a.
F 11	15 37	11 12	2 44	7 49	2 40	25 57	2 20	1 53	1 9	11 18	1 18	12 5	1 54	6 17	0 33	8 32	1 54	32 7	14 21	1 48	2 28	9 44		n.a.
S 12	15 56	7 47	1 43	7 39	2 44	26 1	2 20	1 37	1 9	11 15	1 18	12 7	1 54	6 16	0 33	8 32	1 54	32 6	14 21	1 47	2 29	9 46		n.a.
S 13	16 15	4 7	0 40	7 34	2 47	26 3	2 21	1 21	1 9	11 12	1 19	12 9	1 54	6 15	0 33	8 33	1 54	32 6	14 20	1 47	2 30	9 48		n.a.
M14	16 33	0 19	0n25	7 35	2 48	26 6	2 21	1 5	1 9	11 9	1 19	12 12	1 54	6 14	0 33	8 34	1 54	32 6	14 20	1 47	2 32	9 49		n.a.
T 15	16 51	3s28	1 27	7 40	2 48	26 7	2 21	0 49	1 9	11 7	1 19	12 14	1 54	6 13	0 33	8 35	1 54	32 5	14 20	1 48	2 33	9 51		n.a.
W16	17 9	7 6	2 26	7 49	2 46	26 7	2 21	0 33	1 8	11 4	1 19	12 16	1 54	6 13	0 33	8 36	1 54	32 5	14 19	1 49	2 34	9 52		n.a.
T 17	17 26	10 28	3 18	8 2	2 44	26 7	2 21	0 17	1 8	11 2	1 20	12 19	1 54	6 12	0 33	8 36	1 54	32 4	14 19	1 52	2 35	9 54		n.a.
F 18	17 44	13 25	4 2	8 19	2 40	26 6	2 21	0 1	1 8	10 59	1 20	12 21	1 54	6 11	0 33	8 37	1 54	32 4	14 19	1 55	2 37	9 56		n.a.
S 19	18 0	15 49	4 35	8 38	2 36	26 5	2 21	0s16	1 8	10 57	1 20	12 23	1 54	6 10	0 33	8 38	1 54	32 3	14 18	2 0	2 38	9 57		n.a.
S 20	18 17	17 34	4 56	9 0	2 31	26 2	2 20	0 32	1 8	10 54	1 20	12 26	1 54	6 10	0 33	8 39	1 54	32 3	14 18	2 4	2 39	9 59		n.a.
M21	18 33	18 33	5 4	9 24	2 26	25 59	2 20	0 48	1 7	10 52	1 21	12 28	1 54	6 9	0 33	8 39	1 54	32 3	14 18	2 9	2 40	10 1		n.a.
T 22	18 49	18 40	4 59	9 50	2 19	25 55	2 19	1 4	1 7	10 50	1 21	12 30	1 54	6 8	0 33	8 40	1 54	32 2	14 18	2 13	2 42	10 2		n.a.
W23	19 4	17 54	4 39	10 17	2 13	25 50	2 18	1 20	1 7	10 47	1 21	12 32	1 54	6 8	0 33	8 41	1 54	32 2	14 17	2 16	2 43	10 4		n.a.
T 24	19 19	16 15	4 5	10 45	2 6	25 45	2 17	1 36	1 7	10 45	1 22	12 34	1 54	6 7	0 33	8 41	1 54	32 1	14 17	2 18	2 44	10 5		n.a.
F 25	19 34	13 45	3 18	11 15	1 59	25 39	2 17	1 52	1 6	10 43	1 22	12 37	1 54	6 6	0 33	8 42	1 54	32 1	14 17	2 20	2 46	10 7		n.a.
S 26	19 49	10 29	2 20	11 45	1 52	25 32	2 15	2 8	1 6	10 41	1 22	12 39	1 54	6 6	0 33	8 43	1 54	32 0	14 16	2 20	2 47	10 9		n.a.
S 27	20 3	6 35	1 12	12 16	1 45	25 24	2 14	2 24	1 6	10 39	1 22	12 41	1 54	6 5	0 33	8 44	1 54	32 0	14 16	2 20	2 48	10 10		n.a.
M28	20 16	2 13	0s 2	12 48	1 37	25 16	2 13	2 40	1 6	10 37	1 23	12 43	1 54	6 4	0 33	8 44	1 54	31 59	14 16	2 20	2 49	10 12		n.a.
T 29	20 30	2n24	1 18	13 20	1 29	25 7	2 11	2 56	1 5	10 35	1 23	12 45	1 54	6 4	0 33	8 45	1 54	31 59	14 15	2 20	2 51	10 14		n.a.
W30	20s42	7n 0	2s30	13s52	1n22	24s57	2s10	3s12	1n 5	10n33	1n23	12s47	1n54	6n 3	0s33	8s46	1n54	31s58	14s15	2n21	2n52	10s15		n.a.

Julian Day Number = 1478470.5, Delta T = 05h24m48s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'36, Lahiri = -13°08'36 Julian Calendar 1 Nov. 666 BCE == Greg. Calendar 25 Oct. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 666 BCE
geocentric

DECEMBER 666 BCE (-665) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 8 36	2♐19'35	8♉42	11♏44	17♑ 5	11♎ 6	6♍32	8♏48	16°R25	27♎ 1	8♒53	24°R 3	22♍50	5♏37	n.a.	T 1
F 2	4 12 33	3°20'50	23°53	13° 4	18°14	11°45	6°38	8°55	16♈23	27° 3	8°54	23♍55	22°46	5°44	n.a.	F 2
S 3	4 16 30	4°22'05	9♊ 3	14°25	19°22	12°25	6°43	9° 1	16°22	27° 4	8°54	23°44	22°43	5°50	n.a.	S 3
S 4	4 20 26	5°23'19	24° 1	15°48	20°31	13° 4	6°48	9° 8	16°21	27° 6	8°55	23°33	22°40	5°57	n.a.	S 4
M 5	4 24 23	6°24'34	8♋39	17°11	21°39	13°44	6°53	9°14	16°19	27° 8	8°56	23°23	22°37	6° 4	n.a.	M 5
T 6	4 28 19	7°25'48	22°50	18°35	22°47	14°23	6°57	9°21	16°18	27°10	8°57	23°14	22°34	6°10	n.a.	T 6
W 7	4 32 16	8°27'02	6♌30	20° 0	23°55	15° 3	7° 2	9°27	16°17	27°12	8°58	23° 7	22°30	6°17	n.a.	W 7
T 8	4 36 12	9°28'16	19°41	21°26	25° 2	15°42	7° 6	9°34	16°15	27°14	8°59	23° 3	22°27	6°24	n.a.	T 8
F 9	4 40 9	10°29'29	2♍25	22°53	26°10	16°22	7°10	9°40	16°14	27°15	9° 0	23° 2	22°24	6°30	n.a.	F 9
S 10	4 44 5	11°30'43	14°48	24°20	27°17	17° 1	7°14	9°46	16°13	27°17	9° 1	23°D 2	22°21	6°37	n.a.	S 10
S 11	4 48 2	12°31'56	26°53	25°48	28°24	17°41	7°18	9°53	16°12	27°19	9° 2	23°R 2	22°18	6°44	n.a.	S 11
M12	4 51 59	13°33'08	8♎48	27°17	29°31	18°21	7°21	9°59	16°11	27°21	9° 3	23° 1	22°15	6°51	n.a.	M12
T 13	4 55 55	14°34'21	20°36	28°46	0♒37	19° 0	7°25	10° 5	16°10	27°22	9° 4	22°58	22°11	6°57	n.a.	T 13
W14	4 59 52	15°35'32	2♏23	0♐16	1°43	19°40	7°28	10°11	16° 9	27°24	9° 5	22°52	22° 8	7° 4	n.a.	W14
T 15	5 3 48	16°36'44	14°13	1°46	2°49	20°19	7°31	10°17	16° 8	27°26	9° 6	22°43	22° 5	7°11	n.a.	T 15
F 16	5 7 45	17°37'55	26° 9	3°17	3°55	20°59	7°34	10°23	16° 7	27°27	9° 7	22°32	22° 2	7°17	n.a.	F 16
S 17	5 11 41	18°39'05	8♐12	4°48	5° 1	21°39	7°36	10°29	16° 6	27°29	9° 8	22°18	21°59	7°24	n.a.	S 17
S 18	5 15 38	19°40'14	20°24	6°20	6° 6	22°18	7°39	10°35	16° 6	27°30	9° 9	22° 3	21°55	7°31	n.a.	S 18
M19	5 19 34	20°41'22	2♑45	7°53	7°11	22°58	7°41	10°41	16° 5	27°32	9°10	21°49	21°52	7°37	n.a.	M19
T 20	5 23 31	21°42'30	15°17	9°26	8°16	23°37	7°43	10°47	16° 4	27°33	9°11	21°35	21°49	7°44	n.a.	T 20
W21	5 27 28	22°43'37	27°59	11° 0	9°20	24°17	7°45	10°53	16° 4	27°35	9°12	21°24	21°46	7°51	n.a.	W21
T 22	5 31 24	23°44'42	10♒51	12°35	10°24	24°57	7°47	10°59	16° 3	27°36	9°13	21°16	21°43	7°57	n.a.	T 22
F 23	5 35 21	24°45'46	23°55	14°10	11°28	25°36	7°49	11° 5	16° 3	27°38	9°15	21°12	21°40	8° 4	n.a.	F 23
S 24	5 39 17	25°46'49	7♓13	15°45	12°31	26°16	7°50	11°10	16° 2	27°39	9°16	21°10	21°36	8°11	n.a.	S 24
S 25	5 43 14	26°47'50	20°45	17°21	13°34	26°55	7°51	11°16	16° 2	27°41	9°17	21° 9	21°33	8°17	n.a.	S 25
M26	5 47 10	27°48'50	4♈33	18°58	14°37	27°35	7°52	11°21	16° 1	27°42	9°18	21° 9	21°30	8°24	n.a.	M26
T 27	5 51 7	28°49'48	18°40	20°36	15°40	28°15	7°53	11°27	16° 1	27°43	9°20	21° 8	21°27	8°31	n.a.	T 27
W28	5 55 3	29°50'45	3♉ 3	22°14	16°41	28°54	7°54	11°32	16° 1	27°45	9°21	21° 5	21°24	8°38	n.a.	W28
T 29	5 59 0	0♑51'41	17°41	23°53	17°43	29°34	7°54	11°38	16° 1	27°46	9°22	20°59	21°21	8°44	n.a.	T 29
F 30	6 2 57	1°52'35	2♊29	25°33	18°44	0♏14	7°54	11°43	16° 0	27°47	9°23	20°50	21°17	8°51	n.a.	F 30
S 31	6 6 53	2♑53'28	17♊18	27♐13	19♒45	0♏53	7°R54	11♏48	16♈ 0	27♎48	9♒25	20♍39	21♍14	8♏58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20s55	11n14	3s33	14s24	1n14	24s47	2s 8	3s28	1n 5	10n31	1n24	12s50	1n54	6n 2	0s33	8s46	1n54	31s58	14s15	2n24	2n53	10s17			n.a.
F 2	21 7	14 46	4 22	14 56	1 6	24 36	2 6	3 43	1 4	10 30	1 24	12 52	1 54	6 2	0 33	8 47	1 55	31 57	14 15	2 27	2 54	10 18			n.a.
S 3	21 19	17 18	4 52	15 28	0 58	24 24	2 4	3 59	1 4	10 28	1 24	12 54	1 54	6 1	0 33	8 48	1 55	31 57	14 14	2 31	2 56	10 20			n.a.
S 4	21 30	18 36	5 2	16 0	0 50	24 12	2 2	4 15	1 4	10 26	1 24	12 56	1 54	6 1	0 32	8 48	1 55	31 56	14 14	2 36	2 57	10 22			n.a.
M 5	21 41	18 38	4 51	16 31	0 42	23 59	2 0	4 31	1 3	10 25	1 25	12 58	1 54	6 0	0 32	8 49	1 55	31 56	14 14	2 40	2 58	10 23			n.a.
T 6	21 51	17 29	4 23	17 2	0 35	23 45	1 58	4 47	1 3	10 23	1 25	13 0	1 55	6 0	0 32	8 50	1 55	31 55	14 14	2 43	3 0	10 25			n.a.
W 7	22 1	15 21	3 40	17 33	0 27	23 31	1 55	5 3	1 3	10 22	1 25	13 2	1 55	5 59	0 32	8 50	1 55	31 55	14 13	2 46	3 1	10 26			n.a.
T 8	22 11	12 29	2 47	18 4	0 20	23 16	1 53	5 18	1 3	10 21	1 26	13 4	1 55	5 59	0 32	8 51	1 55	31 54	14 13	2 48	3 2	10 28			n.a.
F 9	22 20	9 6	1 47	18 33	0 12	23 1	1 50	5 34	1 2	10 19	1 26	13 6	1 55	5 58	0 32	8 51	1 55	31 54	14 13	2 48	3 3	10 30			n.a.
S 10	22 29	5 24	0 44	19 3	0 5	22 45	1 47	5 50	1 2	10 18	1 26	13 8	1 55	5 58	0 32	8 52	1 55	31 53	14 13	2 48	3 5	10 31			n.a.
S 11	22 37	1 34	0n20	19 31	0s 3	22 28	1 44	6 5	1 1	10 17	1 26	13 10	1 55	5 58	0 32	8 53	1 55	31 53	14 12	2 48	3 6	10 33			n.a.
M12	22 45	2s16	1 23	19 59	0 10	22 11	1 41	6 21	1 1	10 16	1 27	13 12	1 55	5 57	0 32	8 53	1 55	31 52	14 12	2 49	3 7	10 34			n.a.
T 13	22 52	5 59	2 21	20 26	0 17	21 53	1 38	6 36	1 1	10 15	1 27	13 14	1 55	5 57	0 32	8 54	1 55	31 52	14 12	2 50	3 8	10 36			n.a.
W14	22 59	9 28	3 12	20 53	0 24	21 35	1 35	6 52	1 0	10 14	1 27	13 16	1 55	5 57	0 32	8 54	1 55	31 51	14 12	2 52	3 10	10 38			n.a.
T 15	23 5	12 35	3 56	21 18	0 31	21 17	1 31	7 7	1 0	10 13	1 28	13 18	1 55	5 56	0 32	8 55	1 55	31 51	14 11	2 56	3 11	10 39			n.a.
F 16	23 11	15 12	4 29	21 43	0 37	20 57	1 27	7 23	1 0	10 12	1 28	13 19	1 55	5 56	0 32	8 55	1 55	31 50	14 11	3 0	3 12	10 41			n.a.
S 17	23 17	17 12	4 51	22 6	0 44	20 38	1 24	7 38	0 59	10 12	1 28	13 21	1 55	5 56	0 32	8 56	1 55	31 50	14 11	3 6	3 13	10 42			n.a.
S 18	23 22	18 27	4 59	22 29	0 50	20 18	1 20	7 53	0 59	10 11	1 29	13 23	1 55	5 55	0 32	8 56	1 55	31 49	14 11	3 12	3 15	10 44			n.a.
M19	23 26	18 50	4 54	22 51	0 56	19 57	1 16	8 9	0 58	10 10	1 29	13 25	1 55	5 55	0 32	8 57	1 55	31 49	14 10	3 18	3 16	10 45			n.a.
T 20	23 31	18 20	4 35	23 11	1 2	19 36	1 11	8 24	0 58	10 10	1 29	13 27	1 55	5 55	0 32	8 57	1 55	31 48	14 10	3 23	3 17	10 47			n.a.
W21	23 34	16 55	4 2	23 31	1 7	19 15	1 7	8 39	0 58	10 9	1 29	13 28	1 55	5 55	0 32	8 58	1 55	31 47	14 10	3 27	3 19	10 49			n.a.
T 22	23 37	14 37	3 16	23 49	1 13	18 53	1 3	8 54	0 57	10 9	1 30	13 30	1 55	5 55	0 32	8 58	1 55	31 47	14 10	3 30	3 20	10 50			n.a.
F 23	23 40	11 33	2 19	24 6	1 18	18 31	0 58	9 9	0 57	10 9	1 30	13 32	1 56	5 54	0 32	8 59	1 55	31 46	14 9	3 32	3 21	10 52			n.a.
S 24	23 42	7 51	1 13	24 22	1 23	18 8	0 53	9 24	0 56	10 9	1 30	13 34	1 56	5 54	0 32	8 59	1 55	31 46	14 9	3 33	3 22	10 53			n.a.
S 25	23 44	3 41	0 2	24 37	1 28	17 45	0 49	9 39	0 56	10 8	1 31	13 35	1 56	5 54	0 32	9 0	1 56	31 45	14 9	3 33	3 24	10 55			n.a.
M26	23 45	0n46	1s10	24 50	1 32	17 22	0 44	9 54	0 55	10 8	1 31	13 37	1 56	5 54	0 32	9 0	1 56	31 45	14 9	3 33	3 25	10 57			n.a.
T 27	23 46	5 15	2 20	25 2	1 36	16 58	0 38	10 9	0 55	10 8	1 31	13 38	1 56	5 54	0 32	9 1	1 56	31 44	14 9	3 34	3 26	10 58			n.a.
W28	23 46	9 32	3 22	25 13	1 40	16 35	0 33	10 23	0 54	10 8	1 32	13 40	1 56	5 54	0 32	9 1	1 56	31 44	14 9	3 35	3 27	11 0			n.a.
T 29	23 46	13 19	4 12	25 21	1 44	16 10	0 28	10 38	0 54	10 9	1 32	13 42	1 56	5 54	0 32	9 2	1 56	31 43	14 8	3 37	3 29	11 1			n.a.
F 30	23 46	16 17	4 46	25 29	1 47	15 46	0 22	10 53	0 53	10 9	1 32	13 43	1 56	5 54	0 32	9 2	1 56	31 43	14 8	3 41	3 30	11 3			n.a.
S 31	23s44	18n10	5s 0	25s35	1s50	15s21	0s16	11s 7	0n53	10n 9	1n33	13s45	1n56	5n54	0s32	9s 2	1n56	31s42	14s 8	3n45	3n31	11s 4			n.a.

Julian Day Number = 1478500.5, Delta T = 05h24m46s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'32, Lahiri = -13°08'32 Julian Calendar 1 Dec. 666 BCE == Greg. Calendar 24 Nov. 666 BCE

The year -665 astronomical counting style corresponds to year 666 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

JANUARY 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 10 50	3♉54'19	2♋ 2	28♐54	20♒45	1♏33	7°R54	11♏54	16°D 0	27♎50	9♒26	20°R27	21♍11	9♏ 4	n.a.	S 1
M 2	6 14 46	4°55'09	16°30	0♉36	21°45	2°12	7♍54	11°59	16♈ 0	27°51	9°27	20♍16	21° 8	9°11	n.a.	M 2
T 3	6 18 43	5°55'57	0♌37	2°18	22°44	2°52	7°53	12° 4	16° 0	27°52	9°29	20° 6	21° 5	9°18	n.a.	T 3
W 4	6 22 39	6°56'45	14°19	4° 2	23°43	3°32	7°52	12° 9	16° 1	27°53	9°30	19°59	21° 1	9°24	n.a.	W 4
T 5	6 26 36	7°57'31	27°34	5°46	24°42	4°11	7°52	12°14	16° 1	27°54	9°32	19°54	20°58	9°31	n.a.	T 5
F 6	6 30 33	8°58'16	10♍23	7°31	25°39	4°51	7°50	12°19	16° 1	27°55	9°33	19°52	20°55	9°38	n.a.	F 6
S 7	6 34 29	9°58'59	22°50	9°17	26°37	5°31	7°49	12°23	16° 1	27°56	9°34	19°D52	20°52	9°44	n.a.	S 7
S 8	6 38 26	10°59'41	4♎59	11° 3	27°34	6°10	7°48	12°28	16° 2	27°57	9°36	19°52	20°49	9°51	n.a.	S 8
M 9	6 42 22	12° 0'22	16°56	12°50	28°30	6°50	7°46	12°33	16° 2	27°58	9°37	19°R52	20°46	9°58	n.a.	M 9
T 10	6 46 19	13° 1'02	28°47	14°38	29°25	7°30	7°44	12°37	16° 2	27°59	9°39	19°51	20°42	10° 4	n.a.	T 10
W11	6 50 15	14° 1'40	10♏36	16°27	0♓20	8° 9	7°42	12°42	16° 3	28° 0	9°40	19°47	20°39	10°11	n.a.	W11
T 12	6 54 12	15° 2'17	22°28	18°17	1°15	8°49	7°40	12°46	16° 4	28° 0	9°42	19°41	20°36	10°18	n.a.	T 12
F 13	6 58 8	16° 2'52	4♐27	20° 7	2° 8	9°29	7°37	12°51	16° 4	28° 1	9°43	19°32	20°33	10°25	n.a.	F 13
S 14	7 2 5	17° 3'26	16°37	21°57	3° 1	10° 8	7°35	12°55	16° 5	28° 2	9°45	19°22	20°30	10°31	n.a.	S 14
S 15	7 6 2	18° 3'59	29° 0	23°49	3°54	10°48	7°32	12°59	16° 5	28° 3	9°46	19°10	20°27	10°38	n.a.	S 15
M16	7 9 58	19° 4'30	11♉36	25°40	4°45	11°27	7°29	13° 3	16° 6	28° 4	9°48	18°59	20°23	10°45	n.a.	M16
T 17	7 13 55	20° 4'59	24°25	27°32	5°36	12° 7	7°26	13° 7	16° 7	28° 4	9°49	18°48	20°20	10°51	n.a.	T 17
W18	7 17 51	21° 5'26	7♒28	29°24	6°26	12°47	7°23	13°11	16° 8	28° 5	9°51	18°39	20°17	10°58	n.a.	W18
T 19	7 21 48	22° 5'52	20°42	1♒16	7°15	13°26	7°19	13°15	16° 9	28° 5	9°52	18°33	20°14	11° 5	n.a.	T 19
F 20	7 25 44	23° 6'15	4♓ 7	3° 8	8° 3	14° 6	7°15	13°19	16°10	28° 6	9°54	18°30	20°11	11°11	n.a.	F 20
S 21	7 29 41	24° 6'36	17°42	4°59	8°51	14°46	7°12	13°23	16°11	28° 7	9°55	18°D29	20° 7	11°18	n.a.	S 21
S 22	7 33 37	25° 6'55	1♈26	6°50	9°37	15°25	7° 7	13°26	16°12	28° 7	9°57	18°30	20° 4	11°25	n.a.	S 22
M23	7 37 34	26° 7'12	15°20	8°39	10°23	16° 5	7° 3	13°30	16°13	28° 8	9°58	18°31	20° 1	11°31	n.a.	M23
T 24	7 41 31	27° 7'27	29°22	10°27	11° 7	16°44	6°59	13°33	16°14	28° 8	10° 0	18°R31	19°58	11°38	n.a.	T 24
W25	7 45 27	28° 7'40	13♉33	12°13	11°50	17°24	6°54	13°37	16°15	28° 8	10° 1	18°30	19°55	11°45	n.a.	W25
T 26	7 49 24	29° 7'50	27°51	13°57	12°33	18° 3	6°50	13°40	16°17	28° 9	10° 3	18°27	19°52	11°52	n.a.	T 26
F 27	7 53 20	0♒ 7'58	12♊13	15°38	13°14	18°43	6°45	13°43	16°18	28° 9	10° 4	18°21	19°48	11°58	n.a.	F 27
S 28	7 57 17	1° 8'04	26°34	17°15	13°54	19°22	6°40	13°46	16°19	28° 9	10° 6	18°14	19°45	12° 5	n.a.	S 28
S 29	8 1 13	2° 8'08	10♋49	18°49	14°33	20° 2	6°35	13°50	16°21	28°10	10° 8	18° 7	19°42	12°12	n.a.	S 29
M30	8 5 10	3° 8'10	24°54	20°18	15°10	20°41	6°29	13°52	16°22	28°10	10° 9	17°59	19°39	12°18	n.a.	M30
T 31	8 9 6	4♒ 8'09	8♌42	21♒43	15♓46	21♏21	6♍24	13♏55	16♈24	28♎10	10♒11	17♍53	19♍36	12♏25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23 s43	18n51	4 s55	25 s39	1 s53	14 s57	0 s11	11 s22	0n52	10n 9	1n33	13 s46	1n56	5n54	0 s32	9 s 3	1n56	31 s41	14 s 8	3n50	3n33	11 s 6		n.a.
M 2	23 41	18 16	4 30	25 41	1 55	14 31	0 5	11 36	0 52	10 10	1 33	13 48	1 56	5 54	0 32	9 3	1 56	31 41	14 8	3 54	3 34	11 8		n.a.
T 3	23 38	16 34	3 50	25 42	1 57	14 6	0n 1	11 50	0 51	10 10	1 33	13 49	1 57	5 54	0 32	9 3	1 56	31 40	14 7	3 58	3 35	11 9		n.a.
W 4	23 35	13 57	2 57	25 41	1 59	13 41	0 8	12 4	0 51	10 11	1 34	13 51	1 57	5 54	0 31	9 4	1 56	31 40	14 7	4 1	3 36	11 11		n.a.
T 5	23 32	10 41	1 56	25 38	2 0	13 15	0 14	12 18	0 50	10 11	1 34	13 52	1 57	5 54	0 31	9 4	1 56	31 39	14 7	4 3	3 38	11 12		n.a.
F 6	23 28	7 0	0 50	25 34	2 1	12 49	0 21	12 32	0 50	10 12	1 34	13 53	1 57	5 54	0 31	9 4	1 56	31 39	14 7	4 4	3 39	11 14		n.a.
S 7	23 23	3 8	0n16	25 27	2 1	12 23	0 27	12 46	0 49	10 13	1 35	13 55	1 57	5 54	0 31	9 5	1 56	31 38	14 7	4 4	3 40	11 15		n.a.
S 8	23 19	0 s48	1 20	25 19	2 1	11 57	0 34	13 0	0 48	10 14	1 35	13 56	1 57	5 55	0 31	9 5	1 56	31 38	14 7	4 4	3 41	11 17		n.a.
M 9	23 13	4 37	2 19	25 8	2 0	11 31	0 41	13 14	0 48	10 15	1 35	13 58	1 57	5 55	0 31	9 5	1 56	31 37	14 7	4 4	3 43	11 18		n.a.
T 10	23 8	8 13	3 12	24 56	1 59	11 5	0 48	13 28	0 47	10 16	1 36	13 59	1 57	5 55	0 31	9 6	1 56	31 37	14 7	4 4	3 44	11 20		n.a.
W11	23 1	11 28	3 56	24 41	1 57	10 39	0 55	13 41	0 47	10 17	1 36	14 0	1 57	5 55	0 31	9 6	1 56	31 36	14 6	4 6	3 45	11 22		n.a.
T 12	22 55	14 17	4 30	24 24	1 55	10 13	1 3	13 55	0 46	10 18	1 36	14 1	1 58	5 55	0 31	9 6	1 57	31 35	14 6	4 8	3 46	11 23		n.a.
F 13	22 48	16 32	4 53	24 6	1 53	9 46	1 10	14 8	0 45	10 19	1 36	14 3	1 58	5 56	0 31	9 6	1 57	31 35	14 6	4 12	3 48	11 25		n.a.
S 14	22 40	18 4	5 3	23 45	1 49	9 20	1 18	14 21	0 45	10 20	1 37	14 4	1 58	5 56	0 31	9 6	1 57	31 34	14 6	4 16	3 49	11 26		n.a.
S 15	22 32	18 47	4 59	23 22	1 45	8 54	1 25	14 34	0 44	10 22	1 37	14 5	1 58	5 56	0 31	9 7	1 57	31 34	14 6	4 21	3 50	11 28		n.a.
M16	22 24	18 36	4 40	22 57	1 41	8 27	1 33	14 47	0 43	10 23	1 37	14 6	1 58	5 57	0 31	9 7	1 57	31 33	14 6	4 25	3 52	11 29		n.a.
T 17	22 15	17 28	4 7	22 30	1 36	8 1	1 41	15 0	0 43	10 24	1 38	14 7	1 58	5 57	0 31	9 7	1 57	31 33	14 6	4 29	3 53	11 31		n.a.
W18	22 6	15 25	3 21	22 1	1 30	7 35	1 49	15 13	0 42	10 26	1 38	14 8	1 58	5 57	0 31	9 7	1 57	31 32	14 6	4 33	3 54	11 32		n.a.
T 19	21 56	12 32	2 23	21 31	1 23	7 9	1 58	15 26	0 41	10 27	1 38	14 9	1 58	5 58	0 31	9 7	1 57	31 32	14 6	4 35	3 55	11 34		n.a.
F 20	21 46	8 57	1 16	20 58	1 16	6 43	2 6	15 39	0 41	10 29	1 38	14 10	1 59	5 58	0 31	9 8	1 57	31 31	14 6	4 37	3 57	11 35		n.a.
S 21	21 35	4 52	0 4	20 23	1 8	6 18	2 14	15 51	0 40	10 31	1 39	14 11	1 59	5 59	0 31	9 8	1 57	31 31	14 5	4 37	3 58	11 37		n.a.
S 22	21 24	0 29	1 s 9	19 47	1 0	5 52	2 23	16 4	0 39	10 33	1 39	14 12	1 59	5 59	0 31	9 8	1 57	31 30	14 5	4 37	3 59	11 39		n.a.
M23	21 13	3n59	2 19	19 9	0 50	5 27	2 32	16 16	0 38	10 34	1 39	14 13	1 59	5 59	0 31	9 8	1 57	31 30	14 5	4 36	4 0	11 40		n.a.
T 24	21 2	8 16	3 22	18 31	0 40	5 2	2 41	16 28	0 38	10 36	1 40	14 14	1 59	6 0	0 31	9 8	1 57	31 29	14 5	4 36	4 2	11 42		n.a.
W25	20 49	12 7	4 13	17 51	0 30	4 37	2 50	16 40	0 37	10 38	1 40	14 15	1 59	6 0	0 31	9 8	1 57	31 29	14 5	4 37	4 3	11 43		n.a.
T 26	20 37	15 17	4 48	17 10	0 18	4 12	2 59	16 52	0 36	10 40	1 40	14 16	1 59	6 1	0 31	9 8	1 57	31 28	14 5	4 38	4 4	11 45		n.a.
F 27	20 24	17 31	5 6	16 28	0 6	3 48	3 8	17 4	0 35	10 42	1 40	14 17	1 59	6 1	0 31	9 8	1 57	31 28	14 5	4 40	4 5	11 46		n.a.
S 28	20 11	18 39	5 4	15 46	0n 7	3 24	3 17	17 16	0 35	10 44	1 41	14 18	2 0	6 2	0 31	9 8	1 58	31 27	14 5	4 43	4 7	11 48		n.a.
S 29	19 58	18 36	4 44	15 5	0 20	3 0	3 26	17 27	0 34	10 47	1 41	14 18	2 0	6 3	0 31	9 8	1 58	31 27	14 5	4 46	4 8	11 49		n.a.
M30	19 44	17 24	4 7	14 23	0 33	2 37	3 36	17 39	0 33	10 49	1 41	14 19	2 0	6 3	0 31	9 8	1 58	31 26	14 5	4 49	4 9	11 51		n.a.
T 31	19 s29	15n12	3 s15	13 s43	0n47	2 s14	3n45	17 s50	0n32	10n51	1n41	14 s20	2n 0	6n 4	0 s31	9 s 8	1n58	31 s26	14 s 5	4n51	4n10	11 s52		n.a.

Julian Day Number = 1478531.5, Delta T = 05h24m45s
Ecliptic obliquity = 23°46'21, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'28, Lahiri = -13°08'27 Julian Calendar 1 Jan. 665 BCE == Greg. Calendar 25 Dec. 666 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

FEBRUARY 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 13 3	5♒ 8'07	22♌11	23♒ 1	16♓21	22♏ 0	6°R18	13♏58	16♈25	28♎10	10♒12	17°R48	19♍33	12♏32	n.a.	W 1
T 2	8 17 0	6° 8'02	5♍19	24°14	16°54	22°40	6♍13	14° 1	16°27	28°10	10°14	17♍45	19°29	12°38	n.a.	T 2
F 3	8 20 56	7° 7'56	18° 6	25°20	17°26	23°19	6° 7	14° 3	16°29	28°11	10°16	17°D45	19°26	12°45	n.a.	F 3
S 4	8 24 53	8° 7'48	0♎33	26°18	17°57	23°59	6° 1	14° 6	16°30	28°11	10°17	17°45	19°23	12°52	n.a.	S 4
S 5	8 28 49	9° 7'37	12°45	27° 9	18°25	24°38	5°55	14° 8	16°32	28°11	10°19	17°47	19°20	12°59	n.a.	S 5
M 6	8 32 46	10° 7'25	24°45	27°53	18°52	25°18	5°49	14°11	16°34	28°R11	10°20	17°48	19°17	13° 5	n.a.	M 6
T 7	8 36 42	11° 7'12	6♏38	28°28	19°18	25°57	5°42	14°13	16°36	28°11	10°22	17°R49	19°13	13°12	n.a.	T 7
W 8	8 40 39	12° 6'56	18°29	28°54	19°41	26°37	5°36	14°15	16°37	28°11	10°24	17°49	19°10	13°19	n.a.	W 8
T 9	8 44 35	13° 6'38	0♐23	29°12	20° 3	27°16	5°29	14°17	16°39	28°11	10°25	17°48	19° 7	13°25	n.a.	T 9
F 10	8 48 32	14° 6'19	12°25	29°22	20°23	27°55	5°23	14°19	16°41	28°10	10°27	17°45	19° 4	13°32	n.a.	F 10
S 11	8 52 28	15° 5'58	24°39	29°R22	20°41	28°35	5°16	14°21	16°43	28°10	10°28	17°40	19° 1	13°39	n.a.	S 11
S 12	8 56 25	16° 5'35	7♑ 7	29°15	20°57	29°14	5° 9	14°23	16°45	28°10	10°30	17°35	18°58	13°45	n.a.	S 12
M13	9 0 22	17° 5'10	19°53	29° 0	21°10	29°53	5° 2	14°24	16°47	28°10	10°31	17°30	18°54	13°52	n.a.	M13
T 14	9 4 18	18° 4'43	2♒57	28°37	21°22	0♐33	4°55	14°26	16°50	28°10	10°33	17°25	18°51	13°59	n.a.	T 14
W15	9 8 15	19° 4'13	16°19	28° 7	21°32	1°12	4°48	14°27	16°52	28° 9	10°35	17°21	18°48	14° 6	n.a.	W15
T 16	9 12 11	20° 3'42	29°57	27°31	21°39	1°51	4°41	14°29	16°54	28° 9	10°36	17°19	18°45	14°12	n.a.	T 16
F 17	9 16 8	21° 3'08	13♓48	26°50	21°44	2°30	4°33	14°30	16°56	28° 9	10°38	17°D18	18°42	14°19	n.a.	F 17
S 18	9 20 4	22° 2'32	27°49	26° 4	21°46	3°10	4°26	14°31	16°58	28° 8	10°39	17°18	18°39	14°26	n.a.	S 18
S 19	9 24 1	23° 1'54	11♈57	25°16	21°R46	3°49	4°19	14°32	17° 1	28° 8	10°41	17°19	18°35	14°32	n.a.	S 19
M20	9 27 57	24° 1'13	26° 9	24°24	21°44	4°28	4°11	14°33	17° 3	28° 7	10°42	17°20	18°32	14°39	n.a.	M20
T 21	9 31 54	25° 0'30	10♉23	23°32	21°39	5° 7	4° 4	14°34	17° 6	28° 7	10°44	17°22	18°29	14°46	n.a.	T 21
W22	9 35 50	25°59'44	24°35	22°40	21°32	5°46	3°56	14°35	17° 8	28° 6	10°46	17°R22	18°26	14°52	n.a.	W22
T 23	9 39 47	26°58'56	8♊45	21°48	21°22	6°25	3°48	14°36	17°10	28° 6	10°47	17°22	18°23	14°59	n.a.	T 23
F 24	9 43 44	27°58'05	22°49	20°59	21°10	7° 4	3°41	14°36	17°13	28° 5	10°49	17°20	18°19	15° 6	n.a.	F 24
S 25	9 47 40	28°57'13	6♋45	20°12	20°55	7°43	3°33	14°37	17°15	28° 5	10°50	17°18	18°16	15°13	n.a.	S 25
S 26	9 51 37	29°56'17	20°33	19°29	20°38	8°22	3°25	14°37	17°18	28° 4	10°52	17°16	18°13	15°19	n.a.	S 26
M27	9 55 33	0♓55'19	4♌ 8	18°49	20°18	9° 1	3°18	14°37	17°21	28° 3	10°53	17°14	18°10	15°26	n.a.	M27
T 28	9 59 30	1°54'19	17°30	18°15	19°56	9°40	3°10	14°38	17°23	28° 3	10°55	17°12	18° 7	15°33	n.a.	T 28
W29	10 3 26	2♓53'17	0♍37	17♒46	19♓31	10♐19	3♍ 2	14°R38	17♈26	28♎ 2	10♒56	17♍10	18♍ 4	15♏39	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s15	12n12	2s14	13s 4	1n 2	1s51	3n55	18s 1	0n31	10n53	1n41	14s21	2n 0	6n 4	0s31	9s 8	1n58	31s25	14s 5	4n53	4n12	11s54		n.a.
T 2	19 0	8 39	1 7	12 26	1 16	1 29	4 5	18 12	0 30	10 56	1 42	14 21	2 0	6 5	0 31	9 8	1 58	31 25	14 5	4 54	4 13	11 55		n.a.
F 3	18 45	4 48	0n 2	11 50	1 31	1 8	4 15	18 23	0 30	10 58	1 42	14 22	2 0	6 6	0 30	9 8	1 58	31 24	14 5	4 55	4 14	11 57		n.a.
S 4	18 29	0 50	1 9	11 16	1 46	0 47	4 25	18 34	0 29	11 0	1 42	14 22	2 1	6 6	0 30	9 8	1 58	31 24	14 5	4 54	4 16	11 58		n.a.
S 5	18 13	3s 5	2 12	10 45	2 0	0 26	4 34	18 45	0 28	11 3	1 42	14 23	2 1	6 7	0 30	9 8	1 58	31 23	14 5	4 54	4 17	12 0		n.a.
M 6	17 57	6 48	3 8	10 17	2 14	0 7	4 44	18 55	0 27	11 5	1 42	14 24	2 1	6 8	0 30	9 8	1 58	31 23	14 5	4 53	4 18	12 1		n.a.
T 7	17 41	10 13	3 55	9 52	2 28	0n13	4 54	19 6	0 26	11 8	1 43	14 24	2 1	6 9	0 30	9 8	1 58	31 23	14 5	4 53	4 19	12 3		n.a.
W 8	17 24	13 13	4 32	9 30	2 41	0 31	5 4	19 16	0 25	11 11	1 43	14 25	2 1	6 9	0 30	9 8	1 58	31 22	14 5	4 53	4 21	12 4		n.a.
T 9	17 7	15 40	4 58	9 12	2 54	0 49	5 14	19 26	0 24	11 13	1 43	14 25	2 1	6 10	0 30	9 8	1 58	31 22	14 5	4 53	4 22	12 6		n.a.
F 10	16 50	17 28	5 11	8 58	3 5	1 6	5 24	19 36	0 23	11 16	1 43	14 25	2 2	6 11	0 30	9 8	1 58	31 21	14 5	4 55	4 23	12 7		n.a.
S 11	16 32	18 30	5 10	8 48	3 15	1 22	5 34	19 46	0 22	11 19	1 43	14 26	2 2	6 12	0 30	9 8	1 58	31 21	14 5	4 56	4 24	12 9		n.a.
S 12	16 14	18 41	4 54	8 42	3 24	1 38	5 44	19 55	0 21	11 21	1 44	14 26	2 2	6 13	0 30	9 8	1 59	31 20	14 5	4 58	4 26	12 10		n.a.
M13	15 56	17 56	4 24	8 41	3 32	1 52	5 54	20 5	0 20	11 24	1 44	14 27	2 2	6 13	0 30	9 8	1 59	31 20	14 5	5 0	4 27	12 12		n.a.
T 14	15 37	16 13	3 39	8 43	3 38	2 6	6 4	20 14	0 19	11 27	1 44	14 27	2 2	6 14	0 30	9 7	1 59	31 20	14 6	5 2	4 28	12 13		n.a.
W15	15 19	13 36	2 42	8 49	3 43	2 18	6 14	20 24	0 18	11 30	1 44	14 27	2 2	6 15	0 30	9 7	1 59	31 19	14 6	5 4	4 29	12 15		n.a.
T 16	15 0	10 11	1 34	8 59	3 45	2 30	6 23	20 33	0 17	11 32	1 44	14 27	2 2	6 16	0 30	9 7	1 59	31 19	14 6	5 5	4 31	12 16		n.a.
F 17	14 41	6 10	0 19	9 12	3 46	2 41	6 33	20 42	0 16	11 35	1 44	14 28	2 3	6 17	0 30	9 7	1 59	31 18	14 6	5 5	4 32	12 18		n.a.
S 18	14 21	1 46	0s58	9 28	3 45	2 50	6 42	20 51	0 15	11 38	1 44	14 28	2 3	6 18	0 30	9 7	1 59	31 18	14 6	5 5	4 33	12 19		n.a.
S 19	14 2	2n46	2 12	9 48	3 42	2 58	6 51	20 59	0 13	11 41	1 44	14 28	2 3	6 19	0 30	9 6	1 59	31 18	14 6	5 5	4 34	12 21		n.a.
M20	13 42	7 10	3 18	10 9	3 37	3 5	7 0	21 8	0 12	11 44	1 45	14 28	2 3	6 20	0 30	9 6	1 59	31 17	14 6	5 4	4 36	12 22		n.a.
T 21	13 22	11 9	4 12	10 33	3 31	3 11	7 8	21 16	0 11	11 47	1 45	14 28	2 3	6 21	0 30	9 6	1 59	31 17	14 6	5 4	4 37	12 24		n.a.
W22	13 2	14 29	4 51	10 58	3 23	3 16	7 16	21 24	0 10	11 50	1 45	14 28	2 3	6 22	0 30	9 6	1 59	31 16	14 6	5 3	4 38	12 25		n.a.
T 23	12 41	16 56	5 12	11 24	3 13	3 19	7 24	21 32	0 9	11 52	1 45	14 28	2 4	6 23	0 30	9 5	1 59	31 16	14 6	5 4	4 40	12 27		n.a.
F 24	12 21	18 21	5 14	11 50	3 2	3 21	7 31	21 40	0 8	11 55	1 45	14 29	2 4	6 24	0 30	9 5	1 59	31 16	14 6	5 4	4 41	12 28		n.a.
S 25	12 0	18 39	4 57	12 16	2 50	3 21	7 38	21 48	0 6	11 58	1 45	14 29	2 4	6 25	0 30	9 5	1 59	31 15	14 7	5 5	4 42	12 30		n.a.
S 26	11 39	17 50	4 24	12 43	2 37	3 20	7 44	21 55	0 5	12 1	1 45	14 28	2 4	6 26	0 30	9 5	1 59	31 15	14 7	5 6	4 43	12 31		n.a.
M27	11 18	16 0	3 36	13 8	2 23	3 17	7 50	22 3	0 4	12 4	1 45	14 28	2 4	6 27	0 30	9 4	1 59	31 15	14 7	5 7	4 45	12 33		n.a.
T 28	10 57	13 19	2 37	13 33	2 8	3 14	7 55	22 10	0 3	12 7	1 45	14 28	2 4	6 28	0 30	9 4	1 59	31 14	14 7	5 8	4 46	12 34		n.a.
W29	10s35	10n 0	1s30	13s56	1n53	3n 8	8n 0	22s17	0n 1	12n10	1n45	14s28	2n 4	6n29	0s30	9s 4	1n59	31s14	14s 7	5n 8	4n47	12s36		n.a.

Julian Day Number = 1478562.5, Delta T = 05h24m43s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'24, Lahiri = -13°08'23 Julian Calendar 1 Feb. 665 BCE == Greg. Calendar 25 Jan. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

MARCH 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 7 23	3♓52'12	13♍29	17°R22	19°R 5	10♐57	2°R55	14°R38	17♈29	28°R 1	10♒58	17°D10	18♍ 0	15♏46	n.a.	T 1
F 2	10 11 19	4°51'06	26° 5	17♒ 3	18♓37	11°36	2♍47	14♏37	17°31	28♎ 0	10°59	17♍10	17°57	15°53	n.a.	F 2
S 3	10 15 16	5°49'57	8♎27	16°50	18° 6	12°15	2°39	14°37	17°34	27°59	11° 1	17°11	17°54	15°59	n.a.	S 3
S 4	10 19 13	6°48'46	20°36	16°42	17°34	12°54	2°31	14°37	17°37	27°59	11° 2	17°12	17°51	16° 6	n.a.	S 4
M 5	10 23 9	7°47'34	2♏36	16°D40	17° 0	13°32	2°24	14°37	17°40	27°58	11° 4	17°13	17°48	16°13	n.a.	M 5
T 6	10 27 6	8°46'19	14°30	16°44	16°25	14°11	2°16	14°36	17°43	27°57	11° 5	17°13	17°44	16°20	n.a.	T 6
W 7	10 31 2	9°45'03	26°22	16°52	15°49	14°50	2° 9	14°36	17°46	27°56	11° 6	17°14	17°41	16°26	n.a.	W 7
T 8	10 34 59	10°43'45	8♐16	17° 6	15°12	15°28	2° 1	14°35	17°48	27°55	11° 8	17°R14	17°38	16°33	n.a.	T 8
F 9	10 38 55	11°42'25	20°18	17°24	14°35	16° 7	1°53	14°34	17°51	27°54	11° 9	17°14	17°35	16°40	n.a.	F 9
S 10	10 42 52	12°41'03	2♑31	17°48	13°57	16°45	1°46	14°33	17°54	27°53	11°11	17°14	17°32	16°46	n.a.	S 10
S 11	10 46 48	13°39'40	15° 1	18°15	13°19	17°24	1°38	14°32	17°57	27°52	11°12	17°14	17°29	16°53	n.a.	S 11
M12	10 50 45	14°38'14	27°50	18°47	12°41	18° 2	1°31	14°31	18° 0	27°51	11°13	17°13	17°25	17° 0	n.a.	M12
T 13	10 54 41	15°36'47	11♒ 1	19°23	12° 3	18°40	1°24	14°30	18° 3	27°50	11°15	17°13	17°22	17° 6	n.a.	T 13
W14	10 58 38	16°35'18	24°34	20° 3	11°26	19°19	1°16	14°29	18° 6	27°49	11°16	17°13	17°19	17°13	n.a.	W14
T 15	11 2 35	17°33'47	8♓29	20°47	10°50	19°57	1° 9	14°27	18°10	27°48	11°18	17°D13	17°16	17°20	n.a.	T 15
F 16	11 6 31	18°32'14	22°42	21°34	10°15	20°35	1° 2	14°26	18°13	27°47	11°19	17°R13	17°13	17°27	n.a.	F 16
S 17	11 10 28	19°30'39	7♈10	22°25	9°41	21°13	0°55	14°24	18°16	27°45	11°20	17°13	17°10	17°33	n.a.	S 17
S 18	11 14 24	20°29'02	21°46	23°18	9° 8	21°51	0°48	14°23	18°19	27°44	11°21	17°13	17° 6	17°40	n.a.	S 18
M19	11 18 21	21°27'23	6♉25	24°15	8°37	22°29	0°41	14°21	18°22	27°43	11°23	17°12	17° 3	17°47	n.a.	M19
T 20	11 22 17	22°25'41	21° 0	25°15	8° 8	23° 7	0°35	14°19	18°25	27°42	11°24	17°12	17° 0	17°53	n.a.	T 20
W21	11 26 14	23°23'58	5♊26	26°18	7°41	23°45	0°28	14°17	18°29	27°41	11°25	17°11	16°57	18° 0	n.a.	W21
T 22	11 30 10	24°22'12	19°39	27°23	7°16	24°22	0°21	14°15	18°32	27°39	11°26	17°D11	16°54	18° 7	n.a.	T 22
F 23	11 34 7	25°20'25	3♋38	28°31	6°53	25° 0	0°15	14°13	18°35	27°38	11°28	17°11	16°50	18°13	n.a.	F 23
S 24	11 38 4	26°18'35	17°20	29°41	6°32	25°37	0° 9	14°11	18°38	27°37	11°29	17°11	16°47	18°20	n.a.	S 24
S 25	11 42 0	27°16'43	0♌48	0♓54	6°14	26°15	0° 2	14° 9	18°42	27°35	11°30	17°12	16°44	18°27	n.a.	S 25
M26	11 45 57	28°14'48	14° 0	2° 9	5°58	26°52	29♌56	14° 7	18°45	27°34	11°31	17°13	16°41	18°34	n.a.	M26
T 27	11 49 53	29°12'52	26°57	3°27	5°44	27°30	29°50	14° 4	18°48	27°33	11°32	17°14	16°38	18°40	n.a.	T 27
W28	11 53 50	0♈10'54	9♍42	4°47	5°33	28° 7	29°44	14° 2	18°52	27°31	11°34	17°15	16°35	18°47	n.a.	W28
T 29	11 57 46	1° 8'54	22°14	6° 8	5°25	28°44	29°39	13°59	18°55	27°30	11°35	17°R15	16°31	18°54	n.a.	T 29
F 30	12 1 43	2° 6'52	4♎36	7°33	5°18	29°21	29°33	13°57	18°58	27°28	11°36	17°14	16°28	19° 0	n.a.	F 30
S 31	12 5 39	3♈ 4'48	16♎47	8♓59	5♓15	29♐58	29♌28	13♏54	19♈ 2	27♎27	11♒37	17♍13	16♍25	19♏ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	10s14	6n16	0s20	14s18	1n38	3n 1	8n 3	22s24	0n 0	12n13	1n45	14s28	2n 5	6n30	0s30	9s 3	2n 0	31s14	14s 7	5n 8	4n48	12s37		n.a.	
F 2	9 52	2 20	0n49	14 38	1 22	2 53	8 6	22 31	0s 1	12 15	1 45	14 28	2 5	6 31	0 30	9 3	2 0	31 14	14 7	5 8	4 50	12 39		n.a.	
S 3	9 30	1s38	1 55	14 57	1 7	2 43	8 9	22 37	0 3	12 18	1 45	14 28	2 5	6 32	0 30	9 3	2 0	31 13	14 8	5 8	4 51	12 40		n.a.	
S 4	9 8	5 27	2 55	15 13	0 52	2 32	8 10	22 44	0 4	12 21	1 45	14 27	2 5	6 33	0 30	9 2	2 0	31 13	14 8	5 8	4 52	12 42		n.a.	
M 5	8 46	9 0	3 46	15 28	0 37	2 19	8 11	22 50	0 5	12 24	1 45	14 27	2 5	6 34	0 30	9 2	2 0	31 13	14 8	5 7	4 53	12 43		n.a.	
T 6	8 24	12 10	4 27	15 41	0 22	2 5	8 10	22 56	0 7	12 27	1 45	14 27	2 5	6 35	0 30	9 2	2 0	31 12	14 8	5 7	4 55	12 45		n.a.	
W 7	8 1	14 48	4 56	15 52	0 8	1 50	8 9	23 2	0 8	12 29	1 45	14 27	2 5	6 36	0 30	9 1	2 0	31 12	14 8	5 7	4 56	12 46		n.a.	
T 8	7 39	16 50	5 13	16 1	0s 6	1 34	8 7	23 7	0 9	12 32	1 45	14 26	2 6	6 38	0 30	9 1	2 0	31 12	14 9	5 7	4 57	12 48		n.a.	
F 9	7 16	18 9	5 17	16 8	0 19	1 17	8 4	23 13	0 11	12 35	1 45	14 26	2 6	6 39	0 30	9 1	2 0	31 12	14 9	5 7	4 58	12 49		n.a.	
S 10	6 53	18 39	5 6	16 13	0 31	0 59	8 0	23 18	0 12	12 38	1 45	14 26	2 6	6 40	0 30	9 0	2 0	31 11	14 9	5 7	5 0	12 50		n.a.	
S 11	6 31	18 16	4 41	16 16	0 44	0 40	7 56	23 24	0 14	12 40	1 45	14 25	2 6	6 41	0 29	9 0	2 0	31 11	14 9	5 7	5 1	12 52		n.a.	
M12	6 8	16 57	4 1	16 17	0 55	0 20	7 50	23 29	0 15	12 43	1 45	14 25	2 6	6 42	0 29	8 59	2 0	31 11	14 9	5 7	5 2	12 53		n.a.	
T 13	5 45	14 42	3 8	16 16	1 6	0s 0	7 43	23 34	0 17	12 46	1 45	14 24	2 6	6 44	0 29	8 59	2 0	31 11	14 10	5 7	5 3	12 55		n.a.	
W14	5 22	11 36	2 2	16 13	1 17	0 21	7 36	23 39	0 18	12 48	1 45	14 24	2 6	6 45	0 29	8 58	2 0	31 11	14 10	5 7	5 5	12 56		n.a.	
T 15	4 59	7 46	0 48	16 8	1 26	0 42	7 28	23 43	0 20	12 51	1 45	14 23	2 7	6 46	0 29	8 58	2 0	31 10	14 10	5 7	5 6	12 58		n.a.	
F 16	4 36	3 24	0s30	16 1	1 36	1 4	7 19	23 48	0 22	12 53	1 45	14 23	2 7	6 47	0 29	8 58	2 0	31 10	14 10	5 7	5 7	12 59		n.a.	
S 17	4 13	1n14	1 49	15 52	1 44	1 25	7 10	23 52	0 23	12 56	1 45	14 22	2 7	6 48	0 29	8 57	2 0	31 10	14 10	5 7	5 8	13 1		n.a.	
S 18	3 49	5 49	3 0	15 42	1 52	1 47	6 59	23 56	0 25	12 58	1 45	14 21	2 7	6 50	0 29	8 57	2 0	31 10	14 11	5 7	5 10	13 2		n.a.	
M19	3 26	10 4	4 0	15 30	1 59	2 8	6 49	24 0	0 26	13 0	1 44	14 21	2 7	6 51	0 29	8 56	2 0	31 10	14 11	5 7	5 11	13 4		n.a.	
T 20	3 3	13 41	4 45	15 15	2 6	2 30	6 37	24 4	0 28	13 3	1 44	14 20	2 7	6 52	0 29	8 56	2 0	31 10	14 11	5 8	5 12	13 5		n.a.	
W21	2 39	16 25	5 10	15 0	2 12	2 51	6 26	24 7	0 30	13 5	1 44	14 19	2 7	6 53	0 29	8 55	2 0	31 9	14 11	5 8	5 13	13 6		n.a.	
T 22	2 16	18 6	5 17	14 42	2 18	3 11	6 14	24 11	0 32	13 7	1 44	14 19	2 7	6 55	0 29	8 55	2 1	31 9	14 12	5 8	5 15	13 8		n.a.	
F 23	1 53	18 39	5 4	14 22	2 22	3 31	6 1	24 14	0 33	13 9	1 44	14 18	2 8	6 56	0 29	8 54	2 1	31 9	14 12	5 8	5 16	13 9		n.a.	
S 24	1 29	18 6	4 34	14 1	2 27	3 51	5 49	24 17	0 35	13 12	1 44	14 17	2 8	6 57	0 29	8 54	2 1	31 9	14 12	5 8	5 17	13 11		n.a.	
S 25	1 6	16 31	3 50	13 38	2 30	4 9	5 36	24 20	0 37	13 14	1 44	14 17	2 8	6 58	0 29	8 53	2 1	31 9	14 12	5 7	5 18	13 12		n.a.	
M26	0 42	14 5	2 54	13 14	2 33	4 27	5 23	24 23	0 39	13 16	1 44	14 16	2 8	7 0	0 29	8 53	2 1	31 9	14 13	5 7	5 20	13 14		n.a.	
T 27	0 19	10 59	1 50	12 48	2 36	4 45	5 9	24 25	0 40	13 18	1 43	14 15	2 8	7 1	0 29	8 52	2 1	31 9	14 13	5 7	5 21	13 15		n.a.	
W28	0n 4	7 24	0 42	12 20	2 37	5 1	4 56	24 28	0 42	13 20	1 43	14 14	2 8	7 2	0 29	8 52	2 1	31 9	14 13	5 6	5 22	13 16		n.a.	
T 29	0 28	3 33	0n28	11 50	2 39	5 17	4 43	24 30	0 44	13 22	1 43	14 13	2 8	7 4	0 29	8 51	2 1	31 9	14 13	5 6	5 23	13 18		n.a.	
F 30	0 51	0s24	1 34	11 19	2 39	5 31	4 30	24 32	0 46	13 24	1 43	14 12	2 8	7 5	0 29	8 51	2 1	31 8	14 14	5 7	5 25	13 19		n.a.	
S 31	1n14	4s17	2n36	10s46	2s39	5s45	4n16	24s34	0s48	13n25	1n43	14s11	2n 8	7n 6	0s29	8s50	2n 1	31s 8	14s14	5n 7	5n26	13s21		n.a.	

Julian Day Number = 1478591.5, Delta T = 05h24m42s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'20, Lahiri = -13°08'19 Julian Calendar 1 March 665 BCE == Greg. Calendar 23 Feb. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

APRIL 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 9 36	4♈ 2'43	28♎50	10♓27	5°D13	0♉35	29°R22	13°R51	19♈ 5	27°R26	11♒38	17°R10	16♍22	19♏14	n.a.	S 1
M 2	12 13 32	5° 0'36	10♏47	11°57	5♓14	1°12	29♌17	13♏48	19° 8	27♎24	11°39	17♍ 8	16°19	19°21	n.a.	M 2
T 3	12 17 29	5°58'27	22°40	13°30	5°17	1°49	29°12	13°45	19°12	27°23	11°40	17° 5	16°15	19°27	n.a.	T 3
W 4	12 21 26	6°56'18	4♐32	15° 4	5°23	2°25	29° 7	13°42	19°15	27°21	11°41	17° 2	16°12	19°34	n.a.	W 4
T 5	12 25 22	7°54'07	16°26	16°40	5°31	3° 2	29° 3	13°39	19°19	27°20	11°42	17° 0	16° 9	19°41	n.a.	T 5
F 6	12 29 19	8°51'54	28°27	18°19	5°41	3°38	28°58	13°36	19°22	27°18	11°43	16°59	16° 6	19°47	n.a.	F 6
S 7	12 33 15	9°49'40	10♑39	19°59	5°53	4°15	28°54	13°33	19°26	27°17	11°44	16°D58	16° 3	19°54	n.a.	S 7
S 8	12 37 12	10°47'25	23° 5	21°42	6° 7	4°51	28°49	13°30	19°29	27°15	11°45	16°59	16° 0	20° 1	n.a.	S 8
M 9	12 41 8	11°45'09	5♒52	23°26	6°23	5°27	28°45	13°26	19°32	27°14	11°46	17° 0	15°56	20° 8	n.a.	M 9
T 10	12 45 5	12°42'52	19° 1	25°13	6°41	6° 3	28°41	13°23	19°36	27°12	11°47	17° 1	15°53	20°14	n.a.	T 10
W11	12 49 1	13°40'33	2♓36	27° 1	7° 1	6°39	28°37	13°19	19°39	27°10	11°48	17° 3	15°50	20°21	n.a.	W11
T 12	12 52 58	14°38'13	16°37	28°52	7°23	7°14	28°34	13°16	19°43	27° 9	11°48	17°R 3	15°47	20°28	n.a.	T 12
F 13	12 56 55	15°35'51	1♈ 2	0♈44	7°46	7°50	28°30	13°12	19°46	27° 7	11°49	17° 3	15°44	20°34	n.a.	F 13
S 14	13 0 51	16°33'29	15°48	2°38	8°11	8°25	28°27	13° 9	19°50	27° 6	11°50	17° 1	15°41	20°41	n.a.	S 14
S 15	13 4 48	17°31'05	0♉47	4°35	8°38	9° 1	28°24	13° 5	19°53	27° 4	11°51	16°57	15°37	20°48	n.a.	S 15
M16	13 8 44	18°28'39	15°50	6°33	9° 6	9°36	28°21	13° 1	19°57	27° 3	11°52	16°53	15°34	20°54	n.a.	M16
T 17	13 12 41	19°26'13	0♊48	8°33	9°36	10°11	28°18	12°57	20° 0	27° 1	11°52	16°49	15°31	21° 1	n.a.	T 17
W18	13 16 37	20°23'44	15°33	10°35	10° 7	10°45	28°16	12°53	20° 4	26°59	11°53	16°45	15°28	21° 8	n.a.	W18
T 19	13 20 34	21°21'15	29°59	12°39	10°40	11°20	28°13	12°50	20° 7	26°58	11°54	16°42	15°25	21°15	n.a.	T 19
F 20	13 24 30	22°18'43	14♋ 3	14°44	11°13	11°55	28°11	12°46	20°11	26°56	11°55	16°40	15°21	21°21	n.a.	F 20
S 21	13 28 27	23°16'11	27°43	16°51	11°48	12°29	28° 9	12°42	20°14	26°55	11°55	16°D40	15°18	21°28	n.a.	S 21
S 22	13 32 24	24°13'36	11♌ 1	18°59	12°25	13° 3	28° 7	12°38	20°18	26°53	11°56	16°41	15°15	21°35	n.a.	S 22
M23	13 36 20	25°11'01	23°59	21° 8	13° 2	13°37	28° 6	12°34	20°21	26°51	11°57	16°42	15°12	21°41	n.a.	M23
T 24	13 40 17	26° 8'24	6♍40	23°18	13°41	14°11	28° 4	12°29	20°25	26°50	11°57	16°43	15° 9	21°48	n.a.	T 24
W25	13 44 13	27° 5'45	19° 8	25°29	14°21	14°45	28° 3	12°25	20°28	26°48	11°58	16°R44	15° 6	21°55	n.a.	W25
T 26	13 48 10	28° 3'06	1♎24	27°41	15° 1	15°18	28° 2	12°21	20°31	26°46	11°58	16°43	15° 2	22° 2	n.a.	T 26
F 27	13 52 6	29° 0'25	13°32	29°52	15°43	15°51	28° 1	12°17	20°35	26°45	11°59	16°40	14°59	22° 8	n.a.	F 27
S 28	13 56 3	29°57'43	25°34	2♉ 4	16°26	16°24	28° 0	12°13	20°38	26°43	11°59	16°35	14°56	22°15	n.a.	S 28
S 29	13 59 59	0♉55'00	7♏30	4°15	17°10	16°57	27°59	12° 9	20°42	26°42	12° 0	16°28	14°53	22°22	n.a.	S 29
M30	14 3 56	1♉52'17	19♏24	6♉26	17♓54	17♉30	27♌59	12♏ 4	20♈45	26♎40	12♒ 0	16♍20	14♍50	22♏28	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n38	7s57	3n30	10s12	2s39	5s58	4n 3	24s36	0s50	13n27	1n43	14s10	2n 9	7n 8	0s29	8s49	2n 1	31s 8	14s14	5n 8	5n27	13s22		n.a.
M 2	2 1	11 15	4 14	9 36	2 38	6 10	3 50	24 38	0 52	13 29	1 42	14 10	2 9	7 9	0 29	8 49	2 1	31 8	14 15	5 9	5 28	13 24		n.a.
T 3	2 24	14 4	4 47	8 58	2 36	6 21	3 37	24 40	0 54	13 30	1 42	14 9	2 9	7 10	0 29	8 48	2 1	31 8	14 15	5 10	5 30	13 25		n.a.
W 4	2 47	16 18	5 7	8 19	2 34	6 30	3 24	24 41	0 56	13 32	1 42	14 8	2 9	7 11	0 29	8 48	2 1	31 8	14 15	5 11	5 31	13 26		n.a.
T 5	3 11	17 51	5 15	7 39	2 31	6 39	3 11	24 42	0 58	13 33	1 42	14 7	2 9	7 13	0 29	8 47	2 1	31 8	14 15	5 12	5 32	13 28		n.a.
F 6	3 34	18 37	5 9	6 56	2 28	6 47	2 59	24 43	1 0	13 35	1 42	14 6	2 9	7 14	0 29	8 47	2 1	31 8	14 16	5 13	5 33	13 29		n.a.
S 7	3 57	18 33	4 49	6 13	2 24	6 54	2 47	24 44	1 2	13 36	1 42	14 5	2 9	7 15	0 29	8 46	2 1	31 8	14 16	5 13	5 35	13 31		n.a.
S 8	4 20	17 35	4 15	5 28	2 19	7 0	2 35	24 45	1 4	13 38	1 41	14 3	2 9	7 17	0 29	8 46	2 1	31 8	14 16	5 13	5 36	13 32		n.a.
M 9	4 43	15 43	3 27	4 41	2 14	7 5	2 23	24 46	1 6	13 39	1 41	14 2	2 9	7 18	0 29	8 45	2 1	31 8	14 17	5 12	5 37	13 33		n.a.
T 10	5 5	12 59	2 28	3 53	2 9	7 9	2 11	24 46	1 9	13 40	1 41	14 1	2 9	7 19	0 29	8 44	2 1	31 8	14 17	5 12	5 38	13 35		n.a.
W11	5 28	9 28	1 19	3 4	2 2	7 12	2 0	24 47	1 11	13 41	1 41	14 0	2 9	7 21	0 29	8 44	2 1	31 8	14 17	5 11	5 40	13 36		n.a.
T 12	5 51	5 19	0 2	2 14	1 56	7 15	1 49	24 47	1 13	13 42	1 40	13 59	2 9	7 22	0 29	8 43	2 1	31 8	14 18	5 11	5 41	13 38		n.a.
F 13	6 13	0 44	1s16	1 22	1 49	7 16	1 38	24 47	1 15	13 43	1 40	13 58	2 9	7 23	0 29	8 43	2 1	31 8	14 18	5 11	5 42	13 39		n.a.
S 14	6 36	3n59	2 31	0 29	1 41	7 16	1 27	24 47	1 18	13 44	1 40	13 57	2 9	7 25	0 29	8 42	2 1	31 9	14 18	5 12	5 43	13 40		n.a.
S 15	6 58	8 31	3 37	0n26	1 33	7 16	1 17	24 47	1 20	13 45	1 40	13 56	2 9	7 26	0 29	8 41	2 1	31 9	14 19	5 13	5 45	13 42		n.a.
M16	7 20	12 32	4 28	1 21	1 24	7 14	1 7	24 47	1 22	13 46	1 40	13 54	2 10	7 27	0 29	8 41	2 1	31 9	14 19	5 15	5 46	13 43		n.a.
T 17	7 43	15 43	5 0	2 17	1 15	7 12	0 57	24 47	1 25	13 47	1 39	13 53	2 10	7 29	0 29	8 40	2 1	31 9	14 19	5 17	5 47	13 45		n.a.
W18	8 5	17 49	5 12	3 14	1 6	7 9	0 47	24 46	1 27	13 47	1 39	13 52	2 10	7 30	0 29	8 40	2 1	31 9	14 20	5 18	5 48	13 46		n.a.
T 19	8 26	18 43	5 4	4 12	0 56	7 5	0 38	24 46	1 29	13 48	1 39	13 51	2 10	7 31	0 29	8 39	2 1	31 9	14 20	5 19	5 50	13 47		n.a.
F 20	8 48	18 26	4 37	5 10	0 47	7 1	0 29	24 45	1 32	13 48	1 39	13 50	2 10	7 33	0 29	8 39	2 1	31 9	14 20	5 20	5 51	13 49		n.a.
S 21	9 10	17 4	3 56	6 9	0 36	6 56	0 20	24 44	1 34	13 49	1 38	13 48	2 10	7 34	0 29	8 38	2 1	31 9	14 21	5 20	5 52	13 50		n.a.
S 22	9 31	14 47	3 2	7 8	0 26	6 49	0 11	24 44	1 37	13 49	1 38	13 47	2 10	7 35	0 29	8 37	2 1	31 9	14 21	5 20	5 53	13 52		n.a.
M23	9 53	11 49	2 1	8 7	0 15	6 43	0 3	24 43	1 39	13 50	1 38	13 46	2 10	7 37	0 29	8 37	2 1	31 9	14 21	5 19	5 55	13 53		n.a.
T 24	10 14	8 21	0 54	9 6	0 5	6 35	0s 5	24 42	1 42	13 50	1 38	13 45	2 10	7 38	0 29	8 36	2 1	31 10	14 22	5 19	5 56	13 54		n.a.
W25	10 35	4 34	0n13	10 5	0n 6	6 27	0 13	24 40	1 44	13 50	1 37	13 43	2 10	7 39	0 29	8 36	2 1	31 10	14 22	5 19	5 57	13 56		n.a.
T 26	10 56	0 38	1 19	11 3	0 16	6 18	0 21	24 39	1 47	13 50	1 37	13 42	2 10	7 41	0 29	8 35	2 1	31 10	14 22	5 19	5 58	13 57		n.a.
F 27	11 16	3s16	2 20	12 0	0 27	6 8	0 28	24 38	1 50	13 50	1 37	13 41	2 10	7 42	0 29	8 34	2 1	31 10	14 23	5 20	6 0	13 58		n.a.
S 28	11 37	7 0	3 15	12 56	0 37	5 58	0 35	24 36	1 52	13 50	1 37	13 39	2 10	7 43	0 29	8 34	2 1	31 10	14 23	5 22	6 1	14 0		n.a.
S 29	11 57	10 26	4 0	13 51	0 47	5 47	0 42	24 35	1 55	13 50	1 36	13 38	2 10	7 45	0 29	8 33	2 1	31 10	14 24	5 25	6 2	14 1		n.a.
M30	12n17	13s25	4n34	14n44	0n56	5s36	0s49	24s33	1s58	13n50	1n36	13s37	2n10	7n46	0s29	8s33	2n 1	31s11	14s24	5n28	6n 3	14s 3		n.a.

Julian Day Number = 1478622.5, Delta T = 05h24m40s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'15, Lahiri = -13°08'15 Julian Calendar 1 Apr. 665 BCE == Greg. Calendar 25 March 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

MAY 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 7 52	2♉49'32	1♐16	8♉36	18♓40	18♊ 2	27°R59	12°R 0	20♈49	26°R38	12♒ 1	16°R11	14♍46	22♏35	n.a.	T 1
W 2	14 11 49	3°46'47	13° 8	10°45	19°26	18°35	27°D59	11♏56	20°52	26♎37	12° 1	16♍ 3	14°43	22°42	n.a.	W 2
T 3	14 15 46	4°44'02	25° 4	12°52	20°13	19° 7	27♌59	11°51	20°56	26°35	12° 2	15°55	14°40	22°49	n.a.	T 3
F 4	14 19 42	5°41'15	7♊ 5	14°58	21° 1	19°38	27°59	11°47	20°59	26°34	12° 2	15°50	14°37	22°55	n.a.	F 4
S 5	14 23 39	6°38'28	19°16	17° 2	21°50	20°10	28° 0	11°43	21° 2	26°32	12° 2	15°46	14°34	23° 2	n.a.	S 5
S 6	14 27 35	7°35'41	1♒41	19° 5	22°39	20°41	28° 0	11°38	21° 6	26°30	12° 3	15°45	14°31	23° 9	n.a.	S 6
M 7	14 31 32	8°32'53	14°23	21° 5	23°29	21°12	28° 1	11°34	21° 9	26°29	12° 3	15°D44	14°27	23°15	n.a.	M 7
T 8	14 35 28	9°30'05	27°27	23° 3	24°20	21°43	28° 2	11°29	21°12	26°27	12° 3	15°45	14°24	23°22	n.a.	T 8
W 9	14 39 25	10°27'17	10♓56	25° 0	25°11	22°13	28° 3	11°25	21°16	26°26	12° 4	15°R46	14°21	23°29	n.a.	W 9
T 10	14 43 22	11°24'28	24°54	26°54	26° 3	22°44	28° 5	11°21	21°19	26°24	12° 4	15°46	14°18	23°36	n.a.	T 10
F 11	14 47 18	12°21'38	9♈19	28°45	26°56	23°14	28° 6	11°16	21°22	26°23	12° 4	15°44	14°15	23°42	n.a.	F 11
S 12	14 51 15	13°18'49	24° 8	0♊35	27°49	23°43	28° 8	11°12	21°26	26°21	12° 4	15°39	14°12	23°49	n.a.	S 12
S 13	14 55 11	14°15'59	9♉16	2°22	28°43	24°13	28°10	11° 7	21°29	26°20	12° 4	15°33	14° 8	23°56	n.a.	S 13
M14	14 59 8	15°13'08	24°33	4° 6	29°37	24°42	28°12	11° 3	21°32	26°18	12° 4	15°25	14° 5	24° 2	n.a.	M14
T 15	15 3 4	16°10'18	9♊47	5°48	0♈32	25°10	28°14	10°59	21°35	26°17	12° 5	15°16	14° 2	24° 9	n.a.	T 15
W16	15 7 1	17° 7'26	24°48	7°28	1°27	25°39	28°17	10°54	21°39	26°15	12° 5	15° 7	13°59	24°16	n.a.	W16
T 17	15 10 57	18° 4'34	9♋28	9° 6	2°23	26° 7	28°19	10°50	21°42	26°14	12° 5	15° 1	13°56	24°23	n.a.	T 17
F 18	15 14 54	19° 1'42	23°41	10°41	3°19	26°34	28°22	10°46	21°45	26°12	12° 5	14°56	13°52	24°29	n.a.	F 18
S 19	15 18 51	19°58'49	7♌27	12°13	4°15	27° 2	28°25	10°41	21°48	26°11	12° 5	14°54	13°49	24°36	n.a.	S 19
S 20	15 22 47	20°55'55	20°45	13°43	5°12	27°29	28°28	10°37	21°51	26° 9	12°R 5	14°D53	13°46	24°43	n.a.	S 20
M21	15 26 44	21°53'01	3♍39	15°11	6°10	27°55	28°32	10°33	21°55	26° 8	12° 5	14°53	13°43	24°49	n.a.	M21
T 22	15 30 40	22°50'06	16°13	16°36	7° 8	28°21	28°35	10°29	21°58	26° 6	12° 5	14°R53	13°40	24°56	n.a.	T 22
W23	15 34 37	23°47'11	28°31	17°58	8° 6	28°47	28°39	10°24	22° 1	26° 5	12° 5	14°53	13°37	25° 3	n.a.	W23
T 24	15 38 33	24°44'16	10♎38	19°18	9° 4	29°13	28°42	10°20	22° 4	26° 4	12° 5	14°50	13°33	25°10	n.a.	T 24
F 25	15 42 30	25°41'20	22°38	20°35	10° 3	29°38	28°46	10°16	22° 7	26° 2	12° 5	14°44	13°30	25°16	n.a.	F 25
S 26	15 46 26	26°38'24	4♏32	21°50	11° 3	0♒ 2	28°50	10°12	22°10	26° 1	12° 4	14°36	13°27	25°23	n.a.	S 26
S 27	15 50 23	27°35'28	16°25	23° 2	12° 2	0°27	28°55	10° 8	22°13	26° 0	12° 4	14°26	13°24	25°30	n.a.	S 27
M28	15 54 20	28°32'32	28°17	24°11	13° 2	0°50	28°59	10° 4	22°16	25°58	12° 4	14°14	13°21	25°36	n.a.	M28
T 29	15 58 16	29°29'36	10♐10	25°17	14° 3	1°14	29° 4	10° 0	22°19	25°57	12° 4	14° 0	13°18	25°43	n.a.	T 29
W30	16 2 13	0♊26'40	22° 6	26°20	15° 3	1°37	29° 8	9°56	22°22	25°56	12° 4	13°48	13°14	25°50	n.a.	W30
T 31	16 6 9	1♊23'44	4♊ 6	27♊20	16♈ 4	1♒59	29♌13	9♏52	22♈25	25♎54	12♒ 3	13♍36	13♍11	25♏57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n37	15s51	4n57	15n36	1n 5	5s23	0s55	24s32	2s 1	13n50	1n36	13s36	2n10	7n47	0s29	8s32	2n 1	31s11	14s24	5n31	6n 5	14s 4			n.a.
W 2	12 57	17 37	5 7	16 25	1 14	5 11	1 2	24 30	2 3	13 50	1 36	13 34	2 10	7 49	0 29	8 32	2 1	31 11	14 25	5 35	6 6	14 5			n.a.
T 3	13 17	18 38	5 3	17 13	1 22	4 58	1 8	24 28	2 6	13 50	1 35	13 33	2 10	7 50	0 29	8 31	2 1	31 11	14 25	5 38	6 7	14 7			n.a.
F 4	13 36	18 49	4 47	17 59	1 30	4 44	1 13	24 26	2 9	13 49	1 35	13 32	2 10	7 51	0 29	8 30	2 1	31 12	14 25	5 40	6 8	14 8			n.a.
S 5	13 55	18 8	4 17	18 42	1 37	4 29	1 19	24 25	2 12	13 49	1 35	13 30	2 10	7 53	0 29	8 30	2 1	31 12	14 26	5 41	6 10	14 9			n.a.
S 6	14 14	16 35	3 34	19 23	1 43	4 15	1 24	24 23	2 15	13 48	1 34	13 29	2 10	7 54	0 29	8 29	2 1	31 12	14 26	5 42	6 11	14 11			n.a.
M 7	14 33	14 11	2 40	20 1	1 48	3 59	1 30	24 21	2 18	13 48	1 34	13 28	2 10	7 55	0 29	8 29	2 1	31 12	14 26	5 42	6 12	14 12			n.a.
T 8	14 51	11 1	1 37	20 37	1 53	3 43	1 34	24 19	2 21	13 47	1 34	13 26	2 9	7 56	0 29	8 28	2 1	31 13	14 27	5 42	6 13	14 13			n.a.
W 9	15 10	7 10	0 26	21 11	1 58	3 27	1 39	24 17	2 24	13 47	1 34	13 25	2 9	7 58	0 29	8 28	2 1	31 13	14 27	5 41	6 15	14 15			n.a.
T 10	15 28	2 48	0s49	21 42	2 1	3 10	1 44	24 14	2 27	13 46	1 33	13 24	2 9	7 59	0 29	8 27	2 1	31 13	14 28	5 41	6 16	14 16			n.a.
F 11	15 46	1n52	2 3	22 10	2 4	2 53	1 48	24 12	2 30	13 45	1 33	13 22	2 9	8 0	0 29	8 27	2 1	31 13	14 28	5 42	6 17	14 17			n.a.
S 12	16 3	6 33	3 10	22 37	2 6	2 36	1 52	24 10	2 33	13 44	1 33	13 21	2 9	8 1	0 29	8 26	2 1	31 14	14 28	5 44	6 18	14 19			n.a.
S 13	16 20	10 54	4 6	23 0	2 8	2 18	1 56	24 8	2 36	13 43	1 33	13 20	2 9	8 3	0 29	8 25	2 1	31 14	14 29	5 46	6 20	14 20			n.a.
M14	16 38	14 34	4 45	23 22	2 8	1 59	2 0	24 6	2 39	13 42	1 32	13 18	2 9	8 4	0 29	8 25	2 1	31 14	14 29	5 50	6 21	14 22			n.a.
T 15	16 54	17 14	5 3	23 41	2 8	1 41	2 4	24 4	2 43	13 41	1 32	13 17	2 9	8 5	0 29	8 24	2 1	31 15	14 29	5 53	6 22	14 23			n.a.
W16	17 11	18 40	5 0	23 57	2 8	1 21	2 7	24 1	2 46	13 40	1 32	13 16	2 9	8 6	0 29	8 24	2 1	31 15	14 30	5 56	6 23	14 24			n.a.
T 17	17 27	18 49	4 37	24 12	2 6	1 2	2 11	23 59	2 49	13 39	1 32	13 15	2 9	8 8	0 29	8 23	2 1	31 15	14 30	5 59	6 24	14 26			n.a.
F 18	17 43	17 45	3 58	24 24	2 4	0 42	2 14	23 57	2 52	13 38	1 31	13 13	2 9	8 9	0 29	8 23	2 1	31 16	14 30	6 1	6 26	14 27			n.a.
S 19	17 59	15 40	3 6	24 35	2 1	0 22	2 17	23 55	2 56	13 36	1 31	13 12	2 9	8 10	0 29	8 22	2 1	31 16	14 31	6 2	6 27	14 28			n.a.
S 20	18 14	12 48	2 5	24 43	1 58	0 2	2 19	23 53	2 59	13 35	1 31	13 11	2 9	8 11	0 29	8 22	2 1	31 16	14 31	6 2	6 28	14 30			n.a.
M21	18 29	9 23	1 0	24 49	1 54	0n19	2 22	23 51	3 3	13 34	1 31	13 10	2 8	8 12	0 29	8 21	2 1	31 17	14 32	6 2	6 29	14 31			n.a.
T 22	18 44	5 37	0n 7	24 54	1 49	0 40	2 24	23 49	3 6	13 32	1 30	13 8	2 8	8 13	0 29	8 21	2 1	31 17	14 32	6 2	6 31	14 32			n.a.
W23	18 59	1 42	1 12	24 57	1 44	1 1	2 27	23 47	3 10	13 31	1 30	13 7	2 8	8 15	0 29	8 20	2 1	31 17	14 32	6 2	6 32	14 34			n.a.
T 24	19 13	2s15	2 12	24 58	1 38	1 22	2 29	23 45	3 13	13 29	1 30	13 6	2 8	8 16	0 29	8 20	2 1	31 18	14 33	6 3	6 33	14 35			n.a.
F 25	19 27	6 3	3 6	24 57	1 31	1 44	2 31	23 43	3 17	13 28	1 30	13 5	2 8	8 17	0 29	8 19	2 0	31 18	14 33	6 5	6 34	14 36			n.a.
S 26	19 41	9 35	3 51	24 55	1 24	2 6	2 33	23 41	3 20	13 26	1 29	13 4	2 8	8 18	0 29	8 19	2 0	31 18	14 33	6 9	6 36	14 37			n.a.
S 27	19 54	12 44	4 26	24 52	1 16	2 28	2 34	23 39	3 24	13 24	1 29	13 2	2 8	8 19	0 29	8 19	2 0	31 19	14 34	6 13	6 37	14 39			n.a.
M28	20 7	15 21	4 49	24 47	1 8	2 50	2 36	23 37	3 27	13 22	1 29	13 1	2 8	8 20	0 29	8 18	2 0	31 19	14 34	6 17	6 38	14 40			n.a.
T 29	20 19	17 20	5 0	24 40	0 59	3 12	2 37	23 35	3 31	13 20	1 29	13 0	2 8	8 21	0 29	8 18	2 0	31 20	14 34	6 23	6 39	14 41			n.a.
W30	20 32	18 35	4 58	24 33	0 50	3 35	2 38	23 34	3 35	13 19	1 28	12 59	2 7	8 22	0 29	8 17	2 0	31 20	14 35	6 28	6 41	14 43			n.a.
T 31	20n44	19s 1	4n42	24n25	0n40	3n58	2s39	23s32	3s38	13n17	1n28	12s58	2n 7	8n24	0s29	8s17	2n 0	31s20	14s35	6n32	6n42	14s44			n.a.

Julian Day Number = 1478652.5, Delta T = 05h24m39s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'11, Lahiri = -13°08'11 Julian Calendar 1 May 665 BCE == Greg. Calendar 24 Apr. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

JUNE 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 10 6	2♊20'49	16♉12	28♊18	17♈ 6	2♒21	29♌18	9°R48	22♈27	25°R53	12°R 3	13°R27	13♍ 8	26♏ 3	n.a.	F 1
S 2	16 14 2	3°17'54	28°27	29°11	18° 7	2°42	29°23	9♏44	22°30	25♎52	12♒ 3	13♍20	13° 5	26°10	n.a.	S 2
S 3	16 17 59	4°14'59	10♒53	0♋ 2	19° 9	3° 3	29°29	9°40	22°33	25°51	12° 2	13°16	13° 2	26°17	n.a.	S 3
M 4	16 21 55	5°12'05	23°35	0°49	20°11	3°24	29°34	9°36	22°36	25°50	12° 2	13°14	12°58	26°24	n.a.	M 4
T 5	16 25 52	6° 9'12	6♓36	1°32	21°14	3°44	29°40	9°33	22°39	25°49	12° 2	13°14	12°55	26°30	n.a.	T 5
W 6	16 29 49	7° 6'19	19°59	2°12	22°16	4° 3	29°46	9°29	22°41	25°47	12° 1	13°14	12°52	26°37	n.a.	W 6
T 7	16 33 45	8° 3'26	3♈48	2°48	23°19	4°22	29°52	9°25	22°44	25°46	12° 1	13°13	12°49	26°44	n.a.	T 7
F 8	16 37 42	9° 0'35	18° 4	3°19	24°22	4°40	29°58	9°22	22°47	25°45	12° 1	13°10	12°46	26°50	n.a.	F 8
S 9	16 41 38	9°57'44	2♉45	3°47	25°26	4°58	0♍ 4	9°18	22°49	25°44	12° 0	13° 5	12°43	26°57	n.a.	S 9
S 10	16 45 35	10°54'53	17°47	4°10	26°30	5°15	0°10	9°15	22°52	25°43	12° 0	12°57	12°39	27° 4	n.a.	S 10
M11	16 49 31	11°52'04	3♊ 1	4°29	27°33	5°31	0°17	9°12	22°54	25°42	11°59	12°47	12°36	27°11	n.a.	M11
T 12	16 53 28	12°49'15	18°17	4°43	28°37	5°47	0°23	9° 8	22°57	25°41	11°59	12°36	12°33	27°17	n.a.	T 12
W13	16 57 25	13°46'26	3♋23	4°53	29°42	6° 2	0°30	9° 5	23° 0	25°40	11°58	12°25	12°30	27°24	n.a.	W13
T 14	17 1 21	14°43'38	18°10	4°R58	0♉46	6°16	0°37	9° 2	23° 2	25°39	11°58	12°16	12°27	27°31	n.a.	T 14
F 15	17 5 18	15°40'51	2♌31	4°58	1°51	6°30	0°44	8°59	23° 4	25°38	11°57	12°10	12°24	27°37	n.a.	F 15
S 16	17 9 14	16°38'03	16°23	4°53	2°56	6°43	0°51	8°56	23° 7	25°37	11°56	12° 6	12°20	27°44	n.a.	S 16
S 17	17 13 11	17°35'16	29°46	4°43	4° 1	6°55	0°58	8°53	23° 9	25°37	11°56	12° 4	12°17	27°51	n.a.	S 17
M18	17 17 7	18°32'30	12♍42	4°28	5° 6	7° 7	1° 6	8°50	23°11	25°36	11°55	12° 4	12°14	27°58	n.a.	M18
T 19	17 21 4	19°29'44	25°16	4° 9	6°12	7°18	1°13	8°47	23°14	25°35	11°54	12° 4	12°11	28° 4	n.a.	T 19
W20	17 25 0	20°26'58	7♎32	3°45	7°17	7°28	1°21	8°45	23°16	25°34	11°54	12° 3	12° 8	28°11	n.a.	W20
T 21	17 28 57	21°24'13	19°36	3°16	8°23	7°38	1°29	8°42	23°18	25°33	11°53	12° 0	12° 4	28°18	n.a.	T 21
F 22	17 32 54	22°21'29	1♏32	2°44	9°29	7°47	1°37	8°39	23°20	25°33	11°52	11°55	12° 1	28°24	n.a.	F 22
S 23	17 36 50	23°18'45	13°24	2° 7	10°35	7°55	1°45	8°37	23°22	25°32	11°52	11°47	11°58	28°31	n.a.	S 23
S 24	17 40 47	24°16'03	25°15	1°28	11°42	8° 2	1°53	8°34	23°25	25°31	11°51	11°37	11°55	28°38	n.a.	S 24
M25	17 44 43	25°13'20	7♐ 9	0°46	12°48	8° 9	2° 1	8°32	23°27	25°31	11°50	11°25	11°52	28°45	n.a.	M25
T 26	17 48 40	26°10'39	19° 6	0° 3	13°55	8°15	2°10	8°30	23°29	25°30	11°49	11°11	11°49	28°51	n.a.	T 26
W27	17 52 36	27° 7'59	1♑ 8	29♊18	15° 2	8°20	2°18	8°28	23°31	25°30	11°49	10°59	11°45	28°58	n.a.	W27
T 28	17 56 33	28° 5'20	13°17	28°33	16° 9	8°24	2°27	8°26	23°32	25°29	11°48	10°47	11°42	29° 5	n.a.	T 28
F 29	18 0 29	29° 2'42	25°34	27°48	17°16	8°27	2°35	8°24	23°34	25°29	11°47	10°38	11°39	29°12	n.a.	F 29
S 30	18 4 26	0♋ 0'05	7♒59	27♊ 5	18♉23	8♒30	2♍44	8♏22	23♈36	25♎28	11♒46	10♍31	11♍36	29♏18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n55	18s35	4n14	24n15	0n29	4n21	2s40	23s31	3s42	13n15	1n28	12s57	2n 7	8n25	0s29	8s16	2n 0	31s21	14s36	6n36	6n43	14s45		n.a.
S 2	21 6	17 17	3 33	24 4	0 18	4 44	2 41	23 29	3 46	13 12	1 28	12 56	2 7	8 26	0 29	8 16	2 0	31 21	14 36	6 38	6 44	14 47		n.a.
S 3	21 17	15 9	2 42	23 53	0 7	5 7	2 42	23 28	3 50	13 10	1 27	12 55	2 7	8 27	0 29	8 16	2 0	31 22	14 36	6 40	6 45	14 48		n.a.
M 4	21 28	12 15	1 42	23 41	0s 5	5 30	2 42	23 27	3 54	13 8	1 27	12 53	2 7	8 28	0 29	8 15	2 0	31 22	14 37	6 41	6 47	14 49		n.a.
T 5	21 38	8 40	0 35	23 28	0 18	5 53	2 43	23 26	3 57	13 6	1 27	12 52	2 7	8 29	0 29	8 15	2 0	31 23	14 37	6 41	6 48	14 51		n.a.
W 6	21 48	4 34	0s36	23 15	0 31	6 16	2 43	23 25	4 1	13 4	1 27	12 51	2 6	8 30	0 29	8 14	2 0	31 23	14 37	6 41	6 49	14 52		n.a.
T 7	21 57	0 6	1 46	23 1	0 44	6 40	2 43	23 24	4 5	13 1	1 26	12 50	2 6	8 31	0 29	8 14	2 0	31 24	14 38	6 41	6 50	14 53		n.a.
F 8	22 6	4n31	2 53	22 46	0 57	7 3	2 43	23 23	4 9	12 59	1 26	12 49	2 6	8 32	0 29	8 14	2 0	31 24	14 38	6 42	6 52	14 54		n.a.
S 9	22 15	9 0	3 50	22 32	1 11	7 27	2 43	23 23	4 13	12 56	1 26	12 49	2 6	8 33	0 29	8 13	2 0	31 24	14 38	6 44	6 53	14 56		n.a.
S 10	22 24	13 1	4 32	22 17	1 26	7 50	2 43	23 22	4 17	12 54	1 26	12 48	2 6	8 34	0 29	8 13	2 0	31 25	14 39	6 47	6 54	14 57		n.a.
M11	22 31	16 13	4 56	22 2	1 40	8 14	2 42	23 22	4 21	12 51	1 25	12 47	2 5	8 35	0 29	8 13	2 0	31 25	14 39	6 51	6 55	14 58		n.a.
T 12	22 39	18 17	4 59	21 47	1 54	8 37	2 42	23 22	4 25	12 49	1 25	12 46	2 5	8 36	0 29	8 12	2 0	31 26	14 39	6 56	6 57	15 0		n.a.
W13	22 46	19 3	4 41	21 32	2 9	9 0	2 41	23 22	4 29	12 46	1 25	12 45	2 5	8 37	0 29	8 12	2 0	31 26	14 40	7 0	6 58	15 1		n.a.
T 14	22 53	18 29	4 4	21 17	2 24	9 24	2 41	23 22	4 33	12 43	1 25	12 44	2 5	8 37	0 29	8 12	2 0	31 27	14 40	7 3	6 59	15 2		n.a.
F 15	22 59	16 45	3 13	21 3	2 38	9 47	2 40	23 22	4 37	12 41	1 24	12 43	2 5	8 38	0 29	8 12	2 0	31 27	14 40	7 5	7 0	15 3		n.a.
S 16	23 5	14 3	2 11	20 49	2 52	10 10	2 39	23 23	4 41	12 38	1 24	12 43	2 5	8 39	0 29	8 11	1 59	31 28	14 41	7 7	7 1	15 5		n.a.
S 17	23 11	10 42	1 5	20 35	3 6	10 33	2 38	23 24	4 45	12 35	1 24	12 42	2 4	8 40	0 29	8 11	1 59	31 28	14 41	7 8	7 3	15 6		n.a.
M18	23 16	6 56	0n 3	20 22	3 20	10 57	2 37	23 24	4 50	12 32	1 24	12 41	2 4	8 41	0 29	8 11	1 59	31 29	14 41	7 8	7 4	15 7		n.a.
T 19	23 21	2 58	1 9	20 10	3 33	11 19	2 36	23 26	4 54	12 29	1 24	12 40	2 4	8 42	0 29	8 11	1 59	31 29	14 42	7 8	7 5	15 9		n.a.
W20	23 25	1s 2	2 10	19 58	3 45	11 42	2 34	23 27	4 58	12 26	1 23	12 40	2 4	8 43	0 29	8 10	1 59	31 30	14 42	7 8	7 6	15 10		n.a.
T 21	23 29	4 56	3 5	19 47	3 57	12 5	2 33	23 28	5 2	12 23	1 23	12 39	2 4	8 43	0 29	8 10	1 59	31 30	14 42	7 9	7 8	15 11		n.a.
F 22	23 33	8 35	3 50	19 38	4 7	12 28	2 32	23 30	5 6	12 20	1 23	12 38	2 3	8 44	0 29	8 10	1 59	31 31	14 42	7 11	7 9	15 12		n.a.
S 23	23 36	11 52	4 25	19 29	4 16	12 50	2 30	23 31	5 10	12 17	1 23	12 38	2 3	8 45	0 29	8 10	1 59	31 31	14 43	7 14	7 10	15 14		n.a.
S 24	23 39	14 40	4 49	19 22	4 24	13 12	2 28	23 33	5 14	12 14	1 23	12 37	2 3	8 46	0 29	8 10	1 59	31 32	14 43	7 18	7 11	15 15		n.a.
M25	23 41	16 53	5 0	19 15	4 31	13 34	2 27	23 35	5 18	12 11	1 22	12 37	2 3	8 47	0 29	8 9	1 59	31 32	14 43	7 23	7 13	15 16		n.a.
T 26	23 43	18 22	4 58	19 11	4 36	13 56	2 25	23 38	5 22	12 8	1 22	12 36	2 3	8 47	0 29	8 9	1 59	31 33	14 44	7 28	7 14	15 17		n.a.
W27	23 44	19 4	4 43	19 7	4 39	14 18	2 23	23 40	5 26	12 4	1 22	12 36	2 2	8 48	0 29	8 9	1 59	31 33	14 44	7 33	7 15	15 19		n.a.
T 28	23 46	18 53	4 14	19 5	4 41	14 39	2 21	23 43	5 30	12 1	1 22	12 35	2 2	8 49	0 29	8 9	1 59	31 34	14 44	7 37	7 16	15 20		n.a.
F 29	23 46	17 49	3 34	19 5	4 41	15 0	2 19	23 46	5 34	11 58	1 22	12 35	2 2	8 49	0 29	8 9	1 59	31 34	14 44	7 41	7 17	15 21		n.a.
S 30	23n46	15s54	2n43	19n 6	4s39	15n21	2s17	23s49	5s38	11n54	1n21	12s34	2n 2	8n50	0s29	8s 9	1n59	31s35	14s45	7n44	7n19	15s22		n.a.

Julian Day Number = 1478683.5, Delta T = 05h24m37s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'07, Lahiri = -13°08'07 Julian Calendar 1 June 665 BCE == Greg. Calendar 25 May 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

JULY 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 8 23	0♋57'30	20♒35	26°R24	19♉30	8♒32	2♍53	8°R20	23♈38	25°R28	11°R45	10°R27	11♍33	29♏25	n.a.	S 1
M 2	18 12 19	1°54'55	3♓23	25♊46	20°38	8°33	3° 2	8♏18	23°40	25♎27	11♒44	10♍25	11°30	29°32	n.a.	M 2
T 3	18 16 16	2°52'23	16°28	25°11	21°46	8°R33	3°11	8°16	23°41	25°27	11°43	10°D25	11°26	29°38	n.a.	T 3
W 4	18 20 12	3°49'51	29°50	24°41	22°54	8°32	3°21	8°15	23°43	25°26	11°42	10°R26	11°23	29°45	n.a.	W 4
T 5	18 24 9	4°47'21	13♈34	24°16	24° 2	8°31	3°30	8°13	23°45	25°26	11°42	10°25	11°20	29°52	n.a.	T 5
F 6	18 28 5	5°44'53	27°39	23°56	25°10	8°28	3°39	8°12	23°46	25°26	11°41	10°24	11°17	29°59	n.a.	F 6
S 7	18 32 2	6°42'26	12♉ 6	23°42	26°18	8°25	3°49	8°11	23°48	25°26	11°40	10°19	11°14	0♐ 5	n.a.	S 7
S 8	18 35 58	7°40'01	26°51	23°35	27°27	8°21	3°59	8° 9	23°49	25°25	11°39	10°13	11°10	0°12	n.a.	S 8
M 9	18 39 55	8°37'38	11♊49	23°D35	28°35	8°16	4° 8	8° 8	23°51	25°25	11°38	10° 5	11° 7	0°19	n.a.	M 9
T 10	18 43 52	9°35'16	26°50	23°41	29°44	8°10	4°18	8° 7	23°52	25°25	11°37	9°56	11° 4	0°25	n.a.	T 10
W11	18 47 48	10°32'56	11♋46	23°55	0♊53	8° 4	4°28	8° 6	23°54	25°25	11°36	9°47	11° 1	0°32	n.a.	W11
T 12	18 51 45	11°30'37	26°27	24°16	2° 2	7°57	4°38	8° 6	23°55	25°25	11°35	9°40	10°58	0°39	n.a.	T 12
F 13	18 55 41	12°28'19	10♌47	24°44	3°11	7°49	4°48	8° 5	23°56	25°25	11°33	9°34	10°55	0°46	n.a.	F 13
S 14	18 59 38	13°26'03	24°40	25°20	4°20	7°40	4°59	8° 4	23°57	25°25	11°32	9°31	10°51	0°52	n.a.	S 14
S 15	19 3 34	14°23'48	8♍ 6	26° 2	5°29	7°31	5° 9	8° 4	23°58	25°D25	11°31	9°D30	10°48	0°59	n.a.	S 15
M16	19 7 31	15°21'34	21° 6	26°52	6°39	7°21	5°19	8° 3	24° 0	25°25	11°30	9°31	10°45	1° 6	n.a.	M16
T 17	19 11 27	16°19'22	3♎43	27°48	7°48	7°10	5°30	8° 3	24° 1	25°25	11°29	9°32	10°42	1°13	n.a.	T 17
W18	19 15 24	17°17'10	16° 2	28°51	8°58	6°58	5°40	8° 3	24° 2	25°25	11°28	9°R32	10°39	1°19	n.a.	W18
T 19	19 19 21	18°15'01	28° 6	29°59	10° 7	6°46	5°51	8° 2	24° 3	25°25	11°27	9°32	10°35	1°26	n.a.	T 19
F 20	19 23 17	19°12'52	10♏ 3	1♋15	11°17	6°34	6° 2	8°D 2	24° 4	25°25	11°26	9°29	10°32	1°33	n.a.	F 20
S 21	19 27 14	20°10'45	21°55	2°36	12°27	6°20	6°12	8° 2	24° 4	25°25	11°25	9°25	10°29	1°39	n.a.	S 21
S 22	19 31 10	21° 8'39	3♐48	4° 2	13°37	6° 7	6°23	8° 2	24° 5	25°25	11°24	9°18	10°26	1°46	n.a.	S 22
M23	19 35 7	22° 6'35	15°44	5°34	14°47	5°53	6°34	8° 3	24° 6	25°26	11°22	9°11	10°23	1°53	n.a.	M23
T 24	19 39 3	23° 4'33	27°46	7° 9	15°58	5°38	6°45	8° 3	24° 7	25°26	11°21	9° 2	10°20	2° 0	n.a.	T 24
W25	19 43 0	24° 2'32	9♑57	8°49	17° 8	5°23	6°56	8° 3	24° 7	25°26	11°20	8°54	10°16	2° 6	n.a.	W25
T 26	19 46 56	25° 0'33	22°17	10°32	18°18	5° 8	7° 7	8° 4	24° 8	25°27	11°19	8°46	10°13	2°13	n.a.	T 26
F 27	19 50 53	25°58'36	4♒48	12°18	19°29	4°52	7°19	8° 4	24° 9	25°27	11°18	8°40	10°10	2°20	n.a.	F 27
S 28	19 54 50	26°56'40	17°30	14° 7	20°40	4°36	7°30	8° 5	24° 9	25°27	11°17	8°36	10° 7	2°26	n.a.	S 28
S 29	19 58 46	27°54'46	0♓23	15°58	21°50	4°20	7°41	8° 6	24°10	25°28	11°15	8°34	10° 4	2°33	n.a.	S 29
M30	20 2 43	28°52'54	13°29	17°51	23° 1	4° 3	7°53	8° 7	24°10	25°28	11°14	8°D34	10° 1	2°40	n.a.	M30
T 31	20 6 39	29♋51'05	26♓47	19♋45	24♊12	3♒47	8♍ 4	8♏ 8	24♈10	25♎29	11♒13	8♍35	9♍57	2♐47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23n46	13s12	1n43	19n 8	4s35	15n42	2s15	23s52	5s42	11n51	1n21	12s34	2n 1	8n51	0s29	8s 9	1n59	31s35	14s45	7n45	7n20	15s24			n.a.
M 2	23 46	9 49	0 37	19 13	4 30	16 2	2 12	23 55	5 45	11 47	1 21	12 33	2 1	8 51	0 29	8 8	1 58	31 36	14 45	7 46	7 21	15 25			n.a.
T 3	23 44	5 54	0s32	19 19	4 23	16 22	2 10	23 59	5 49	11 44	1 21	12 33	2 1	8 52	0 29	8 8	1 58	31 36	14 45	7 46	7 22	15 26			n.a.
W 4	23 43	1 37	1 41	19 26	4 14	16 42	2 8	24 3	5 53	11 40	1 21	12 33	2 1	8 53	0 29	8 8	1 58	31 37	14 46	7 46	7 24	15 27			n.a.
T 5	23 41	2n52	2 47	19 35	4 4	17 1	2 5	24 7	5 57	11 37	1 20	12 33	2 0	8 53	0 29	8 8	1 58	31 37	14 46	7 46	7 25	15 29			n.a.
F 6	23 39	7 18	3 44	19 45	3 53	17 20	2 3	24 11	6 0	11 33	1 20	12 32	2 0	8 54	0 29	8 8	1 58	31 38	14 46	7 46	7 26	15 30			n.a.
S 7	23 36	11 26	4 28	19 57	3 40	17 39	2 0	24 15	6 4	11 29	1 20	12 32	2 0	8 54	0 29	8 8	1 58	31 38	14 46	7 48	7 27	15 31			n.a.
S 8	23 33	14 56	4 56	20 10	3 27	17 57	1 57	24 19	6 7	11 26	1 20	12 32	2 0	8 55	0 29	8 8	1 58	31 39	14 47	7 50	7 28	15 32			n.a.
M 9	23 29	17 30	5 4	20 24	3 13	18 15	1 55	24 24	6 10	11 22	1 20	12 32	2 0	8 55	0 30	8 8	1 58	31 39	14 47	7 54	7 30	15 33			n.a.
T 10	23 25	18 53	4 51	20 40	2 58	18 33	1 52	24 29	6 14	11 18	1 20	12 32	1 59	8 56	0 30	8 8	1 58	31 40	14 47	7 57	7 31	15 35			n.a.
W11	23 21	18 57	4 18	20 56	2 42	18 50	1 49	24 33	6 17	11 14	1 19	12 32	1 59	8 56	0 30	8 8	1 58	31 40	14 47	8 0	7 32	15 36			n.a.
T 12	23 16	17 44	3 29	21 13	2 26	19 7	1 46	24 38	6 20	11 10	1 19	12 32	1 59	8 57	0 30	8 8	1 58	31 41	14 48	8 3	7 33	15 37			n.a.
F 13	23 11	15 25	2 27	21 30	2 10	19 24	1 44	24 43	6 23	11 6	1 19	12 32	1 59	8 57	0 30	8 8	1 58	31 41	14 48	8 5	7 35	15 38			n.a.
S 14	23 5	12 15	1 19	21 48	1 54	19 39	1 41	24 48	6 25	11 2	1 19	12 32	1 58	8 58	0 30	8 8	1 58	31 42	14 48	8 7	7 36	15 40			n.a.
S 15	22 59	8 32	0 8	22 5	1 38	19 55	1 38	24 53	6 28	10 58	1 19	12 32	1 58	8 58	0 30	8 8	1 58	31 42	14 48	8 7	7 37	15 41			n.a.
M16	22 52	4 31	1n 2	22 23	1 21	20 10	1 35	24 58	6 31	10 54	1 19	12 32	1 58	8 59	0 30	8 8	1 58	31 43	14 48	8 7	7 38	15 42			n.a.
T 17	22 46	0 26	2 6	22 40	1 5	20 25	1 32	25 4	6 33	10 50	1 18	12 32	1 58	8 59	0 30	8 8	1 57	31 43	14 48	8 6	7 39	15 43			n.a.
W18	22 38	3s34	3 3	22 56	0 50	20 39	1 29	25 9	6 35	10 46	1 18	12 32	1 57	8 59	0 30	8 9	1 57	31 44	14 49	8 6	7 41	15 44			n.a.
T 19	22 31	7 21	3 51	23 12	0 35	20 52	1 25	25 14	6 37	10 42	1 18	12 32	1 57	9 0	0 30	8 9	1 57	31 45	14 49	8 6	7 42	15 46			n.a.
F 20	22 22	10 48	4 28	23 26	0 20	21 5	1 22	25 19	6 39	10 38	1 18	12 32	1 57	9 0	0 30	8 9	1 57	31 45	14 49	8 7	7 43	15 47			n.a.
S 21	22 14	13 47	4 53	23 39	0 6	21 18	1 19	25 24	6 41	10 34	1 18	12 33	1 57	9 0	0 30	8 9	1 57	31 45	14 49	8 9	7 44	15 48			n.a.
S 22	22 5	16 12	5 6	23 50	0n 8	21 30	1 16	25 29	6 42	10 30	1 18	12 33	1 56	9 1	0 30	8 9	1 57	31 46	14 49	8 11	7 46	15 49			n.a.
M23	21 56	17 56	5 5	24 0	0 20	21 41	1 13	25 34	6 44	10 25	1 18	12 33	1 56	9 1	0 30	8 9	1 57	31 46	14 49	8 14	7 47	15 50			n.a.
T 24	21 46	18 54	4 51	24 7	0 32	21 52	1 10	25 39	6 45	10 21	1 17	12 34	1 56	9 1	0 30	8 9	1 57	31 47	14 50	8 18	7 48	15 52			n.a.
W25	21 36	19 0	4 24	24 12	0 43	22 2	1 6	25 44	6 46	10 17	1 17	12 34	1 56	9 1	0 30	8 10	1 57	31 47	14 50	8 21	7 49	15 53			n.a.
T 26	21 26	18 13	3 44	24 14	0 54	22 12	1 3	25 49	6 47	10 12	1 17	12 34	1 55	9 2	0 30	8 10	1 57	31 48	14 50	8 24	7 50	15 54			n.a.
F 27	21 15	16 32	2 52	24 14	1 3	22 21	1 0	25 54	6 48	10 8	1 17	12 35	1 55	9 2	0 30	8 10	1 57	31 48	14 50	8 26	7 52	15 55			n.a.
S 28	21 4	14 2	1 52	24 12	1 11	22 30	0 57	25 58	6 48	10 4	1 17	12 35	1 55	9 2	0 30	8 10	1 57	31 49	14 50	8 27	7 53	15 56			n.a.
S 29	20 52	10 48	0 44	24 6	1 19	22 38	0 53	26 2	6 48	9 59	1 17	12 36	1 55	9 2	0 30	8 10	1 57	31 49	14 50	8 28	7 54	15 58			n.a.
M30	20 40	7 0	0s27	23 58	1 25	22 45	0 50	26 7	6 48	9 55	1 17	12 36	1 54	9 2	0 30	8 11	1 57	31 50	14 50	8 28	7 55	15 59			n.a.
T 31	20n28	2s47	1s37	23n48	1n31	22n52	0s47	26s11	6s48	9n50	1n17	12s37	1n54	9n 2	0s30	8s11	1n57	31s50	14s50	8n28	7n56	16s 0			n.a.

Julian Day Number = 1478713.5, Delta T = 05h24m36s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°15'03, Lahiri = -13°08'03 Julian Calendar 1 July 665 BCE == Greg. Calendar 24 June 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

AUGUST 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 10 36	0♌49'17	10♈18	21♋40	25♊23	3°R30	8♍16	8♏ 9	24♈11	25♎29	11°R12	8♍37	9♍54	2♐53	n.a.	W 1
T 2	20 14 32	1°47'32	24° 5	23°36	26°35	3♒13	8°27	8°10	24°11	25°30	11♒10	8°38	9°51	3° 0	n.a.	T 2
F 3	20 18 29	2°45'48	8♉ 5	25°32	27°46	2°56	8°39	8°11	24°11	25°31	11° 9	8°R38	9°48	3° 7	n.a.	F 3
S 4	20 22 25	3°44'08	22°20	27°29	28°57	2°40	8°51	8°13	24°11	25°31	11° 8	8°37	9°45	3°14	n.a.	S 4
S 5	20 26 22	4°42'29	6♊46	29°25	0♋ 9	2°23	9° 3	8°14	24°11	25°32	11° 7	8°34	9°41	3°20	n.a.	S 5
M 6	20 30 19	5°40'53	21°21	1♌20	1°20	2° 7	9°15	8°16	24°12	25°33	11° 6	8°30	9°38	3°27	n.a.	M 6
T 7	20 34 15	6°39'19	5♋57	3°16	2°32	1°50	9°27	8°17	24°R12	25°33	11° 4	8°25	9°35	3°34	n.a.	T 7
W 8	20 38 12	7°37'47	20°30	5°10	3°44	1°34	9°39	8°19	24°12	25°34	11° 3	8°20	9°32	3°40	n.a.	W 8
T 9	20 42 8	8°36'17	4♌51	7° 4	4°56	1°18	9°51	8°21	24°11	25°35	11° 2	8°17	9°29	3°47	n.a.	T 9
F 10	20 46 5	9°34'49	18°57	8°57	6° 7	1° 3	10° 3	8°23	24°11	25°36	11° 1	8°14	9°26	3°54	n.a.	F 10
S 11	20 50 1	10°33'23	2♍42	10°50	7°19	0°48	10°15	8°25	24°11	25°37	10°59	8°D13	9°22	4° 1	n.a.	S 11
S 12	20 53 58	11°31'59	16° 4	12°41	8°32	0°33	10°27	8°27	24°11	25°38	10°58	8°13	9°19	4° 7	n.a.	S 12
M13	20 57 54	12°30'37	29° 3	14°31	9°44	0°19	10°39	8°29	24°11	25°38	10°57	8°14	9°16	4°14	n.a.	M13
T 14	21 1 51	13°29'16	11♎42	16°21	10°56	0° 5	10°52	8°32	24°10	25°39	10°56	8°16	9°13	4°21	n.a.	T 14
W15	21 5 48	14°27'58	24° 3	18° 9	12° 8	29♑52	11° 4	8°34	24°10	25°40	10°54	8°17	9°10	4°27	n.a.	W15
T 16	21 9 44	15°26'41	6♏10	19°56	13°21	29°39	11°16	8°37	24° 9	25°41	10°53	8°18	9° 7	4°34	n.a.	T 16
F 17	21 13 41	16°25'26	18° 8	21°43	14°33	29°27	11°29	8°39	24° 9	25°42	10°52	8°R19	9° 3	4°41	n.a.	F 17
S 18	21 17 37	17°24'13	0♐ 1	23°28	15°46	29°15	11°41	8°42	24° 8	25°43	10°51	8°18	9° 0	4°48	n.a.	S 18
S 19	21 21 34	18°23'02	11°55	25°12	16°58	29° 5	11°54	8°45	24° 8	25°45	10°49	8°16	8°57	4°54	n.a.	S 19
M20	21 25 30	19°21'53	23°53	26°56	18°11	28°54	12° 6	8°47	24° 7	25°46	10°48	8°14	8°54	5° 1	n.a.	M20
T 21	21 29 27	20°20'46	5♑59	28°38	19°24	28°45	12°19	8°50	24° 6	25°47	10°47	8°11	8°51	5° 8	n.a.	T 21
W22	21 33 23	21°19'41	18°17	0♍19	20°37	28°36	12°31	8°53	24° 6	25°48	10°46	8° 9	8°47	5°15	n.a.	W22
T 23	21 37 20	22°18'37	0♒48	2° 0	21°50	28°28	12°44	8°56	24° 5	25°49	10°45	8° 6	8°44	5°21	n.a.	T 23
F 24	21 41 16	23°17'36	13°34	3°39	23° 3	28°21	12°57	9° 0	24° 4	25°51	10°43	8° 5	8°41	5°28	n.a.	F 24
S 25	21 45 13	24°16'37	26°35	5°18	24°16	28°14	13°10	9° 3	24° 3	25°52	10°42	8° 4	8°38	5°35	n.a.	S 25
S 26	21 49 10	25°15'40	9♓51	6°56	25°29	28° 9	13°22	9° 6	24° 2	25°53	10°41	8°D 3	8°35	5°41	n.a.	S 26
M27	21 53 6	26°14'45	23°21	8°33	26°42	28° 4	13°35	9°10	24° 1	25°54	10°40	8° 4	8°32	5°48	n.a.	M27
T 28	21 57 3	27°13'52	7♈ 3	10° 9	27°55	27°59	13°48	9°13	24° 0	25°56	10°39	8° 4	8°28	5°55	n.a.	T 28
W29	22 0 59	28°13'02	20°55	11°44	29° 9	27°56	14° 1	9°17	23°59	25°57	10°37	8° 5	8°25	6° 2	n.a.	W29
T 30	22 4 56	29°12'14	4♉56	13°18	0♌22	27°53	14°14	9°21	23°58	25°59	10°36	8° 6	8°22	6° 8	n.a.	T 30
F 31	22 8 52	0♍11'29	19♉ 3	14♍51	1♌36	27♑51	14♍27	9♏24	23♈57	26♎ 0	10♒35	8♍ 7	8♍19	6♐15	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	20n15	1n38	2s44	23n35	1n36	22n58	0s43	26s14	6s48	9n46	1n16	12s37	1n54	9n 2	0s30	8s11	1n56	31s51	14s51	8n27	7n58	16s 1			n.a.
T 2	20 2	6 1	3 42	23 19	1 40	23 4	0 40	26 18	6 47	9 41	1 16	12 38	1 54	9 3	0 30	8 11	1 56	31 51	14 51	8 27	7 59	16 2			n.a.
F 3	19 49	10 10	4 29	23 1	1 43	23 8	0 37	26 21	6 47	9 37	1 16	12 39	1 53	9 3	0 30	8 12	1 56	31 52	14 51	8 27	8 0	16 3			n.a.
S 4	19 35	13 47	4 59	22 41	1 46	23 13	0 34	26 25	6 46	9 32	1 16	12 39	1 53	9 3	0 30	8 12	1 56	31 52	14 51	8 27	8 1	16 5			n.a.
S 5	19 21	16 37	5 12	22 18	1 47	23 16	0 30	26 27	6 45	9 28	1 16	12 40	1 53	9 3	0 30	8 12	1 56	31 53	14 51	8 28	8 3	16 6			n.a.
M 6	19 7	18 26	5 4	21 54	1 48	23 19	0 27	26 30	6 43	9 23	1 16	12 41	1 53	9 3	0 30	8 13	1 56	31 53	14 51	8 30	8 4	16 7			n.a.
T 7	18 52	19 2	4 37	21 27	1 48	23 21	0 24	26 33	6 42	9 18	1 16	12 42	1 53	9 3	0 30	8 13	1 56	31 53	14 51	8 32	8 5	16 8			n.a.
W 8	18 37	18 22	3 52	20 59	1 48	23 23	0 21	26 35	6 40	9 14	1 16	12 42	1 52	9 3	0 30	8 13	1 56	31 54	14 51	8 33	8 6	16 9			n.a.
T 9	18 22	16 32	2 52	20 29	1 47	23 23	0 17	26 37	6 38	9 9	1 16	12 43	1 52	9 3	0 30	8 14	1 56	31 54	14 51	8 35	8 7	16 10			n.a.
F 10	18 6	13 43	1 44	19 58	1 45	23 24	0 14	26 38	6 36	9 4	1 15	12 44	1 52	9 2	0 30	8 14	1 56	31 55	14 51	8 36	8 9	16 12			n.a.
S 11	17 50	10 11	0 30	19 25	1 43	23 23	0 11	26 39	6 34	8 59	1 15	12 45	1 52	9 2	0 30	8 14	1 56	31 55	14 51	8 36	8 10	16 13			n.a.
S 12	17 34	6 14	0n43	18 51	1 41	23 22	0 8	26 40	6 32	8 55	1 15	12 46	1 51	9 2	0 30	8 15	1 56	31 55	14 51	8 36	8 11	16 14			n.a.
M13	17 17	2 5	1 52	18 16	1 38	23 20	0 5	26 41	6 29	8 50	1 15	12 47	1 51	9 2	0 30	8 15	1 56	31 56	14 51	8 36	8 12	16 15			n.a.
T 14	17 0	2s 2	2 54	17 40	1 35	23 18	0 1	26 42	6 26	8 45	1 15	12 48	1 51	9 2	0 30	8 16	1 56	31 56	14 51	8 35	8 13	16 16			n.a.
W15	16 43	5 58	3 46	17 2	1 31	23 14	0n 2	26 42	6 23	8 40	1 15	12 49	1 51	9 2	0 30	8 16	1 56	31 57	14 51	8 35	8 15	16 17			n.a.
T 16	16 26	9 34	4 27	16 24	1 27	23 10	0 5	26 42	6 20	8 35	1 15	12 50	1 50	9 2	0 30	8 16	1 55	31 57	14 51	8 34	8 16	16 18			n.a.
F 17	16 8	12 44	4 56	15 46	1 22	23 6	0 8	26 41	6 17	8 30	1 15	12 51	1 50	9 1	0 30	8 17	1 55	31 57	14 51	8 34	8 17	16 20			n.a.
S 18	15 50	15 22	5 12	15 6	1 17	23 0	0 11	26 41	6 14	8 26	1 15	12 52	1 50	9 1	0 30	8 17	1 55	31 58	14 51	8 34	8 18	16 21			n.a.
S 19	15 32	17 20	5 14	14 26	1 12	22 54	0 14	26 40	6 11	8 21	1 15	12 53	1 50	9 1	0 30	8 18	1 55	31 58	14 51	8 35	8 20	16 22			n.a.
M20	15 13	18 35	5 3	13 45	1 7	22 48	0 17	26 38	6 7	8 16	1 15	12 54	1 49	9 1	0 30	8 18	1 55	31 58	14 51	8 36	8 21	16 23			n.a.
T 21	14 54	18 59	4 39	13 4	1 1	22 40	0 20	26 37	6 3	8 11	1 15	12 55	1 49	9 0	0 30	8 19	1 55	31 59	14 51	8 37	8 22	16 24			n.a.
W22	14 35	18 31	4 1	12 23	0 56	22 32	0 23	26 35	6 0	8 6	1 14	12 56	1 49	9 0	0 30	8 19	1 55	31 59	14 51	8 38	8 23	16 25			n.a.
T 23	14 16	17 9	3 12	11 41	0 50	22 24	0 25	26 33	5 56	8 1	1 14	12 58	1 49	9 0	0 30	8 20	1 55	31 59	14 51	8 39	8 24	16 26			n.a.
F 24	13 57	14 53	2 11	10 59	0 44	22 14	0 28	26 31	5 52	7 56	1 14	12 59	1 49	9 0	0 30	8 20	1 55	32 0	14 51	8 39	8 26	16 27			n.a.
S 25	13 37	11 50	1 3	10 16	0 37	22 4	0 31	26 29	5 48	7 51	1 14	13 0	1 48	8 59	0 30	8 21	1 55	32 0	14 51	8 40	8 27	16 29			n.a.
S 26	13 17	8 8	0s10	9 34	0 31	21 53	0 34	26 26	5 44	7 46	1 14	13 1	1 48	8 59	0 30	8 21	1 55	32 0	14 51	8 40	8 28	16 30			n.a.
M27	12 57	3 57	1 24	8 51	0 24	21 42	0 36	26 23	5 40	7 41	1 14	13 3	1 48	8 58	0 30	8 22	1 55	32 1	14 51	8 40	8 29	16 31			n.a.
T 28	12 36	0n29	2 34	8 8	0 17	21 30	0 39	26 20	5 36	7 36	1 14	13 4	1 48	8 58	0 30	8 22	1 55	32 1	14 51	8 39	8 30	16 32			n.a.
W29	12 15	4 57	3 36	7 25	0 11	21 17	0 41	26 16	5 32	7 31	1 14	13 5	1 47	8 58	0 30	8 23	1 55	32 1	14 51	8 39	8 32	16 33			n.a.
T 30	11 55	9 11	4 25	6 43	0 4	21 4	0 44	26 13	5 28	7 26	1 14	13 7	1 47	8 57	0 30	8 24	1 55	32 1	14 51	8 39	8 33	16 34			n.a.
F 31	11n34	12n55	5s 0	6n 0	0s 3	20n50	0n46	26s 9	5s23	7n20	1n14	13s 8	1n47	8n57	0s30	8s24	1n55	32s 2	14s51	8n39	8n34	16s35			n.a.

Julian Day Number = 1478744.5, Delta T = 05h24m34s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'59, Lahiri = -13°07'58 Julian Calendar 1 Aug. 665 BCE == Greg. Calendar 25 July 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

SEPTEMBER 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 12 49	1♍10'46	3♊15	16♍24	2♌49	27°R50	14♍39	9♏28	23°R56	26♎ 1	10°R34	8°R 7	8♍16	6♐22	n.a.	S 1
S 2	22 16 45	2°10'06	17°29	17°56	4° 3	27°D50	14°52	9°32	23♈54	26° 3	10♒33	8♍ 7	8°13	6°29	n.a.	S 2
M 3	22 20 42	3° 9'28	1♋42	19°27	5°17	27♉51	15° 5	9°36	23°53	26° 4	10°32	8° 6	8° 9	6°35	n.a.	M 3
T 4	22 24 38	4° 8'53	15°52	20°57	6°30	27°52	15°18	9°40	23°52	26° 6	10°30	8° 6	8° 6	6°42	n.a.	T 4
W 5	22 28 35	5° 8'20	29°56	22°27	7°44	27°54	15°31	9°44	23°50	26° 8	10°29	8° 5	8° 3	6°49	n.a.	W 5
T 6	22 32 32	6° 7'49	13♌50	23°55	8°58	27°57	15°44	9°49	23°49	26° 9	10°28	8° 5	8° 0	6°55	n.a.	T 6
F 7	22 36 28	7° 7'21	27°31	25°23	10°12	28° 0	15°58	9°53	23°47	26°11	10°27	8° 5	7°57	7° 2	n.a.	F 7
S 8	22 40 25	8° 6'55	10♍57	26°50	11°26	28° 5	16°11	9°57	23°46	26°12	10°26	8° 5	7°53	7° 9	n.a.	S 8
S 9	22 44 21	9° 6'30	24° 6	28°17	12°40	28°10	16°24	10° 2	23°44	26°14	10°25	8° 5	7°50	7°16	n.a.	S 9
M10	22 48 18	10° 6'08	6♎58	29°42	13°54	28°16	16°37	10° 6	23°43	26°16	10°24	8° 5	7°47	7°22	n.a.	M10
T 11	22 52 14	11° 5'48	19°34	1♎ 6	15° 8	28°23	16°50	10°11	23°41	26°17	10°23	8° 5	7°44	7°29	n.a.	T 11
W12	22 56 11	12° 5'30	1♏54	2°30	16°22	28°30	17° 3	10°16	23°39	26°19	10°22	8° 4	7°41	7°36	n.a.	W12
T 13	23 0 7	13° 5'14	14° 1	3°53	17°37	28°38	17°16	10°20	23°38	26°21	10°21	8° 4	7°38	7°42	n.a.	T 13
F 14	23 4 4	14° 5'00	25°59	5°14	18°51	28°47	17°29	10°25	23°36	26°23	10°20	8° 3	7°34	7°49	n.a.	F 14
S 15	23 8 1	15° 4'47	7♐53	6°35	20° 5	28°57	17°42	10°30	23°34	26°24	10°19	8° 3	7°31	7°56	n.a.	S 15
S 16	23 11 57	16° 4'37	19°46	7°54	21°20	29° 7	17°56	10°35	23°32	26°26	10°18	8°D 3	7°28	8° 3	n.a.	S 16
M17	23 15 54	17° 4'28	1♑43	9°13	22°34	29°18	18° 9	10°40	23°31	26°28	10°17	8° 3	7°25	8° 9	n.a.	M17
T 18	23 19 50	18° 4'21	13°49	10°30	23°49	29°30	18°22	10°45	23°29	26°30	10°16	8° 4	7°22	8°16	n.a.	T 18
W19	23 23 47	19° 4'16	26° 9	11°45	25° 3	29°42	18°35	10°50	23°27	26°32	10°15	8° 5	7°18	8°23	n.a.	W19
T 20	23 27 43	20° 4'13	8♒45	13° 0	26°18	29°55	18°48	10°55	23°25	26°34	10°14	8° 6	7°15	8°30	n.a.	T 20
F 21	23 31 40	21° 4'12	21°41	14°12	27°32	0♒ 9	19° 1	11° 1	23°23	26°36	10°13	8° 7	7°12	8°36	n.a.	F 21
S 22	23 35 36	22° 4'12	4♓58	15°23	28°47	0°23	19°15	11° 6	23°21	26°38	10°12	8°R 7	7° 9	8°43	n.a.	S 22
S 23	23 39 33	23° 4'15	18°35	16°32	0♍ 2	0°38	19°28	11°11	23°19	26°40	10°12	8° 7	7° 6	8°50	n.a.	S 23
M24	23 43 29	24° 4'19	2♈31	17°39	1°17	0°53	19°41	11°17	23°17	26°41	10°11	8° 6	7° 3	8°56	n.a.	M24
T 25	23 47 26	25° 4'25	16°42	18°43	2°31	1° 9	19°54	11°22	23°14	26°43	10°10	8° 4	6°59	9° 3	n.a.	T 25
W26	23 51 23	26° 4'33	1♉ 3	19°45	3°46	1°26	20° 7	11°28	23°12	26°45	10° 9	8° 2	6°56	9°10	n.a.	W26
T 27	23 55 19	27° 4'44	15°29	20°44	5° 1	1°43	20°20	11°33	23°10	26°47	10° 8	7°59	6°53	9°17	n.a.	T 27
F 28	23 59 16	28° 4'57	29°56	21°40	6°16	2° 0	20°33	11°39	23° 8	26°49	10° 7	7°57	6°50	9°23	n.a.	F 28
S 29	0 3 12	29° 5'12	14♊17	22°32	7°31	2°19	20°46	11°45	23° 6	26°52	10° 7	7°55	6°47	9°30	n.a.	S 29
S 30	0 7 9	0♎ 5'29	28♊30	23♎20	8♍46	2♒37	21♍ 0	11♏51	23♈ 4	26♎54	10♒ 6	7°D55	6♍44	9♐37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n12	15n56	5s16	5n17	0s10	20n36	0n49	26s 5	5s19	7n15	1n14	13s10	1n47	8n56	0s30	8s25	1n55	32s 2	14s50	8n39	8n35	16s36		n.a.
S 2	10 51	17 59	5 13	4 34	0 17	20 20	0 51	26 1	5 15	7 10	1 14	13 11	1 47	8 56	0 30	8 25	1 54	32 2	14 50	8 39	8 36	16 37		n.a.
M 3	10 29	18 55	4 51	3 51	0 25	20 5	0 53	25 57	5 10	7 5	1 14	13 13	1 46	8 55	0 30	8 26	1 54	32 2	14 50	8 39	8 38	16 39		n.a.
T 4	10 7	18 40	4 11	3 9	0 32	19 48	0 56	25 52	5 6	7 0	1 14	13 14	1 46	8 55	0 31	8 27	1 54	32 3	14 50	8 39	8 39	16 40		n.a.
W 5	9 45	17 15	3 16	2 27	0 39	19 31	0 58	25 47	5 2	6 55	1 14	13 16	1 46	8 54	0 31	8 27	1 54	32 3	14 50	8 39	8 40	16 41		n.a.
T 6	9 23	14 50	2 11	1 45	0 46	19 14	1 0	25 43	4 57	6 50	1 14	13 17	1 46	8 54	0 31	8 28	1 54	32 3	14 50	8 39	8 41	16 42		n.a.
F 7	9 1	11 36	0 58	1 3	0 53	18 56	1 2	25 37	4 53	6 44	1 14	13 19	1 46	8 53	0 31	8 28	1 54	32 3	14 50	8 39	8 42	16 43		n.a.
S 8	8 39	7 48	0n16	0 21	1 0	18 37	1 4	25 32	4 48	6 39	1 14	13 20	1 45	8 53	0 31	8 29	1 54	32 4	14 50	8 39	8 44	16 44		n.a.
S 9	8 16	3 43	1 28	0s20	1 7	18 18	1 6	25 27	4 44	6 34	1 14	13 22	1 45	8 52	0 31	8 30	1 54	32 4	14 49	8 39	8 45	16 45		n.a.
M10	7 53	0s28	2 34	1 1	1 14	17 58	1 8	25 21	4 40	6 29	1 14	13 24	1 45	8 51	0 31	8 30	1 54	32 4	14 49	8 39	8 46	16 46		n.a.
T 11	7 30	4 31	3 30	1 41	1 21	17 38	1 10	25 16	4 35	6 24	1 14	13 25	1 45	8 51	0 31	8 31	1 54	32 4	14 49	8 39	8 47	16 47		n.a.
W12	7 7	8 18	4 16	2 21	1 28	17 17	1 11	25 10	4 31	6 19	1 14	13 27	1 45	8 50	0 31	8 32	1 54	32 4	14 49	8 40	8 48	16 48		n.a.
T 13	6 44	11 40	4 50	3 1	1 35	16 56	1 13	25 4	4 27	6 13	1 14	13 28	1 44	8 50	0 31	8 32	1 54	32 4	14 49	8 40	8 50	16 49		n.a.
F 14	6 21	14 30	5 10	3 40	1 42	16 34	1 15	24 58	4 22	6 8	1 14	13 30	1 44	8 49	0 31	8 33	1 54	32 5	14 49	8 40	8 51	16 50		n.a.
S 15	5 57	16 43	5 17	4 18	1 48	16 12	1 16	24 52	4 18	6 3	1 13	13 32	1 44	8 48	0 31	8 34	1 54	32 5	14 48	8 40	8 52	16 51		n.a.
S 16	5 34	18 13	5 10	4 56	1 55	15 49	1 18	24 45	4 14	5 58	1 13	13 34	1 44	8 47	0 31	8 34	1 54	32 5	14 48	8 40	8 53	16 53		n.a.
M17	5 10	18 55	4 50	5 33	2 1	15 26	1 19	24 39	4 10	5 52	1 13	13 35	1 44	8 47	0 31	8 35	1 54	32 5	14 48	8 40	8 54	16 54		n.a.
T 18	4 47	18 47	4 17	6 9	2 7	15 2	1 21	24 32	4 5	5 47	1 13	13 37	1 43	8 46	0 31	8 36	1 54	32 5	14 48	8 40	8 56	16 55		n.a.
W19	4 23	17 45	3 32	6 45	2 13	14 38	1 22	24 25	4 1	5 42	1 13	13 39	1 43	8 45	0 31	8 37	1 54	32 5	14 48	8 39	8 57	16 56		n.a.
T 20	3 59	15 49	2 35	7 19	2 19	14 13	1 23	24 18	3 57	5 37	1 13	13 41	1 43	8 45	0 31	8 37	1 54	32 5	14 48	8 39	8 58	16 57		n.a.
F 21	3 35	13 4	1 30	7 53	2 24	13 49	1 24	24 11	3 53	5 32	1 13	13 43	1 43	8 44	0 31	8 38	1 54	32 5	14 47	8 39	8 59	16 58		n.a.
S 22	3 11	9 33	0 17	8 25	2 29	13 23	1 25	24 4	3 49	5 26	1 13	13 44	1 43	8 43	0 31	8 39	1 54	32 5	14 47	8 38	9 0	16 59		n.a.
S 23	2 47	5 28	0s58	8 57	2 34	12 58	1 26	23 57	3 45	5 21	1 13	13 46	1 43	8 42	0 31	8 40	1 53	32 5	14 47	8 38	9 2	17 0		n.a.
M24	2 23	0 59	2 11	9 27	2 38	12 31	1 27	23 50	3 41	5 16	1 13	13 48	1 42	8 42	0 31	8 40	1 53	32 5	14 47	8 39	9 3	17 1		n.a.
T 25	1 59	3n37	3 17	9 56	2 42	12 5	1 28	23 42	3 37	5 11	1 13	13 50	1 42	8 41	0 31	8 41	1 53	32 5	14 46	8 40	9 4	17 2		n.a.
W26	1 35	8 4	4 12	10 23	2 46	11 38	1 29	23 35	3 33	5 5	1 13	13 52	1 42	8 40	0 31	8 42	1 53	32 5	14 46	8 40	9 5	17 3		n.a.
T 27	1 11	12 4	4 51	10 48	2 49	11 11	1 29	23 27	3 29	5 0	1 14	13 54	1 42	8 39	0 31	8 43	1 53	32 5	14 46	8 41	9 6	17 4		n.a.
F 28	0 46	15 20	5 12	11 12	2 51	10 44	1 30	23 19	3 25	4 55	1 14	13 56	1 42	8 38	0 31	8 43	1 53	32 5	14 46	8 42	9 8	17 5		n.a.
S 29	0 22	17 39	5 13	11 33	2 53	10 16	1 31	23 11	3 22	4 50	1 14	13 58	1 42	8 37	0 31	8 44	1 53	32 5	14 46	8 43	9 9	17 6		n.a.
S 30	0s 2	18n51	4s55	11s53	2s54	9n48	1n31	23s 3	3s18	4n45	1n14	14s 0	1n41	8n37	0s31	8s45	1n53	32s 5	14s45	8n43	9n10	17s 7		n.a.

Julian Day Number = 1478775.5, Delta T = 05h24m33s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'55, Lahiri = -13°07'54 Julian Calendar 1 Sept. 665 BCE == Greg. Calendar 25 Aug. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

OCTOBER 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 11 5	1♎ 5'49	12♋33	24♎ 3	10♍ 1	2♒56	21♍13	11♏56	23°R 1	26♎56	10°R 5	7♍55	6♍40	9♐44	n.a.	M 1
T 2	0 15 2	2° 6'10	26°24	24°42	11°16	3°16	21°26	12° 2	22♈59	26°58	10♒ 5	7°56	6°37	9°50	n.a.	T 2
W 3	0 18 58	3° 6'34	10♌ 3	25°15	12°31	3°36	21°39	12° 8	22°57	27° 0	10° 4	7°58	6°34	9°57	n.a.	W 3
T 4	0 22 55	4° 6'59	23°30	25°42	13°46	3°57	21°52	12°14	22°54	27° 2	10° 3	7°59	6°31	10° 4	n.a.	T 4
F 5	0 26 52	5° 7'27	6♍45	26° 2	15° 1	4°18	22° 5	12°20	22°52	27° 4	10° 3	8°R 0	6°28	10°10	n.a.	F 5
S 6	0 30 48	6° 7'57	19°47	26°15	16°16	4°40	22°18	12°26	22°50	27° 6	10° 2	7°59	6°24	10°17	n.a.	S 6
S 7	0 34 45	7° 8'28	2♎37	26°R19	17°32	5° 2	22°31	12°32	22°47	27° 8	10° 1	7°57	6°21	10°24	n.a.	S 7
M 8	0 38 41	8° 9'01	15°15	26°15	18°47	5°24	22°44	12°39	22°45	27°11	10° 1	7°54	6°18	10°31	n.a.	M 8
T 9	0 42 38	9° 9'36	27°41	26° 1	20° 2	5°47	22°57	12°45	22°42	27°13	10° 0	7°49	6°15	10°37	n.a.	T 9
W10	0 46 34	10°10'12	9♏56	25°37	21°17	6°10	23°10	12°51	22°40	27°15	10° 0	7°43	6°12	10°44	n.a.	W10
T 11	0 50 31	11°10'50	22° 0	25° 3	22°33	6°34	23°22	12°57	22°37	27°17	9°59	7°36	6° 9	10°51	n.a.	T 11
F 12	0 54 27	12°11'29	3♐57	24°19	23°48	6°58	23°35	13° 4	22°35	27°19	9°59	7°31	6° 5	10°57	n.a.	F 12
S 13	0 58 24	13°12'10	15°49	23°24	25° 3	7°23	23°48	13°10	22°33	27°21	9°58	7°26	6° 2	11° 4	n.a.	S 13
S 14	1 2 20	14°12'52	27°40	22°21	26°19	7°48	24° 1	13°16	22°30	27°24	9°58	7°23	5°59	11°11	n.a.	S 14
M15	1 6 17	15°13'36	9♑35	21°10	27°34	8°13	24°14	13°23	22°28	27°26	9°58	7°21	5°56	11°18	n.a.	M15
T 16	1 10 14	16°14'20	21°38	19°53	28°49	8°38	24°26	13°29	22°25	27°28	9°57	7°D21	5°53	11°24	n.a.	T 16
W17	1 14 10	17°15'06	3♒54	18°33	0♎ 5	9° 4	24°39	13°36	22°23	27°30	9°57	7°22	5°49	11°31	n.a.	W17
T 18	1 18 7	18°15'53	16°28	17°11	1°20	9°31	24°52	13°42	22°20	27°33	9°56	7°24	5°46	11°38	n.a.	T 18
F 19	1 22 3	19°16'41	29°24	15°51	2°36	9°57	25° 4	13°49	22°18	27°35	9°56	7°25	5°43	11°45	n.a.	F 19
S 20	1 26 0	20°17'31	12♓45	14°36	3°51	10°24	25°17	13°56	22°15	27°37	9°56	7°R25	5°40	11°51	n.a.	S 20
S 21	1 29 56	21°18'21	26°34	13°27	5° 7	10°51	25°29	14° 2	22°12	27°39	9°56	7°24	5°37	11°58	n.a.	S 21
M22	1 33 53	22°19'13	10♈47	12°26	6°22	11°19	25°42	14° 9	22°10	27°42	9°55	7°20	5°34	12° 5	n.a.	M22
T 23	1 37 49	23°20'05	25°22	11°36	7°37	11°47	25°54	14°16	22° 7	27°44	9°55	7°14	5°30	12°11	n.a.	T 23
W24	1 41 46	24°20'59	10♉12	10°58	8°53	12°15	26° 7	14°22	22° 5	27°46	9°55	7° 7	5°27	12°18	n.a.	W24
T 25	1 45 43	25°21'55	25° 8	10°30	10° 8	12°43	26°19	14°29	22° 2	27°48	9°55	6°59	5°24	12°25	n.a.	T 25
F 26	1 49 39	26°22'52	10♊ 1	10°15	11°24	13°12	26°31	14°36	22° 0	27°51	9°55	6°52	5°21	12°32	n.a.	F 26
S 27	1 53 36	27°23'50	24°43	10°D10	12°39	13°41	26°44	14°43	21°57	27°53	9°55	6°46	5°18	12°38	n.a.	S 27
S 28	1 57 32	28°24'50	9♋ 9	10°16	13°55	14°10	26°56	14°49	21°55	27°55	9°54	6°42	5°15	12°45	n.a.	S 28
M29	2 1 29	29°25'51	23°15	10°32	15°11	14°39	27° 8	14°56	21°52	27°57	9°54	6°40	5°11	12°52	n.a.	M29
T 30	2 5 25	0♏26'54	7♌ 1	10°57	16°26	15° 9	27°20	15° 3	21°50	28° 0	9°54	6°D40	5° 8	12°59	n.a.	T 30
W31	2 9 22	1♏27'58	20♌27	11♎31	17♎42	15♒39	27♍32	15♏10	21♈47	28♎ 2	9°D54	6♍41	5♍ 5	13♐ 5	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s27	18n52	4s19	12s10	2s55	9n20	1n32	22s55	3s14	4n39	1n14	14s 1	1n41	8n36	0s31	8s46	1n53	32s 5	14s45	8n43	9n11	17s 8			n.a.
T 2	0 51	17 45	3 29	12 24	2 54	8 51	1 32	22 47	3 10	4 34	1 14	14 3	1 41	8 35	0 31	8 46	1 53	32 5	14 45	8 43	9 12	17 9			n.a.
W 3	1 15	15 36	2 28	12 35	2 53	8 22	1 32	22 38	3 7	4 29	1 14	14 5	1 41	8 34	0 31	8 47	1 53	32 5	14 45	8 42	9 14	17 10			n.a.
T 4	1 39	12 38	1 19	12 43	2 51	7 53	1 32	22 30	3 3	4 24	1 14	14 7	1 41	8 33	0 31	8 48	1 53	32 5	14 44	8 41	9 15	17 11			n.a.
F 5	2 4	9 3	0 7	12 47	2 47	7 24	1 32	22 21	3 0	4 19	1 14	14 9	1 41	8 32	0 31	8 49	1 53	32 5	14 44	8 41	9 16	17 12			n.a.
S 6	2 28	5 5	1n 4	12 47	2 43	6 54	1 33	22 13	2 56	4 13	1 14	14 11	1 41	8 31	0 31	8 50	1 53	32 5	14 44	8 41	9 17	17 13			n.a.
S 7	2 52	0 56	2 11	12 43	2 36	6 25	1 32	22 4	2 53	4 8	1 14	14 13	1 40	8 30	0 31	8 50	1 53	32 5	14 44	8 42	9 18	17 14			n.a.
M 8	3 17	3s11	3 10	12 34	2 29	5 55	1 32	21 55	2 49	4 3	1 14	14 15	1 40	8 30	0 31	8 51	1 53	32 5	14 43	8 44	9 19	17 15			n.a.
T 9	3 41	7 5	3 59	12 21	2 20	5 25	1 32	21 46	2 46	3 58	1 14	14 17	1 40	8 29	0 31	8 52	1 53	32 5	14 43	8 45	9 21	17 16			n.a.
W10	4 5	10 38	4 36	12 2	2 9	4 54	1 32	21 37	2 43	3 53	1 14	14 19	1 40	8 28	0 31	8 53	1 53	32 5	14 43	8 48	9 22	17 17			n.a.
T 11	4 29	13 42	5 0	11 37	1 56	4 24	1 32	21 27	2 39	3 48	1 14	14 22	1 40	8 27	0 31	8 54	1 53	32 5	14 42	8 50	9 23	17 18			n.a.
F 12	4 53	16 9	5 10	11 7	1 41	3 53	1 31	21 18	2 36	3 43	1 14	14 24	1 40	8 26	0 31	8 54	1 53	32 5	14 42	8 52	9 24	17 19			n.a.
S 13	5 17	17 54	5 8	10 32	1 25	3 23	1 31	21 9	2 33	3 37	1 14	14 26	1 40	8 25	0 31	8 55	1 53	32 4	14 42	8 54	9 25	17 20			n.a.
S 14	5 41	18 53	4 52	9 52	1 8	2 52	1 30	20 59	2 30	3 32	1 14	14 28	1 40	8 24	0 31	8 56	1 53	32 4	14 42	8 55	9 27	17 21			n.a.
M15	6 5	19 3	4 23	9 7	0 49	2 21	1 30	20 49	2 27	3 27	1 14	14 30	1 39	8 23	0 31	8 57	1 53	32 4	14 41	8 56	9 28	17 22			n.a.
T 16	6 28	18 20	3 43	8 19	0 29	1 50	1 29	20 39	2 24	3 22	1 14	14 32	1 39	8 22	0 31	8 58	1 53	32 4	14 41	8 56	9 29	17 23			n.a.
W17	6 52	16 46	2 52	7 29	0 8	1 19	1 29	20 30	2 21	3 17	1 14	14 34	1 39	8 21	0 31	8 59	1 53	32 4	14 41	8 55	9 30	17 24			n.a.
T 18	7 15	14 21	1 51	6 39	0n13	0 48	1 28	20 20	2 18	3 12	1 14	14 36	1 39	8 20	0 31	8 59	1 53	32 4	14 40	8 55	9 31	17 25			n.a.
F 19	7 39	11 10	0 43	5 49	0 33	0 17	1 27	20 9	2 15	3 7	1 14	14 38	1 39	8 19	0 31	9 0	1 53	32 3	14 40	8 54	9 33	17 26			n.a.
S 20	8 2	7 18	0s29	5 2	0 52	0s14	1 26	19 59	2 12	3 2	1 14	14 40	1 39	8 18	0 31	9 1	1 53	32 3	14 40	8 54	9 34	17 27			n.a.
S 21	8 25	2 56	1 42	4 18	1 11	0 46	1 25	19 49	2 9	2 57	1 15	14 42	1 39	8 17	0 31	9 2	1 53	32 3	14 39	8 55	9 35	17 28			n.a.
M22	8 48	1n43	2 50	3 39	1 27	1 17	1 24	19 38	2 6	2 52	1 15	14 44	1 39	8 16	0 31	9 3	1 53	32 3	14 39	8 56	9 36	17 29			n.a.
T 23	9 11	6 23	3 49	3 5	1 42	1 48	1 23	19 28	2 3	2 47	1 15	14 46	1 38	8 16	0 31	9 3	1 53	32 3	14 39	8 58	9 37	17 30			n.a.
W24	9 34	10 45	4 34	2 38	1 55	2 19	1 22	19 17	2 0	2 42	1 15	14 49	1 38	8 15	0 31	9 4	1 53	32 2	14 39	9 1	9 38	17 31			n.a.
T 25	9 57	14 27	5 1	2 17	2 6	2 50	1 21	19 6	1 58	2 38	1 15	14 51	1 38	8 14	0 31	9 5	1 53	32 2	14 38	9 4	9 40	17 32			n.a.
F 26	10 19	17 12	5 7	2 3	2 15	3 21	1 19	18 56	1 55	2 33	1 15	14 53	1 38	8 13	0 31	9 6	1 53	32 2	14 38	9 7	9 41	17 33			n.a.
S 27	10 41	18 48	4 52	1 55	2 22	3 52	1 18	18 45	1 52	2 28	1 15	14 55	1 38	8 12	0 31	9 7	1 53	32 2	14 38	9 9	9 42	17 34			n.a.
S 28	11 4	19 8	4 19	1 53	2 27	4 23	1 17	18 33	1 50	2 23	1 15	14 57	1 38	8 11	0 31	9 8	1 53	32 1	14 37	9 11	9 43	17 35			n.a.
M29	11 25	18 16	3 32	1 56	2 30	4 54	1 15	18 22	1 47	2 18	1 15	14 59	1 38	8 10	0 31	9 8	1 53	32 1	14 37	9 11	9 44	17 36			n.a.
T 30	11 47	16 19	2 32	2 4	2 33	5 25	1 14	18 11	1 45	2 13	1 15	15 1	1 38	8 9	0 31	9 9	1 53	32 1	14 37	9 11	9 46	17 37			n.a.
W31	12s 9	13n31	1s26	2s16	2n33	5s56	1n12	18s 0	1s42	2n 9	1n15	15s 3	1n38	8n 8	0s31	9s10	1n53	32s 0	14s36	9n11	9n47	17s38			n.a.

Julian Day Number = 1478805.5, Delta T = 05h24m31s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'51, Lahiri = -13°07'50 Julian Calendar 1 Oct. 665 BCE == Greg. Calendar 24 Sept. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

NOVEMBER 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 13 18	2♏29'03	3♍36	12♎11	18♎57	16♒ 9	27♍44	15♏17	21°R45	28♎ 4	9♒54	6°R42	5♍ 2	13♐12	n.a.	T 1
F 2	2 17 15	3°30'09	16°30	12°58	20°13	16°39	27°56	15°24	21♈42	28° 6	9°54	6♍41	4°59	13°19	n.a.	F 2
S 3	2 21 12	4°31'16	29°12	13°51	21°28	17° 9	28° 8	15°31	21°40	28° 9	9°54	6°39	4°55	13°25	n.a.	S 3
S 4	2 25 8	5°32'25	11♎42	14°49	22°44	17°40	28°20	15°38	21°38	28°11	9°54	6°33	4°52	13°32	n.a.	S 4
M 5	2 29 5	6°33'34	24° 4	15°51	24° 0	18°11	28°31	15°45	21°35	28°13	9°55	6°25	4°49	13°39	n.a.	M 5
T 6	2 33 1	7°34'44	6♏17	16°57	25°15	18°42	28°43	15°52	21°33	28°15	9°55	6°15	4°46	13°46	n.a.	T 6
W 7	2 36 58	8°35'55	18°23	18° 6	26°31	19°14	28°55	15°59	21°30	28°18	9°55	6° 2	4°43	13°52	n.a.	W 7
T 8	2 40 54	9°37'07	0♐23	19°18	27°46	19°45	29° 6	16° 6	21°28	28°20	9°55	5°49	4°40	13°59	n.a.	T 8
F 9	2 44 51	10°38'19	12°17	20°33	29° 2	20°17	29°18	16°13	21°26	28°22	9°55	5°37	4°36	14° 6	n.a.	F 9
S 10	2 48 47	11°39'32	24° 8	21°49	0♏18	20°49	29°29	16°20	21°23	28°24	9°55	5°26	4°33	14°12	n.a.	S 10
S 11	2 52 44	12°40'45	5♑58	23° 8	1°33	21°21	29°40	16°27	21°21	28°26	9°56	5°17	4°30	14°19	n.a.	S 11
M12	2 56 41	13°41'59	17°51	24°28	2°49	21°53	29°51	16°34	21°19	28°29	9°56	5°11	4°27	14°26	n.a.	M12
T 13	3 0 37	14°43'13	29°50	25°50	4° 4	22°26	0♎ 3	16°41	21°16	28°31	9°56	5° 8	4°24	14°33	n.a.	T 13
W14	3 4 34	15°44'27	12♒ 1	27°13	5°20	22°59	0°14	16°48	21°14	28°33	9°57	5°D 7	4°21	14°39	n.a.	W14
T 15	3 8 30	16°45'42	24°29	28°37	6°35	23°31	0°25	16°55	21°12	28°35	9°57	5° 7	4°17	14°46	n.a.	T 15
F 16	3 12 27	17°46'56	7♓18	0♏ 2	7°51	24° 4	0°36	17° 2	21°10	28°37	9°57	5°R 7	4°14	14°53	n.a.	F 16
S 17	3 16 23	18°48'11	20°34	1°27	9° 7	24°37	0°46	17° 9	21° 8	28°40	9°58	5° 6	4°11	15° 0	n.a.	S 17
S 18	3 20 20	19°49'25	4♈20	2°54	10°22	25°11	0°57	17°16	21° 6	28°42	9°58	5° 3	4° 8	15° 6	n.a.	S 18
M19	3 24 17	20°50'40	18°35	4°21	11°38	25°44	1° 8	17°23	21° 3	28°44	9°59	4°57	4° 5	15°13	n.a.	M19
T 20	3 28 13	21°51'55	3♉18	5°49	12°53	26°18	1°18	17°30	21° 1	28°46	9°59	4°49	4° 1	15°20	n.a.	T 20
W21	3 32 10	22°53'10	18°23	7°17	14° 9	26°51	1°29	17°37	20°59	28°48	10° 0	4°38	3°58	15°26	n.a.	W21
T 22	3 36 6	23°54'25	3♊39	8°46	15°24	27°25	1°39	17°44	20°57	28°50	10° 0	4°27	3°55	15°33	n.a.	T 22
F 23	3 40 3	24°55'40	18°55	10°15	16°40	27°59	1°49	17°51	20°55	28°52	10° 1	4°15	3°52	15°40	n.a.	F 23
S 24	3 43 59	25°56'56	4♋ 1	11°45	17°55	28°33	2° 0	17°58	20°53	28°54	10° 1	4° 6	3°49	15°47	n.a.	S 24
S 25	3 47 56	26°58'12	18°47	13°15	19°11	29° 7	2°10	18° 5	20°51	28°56	10° 2	3°59	3°46	15°53	n.a.	S 25
M26	3 51 52	27°59'28	3♌ 7	14°46	20°27	29°41	2°20	18°12	20°50	28°58	10° 3	3°55	3°42	16° 0	n.a.	M26
T 27	3 55 49	29° 0'44	17° 1	16°17	21°42	0♓16	2°30	18°19	20°48	29° 0	10° 3	3°53	3°39	16° 7	n.a.	T 27
W28	3 59 46	0♐ 2'01	0♍29	17°48	22°58	0°50	2°39	18°26	20°46	29° 2	10° 4	3°53	3°36	16°13	n.a.	W28
T 29	4 3 42	1° 3'18	13°33	19°20	24°13	1°25	2°49	18°33	20°44	29° 4	10° 5	3°53	3°33	16°20	n.a.	T 29
F 30	4 7 39	2♐ 4'35	26♍18	20♏52	25♏29	1♓59	2♎59	18♏39	20♈42	29♎ 6	10♒ 5	3♍51	3♍30	16♐27	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s30	10n 4	0s17	2s32	2n33	6s26	1n11	17s48	1s40	2n 4	1n15	15s 5	1n38	8n 7	0s31	9s11	1n53	32s 0	14s36	9n11	9n48	17s39		n.a.
F 2	12 51	6 12	0n52	2 52	2 32	6 57	1 9	17 36	1 37	1 59	1 16	15 8	1 38	8 6	0 31	9 12	1 53	32 0	14 36	9 11	9 49	17 40		n.a.
S 3	13 12	2 7	1 57	3 15	2 29	7 27	1 7	17 25	1 35	1 54	1 16	15 10	1 37	8 5	0 31	9 12	1 53	31 59	14 35	9 12	9 50	17 41		n.a.
S 4	13 33	2s 0	2 56	3 40	2 26	7 57	1 6	17 13	1 32	1 50	1 16	15 12	1 37	8 4	0 31	9 13	1 53	31 59	14 35	9 14	9 51	17 42		n.a.
M 5	13 54	5 59	3 45	4 8	2 22	8 27	1 4	17 1	1 30	1 45	1 16	15 14	1 37	8 3	0 31	9 14	1 53	31 59	14 35	9 17	9 53	17 43		n.a.
T 6	14 14	9 40	4 23	4 38	2 18	8 56	1 2	16 49	1 28	1 41	1 16	15 16	1 37	8 3	0 31	9 15	1 53	31 58	14 34	9 21	9 54	17 43		n.a.
W 7	14 34	12 55	4 48	5 9	2 13	9 26	1 0	16 37	1 26	1 36	1 16	15 18	1 37	8 2	0 30	9 16	1 53	31 58	14 34	9 25	9 55	17 44		n.a.
T 8	14 54	15 37	5 1	5 41	2 8	9 55	0 58	16 25	1 23	1 32	1 16	15 20	1 37	8 1	0 30	9 16	1 53	31 58	14 34	9 30	9 56	17 45		n.a.
F 9	15 13	17 37	5 0	6 15	2 2	10 24	0 56	16 12	1 21	1 27	1 16	15 22	1 37	8 0	0 30	9 17	1 53	31 57	14 33	9 35	9 57	17 46		n.a.
S 10	15 33	18 52	4 47	6 50	1 56	10 53	0 55	16 0	1 19	1 23	1 16	15 24	1 37	7 59	0 30	9 18	1 53	31 57	14 33	9 39	9 58	17 47		n.a.
S 11	15 52	19 18	4 21	7 25	1 50	11 21	0 53	15 47	1 17	1 18	1 17	15 26	1 37	7 58	0 30	9 19	1 53	31 57	14 33	9 42	10 0	17 48		n.a.
M12	16 10	18 53	3 43	8 1	1 43	11 50	0 50	15 35	1 15	1 14	1 17	15 28	1 37	7 57	0 30	9 20	1 53	31 56	14 33	9 44	10 1	17 49		n.a.
T 13	16 29	17 36	2 56	8 37	1 37	12 18	0 48	15 22	1 13	1 9	1 17	15 31	1 37	7 57	0 30	9 20	1 53	31 56	14 32	9 46	10 2	17 50		n.a.
W14	16 47	15 31	1 59	9 14	1 30	12 45	0 46	15 9	1 11	1 5	1 17	15 33	1 37	7 56	0 30	9 21	1 53	31 55	14 32	9 46	10 3	17 51		n.a.
T 15	17 5	12 40	0 56	9 51	1 23	13 13	0 44	14 57	1 8	1 1	1 17	15 35	1 37	7 55	0 30	9 22	1 53	31 55	14 32	9 46	10 4	17 52		n.a.
F 16	17 22	9 8	0s12	10 28	1 16	13 40	0 42	14 44	1 6	0 56	1 17	15 37	1 37	7 54	0 30	9 23	1 53	31 55	14 31	9 46	10 5	17 53		n.a.
S 17	17 39	5 1	1 21	11 5	1 8	14 6	0 40	14 30	1 5	0 52	1 17	15 39	1 37	7 53	0 30	9 23	1 53	31 54	14 31	9 46	10 7	17 54		n.a.
S 18	17 56	0 31	2 28	11 42	1 1	14 32	0 38	14 17	1 3	0 48	1 18	15 41	1 37	7 52	0 30	9 24	1 53	31 54	14 31	9 47	10 8	17 54		n.a.
M19	18 13	4n11	3 28	12 18	0 54	14 58	0 35	14 4	1 1	0 44	1 18	15 43	1 36	7 52	0 30	9 25	1 53	31 53	14 30	9 50	10 9	17 55		n.a.
T 20	18 29	8 46	4 17	12 55	0 47	15 24	0 33	13 51	0 59	0 40	1 18	15 45	1 36	7 51	0 30	9 26	1 53	31 53	14 30	9 53	10 10	17 56		n.a.
W21	18 45	12 55	4 49	13 31	0 39	15 49	0 31	13 37	0 57	0 36	1 18	15 47	1 36	7 50	0 30	9 26	1 53	31 52	14 30	9 57	10 11	17 57		n.a.
T 22	19 1	16 16	5 0	14 7	0 32	16 14	0 29	13 24	0 55	0 32	1 18	15 49	1 36	7 49	0 30	9 27	1 53	31 52	14 29	10 1	10 13	17 58		n.a.
F 23	19 16	18 28	4 51	14 42	0 25	16 38	0 26	13 10	0 53	0 28	1 18	15 51	1 36	7 49	0 30	9 28	1 53	31 52	14 29	10 5	10 14	17 59		n.a.
S 24	19 31	19 22	4 21	15 17	0 18	17 2	0 24	12 57	0 51	0 24	1 18	15 53	1 36	7 48	0 30	9 29	1 53	31 51	14 29	10 8	10 15	18 0		n.a.
S 25	19 45	18 54	3 34	15 52	0 11	17 25	0 22	12 43	0 50	0 20	1 19	15 55	1 36	7 47	0 30	9 29	1 53	31 51	14 29	10 11	10 16	18 1		n.a.
M26	19 59	17 13	2 35	16 26	0 4	17 48	0 19	12 29	0 48	0 16	1 19	15 57	1 36	7 47	0 30	9 30	1 53	31 50	14 28	10 13	10 17	18 1		n.a.
T 27	20 13	14 33	1 28	17 0	0s 3	18 10	0 17	12 15	0 46	0 12	1 19	15 59	1 36	7 46	0 30	9 31	1 53	31 50	14 28	10 13	10 18	18 2		n.a.
W28	20 26	11 11	0 18	17 32	0 10	18 32	0 14	12 1	0 44	0 8	1 19	16 1	1 36	7 45	0 30	9 31	1 53	31 49	14 28	10 13	10 20	18 3		n.a.
T 29	20 39	7 20	0n51	18 5	0 17	18 54	0 12	11 47	0 43	0 4	1 19	16 3	1 36	7 45	0 30	9 32	1 53	31 49	14 27	10 13	10 21	18 4		n.a.
F 30	20s52	3n15	1n55	18s36	0s24	19s14	0n10	11s33	0s41	0n 1	1n19	16s 5	1n36	7n44	0s30	9s33	1n53	31s48	14s27	10n14	10n22	18s 5		n.a.

Julian Day Number = 1478836.5, Delta T = 05h24m30s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'46, Lahiri = -13°07'46 Julian Calendar 1 Nov. 665 BCE == Greg. Calendar 25 Oct. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 665 BCE
geocentric

DECEMBER 665 BCE (-664) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 11 35	3♐ 5'51	8♎47	22♏24	26♏44	2♓34	3♎ 8	18♏46	20°R41	29♎ 8	10♒ 6	3°R48	3♍26	16♐34	n.a.	S 1
S 2	4 15 32	4° 7'08	21° 5	23°57	28° 0	3° 9	3°17	18°53	20♈39	29°10	10° 7	3♍41	3°23	16°40	n.a.	S 2
M 3	4 19 28	5° 8'25	3♏14	25°30	29°15	3°44	3°27	19° 0	20°37	29°12	10° 8	3°32	3°20	16°47	n.a.	M 3
T 4	4 23 25	6° 9'42	15°16	27° 3	0♐31	4°19	3°36	19° 7	20°36	29°14	10° 8	3°19	3°17	16°54	n.a.	T 4
W 5	4 27 21	7°10'58	27°14	28°37	1°46	4°54	3°45	19°14	20°34	29°16	10° 9	3° 5	3°14	17° 0	n.a.	W 5
T 6	4 31 18	8°12'15	9♐ 8	0♐12	3° 2	5°29	3°54	19°20	20°33	29°18	10°10	2°49	3°11	17° 7	n.a.	T 6
F 7	4 35 15	9°13'30	21° 0	1°46	4°17	6° 5	4° 2	19°27	20°31	29°20	10°11	2°34	3° 7	17°14	n.a.	F 7
S 8	4 39 11	10°14'46	2♑51	3°22	5°32	6°40	4°11	19°34	20°30	29°22	10°12	2°21	3° 4	17°21	n.a.	S 8
S 9	4 43 8	11°16'00	14°43	4°57	6°48	7°16	4°20	19°41	20°29	29°23	10°13	2°10	3° 1	17°27	n.a.	S 9
M10	4 47 4	12°17'14	26°38	6°33	8° 3	7°51	4°28	19°47	20°27	29°25	10°14	2° 2	2°58	17°34	n.a.	M10
T 11	4 51 1	13°18'27	8♒39	8°10	9°19	8°27	4°36	19°54	20°26	29°27	10°15	1°57	2°55	17°41	n.a.	T 11
W12	4 54 57	14°19'40	20°50	9°47	10°34	9° 3	4°45	20° 1	20°25	29°29	10°16	1°55	2°52	17°48	n.a.	W12
T 13	4 58 54	15°20'51	3♓14	11°24	11°50	9°39	4°53	20° 7	20°24	29°31	10°17	1°D55	2°48	17°54	n.a.	T 13
F 14	5 2 51	16°22'01	15°58	13° 2	13° 5	10°14	5° 0	20°14	20°23	29°32	10°18	1°R55	2°45	18° 1	n.a.	F 14
S 15	5 6 47	17°23'10	29° 6	14°41	14°20	10°50	5° 8	20°20	20°22	29°34	10°19	1°54	2°42	18° 8	n.a.	S 15
S 16	5 10 44	18°24'19	12♈41	16°20	15°36	11°26	5°16	20°27	20°21	29°36	10°20	1°52	2°39	18°14	n.a.	S 16
M17	5 14 40	19°25'26	26°46	18° 0	16°51	12° 3	5°23	20°33	20°20	29°37	10°21	1°47	2°36	18°21	n.a.	M17
T 18	5 18 37	20°26'32	11♉20	19°40	18° 6	12°39	5°31	20°40	20°19	29°39	10°22	1°40	2°32	18°28	n.a.	T 18
W19	5 22 33	21°27'37	26°19	21°21	19°22	13°15	5°38	20°46	20°18	29°40	10°23	1°30	2°29	18°35	n.a.	W19
T 20	5 26 30	22°28'41	11♊35	23° 2	20°37	13°51	5°45	20°53	20°17	29°42	10°24	1°20	2°26	18°41	n.a.	T 20
F 21	5 30 26	23°29'44	26°58	24°44	21°52	14°28	5°52	20°59	20°16	29°43	10°25	1° 9	2°23	18°48	n.a.	F 21
S 22	5 34 23	24°30'45	12♋14	26°27	23° 8	15° 4	5°59	21° 5	20°15	29°45	10°26	1° 0	2°20	18°55	n.a.	S 22
S 23	5 38 20	25°31'47	27°15	28°10	24°23	15°40	6° 5	21°11	20°15	29°46	10°28	0°54	2°17	19° 1	n.a.	S 23
M24	5 42 16	26°32'47	11♌51	29°54	25°38	16°17	6°12	21°17	20°14	29°48	10°29	0°50	2°13	19° 8	n.a.	M24
T 25	5 46 13	27°33'46	25°59	1♑38	26°53	16°53	6°18	21°24	20°14	29°49	10°30	0°D48	2°10	19°15	n.a.	T 25
W26	5 50 9	28°34'44	9♍37	3°23	28° 9	17°30	6°24	21°30	20°13	29°51	10°31	0°49	2° 7	19°22	n.a.	W26
T 27	5 54 6	29°35'41	22°48	5° 9	29°24	18° 6	6°30	21°36	20°13	29°52	10°32	0°49	2° 4	19°28	n.a.	T 27
F 28	5 58 2	0♑36'38	5♎35	6°54	0♑39	18°43	6°36	21°42	20°12	29°53	10°34	0°R49	2° 1	19°35	n.a.	F 28
S 29	6 1 59	1°37'33	18° 3	8°41	1°54	19°20	6°42	21°48	20°12	29°55	10°35	0°48	1°58	19°42	n.a.	S 29
S 30	6 5 55	2°38'28	0♏17	10°27	3°10	19°57	6°48	21°54	20°11	29°56	10°36	0°44	1°54	19°48	n.a.	S 30
M31	6 9 52	3♑39'21	12♏19	12♑14	4♑25	20♓33	6♎53	21♏59	20♈11	29♎57	10♒38	0♍38	1♍51	19♐55	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s 4	0s53	2n53	19s 7	0s30	19s35	0n 7	11s19	0s40	0s 3	1n20	16s 7	1n36	7n43	0s30	9s33	1n53	31s48	14s27	10n15	10n23	18s 6		n.a.
S 2	21 16	4 55	3 41	19 37	0 37	19 55	0 5	11 5	0 38	0 7	1 20	16 9	1 36	7 43	0 30	9 34	1 53	31 47	14 26	10 18	10 24	18 7		n.a.
M 3	21 27	8 42	4 19	20 6	0 43	20 14	0 3	10 50	0 36	0 10	1 20	16 10	1 36	7 42	0 30	9 35	1 53	31 47	14 26	10 21	10 25	18 8		n.a.
T 4	21 38	12 6	4 45	20 34	0 49	20 32	0 0	10 36	0 35	0 14	1 20	16 12	1 36	7 42	0 30	9 35	1 53	31 46	14 26	10 26	10 27	18 8		n.a.
W 5	21 49	14 59	4 58	21 1	0 55	20 50	0s 2	10 22	0 33	0 17	1 20	16 14	1 36	7 41	0 30	9 36	1 53	31 46	14 26	10 31	10 28	18 9		n.a.
T 6	21 59	17 14	4 57	21 28	1 1	21 8	0 5	10 7	0 32	0 21	1 20	16 16	1 36	7 40	0 30	9 37	1 53	31 45	14 25	10 37	10 29	18 10		n.a.
F 7	22 8	18 44	4 44	21 53	1 6	21 25	0 7	9 52	0 30	0 24	1 21	16 18	1 36	7 40	0 30	9 37	1 54	31 45	14 25	10 42	10 30	18 11		n.a.
S 8	22 18	19 26	4 19	22 17	1 12	21 41	0 9	9 38	0 29	0 27	1 21	16 20	1 36	7 39	0 30	9 38	1 54	31 44	14 25	10 47	10 31	18 12		n.a.
S 9	22 27	19 16	3 42	22 41	1 17	21 56	0 12	9 23	0 27	0 30	1 21	16 22	1 36	7 39	0 30	9 39	1 54	31 44	14 25	10 51	10 32	18 13		n.a.
M10	22 35	18 16	2 55	23 3	1 22	22 11	0 14	9 8	0 26	0 34	1 21	16 23	1 36	7 38	0 30	9 39	1 54	31 43	14 24	10 54	10 33	18 13		n.a.
T 11	22 43	16 25	2 0	23 24	1 26	22 26	0 16	8 53	0 24	0 37	1 21	16 25	1 36	7 38	0 30	9 40	1 54	31 43	14 24	10 56	10 35	18 14		n.a.
W12	22 50	13 50	0 58	23 44	1 31	22 39	0 19	8 39	0 23	0 40	1 22	16 27	1 36	7 38	0 30	9 40	1 54	31 42	14 24	10 56	10 36	18 15		n.a.
T 13	22 57	10 34	0s 7	24 2	1 35	22 52	0 21	8 24	0 22	0 43	1 22	16 29	1 36	7 37	0 30	9 41	1 54	31 42	14 24	10 57	10 37	18 16		n.a.
F 14	23 4	6 44	1 14	24 19	1 39	23 4	0 23	8 9	0 20	0 46	1 22	16 31	1 36	7 37	0 30	9 41	1 54	31 41	14 23	10 56	10 38	18 17		n.a.
S 15	23 10	2 29	2 19	24 35	1 43	23 16	0 26	7 54	0 19	0 49	1 22	16 32	1 36	7 36	0 30	9 42	1 54	31 40	14 23	10 57	10 39	18 18		n.a.
S 16	23 16	2n 2	3 18	24 49	1 46	23 27	0 28	7 39	0 18	0 52	1 22	16 34	1 36	7 36	0 30	9 43	1 54	31 40	14 23	10 57	10 40	18 18		n.a.
M17	23 21	6 36	4 8	25 2	1 50	23 37	0 30	7 23	0 16	0 55	1 23	16 36	1 36	7 36	0 30	9 43	1 54	31 39	14 23	10 59	10 42	18 19		n.a.
T 18	23 25	10 57	4 43	25 14	1 52	23 46	0 32	7 8	0 15	0 57	1 23	16 37	1 36	7 35	0 29	9 44	1 54	31 39	14 22	11 2	10 43	18 20		n.a.
W19	23 30	14 43	5 1	25 24	1 55	23 55	0 34	6 53	0 14	1 0	1 23	16 39	1 36	7 35	0 29	9 44	1 54	31 38	14 22	11 5	10 44	18 21		n.a.
T 20	23 33	17 35	4 57	25 32	1 57	24 3	0 37	6 38	0 12	1 3	1 23	16 41	1 36	7 35	0 29	9 45	1 54	31 38	14 22	11 9	10 45	18 22		n.a.
F 21	23 37	19 12	4 32	25 39	1 59	24 10	0 39	6 22	0 11	1 5	1 23	16 42	1 36	7 34	0 29	9 45	1 54	31 37	14 22	11 13	10 46	18 22		n.a.
S 22	23 39	19 25	3 48	25 43	2 0	24 16	0 41	6 7	0 10	1 8	1 24	16 44	1 36	7 34	0 29	9 46	1 54	31 37	14 21	11 16	10 47	18 23		n.a.
S 23	23 42	18 15	2 49	25 47	2 1	24 22	0 43	5 52	0 9	1 10	1 24	16 46	1 36	7 34	0 29	9 46	1 54	31 36	14 21	11 18	10 49	18 24		n.a.
M24	23 44	15 53	1 39	25 48	2 2	24 27	0 45	5 36	0 8	1 13	1 24	16 47	1 36	7 34	0 29	9 47	1 54	31 36	14 21	11 20	10 50	18 25		n.a.
T 25	23 45	12 38	0 26	25 47	2 2	24 31	0 47	5 21	0 6	1 15	1 24	16 49	1 36	7 34	0 29	9 47	1 54	31 35	14 21	11 20	10 51	18 26		n.a.
W26	23 46	8 48	0n47	25 45	2 1	24 34	0 49	5 5	0 5	1 17	1 24	16 50	1 36	7 33	0 29	9 47	1 54	31 34	14 21	11 20	10 52	18 26		n.a.
T 27	23 46	4 39	1 55	25 41	2 0	24 37	0 51	4 50	0 4	1 20	1 25	16 52	1 36	7 33	0 29	9 48	1 54	31 34	14 20	11 20	10 53	18 27		n.a.
F 28	23 46	0 25	2 55	25 34	1 59	24 39	0 53	4 34	0 3	1 22	1 25	16 53	1 36	7 33	0 29	9 48	1 54	31 33	14 20	11 20	10 54	18 28		n.a.
S 29	23 46	3s43	3 45	25 26	1 57	24 40	0 54	4 19	0 2	1 24	1 25	16 55	1 36	7 33	0 29	9 49	1 55	31 33	14 20	11 21	10 55	18 29		n.a.
S 30	23 45	7 37	4 23	25 15	1 54	24 40	0 56	4 3	0 1	1 26	1 25	16 56	1 36	7 33	0 29	9 49	1 55	31 32	14 20	11 22	10 57	18 30		n.a.
M31	23s43	11s 9	4n50	25s 3	1s51	24s40	0s58	3s47	0n 0	1s28	1n26	16s58	1n37	7n33	0s29	9s50	1n55	31s32	14s20	11n24	10n58	18s30		n.a.

Julian Day Number = 1478866.5, Delta T = 05h24m28s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'42, Lahiri = -13°07'42 Julian Calendar 1 Dec. 665 BCE == Greg. Calendar 24 Nov. 665 BCE

The year -664 astronomical counting style corresponds to year 665 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

JANUARY 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 13 49	4♉40'13	24♏16	14♉ 1	5♉40	21♓10	6♎58	22♏ 5	20°R11	29♎58	10♒39	0°R29	1♍48	20♐ 2	n.a.	T 1
W 2	6 17 45	5°41'05	6♐ 8	15°48	6°55	21°47	7° 3	22°11	20♈11	29°59	10°40	0♍19	1°45	20° 9	n.a.	W 2
T 3	6 21 42	6°41'55	17°59	17°34	8°10	22°24	7° 8	22°17	20°11	0♏ 1	10°42	0° 7	1°42	20°15	n.a.	T 3
F 4	6 25 38	7°42'43	29°51	19°21	9°25	23° 1	7°13	22°22	20°D11	0° 2	10°43	29♌56	1°38	20°22	n.a.	F 4
S 5	6 29 35	8°43'30	11♉45	21° 6	10°41	23°38	7°18	22°28	20°11	0° 3	10°44	29°47	1°35	20°29	n.a.	S 5
S 6	6 33 31	9°44'16	23°42	22°51	11°56	24°15	7°22	22°33	20°11	0° 4	10°46	29°39	1°32	20°36	n.a.	S 6
M 7	6 37 28	10°45'00	5♒45	24°35	13°11	24°52	7°26	22°39	20°11	0° 5	10°47	29°34	1°29	20°42	n.a.	M 7
T 8	6 41 25	11°45'42	17°54	26°17	14°26	25°29	7°30	22°44	20°11	0° 6	10°48	29°31	1°26	20°49	n.a.	T 8
W 9	6 45 21	12°46'23	0♓13	27°57	15°41	26° 6	7°34	22°50	20°11	0° 7	10°50	29°D30	1°23	20°56	n.a.	W 9
T 10	6 49 18	13°47'02	12°44	29°34	16°56	26°43	7°38	22°55	20°12	0° 8	10°51	29°31	1°19	21° 2	n.a.	T 10
F 11	6 53 14	14°47'39	25°31	1♒ 8	18°11	27°20	7°42	23° 0	20°12	0° 9	10°53	29°32	1°16	21° 9	n.a.	F 11
S 12	6 57 11	15°48'14	8♈37	2°39	19°26	27°58	7°45	23° 5	20°12	0°10	10°54	29°33	1°13	21°16	n.a.	S 12
S 13	7 1 7	16°48'47	22° 5	4° 6	20°41	28°35	7°48	23°10	20°13	0°11	10°56	29°R33	1°10	21°23	n.a.	S 13
M14	7 5 4	17°49'18	5♉58	5°28	21°56	29°12	7°51	23°15	20°13	0°12	10°57	29°32	1° 7	21°29	n.a.	M14
T 15	7 9 0	18°49'47	20°15	6°44	23°11	29°49	7°54	23°20	20°14	0°12	10°59	29°28	1° 4	21°36	n.a.	T 15
W16	7 12 57	19°50'14	4♊56	7°54	24°26	0♈27	7°57	23°25	20°14	0°13	11° 0	29°23	1° 0	21°43	n.a.	W16
T 17	7 16 53	20°50'39	19°54	8°57	25°41	1° 4	7°59	23°30	20°15	0°14	11° 2	29°18	0°57	21°49	n.a.	T 17
F 18	7 20 50	21°51'02	5♋ 2	9°53	26°56	1°41	8° 1	23°35	20°16	0°15	11° 3	29°12	0°54	21°56	n.a.	F 18
S 19	7 24 47	22°51'23	20°10	10°40	28°11	2°19	8° 4	23°40	20°16	0°15	11° 5	29° 7	0°51	22° 3	n.a.	S 19
S 20	7 28 43	23°51'42	5♌ 8	11°19	29°26	2°56	8° 5	23°44	20°17	0°16	11° 6	29° 3	0°48	22°10	n.a.	S 20
M21	7 32 40	24°52'00	19°47	11°49	0♒41	3°33	8° 7	23°49	20°18	0°16	11° 8	29° 1	0°44	22°16	n.a.	M21
T 22	7 36 36	25°52'16	4♍ 2	12° 9	1°55	4°11	8° 9	23°53	20°19	0°17	11° 9	29°D 1	0°41	22°23	n.a.	T 22
W23	7 40 33	26°52'30	17°50	12°20	3°10	4°48	8°10	23°58	20°20	0°17	11°11	29° 2	0°38	22°30	n.a.	W23
T 24	7 44 29	27°52'42	1♎11	12°R21	4°25	5°26	8°11	24° 2	20°21	0°18	11°12	29° 4	0°35	22°36	n.a.	T 24
F 25	7 48 26	28°52'52	14° 6	12°12	5°40	6° 3	8°12	24° 6	20°22	0°18	11°14	29° 5	0°32	22°43	n.a.	F 25
S 26	7 52 22	29°53'01	26°39	11°53	6°55	6°40	8°13	24°10	20°23	0°19	11°15	29°R 6	0°29	22°50	n.a.	S 26
S 27	7 56 19	0♒53'09	8♏56	11°26	8° 9	7°18	8°14	24°14	20°24	0°19	11°17	29° 6	0°25	22°57	n.a.	S 27
M28	8 0 16	1°53'14	20°59	10°51	9°24	7°55	8°14	24°18	20°25	0°20	11°19	29° 4	0°22	23° 3	n.a.	M28
T 29	8 4 12	2°53'18	2♐54	10° 9	10°39	8°33	8°14	24°22	20°27	0°20	11°20	29° 2	0°19	23°10	n.a.	T 29
W30	8 8 9	3°53'20	14°45	9°20	11°54	9°10	8°R15	24°26	20°28	0°20	11°22	28°58	0°16	23°17	n.a.	W30
T 31	8 12 5	4♒53'20	26♐36	8♒26	13♒ 8	9♈48	8♎14	24♏30	20♈29	0♏20	11♒23	28♌54	0♍13	23♐23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s41	14s12	5n 3	24s48	1s48	24s39	1s 0	3s32	0n 1	1s30	1n26	16s59	1n37	7n33	0s29	9s50	1n55	31s31	14s19	11n27	10n59	18s31			n.a.
W 2	23 39	16 39	5 3	24 32	1 43	24 37	1 1	3 16	0 2	1 31	1 26	17 1	1 37	7 33	0 29	9 50	1 55	31 31	14 19	11 31	11 0	18 32			n.a.
T 3	23 36	18 24	4 50	24 13	1 38	24 34	1 3	3 0	0 4	1 33	1 26	17 2	1 37	7 33	0 29	9 51	1 55	31 30	14 19	11 35	11 1	18 33			n.a.
F 4	23 33	19 21	4 25	23 53	1 32	24 30	1 5	2 44	0 5	1 35	1 27	17 4	1 37	7 33	0 29	9 51	1 55	31 29	14 19	11 39	11 2	18 33			n.a.
S 5	23 29	19 28	3 48	23 30	1 26	24 26	1 6	2 29	0 6	1 37	1 27	17 5	1 37	7 33	0 29	9 51	1 55	31 29	14 19	11 42	11 3	18 34			n.a.
S 6	23 25	18 42	3 0	23 6	1 18	24 21	1 8	2 13	0 7	1 38	1 27	17 6	1 37	7 33	0 29	9 52	1 55	31 28	14 19	11 45	11 5	18 35			n.a.
M 7	23 20	17 5	2 4	22 39	1 10	24 15	1 9	1 57	0 8	1 40	1 27	17 8	1 37	7 33	0 29	9 52	1 55	31 28	14 19	11 47	11 6	18 36			n.a.
T 8	23 15	14 42	1 2	22 12	1 1	24 9	1 11	1 41	0 9	1 41	1 27	17 9	1 37	7 33	0 29	9 52	1 55	31 27	14 18	11 48	11 7	18 36			n.a.
W 9	23 9	11 37	0s 4	21 42	0 52	24 2	1 12	1 26	0 9	1 42	1 28	17 10	1 37	7 33	0 29	9 53	1 55	31 27	14 18	11 48	11 8	18 37			n.a.
T 10	23 3	7 58	1 11	21 12	0 41	23 54	1 13	1 10	0 10	1 44	1 28	17 12	1 37	7 33	0 29	9 53	1 55	31 26	14 18	11 48	11 9	18 38			n.a.
F 11	22 56	3 53	2 16	20 40	0 30	23 45	1 14	0 54	0 11	1 45	1 28	17 13	1 37	7 33	0 29	9 53	1 55	31 26	14 18	11 48	11 10	18 39			n.a.
S 12	22 49	0n28	3 16	20 8	0 18	23 35	1 16	0 38	0 12	1 46	1 28	17 14	1 37	7 34	0 29	9 53	1 55	31 25	14 18	11 47	11 12	18 39			n.a.
S 13	22 42	4 55	4 6	19 35	0 5	23 25	1 17	0 22	0 13	1 47	1 29	17 15	1 37	7 34	0 29	9 54	1 55	31 24	14 18	11 47	11 13	18 40			n.a.
M14	22 34	9 13	4 44	19 2	0n 9	23 14	1 18	0 6	0 14	1 48	1 29	17 17	1 37	7 34	0 29	9 54	1 55	31 24	14 18	11 48	11 14	18 41			n.a.
T 15	22 26	13 8	5 6	18 29	0 23	23 3	1 19	0n 9	0 15	1 49	1 29	17 18	1 37	7 34	0 29	9 54	1 55	31 23	14 18	11 49	11 15	18 42			n.a.
W16	22 17	16 21	5 9	17 56	0 38	22 50	1 20	0 25	0 16	1 50	1 29	17 19	1 37	7 35	0 29	9 54	1 56	31 23	14 17	11 51	11 16	18 42			n.a.
T 17	22 8	18 33	4 50	17 25	0 53	22 37	1 21	0 41	0 17	1 50	1 30	17 20	1 37	7 35	0 29	9 55	1 56	31 22	14 17	11 53	11 17	18 43			n.a.
F 18	21 58	19 29	4 12	16 55	1 9	22 24	1 21	0 57	0 18	1 51	1 30	17 21	1 38	7 35	0 28	9 55	1 56	31 22	14 17	11 55	11 18	18 44			n.a.
S 19	21 48	19 0	3 16	16 26	1 25	22 9	1 22	1 13	0 18	1 52	1 30	17 22	1 38	7 35	0 28	9 55	1 56	31 21	14 17	11 57	11 19	18 44			n.a.
S 20	21 38	17 12	2 7	16 0	1 41	21 54	1 23	1 29	0 19	1 52	1 30	17 23	1 38	7 36	0 28	9 55	1 56	31 21	14 17	11 58	11 21	18 45			n.a.
M21	21 27	14 18	0 50	15 37	1 57	21 39	1 24	1 44	0 20	1 53	1 31	17 25	1 38	7 36	0 28	9 55	1 56	31 20	14 17	11 59	11 22	18 46			n.a.
T 22	21 16	10 35	0n27	15 16	2 13	21 22	1 24	2 0	0 21	1 53	1 31	17 26	1 38	7 36	0 28	9 55	1 56	31 20	14 17	11 59	11 23	18 47			n.a.
W23	21 4	6 25	1 41	14 58	2 28	21 5	1 25	2 16	0 22	1 53	1 31	17 27	1 38	7 37	0 28	9 55	1 56	31 19	14 17	11 58	11 24	18 47			n.a.
T 24	20 52	2 4	2 47	14 44	2 43	20 48	1 25	2 32	0 23	1 54	1 31	17 28	1 38	7 37	0 28	9 56	1 56	31 19	14 17	11 58	11 25	18 48			n.a.
F 25	20 40	2s14	3 42	14 33	2 57	20 30	1 26	2 47	0 23	1 54	1 32	17 29	1 38	7 38	0 28	9 56	1 56	31 18	14 17	11 57	11 26	18 49			n.a.
S 26	20 27	6 19	4 25	14 26	3 10	20 11	1 26	3 3	0 24	1 54	1 32	17 29	1 38	7 38	0 28	9 56	1 56	31 18	14 17	11 57	11 27	18 49			n.a.
S 27	20 14	10 2	4 54	14 22	3 21	19 52	1 26	3 19	0 25	1 54	1 32	17 30	1 38	7 39	0 28	9 56	1 56	31 17	14 17	11 57	11 29	18 50			n.a.
M28	20 1	13 16	5 10	14 22	3 31	19 32	1 26	3 35	0 26	1 54	1 32	17 31	1 38	7 39	0 28	9 56	1 56	31 17	14 17	11 57	11 30	18 51			n.a.
T 29	19 47	15 55	5 13	14 26	3 39	19 12	1 26	3 50	0 26	1 54	1 33	17 32	1 38	7 40	0 28	9 56	1 56	31 16	14 17	11 58	11 31	18 51			n.a.
W30	19 33	17 53	5 2	14 33	3 46	18 51	1 27	4 6	0 27	1 54	1 33	17 33	1 39	7 40	0 28	9 56	1 56	31 16	14 17	12 0	11 32	18 52			n.a.
T 31	19s19	19s 6	4n38	14s42	3n50	18s29	1s27	4n22	0n28	1s53	1n33	17s34	1n39	7n41	0s28	9s56	1n56	31s15	14s17	12n 1	11n33	18s53			n.a.

Julian Day Number = 1478897.5, Delta T = 05h24m27s
Ecliptic obliquity = 23°46'22, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'38, Lahiri = -13°07'38 Julian Calendar 1 Jan. 664 BCE == Greg. Calendar 25 Dec. 665 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

FEBRUARY 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 16 2	5♒53'19	8♉29	7°R29	14♒23	10♈25	8°R14	24♏34	20♈31	0♏21	11♒25	28°R49	0♍10	23♐30	n.a.	F 1
S 2	8 19 58	6°53'15	20°28	6♒30	15°38	11° 3	8♎14	24°37	20°32	0°21	11°26	28♌46	0° 6	23°37	n.a.	S 2
S 3	8 23 55	7°53'10	2♒33	5°30	16°52	11°41	8°13	24°41	20°34	0°21	11°28	28°43	0° 3	23°44	n.a.	S 3
M 4	8 27 51	8°53'02	14°47	4°30	18° 7	12°18	8°12	24°44	20°35	0°21	11°30	28°41	29♌59	23°50	n.a.	M 4
T 5	8 31 48	9°52'52	27°11	3°32	19°22	12°56	8°11	24°48	20°37	0°21	11°31	28°D41	29°57	23°57	n.a.	T 5
W 6	8 35 45	10°52'41	9♓46	2°37	20°36	13°33	8°10	24°51	20°38	0°21	11°33	28°41	29°54	24° 4	n.a.	W 6
T 7	8 39 41	11°52'26	22°34	1°46	21°51	14°11	8° 8	24°54	20°40	0°R21	11°34	28°42	29°50	24°10	n.a.	T 7
F 8	8 43 38	12°52'10	5♈35	1° 0	23° 5	14°49	8° 7	24°57	20°42	0°21	11°36	28°43	29°47	24°17	n.a.	F 8
S 9	8 47 34	13°51'51	18°51	0°19	24°20	15°26	8° 5	25° 0	20°43	0°21	11°37	28°44	29°44	24°24	n.a.	S 9
S 10	8 51 31	14°51'30	2♉24	29♉44	25°34	16° 4	8° 3	25° 3	20°45	0°21	11°39	28°45	29°41	24°30	n.a.	S 10
M11	8 55 27	15°51'06	16°13	29°15	26°49	16°41	8° 0	25° 6	20°47	0°21	11°41	28°R46	29°38	24°37	n.a.	M11
T 12	8 59 24	16°50'40	0♊20	28°52	28° 3	17°19	7°58	25° 9	20°49	0°21	11°42	28°45	29°35	24°44	n.a.	T 12
W13	9 3 20	17°50'11	14°42	28°36	29°18	17°57	7°56	25°11	20°51	0°21	11°44	28°45	29°31	24°51	n.a.	W13
T 14	9 7 17	18°49'41	29°16	28°25	0♓32	18°34	7°53	25°14	20°53	0°21	11°45	28°43	29°28	24°57	n.a.	T 14
F 15	9 11 14	19°49'07	13♋58	28°D21	1°46	19°12	7°50	25°16	20°55	0°20	11°47	28°42	29°25	25° 4	n.a.	F 15
S 16	9 15 10	20°48'32	28°41	28°23	3° 1	19°50	7°47	25°19	20°57	0°20	11°49	28°41	29°22	25°11	n.a.	S 16
S 17	9 19 7	21°47'54	13♌19	28°30	4°15	20°27	7°44	25°21	20°59	0°20	11°50	28°41	29°19	25°17	n.a.	S 17
M18	9 23 3	22°47'13	27°44	28°43	5°29	21° 5	7°40	25°23	21° 1	0°19	11°52	28°D41	29°16	25°24	n.a.	M18
T 19	9 27 0	23°46'31	11♍52	29° 1	6°44	21°43	7°36	25°25	21° 3	0°19	11°53	28°41	29°12	25°31	n.a.	T 19
W20	9 30 56	24°45'46	25°39	29°24	7°58	22°20	7°33	25°27	21° 6	0°19	11°55	28°41	29° 9	25°38	n.a.	W20
T 21	9 34 53	25°45'00	9♎ 2	29°52	9°12	22°58	7°29	25°29	21° 8	0°18	11°56	28°41	29° 6	25°44	n.a.	T 21
F 22	9 38 49	26°44'11	22° 2	0♒24	10°26	23°36	7°25	25°31	21°10	0°18	11°58	28°42	29° 3	25°51	n.a.	F 22
S 23	9 42 46	27°43'21	4♏41	1° 0	11°40	24°13	7°20	25°33	21°13	0°17	11°59	28°42	29° 0	25°58	n.a.	S 23
S 24	9 46 42	28°42'29	17° 2	1°40	12°54	24°51	7°16	25°34	21°15	0°17	12° 1	28°R42	28°56	26° 4	n.a.	S 24
M25	9 50 39	29°41'34	29° 9	2°24	14° 9	25°28	7°11	25°36	21°17	0°16	12° 2	28°D42	28°53	26°11	n.a.	M25
T 26	9 54 36	0♓40'38	11♐ 6	3°12	15°23	26° 6	7° 7	25°37	21°20	0°15	12° 4	28°42	28°50	26°18	n.a.	T 26
W27	9 58 32	1°39'40	22°58	4° 3	16°37	26°44	7° 2	25°39	21°22	0°15	12° 5	28°42	28°47	26°25	n.a.	W27
T 28	10 2 29	2♓38'41	4♉49	4♒57	17♓51	27♈21	6♎57	25♏40	21♈25	0♏14	12♒ 7	28♌42	28♌44	26♐31	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s 4	19s28	4n 2	14s55	3n52	18s 7	1s27	4n37	0n29	1s53	1n33	17s35	1n39	7n41	0s28	9s56	1n57	31s15	14s17	12n 3	11n34	18s53		n.a.
S 2	18 49	18 58	3 15	15 10	3 52	17 45	1 26	4 53	0 29	1 53	1 34	17 36	1 39	7 42	0 28	9 56	1 57	31 14	14 17	12 4	11 35	18 54		n.a.
S 3	18 33	17 36	2 19	15 27	3 50	17 22	1 26	5 8	0 30	1 52	1 34	17 36	1 39	7 42	0 28	9 56	1 57	31 14	14 17	12 5	11 37	18 55		n.a.
M 4	18 17	15 25	1 16	15 45	3 46	16 58	1 26	5 24	0 31	1 52	1 34	17 37	1 39	7 43	0 28	9 56	1 57	31 13	14 17	12 6	11 38	18 55		n.a.
T 5	18 1	12 29	0 8	16 4	3 40	16 35	1 26	5 39	0 31	1 51	1 34	17 38	1 39	7 44	0 28	9 56	1 57	31 13	14 17	12 6	11 39	18 56		n.a.
W 6	17 45	8 57	1s 1	16 24	3 32	16 10	1 25	5 55	0 32	1 50	1 35	17 38	1 39	7 44	0 28	9 56	1 57	31 12	14 17	12 6	11 40	18 57		n.a.
T 7	17 28	4 57	2 8	16 44	3 23	15 45	1 25	6 10	0 33	1 49	1 35	17 39	1 39	7 45	0 28	9 56	1 57	31 12	14 17	12 5	11 41	18 57		n.a.
F 8	17 11	0 39	3 10	17 5	3 13	15 20	1 24	6 25	0 33	1 48	1 35	17 40	1 39	7 46	0 28	9 56	1 57	31 11	14 17	12 5	11 42	18 58		n.a.
S 9	16 54	3n45	4 3	17 25	3 1	14 55	1 24	6 41	0 34	1 48	1 35	17 40	1 39	7 46	0 28	9 56	1 57	31 11	14 17	12 4	11 43	18 59		n.a.
S 10	16 36	8 2	4 44	17 44	2 49	14 29	1 23	6 56	0 35	1 47	1 35	17 41	1 40	7 47	0 28	9 56	1 57	31 10	14 17	12 4	11 44	18 59		n.a.
M11	16 18	11 59	5 9	18 3	2 36	14 2	1 23	7 11	0 35	1 45	1 36	17 42	1 40	7 48	0 28	9 56	1 57	31 10	14 17	12 4	11 46	19 0		n.a.
T 12	16 0	15 21	5 17	18 21	2 22	13 36	1 22	7 27	0 36	1 44	1 36	17 42	1 40	7 49	0 28	9 55	1 57	31 10	14 17	12 4	11 47	19 1		n.a.
W13	15 42	17 50	5 5	18 38	2 8	13 9	1 21	7 42	0 36	1 43	1 36	17 43	1 40	7 49	0 28	9 55	1 57	31 9	14 17	12 4	11 48	19 1		n.a.
T 14	15 23	19 13	4 33	18 54	1 54	12 41	1 20	7 57	0 37	1 42	1 36	17 43	1 40	7 50	0 28	9 55	1 57	31 9	14 17	12 5	11 49	19 2		n.a.
F 15	15 5	19 20	3 43	19 9	1 40	12 13	1 19	8 12	0 38	1 40	1 37	17 44	1 40	7 51	0 28	9 55	1 57	31 8	14 17	12 5	11 50	19 3		n.a.
S 16	14 45	18 7	2 39	19 22	1 26	11 45	1 18	8 27	0 38	1 39	1 37	17 44	1 40	7 52	0 28	9 55	1 57	31 8	14 17	12 6	11 51	19 3		n.a.
S 17	14 26	15 43	1 24	19 35	1 12	11 17	1 17	8 42	0 39	1 38	1 37	17 45	1 40	7 53	0 28	9 55	1 58	31 7	14 17	12 6	11 52	19 4		n.a.
M18	14 7	12 21	0 5	19 46	0 58	10 48	1 16	8 57	0 39	1 36	1 37	17 45	1 40	7 53	0 28	9 55	1 58	31 7	14 17	12 6	11 53	19 4		n.a.
T 19	13 47	8 19	1n13	19 55	0 44	10 19	1 15	9 11	0 40	1 34	1 37	17 46	1 41	7 54	0 28	9 54	1 58	31 7	14 17	12 6	11 55	19 5		n.a.
W20	13 27	3 57	2 24	20 3	0 31	9 50	1 14	9 26	0 40	1 33	1 38	17 46	1 41	7 55	0 27	9 54	1 58	31 6	14 17	12 6	11 56	19 6		n.a.
T 21	13 7	0s29	3 26	20 10	0 18	9 21	1 12	9 41	0 41	1 31	1 38	17 46	1 41	7 56	0 27	9 54	1 58	31 6	14 18	12 6	11 57	19 6		n.a.
F 22	12 46	4 46	4 15	20 15	0 6	8 51	1 11	9 56	0 42	1 29	1 38	17 47	1 41	7 57	0 27	9 54	1 58	31 6	14 18	12 5	11 58	19 7		n.a.
S 23	12 26	8 43	4 50	20 19	0s 6	8 21	1 10	10 10	0 42	1 27	1 38	17 47	1 41	7 58	0 27	9 54	1 58	31 5	14 18	12 5	11 59	19 7		n.a.
S 24	12 5	12 11	5 11	20 21	0 18	7 51	1 8	10 25	0 43	1 25	1 38	17 47	1 41	7 59	0 27	9 53	1 58	31 5	14 18	12 5	12 0	19 8		n.a.
M25	11 44	15 5	5 17	20 22	0 29	7 21	1 7	10 39	0 43	1 23	1 38	17 47	1 41	8 0	0 27	9 53	1 58	31 4	14 18	12 5	12 1	19 9		n.a.
T 26	11 23	17 18	5 10	20 21	0 40	6 50	1 5	10 54	0 44	1 21	1 39	17 48	1 41	8 1	0 27	9 53	1 58	31 4	14 18	12 5	12 2	19 9		n.a.
W27	11 2	18 46	4 49	20 19	0 50	6 20	1 3	11 8	0 44	1 19	1 39	17 48	1 41	8 2	0 27	9 53	1 58	31 4	14 18	12 5	12 4	19 10		n.a.
T 28	10s40	19s25	4n17	20s15	1s 0	5s49	1s 2	11n22	0n45	1s17	1n39	17s48	1n41	8n 3	0s27	9s52	1n58	31s 3	14s18	12n 5	12n 5	19s10		n.a.

Julian Day Number = 1478928.5, Delta T = 05h24m25s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'34, Lahiri = -13°07'33 Julian Calendar 1 Feb. 664 BCE == Greg. Calendar 25 Jan. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

MARCH 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 6 25	3♓37'39	16♉45	5♒54	19♓ 5	27♈59	6°R51	25♏41	21♈28	0°R14	12♒ 8	28♌43	28♌41	26♐38	n.a.	F 1
S 2	10 10 22	4°36'35	28°47	6°54	20°19	28°37	6♎46	25°42	21°30	0♏13	12°10	28°44	28°37	26°45	n.a.	S 2
S 3	10 14 18	5°35'30	11♒ 1	7°56	21°33	29°14	6°41	25°43	21°33	0°12	12°11	28°44	28°34	26°51	n.a.	S 3
M 4	10 18 15	6°34'22	23°27	9° 2	22°47	29°52	6°35	25°44	21°35	0°11	12°13	28°R44	28°31	26°58	n.a.	M 4
T 5	10 22 11	7°33'12	6♓ 8	10° 9	24° 1	0♉30	6°29	25°45	21°38	0°11	12°14	28°44	28°28	27° 5	n.a.	T 5
W 6	10 26 8	8°32'00	19° 3	11°19	25°14	1° 7	6°23	25°45	21°41	0°10	12°16	28°44	28°25	27°12	n.a.	W 6
T 7	10 30 4	9°30'46	2♈14	12°31	26°28	1°45	6°17	25°46	21°44	0° 9	12°17	28°43	28°21	27°18	n.a.	T 7
F 8	10 34 1	10°29'30	15°39	13°46	27°42	2°23	6°11	25°46	21°46	0° 8	12°19	28°41	28°18	27°25	n.a.	F 8
S 9	10 37 58	11°28'11	29°17	15° 2	28°56	3° 0	6° 5	25°47	21°49	0° 7	12°20	28°40	28°15	27°32	n.a.	S 9
S 10	10 41 54	12°26'50	13♉ 6	16°21	0♈10	3°38	5°59	25°47	21°52	0° 6	12°22	28°38	28°12	27°38	n.a.	S 10
M11	10 45 51	13°25'27	27° 4	17°41	1°23	4°16	5°52	25°47	21°55	0° 5	12°23	28°37	28° 9	27°45	n.a.	M11
T 12	10 49 47	14°24'02	11♊11	19° 4	2°37	4°53	5°46	25°R47	21°58	0° 4	12°24	28°D37	28° 6	27°52	n.a.	T 12
W13	10 53 44	15°22'34	25°24	20°28	3°51	5°31	5°39	25°47	22° 1	0° 3	12°26	28°37	28° 2	27°58	n.a.	W13
T 14	10 57 40	16°21'04	9♋40	21°54	5° 4	6° 9	5°32	25°47	22° 4	0° 2	12°27	28°38	27°59	28° 5	n.a.	T 14
F 15	11 1 37	17°19'32	23°57	23°22	6°18	6°46	5°25	25°47	22° 7	0° 1	12°28	28°39	27°56	28°12	n.a.	F 15
S 16	11 5 33	18°17'57	8♌12	24°52	7°32	7°24	5°18	25°46	22°10	29♎59	12°30	28°40	27°53	28°19	n.a.	S 16
S 17	11 9 30	19°16'20	22°21	26°24	8°45	8° 2	5°11	25°46	22°13	29°59	12°31	28°R41	27°50	28°25	n.a.	S 17
M18	11 13 27	20°14'41	6♍22	27°57	9°59	8°39	5° 4	25°45	22°16	29°58	12°32	28°41	27°47	28°32	n.a.	M18
T 19	11 17 23	21°13'00	20°10	29°32	11°12	9°17	4°57	25°45	22°19	29°57	12°34	28°40	27°43	28°39	n.a.	T 19
W20	11 21 20	22°11'17	3♎43	1♓ 9	12°25	9°55	4°50	25°44	22°22	29°55	12°35	28°37	27°40	28°45	n.a.	W20
T 21	11 25 16	23° 9'32	16°58	2°48	13°39	10°32	4°42	25°43	22°25	29°54	12°36	28°34	27°37	28°52	n.a.	T 21
F 22	11 29 13	24° 7'45	29°54	4°28	14°52	11°10	4°35	25°42	22°28	29°53	12°37	28°30	27°34	28°59	n.a.	F 22
S 23	11 33 9	25° 5'57	12♏32	6°10	16° 6	11°48	4°28	25°41	22°32	29°52	12°39	28°26	27°31	29° 5	n.a.	S 23
S 24	11 37 6	26° 4'07	24°54	7°54	17°19	12°25	4°20	25°40	22°35	29°51	12°40	28°22	27°27	29°12	n.a.	S 24
M25	11 41 2	27° 2'15	7♐ 2	9°39	18°32	13° 3	4°13	25°39	22°38	29°49	12°41	28°19	27°24	29°19	n.a.	M25
T 26	11 44 59	28° 0'22	19° 0	11°27	19°45	13°40	4° 5	25°38	22°41	29°48	12°42	28°18	27°21	29°26	n.a.	T 26
W27	11 48 55	28°58'28	0♑53	13°16	20°58	14°18	3°58	25°36	22°44	29°47	12°44	28°D17	27°18	29°32	n.a.	W27
T 28	11 52 52	29°56'31	12°45	15° 7	22°12	14°56	3°50	25°35	22°48	29°45	12°45	28°18	27°15	29°39	n.a.	T 28
F 29	11 56 49	0♈54'34	24°41	16°59	23°25	15°33	3°42	25°33	22°51	29°44	12°46	28°20	27°12	29°46	n.a.	F 29
S 30	12 0 45	1°52'34	6♒46	18°54	24°38	16°11	3°35	25°32	22°54	29°43	12°47	28°21	27° 8	29°52	n.a.	S 30
S 31	12 4 42	2♈50'34	19♒ 5	20♓50	25♈51	16♉48	3♎27	25♏30	22♈58	29♎41	12♒48	28♌23	27♌ 5	29♐59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s19	19s12	3n33	20s10	1s 9	5s18	1s 0	11n36	0n45	1s15	1n39	17s48	1n42	8n 4	0s27	9s52	1n58	31s 3	14s19	12n 5	12n 6	19s11		n.a.
S 2	9 57	18 6	2 39	20 3	1 18	4 47	0 58	11 50	0 46	1 12	1 39	17 48	1 42	8 5	0 27	9 52	1 58	31 3	14 19	12 5	12 7	19 12		n.a.
S 3	9 35	16 10	1 37	19 55	1 26	4 15	0 56	12 4	0 46	1 10	1 39	17 49	1 42	8 6	0 27	9 51	1 58	31 3	14 19	12 5	12 8	19 12		n.a.
M 4	9 13	13 26	0 29	19 45	1 33	3 44	0 54	12 18	0 47	1 8	1 40	17 49	1 42	8 7	0 27	9 51	1 58	31 2	14 19	12 4	12 9	19 13		n.a.
T 5	8 51	10 1	0s41	19 34	1 41	3 13	0 52	12 32	0 47	1 5	1 40	17 49	1 42	8 8	0 27	9 51	1 58	31 2	14 19	12 4	12 10	19 13		n.a.
W 6	8 29	6 5	1 50	19 20	1 47	2 41	0 51	12 46	0 48	1 3	1 40	17 49	1 42	8 9	0 27	9 50	1 58	31 2	14 19	12 5	12 11	19 14		n.a.
T 7	8 7	1 46	2 55	19 6	1 54	2 10	0 48	13 0	0 48	1 0	1 40	17 49	1 42	8 10	0 27	9 50	1 59	31 1	14 20	12 5	12 13	19 14		n.a.
F 8	7 44	2n41	3 51	18 49	1 59	1 38	0 46	13 13	0 48	0 58	1 40	17 49	1 42	8 11	0 27	9 50	1 59	31 1	14 20	12 6	12 14	19 15		n.a.
S 9	7 22	7 5	4 36	18 32	2 4	1 6	0 44	13 27	0 49	0 55	1 40	17 49	1 42	8 12	0 27	9 49	1 59	31 1	14 20	12 6	12 15	19 16		n.a.
S 10	6 59	11 9	5 5	18 12	2 9	0 35	0 42	13 40	0 49	0 52	1 40	17 49	1 43	8 13	0 27	9 49	1 59	31 1	14 20	12 7	12 16	19 16		n.a.
M11	6 36	14 39	5 16	17 51	2 13	0 3	0 40	13 54	0 50	0 50	1 40	17 49	1 43	8 14	0 27	9 49	1 59	31 0	14 20	12 7	12 17	19 17		n.a.
T 12	6 13	17 20	5 9	17 28	2 17	0n29	0 38	14 7	0 50	0 47	1 40	17 49	1 43	8 15	0 27	9 48	1 59	31 0	14 20	12 7	12 18	19 17		n.a.
W13	5 50	18 59	4 42	17 4	2 20	1 1	0 35	14 20	0 51	0 44	1 41	17 48	1 43	8 16	0 27	9 48	1 59	31 0	14 21	12 7	12 19	19 18		n.a.
T 14	5 28	19 27	3 59	16 38	2 22	1 32	0 33	14 33	0 51	0 42	1 41	17 48	1 43	8 18	0 27	9 47	1 59	31 0	14 21	12 7	12 20	19 18		n.a.
F 15	5 4	18 40	3 0	16 11	2 24	2 4	0 31	14 46	0 51	0 39	1 41	17 48	1 43	8 19	0 27	9 47	1 59	30 59	14 21	12 6	12 21	19 19		n.a.
S 16	4 41	16 41	1 51	15 42	2 26	2 36	0 28	14 59	0 52	0 36	1 41	17 48	1 43	8 20	0 27	9 46	1 59	30 59	14 21	12 6	12 23	19 19		n.a.
S 17	4 18	13 42	0 35	15 11	2 27	3 7	0 26	15 12	0 52	0 33	1 41	17 48	1 43	8 21	0 27	9 46	1 59	30 59	14 22	12 6	12 24	19 20		n.a.
M18	3 55	9 57	0n42	14 39	2 27	3 39	0 24	15 25	0 53	0 30	1 41	17 48	1 43	8 22	0 27	9 46	1 59	30 59	14 22	12 6	12 25	19 20		n.a.
T 19	3 32	5 43	1 56	14 5	2 27	4 10	0 21	15 37	0 53	0 27	1 41	17 47	1 43	8 23	0 27	9 45	1 59	30 59	14 22	12 6	12 26	19 21		n.a.
W20	3 8	1 16	3 1	13 29	2 26	4 41	0 19	15 50	0 53	0 24	1 41	17 47	1 44	8 25	0 27	9 45	1 59	30 58	14 22	12 7	12 27	19 21		n.a.
T 21	2 45	3s 9	3 55	12 52	2 25	5 13	0 16	16 2	0 54	0 21	1 41	17 47	1 44	8 26	0 27	9 44	1 59	30 58	14 22	12 8	12 28	19 22		n.a.
F 22	2 22	7 18	4 36	12 14	2 23	5 44	0 13	16 15	0 54	0 18	1 41	17 47	1 44	8 27	0 27	9 44	1 59	30 58	14 23	12 10	12 29	19 23		n.a.
S 23	1 58	11 2	5 2	11 33	2 21	6 15	0 11	16 27	0 54	0 15	1 41	17 46	1 44	8 28	0 27	9 43	1 59	30 58	14 23	12 11	12 30	19 23		n.a.
S 24	1 35	14 12	5 13	10 51	2 18	6 46	0 8	16 39	0 55	0 12	1 41	17 46	1 44	8 29	0 27	9 43	1 59	30 58	14 23	12 12	12 31	19 24		n.a.
M25	1 12	16 42	5 10	10 8	2 15	7 16	0 6	16 51	0 55	0 9	1 41	17 45	1 44	8 31	0 27	9 42	1 59	30 58	14 23	12 13	12 33	19 24		n.a.
T 26	0 48	18 26	4 53	9 23	2 11	7 47	0 3	17 3	0 56	0 6	1 41	17 45	1 44	8 32	0 27	9 42	1 59	30 58	14 24	12 14	12 34	19 25		n.a.
W27	0 25	19 22	4 24	8 37	2 7	8 17	0 0	17 14	0 56	0 3	1 41	17 45	1 44	8 33	0 27	9 41	1 59	30 58	14 24	12 14	12 35	19 25		n.a.
T 28	0 1	19 26	3 44	7 49	2 2	8 48	0n 2	17 26	0 56	0 0	1 41	17 44	1 44	8 34	0 27	9 41	1 59	30 57	14 24	12 14	12 36	19 26		n.a.
F 29	0n22	18 38	2 54	6 59	1 56	9 18	0 5	17 38	0 57	0n 3	1 41	17 44	1 44	8 36	0 27	9 40	1 59	30 57	14 25	12 13	12 37	19 26		n.a.
S 30	0 45	16 59	1 55	6 8	1 50	9 47	0 8	17 49	0 57	0 6	1 41	17 43	1 44	8 37	0 27	9 40	1 59	30 57	14 25	12 13	12 38	19 26		n.a.
S 31	1n 9	14s31	0n51	5s16	1s44	10n17	0n10	18n 0	0n57	0n 9	1n41	17s43	1n44	8n38	0s27	9s39	1n59	30s57	14s25	12n12	12n39	19s27		n.a.

Julian Day Number = 1478956.5, Delta T = 05h24m24s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'30, Lahiri = -13°07'30 Julian Calendar 1 March 664 BCE == Greg. Calendar 22 Feb. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

APRIL 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 8 38	3♈48'31	1♓40	22♓48	27♈ 4	17♉26	3°R19	25°R28	23♈ 1	29°R40	12♒49	28°R23	27♌ 2	0♎ 6	n.a.	M 1
T 2	12 12 35	4°46'27	14°35	24°47	28°17	18° 4	3♎12	25♏26	23° 4	29♎38	12°50	28♌22	26°59	0°12	n.a.	T 2
W 3	12 16 31	5°44'22	27°49	26°48	29°30	18°41	3° 4	25°24	23° 8	29°37	12°51	28°19	26°56	0°19	n.a.	W 3
T 4	12 20 28	6°42'14	11♈24	28°51	0♉43	19°19	2°56	25°22	23°11	29°35	12°52	28°14	26°52	0°26	n.a.	T 4
F 5	12 24 24	7°40'06	25°15	0♈55	1°56	19°57	2°49	25°20	23°14	29°34	12°53	28° 8	26°49	0°33	n.a.	F 5
S 6	12 28 21	8°37'55	9♉20	3° 1	3° 9	20°34	2°41	25°18	23°18	29°33	12°54	28° 2	26°46	0°39	n.a.	S 6
S 7	12 32 17	9°35'43	23°35	5° 8	4°21	21°12	2°34	25°16	23°21	29°31	12°55	27°56	26°43	0°46	n.a.	S 7
M 8	12 36 14	10°33'29	7♊53	7°16	5°34	21°49	2°26	25°13	23°25	29°30	12°56	27°51	26°40	0°53	n.a.	M 8
T 9	12 40 11	11°31'14	22°12	9°25	6°47	22°27	2°19	25°11	23°28	29°28	12°57	27°48	26°37	0°59	n.a.	T 9
W10	12 44 7	12°28'56	6♋27	11°35	8° 0	23° 5	2°11	25° 8	23°31	29°27	12°58	27°D46	26°33	1° 6	n.a.	W10
T 11	12 48 4	13°26'37	20°36	13°46	9°12	23°42	2° 4	25° 5	23°35	29°25	12°59	27°46	26°30	1°13	n.a.	T 11
F 12	12 52 0	14°24'16	4♌37	15°57	10°25	24°20	1°56	25° 3	23°38	29°23	13° 0	27°47	26°27	1°19	n.a.	F 12
S 13	12 55 57	15°21'54	18°30	18° 7	11°37	24°57	1°49	25° 0	23°42	29°22	13° 1	27°48	26°24	1°26	n.a.	S 13
S 14	12 59 53	16°19'29	2♍15	20°18	12°50	25°35	1°42	24°57	23°45	29°20	13° 2	27°R48	26°21	1°33	n.a.	S 14
M15	13 3 50	17°17'03	15°49	22°28	14° 2	26°13	1°35	24°54	23°49	29°19	13° 2	27°47	26°18	1°40	n.a.	M15
T 16	13 7 46	18°14'36	29°13	24°38	15°15	26°50	1°28	24°51	23°52	29°17	13° 3	27°43	26°14	1°46	n.a.	T 16
W17	13 11 43	19°12'07	12♎24	26°46	16°27	27°28	1°21	24°48	23°56	29°16	13° 4	27°37	26°11	1°53	n.a.	W17
T 18	13 15 40	20° 9'37	25°23	28°53	17°40	28° 5	1°14	24°45	23°59	29°14	13° 5	27°30	26° 8	2° 0	n.a.	T 18
F 19	13 19 36	21° 7'05	8♏ 7	0♉59	18°52	28°43	1° 7	24°42	24° 3	29°12	13° 6	27°20	26° 5	2° 6	n.a.	F 19
S 20	13 23 33	22° 4'33	20°38	3° 3	20° 4	29°20	1° 0	24°38	24° 6	29°11	13° 6	27°11	26° 2	2°13	n.a.	S 20
S 21	13 27 29	23° 1'59	2♐55	5° 5	21°16	29°58	0°54	24°35	24°10	29° 9	13° 7	27° 1	25°58	2°20	n.a.	S 21
M22	13 31 26	23°59'24	15° 1	7° 5	22°29	0♊36	0°47	24°32	24°13	29° 8	13° 8	26°54	25°55	2°26	n.a.	M22
T 23	13 35 22	24°56'49	26°57	9° 2	23°41	1°13	0°41	24°28	24°17	29° 6	13° 8	26°48	25°52	2°33	n.a.	T 23
W24	13 39 19	25°54'13	8♑49	10°57	24°53	1°51	0°34	24°25	24°20	29° 4	13° 9	26°44	25°49	2°40	n.a.	W24
T 25	13 43 15	26°51'35	20°40	12°50	26° 5	2°28	0°28	24°21	24°24	29° 3	13°10	26°42	25°46	2°47	n.a.	T 25
F 26	13 47 12	27°48'57	2♒35	14°40	27°17	3° 6	0°22	24°17	24°27	29° 1	13°10	26°D42	25°43	2°53	n.a.	F 26
S 27	13 51 9	28°46'19	14°40	16°27	28°29	3°43	0°16	24°14	24°31	29° 0	13°11	26°43	25°39	3° 0	n.a.	S 27
S 28	13 55 5	29°43'39	27° 0	18°12	29°41	4°21	0°10	24°10	24°34	28°58	13°11	26°R43	25°36	3° 7	n.a.	S 28
M29	13 59 2	0♉40'59	9♓39	19°54	0♊53	4°59	0° 4	24° 6	24°38	28°56	13°12	26°42	25°33	3°13	n.a.	M29
T 30	14 2 58	1♉38'18	22♓41	21♉33	2♊ 5	5♊36	29♍59	24♏ 2	24♈41	28♎55	13♒12	26♌40	25♌30	3♎20	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n32	11s18	0s18	4s22	1s36	10n46	0n13	18n11	0n58	0n12	1n41	17s42	1n45	8n39	0s27	9s39	2n 0	30s57	14s25	12n12	12n40	19s27		n.a.
T 2	1 55	7 29	1 27	3 27	1 29	11 15	0 16	18 22	0 58	0 15	1 41	17 42	1 45	8 41	0 27	9 38	2 0	30 57	14 26	12 12	12 41	19 28		n.a.
W 3	2 19	3 13	2 33	2 31	1 21	11 44	0 18	18 33	0 58	0 18	1 41	17 41	1 45	8 42	0 27	9 38	2 0	30 57	14 26	12 13	12 42	19 28		n.a.
T 4	2 42	1n19	3 32	1 34	1 12	12 13	0 21	18 44	0 58	0 21	1 41	17 41	1 45	8 43	0 27	9 37	2 0	30 57	14 26	12 15	12 44	19 29		n.a.
F 5	3 5	5 52	4 20	0 36	1 4	12 41	0 24	18 55	0 59	0 24	1 41	17 40	1 45	8 44	0 27	9 37	2 0	30 57	14 27	12 17	12 45	19 29		n.a.
S 6	3 28	10 11	4 53	0n23	0 54	13 9	0 27	19 5	0 59	0 27	1 41	17 39	1 45	8 46	0 27	9 36	2 0	30 57	14 27	12 19	12 46	19 30		n.a.
S 7	3 51	13 57	5 8	1 23	0 45	13 36	0 29	19 16	0 59	0 30	1 41	17 39	1 45	8 47	0 27	9 36	2 0	30 57	14 27	12 21	12 47	19 30		n.a.
M 8	4 14	16 55	5 5	2 24	0 35	14 4	0 32	19 26	1 0	0 33	1 40	17 38	1 45	8 48	0 27	9 35	2 0	30 57	14 27	12 23	12 48	19 31		n.a.
T 9	4 37	18 51	4 42	3 25	0 24	14 31	0 35	19 36	1 0	0 36	1 40	17 38	1 45	8 50	0 27	9 34	2 0	30 57	14 28	12 24	12 49	19 31		n.a.
W10	5 0	19 35	4 2	4 26	0 14	14 57	0 37	19 46	1 0	0 39	1 40	17 37	1 45	8 51	0 27	9 34	2 0	30 57	14 28	12 25	12 50	19 32		n.a.
T 11	5 23	19 5	3 7	5 27	0 4	15 24	0 40	19 56	1 0	0 42	1 40	17 36	1 45	8 52	0 27	9 33	2 0	30 57	14 28	12 25	12 51	19 32		n.a.
F 12	5 45	17 24	2 2	6 28	0n 7	15 49	0 43	20 6	1 1	0 45	1 40	17 35	1 45	8 54	0 27	9 33	2 0	30 57	14 29	12 25	12 52	19 32		n.a.
S 13	6 8	14 42	0 50	7 29	0 18	16 15	0 45	20 15	1 1	0 47	1 40	17 35	1 45	8 55	0 26	9 32	2 0	30 57	14 29	12 24	12 53	19 33		n.a.
S 14	6 30	11 12	0n24	8 28	0 28	16 40	0 48	20 25	1 1	0 50	1 40	17 34	1 45	8 56	0 26	9 32	2 0	30 57	14 29	12 24	12 55	19 33		n.a.
M15	6 53	7 8	1 36	9 28	0 39	17 5	0 51	20 34	1 2	0 53	1 40	17 33	1 45	8 57	0 26	9 31	2 0	30 57	14 30	12 25	12 56	19 34		n.a.
T 16	7 15	2 46	2 41	10 26	0 49	17 29	0 53	20 43	1 2	0 56	1 39	17 32	1 46	8 59	0 26	9 31	2 0	30 57	14 30	12 26	12 57	19 34		n.a.
W17	7 37	1s39	3 36	11 22	0 59	17 53	0 56	20 52	1 2	0 58	1 39	17 32	1 46	9 0	0 26	9 30	2 0	30 57	14 30	12 28	12 58	19 35		n.a.
T 18	7 59	5 56	4 19	12 17	1 8	18 16	0 58	21 1	1 2	1 1	1 39	17 31	1 46	9 1	0 26	9 29	2 0	30 57	14 31	12 31	12 59	19 35		n.a.
F 19	8 21	9 52	4 49	13 11	1 17	18 39	1 1	21 10	1 3	1 4	1 39	17 30	1 46	9 3	0 26	9 29	2 0	30 57	14 31	12 34	13 0	19 35		n.a.
S 20	8 43	13 17	5 3	14 2	1 26	19 1	1 3	21 19	1 3	1 6	1 39	17 29	1 46	9 4	0 26	9 28	2 0	30 57	14 31	12 37	13 1	19 36		n.a.
S 21	9 4	16 4	5 4	14 52	1 34	19 23	1 6	21 27	1 3	1 9	1 39	17 28	1 46	9 5	0 26	9 28	2 0	30 58	14 32	12 40	13 2	19 36		n.a.
M22	9 26	18 6	4 50	15 39	1 41	19 45	1 8	21 35	1 3	1 11	1 38	17 27	1 46	9 7	0 26	9 27	2 0	30 58	14 32	12 43	13 3	19 37		n.a.
T 23	9 47	19 20	4 25	16 25	1 48	20 6	1 11	21 43	1 3	1 14	1 38	17 27	1 46	9 8	0 26	9 26	2 0	30 58	14 32	12 45	13 4	19 37		n.a.
W24	10 9	19 42	3 47	17 8	1 54	20 26	1 13	21 51	1 4	1 16	1 38	17 26	1 46	9 9	0 26	9 26	2 0	30 58	14 33	12 47	13 5	19 38		n.a.
T 25	10 30	19 11	3 0	17 48	2 0	20 46	1 15	21 59	1 4	1 18	1 38	17 25	1 46	9 11	0 26	9 25	2 0	30 58	14 33	12 47	13 7	19 38		n.a.
F 26	10 51	17 49	2 5	18 27	2 5	21 5	1 18	22 7	1 4	1 21	1 38	17 24	1 46	9 12	0 26	9 25	2 0	30 58	14 33	12 47	13 8	19 38		n.a.
S 27	11 11	15 38	1 4	19 2	2 9	21 24	1 20	22 15	1 4	1 23	1 38	17 23	1 46	9 13	0 26	9 24	2 0	30 58	14 34	12 47	13 9	19 39		n.a.
S 28	11 32	12 42	0s 1	19 36	2 12	21 42	1 22	22 22	1 5	1 25	1 37	17 22	1 46	9 14	0 26	9 24	2 0	30 59	14 34	12 47	13 10	19 39		n.a.
M29	11 52	9 7	1 8	20 7	2 15	22 0	1 24	22 29	1 5	1 27	1 37	17 21	1 46	9 16	0 26	9 23	2 0	30 59	14 34	12 47	13 11	19 39		n.a.
T 30	12n12	4s59	2s14	20n36	2n17	22n17	1n26	22n36	1n 5	1n29	1n37	17s20	1n46	9n17	0s26	9s22	2n 0	30s59	14s35	12n48	13n12	19s40		n.a.

Julian Day Number = 1478987.5, Delta T = 05h24m23s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'26, Lahiri = -13°07'25 Julian Calendar 1 Apr. 664 BCE == Greg. Calendar 25 March 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

MAY 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 6 55	2♉35'36	6♈ 7	23♉ 9	3♊16	6♊14	29°R53	23°R58	24♈44	28°R53	13♒13	26°R35	25♌27	3♑27	n.a.	W 1
T 2	14 10 51	3°32'54	19°59	24°42	4°28	6°51	29♍48	23♏54	24°48	28♎51	13°13	26♌27	25°23	3°33	n.a.	T 2
F 3	14 14 48	4°30'10	4♉13	26°13	5°40	7°29	29°43	23°50	24°51	28°50	13°14	26°18	25°20	3°40	n.a.	F 3
S 4	14 18 44	5°27'26	18°44	27°41	6°51	8° 7	29°37	23°46	24°55	28°48	13°14	26° 7	25°17	3°47	n.a.	S 4
S 5	14 22 41	6°24'42	3♊25	29° 6	8° 3	8°44	29°33	23°42	24°58	28°47	13°14	25°57	25°14	3°53	n.a.	S 5
M 6	14 26 38	7°21'56	18° 8	0♊27	9°15	9°22	29°28	23°38	25° 2	28°45	13°15	25°49	25°11	4° 0	n.a.	M 6
T 7	14 30 34	8°19'10	2♋46	1°46	10°26	9°59	29°23	23°34	25° 5	28°43	13°15	25°42	25° 8	4° 7	n.a.	T 7
W 8	14 34 31	9°16'22	17°14	3° 2	11°38	10°37	29°19	23°30	25° 9	28°42	13°16	25°39	25° 4	4°14	n.a.	W 8
T 9	14 38 27	10°13'34	1♌27	4°15	12°49	11°15	29°14	23°26	25°12	28°40	13°16	25°37	25° 1	4°20	n.a.	T 9
F 10	14 42 24	11°10'44	15°25	5°24	14° 0	11°52	29°10	23°21	25°15	28°39	13°16	25°D37	24°58	4°27	n.a.	F 10
S 11	14 46 20	12° 7'54	29° 7	6°31	15°12	12°30	29° 6	23°17	25°19	28°37	13°16	25°R37	24°55	4°34	n.a.	S 11
S 12	14 50 17	13° 5'03	12♍35	7°34	16°23	13° 7	29° 2	23°13	25°22	28°36	13°17	25°36	24°52	4°40	n.a.	S 12
M13	14 54 13	14° 2'11	25°49	8°33	17°34	13°45	28°59	23° 9	25°26	28°34	13°17	25°33	24°49	4°47	n.a.	M13
T 14	14 58 10	14°59'18	8♎51	9°30	18°45	14°23	28°55	23° 4	25°29	28°32	13°17	25°28	24°45	4°54	n.a.	T 14
W15	15 2 7	15°56'25	21°42	10°22	19°56	15° 0	28°52	23° 0	25°32	28°31	13°17	25°19	24°42	5° 0	n.a.	W15
T 16	15 6 3	16°53'31	4♏22	11°11	21° 7	15°38	28°49	22°56	25°36	28°29	13°17	25° 8	24°39	5° 7	n.a.	T 16
F 17	15 10 0	17°50'37	16°51	11°57	22°18	16°15	28°46	22°51	25°39	28°28	13°17	24°56	24°36	5°14	n.a.	F 17
S 18	15 13 56	18°47'43	29°10	12°38	23°29	16°53	28°43	22°47	25°42	28°26	13°17	24°43	24°33	5°20	n.a.	S 18
S 19	15 17 53	19°44'48	11♐19	13°16	24°40	17°31	28°40	22°43	25°45	28°25	13°17	24°30	24°29	5°27	n.a.	S 19
M20	15 21 49	20°41'53	23°19	13°49	25°50	18° 8	28°38	22°38	25°49	28°23	13°18	24°19	24°26	5°34	n.a.	M20
T 21	15 25 46	21°38'58	5♑12	14°19	27° 1	18°46	28°36	22°34	25°52	28°22	13°R18	24°10	24°23	5°41	n.a.	T 21
W22	15 29 43	22°36'03	17° 2	14°44	28°12	19°24	28°34	22°29	25°55	28°21	13°18	24° 3	24°20	5°47	n.a.	W22
T 23	15 33 39	23°33'08	28°51	15° 5	29°22	20° 1	28°32	22°25	25°58	28°19	13°17	24° 0	24°17	5°54	n.a.	T 23
F 24	15 37 36	24°30'13	10♒45	15°21	0♋33	20°39	28°30	22°21	26° 1	28°18	13°17	23°58	24°14	6° 1	n.a.	F 24
S 25	15 41 32	25°27'19	22°48	15°33	1°43	21°16	28°28	22°16	26° 5	28°16	13°17	23°58	24°10	6° 7	n.a.	S 25
S 26	15 45 29	26°24'24	5♓ 6	15°40	2°54	21°54	28°27	22°12	26° 8	28°15	13°17	23°58	24° 7	6°14	n.a.	S 26
M27	15 49 25	27°21'30	17°44	15°R42	4° 4	22°32	28°26	22° 7	26°11	28°14	13°17	23°57	24° 4	6°21	n.a.	M27
T 28	15 53 22	28°18'35	0♈47	15°40	5°14	23° 9	28°25	22° 3	26°14	28°12	13°17	23°54	24° 1	6°27	n.a.	T 28
W29	15 57 18	29°15'42	14°17	15°34	6°24	23°47	28°24	21°59	26°17	28°11	13°17	23°49	23°58	6°34	n.a.	W29
T 30	16 1 15	0♊12'48	28°15	15°23	7°34	24°25	28°23	21°54	26°20	28°10	13°17	23°41	23°55	6°41	n.a.	T 30
F 31	16 5 12	1♊ 9'55	12♉41	15♊ 7	8♋44	25♊ 3	28♍23	21♏50	26♈23	28♎ 8	13♒16	23♌31	23♌51	6♑47	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12n32	0s29	3s14	21n 2	2n18	22n33	1n28	22n43	1n 5	1n31	1n37	17s19	1n46	9n18	0s26	9s22	2n 0	30s59	14s35	12n50	13n13	19s40			n.a.
T 2	12 52	4n10	4 4	21 26	2 18	22 49	1 30	22 50	1 5	1 33	1 36	17 18	1 46	9 20	0 26	9 21	2 0	30 59	14 36	12 52	13 14	19 41			n.a.
F 3	13 12	8 42	4 40	21 48	2 18	23 4	1 32	22 56	1 5	1 35	1 36	17 17	1 46	9 21	0 26	9 21	2 0	30 59	14 36	12 56	13 15	19 41			n.a.
S 4	13 31	12 50	5 0	22 8	2 17	23 18	1 34	23 3	1 6	1 37	1 36	17 16	1 46	9 22	0 26	9 20	2 0	31 0	14 36	12 59	13 16	19 41			n.a.
S 5	13 51	16 14	5 0	22 26	2 15	23 32	1 36	23 9	1 6	1 39	1 36	17 15	1 46	9 23	0 26	9 20	2 0	31 0	14 37	13 3	13 17	19 42			n.a.
M 6	14 10	18 35	4 40	22 41	2 12	23 45	1 38	23 15	1 6	1 40	1 35	17 14	1 46	9 25	0 26	9 19	2 0	31 0	14 37	13 5	13 18	19 42			n.a.
T 7	14 28	19 43	4 2	22 54	2 9	23 58	1 40	23 21	1 6	1 42	1 35	17 13	1 46	9 26	0 26	9 18	2 0	31 0	14 37	13 8	13 20	19 42			n.a.
W 8	14 47	19 32	3 9	23 6	2 5	24 10	1 41	23 27	1 6	1 43	1 35	17 12	1 46	9 27	0 26	9 18	2 0	31 1	14 38	13 9	13 21	19 43			n.a.
T 9	15 5	18 6	2 4	23 15	2 0	24 21	1 43	23 32	1 7	1 45	1 35	17 11	1 46	9 29	0 26	9 17	2 0	31 1	14 38	13 9	13 22	19 43			n.a.
F 10	15 23	15 35	0 54	23 22	1 54	24 32	1 45	23 38	1 7	1 46	1 34	17 10	1 46	9 30	0 26	9 17	2 0	31 1	14 39	13 10	13 23	19 43			n.a.
S 11	15 41	12 14	0n19	23 28	1 48	24 42	1 46	23 43	1 7	1 48	1 34	17 9	1 46	9 31	0 26	9 16	2 0	31 1	14 39	13 10	13 24	19 44			n.a.
S 12	15 59	8 18	1 29	23 32	1 41	24 51	1 47	23 48	1 7	1 49	1 34	17 8	1 46	9 32	0 26	9 16	2 0	31 2	14 39	13 10	13 25	19 44			n.a.
M13	16 16	4 1	2 33	23 34	1 33	24 59	1 49	23 53	1 7	1 50	1 34	17 7	1 46	9 34	0 26	9 15	2 0	31 2	14 40	13 11	13 26	19 44			n.a.
T 14	16 33	0s23	3 27	23 34	1 24	25 7	1 50	23 57	1 7	1 51	1 33	17 6	1 46	9 35	0 26	9 15	2 0	31 2	14 40	13 13	13 27	19 45			n.a.
W15	16 50	4 42	4 11	23 33	1 15	25 14	1 51	24 2	1 7	1 53	1 33	17 5	1 46	9 36	0 26	9 14	2 0	31 3	14 40	13 16	13 28	19 45			n.a.
T 16	17 7	8 45	4 41	23 31	1 5	25 20	1 52	24 6	1 8	1 54	1 33	17 4	1 46	9 37	0 26	9 14	2 0	31 3	14 41	13 19	13 29	19 45			n.a.
F 17	17 23	12 21	4 57	23 26	0 55	25 26	1 54	24 11	1 8	1 54	1 32	17 3	1 45	9 38	0 26	9 13	2 0	31 3	14 41	13 24	13 30	19 46			n.a.
S 18	17 39	15 23	4 59	23 21	0 43	25 31	1 55	24 15	1 8	1 55	1 32	17 2	1 45	9 40	0 26	9 13	2 0	31 4	14 41	13 28	13 31	19 46			n.a.
S 19	17 55	17 42	4 48	23 14	0 32	25 35	1 55	24 18	1 8	1 56	1 32	17 1	1 45	9 41	0 26	9 12	1 59	31 4	14 42	13 32	13 32	19 46			n.a.
M20	18 11	19 13	4 23	23 6	0 19	25 39	1 56	24 22	1 8	1 57	1 32	16 59	1 45	9 42	0 26	9 12	1 59	31 4	14 42	13 36	13 34	19 47			n.a.
T 21	18 26	19 53	3 48	22 56	0 6	25 41	1 57	24 25	1 8	1 58	1 31	16 58	1 45	9 43	0 26	9 11	1 59	31 5	14 43	13 39	13 35	19 47			n.a.
W22	18 41	19 40	3 2	22 45	0s 8	25 43	1 58	24 29	1 8	1 58	1 31	16 57	1 45	9 44	0 26	9 11	1 59	31 5	14 43	13 41	13 36	19 47			n.a.
T 23	18 55	18 35	2 9	22 34	0 22	25 45	1 58	24 32	1 8	1 59	1 31	16 56	1 45	9 46	0 26	9 10	1 59	31 5	14 43	13 42	13 37	19 48			n.a.
F 24	19 10	16 40	1 9	22 21	0 37	25 45	1 59	24 35	1 9	1 59	1 30	16 55	1 45	9 47	0 26	9 10	1 59	31 6	14 44	13 43	13 38	19 48			n.a.
S 25	19 24	14 0	0 6	22 7	0 52	25 45	1 59	24 37	1 9	1 59	1 30	16 54	1 45	9 48	0 26	9 9	1 59	31 6	14 44	13 43	13 39	19 48			n.a.
S 26	19 37	10 41	0s59	21 53	1 7	25 44	2 0	24 40	1 9	2 0	1 30	16 53	1 45	9 49	0 26	9 9	1 59	31 6	14 44	13 43	13 40	19 48			n.a.
M27	19 51	6 47	2 2	21 38	1 23	25 42	2 0	24 42	1 9	2 0	1 29	16 52	1 45	9 50	0 26	9 8	1 59	31 7	14 45	13 43	13 41	19 49			n.a.
T 28	20 4	2 27	3 2	21 22	1 38	25 40	2 0	24 45	1 9	2 0	1 29	16 51	1 45	9 51	0 26	9 8	1 59	31 7	14 45	13 44	13 42	19 49			n.a.
W29	20 16	2n 8	3 53	21 5	1 54	25 37	2 0	24 47	1 9	2 0	1 29	16 50	1 45	9 52	0 26	9 7	1 59	31 8	14 46	13 46	13 43	19 49			n.a.
T 30	20 29	6 46	4 32	20 48	2 10	25 33	2 0	24 48	1 9	2 0	1 29	16 49	1 44	9 54	0 26	9 7	1 59	31 8	14 46	13 49	13 44	19 49			n.a.
F 31	20n41	11n10	4s56	20n31	2s26	25n28	2n 0	24n50	1n 9	2n 0	1n28	16s48	1n44	9n55	0s26	9s 6	1n59	31s 8	14s46	13n52	13n45	19s50			n.a.

Julian Day Number = 1479017.5, Delta T = 05h24m21s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'22, Lahiri = -13°07'21 Julian Calendar 1 May 664 BCE == Greg. Calendar 24 Apr. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

JUNE 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 9 8	2♊ 7'02	27♉28	14°R47	9♋54	25♊40	28°R22	21°R46	26♈26	28°R 7	13°R16	23°R20	23♌48	6♉54	n.a.	S 1
S 2	16 13 5	3° 4'09	12♊29	14♊24	11° 4	26°18	28°D22	21♏42	26°29	28♎ 6	13♒16	23♌10	23°45	7° 1	n.a.	S 2
M 3	16 17 1	4° 1'17	27°33	13°56	12°14	26°56	28♍22	21°37	26°32	28° 4	13°16	23° 0	23°42	7° 7	n.a.	M 3
T 4	16 20 58	4°58'24	12♋32	13°26	13°24	27°33	28°22	21°33	26°35	28° 3	13°15	22°53	23°39	7°14	n.a.	T 4
W 5	16 24 54	5°55'32	27°17	12°53	14°33	28°11	28°23	21°29	26°38	28° 2	13°15	22°49	23°35	7°21	n.a.	W 5
T 6	16 28 51	6°52'39	11♌42	12°17	15°43	28°49	28°23	21°25	26°41	28° 1	13°15	22°47	23°32	7°28	n.a.	T 6
F 7	16 32 47	7°49'47	25°46	11°40	16°52	29°27	28°24	21°21	26°44	28° 0	13°14	22°D47	23°29	7°34	n.a.	F 7
S 8	16 36 44	8°46'55	9♍28	11° 1	18° 1	0♋ 4	28°25	21°16	26°46	27°59	13°14	22°R47	23°26	7°41	n.a.	S 8
S 9	16 40 41	9°44'02	22°50	10°22	19°11	0°42	28°26	21°12	26°49	27°57	13°13	22°47	23°23	7°48	n.a.	S 9
M10	16 44 37	10°41'10	5♎54	9°43	20°20	1°20	28°28	21° 8	26°52	27°56	13°13	22°44	23°20	7°54	n.a.	M10
T 11	16 48 34	11°38'18	18°42	9° 5	21°29	1°58	28°29	21° 4	26°55	27°55	13°13	22°39	23°16	8° 1	n.a.	T 11
W12	16 52 30	12°35'27	1♏18	8°29	22°38	2°36	28°31	21° 0	26°57	27°54	13°12	22°32	23°13	8° 8	n.a.	W12
T 13	16 56 27	13°32'35	13°42	7°55	23°47	3°13	28°33	20°57	27° 0	27°53	13°12	22°22	23°10	8°14	n.a.	T 13
F 14	17 0 23	14°29'45	25°57	7°23	24°56	3°51	28°35	20°53	27° 3	27°52	13°11	22°11	23° 7	8°21	n.a.	F 14
S 15	17 4 20	15°26'54	8♐ 4	6°55	26° 4	4°29	28°37	20°49	27° 5	27°51	13°11	21°59	23° 4	8°28	n.a.	S 15
S 16	17 8 17	16°24'05	20° 4	6°31	27°13	5° 7	28°39	20°45	27° 8	27°50	13°10	21°47	23° 1	8°34	n.a.	S 16
M17	17 12 13	17°21'16	1♑58	6°11	28°21	5°45	28°42	20°42	27°10	27°49	13° 9	21°37	22°57	8°41	n.a.	M17
T 18	17 16 10	18°18'28	13°49	5°56	29°30	6°22	28°44	20°38	27°13	27°49	13° 9	21°29	22°54	8°48	n.a.	T 18
W19	17 20 6	19°15'41	25°37	5°47	0♌38	7° 0	28°47	20°34	27°15	27°48	13° 8	21°23	22°51	8°54	n.a.	W19
T 20	17 24 3	20°12'54	7♒27	5°D42	1°46	7°38	28°50	20°31	27°18	27°47	13° 7	21°20	22°48	9° 1	n.a.	T 20
F 21	17 27 59	21°10'09	19°21	5°44	2°54	8°16	28°54	20°27	27°20	27°46	13° 7	21°D19	22°45	9° 8	n.a.	F 21
S 22	17 31 56	22° 7'24	1♓25	5°51	4° 2	8°54	28°57	20°24	27°22	27°45	13° 6	21°19	22°41	9°15	n.a.	S 22
S 23	17 35 52	23° 4'41	13°42	6° 4	5° 9	9°32	29° 1	20°21	27°25	27°45	13° 5	21°20	22°38	9°21	n.a.	S 23
M24	17 39 49	24° 1'59	26°18	6°24	6°17	10°10	29° 4	20°17	27°27	27°44	13° 5	21°R20	22°35	9°28	n.a.	M24
T 25	17 43 46	24°59'18	9♈17	6°49	7°25	10°48	29° 8	20°14	27°29	27°43	13° 4	21°19	22°32	9°35	n.a.	T 25
W26	17 47 42	25°56'38	22°43	7°21	8°32	11°26	29°12	20°11	27°31	27°42	13° 3	21°16	22°29	9°41	n.a.	W26
T 27	17 51 39	26°54'00	6♉38	7°58	9°39	12° 4	29°17	20° 8	27°33	27°42	13° 2	21°11	22°26	9°48	n.a.	T 27
F 28	17 55 35	27°51'22	21° 3	8°42	10°46	12°42	29°21	20° 5	27°36	27°41	13° 2	21° 5	22°22	9°55	n.a.	F 28
S 29	17 59 32	28°48'47	5♊51	9°32	11°53	13°20	29°25	20° 2	27°38	27°41	13° 1	20°57	22°19	10° 1	n.a.	S 29
S 30	18 3 28	29♊46'12	20♊58	10♊28	13♌ 0	13♋58	29♍30	19♏59	27♈40	27♎40	13♒ 0	20♌49	22♌16	10♉ 8	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n52	15n 0	5s 0	20n13	2s41	25n23	2n 0	24n51	1n 9	2n 0	1n28	16s47	1n44	9n56	0s26	9s 6	1n59	31s 9	14s47	13n56	13n46	19s50		n.a.
S 2	21 4	17 55	4 44	19 56	2 56	25 17	1 59	24 53	1 9	2 0	1 28	16 46	1 44	9 57	0 26	9 6	1 59	31 9	14 47	13 59	13 47	19 50		n.a.
M 3	21 15	19 36	4 9	19 38	3 11	25 10	1 59	24 54	1 10	1 59	1 27	16 45	1 44	9 58	0 26	9 5	1 59	31 10	14 47	14 2	13 48	19 51		n.a.
T 4	21 25	19 55	3 16	19 21	3 24	25 3	1 58	24 55	1 10	1 59	1 27	16 44	1 44	9 59	0 26	9 5	1 59	31 10	14 48	14 5	13 50	19 51		n.a.
W 5	21 36	18 51	2 11	19 4	3 37	24 55	1 58	24 55	1 10	1 59	1 27	16 43	1 44	10 0	0 26	9 4	1 59	31 10	14 48	14 6	13 51	19 51		n.a.
T 6	21 46	16 35	0 58	18 48	3 49	24 46	1 57	24 56	1 10	1 58	1 26	16 42	1 44	10 1	0 26	9 4	1 59	31 11	14 48	14 7	13 52	19 51		n.a.
F 7	21 55	13 21	0n16	18 32	4 0	24 37	1 56	24 56	1 10	1 57	1 26	16 41	1 44	10 2	0 26	9 4	1 59	31 11	14 49	14 7	13 53	19 52		n.a.
S 8	22 4	9 28	1 27	18 18	4 9	24 27	1 55	24 56	1 10	1 57	1 26	16 40	1 43	10 3	0 26	9 3	1 59	31 12	14 49	14 7	13 54	19 52		n.a.
S 9	22 13	5 12	2 32	18 4	4 17	24 16	1 54	24 56	1 10	1 56	1 26	16 39	1 43	10 4	0 26	9 3	1 59	31 12	14 49	14 7	13 55	19 52		n.a.
M10	22 22	0 48	3 28	17 52	4 24	24 5	1 53	24 56	1 10	1 55	1 25	16 38	1 43	10 5	0 26	9 3	1 59	31 13	14 50	14 8	13 56	19 52		n.a.
T 11	22 30	3s33	4 11	17 42	4 29	23 53	1 52	24 56	1 10	1 54	1 25	16 37	1 43	10 6	0 26	9 2	1 59	31 13	14 50	14 9	13 57	19 52		n.a.
W12	22 37	7 41	4 42	17 33	4 32	23 40	1 51	24 55	1 10	1 53	1 25	16 36	1 43	10 7	0 26	9 2	1 59	31 14	14 50	14 12	13 58	19 53		n.a.
T 13	22 45	11 25	4 59	17 26	4 34	23 27	1 49	24 54	1 10	1 52	1 24	16 35	1 43	10 8	0 26	9 2	1 58	31 14	14 51	14 15	13 59	19 53		n.a.
F 14	22 51	14 38	5 2	17 21	4 34	23 13	1 48	24 53	1 10	1 51	1 24	16 35	1 43	10 9	0 26	9 1	1 58	31 15	14 51	14 19	14 0	19 53		n.a.
S 15	22 58	17 11	4 51	17 17	4 33	22 58	1 46	24 52	1 10	1 50	1 24	16 34	1 43	10 10	0 26	9 1	1 58	31 15	14 51	14 23	14 1	19 53		n.a.
S 16	23 4	18 58	4 27	17 16	4 30	22 43	1 45	24 51	1 10	1 49	1 23	16 33	1 42	10 11	0 26	9 1	1 58	31 16	14 52	14 26	14 2	19 53		n.a.
M17	23 10	19 54	3 51	17 17	4 25	22 27	1 43	24 49	1 10	1 48	1 23	16 32	1 42	10 12	0 27	9 0	1 58	31 16	14 52	14 30	14 3	19 54		n.a.
T 18	23 15	19 58	3 6	17 21	4 19	22 11	1 41	24 47	1 10	1 46	1 23	16 31	1 42	10 13	0 27	9 0	1 58	31 17	14 52	14 32	14 4	19 54		n.a.
W19	23 20	19 8	2 13	17 26	4 12	21 54	1 39	24 45	1 11	1 45	1 22	16 30	1 42	10 14	0 27	9 0	1 58	31 17	14 53	14 34	14 5	19 54		n.a.
T 20	23 24	17 29	1 14	17 33	4 4	21 37	1 37	24 43	1 11	1 43	1 22	16 30	1 42	10 14	0 27	9 0	1 58	31 18	14 53	14 35	14 6	19 54		n.a.
F 21	23 28	15 3	0 11	17 43	3 54	21 19	1 34	24 41	1 11	1 42	1 22	16 29	1 42	10 15	0 27	8 59	1 58	31 18	14 53	14 36	14 7	19 54		n.a.
S 22	23 32	11 58	0s54	17 54	3 44	21 0	1 32	24 39	1 11	1 40	1 22	16 28	1 41	10 16	0 27	8 59	1 58	31 19	14 54	14 36	14 9	19 55		n.a.
S 23	23 35	8 18	1 57	18 8	3 33	20 41	1 30	24 36	1 11	1 38	1 21	16 27	1 41	10 17	0 27	8 59	1 58	31 19	14 54	14 35	14 10	19 55		n.a.
M24	23 38	4 11	2 56	18 23	3 21	20 22	1 27	24 33	1 11	1 37	1 21	16 27	1 41	10 18	0 27	8 59	1 58	31 20	14 54	14 35	14 11	19 55		n.a.
T 25	23 41	0n14	3 48	18 40	3 8	20 2	1 24	24 30	1 11	1 35	1 21	16 26	1 41	10 19	0 27	8 59	1 58	31 20	14 54	14 35	14 12	19 55		n.a.
W26	23 43	4 47	4 30	18 58	2 55	19 41	1 21	24 27	1 11	1 33	1 20	16 25	1 41	10 19	0 27	8 58	1 58	31 21	14 55	14 36	14 13	19 55		n.a.
T 27	23 44	9 15	4 57	19 18	2 41	19 21	1 19	24 23	1 11	1 31	1 20	16 25	1 41	10 20	0 27	8 58	1 58	31 21	14 55	14 38	14 14	19 56		n.a.
F 28	23 45	13 20	5 7	19 39	2 27	18 59	1 16	24 20	1 11	1 29	1 20	16 24	1 40	10 21	0 27	8 58	1 58	31 22	14 55	14 40	14 15	19 56		n.a.
S 29	23 46	16 43	4 56	20 1	2 12	18 37	1 12	24 16	1 11	1 27	1 19	16 23	1 40	10 22	0 27	8 58	1 58	31 22	14 56	14 43	14 16	19 56		n.a.
S 30	23n46	19n 3	4s26	20n23	1s57	18n15	1n 9	24n12	1n11	1n24	1n19	16s23	1n40	10n22	0s27	8s58	1n58	31s23	14s56	14n45	14n17	19s56		n.a.

Julian Day Number = 1479048.5, Delta T = 05h24m20s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'18, Lahiri = -13°07'17 Julian Calendar 1 June 664 BCE == Greg. Calendar 25 May 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

JULY 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 7 25	0♋43'39	6♋13	11♊29	14♌ 7	14♋36	29♍35	19°R56	27♈42	27°R39	12°R59	20°R43	22♌13	10♑15	n.a.	M 1
T 2	18 11 21	1°41'06	21°25	12°36	15°13	15°14	29°40	19♏53	27°44	27♎39	12♒58	20♌38	22°10	10°21	n.a.	T 2
W 3	18 15 18	2°38'35	6♌24	13°49	16°20	15°52	29°45	19°51	27°46	27°39	12°57	20°35	22° 6	10°28	n.a.	W 3
T 4	18 19 15	3°36'05	21° 4	15° 7	17°26	16°30	29°51	19°48	27°47	27°38	12°57	20°D34	22° 3	10°35	n.a.	T 4
F 5	18 23 11	4°33'35	5♍20	16°30	18°32	17° 8	29°56	19°46	27°49	27°38	12°56	20°35	22° 0	10°41	n.a.	F 5
S 6	18 27 8	5°31'07	19° 9	17°58	19°38	17°46	0♎ 2	19°43	27°51	27°37	12°55	20°36	21°57	10°48	n.a.	S 6
S 7	18 31 4	6°28'39	2♎34	19°30	20°44	18°24	0° 8	19°41	27°53	27°37	12°54	20°R37	21°54	10°55	n.a.	S 7
M 8	18 35 1	7°26'13	15°37	21° 7	21°49	19° 2	0°13	19°39	27°54	27°37	12°53	20°37	21°51	11° 1	n.a.	M 8
T 9	18 38 57	8°23'47	28°20	22°48	22°55	19°40	0°20	19°37	27°56	27°36	12°52	20°35	21°47	11° 8	n.a.	T 9
W10	18 42 54	9°21'23	10♏47	24°33	24° 0	20°19	0°26	19°34	27°58	27°36	12°51	20°31	21°44	11°15	n.a.	W10
T 11	18 46 50	10°19'00	23° 2	26°21	25° 5	20°57	0°32	19°32	27°59	27°36	12°50	20°26	21°41	11°21	n.a.	T 11
F 12	18 50 47	11°16'38	5♐ 7	28°12	26°10	21°35	0°39	19°31	28° 1	27°36	12°49	20°19	21°38	11°28	n.a.	F 12
S 13	18 54 44	12°14'18	17° 5	0♑ 5	27°14	22°13	0°45	19°29	28° 2	27°36	12°48	20°12	21°35	11°35	n.a.	S 13
S 14	18 58 40	13°11'58	28°59	2° 1	28°19	22°51	0°52	19°27	28° 4	27°35	12°47	20° 5	21°32	11°42	n.a.	S 14
M15	19 2 37	14° 9'41	10♑49	3°58	29°23	23°30	0°59	19°25	28° 5	27°35	12°46	20° 0	21°28	11°48	n.a.	M15
T 16	19 6 33	15° 7'24	22°39	5°56	0♍27	24° 8	1° 6	19°24	28° 6	27°35	12°45	19°55	21°25	11°55	n.a.	T 16
W17	19 10 30	16° 5'10	4♒29	7°56	1°30	24°46	1°13	19°22	28° 8	27°D35	12°44	19°52	21°22	12° 2	n.a.	W17
T 18	19 14 26	17° 2'57	16°23	9°56	2°34	25°24	1°21	19°21	28° 9	27°35	12°42	19°D51	21°19	12° 8	n.a.	T 18
F 19	19 18 23	18° 0'45	28°23	11°56	3°37	26° 3	1°28	19°20	28°10	27°35	12°41	19°51	21°16	12°15	n.a.	F 19
S 20	19 22 19	18°58'36	10♓32	13°57	4°40	26°41	1°36	19°19	28°11	27°35	12°40	19°53	21°12	12°22	n.a.	S 20
S 21	19 26 16	19°56'28	22°53	15°57	5°43	27°19	1°43	19°17	28°12	27°36	12°39	19°54	21° 9	12°28	n.a.	S 21
M22	19 30 13	20°54'22	5♈30	17°57	6°45	27°58	1°51	19°16	28°13	27°36	12°38	19°56	21° 6	12°35	n.a.	M22
T 23	19 34 9	21°52'18	18°28	19°57	7°48	28°36	1°59	19°16	28°14	27°36	12°37	19°R56	21° 3	12°42	n.a.	T 23
W24	19 38 6	22°50'16	1♉49	21°55	8°49	29°15	2° 7	19°15	28°15	27°36	12°36	19°56	21° 0	12°48	n.a.	W24
T 25	19 42 2	23°48'17	15°36	23°53	9°51	29°53	2°16	19°14	28°16	27°36	12°35	19°55	20°57	12°55	n.a.	T 25
F 26	19 45 59	24°46'19	29°50	25°50	10°52	0♌31	2°24	19°13	28°17	27°37	12°33	19°52	20°53	13° 2	n.a.	F 26
S 27	19 49 55	25°44'23	14♊27	27°46	11°54	1°10	2°32	19°13	28°18	27°37	12°32	19°49	20°50	13° 8	n.a.	S 27
S 28	19 53 52	26°42'30	29°24	29°41	12°54	1°48	2°41	19°12	28°19	27°37	12°31	19°46	20°47	13°15	n.a.	S 28
M29	19 57 48	27°40'38	14♋33	1♌34	13°55	2°27	2°50	19°12	28°19	27°38	12°30	19°43	20°44	13°22	n.a.	M29
T 30	20 1 45	28°38'48	29°44	3°27	14°55	3° 6	2°58	19°12	28°20	27°38	12°29	19°42	20°41	13°28	n.a.	T 30
W31	20 5 42	29♋37'00	14♌47	5♌18	15♍55	3♌44	3♎ 7	19♏12	28♈21	27♎38	12♒28	19°D41	20♌38	13♑35	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n46	20n 2	3s36	20n47	1s43	17n52	1n 6	24n 8	1n11	1n22	1n19	16s22	1n40	10n23	0s27	8s58	1n57	31s23	14s56	14n47	14n18	19s56		n.a.
T 2	23 46	19 34	2 31	21 10	1 28	17 29	1 3	24 4	1 11	1 20	1 19	16 22	1 40	10 24	0 27	8 58	1 57	31 24	14 56	14 49	14 19	19 56		n.a.
W 3	23 45	17 43	1 16	21 34	1 13	17 6	0 59	23 59	1 11	1 18	1 18	16 21	1 39	10 24	0 27	8 57	1 57	31 24	14 57	14 50	14 20	19 56		n.a.
T 4	23 43	14 43	0n 3	21 57	0 59	16 42	0 55	23 54	1 11	1 15	1 18	16 20	1 39	10 25	0 27	8 57	1 57	31 25	14 57	14 50	14 21	19 57		n.a.
F 5	23 42	10 55	1 19	22 20	0 44	16 18	0 52	23 50	1 11	1 13	1 18	16 20	1 39	10 26	0 27	8 57	1 57	31 25	14 57	14 50	14 22	19 57		n.a.
S 6	23 39	6 37	2 28	22 43	0 31	15 53	0 48	23 45	1 11	1 10	1 18	16 20	1 39	10 26	0 27	8 57	1 57	31 26	14 57	14 49	14 23	19 57		n.a.
S 7	23 37	2 8	3 28	23 4	0 17	15 28	0 44	23 39	1 11	1 8	1 17	16 19	1 39	10 27	0 27	8 57	1 57	31 26	14 58	14 49	14 24	19 57		n.a.
M 8	23 34	2s20	4 14	23 24	0 4	15 3	0 40	23 34	1 11	1 5	1 17	16 19	1 39	10 28	0 27	8 57	1 57	31 27	14 58	14 49	14 25	19 57		n.a.
T 9	23 30	6 34	4 47	23 43	0n 9	14 38	0 36	23 28	1 11	1 2	1 17	16 18	1 38	10 28	0 27	8 57	1 57	31 27	14 58	14 50	14 26	19 57		n.a.
W10	23 26	10 26	5 5	24 0	0 21	14 12	0 31	23 23	1 11	1 0	1 16	16 18	1 38	10 29	0 27	8 57	1 57	31 28	14 58	14 51	14 27	19 57		n.a.
T 11	23 22	13 48	5 10	24 15	0 32	13 46	0 27	23 17	1 11	0 57	1 16	16 18	1 38	10 29	0 27	8 57	1 57	31 28	14 59	14 53	14 28	19 57		n.a.
F 12	23 17	16 32	5 0	24 28	0 42	13 20	0 23	23 11	1 11	0 54	1 16	16 17	1 38	10 30	0 27	8 57	1 57	31 29	14 59	14 55	14 29	19 58		n.a.
S 13	23 12	18 33	4 37	24 39	0 52	12 53	0 18	23 4	1 11	0 51	1 16	16 17	1 38	10 30	0 27	8 57	1 57	31 29	14 59	14 57	14 30	19 58		n.a.
S 14	23 6	19 44	4 2	24 47	1 1	12 26	0 13	22 58	1 10	0 48	1 15	16 17	1 37	10 31	0 27	8 57	1 57	31 30	14 59	14 59	14 31	19 58		n.a.
M15	23 0	20 3	3 17	24 52	1 10	11 59	0 9	22 51	1 10	0 45	1 15	16 16	1 37	10 31	0 27	8 57	1 57	31 30	14 59	15 1	14 33	19 58		n.a.
T 16	22 54	19 29	2 23	24 55	1 17	11 32	0 4	22 44	1 10	0 42	1 15	16 16	1 37	10 32	0 27	8 57	1 56	31 31	15 0	15 3	14 34	19 58		n.a.
W17	22 47	18 4	1 23	24 55	1 23	11 4	0s 1	22 37	1 10	0 39	1 15	16 16	1 37	10 32	0 27	8 57	1 56	31 31	15 0	15 4	14 35	19 58		n.a.
T 18	22 40	15 51	0 19	24 53	1 29	10 36	0 6	22 30	1 10	0 36	1 14	16 16	1 36	10 33	0 27	8 57	1 56	31 32	15 0	15 4	14 36	19 58		n.a.
F 19	22 32	12 56	0s47	24 47	1 34	10 8	0 11	22 23	1 10	0 32	1 14	16 16	1 36	10 33	0 27	8 57	1 56	31 32	15 0	15 4	14 37	19 58		n.a.
S 20	22 24	9 26	1 51	24 39	1 38	9 40	0 17	22 16	1 10	0 29	1 14	16 16	1 36	10 34	0 27	8 57	1 56	31 33	15 0	15 3	14 38	19 58		n.a.
S 21	22 16	5 29	2 51	24 29	1 41	9 12	0 22	22 8	1 10	0 26	1 14	16 15	1 36	10 34	0 27	8 57	1 56	31 33	15 1	15 3	14 39	19 58		n.a.
M22	22 7	1 13	3 45	24 16	1 44	8 44	0 27	22 0	1 10	0 22	1 13	16 15	1 36	10 34	0 27	8 58	1 56	31 34	15 1	15 2	14 40	19 58		n.a.
T 23	21 58	3n12	4 28	24 1	1 46	8 15	0 33	21 52	1 10	0 19	1 13	16 15	1 35	10 35	0 27	8 58	1 56	31 34	15 1	15 2	14 41	19 58		n.a.
W24	21 49	7 36	4 59	23 43	1 47	7 47	0 39	21 44	1 10	0 15	1 13	16 15	1 35	10 35	0 27	8 58	1 56	31 35	15 1	15 2	14 42	19 59		n.a.
T 25	21 39	11 44	5 14	23 24	1 48	7 18	0 44	21 36	1 10	0 12	1 13	16 15	1 35	10 35	0 27	8 58	1 56	31 35	15 1	15 3	14 43	19 59		n.a.
F 26	21 28	15 21	5 10	23 2	1 47	6 49	0 50	21 27	1 10	0 8	1 12	16 15	1 35	10 36	0 27	8 58	1 56	31 36	15 1	15 3	14 44	19 59		n.a.
S 27	21 17	18 7	4 46	22 38	1 47	6 20	0 56	21 19	1 10	0 5	1 12	16 15	1 35	10 36	0 27	8 58	1 56	31 36	15 1	15 4	14 45	19 59		n.a.
S 28	21 6	19 44	4 3	22 13	1 45	5 51	1 2	21 10	1 10	0 1	1 12	16 15	1 34	10 36	0 27	8 58	1 56	31 37	15 2	15 5	14 46	19 59		n.a.
M29	20 55	19 57	3 2	21 46	1 44	5 22	1 8	21 1	1 10	0s 3	1 12	16 16	1 34	10 36	0 27	8 59	1 56	31 37	15 2	15 6	14 47	19 59		n.a.
T 30	20 43	18 44	1 48	21 18	1 41	4 53	1 14	20 52	1 10	0 7	1 11	16 16	1 34	10 37	0 27	8 59	1 55	31 38	15 2	15 7	14 48	19 59		n.a.
W31	20n31	16n12	0s27	20n48	1n38	4n24	1s20	20n43	1n 9	0s10	1n11	16s16	1n34	10n37	0s27	8s59	1n55	31s38	15s 2	15n 7	14n49	19s59		n.a.

Julian Day Number = 1479078.5, Delta T = 05h24m18s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'13, Lahiri = -13°07'13 Julian Calendar 1 July 664 BCE == Greg. Calendar 24 June 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

AUGUST 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 9 38	0♌35'14	29♌35	7♌ 9	16♍54	4♌23	3♎16	19°D12	28♈21	27♎39	12°R26	19♌41	20♌34	13♉42	n.a.	T 1
F 2	20 13 35	1°33'29	14♍ 0	8°58	17°53	5° 1	3°26	19♏12	28°22	27°39	12♒25	19°42	20°31	13°48	n.a.	F 2
S 3	20 17 31	2°31'47	28° 0	10°45	18°52	5°40	3°35	19°12	28°22	27°40	12°24	19°43	20°28	13°55	n.a.	S 3
S 4	20 21 28	3°30'05	11♎32	12°32	19°50	6°19	3°44	19°12	28°23	27°40	12°23	19°44	20°25	14° 2	n.a.	S 4
M 5	20 25 24	4°28'26	24°40	14°17	20°48	6°57	3°54	19°12	28°23	27°41	12°21	19°45	20°22	14° 8	n.a.	M 5
T 6	20 29 21	5°26'48	7♏25	16° 2	21°46	7°36	4° 3	19°13	28°23	27°42	12°20	19°R45	20°18	14°15	n.a.	T 6
W 7	20 33 17	6°25'12	19°51	17°45	22°43	8°15	4°13	19°13	28°23	27°42	12°19	19°45	20°15	14°22	n.a.	W 7
T 8	20 37 14	7°23'37	2♐ 2	19°27	23°39	8°53	4°23	19°14	28°24	27°43	12°18	19°44	20°12	14°28	n.a.	T 8
F 9	20 41 11	8°22'05	14° 2	21° 8	24°35	9°32	4°33	19°15	28°24	27°44	12°17	19°42	20° 9	14°35	n.a.	F 9
S 10	20 45 7	9°20'34	25°56	22°47	25°31	10°11	4°43	19°16	28°24	27°44	12°15	19°41	20° 6	14°42	n.a.	S 10
S 11	20 49 4	10°19'05	7♑46	24°26	26°26	10°50	4°53	19°17	28°R24	27°45	12°14	19°39	20° 3	14°48	n.a.	S 11
M12	20 53 0	11°17'38	19°35	26° 4	27°20	11°29	5° 3	19°18	28°24	27°46	12°13	19°38	19°59	14°55	n.a.	M12
T 13	20 56 57	12°16'13	1♒27	27°40	28°15	12° 7	5°13	19°19	28°24	27°47	12°12	19°38	19°56	15° 2	n.a.	T 13
W14	21 0 53	13°14'50	13°23	29°15	29° 8	12°46	5°24	19°20	28°24	27°48	12°10	19°37	19°53	15° 8	n.a.	W14
T 15	21 4 50	14°13'29	25°26	0♍50	0♎ 1	13°25	5°34	19°21	28°24	27°49	12° 9	19°D37	19°50	15°15	n.a.	T 15
F 16	21 8 46	15°12'10	7♓37	2°23	0°53	14° 4	5°45	19°23	28°23	27°50	12° 8	19°37	19°47	15°22	n.a.	F 16
S 17	21 12 43	16°10'53	19°58	3°56	1°45	14°43	5°55	19°24	28°23	27°51	12° 7	19°38	19°44	15°28	n.a.	S 17
S 18	21 16 39	17° 9'39	2♈31	5°27	2°36	15°22	6° 6	19°26	28°23	27°52	12° 5	19°38	19°40	15°35	n.a.	S 18
M19	21 20 36	18° 8'26	15°19	6°57	3°26	16° 1	6°17	19°28	28°22	27°53	12° 4	19°38	19°37	15°42	n.a.	M19
T 20	21 24 33	19° 7'16	28°22	8°27	4°16	16°40	6°28	19°29	28°22	27°54	12° 3	19°38	19°34	15°48	n.a.	T 20
W21	21 28 29	20° 6'09	11♉44	9°55	5° 4	17°19	6°39	19°31	28°22	27°55	12° 2	19°R38	19°31	15°55	n.a.	W21
T 22	21 32 26	21° 5'04	25°25	11°22	5°53	17°58	6°50	19°33	28°21	27°56	12° 0	19°D38	19°28	16° 2	n.a.	T 22
F 23	21 36 22	22° 4'01	9♊26	12°48	6°40	18°37	7° 1	19°35	28°20	27°57	11°59	19°38	19°24	16° 8	n.a.	F 23
S 24	21 40 19	23° 3'02	23°47	14°13	7°26	19°16	7°12	19°37	28°20	27°58	11°58	19°39	19°21	16°15	n.a.	S 24
S 25	21 44 15	24° 2'04	8♋23	15°38	8°12	19°56	7°23	19°40	28°19	27°59	11°57	19°39	19°18	16°22	n.a.	S 25
M26	21 48 12	25° 1'09	23°12	17° 0	8°57	20°35	7°35	19°42	28°18	28° 1	11°56	19°39	19°15	16°28	n.a.	M26
T 27	21 52 8	26° 0'16	8♌ 6	18°22	9°41	21°14	7°46	19°44	28°18	28° 2	11°54	19°40	19°12	16°35	n.a.	T 27
W28	21 56 5	26°59'25	22°58	19°43	10°24	21°53	7°57	19°47	28°17	28° 3	11°53	19°R40	19° 9	16°42	n.a.	W28
T 29	22 0 2	27°58'37	7♍40	21° 2	11° 6	22°32	8° 9	19°50	28°16	28° 5	11°52	19°40	19° 5	16°48	n.a.	T 29
F 30	22 3 58	28°57'50	22° 5	22°20	11°47	23°12	8°21	19°52	28°15	28° 6	11°51	19°39	19° 2	16°55	n.a.	F 30
S 31	22 7 55	29♌57'06	6♎ 8	23♍37	12♎27	23♌51	8♎32	19♏55	28♈14	28♎ 7	11♒50	19♌38	18♌59	17♉ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n18	12n38	0n54	20n17	1n35	3n55	1s26	20n33	1n 9	0s14	1n11	16s16	1n33	10n37	0s27	8s59	1n55	31s39	15s 2	15n 7	14n50	19s59			n.a.
F 2	20 5	8 23	2 11	19 44	1 32	3 26	1 33	20 24	1 9	0 18	1 11	16 16	1 33	10 37	0 27	9 0	1 55	31 39	15 2	15 7	14 51	19 59			n.a.
S 3	19 52	3 48	3 16	19 11	1 27	2 57	1 39	20 14	1 9	0 22	1 11	16 17	1 33	10 37	0 27	9 0	1 55	31 40	15 2	15 6	14 52	19 59			n.a.
S 4	19 39	0s49	4 9	18 36	1 23	2 28	1 46	20 4	1 9	0 26	1 10	16 17	1 33	10 37	0 27	9 0	1 55	31 40	15 2	15 6	14 53	19 59			n.a.
M 5	19 25	5 14	4 47	18 1	1 18	1 59	1 52	19 54	1 9	0 30	1 10	16 17	1 33	10 38	0 27	9 0	1 55	31 41	15 2	15 6	14 54	19 59			n.a.
T 6	19 10	9 18	5 9	17 25	1 13	1 30	1 59	19 44	1 9	0 34	1 10	16 18	1 32	10 38	0 27	9 1	1 55	31 41	15 2	15 6	14 55	19 59			n.a.
W 7	18 56	12 52	5 17	16 48	1 8	1 1	2 6	19 34	1 9	0 38	1 10	16 18	1 32	10 38	0 27	9 1	1 55	31 42	15 2	15 6	14 56	19 59			n.a.
T 8	18 41	15 48	5 9	16 11	1 2	0 32	2 12	19 23	1 9	0 42	1 9	16 18	1 32	10 38	0 27	9 1	1 55	31 42	15 3	15 6	14 57	19 59			n.a.
F 9	18 25	18 1	4 49	15 33	0 57	0 3	2 19	19 13	1 9	0 46	1 9	16 19	1 32	10 38	0 27	9 2	1 55	31 42	15 3	15 7	14 58	19 59			n.a.
S 10	18 10	19 27	4 16	14 54	0 51	0s25	2 26	19 2	1 8	0 51	1 9	16 19	1 32	10 38	0 27	9 2	1 55	31 43	15 3	15 7	14 59	19 59			n.a.
S 11	17 54	20 1	3 32	14 15	0 44	0 54	2 33	18 51	1 8	0 55	1 9	16 20	1 31	10 38	0 27	9 2	1 55	31 43	15 3	15 8	15 0	19 59			n.a.
M12	17 38	19 42	2 39	13 36	0 38	1 22	2 40	18 40	1 8	0 59	1 9	16 20	1 31	10 38	0 27	9 3	1 55	31 44	15 3	15 8	15 1	19 59			n.a.
T 13	17 21	18 30	1 39	12 56	0 31	1 50	2 47	18 29	1 8	1 3	1 8	16 21	1 31	10 38	0 27	9 3	1 55	31 44	15 3	15 8	15 2	19 59			n.a.
W14	17 5	16 29	0 35	12 16	0 24	2 18	2 54	18 18	1 8	1 8	1 8	16 21	1 31	10 38	0 27	9 3	1 54	31 44	15 3	15 8	15 3	19 59			n.a.
T 15	16 47	13 44	0s32	11 36	0 17	2 46	3 1	18 6	1 8	1 12	1 8	16 22	1 30	10 38	0 27	9 4	1 54	31 45	15 3	15 8	15 4	19 59			n.a.
F 16	16 30	10 21	1 38	10 56	0 10	3 14	3 9	17 55	1 8	1 17	1 8	16 22	1 30	10 38	0 27	9 4	1 54	31 45	15 3	15 8	15 5	19 59			n.a.
S 17	16 12	6 29	2 41	10 15	0 3	3 41	3 16	17 43	1 8	1 21	1 8	16 23	1 30	10 37	0 27	9 5	1 54	31 46	15 3	15 8	15 6	19 59			n.a.
S 18	15 54	2 17	3 37	9 35	0s 4	4 9	3 23	17 31	1 7	1 25	1 7	16 24	1 30	10 37	0 27	9 5	1 54	31 46	15 3	15 8	15 7	19 59			n.a.
M19	15 36	2n 5	4 23	8 54	0 12	4 36	3 30	17 20	1 7	1 30	1 7	16 24	1 30	10 37	0 27	9 5	1 54	31 46	15 3	15 8	15 8	19 59			n.a.
T 20	15 18	6 26	4 56	8 13	0 19	5 2	3 38	17 7	1 7	1 34	1 7	16 25	1 29	10 37	0 27	9 6	1 54	31 47	15 3	15 8	15 9	19 59			n.a.
W21	14 59	10 35	5 15	7 33	0 27	5 29	3 45	16 55	1 7	1 39	1 7	16 26	1 29	10 37	0 27	9 6	1 54	31 47	15 3	15 8	15 10	19 59			n.a.
T 22	14 40	14 16	5 16	6 52	0 34	5 55	3 52	16 43	1 7	1 44	1 7	16 26	1 29	10 37	0 27	9 7	1 54	31 47	15 3	15 8	15 11	19 59			n.a.
F 23	14 21	17 15	4 59	6 12	0 42	6 20	4 0	16 31	1 7	1 48	1 7	16 27	1 29	10 36	0 27	9 7	1 54	31 48	15 3	15 8	15 12	19 58			n.a.
S 24	14 1	19 15	4 23	5 32	0 50	6 46	4 7	16 18	1 7	1 53	1 6	16 28	1 28	10 36	0 27	9 8	1 54	31 48	15 3	15 8	15 13	19 58			n.a.
S 25	13 42	20 1	3 30	4 52	0 57	7 11	4 15	16 5	1 6	1 58	1 6	16 29	1 28	10 36	0 27	9 8	1 54	31 48	15 3	15 8	15 14	19 58			n.a.
M26	13 22	19 25	2 22	4 12	1 5	7 36	4 22	15 53	1 6	2 2	1 6	16 30	1 28	10 36	0 28	9 9	1 54	31 49	15 3	15 8	15 15	19 58			n.a.
T 27	13 2	17 28	1 4	3 33	1 13	8 0	4 29	15 40	1 6	2 7	1 6	16 30	1 28	10 35	0 28	9 9	1 54	31 49	15 2	15 8	15 16	19 58			n.a.
W28	12 41	14 20	0n18	2 54	1 20	8 24	4 37	15 27	1 6	2 12	1 6	16 31	1 28	10 35	0 28	9 10	1 54	31 49	15 2	15 7	15 17	19 58			n.a.
T 29	12 21	10 20	1 38	2 15	1 28	8 48	4 44	15 14	1 6	2 17	1 6	16 32	1 27	10 35	0 28	9 10	1 54	31 50	15 2	15 8	15 18	19 58			n.a.
F 30	12 0	5 47	2 50	1 37	1 36	9 11	4 52	15 0	1 6	2 21	1 5	16 33	1 27	10 34	0 28	9 11	1 54	31 50	15 2	15 8	15 19	19 58			n.a.
S 31	11n39	1n 3	3n50	1n 0	1s43	9s33	4s59	14n47	1n 5	2s26	1n 5	16s34	1n27	10n34	0s28	9s11	1n53	31s50	15s 2	15n 8	15n20	19s58			n.a.

Julian Day Number = 1479109.5, Delta T = 05h24m17s
Ecliptic obliquity = 23°46'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'09, Lahiri = -13°07'09 Julian Calendar 1 Aug. 664 BCE == Greg. Calendar 25 July 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

SEPTEMBER 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 11 51	0♍56'24	19♎47	24♍53	13♎ 5	24♌30	8♎44	19♏58	28°R13	28♎ 9	11°R49	19°R36	18♌56	17♉ 8	n.a.	S 1
M 2	22 15 48	1°55'43	3♏ 0	26° 6	13°43	25°10	8°56	20° 1	28♈12	28°10	11♒47	19♌35	18°53	17°15	n.a.	M 2
T 3	22 19 44	2°55'05	15°50	27°19	14°19	25°49	9° 8	20° 4	28°11	28°11	11°46	19°34	18°49	17°22	n.a.	T 3
W 4	22 23 41	3°54'28	28°18	28°29	14°54	26°29	9°20	20° 7	28°10	28°13	11°45	19°D33	18°46	17°28	n.a.	W 4
T 5	22 27 37	4°53'53	10♐30	29°38	15°28	27° 8	9°32	20°10	28° 9	28°14	11°44	19°33	18°43	17°35	n.a.	T 5
F 6	22 31 34	5°53'21	22°29	0♎44	16° 0	27°48	9°44	20°14	28° 7	28°16	11°43	19°34	18°40	17°42	n.a.	F 6
S 7	22 35 30	6°52'50	4♉21	1°49	16°31	28°27	9°56	20°17	28° 6	28°18	11°42	19°35	18°37	17°48	n.a.	S 7
S 8	22 39 27	7°52'21	16°10	2°51	17° 1	29° 7	10° 9	20°21	28° 5	28°19	11°41	19°37	18°34	17°55	n.a.	S 8
M 9	22 43 24	8°51'54	28° 1	3°50	17°29	29°46	10°21	20°24	28° 3	28°21	11°40	19°38	18°30	18° 2	n.a.	M 9
T 10	22 47 20	9°51'29	9♒56	4°47	17°55	0♍26	10°33	20°28	28° 2	28°22	11°39	19°39	18°27	18° 8	n.a.	T 10
W11	22 51 17	10°51'06	22° 0	5°41	18°20	1° 5	10°46	20°32	28° 1	28°24	11°37	19°R39	18°24	18°15	n.a.	W11
T 12	22 55 13	11°50'45	4♓14	6°31	18°42	1°45	10°58	20°36	27°59	28°26	11°36	19°39	18°21	18°22	n.a.	T 12
F 13	22 59 10	12°50'26	16°41	7°17	19° 3	2°25	11°10	20°39	27°58	28°27	11°35	19°37	18°18	18°28	n.a.	F 13
S 14	23 3 6	13°50'09	29°21	8° 0	19°23	3° 4	11°23	20°43	27°56	28°29	11°34	19°34	18°15	18°35	n.a.	S 14
S 15	23 7 3	14°49'54	12♈14	8°37	19°40	3°44	11°36	20°47	27°54	28°31	11°33	19°30	18°11	18°42	n.a.	S 15
M16	23 10 59	15°49'42	25°21	9°10	19°55	4°24	11°48	20°52	27°53	28°33	11°32	19°26	18° 8	18°48	n.a.	M16
T 17	23 14 56	16°49'32	8♉41	9°38	20° 9	5° 4	12° 1	20°56	27°51	28°34	11°31	19°22	18° 5	18°55	n.a.	T 17
W18	23 18 52	17°49'24	22°14	9°59	20°20	5°44	12°14	21° 0	27°49	28°36	11°30	19°18	18° 2	19° 2	n.a.	W18
T 19	23 22 49	18°49'19	5♊58	10°14	20°29	6°23	12°26	21° 4	27°47	28°38	11°29	19°16	17°59	19° 8	n.a.	T 19
F 20	23 26 46	19°49'16	19°55	10°22	20°36	7° 3	12°39	21° 9	27°46	28°40	11°29	19°D16	17°55	19°15	n.a.	F 20
S 21	23 30 42	20°49'15	4♋ 2	10°R22	20°40	7°43	12°52	21°13	27°44	28°42	11°28	19°16	17°52	19°22	n.a.	S 21
S 22	23 34 39	21°49'17	18°18	10°14	20°R43	8°23	13° 5	21°18	27°42	28°44	11°27	19°18	17°49	19°28	n.a.	S 22
M23	23 38 35	22°49'21	2♌42	9°57	20°42	9° 3	13°18	21°23	27°40	28°45	11°26	19°19	17°46	19°35	n.a.	M23
T 24	23 42 32	23°49'27	17°10	9°31	20°40	9°43	13°31	21°27	27°38	28°47	11°25	19°R20	17°43	19°42	n.a.	T 24
W25	23 46 28	24°49'36	1♍37	8°55	20°35	10°23	13°44	21°32	27°36	28°49	11°24	19°19	17°40	19°48	n.a.	W25
T 26	23 50 25	25°49'46	15°59	8°11	20°28	11° 3	13°57	21°37	27°34	28°51	11°23	19°17	17°36	19°55	n.a.	T 26
F 27	23 54 21	26°49'58	0♎10	7°17	20°19	11°43	14°10	21°42	27°32	28°53	11°22	19°13	17°33	20° 2	n.a.	F 27
S 28	23 58 18	27°50'13	14° 5	6°16	20° 6	12°24	14°23	21°47	27°30	28°55	11°22	19° 7	17°30	20° 8	n.a.	S 28
S 29	0 2 15	28°50'29	27°41	5° 7	19°52	13° 4	14°36	21°52	27°28	28°57	11°21	19° 0	17°27	20°15	n.a.	S 29
M30	0 6 11	29♍50'47	10♏54	3♎53	19♎35	13♍44	14♎49	21♏57	27♈26	28♎59	11♒20	18♌53	17♌24	20♉22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n18	3s36	4n35	0n23	1s50	9s55	5s 6	14n33	1n 5	2s31	1n 5	16s35	1n27	10n34	0s28	9s12	1n53	31s51	15s 2	15n 9	15n21	19s58		n.a.
M 2	10 56	7 56	5 4	0s14	1 58	10 17	5 13	14 20	1 5	2 36	1 5	16 36	1 27	10 33	0 28	9 12	1 53	31 51	15 2	15 9	15 22	19 58		n.a.
T 3	10 35	11 46	5 16	0 49	2 5	10 38	5 21	14 6	1 5	2 41	1 5	16 37	1 26	10 33	0 28	9 13	1 53	31 51	15 2	15 9	15 23	19 58		n.a.
W 4	10 13	14 58	5 13	1 24	2 12	10 58	5 28	13 52	1 5	2 46	1 5	16 38	1 26	10 32	0 28	9 14	1 53	31 51	15 2	15 10	15 24	19 57		n.a.
T 5	9 51	17 27	4 56	1 58	2 19	11 18	5 35	13 39	1 4	2 51	1 4	16 39	1 26	10 32	0 28	9 14	1 53	31 52	15 2	15 10	15 25	19 57		n.a.
F 6	9 29	19 8	4 26	2 31	2 25	11 37	5 42	13 25	1 4	2 56	1 4	16 40	1 26	10 31	0 28	9 15	1 53	31 52	15 2	15 9	15 26	19 57		n.a.
S 7	9 6	19 57	3 45	3 2	2 31	11 56	5 49	13 11	1 4	3 1	1 4	16 41	1 26	10 31	0 28	9 15	1 53	31 52	15 1	15 9	15 27	19 57		n.a.
S 8	8 44	19 53	2 55	3 33	2 38	12 14	5 55	12 56	1 4	3 5	1 4	16 43	1 25	10 31	0 28	9 16	1 53	31 52	15 1	15 9	15 28	19 57		n.a.
M 9	8 21	18 56	1 57	4 2	2 43	12 31	6 2	12 42	1 4	3 11	1 4	16 44	1 25	10 30	0 28	9 17	1 53	31 52	15 1	15 8	15 29	19 57		n.a.
T 10	7 59	17 9	0 53	4 30	2 49	12 47	6 9	12 28	1 3	3 16	1 4	16 45	1 25	10 29	0 28	9 17	1 53	31 53	15 1	15 8	15 30	19 57		n.a.
W11	7 36	14 34	0s13	4 56	2 54	13 2	6 15	12 13	1 3	3 21	1 4	16 46	1 25	10 29	0 28	9 18	1 53	31 53	15 1	15 8	15 31	19 57		n.a.
T 12	7 13	11 19	1 20	5 21	2 58	13 17	6 21	11 59	1 3	3 26	1 3	16 47	1 25	10 28	0 28	9 19	1 53	31 53	15 1	15 8	15 32	19 57		n.a.
F 13	6 50	7 31	2 23	5 43	3 3	13 31	6 27	11 44	1 3	3 31	1 3	16 49	1 24	10 28	0 28	9 19	1 53	31 53	15 1	15 8	15 33	19 56		n.a.
S 14	6 27	3 20	3 21	6 3	3 6	13 44	6 33	11 29	1 3	3 36	1 3	16 50	1 24	10 27	0 28	9 20	1 53	31 53	15 0	15 9	15 34	19 56		n.a.
S 15	6 3	1n 4	4 10	6 21	3 9	13 56	6 39	11 14	1 2	3 41	1 3	16 51	1 24	10 27	0 28	9 21	1 53	31 53	15 0	15 11	15 35	19 56		n.a.
M16	5 40	5 30	4 46	6 36	3 11	14 6	6 44	11 0	1 2	3 46	1 3	16 52	1 24	10 26	0 28	9 21	1 53	31 54	15 0	15 12	15 36	19 56		n.a.
T 17	5 16	9 44	5 8	6 49	3 13	14 16	6 49	10 45	1 2	3 51	1 3	16 54	1 24	10 25	0 28	9 22	1 53	31 54	15 0	15 13	15 37	19 56		n.a.
W18	4 53	13 32	5 13	6 58	3 13	14 25	6 54	10 30	1 2	3 56	1 3	16 55	1 24	10 25	0 28	9 23	1 53	31 54	15 0	15 14	15 38	19 56		n.a.
T 19	4 29	16 40	5 0	7 3	3 12	14 33	6 58	10 14	1 1	4 1	1 3	16 56	1 23	10 24	0 28	9 23	1 53	31 54	14 59	15 15	15 39	19 55		n.a.
F 20	4 5	18 54	4 30	7 4	3 11	14 39	7 3	9 59	1 1	4 7	1 2	16 58	1 23	10 23	0 28	9 24	1 52	31 54	14 59	15 15	15 40	19 55		n.a.
S 21	3 41	20 0	3 43	7 2	3 8	14 44	7 6	9 44	1 1	4 12	1 2	16 59	1 23	10 23	0 28	9 25	1 52	31 54	14 59	15 15	15 41	19 55		n.a.
S 22	3 17	19 50	2 42	6 54	3 3	14 48	7 10	9 28	1 1	4 17	1 2	17 0	1 23	10 22	0 28	9 25	1 52	31 54	14 59	15 15	15 42	19 55		n.a.
M23	2 53	18 22	1 30	6 42	2 57	14 51	7 13	9 13	1 0	4 22	1 2	17 2	1 23	10 21	0 28	9 26	1 52	31 54	14 59	15 14	15 43	19 55		n.a.
T 24	2 29	15 43	0 12	6 25	2 50	14 52	7 15	8 57	1 0	4 27	1 2	17 3	1 23	10 21	0 28	9 27	1 52	31 54	14 58	15 14	15 44	19 55		n.a.
W25	2 5	12 5	1n 7	6 2	2 40	14 52	7 17	8 42	1 0	4 32	1 2	17 5	1 22	10 20	0 28	9 28	1 52	31 54	14 58	15 14	15 45	19 54		n.a.
T 26	1 41	7 45	2 20	5 34	2 29	14 51	7 18	8 26	1 0	4 38	1 2	17 6	1 22	10 19	0 28	9 28	1 52	31 54	14 58	15 15	15 46	19 54		n.a.
F 27	1 17	3 3	3 24	5 1	2 16	14 48	7 19	8 10	0 59	4 43	1 2	17 7	1 22	10 18	0 28	9 29	1 52	31 54	14 58	15 16	15 47	19 54		n.a.
S 28	0 52	1s44	4 14	4 22	2 1	14 43	7 19	7 55	0 59	4 48	1 2	17 9	1 22	10 18	0 28	9 30	1 52	31 54	14 58	15 18	15 48	19 54		n.a.
S 29	0 28	6 18	4 49	3 39	1 45	14 37	7 19	7 39	0 59	4 53	1 2	17 10	1 22	10 17	0 28	9 31	1 52	31 54	14 57	15 20	15 49	19 54		n.a.
M30	0n 4	10s27	5n 7	2s53	1s26	14s30	7s18	7n23	0n59	4s59	1n 1	17s12	1n21	10n16	0s28	9s31	1n52	31s54	14s57	15n22	15n50	19s53		n.a.

Julian Day Number = 1479140.5, Delta T = 05h24m15s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'05, Lahiri = -13°07'05 Julian Calendar 1 Sept. 664 BCE == Greg. Calendar 25 Aug. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

OCTOBER 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 10 8	0♎51'07	23♏45	2°R35	19°R16	14♍24	15♎ 2	22♏ 2	27°R23	29♎ 1	11°R19	18°R47	17♌21	20♉28	n.a.	T 1
W 2	0 14 4	1°51'28	6♐16	1♎17	18♎55	15° 5	15°16	22° 8	27♈21	29° 3	11♒19	18♌42	17°17	20°35	n.a.	W 2
T 3	0 18 1	2°51'51	18°29	29♍59	18°31	15°45	15°29	22°13	27°19	29° 5	11°18	18°39	17°14	20°42	n.a.	T 3
F 4	0 21 57	3°52'15	0♉29	28°46	18° 6	16°25	15°42	22°18	27°17	29° 8	11°17	18°D37	17°11	20°48	n.a.	F 4
S 5	0 25 54	4°52'42	12°21	27°38	17°38	17° 5	15°55	22°24	27°15	29°10	11°17	18°38	17° 8	20°55	n.a.	S 5
S 6	0 29 50	5°53'09	24° 9	26°39	17° 9	17°46	16° 9	22°29	27°12	29°12	11°16	18°39	17° 5	21° 2	n.a.	S 6
M 7	0 33 47	6°53'38	6♒ 0	25°50	16°38	18°26	16°22	22°35	27°10	29°14	11°15	18°40	17° 1	21° 8	n.a.	M 7
T 8	0 37 44	7°54'09	17°59	25°11	16° 5	19° 7	16°35	22°40	27° 8	29°16	11°15	18°R41	16°58	21°15	n.a.	T 8
W 9	0 41 40	8°54'41	0♓ 8	24°44	15°31	19°47	16°49	22°46	27° 5	29°18	11°14	18°40	16°55	21°22	n.a.	W 9
T 10	0 45 37	9°55'14	12°33	24°29	14°57	20°28	17° 2	22°52	27° 3	29°20	11°14	18°37	16°52	21°28	n.a.	T 10
F 11	0 49 33	10°55'49	25°14	24°D25	14°21	21° 8	17°15	22°58	27° 0	29°22	11°13	18°32	16°49	21°35	n.a.	F 11
S 12	0 53 30	11°56'26	8♈14	24°32	13°45	21°49	17°29	23° 3	26°58	29°25	11°13	18°25	16°46	21°42	n.a.	S 12
S 13	0 57 26	12°57'04	21°31	24°50	13° 8	22°29	17°42	23° 9	26°56	29°27	11°12	18°15	16°42	21°48	n.a.	S 13
M14	1 1 23	13°57'44	5♉ 4	25°17	12°32	23°10	17°56	23°15	26°53	29°29	11°12	18° 5	16°39	21°55	n.a.	M14
T 15	1 5 19	14°58'25	18°50	25°53	11°56	23°51	18° 9	23°21	26°51	29°31	11°11	17°56	16°36	22° 2	n.a.	T 15
W16	1 9 16	15°59'08	2♊45	26°37	11°20	24°31	18°22	23°27	26°48	29°33	11°11	17°48	16°33	22° 8	n.a.	W16
T 17	1 13 12	16°59'53	16°46	27°28	10°45	25°12	18°36	23°33	26°46	29°36	11°10	17°41	16°30	22°15	n.a.	T 17
F 18	1 17 9	18° 0'40	0♋51	28°24	10°11	25°53	18°49	23°39	26°43	29°38	11°10	17°38	16°26	22°22	n.a.	F 18
S 19	1 21 6	19° 1'29	14°57	29°27	9°38	26°34	19° 3	23°46	26°41	29°40	11°10	17°D36	16°23	22°28	n.a.	S 19
S 20	1 25 2	20° 2'19	29° 3	0♎33	9° 6	27°15	19°16	23°52	26°38	29°42	11° 9	17°37	16°20	22°35	n.a.	S 20
M21	1 28 59	21° 3'11	13♌ 8	1°44	8°36	27°56	19°30	23°58	26°36	29°45	11° 9	17°R37	16°17	22°42	n.a.	M21
T 22	1 32 55	22° 4'04	27°11	2°58	8° 8	28°36	19°43	24° 4	26°33	29°47	11° 9	17°37	16°14	22°48	n.a.	T 22
W23	1 36 52	23° 4'59	11♍11	4°15	7°42	29°17	19°56	24°11	26°31	29°49	11° 9	17°35	16°11	22°55	n.a.	W23
T 24	1 40 48	24° 5'56	25° 6	5°34	7°17	29°58	20°10	24°17	26°28	29°51	11° 8	17°30	16° 7	23° 2	n.a.	T 24
F 25	1 44 45	25° 6'53	8♎52	6°56	6°55	0♎39	20°23	24°24	26°26	29°53	11° 8	17°22	16° 4	23° 8	n.a.	F 25
S 26	1 48 41	26° 7'52	22°27	8°19	6°35	1°20	20°37	24°30	26°23	29°56	11° 8	17°11	16° 1	23°15	n.a.	S 26
S 27	1 52 38	27° 8'53	5♏48	9°44	6°18	2° 2	20°50	24°37	26°21	29°58	11° 8	16°59	15°58	23°21	n.a.	S 27
M28	1 56 35	28° 9'54	18°51	11°11	6° 3	2°43	21° 4	24°43	26°18	0♏ 0	11° 8	16°46	15°55	23°28	n.a.	M28
T 29	2 0 31	29°10'57	1♐37	12°38	5°50	3°24	21°17	24°50	26°16	0° 3	11° 8	16°34	15°52	23°35	n.a.	T 29
W30	2 4 28	0♏12'00	14° 5	14° 6	5°40	4° 5	21°30	24°56	26°13	0° 5	11° 7	16°24	15°48	23°41	n.a.	W30
T 31	2 8 24	1♏13'05	26♐17	15♎35	5♎32	4♎46	21♎44	25♏ 3	26♈11	0♏ 7	11♒ 7	16♌16	15♌45	23♉48	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s21	13s59	5n 9	2s 4	1s 7	14s21	7s16	7n 7	0n58	5s 4	1n 1	17s13	1n21	10n15	0s28	9s32	1n52	31s54	14s57	15n24	15n51	19s53			n.a.
W 2	0 45	16 48	4 56	1 14	0 47	14 10	7 13	6 51	0 58	5 9	1 1	17 15	1 21	10 15	0 28	9 33	1 52	31 54	14 57	15 26	15 52	19 53			n.a.
T 3	1 9	18 48	4 29	0 24	0 26	13 58	7 10	6 35	0 58	5 14	1 1	17 16	1 21	10 14	0 28	9 34	1 52	31 54	14 56	15 27	15 53	19 53			n.a.
F 4	1 34	19 55	3 51	0n25	0 5	13 44	7 6	6 19	0 57	5 20	1 1	17 18	1 21	10 13	0 28	9 34	1 52	31 54	14 56	15 27	15 54	19 52			n.a.
S 5	1 58	20 8	3 4	1 11	0n15	13 29	7 1	6 2	0 57	5 25	1 1	17 20	1 21	10 12	0 28	9 35	1 52	31 54	14 56	15 27	15 55	19 52			n.a.
S 6	2 22	19 28	2 9	1 52	0 34	13 12	6 56	5 46	0 57	5 30	1 1	17 21	1 21	10 11	0 28	9 36	1 52	31 54	14 56	15 27	15 56	19 52			n.a.
M 7	2 46	17 56	1 8	2 28	0 52	12 54	6 49	5 30	0 56	5 35	1 1	17 23	1 20	10 10	0 28	9 37	1 52	31 54	14 55	15 26	15 57	19 52			n.a.
T 8	3 11	15 36	0 4	2 59	1 8	12 34	6 42	5 14	0 56	5 41	1 1	17 24	1 20	10 10	0 28	9 37	1 52	31 54	14 55	15 26	15 58	19 51			n.a.
W 9	3 35	12 32	1s 1	3 23	1 23	12 13	6 34	4 57	0 56	5 46	1 1	17 26	1 20	10 9	0 28	9 38	1 52	31 54	14 55	15 26	15 59	19 51			n.a.
T 10	3 59	8 52	2 5	3 41	1 36	11 51	6 25	4 41	0 56	5 51	1 1	17 27	1 20	10 8	0 28	9 39	1 52	31 54	14 54	15 27	16 0	19 51			n.a.
F 11	4 23	4 43	3 4	3 53	1 47	11 28	6 15	4 24	0 55	5 56	1 1	17 29	1 20	10 7	0 28	9 40	1 52	31 54	14 54	15 29	16 1	19 51			n.a.
S 12	4 47	0 16	3 54	3 59	1 57	11 4	6 4	4 8	0 55	6 2	1 0	17 31	1 20	10 6	0 28	9 41	1 52	31 54	14 54	15 31	16 2	19 50			n.a.
S 13	5 11	4n18	4 33	3 59	2 4	10 40	5 53	3 51	0 55	6 7	1 0	17 32	1 20	10 5	0 28	9 41	1 52	31 54	14 54	15 34	16 3	19 50			n.a.
M14	5 35	8 44	4 57	3 53	2 10	10 14	5 41	3 35	0 54	6 12	1 0	17 34	1 19	10 4	0 28	9 42	1 52	31 53	14 53	15 37	16 4	19 50			n.a.
T 15	5 59	12 47	5 5	3 43	2 15	9 48	5 29	3 18	0 54	6 17	1 0	17 36	1 19	10 3	0 28	9 43	1 52	31 53	14 53	15 40	16 5	19 50			n.a.
W16	6 22	16 11	4 55	3 28	2 18	9 22	5 16	3 1	0 54	6 22	1 0	17 37	1 19	10 3	0 28	9 44	1 52	31 53	14 53	15 43	16 6	19 49			n.a.
T 17	6 46	18 41	4 27	3 9	2 20	8 55	5 2	2 45	0 53	6 28	1 0	17 39	1 19	10 2	0 28	9 45	1 52	31 53	14 52	15 45	16 7	19 49			n.a.
F 18	7 10	20 3	3 43	2 47	2 21	8 29	4 48	2 28	0 53	6 33	1 0	17 41	1 19	10 1	0 28	9 45	1 52	31 53	14 52	15 46	16 8	19 49			n.a.
S 19	7 33	20 11	2 45	2 22	2 21	8 2	4 33	2 11	0 52	6 38	1 0	17 42	1 19	10 0	0 28	9 46	1 52	31 53	14 52	15 46	16 9	19 49			n.a.
S 20	7 56	19 3	1 38	1 54	2 19	7 36	4 18	1 54	0 52	6 43	1 0	17 44	1 19	9 59	0 28	9 47	1 52	31 52	14 52	15 46	16 10	19 48			n.a.
M21	8 20	16 44	0 24	1 24	2 17	7 10	4 3	1 38	0 52	6 49	1 0	17 46	1 18	9 58	0 28	9 48	1 52	31 52	14 51	15 46	16 11	19 48			n.a.
T 22	8 43	13 25	0n51	0 52	2 15	6 45	3 48	1 21	0 51	6 54	1 0	17 47	1 18	9 57	0 28	9 49	1 52	31 52	14 51	15 46	16 12	19 48			n.a.
W23	9 6	9 21	2 2	0 18	2 12	6 20	3 33	1 4	0 51	6 59	1 0	17 49	1 18	9 56	0 28	9 49	1 52	31 52	14 51	15 47	16 13	19 47			n.a.
T 24	9 28	4 48	3 5	0s18	2 8	5 56	3 17	0 47	0 51	7 4	1 0	17 51	1 18	9 55	0 28	9 50	1 52	31 52	14 50	15 48	16 13	19 47			n.a.
F 25	9 51	0 4	3 57	0 54	2 3	5 33	3 2	0 30	0 50	7 9	1 0	17 52	1 18	9 54	0 28	9 51	1 52	31 51	14 50	15 51	16 14	19 47			n.a.
S 26	10 14	4s37	4 35	1 32	1 59	5 11	2 46	0 13	0 50	7 14	1 0	17 54	1 18	9 53	0 28	9 52	1 52	31 51	14 50	15 54	16 15	19 46			n.a.
S 27	10 36	8 59	4 56	2 10	1 54	4 50	2 31	0s 4	0 50	7 20	1 0	17 56	1 18	9 52	0 28	9 53	1 52	31 51	14 49	15 58	16 16	19 46			n.a.
M28	10 58	12 50	5 2	2 50	1 48	4 30	2 15	0 21	0 49	7 25	1 0	17 58	1 18	9 52	0 28	9 54	1 52	31 51	14 49	16 2	16 17	19 46			n.a.
T 29	11 20	16 1	4 52	3 29	1 42	4 11	2 0	0 38	0 49	7 30	1 0	17 59	1 17	9 51	0 28	9 54	1 52	31 50	14 49	16 5	16 18	19 45			n.a.
W30	11 42	18 23	4 28	4 9	1 37	3 54	1 46	0 54	0 48	7 35	0 59	18 1	1 17	9 50	0 28	9 55	1 52	31 50	14 48	16 9	16 19	19 45			n.a.
T 31	12s 4	19s51	3n52	4s50	1n30	3s37	1s31	1s11	0n48	7s40	0n59	18s 3	1n17	9n49	0s28	9s56	1n52	31s50	14s48	16n11	16n20	19s45			n.a.

Julian Day Number = 1479170.5, Delta T = 05h24m14s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°14'01, Lahiri = -13°07'00 Julian Calendar 1 Oct. 664 BCE == Greg. Calendar 24 Sept. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

NOVEMBER 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 12 21	2♏14'10	8♉16	17♎ 5	5°R27	5♎27	21♎57	25♏ 9	26°R 8	0♏ 9	11°R 7	16°R11	15♌42	23♉55	n.a.	F 1
S 2	2 16 17	3°15'16	20° 7	18°35	5♎24	6° 9	22°10	25°16	26♈ 6	0°12	11°D 7	16♌ 8	15°39	24° 1	n.a.	S 2
S 3	2 20 14	4°16'22	1♒55	20° 5	5°D24	6°50	22°24	25°23	26° 3	0°14	11♒ 7	16°D 7	15°36	24° 8	n.a.	S 3
M 4	2 24 10	5°17'29	13°45	21°36	5°26	7°31	22°37	25°30	26° 1	0°16	11° 7	16°R 8	15°32	24°15	n.a.	M 4
T 5	2 28 7	6°18'37	25°43	23° 8	5°30	8°13	22°50	25°36	25°58	0°18	11° 8	16° 7	15°29	24°21	n.a.	T 5
W 6	2 32 4	7°19'45	7♓53	24°39	5°37	8°54	23° 4	25°43	25°56	0°21	11° 8	16° 6	15°26	24°28	n.a.	W 6
T 7	2 36 0	8°20'54	20°22	26°11	5°46	9°36	23°17	25°50	25°53	0°23	11° 8	16° 1	15°23	24°35	n.a.	T 7
F 8	2 39 57	9°22'03	3♈12	27°43	5°57	10°17	23°30	25°57	25°51	0°25	11° 8	15°55	15°20	24°41	n.a.	F 8
S 9	2 43 53	10°23'13	16°26	29°15	6°11	10°58	23°43	26° 4	25°48	0°27	11° 8	15°45	15°17	24°48	n.a.	S 9
S 10	2 47 50	11°24'24	0♉ 2	0♏48	6°26	11°40	23°56	26°11	25°46	0°30	11° 8	15°33	15°13	24°55	n.a.	S 10
M11	2 51 46	12°25'35	14° 0	2°20	6°44	12°22	24° 9	26°17	25°43	0°32	11° 8	15°20	15°10	25° 1	n.a.	M11
T 12	2 55 43	13°26'46	28°14	3°53	7° 4	13° 3	24°23	26°24	25°41	0°34	11° 9	15° 8	15° 7	25° 8	n.a.	T 12
W13	2 59 39	14°27'59	12♊37	5°26	7°26	13°45	24°36	26°31	25°39	0°36	11° 9	14°57	15° 4	25°15	n.a.	W13
T 14	3 3 36	15°29'12	27° 5	6°59	7°49	14°26	24°49	26°38	25°36	0°38	11° 9	14°48	15° 1	25°21	n.a.	T 14
F 15	3 7 33	16°30'25	11♋31	8°32	8°15	15° 8	25° 2	26°45	25°34	0°41	11°10	14°43	14°57	25°28	n.a.	F 15
S 16	3 11 29	17°31'40	25°50	10° 5	8°42	15°50	25°15	26°52	25°32	0°43	11°10	14°40	14°54	25°35	n.a.	S 16
S 17	3 15 26	18°32'55	10♌ 1	11°39	9°11	16°32	25°28	26°59	25°29	0°45	11°10	14°39	14°51	25°41	n.a.	S 17
M18	3 19 22	19°34'11	24° 1	13°13	9°41	17°13	25°41	27° 6	25°27	0°47	11°11	14°39	14°48	25°48	n.a.	M18
T 19	3 23 19	20°35'27	7♍51	14°46	10°13	17°55	25°53	27°13	25°25	0°49	11°11	14°38	14°45	25°55	n.a.	T 19
W20	3 27 15	21°36'44	21°32	16°20	10°47	18°37	26° 6	27°20	25°23	0°52	11°12	14°36	14°42	26° 1	n.a.	W20
T 21	3 31 12	22°38'01	5♎ 2	17°55	11°22	19°19	26°19	27°27	25°21	0°54	11°12	14°30	14°38	26° 8	n.a.	T 21
F 22	3 35 9	23°39'19	18°23	19°29	11°58	20° 1	26°32	27°34	25°18	0°56	11°12	14°22	14°35	26°15	n.a.	F 22
S 23	3 39 5	24°40'37	1♏34	21° 4	12°36	20°43	26°44	27°41	25°16	0°58	11°13	14°10	14°32	26°21	n.a.	S 23
S 24	3 43 2	25°41'55	14°32	22°39	13°15	21°25	26°57	27°48	25°14	1° 0	11°14	13°57	14°29	26°28	n.a.	S 24
M25	3 46 58	26°43'14	27°18	24°14	13°56	22° 7	27°10	27°55	25°12	1° 2	11°14	13°43	14°26	26°34	n.a.	M25
T 26	3 50 55	27°44'32	9♐51	25°50	14°37	22°49	27°22	28° 2	25°10	1° 4	11°15	13°30	14°23	26°41	n.a.	T 26
W27	3 54 51	28°45'51	22°10	27°26	15°20	23°31	27°35	28° 9	25° 8	1° 6	11°15	13°18	14°19	26°48	n.a.	W27
T 28	3 58 48	29°47'09	4♑16	29° 2	16° 3	24°13	27°47	28°17	25° 6	1° 8	11°16	13° 9	14°16	26°54	n.a.	T 28
F 29	4 2 44	0♐48'27	16°13	0♐38	16°48	24°55	28° 0	28°24	25° 4	1°10	11°17	13° 3	14°13	27° 1	n.a.	F 29
S 30	4 6 41	1♐49'45	28♑ 2	2♐15	17♎34	25♎38	28♎12	28♏31	25♈ 2	1♏12	11♒17	12♌59	14♌10	27♑ 8	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s25	20s24	3n 7	5s31	1n24	3s22	1s17	1s28	0n48	7s45	0n59	18s 4	1n17	9n48	0s28	9s57	1n52	31s49	14s48	16n12	16n21	19s44		n.a.
S 2	12 46	20 3	2 13	6 11	1 18	3 8	1 3	1 45	0 47	7 50	0 59	18 6	1 17	9 47	0 28	9 58	1 52	31 49	14 48	16 13	16 22	19 44		n.a.
S 3	13 7	18 48	1 15	6 52	1 11	2 55	0 49	2 2	0 47	7 55	0 59	18 8	1 17	9 46	0 28	9 58	1 52	31 49	14 47	16 13	16 23	19 44		n.a.
M 4	13 28	16 44	0 13	7 33	1 4	2 44	0 36	2 19	0 46	8 0	0 59	18 10	1 17	9 45	0 28	9 59	1 52	31 49	14 47	16 13	16 24	19 43		n.a.
T 5	13 49	13 55	0s51	8 13	0 57	2 34	0 23	2 36	0 46	8 5	0 59	18 11	1 17	9 44	0 28	10 0	1 52	31 48	14 47	16 14	16 25	19 43		n.a.
W 6	14 9	10 28	1 53	8 54	0 51	2 25	0 10	2 53	0 45	8 10	0 59	18 13	1 17	9 43	0 28	10 1	1 52	31 48	14 46	16 14	16 26	19 43		n.a.
T 7	14 29	6 29	2 51	9 34	0 44	2 18	0n 2	3 10	0 45	8 15	0 59	18 15	1 17	9 42	0 28	10 2	1 52	31 48	14 46	16 15	16 27	19 42		n.a.
F 8	14 49	2 6	3 42	10 14	0 37	2 11	0 14	3 27	0 45	8 20	0 59	18 16	1 16	9 42	0 28	10 2	1 52	31 47	14 46	16 17	16 28	19 42		n.a.
S 9	15 8	2n31	4 22	10 54	0 30	2 6	0 25	3 44	0 44	8 25	0 59	18 18	1 16	9 41	0 28	10 3	1 52	31 47	14 45	16 20	16 29	19 41		n.a.
S 10	15 28	7 8	4 49	11 33	0 23	2 3	0 36	4 0	0 44	8 30	0 59	18 20	1 16	9 40	0 28	10 4	1 52	31 46	14 45	16 24	16 30	19 41		n.a.
M11	15 47	11 29	5 0	12 12	0 16	2 0	0 47	4 17	0 43	8 35	0 59	18 22	1 16	9 39	0 28	10 5	1 52	31 46	14 45	16 28	16 31	19 41		n.a.
T 12	16 6	15 17	4 53	12 50	0 9	1 59	0 57	4 34	0 43	8 40	0 59	18 23	1 16	9 38	0 28	10 5	1 52	31 46	14 44	16 31	16 32	19 40		n.a.
W13	16 24	18 13	4 26	13 28	0 3	1 58	1 7	4 51	0 42	8 45	0 59	18 25	1 16	9 37	0 28	10 6	1 52	31 45	14 44	16 35	16 33	19 40		n.a.
T 14	16 42	20 1	3 43	14 6	0s 4	1 59	1 16	5 8	0 42	8 49	0 59	18 27	1 16	9 36	0 28	10 7	1 52	31 45	14 44	16 37	16 34	19 40		n.a.
F 15	17 0	20 31	2 46	14 43	0 11	2 1	1 25	5 25	0 41	8 54	0 59	18 28	1 16	9 36	0 28	10 8	1 52	31 45	14 43	16 39	16 34	19 39		n.a.
S 16	17 18	19 40	1 38	15 19	0 17	2 4	1 34	5 41	0 41	8 59	0 59	18 30	1 16	9 35	0 28	10 8	1 52	31 44	14 43	16 40	16 35	19 39		n.a.
S 17	17 35	17 35	0 25	15 55	0 24	2 8	1 42	5 58	0 40	9 4	0 59	18 32	1 16	9 34	0 27	10 9	1 52	31 44	14 43	16 40	16 36	19 38		n.a.
M18	17 52	14 29	0n49	16 30	0 30	2 13	1 50	6 15	0 40	9 9	0 59	18 34	1 16	9 33	0 27	10 10	1 52	31 43	14 42	16 40	16 37	19 38		n.a.
T 19	18 9	10 35	1 59	17 5	0 37	2 18	1 57	6 31	0 39	9 13	0 59	18 35	1 16	9 32	0 27	10 11	1 52	31 43	14 42	16 40	16 38	19 37		n.a.
W20	18 25	6 11	3 2	17 38	0 43	2 25	2 5	6 48	0 39	9 18	0 59	18 37	1 15	9 31	0 27	10 11	1 52	31 42	14 42	16 41	16 39	19 37		n.a.
T 21	18 41	1 32	3 53	18 11	0 49	2 33	2 12	7 4	0 38	9 23	0 59	18 39	1 15	9 31	0 27	10 12	1 52	31 42	14 41	16 43	16 40	19 37		n.a.
F 22	18 57	3s 8	4 31	18 43	0 55	2 41	2 18	7 21	0 38	9 27	0 59	18 40	1 15	9 30	0 27	10 13	1 52	31 42	14 41	16 45	16 41	19 36		n.a.
S 23	19 12	7 36	4 53	19 15	1 0	2 50	2 24	7 37	0 37	9 32	0 59	18 42	1 15	9 29	0 27	10 14	1 52	31 41	14 41	16 48	16 42	19 36		n.a.
S 24	19 27	11 38	5 1	19 45	1 6	3 0	2 30	7 54	0 37	9 37	0 59	18 44	1 15	9 28	0 27	10 14	1 52	31 41	14 40	16 52	16 43	19 35		n.a.
M25	19 42	15 5	4 52	20 15	1 11	3 11	2 36	8 10	0 36	9 41	0 59	18 45	1 15	9 28	0 27	10 15	1 52	31 40	14 40	16 56	16 44	19 35		n.a.
T 26	19 56	17 47	4 30	20 43	1 17	3 22	2 41	8 27	0 36	9 46	0 59	18 47	1 15	9 27	0 27	10 16	1 52	31 40	14 40	17 0	16 45	19 34		n.a.
W27	20 10	19 37	3 55	21 11	1 22	3 34	2 46	8 43	0 35	9 50	0 59	18 49	1 15	9 26	0 27	10 16	1 52	31 39	14 40	17 4	16 46	19 34		n.a.
T 28	20 23	20 32	3 10	21 38	1 26	3 47	2 51	8 59	0 35	9 55	0 59	18 50	1 15	9 25	0 27	10 17	1 52	31 39	14 39	17 6	16 47	19 33		n.a.
F 29	20 36	20 30	2 17	22 3	1 31	4 0	2 55	9 15	0 34	9 59	0 59	18 52	1 15	9 25	0 27	10 18	1 52	31 38	14 39	17 8	16 48	19 33		n.a.
S 30	20s49	19s34	1n19	22s27	1s35	4s14	2n59	9s31	0n34	10s 4	0n59	18s53	1n15	9n24	0s27	10s19	1n52	31s38	14s39	17n 9	16n49	19s33		n.a.

Julian Day Number = 1479201.5, Delta T = 05h24m12s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'57, Lahiri = -13°06'56 Julian Calendar 1 Nov. 664 BCE == Greg. Calendar 25 Oct. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 664 BCE
geocentric

DECEMBER 664 BCE (-663) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 10 38	2♐51'02	9♒48	3♐53	18♎20	26♎20	28♎24	28♏38	25°R 0	1♏14	11♒18	12°D58	14♌ 7	27♉14	n.a.	S 1
M 2	4 14 34	3°52'19	21°36	5°30	19° 8	27° 2	28°36	28°45	24♈59	1°16	11°19	12♌58	14° 3	27°21	n.a.	M 2
T 3	4 18 31	4°53'36	3♓32	7° 8	19°57	27°44	28°48	28°52	24°57	1°18	11°19	12°R59	14° 0	27°28	n.a.	T 3
W 4	4 22 27	5°54'51	15°40	8°46	20°46	28°27	29° 1	28°59	24°55	1°20	11°20	12°58	13°57	27°34	n.a.	W 4
T 5	4 26 24	6°56'06	28° 7	10°25	21°36	29° 9	29°13	29° 6	24°53	1°22	11°21	12°56	13°54	27°41	n.a.	T 5
F 6	4 30 20	7°57'21	10♈56	12° 4	22°27	29°51	29°25	29°13	24°52	1°24	11°22	12°51	13°51	27°48	n.a.	F 6
S 7	4 34 17	8°58'35	24°12	13°44	23°19	0♏34	29°36	29°20	24°50	1°26	11°23	12°44	13°48	27°54	n.a.	S 7
S 8	4 38 13	9°59'48	7♉56	15°24	24°11	1°16	29°48	29°27	24°48	1°28	11°23	12°35	13°44	28° 1	n.a.	S 8
M 9	4 42 10	11° 1'00	22° 6	17° 4	25° 4	1°59	29°59	29°34	24°47	1°30	11°24	12°25	13°41	28° 8	n.a.	M 9
T 10	4 46 7	12° 2'12	6♊38	18°45	25°58	2°41	0♏12	29°41	24°45	1°32	11°25	12°15	13°38	28°14	n.a.	T 10
W11	4 50 3	13° 3'24	21°25	20°26	26°53	3°24	0°23	29°48	24°44	1°33	11°26	12° 6	13°35	28°21	n.a.	W11
T 12	4 54 0	14° 4'35	6♋19	22° 7	27°48	4° 6	0°35	29°54	24°43	1°35	11°27	11°59	13°32	28°28	n.a.	T 12
F 13	4 57 56	15° 5'45	21°12	23°48	28°44	4°49	0°46	0♐ 1	24°41	1°37	11°28	11°54	13°29	28°34	n.a.	F 13
S 14	5 1 53	16° 6'55	5♌55	25°30	29°40	5°31	0°58	0° 8	24°40	1°39	11°29	11°D53	13°25	28°41	n.a.	S 14
S 15	5 5 49	17° 8'04	20°23	27°12	0♏37	6°14	1° 9	0°15	24°39	1°40	11°30	11°53	13°22	28°48	n.a.	S 15
M16	5 9 46	18° 9'13	4♍35	28°53	1°34	6°57	1°20	0°22	24°37	1°42	11°31	11°54	13°19	28°54	n.a.	M16
T 17	5 13 43	19°10'21	18°27	0♎35	2°32	7°39	1°31	0°29	24°36	1°44	11°32	11°R54	13°16	29° 1	n.a.	T 17
W18	5 17 39	20°11'29	2♎ 2	2°17	3°31	8°22	1°42	0°36	24°35	1°46	11°33	11°54	13°13	29° 7	n.a.	W18
T 19	5 21 36	21°12'36	15°21	3°58	4°30	9° 5	1°53	0°42	24°34	1°47	11°34	11°51	13° 9	29°14	n.a.	T 19
F 20	5 25 32	22°13'42	28°24	5°38	5°29	9°48	2° 4	0°49	24°33	1°49	11°35	11°46	13° 6	29°21	n.a.	F 20
S 21	5 29 29	23°14'48	11♏14	7°18	6°29	10°31	2°15	0°56	24°32	1°50	11°36	11°39	13° 3	29°27	n.a.	S 21
S 22	5 33 25	24°15'53	23°52	8°56	7°29	11°13	2°26	1° 2	24°31	1°52	11°38	11°30	13° 0	29°34	n.a.	S 22
M23	5 37 22	25°16'57	6♐19	10°33	8°30	11°56	2°36	1° 9	24°30	1°53	11°39	11°21	12°57	29°41	n.a.	M23
T 24	5 41 18	26°18'00	18°35	12° 8	9°31	12°39	2°47	1°16	24°29	1°55	11°40	11°12	12°54	29°47	n.a.	T 24
W25	5 45 15	27°19'03	0♑42	13°42	10°32	13°22	2°57	1°22	24°28	1°56	11°41	11° 4	12°50	29°54	n.a.	W25
T 26	5 49 12	28°20'04	12°41	15°12	11°34	14° 5	3° 7	1°29	24°28	1°58	11°42	10°58	12°47	0♒ 1	n.a.	T 26
F 27	5 53 8	29°21'03	24°32	16°39	12°36	14°48	3°18	1°35	24°27	1°59	11°44	10°55	12°44	0° 7	n.a.	F 27
S 28	5 57 5	0♑22'02	6♒20	18° 2	13°39	15°31	3°28	1°42	24°26	2° 1	11°45	10°D53	12°41	0°14	n.a.	S 28
S 29	6 1 1	1°22'59	18° 6	19°21	14°42	16°14	3°38	1°48	24°26	2° 2	11°46	10°53	12°38	0°21	n.a.	S 29
M30	6 4 58	2°23'54	29°54	20°35	15°45	16°58	3°48	1°55	24°25	2° 4	11°47	10°54	12°35	0°27	n.a.	M30
T 31	6 8 54	3♑24'48	11♓49	21♑42	16♏48	17♏41	3♏57	2♐ 1	24♈25	2♏ 5	11♒49	10♌56	12♌31	0♒34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	21s 1	17s46	0n17	22s51	1s39	4s28	3n 3	9s47	0n33	10s 8	0n59	18s55	1n15	9n23	0s27	10s19	1n52	31s37	14s38	17n 9	16n49	19s32			n.a.
M 2	21 13	15 13	0s46	23 13	1 43	4 43	3 6	10 3	0 32	10 12	0 59	18 57	1 15	9 23	0 27	10 20	1 52	31 37	14 38	17 9	16 50	19 32			n.a.
T 3	21 25	12 1	1 47	23 34	1 47	4 59	3 10	10 19	0 32	10 17	0 59	18 58	1 15	9 22	0 27	10 21	1 52	31 36	14 38	17 9	16 51	19 31			n.a.
W 4	21 36	8 15	2 45	23 53	1 50	5 15	3 13	10 35	0 31	10 21	0 59	19 0	1 15	9 22	0 27	10 21	1 52	31 36	14 37	17 9	16 52	19 31			n.a.
T 5	21 46	4 4	3 37	24 11	1 53	5 31	3 16	10 51	0 31	10 25	0 59	19 1	1 15	9 21	0 27	10 22	1 52	31 35	14 37	17 10	16 53	19 30			n.a.
F 6	21 56	0n26	4 19	24 28	1 56	5 48	3 18	11 6	0 30	10 30	0 59	19 3	1 14	9 20	0 27	10 22	1 52	31 35	14 37	17 11	16 54	19 30			n.a.
S 7	22 6	5 3	4 49	24 43	1 58	6 5	3 20	11 22	0 29	10 34	0 59	19 5	1 14	9 20	0 27	10 23	1 52	31 34	14 37	17 13	16 55	19 29			n.a.
S 8	22 16	9 34	5 3	24 57	2 0	6 22	3 22	11 38	0 29	10 38	0 59	19 6	1 14	9 19	0 27	10 24	1 52	31 34	14 36	17 16	16 56	19 29			n.a.
M 9	22 24	13 43	5 0	25 9	2 2	6 40	3 24	11 53	0 28	10 42	0 59	19 8	1 14	9 19	0 27	10 24	1 52	31 33	14 36	17 19	16 57	19 28			n.a.
T 10	22 33	17 10	4 37	25 20	2 3	6 59	3 26	12 8	0 28	10 46	1 0	19 9	1 14	9 18	0 27	10 25	1 52	31 33	14 36	17 22	16 58	19 28			n.a.
W11	22 41	19 34	3 56	25 29	2 4	7 17	3 27	12 24	0 27	10 50	1 0	19 11	1 14	9 18	0 27	10 26	1 52	31 32	14 36	17 24	16 59	19 27			n.a.
T 12	22 48	20 39	2 58	25 36	2 4	7 36	3 29	12 39	0 26	10 54	1 0	19 12	1 14	9 17	0 27	10 26	1 52	31 32	14 35	17 26	17 0	19 27			n.a.
F 13	22 56	20 17	1 49	25 41	2 4	7 55	3 30	12 54	0 26	10 58	1 0	19 14	1 14	9 17	0 27	10 27	1 52	31 31	14 35	17 28	17 1	19 26			n.a.
S 14	23 2	18 32	0 32	25 45	2 3	8 14	3 30	13 9	0 25	11 2	1 0	19 15	1 14	9 16	0 27	10 27	1 52	31 31	14 35	17 28	17 1	19 26			n.a.
S 15	23 8	15 37	0n46	25 46	2 2	8 33	3 31	13 24	0 25	11 6	1 0	19 17	1 14	9 16	0 27	10 28	1 52	31 30	14 35	17 28	17 2	19 25			n.a.
M16	23 14	11 48	1 59	25 46	2 0	8 53	3 31	13 39	0 24	11 10	1 0	19 18	1 14	9 15	0 27	10 28	1 52	31 29	14 34	17 28	17 3	19 25			n.a.
T 17	23 19	7 26	3 4	25 44	1 58	9 13	3 32	13 53	0 23	11 14	1 0	19 20	1 14	9 15	0 27	10 29	1 53	31 29	14 34	17 28	17 4	19 24			n.a.
W18	23 24	2 47	3 57	25 40	1 55	9 33	3 32	14 8	0 23	11 18	1 0	19 21	1 14	9 14	0 27	10 30	1 53	31 28	14 34	17 28	17 5	19 23			n.a.
T 19	23 29	1s54	4 35	25 34	1 51	9 53	3 32	14 23	0 22	11 22	1 0	19 23	1 14	9 14	0 27	10 30	1 53	31 28	14 34	17 29	17 6	19 23			n.a.
F 20	23 32	6 24	4 59	25 26	1 47	10 13	3 31	14 37	0 21	11 25	1 0	19 24	1 14	9 14	0 27	10 31	1 53	31 27	14 33	17 30	17 7	19 22			n.a.
S 21	23 36	10 32	5 7	25 16	1 42	10 33	3 31	14 51	0 21	11 29	1 0	19 25	1 14	9 13	0 27	10 31	1 53	31 27	14 33	17 32	17 8	19 22			n.a.
S 22	23 39	14 9	5 0	25 4	1 36	10 53	3 30	15 5	0 20	11 33	1 0	19 27	1 14	9 13	0 27	10 32	1 53	31 26	14 33	17 34	17 9	19 21			n.a.
M23	23 41	17 5	4 39	24 50	1 29	11 14	3 30	15 20	0 19	11 36	1 0	19 28	1 14	9 13	0 27	10 32	1 53	31 26	14 33	17 37	17 10	19 21			n.a.
T 24	23 43	19 12	4 5	24 34	1 22	11 34	3 29	15 33	0 19	11 40	1 0	19 30	1 14	9 12	0 27	10 33	1 53	31 25	14 32	17 39	17 11	19 20			n.a.
W25	23 45	20 26	3 20	24 16	1 13	11 54	3 28	15 47	0 18	11 43	1 0	19 31	1 14	9 12	0 27	10 33	1 53	31 24	14 32	17 42	17 12	19 20			n.a.
T 26	23 46	20 43	2 27	23 57	1 4	12 14	3 27	16 1	0 17	11 47	1 0	19 32	1 14	9 12	0 27	10 34	1 53	31 24	14 32	17 43	17 12	19 19			n.a.
F 27	23 46	20 4	1 28	23 36	0 54	12 35	3 25	16 15	0 16	11 50	1 0	19 34	1 14	9 12	0 26	10 34	1 53	31 23	14 32	17 44	17 13	19 18			n.a.
S 28	23 46	18 33	0 25	23 14	0 42	12 55	3 24	16 28	0 16	11 54	1 0	19 35	1 14	9 11	0 26	10 34	1 53	31 23	14 32	17 45	17 14	19 18			n.a.
S 29	23 46	16 14	0s39	22 51	0 30	13 15	3 22	16 41	0 15	11 57	1 1	19 36	1 14	9 11	0 26	10 35	1 53	31 22	14 31	17 45	17 15	19 17			n.a.
M30	23 45	13 15	1 42	22 28	0 17	13 35	3 21	16 54	0 14	12 0	1 1	19 38	1 14	9 11	0 26	10 35	1 53	31 22	14 31	17 44	17 16	19 17			n.a.
T 31	23s44	9s42	2s41	22s 3	0s 3	13s55	3n19	17s 7	0n14	12s 4	1n 1	19s39	1n14	9n11	0s26	10s36	1n53	31s21	14s31	17n44	17n17	19s16			n.a.

Julian Day Number = 1479231.5, Delta T = 05h24m11s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'53, Lahiri = -13°06'52 Julian Calendar 1 Dec. 664 BCE == Greg. Calendar 24 Nov. 664 BCE

The year -663 astronomical counting style corresponds to year 664 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

JANUARY 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 12 51	4♉25'41	23♓55	22♉43	17♏52	18♏24	4♏ 7	2♐ 8	24°R24	2♏ 6	11♒50	10♌58	12♌28	0♒41	n.a.	W 1
T 2	6 16 47	5°26'31	6♈18	23°36	18°56	19° 7	4°17	2°14	24♈24	2° 7	11°51	10°R58	12°25	0°47	n.a.	T 2
F 3	6 20 44	6°27'21	19° 3	24°21	20° 0	19°50	4°26	2°20	24°24	2° 9	11°52	10°57	12°22	0°54	n.a.	F 3
S 4	6 24 41	7°28'08	2♉12	24°57	21° 5	20°33	4°35	2°26	24°23	2°10	11°54	10°55	12°19	1° 1	n.a.	S 4
S 5	6 28 37	8°28'54	15°51	25°24	22° 9	21°17	4°45	2°32	24°23	2°11	11°55	10°51	12°15	1° 7	n.a.	S 5
M 6	6 32 34	9°29'38	29°57	25°40	23°14	22° 0	4°54	2°39	24°23	2°12	11°56	10°47	12°12	1°14	n.a.	M 6
T 7	6 36 30	10°30'20	14♊31	25°R45	24°20	22°43	5° 3	2°45	24°23	2°13	11°58	10°42	12° 9	1°20	n.a.	T 7
W 8	6 40 27	11°31'01	29°25	25°40	25°25	23°27	5°12	2°51	24°23	2°14	11°59	10°38	12° 6	1°27	n.a.	W 8
T 9	6 44 23	12°31'40	14♋33	25°24	26°31	24°10	5°20	2°57	24°D23	2°15	12° 1	10°35	12° 3	1°34	n.a.	T 9
F 10	6 48 20	13°32'17	29°44	24°58	27°37	24°53	5°29	3° 3	24°23	2°16	12° 2	10°33	12° 0	1°40	n.a.	F 10
S 11	6 52 17	14°32'53	14♌49	24°22	28°43	25°37	5°38	3° 9	24°23	2°17	12° 3	10°D33	11°56	1°47	n.a.	S 11
S 12	6 56 13	15°33'28	29°40	23°37	29°49	26°20	5°46	3°14	24°23	2°18	12° 5	10°33	11°53	1°54	n.a.	S 12
M13	7 0 10	16°34'00	14♍11	22°44	0♐56	27° 4	5°54	3°20	24°23	2°19	12° 6	10°35	11°50	2° 0	n.a.	M13
T 14	7 4 6	17°34'32	28°17	21°45	2° 2	27°47	6° 2	3°26	24°23	2°20	12° 8	10°36	11°47	2° 7	n.a.	T 14
W15	7 8 3	18°35'02	12♎ 0	20°42	3° 9	28°31	6°10	3°32	24°24	2°21	12° 9	10°37	11°44	2°14	n.a.	W15
T 16	7 11 59	19°35'30	25°19	19°36	4°16	29°14	6°18	3°37	24°24	2°22	12°11	10°R37	11°41	2°20	n.a.	T 16
F 17	7 15 56	20°35'57	8♏18	18°28	5°23	29°58	6°26	3°43	24°24	2°23	12°12	10°36	11°37	2°27	n.a.	F 17
S 18	7 19 52	21°36'23	20°58	17°22	6°31	0♑41	6°34	3°48	24°25	2°24	12°14	10°34	11°34	2°34	n.a.	S 18
S 19	7 23 49	22°36'47	3♑23	16°17	7°38	1°25	6°41	3°54	24°25	2°24	12°15	10°32	11°31	2°40	n.a.	S 19
M20	7 27 46	23°37'10	15°35	15°16	8°46	2° 9	6°48	3°59	24°26	2°25	12°17	10°29	11°28	2°47	n.a.	M20
T 21	7 31 42	24°37'30	27°38	14°20	9°54	2°52	6°56	4° 4	24°27	2°26	12°18	10°26	11°25	2°54	n.a.	T 21
W22	7 35 39	25°37'50	9♉34	13°29	11° 2	3°36	7° 3	4°10	24°27	2°26	12°20	10°24	11°21	3° 0	n.a.	W22
T 23	7 39 35	26°38'07	21°25	12°45	12°10	4°20	7° 9	4°15	24°28	2°27	12°21	10°23	11°18	3° 7	n.a.	T 23
F 24	7 43 32	27°38'22	3♒13	12° 8	13°18	5° 3	7°16	4°20	24°29	2°27	12°23	10°22	11°15	3°13	n.a.	F 24
S 25	7 47 28	28°38'35	15° 0	11°37	14°26	5°47	7°23	4°25	24°30	2°28	12°24	10°D22	11°12	3°20	n.a.	S 25
S 26	7 51 25	29°38'47	26°48	11°14	15°35	6°31	7°29	4°30	24°30	2°29	12°26	10°22	11° 9	3°27	n.a.	S 26
M27	7 55 21	0♒38'56	8♓41	10°58	16°44	7°15	7°35	4°35	24°31	2°29	12°27	10°23	11° 6	3°33	n.a.	M27
T 28	7 59 18	1°39'03	20°40	10°49	17°52	7°59	7°42	4°40	24°32	2°29	12°29	10°24	11° 2	3°40	n.a.	T 28
W29	8 3 14	2°39'08	2♈50	10°D46	19° 1	8°42	7°48	4°45	24°33	2°30	12°31	10°25	10°59	3°47	n.a.	W29
T 30	8 7 11	3°39'10	15°14	10°50	20°10	9°26	7°53	4°49	24°34	2°30	12°32	10°26	10°56	3°53	n.a.	T 30
F 31	8 11 8	4♒39'10	27♈56	11♉ 0	21♑19	10♑10	7♏59	4♑54	24♈36	2♏31	12♒34	10♌26	10♌53	4♒ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23 s42	5 s42	3 s34	21 s39	0n11	14 s15	3n17	17 s20	0n13	12 s 7	1n 1	19 s40	1n14	9n11	0 s26	10 s36	1n53	31 s20	14 s31	17n43	17n18	19 s15			n.a.
T 2	23 40	1 24	4 18	21 14	0 27	14 34	3 15	17 33	0 12	12 10	1 1	19 41	1 14	9 11	0 26	10 36	1 53	31 20	14 31	17 43	17 19	19 15			n.a.
F 3	23 37	3n 5	4 51	20 50	0 43	14 54	3 13	17 46	0 11	12 13	1 1	19 43	1 14	9 11	0 26	10 37	1 53	31 19	14 30	17 43	17 20	19 14			n.a.
S 4	23 34	7 34	5 9	20 27	1 0	15 13	3 10	17 58	0 11	12 16	1 1	19 44	1 14	9 11	0 26	10 37	1 53	31 19	14 30	17 44	17 21	19 14			n.a.
S 5	23 30	11 50	5 12	20 6	1 17	15 32	3 8	18 10	0 10	12 20	1 1	19 45	1 14	9 10	0 26	10 38	1 53	31 18	14 30	17 45	17 22	19 13			n.a.
M 6	23 26	15 36	4 56	19 45	1 35	15 51	3 6	18 23	0 9	12 23	1 1	19 46	1 14	9 10	0 26	10 38	1 54	31 18	14 30	17 46	17 22	19 12			n.a.
T 7	23 21	18 33	4 21	19 27	1 52	16 10	3 3	18 35	0 8	12 25	1 1	19 48	1 14	9 10	0 26	10 38	1 54	31 17	14 30	17 48	17 23	19 12			n.a.
W 8	23 16	20 19	3 27	19 11	2 9	16 28	3 0	18 46	0 7	12 28	1 1	19 49	1 14	9 10	0 26	10 39	1 54	31 17	14 30	17 49	17 24	19 11			n.a.
T 9	23 10	20 41	2 18	18 58	2 26	16 46	2 58	18 58	0 7	12 31	1 1	19 50	1 14	9 10	0 26	10 39	1 54	31 16	14 30	17 50	17 25	19 10			n.a.
F 10	23 4	19 32	0 59	18 47	2 42	17 4	2 55	19 10	0 6	12 34	1 1	19 51	1 14	9 10	0 26	10 39	1 54	31 15	14 29	17 50	17 26	19 10			n.a.
S 11	22 58	16 59	0n24	18 38	2 57	17 21	2 52	19 21	0 5	12 37	1 2	19 52	1 14	9 11	0 26	10 39	1 54	31 15	14 29	17 50	17 27	19 9			n.a.
S 12	22 51	13 21	1 43	18 33	3 11	17 39	2 49	19 32	0 4	12 40	1 2	19 53	1 14	9 11	0 26	10 40	1 54	31 14	14 29	17 50	17 28	19 9			n.a.
M13	22 44	9 0	2 55	18 30	3 23	17 56	2 46	19 43	0 3	12 42	1 2	19 54	1 14	9 11	0 26	10 40	1 54	31 14	14 29	17 50	17 29	19 8			n.a.
T 14	22 36	4 15	3 54	18 29	3 33	18 12	2 43	19 54	0 3	12 45	1 2	19 55	1 14	9 11	0 26	10 40	1 54	31 13	14 29	17 49	17 30	19 7			n.a.
W15	22 28	0 s34	4 37	18 31	3 41	18 28	2 39	20 5	0 2	12 48	1 2	19 57	1 14	9 11	0 26	10 41	1 54	31 13	14 29	17 49	17 31	19 7			n.a.
T 16	22 19	5 12	5 5	18 35	3 46	18 44	2 36	20 15	0 1	12 50	1 2	19 58	1 14	9 11	0 26	10 41	1 54	31 12	14 29	17 49	17 31	19 6			n.a.
F 17	22 10	9 29	5 16	18 41	3 50	19 0	2 33	20 25	0 0	12 53	1 2	19 59	1 14	9 11	0 26	10 41	1 54	31 11	14 29	17 49	17 32	19 5			n.a.
S 18	22 1	13 15	5 11	18 49	3 51	19 15	2 30	20 36	0 s 1	12 55	1 2	20 0	1 14	9 12	0 26	10 41	1 54	31 11	14 28	17 50	17 33	19 5			n.a.
S 19	21 51	16 22	4 51	18 58	3 50	19 29	2 26	20 45	0 2	12 57	1 2	20 1	1 14	9 12	0 26	10 41	1 54	31 10	14 28	17 51	17 34	19 4			n.a.
M20	21 41	18 42	4 19	19 8	3 47	19 43	2 23	20 55	0 2	13 0	1 2	20 2	1 14	9 12	0 26	10 42	1 54	31 10	14 28	17 51	17 35	19 3			n.a.
T 21	21 30	20 10	3 35	19 19	3 41	19 57	2 19	21 5	0 3	13 2	1 2	20 3	1 14	9 12	0 26	10 42	1 54	31 9	14 28	17 52	17 36	19 3			n.a.
W22	21 19	20 43	2 43	19 31	3 35	20 10	2 15	21 14	0 4	13 4	1 3	20 4	1 14	9 12	0 26	10 42	1 54	31 9	14 28	17 53	17 37	19 2			n.a.
T 23	21 7	20 21	1 43	19 44	3 26	20 23	2 12	21 23	0 5	13 6	1 3	20 5	1 14	9 13	0 26	10 42	1 55	31 8	14 28	17 53	17 38	19 1			n.a.
F 24	20 55	19 4	0 40	19 56	3 17	20 36	2 8	21 32	0 6	13 9	1 3	20 5	1 14	9 13	0 26	10 42	1 55	31 8	14 28	17 53	17 39	19 0			n.a.
S 25	20 43	16 58	0 s26	20 10	3 7	20 48	2 4	21 41	0 7	13 11	1 3	20 6	1 14	9 13	0 26	10 42	1 55	31 7	14 28	17 53	17 39	19 0			n.a.
S 26	20 31	14 10	1 30	20 23	2 55	20 59	2 1	21 50	0 8	13 13	1 3	20 7	1 14	9 14	0 26	10 42	1 55	31 7	14 28	17 53	17 40	18 59			n.a.
M27	20 18	10 45	2 31	20 36	2 43	21 10	1 57	21 58	0 9	13 15	1 3	20 8	1 14	9 14	0 26	10 43	1 55	31 6	14 28	17 53	17 41	18 58			n.a.
T 28	20 4	6 54	3 26	20 49	2 31	21 20	1 53	22 6	0 10	13 16	1 3	20 9	1 14	9 15	0 26	10 43	1 55	31 6	14 28	17 53	17 42	18 58			n.a.
W29	19 50	2 42	4 12	21 2	2 18	21 30	1 49	22 14	0 11	13 18	1 3	20 10	1 14	9 15	0 25	10 43	1 55	31 5	14 28	17 52	17 43	18 57			n.a.
T 30	19 36	1n40	4 48	21 14	2 6	21 39	1 45	22 22	0 11	13 20	1 3	20 11	1 14	9 15	0 25	10 43	1 55	31 5	14 28	17 52	17 44	18 56			n.a.
F 31	19 s22	6n 3	5 s11	21 s26	1n53	21 s48	1n41	22 s29	0 s12	13 s22	1n 4	20 s12	1n14	9n16	0 s25	10 s43	1n55	31 s 4	14 s28	17n52	17n45	18 s55			n.a.

Julian Day Number = 1479262.5, Delta T = 05h24m09s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'48, Lahiri = -13°06'48 Julian Calendar 1 Jan. 663 BCE == Greg. Calendar 25 Dec. 664 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

FEBRUARY 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 15 4	5♒39'08	10♉59	11♑16	22♐28	10♐54	8♏ 5	4♐59	24♈37	2♏31	12♒35	10°R26	10♌50	4♒ 7	n.a.	S 1
S 2	8 19 1	6°39'04	24°28	11°37	23°37	11°38	8°10	5° 3	24°38	2°31	12°37	10♌26	10°47	4°13	n.a.	S 2
M 3	8 22 57	7°38'57	8♊22	12° 3	24°46	12°22	8°15	5° 8	24°39	2°31	12°38	10°26	10°43	4°20	n.a.	M 3
T 4	8 26 54	8°38'48	22°43	12°34	25°56	13° 6	8°20	5°12	24°41	2°32	12°40	10°25	10°40	4°27	n.a.	T 4
W 5	8 30 50	9°38'37	7♋28	13° 9	27° 5	13°50	8°25	5°16	24°42	2°32	12°41	10°25	10°37	4°33	n.a.	W 5
T 6	8 34 47	10°38'23	22°30	13°49	28°15	14°34	8°30	5°20	24°43	2°32	12°43	10°D25	10°34	4°40	n.a.	T 6
F 7	8 38 43	11°38'08	7♌42	14°32	29°24	15°18	8°34	5°25	24°45	2°32	12°45	10°R25	10°31	4°47	n.a.	F 7
S 8	8 42 40	12°37'50	22°55	15°19	0♑34	16° 2	8°38	5°29	24°46	2°32	12°46	10°25	10°27	4°53	n.a.	S 8
S 9	8 46 37	13°37'29	7♍59	16°10	1°44	16°46	8°43	5°33	24°48	2°32	12°48	10°25	10°24	5° 0	n.a.	S 9
M10	8 50 33	14°37'07	22°45	17° 3	2°54	17°30	8°47	5°37	24°50	2°R32	12°49	10°25	10°21	5° 6	n.a.	M10
T 11	8 54 30	15°36'43	7♎ 7	18° 0	4° 4	18°14	8°50	5°40	24°51	2°32	12°51	10°24	10°18	5°13	n.a.	T 11
W12	8 58 26	16°36'17	21° 3	18°59	5°14	18°58	8°54	5°44	24°53	2°32	12°53	10°23	10°15	5°20	n.a.	W12
T 13	9 2 23	17°35'49	4♏31	20° 1	6°24	19°42	8°58	5°48	24°55	2°32	12°54	10°23	10°12	5°26	n.a.	T 13
F 14	9 6 19	18°35'20	17°34	21° 6	7°34	20°26	9° 1	5°51	24°56	2°32	12°56	10°D23	10° 8	5°33	n.a.	F 14
S 15	9 10 16	19°34'48	0♐13	22°13	8°44	21°10	9° 4	5°55	24°58	2°32	12°57	10°23	10° 5	5°40	n.a.	S 15
S 16	9 14 12	20°34'15	12°34	23°22	9°55	21°54	9° 7	5°58	25° 0	2°31	12°59	10°24	10° 2	5°46	n.a.	S 16
M17	9 18 9	21°33'39	24°40	24°33	11° 5	22°39	9°10	6° 2	25° 2	2°31	13° 0	10°25	9°59	5°53	n.a.	M17
T 18	9 22 6	22°33'02	6♑37	25°47	12°15	23°23	9°12	6° 5	25° 4	2°31	13° 2	10°26	9°56	6° 0	n.a.	T 18
W19	9 26 2	23°32'23	18°26	27° 2	13°26	24° 7	9°15	6° 8	25° 6	2°31	13° 4	10°27	9°52	6° 6	n.a.	W19
T 20	9 29 59	24°31'42	0♒13	28°19	14°36	24°51	9°17	6°11	25° 8	2°30	13° 5	10°28	9°49	6°13	n.a.	T 20
F 21	9 33 55	25°30'58	11°59	29°38	15°47	25°35	9°19	6°14	25°10	2°30	13° 7	10°R28	9°46	6°20	n.a.	F 21
S 22	9 37 52	26°30'13	23°49	0♒59	16°58	26°20	9°21	6°17	25°12	2°29	13° 8	10°27	9°43	6°26	n.a.	S 22
S 23	9 41 48	27°29'25	5♓43	2°21	18° 8	27° 4	9°22	6°20	25°15	2°29	13°10	10°26	9°40	6°33	n.a.	S 23
M24	9 45 45	28°28'35	17°44	3°46	19°19	27°48	9°24	6°22	25°17	2°29	13°11	10°24	9°37	6°39	n.a.	M24
T 25	9 49 41	29°27'43	29°54	5°11	20°30	28°32	9°25	6°25	25°19	2°28	13°13	10°21	9°33	6°46	n.a.	T 25
W26	9 53 38	0♓26'49	12♈14	6°39	21°41	29°16	9°26	6°28	25°21	2°28	13°14	10°18	9°30	6°53	n.a.	W26
T 27	9 57 34	1°25'52	24°47	8° 8	22°52	0♑ 1	9°27	6°30	25°24	2°27	13°16	10°15	9°27	6°59	n.a.	T 27
F 28	10 1 31	2♓24'53	7♉35	9♒38	24♑ 3	0♑45	9♏28	6♐32	25♈26	2♏26	13♒17	10♌12	9♌24	7♒ 6	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s 7	10n18	5s18	21s38	1n40	21s56	1n38	22s37	0s13	13s24	1n 4	20s12	1n14	9n16	0s25	10s43	1n55	31s 4	14s28	17n52	17n46	18s55		n.a.
S 2	18 52	14 10	5 9	21 49	1 27	22 3	1 34	22 44	0 14	13 25	1 4	20 13	1 14	9 17	0 25	10 43	1 55	31 3	14 28	17 52	17 46	18 54		n.a.
M 3	18 37	17 23	4 41	21 59	1 14	22 10	1 30	22 51	0 15	13 27	1 4	20 14	1 14	9 17	0 25	10 43	1 55	31 3	14 28	17 52	17 47	18 53		n.a.
T 4	18 21	19 39	3 56	22 9	1 2	22 17	1 26	22 57	0 16	13 28	1 4	20 15	1 15	9 18	0 25	10 43	1 55	31 2	14 28	17 52	17 48	18 52		n.a.
W 5	18 5	20 40	2 53	22 17	0 50	22 23	1 22	23 4	0 17	13 30	1 4	20 15	1 15	9 18	0 25	10 43	1 55	31 2	14 28	17 52	17 49	18 52		n.a.
T 6	17 49	20 15	1 38	22 25	0 38	22 28	1 18	23 10	0 18	13 31	1 4	20 16	1 15	9 19	0 25	10 43	1 55	31 1	14 28	17 52	17 50	18 51		n.a.
F 7	17 32	18 21	0 15	22 32	0 26	22 32	1 14	23 16	0 19	13 33	1 4	20 17	1 15	9 20	0 25	10 43	1 55	31 1	14 28	17 52	17 51	18 50		n.a.
S 8	17 15	15 9	1n 9	22 38	0 15	22 36	1 10	23 22	0 20	13 34	1 4	20 17	1 15	9 20	0 25	10 43	1 55	31 0	14 28	17 52	17 52	18 49		n.a.
S 9	16 58	10 58	2 28	22 43	0 4	22 40	1 6	23 27	0 21	13 35	1 4	20 18	1 15	9 21	0 25	10 43	1 56	31 0	14 28	17 52	17 53	18 49		n.a.
M10	16 40	6 12	3 35	22 47	0s 7	22 42	1 2	23 32	0 22	13 36	1 5	20 19	1 15	9 21	0 25	10 43	1 56	30 59	14 28	17 53	17 53	18 48		n.a.
T 11	16 23	1 12	4 26	22 50	0 17	22 44	0 58	23 38	0 23	13 37	1 5	20 19	1 15	9 22	0 25	10 43	1 56	30 59	14 28	17 53	17 54	18 47		n.a.
W12	16 5	3s42	5 0	22 51	0 27	22 46	0 54	23 42	0 24	13 39	1 5	20 20	1 15	9 23	0 25	10 43	1 56	30 58	14 28	17 53	17 55	18 46		n.a.
T 13	15 46	8 15	5 16	22 52	0 37	22 47	0 50	23 47	0 25	13 40	1 5	20 21	1 15	9 23	0 25	10 43	1 56	30 58	14 28	17 53	17 56	18 46		n.a.
F 14	15 28	12 16	5 15	22 51	0 46	22 47	0 46	23 51	0 26	13 40	1 5	20 21	1 15	9 24	0 25	10 43	1 56	30 57	14 28	17 53	17 57	18 45		n.a.
S 15	15 9	15 36	4 59	22 48	0 54	22 46	0 43	23 55	0 27	13 41	1 5	20 22	1 15	9 25	0 25	10 42	1 56	30 57	14 28	17 53	17 58	18 44		n.a.
S 16	14 50	18 10	4 29	22 45	1 3	22 45	0 39	23 59	0 28	13 42	1 5	20 22	1 15	9 25	0 25	10 42	1 56	30 57	14 28	17 53	17 59	18 43		n.a.
M17	14 31	19 52	3 48	22 40	1 11	22 43	0 35	24 3	0 29	13 43	1 5	20 23	1 15	9 26	0 25	10 42	1 56	30 56	14 28	17 53	18 0	18 42		n.a.
T 18	14 11	20 39	2 57	22 34	1 18	22 41	0 31	24 6	0 30	13 44	1 5	20 23	1 15	9 27	0 25	10 42	1 56	30 56	14 28	17 52	18 0	18 42		n.a.
W19	13 52	20 31	1 59	22 26	1 25	22 38	0 27	24 9	0 31	13 44	1 6	20 24	1 15	9 28	0 25	10 42	1 56	30 55	14 28	17 52	18 1	18 41		n.a.
T 20	13 32	19 28	0 57	22 17	1 32	22 34	0 24	24 12	0 32	13 45	1 6	20 24	1 15	9 28	0 25	10 42	1 56	30 55	14 28	17 52	18 2	18 40		n.a.
F 21	13 12	17 34	0s 8	22 6	1 38	22 30	0 20	24 15	0 33	13 46	1 6	20 25	1 15	9 29	0 25	10 41	1 56	30 55	14 28	17 52	18 3	18 39		n.a.
S 22	12 51	14 55	1 13	21 54	1 44	22 25	0 16	24 18	0 34	13 46	1 6	20 25	1 15	9 30	0 25	10 41	1 56	30 54	14 29	17 52	18 4	18 38		n.a.
S 23	12 31	11 38	2 15	21 41	1 49	22 19	0 12	24 20	0 35	13 46	1 6	20 26	1 15	9 31	0 25	10 41	1 56	30 54	14 29	17 52	18 5	18 37		n.a.
M24	12 10	7 51	3 12	21 26	1 54	22 13	0 9	24 22	0 36	13 47	1 6	20 26	1 15	9 32	0 25	10 41	1 56	30 53	14 29	17 53	18 6	18 37		n.a.
T 25	11 49	3 42	4 0	21 9	1 58	22 6	0 5	24 23	0 37	13 47	1 6	20 27	1 16	9 33	0 25	10 41	1 56	30 53	14 29	17 54	18 6	18 36		n.a.
W26	11 28	0n38	4 38	20 51	2 2	21 58	0 2	24 25	0 39	13 47	1 6	20 27	1 16	9 33	0 25	10 40	1 57	30 53	14 29	17 54	18 7	18 35		n.a.
T 27	11 7	5 1	5 4	20 31	2 6	21 50	0s 2	24 26	0 40	13 48	1 6	20 27	1 16	9 34	0 25	10 40	1 57	30 52	14 29	17 55	18 8	18 34		n.a.
F 28	10s46	9n16	5s15	20s 9	2s 9	21s41	0s 5	24s27	0s41	13s48	1n 7	20s28	1n16	9n35	0s25	10s40	1n57	30s52	14s29	17n56	18n 9	18s33		n.a.

Julian Day Number = 1479293.5, Delta T = 05h24m08s
Ecliptic obliquity = 23°46'24, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'44, Lahiri = -13°06'44 Julian Calendar 1 Feb. 663 BCE == Greg. Calendar 25 Jan. 663 BCE

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

MARCH 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 5 28	3♓23'51	20♉40	11♒10	25♑14	1♑29	9♏28	6♐35	25♈28	2°R26	13♒19	10°R11	9♌21	7♒13	n.a.	S 1
S 2	10 9 24	4°22'47	4♊ 3	12°44	26°25	2°13	9°29	6°37	25°31	2♏25	13°20	10°D10	9°18	7°19	n.a.	S 2
M 3	10 13 21	5°21'41	17°48	14°19	27°36	2°58	9°R29	6°39	25°33	2°25	13°22	10♌10	9°14	7°26	n.a.	M 3
T 4	10 17 17	6°20'32	1♋53	15°56	28°47	3°42	9°29	6°41	25°36	2°24	13°23	10°12	9°11	7°33	n.a.	T 4
W 5	10 21 14	7°19'21	16°19	17°34	29°58	4°26	9°29	6°43	25°39	2°23	13°25	10°13	9° 8	7°39	n.a.	W 5
T 6	10 25 10	8°18'07	1♌ 3	19°13	1♒ 9	5°10	9°28	6°45	25°41	2°22	13°26	10°14	9° 5	7°46	n.a.	T 6
F 7	10 29 7	9°16'51	16° 0	20°55	2°20	5°54	9°28	6°46	25°44	2°22	13°28	10°R14	9° 2	7°53	n.a.	F 7
S 8	10 33 3	10°15'33	1♍ 2	22°37	3°31	6°39	9°27	6°48	25°46	2°21	13°29	10°13	8°58	7°59	n.a.	S 8
S 9	10 37 0	11°14'13	16° 1	24°21	4°43	7°23	9°26	6°49	25°49	2°20	13°30	10°10	8°55	8° 6	n.a.	S 9
M10	10 40 56	12°12'50	0♎49	26° 7	5°54	8° 7	9°25	6°51	25°52	2°19	13°32	10° 6	8°52	8°13	n.a.	M10
T 11	10 44 53	13°11'26	15°17	27°55	7° 5	8°51	9°24	6°52	25°55	2°18	13°33	10° 1	8°49	8°19	n.a.	T 11
W12	10 48 50	14°10'00	29°20	29°43	8°17	9°36	9°22	6°53	25°57	2°17	13°35	9°56	8°46	8°26	n.a.	W12
T 13	10 52 46	15° 8'32	12♏56	1♓34	9°28	10°20	9°20	6°54	26° 0	2°16	13°36	9°52	8°43	8°32	n.a.	T 13
F 14	10 56 43	16° 7'02	26° 5	3°26	10°39	11° 4	9°19	6°55	26° 3	2°15	13°37	9°49	8°39	8°39	n.a.	F 14
S 15	11 0 39	17° 5'30	8♐49	5°19	11°51	11°48	9°16	6°56	26° 6	2°14	13°39	9°47	8°36	8°46	n.a.	S 15
S 16	11 4 36	18° 3'57	21°12	7°14	13° 2	12°33	9°14	6°57	26° 9	2°13	13°40	9°D46	8°33	8°52	n.a.	S 16
M17	11 8 32	19° 2'22	3♑18	9°11	14°14	13°17	9°12	6°58	26°12	2°12	13°42	9°47	8°30	8°59	n.a.	M17
T 18	11 12 29	20° 0'45	15°12	11° 9	15°25	14° 1	9° 9	6°59	26°15	2°11	13°43	9°49	8°27	9° 6	n.a.	T 18
W19	11 16 25	20°59'07	27° 0	13° 9	16°37	14°45	9° 6	6°59	26°18	2°10	13°44	9°50	8°24	9°12	n.a.	W19
T 20	11 20 22	21°57'27	8♒46	15°10	17°49	15°29	9° 3	7° 0	26°21	2° 9	13°45	9°R51	8°20	9°19	n.a.	T 20
F 21	11 24 19	22°55'45	20°35	17°13	19° 0	16°14	9° 0	7° 0	26°24	2° 8	13°47	9°51	8°17	9°26	n.a.	F 21
S 22	11 28 15	23°54'01	2♓29	19°17	20°12	16°58	8°57	7° 0	26°27	2° 7	13°48	9°48	8°14	9°32	n.a.	S 22
S 23	11 32 12	24°52'16	14°32	21°22	21°24	17°42	8°53	7° 0	26°30	2° 6	13°49	9°43	8°11	9°39	n.a.	S 23
M24	11 36 8	25°50'28	26°45	23°28	22°35	18°26	8°50	7°R 0	26°33	2° 4	13°51	9°37	8° 8	9°46	n.a.	M24
T 25	11 40 5	26°48'39	9♈10	25°35	23°47	19°10	8°46	7° 0	26°36	2° 3	13°52	9°29	8° 4	9°52	n.a.	T 25
W26	11 44 1	27°46'48	21°47	27°43	24°59	19°54	8°42	7° 0	26°39	2° 2	13°53	9°20	8° 1	9°59	n.a.	W26
T 27	11 47 58	28°44'54	4♉37	29°52	26°11	20°38	8°38	7° 0	26°42	2° 1	13°54	9°12	7°58	10° 5	n.a.	T 27
F 28	11 51 54	29°42'59	17°40	2♈ 1	27°23	21°22	8°33	7° 0	26°46	1°59	13°55	9° 4	7°55	10°12	n.a.	F 28
S 29	11 55 51	0♈41'02	0♊55	4°10	28°34	22° 6	8°29	6°59	26°49	1°58	13°56	8°59	7°52	10°19	n.a.	S 29
S 30	11 59 47	1°39'03	14°24	6°20	29°46	22°50	8°24	6°59	26°52	1°57	13°58	8°55	7°49	10°25	n.a.	S 30
M31	12 3 44	2♈37'03	28♊ 7	8♈28	0♓58	23♑34	8♏20	6♐58	26♈55	1♏55	13♒59	8°D54	7♌45	10♒32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s24	13n11	5s10	19s46	2s12	21s32	0s 9	24s28	0s42	13s48	1n 7	20s28	1n16	9n36	0s25	10s40	1n57	30s52	14s29	17n56	18n10	18s32		n.a.
S 2	10 2	16 32	4 48	19 22	2 14	21 22	0 12	24 28	0 43	13 48	1 7	20 28	1 16	9 37	0 25	10 39	1 57	30 51	14 29	17 57	18 11	18 32		n.a.
M 3	9 41	19 3	4 10	18 55	2 16	21 11	0 16	24 28	0 44	13 48	1 7	20 29	1 16	9 38	0 25	10 39	1 57	30 51	14 30	17 56	18 12	18 31		n.a.
T 4	9 19	20 30	3 16	18 27	2 17	21 0	0 19	24 28	0 45	13 48	1 7	20 29	1 16	9 39	0 25	10 39	1 57	30 51	14 30	17 56	18 12	18 30		n.a.
W 5	8 56	20 39	2 8	17 58	2 18	20 48	0 22	24 28	0 46	13 48	1 7	20 29	1 16	9 40	0 25	10 39	1 57	30 50	14 30	17 56	18 13	18 29		n.a.
T 6	8 34	19 23	0 50	17 26	2 18	20 36	0 25	24 27	0 47	13 47	1 7	20 29	1 16	9 41	0 25	10 38	1 57	30 50	14 30	17 55	18 14	18 28		n.a.
F 7	8 12	16 46	0n32	16 53	2 17	20 22	0 28	24 27	0 48	13 47	1 7	20 30	1 16	9 42	0 25	10 38	1 57	30 50	14 30	17 55	18 15	18 27		n.a.
S 8	7 50	13 0	1 52	16 19	2 17	20 9	0 31	24 26	0 49	13 47	1 7	20 30	1 16	9 43	0 24	10 38	1 57	30 49	14 30	17 56	18 16	18 26		n.a.
S 9	7 27	8 24	3 4	15 43	2 15	19 55	0 34	24 24	0 51	13 46	1 8	20 30	1 16	9 44	0 24	10 37	1 57	30 49	14 31	17 56	18 17	18 25		n.a.
M10	7 4	3 22	4 2	15 4	2 14	19 40	0 37	24 23	0 52	13 46	1 8	20 30	1 16	9 45	0 24	10 37	1 57	30 49	14 31	17 58	18 18	18 25		n.a.
T 11	6 42	1s44	4 44	14 25	2 11	19 25	0 40	24 21	0 53	13 45	1 8	20 30	1 16	9 46	0 24	10 37	1 57	30 49	14 31	17 59	18 18	18 24		n.a.
W12	6 19	6 37	5 7	13 43	2 8	19 9	0 43	24 19	0 54	13 45	1 8	20 31	1 16	9 47	0 24	10 36	1 57	30 48	14 31	18 0	18 19	18 23		n.a.
T 13	5 56	10 59	5 12	13 0	2 5	18 52	0 46	24 17	0 55	13 44	1 8	20 31	1 16	9 48	0 24	10 36	1 57	30 48	14 31	18 1	18 20	18 22		n.a.
F 14	5 33	14 41	5 0	12 16	2 1	18 35	0 49	24 14	0 56	13 43	1 8	20 31	1 16	9 49	0 24	10 35	1 57	30 48	14 32	18 2	18 21	18 21		n.a.
S 15	5 10	17 35	4 33	11 29	1 56	18 18	0 51	24 12	0 57	13 43	1 8	20 31	1 16	9 50	0 24	10 35	1 57	30 48	14 32	18 3	18 22	18 20		n.a.
S 16	4 47	19 35	3 55	10 42	1 51	18 0	0 54	24 9	0 59	13 42	1 8	20 31	1 17	9 51	0 24	10 35	1 57	30 47	14 32	18 3	18 23	18 19		n.a.
M17	4 24	20 38	3 6	9 52	1 46	17 41	0 56	24 5	1 0	13 41	1 8	20 31	1 17	9 52	0 24	10 34	1 57	30 47	14 32	18 3	18 23	18 18		n.a.
T 18	4 1	20 44	2 10	9 1	1 40	17 22	0 59	24 2	1 1	13 40	1 8	20 31	1 17	9 54	0 24	10 34	1 58	30 47	14 32	18 2	18 24	18 17		n.a.
W19	3 37	19 55	1 9	8 8	1 33	17 3	1 1	23 58	1 2	13 39	1 8	20 31	1 17	9 55	0 24	10 33	1 58	30 47	14 33	18 2	18 25	18 16		n.a.
T 20	3 14	18 13	0 6	7 14	1 26	16 43	1 4	23 54	1 3	13 38	1 8	20 31	1 17	9 56	0 24	10 33	1 58	30 47	14 33	18 2	18 26	18 15		n.a.
F 21	2 51	15 45	0s58	6 19	1 18	16 23	1 6	23 50	1 4	13 37	1 8	20 31	1 17	9 57	0 24	10 33	1 58	30 46	14 33	18 2	18 27	18 15		n.a.
S 22	2 27	12 35	2 0	5 23	1 10	16 2	1 8	23 46	1 5	13 36	1 9	20 31	1 17	9 58	0 24	10 32	1 58	30 46	14 33	18 3	18 28	18 14		n.a.
S 23	2 4	8 53	2 57	4 25	1 2	15 40	1 10	23 41	1 7	13 35	1 9	20 31	1 17	9 59	0 24	10 32	1 58	30 46	14 34	18 4	18 28	18 13		n.a.
M24	1 41	4 46	3 46	3 26	0 53	15 19	1 12	23 36	1 8	13 33	1 9	20 31	1 17	10 0	0 24	10 31	1 58	30 46	14 34	18 6	18 29	18 12		n.a.
T 25	1 17	0 23	4 26	2 26	0 43	14 57	1 14	23 31	1 9	13 32	1 9	20 31	1 17	10 2	0 24	10 31	1 58	30 46	14 34	18 8	18 30	18 11		n.a.
W26	0 54	4n 5	4 53	1 26	0 33	14 34	1 16	23 26	1 10	13 31	1 9	20 31	1 17	10 3	0 24	10 30	1 58	30 46	14 34	18 10	18 31	18 10		n.a.
T 27	0 30	8 26	5 6	0 24	0 23	14 11	1 18	23 20	1 11	13 29	1 9	20 31	1 17	10 4	0 24	10 30	1 58	30 46	14 35	18 12	18 32	18 9		n.a.
F 28	0 7	12 29	5 4	0n37	0 13	13 48	1 20	23 15	1 13	13 28	1 9	20 31	1 17	10 5	0 24	10 29	1 58	30 45	14 35	18 14	18 33	18 8		n.a.
S 29	0n17	15 59	4 45	1 39	0 2	13 24	1 21	23 9	1 14	13 26	1 9	20 31	1 17	10 6	0 24	10 29	1 58	30 45	14 35	18 16	18 33	18 7		n.a.
S 30	0 40	18 42	4 11	2 40	0n 8	13 0	1 23	23 2	1 15	13 25	1 9	20 31	1 17	10 7	0 24	10 28	1 58	30 45	14 35	18 17	18 34	18 6		n.a.
M31	1n 3	20n24	3s21	3n42	0n19	12s36	1s25	22s56	1s16	13s23	1n 9	20s30	1n17	10n 9	0s24	10s28	1n58	30s45	14s36	18n17	18n35	18s 5		n.a.

Julian Day Number = 1479321.5, Delta T = 05h24m06s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'40, Lahiri = -13°06'40 Julian Calendar 1 March 663 BCE == Greg. Calendar 22 Feb. 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

APRIL 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 7 41	3♈34'59	12♋ 4	10♈36	2♓10	24♉18	8°R15	6°R57	26♈59	1°R54	14♒ 0	8♌54	7♌42	10♒39	n.a.	T 1
W 2	12 11 37	4°32'55	26°15	12°44	3°22	25° 2	8♏10	6♐56	27° 2	1♏53	14° 1	8°55	7°39	10°45	n.a.	W 2
T 3	12 15 34	5°30'48	10♌39	14°50	4°34	25°46	8° 4	6°56	27° 5	1°51	14° 2	8°R55	7°36	10°52	n.a.	T 3
F 4	12 19 30	6°28'39	25°13	16°54	5°46	26°30	7°59	6°55	27° 8	1°50	14° 3	8°54	7°33	10°59	n.a.	F 4
S 5	12 23 27	7°26'28	9♍53	18°56	6°58	27°14	7°53	6°53	27°12	1°48	14° 4	8°51	7°29	11° 5	n.a.	S 5
S 6	12 27 23	8°24'15	24°33	20°57	8°10	27°58	7°48	6°52	27°15	1°47	14° 5	8°45	7°26	11°12	n.a.	S 6
M 7	12 31 20	9°22'01	9♎ 6	22°55	9°22	28°41	7°42	6°51	27°18	1°45	14° 6	8°37	7°23	11°19	n.a.	M 7
T 8	12 35 16	10°19'45	23°24	24°51	10°34	29°25	7°36	6°50	27°22	1°44	14° 7	8°28	7°20	11°25	n.a.	T 8
W 9	12 39 13	11°17'27	7♏23	26°44	11°46	0♒ 9	7°30	6°48	27°25	1°43	14° 8	8°18	7°17	11°32	n.a.	W 9
T 10	12 43 10	12°15'09	20°59	28°34	12°58	0°53	7°24	6°47	27°29	1°41	14° 9	8° 9	7°14	11°39	n.a.	T 10
F 11	12 47 6	13°12'49	4♐ 9	0♑21	14°10	1°36	7°18	6°45	27°32	1°40	14°10	8° 1	7°10	11°45	n.a.	F 11
S 12	12 51 3	14°10'28	16°55	2° 5	15°22	2°20	7°11	6°43	27°35	1°38	14°11	7°55	7° 7	11°52	n.a.	S 12
S 13	12 54 59	15° 8'06	29°20	3°46	16°35	3° 4	7° 5	6°41	27°39	1°36	14°12	7°52	7° 4	11°58	n.a.	S 13
M14	12 58 56	16° 5'42	11♑27	5°24	17°47	3°47	6°58	6°39	27°42	1°35	14°13	7°D51	7° 1	12° 5	n.a.	M14
T 15	13 2 52	17° 3'18	23°23	6°58	18°59	4°31	6°52	6°37	27°46	1°33	14°14	7°51	6°58	12°12	n.a.	T 15
W16	13 6 49	18° 0'52	5♒12	8°29	20°11	5°14	6°45	6°35	27°49	1°32	14°14	7°R51	6°55	12°18	n.a.	W16
T 17	13 10 45	18°58'25	16°59	9°57	21°23	5°58	6°38	6°33	27°53	1°30	14°15	7°51	6°51	12°25	n.a.	T 17
F 18	13 14 42	19°55'57	28°51	11°21	22°36	6°41	6°31	6°31	27°56	1°29	14°16	7°49	6°48	12°32	n.a.	F 18
S 19	13 18 39	20°53'28	10♓50	12°42	23°48	7°24	6°24	6°29	28° 0	1°27	14°17	7°45	6°45	12°38	n.a.	S 19
S 20	13 22 35	21°50'58	23° 2	13°59	25° 0	8° 8	6°17	6°26	28° 3	1°26	14°17	7°38	6°42	12°45	n.a.	S 20
M21	13 26 32	22°48'27	5♈27	15°13	26°13	8°51	6°10	6°24	28° 7	1°24	14°18	7°28	6°39	12°52	n.a.	M21
T 22	13 30 28	23°45'55	18° 8	16°23	27°25	9°34	6° 2	6°21	28°10	1°22	14°19	7°17	6°35	12°58	n.a.	T 22
W23	13 34 25	24°43'22	1♉ 5	17°29	28°37	10°17	5°55	6°18	28°14	1°21	14°20	7° 5	6°32	13° 5	n.a.	W23
T 24	13 38 21	25°40'47	14°17	18°32	29°50	11° 0	5°48	6°16	28°17	1°19	14°20	6°53	6°29	13°12	n.a.	T 24
F 25	13 42 18	26°38'12	27°41	19°31	1♈ 2	11°43	5°40	6°13	28°21	1°18	14°21	6°42	6°26	13°18	n.a.	F 25
S 26	13 46 14	27°35'35	11♊17	20°26	2°14	12°26	5°33	6°10	28°24	1°16	14°22	6°33	6°23	13°25	n.a.	S 26
S 27	13 50 11	28°32'57	25° 2	21°16	3°27	13° 9	5°25	6° 7	28°28	1°14	14°22	6°28	6°20	13°31	n.a.	S 27
M28	13 54 8	29°30'18	8♋54	22° 3	4°39	13°52	5°18	6° 4	28°31	1°13	14°23	6°24	6°16	13°38	n.a.	M28
T 29	13 58 4	0♉27'37	22°54	22°46	5°52	14°35	5°10	6° 1	28°35	1°11	14°23	6°23	6°13	13°45	n.a.	T 29
W30	14 2 1	1♉24'56	6♌59	23♉25	7♈ 4	15♒17	5♏ 2	5♐58	28♈38	1♏ 9	14♒24	6♌23	6♌10	13♒51	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n27	20n54	2s19	4n43	0n30	12s11	1s26	22s49	1s17	13s22	1n 9	20s30	1n17	10n10	0s24	10s27	1n58	30s45	14s36	18n17	18n36	18s 4		n.a.
W 2	1 50	20 5	1 8	5 43	0 41	11 46	1 27	22 42	1 18	13 20	1 9	20 30	1 17	10 11	0 24	10 27	1 58	30 45	14 36	18 17	18 37	18 3		n.a.
T 3	2 13	17 58	0n 9	6 42	0 51	11 21	1 29	22 35	1 20	13 18	1 9	20 30	1 17	10 12	0 24	10 26	1 58	30 45	14 37	18 17	18 38	18 2		n.a.
F 4	2 36	14 39	1 26	7 40	1 2	10 55	1 30	22 28	1 21	13 17	1 9	20 30	1 17	10 13	0 24	10 26	1 58	30 45	14 37	18 17	18 38	18 1		n.a.
S 5	3 0	10 24	2 38	8 37	1 12	10 29	1 31	22 21	1 22	13 15	1 9	20 29	1 18	10 15	0 24	10 25	1 58	30 45	14 37	18 18	18 39	18 0		n.a.
S 6	3 23	5 32	3 39	9 32	1 21	10 3	1 32	22 13	1 23	13 13	1 9	20 29	1 18	10 16	0 24	10 25	1 58	30 45	14 37	18 19	18 40	17 59		n.a.
M 7	3 46	0 24	4 25	10 26	1 30	9 36	1 33	22 5	1 24	13 11	1 9	20 29	1 18	10 17	0 24	10 24	1 58	30 45	14 38	18 22	18 41	17 58		n.a.
T 8	4 9	4s40	4 54	11 17	1 39	9 9	1 34	21 57	1 26	13 9	1 9	20 29	1 18	10 18	0 24	10 24	1 58	30 45	14 38	18 24	18 42	17 57		n.a.
W 9	4 32	9 23	5 4	12 7	1 47	8 42	1 35	21 49	1 27	13 7	1 9	20 28	1 18	10 20	0 24	10 23	1 58	30 45	14 38	18 27	18 43	17 56		n.a.
T 10	4 54	13 29	4 57	12 54	1 55	8 15	1 36	21 40	1 28	13 5	1 9	20 28	1 18	10 21	0 24	10 23	1 58	30 45	14 39	18 29	18 43	17 55		n.a.
F 11	5 17	16 48	4 34	13 39	2 2	7 48	1 36	21 32	1 29	13 3	1 9	20 28	1 18	10 22	0 24	10 22	1 58	30 45	14 39	18 31	18 44	17 54		n.a.
S 12	5 40	19 11	3 57	14 22	2 8	7 20	1 37	21 23	1 30	13 1	1 9	20 27	1 18	10 23	0 24	10 22	1 58	30 45	14 39	18 33	18 45	17 53		n.a.
S 13	6 3	20 36	3 10	15 2	2 14	6 52	1 38	21 14	1 32	12 59	1 9	20 27	1 18	10 25	0 24	10 21	1 58	30 45	14 40	18 33	18 46	17 52		n.a.
M14	6 25	21 1	2 16	15 40	2 18	6 24	1 38	21 5	1 33	12 57	1 9	20 27	1 18	10 26	0 24	10 20	1 58	30 45	14 40	18 34	18 47	17 51		n.a.
T 15	6 47	20 28	1 16	16 16	2 22	5 55	1 38	20 55	1 34	12 54	1 9	20 26	1 18	10 27	0 24	10 20	1 58	30 45	14 40	18 34	18 47	17 50		n.a.
W16	7 10	19 0	0 14	16 50	2 26	5 27	1 39	20 46	1 35	12 52	1 9	20 26	1 18	10 28	0 24	10 19	1 58	30 45	14 41	18 34	18 48	17 49		n.a.
T 17	7 32	16 44	0s49	17 20	2 28	4 58	1 39	20 36	1 36	12 50	1 9	20 26	1 18	10 30	0 24	10 19	1 58	30 45	14 41	18 34	18 49	17 48		n.a.
F 18	7 54	13 45	1 49	17 49	2 30	4 30	1 39	20 26	1 38	12 48	1 9	20 25	1 18	10 31	0 24	10 18	1 58	30 45	14 41	18 34	18 50	17 47		n.a.
S 19	8 16	10 9	2 46	18 15	2 31	4 1	1 39	20 16	1 39	12 45	1 9	20 25	1 18	10 32	0 24	10 18	1 58	30 45	14 42	18 35	18 51	17 45		n.a.
S 20	8 38	6 6	3 36	18 39	2 31	3 32	1 39	20 6	1 40	12 43	1 9	20 24	1 18	10 34	0 24	10 17	1 58	30 45	14 42	18 37	18 52	17 44		n.a.
M21	8 59	1 43	4 16	19 1	2 30	3 2	1 39	19 55	1 41	12 41	1 9	20 24	1 18	10 35	0 24	10 17	1 58	30 45	14 42	18 40	18 52	17 43		n.a.
T 22	9 21	2n50	4 45	19 20	2 28	2 33	1 39	19 45	1 42	12 38	1 9	20 23	1 18	10 36	0 24	10 16	1 58	30 45	14 43	18 42	18 53	17 42		n.a.
W23	9 42	7 20	4 59	19 37	2 26	2 4	1 39	19 34	1 44	12 36	1 9	20 23	1 18	10 37	0 24	10 15	1 58	30 45	14 43	18 46	18 54	17 41		n.a.
T 24	10 4	11 36	4 59	19 51	2 22	1 34	1 39	19 23	1 45	12 34	1 9	20 22	1 18	10 39	0 24	10 15	1 58	30 45	14 43	18 49	18 55	17 40		n.a.
F 25	10 25	15 21	4 41	20 4	2 18	1 5	1 38	19 12	1 46	12 31	1 9	20 22	1 18	10 40	0 24	10 14	1 58	30 46	14 44	18 51	18 56	17 39		n.a.
S 26	10 46	18 21	4 8	20 14	2 13	0 35	1 38	19 1	1 47	12 29	1 9	20 21	1 18	10 41	0 24	10 14	1 58	30 46	14 44	18 54	18 56	17 38		n.a.
S 27	11 6	20 21	3 20	20 22	2 7	0 6	1 37	18 50	1 48	12 26	1 8	20 21	1 18	10 42	0 24	10 13	1 58	30 46	14 44	18 55	18 57	17 37		n.a.
M28	11 27	21 8	2 20	20 28	2 0	0n24	1 37	18 39	1 50	12 24	1 8	20 20	1 18	10 44	0 24	10 13	1 58	30 46	14 45	18 56	18 58	17 36		n.a.
T 29	11 48	20 38	1 11	20 32	1 52	0 53	1 36	18 27	1 51	12 21	1 8	20 20	1 18	10 45	0 24	10 12	1 58	30 46	14 45	18 56	18 59	17 35		n.a.
W30	12n 8	18n50	0n 3	20n33	1n43	1n23	1s35	18s15	1s52	12s19	1n 8	20s19	1n18	10n46	0s24	10s11	1n58	30s46	14s45	18n56	19n 0	17s34		n.a.

Julian Day Number = 1479352.5, Delta T = 05h24m05s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'36, Lahiri = -13°06'36 Julian Calendar 1 Apr. 663 BCE == Greg. Calendar 25 March 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

MAY 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 5 57	2♉22'13	21♌10	23♉59	8♈17	16♒ 0	4°R55	5°R55	28♈42	1°R 8	14♒24	6°R23	6♌ 7	13♒58	n.a.	T 1
F 2	14 9 54	3°19'28	5♍24	24°29	9°29	16°42	4♏47	5♐51	28°45	1♏ 6	14°25	6♌21	6° 4	14° 5	n.a.	F 2
S 3	14 13 50	4°16'43	19°41	24°54	10°42	17°25	4°40	5°48	28°49	1° 5	14°25	6°17	6° 0	14°11	n.a.	S 3
S 4	14 17 47	5°13'57	3♎55	25°15	11°54	18° 7	4°32	5°45	28°52	1° 3	14°26	6°10	5°57	14°18	n.a.	S 4
M 5	14 21 43	6°11'09	18° 4	25°31	13° 7	18°50	4°24	5°41	28°56	1° 1	14°26	6° 0	5°54	14°25	n.a.	M 5
T 6	14 25 40	7° 8'21	2♏ 2	25°43	14°19	19°32	4°17	5°37	28°59	1° 0	14°27	5°49	5°51	14°31	n.a.	T 6
W 7	14 29 37	8° 5'32	15°44	25°51	15°32	20°14	4° 9	5°34	29° 3	0°58	14°27	5°37	5°48	14°38	n.a.	W 7
T 8	14 33 33	9° 2'43	29° 8	25°R53	16°45	20°56	4° 1	5°30	29° 6	0°57	14°27	5°25	5°45	14°45	n.a.	T 8
F 9	14 37 30	9°59'53	12♐10	25°51	17°57	21°38	3°54	5°27	29° 9	0°55	14°28	5°15	5°41	14°51	n.a.	F 9
S 10	14 41 26	10°57'02	24°52	25°45	19°10	22°20	3°46	5°23	29°13	0°53	14°28	5° 8	5°38	14°58	n.a.	S 10
S 11	14 45 23	11°54'11	7♑15	25°35	20°23	23° 2	3°39	5°19	29°16	0°52	14°28	5° 3	5°35	15° 5	n.a.	S 11
M12	14 49 19	12°51'20	19°22	25°20	21°35	23°44	3°31	5°15	29°20	0°50	14°28	5° 1	5°32	15°11	n.a.	M12
T 13	14 53 16	13°48'29	1♒18	25° 1	22°48	24°25	3°24	5°11	29°23	0°49	14°29	5°D 0	5°29	15°18	n.a.	T 13
W14	14 57 12	14°45'37	13° 8	24°39	24° 1	25° 7	3°17	5° 7	29°27	0°47	14°29	5°R 0	5°26	15°24	n.a.	W14
T 15	15 1 9	15°42'45	24°57	24°14	25°13	25°49	3° 9	5° 3	29°30	0°46	14°29	5° 0	5°22	15°31	n.a.	T 15
F 16	15 5 6	16°39'53	6♓50	23°46	26°26	26°30	3° 2	4°59	29°33	0°44	14°29	4°58	5°19	15°38	n.a.	F 16
S 17	15 9 2	17°37'00	18°53	23°15	27°39	27°11	2°55	4°55	29°37	0°42	14°29	4°55	5°16	15°44	n.a.	S 17
S 18	15 12 59	18°34'08	1♈11	22°43	28°52	27°52	2°48	4°51	29°40	0°41	14°29	4°49	5°13	15°51	n.a.	S 18
M19	15 16 55	19°31'15	13°46	22° 9	0♉ 5	28°34	2°41	4°47	29°44	0°39	14°30	4°40	5°10	15°58	n.a.	M19
T 20	15 20 52	20°28'22	26°40	21°34	1°18	29°15	2°34	4°43	29°47	0°38	14°30	4°30	5° 6	16° 4	n.a.	T 20
W21	15 24 48	21°25'30	9♉54	21° 0	2°31	29°55	2°27	4°39	29°50	0°36	14°30	4°18	5° 3	16°11	n.a.	W21
T 22	15 28 45	22°22'37	23°27	20°25	3°43	0♓36	2°20	4°34	29°54	0°35	14°30	4° 7	5° 0	16°18	n.a.	T 22
F 23	15 32 41	23°19'44	7♊15	19°52	4°56	1°17	2°13	4°30	29°57	0°33	14°R30	3°57	4°57	16°24	n.a.	F 23
S 24	15 36 38	24°16'50	21°15	19°20	6° 9	1°57	2° 6	4°26	0♉ 0	0°32	14°30	3°49	4°54	16°31	n.a.	S 24
S 25	15 40 35	25°13'57	5♋23	18°50	7°22	2°38	2° 0	4°21	0° 3	0°31	14°30	3°43	4°51	16°38	n.a.	S 25
M26	15 44 31	26°11'03	19°35	18°23	8°35	3°18	1°54	4°17	0° 7	0°29	14°30	3°41	4°47	16°44	n.a.	M26
T 27	15 48 28	27° 8'09	3♌48	17°59	9°48	3°58	1°47	4°13	0°10	0°28	14°30	3°D40	4°44	16°51	n.a.	T 27
W28	15 52 24	28° 5'14	17°59	17°38	11° 1	4°38	1°41	4° 8	0°13	0°26	14°29	3°40	4°41	16°58	n.a.	W28
T 29	15 56 21	29° 2'20	2♍ 8	17°21	12°15	5°18	1°35	4° 4	0°16	0°25	14°29	3°R41	4°38	17° 4	n.a.	T 29
F 30	16 0 17	29°59'24	16°12	17° 9	13°28	5°58	1°29	4° 0	0°19	0°24	14°29	3°40	4°35	17°11	n.a.	F 30
S 31	16 4 14	0♊56'29	0♎11	17♉ 1	14♉41	6♓37	1♏23	3♐55	0♉22	0♏22	14♒29	3♌36	4♌32	17♒17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	12n28	15n52	1n17	20n33	1n34	1n53	1s35	18s 4	1s53	12s16	1n 8	20s19	1n18	10n48	0s24	10s11	1n58	30s47	14s46	18n56	19n 0	17s32			n.a.
F 2	12 48	11 56	2 27	20 30	1 24	2 22	1 34	17 52	1 54	12 14	1 8	20 18	1 18	10 49	0 24	10 10	1 58	30 47	14 46	18 57	19 1	17 31			n.a.
S 3	13 7	7 19	3 28	20 26	1 12	2 52	1 33	17 40	1 55	12 11	1 8	20 18	1 18	10 50	0 24	10 10	1 58	30 47	14 46	18 58	19 2	17 30			n.a.
S 4	13 27	2 19	4 15	20 19	1 0	3 22	1 32	17 27	1 57	12 9	1 8	20 17	1 18	10 51	0 24	10 9	1 58	30 47	14 47	19 0	19 3	17 29			n.a.
M 5	13 46	2s47	4 46	20 11	0 47	3 51	1 31	17 15	1 58	12 6	1 8	20 16	1 18	10 53	0 24	10 9	1 58	30 47	14 47	19 2	19 4	17 28			n.a.
T 6	14 5	7 39	5 0	20 0	0 34	4 21	1 30	17 3	1 59	12 4	1 8	20 16	1 18	10 54	0 24	10 8	1 58	30 48	14 48	19 5	19 4	17 27			n.a.
W 7	14 24	12 4	4 56	19 48	0 20	4 50	1 29	16 50	2 0	12 1	1 7	20 15	1 18	10 55	0 24	10 8	1 58	30 48	14 48	19 8	19 5	17 26			n.a.
T 8	14 43	15 45	4 36	19 34	0 5	5 19	1 28	16 38	2 1	11 59	1 7	20 14	1 18	10 56	0 24	10 7	1 58	30 48	14 48	19 11	19 6	17 25			n.a.
F 9	15 1	18 35	4 1	19 19	0s11	5 49	1 26	16 25	2 2	11 56	1 7	20 14	1 18	10 58	0 24	10 6	1 58	30 48	14 49	19 13	19 7	17 23			n.a.
S 10	15 19	20 25	3 16	19 2	0 27	6 18	1 25	16 12	2 4	11 54	1 7	20 13	1 18	10 59	0 24	10 6	1 58	30 48	14 49	19 15	19 7	17 22			n.a.
S 11	15 37	21 13	2 21	18 44	0 43	6 47	1 24	15 59	2 5	11 52	1 7	20 12	1 18	11 0	0 24	10 5	1 58	30 49	14 49	19 16	19 8	17 21			n.a.
M12	15 55	21 0	1 22	18 24	0 59	7 16	1 22	15 46	2 6	11 49	1 7	20 12	1 18	11 1	0 24	10 5	1 58	30 49	14 50	19 17	19 9	17 20			n.a.
T 13	16 12	19 50	0 20	18 3	1 16	7 44	1 21	15 33	2 7	11 47	1 7	20 11	1 18	11 3	0 24	10 4	1 58	30 49	14 50	19 17	19 10	17 19			n.a.
W14	16 29	17 48	0s43	17 42	1 33	8 13	1 19	15 20	2 8	11 44	1 6	20 10	1 18	11 4	0 24	10 4	1 58	30 50	14 50	19 17	19 11	17 18			n.a.
T 15	16 46	15 1	1 44	17 19	1 50	8 41	1 18	15 7	2 9	11 42	1 6	20 10	1 18	11 5	0 24	10 3	1 58	30 50	14 51	19 17	19 11	17 16			n.a.
F 16	17 3	11 36	2 40	16 57	2 6	9 10	1 16	14 54	2 11	11 40	1 6	20 9	1 18	11 6	0 24	10 3	1 58	30 50	14 51	19 17	19 12	17 15			n.a.
S 17	17 19	7 41	3 31	16 33	2 22	9 38	1 14	14 40	2 12	11 37	1 6	20 8	1 18	11 7	0 24	10 2	1 58	30 50	14 52	19 18	19 13	17 14			n.a.
S 18	17 36	3 22	4 12	16 10	2 37	10 5	1 13	14 27	2 13	11 35	1 6	20 8	1 18	11 9	0 24	10 2	1 58	30 51	14 52	19 20	19 14	17 13			n.a.
M19	17 51	1n10	4 42	15 47	2 52	10 33	1 11	14 14	2 14	11 33	1 6	20 7	1 18	11 10	0 24	10 1	1 58	30 51	14 52	19 22	19 15	17 12			n.a.
T 20	18 7	5 47	4 59	15 25	3 6	11 1	1 9	14 0	2 15	11 31	1 5	20 6	1 18	11 11	0 24	10 1	1 58	30 51	14 53	19 24	19 15	17 11			n.a.
W21	18 22	10 14	5 1	15 4	3 19	11 28	1 7	13 46	2 16	11 28	1 5	20 5	1 18	11 12	0 24	10 0	1 58	30 52	14 53	19 27	19 16	17 9			n.a.
T 22	18 37	14 18	4 45	14 43	3 31	11 55	1 5	13 33	2 17	11 26	1 5	20 5	1 18	11 13	0 24	10 0	1 58	30 52	14 53	19 30	19 17	17 8			n.a.
F 23	18 52	17 40	4 13	14 24	3 41	12 21	1 3	13 19	2 18	11 24	1 5	20 4	1 18	11 14	0 24	9 59	1 58	30 52	14 54	19 32	19 18	17 7			n.a.
S 24	19 6	20 4	3 25	14 6	3 51	12 48	1 1	13 5	2 19	11 22	1 5	20 3	1 18	11 16	0 24	9 59	1 58	30 53	14 54	19 34	19 18	17 6			n.a.
S 25	19 20	21 15	2 25	13 51	3 58	13 14	0 59	12 52	2 21	11 20	1 4	20 3	1 17	11 17	0 24	9 58	1 58	30 53	14 55	19 35	19 19	17 4			n.a.
M26	19 34	21 6	1 14	13 37	4 5	13 40	0 57	12 38	2 22	11 18	1 4	20 2	1 17	11 18	0 24	9 58	1 58	30 54	14 55	19 36	19 20	17 3			n.a.
T 27	19 48	19 35	0n 1	13 25	4 10	14 5	0 55	12 24	2 23	11 16	1 4	20 1	1 17	11 19	0 24	9 57	1 58	30 54	14 55	19 36	19 21	17 2			n.a.
W28	20 1	16 51	1 16	13 16	4 14	14 30	0 53	12 10	2 24	11 14	1 4	20 0	1 17	11 20	0 24	9 57	1 58	30 54	14 56	19 36	19 22	17 1			n.a.
T 29	20 13	13 7	2 26	13 9	4 16	14 55	0 51	11 56	2 25	11 12	1 3	20 0	1 17	11 21	0 24	9 56	1 58	30 55	14 56	19 36	19 22	17 0			n.a.
F 30	20 26	8 41	3 27	13 5	4 17	15 19	0 49	11 42	2 26	11 10	1 3	19 59	1 17	11 23	0 24	9 56	1 58	30 55	14 56	19 36	19 23	16 58			n.a.
S 31	20n38	3n49	4n15	13n 3	4s17	15n43	0s47	11s28	2s27	11s 8	1n 3	19s58	1n17	11n24	0s24	9s56	1n58	30s55	14s57	19n37	19n24	16s57			n.a.

Julian Day Number = 1479382.5, Delta T = 05h24m03s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'32, Lahiri = -13°06'32 Julian Calendar 1 May 663 BCE == Greg. Calendar 24 Apr. 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

JUNE 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 8 11	1♊53'34	14♎ 3	16°D58	15♉54	7♓17	1°R17	3°R51	0♉26	0°R21	14°R29	3°R31	4♌28	17♒24	n.a.	S 1
M 2	16 12 7	2°50'38	27°47	16♉59	17° 7	7°56	1♏12	3♐46	0°29	0♏20	14♒28	3♌23	4°25	17°31	n.a.	M 2
T 3	16 16 4	3°47'42	11♏19	17° 6	18°20	8°35	1° 7	3°42	0°32	0°18	14°28	3°14	4°22	17°37	n.a.	T 3
W 4	16 20 0	4°44'47	24°38	17°17	19°33	9°15	1° 1	3°38	0°35	0°17	14°28	3° 4	4°19	17°44	n.a.	W 4
T 5	16 23 57	5°41'52	7♐42	17°34	20°47	9°53	0°56	3°33	0°38	0°16	14°28	2°55	4°16	17°51	n.a.	T 5
F 6	16 27 53	6°38'57	20°30	17°56	22° 0	10°32	0°51	3°29	0°41	0°15	14°27	2°47	4°12	17°57	n.a.	F 6
S 7	16 31 50	7°36'03	3♑ 1	18°23	23°13	11°11	0°46	3°24	0°44	0°13	14°27	2°41	4° 9	18° 4	n.a.	S 7
S 8	16 35 46	8°33'09	15°17	18°56	24°26	11°49	0°42	3°20	0°47	0°12	14°27	2°37	4° 6	18°11	n.a.	S 8
M 9	16 39 43	9°30'16	27°20	19°33	25°40	12°28	0°37	3°16	0°50	0°11	14°26	2°D35	4° 3	18°17	n.a.	M 9
T 10	16 43 40	10°27'23	9♒15	20°16	26°53	13° 6	0°33	3°11	0°53	0°10	14°26	2°36	4° 0	18°24	n.a.	T 10
W11	16 47 36	11°24'31	21° 4	21° 3	28° 6	13°44	0°28	3° 7	0°55	0° 9	14°25	2°37	3°57	18°31	n.a.	W11
T 12	16 51 33	12°21'39	2♓53	21°56	29°20	14°21	0°24	3° 3	0°58	0° 8	14°25	2°38	3°53	18°37	n.a.	T 12
F 13	16 55 29	13°18'49	14°47	22°54	0♊33	14°59	0°20	2°58	1° 1	0° 7	14°25	2°R38	3°50	18°44	n.a.	F 13
S 14	16 59 26	14°15'59	26°51	23°56	1°47	15°36	0°17	2°54	1° 4	0° 6	14°24	2°37	3°47	18°51	n.a.	S 14
S 15	17 3 22	15°13'10	9♈10	25° 4	3° 0	16°14	0°13	2°50	1° 7	0° 5	14°24	2°34	3°44	18°57	n.a.	S 15
M16	17 7 19	16°10'22	21°48	26°16	4°14	16°51	0°10	2°46	1° 9	0° 4	14°23	2°30	3°41	19° 4	n.a.	M16
T 17	17 11 15	17° 7'34	4♉49	27°33	5°27	17°27	0° 6	2°41	1°12	0° 3	14°22	2°24	3°38	19°11	n.a.	T 17
W18	17 15 12	18° 4'48	18°13	28°54	6°41	18° 4	0° 3	2°37	1°15	0° 2	14°22	2°17	3°34	19°17	n.a.	W18
T 19	17 19 9	19° 2'03	2♊ 0	0♊20	7°54	18°41	0° 0	2°33	1°17	0° 1	14°21	2°10	3°31	19°24	n.a.	T 19
F 20	17 23 5	19°59'18	16° 8	1°50	9° 8	19°17	29♎58	2°29	1°20	29♎59	14°21	2° 4	3°28	19°31	n.a.	F 20
S 21	17 27 2	20°56'35	0♋31	3°24	10°22	19°53	29°55	2°25	1°22	29°59	14°20	1°59	3°25	19°37	n.a.	S 21
S 22	17 30 58	21°53'52	15° 3	5° 2	11°35	20°29	29°53	2°21	1°25	29°58	14°19	1°56	3°22	19°44	n.a.	S 22
M23	17 34 55	22°51'10	29°40	6°44	12°49	21° 4	29°51	2°17	1°27	29°57	14°19	1°D55	3°18	19°50	n.a.	M23
T 24	17 38 51	23°48'28	14♌14	8°30	14° 3	21°39	29°49	2°13	1°30	29°56	14°18	1°55	3°15	19°57	n.a.	T 24
W25	17 42 48	24°45'47	28°41	10°19	15°16	22°14	29°47	2° 9	1°32	29°56	14°17	1°56	3°12	20° 4	n.a.	W25
T 26	17 46 45	25°43'07	12♍59	12°11	16°30	22°49	29°45	2° 5	1°35	29°55	14°17	1°58	3° 9	20°10	n.a.	T 26
F 27	17 50 41	26°40'27	27° 3	14° 5	17°44	23°24	29°44	2° 1	1°37	29°54	14°16	1°R58	3° 6	20°17	n.a.	F 27
S 28	17 54 38	27°37'48	10♎55	16° 2	18°58	23°58	29°43	1°58	1°39	29°53	14°15	1°58	3° 3	20°24	n.a.	S 28
S 29	17 58 34	28°35'10	24°32	18° 1	20°12	24°32	29°41	1°54	1°42	29°53	14°14	1°55	2°59	20°30	n.a.	S 29
M30	18 2 31	29♊32'33	7♏56	20♊ 2	21♊25	25♓ 6	29♎41	1♐50	1♉44	29♎52	14♒13	1♌52	2♌56	20♒37	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n50	1s13	4n47	13n 4	4s15	16n 7	0s44	11s14	2s28	11s 6	1n 3	19s57	1n17	11n25	0s24	9s55	1n58	30s56	14s57	19n38	19n25	16s56		n.a.
M 2	21 1	6 7	5 3	13 7	4 12	16 31	0 42	11 1	2 29	11 5	1 3	19 56	1 17	11 26	0 24	9 55	1 58	30 56	14 57	19 40	19 25	16 55		n.a.
T 3	21 12	10 40	5 1	13 13	4 8	16 53	0 40	10 47	2 30	11 3	1 2	19 56	1 17	11 27	0 24	9 54	1 58	30 57	14 58	19 42	19 26	16 53		n.a.
W 4	21 23	14 37	4 43	13 21	4 3	17 16	0 37	10 33	2 31	11 1	1 2	19 55	1 17	11 28	0 24	9 54	1 58	30 57	14 58	19 45	19 27	16 52		n.a.
T 5	21 33	17 46	4 11	13 32	3 56	17 38	0 35	10 19	2 32	11 0	1 2	19 54	1 17	11 29	0 24	9 53	1 58	30 58	14 59	19 47	19 28	16 51		n.a.
F 6	21 43	20 0	3 26	13 45	3 49	18 0	0 33	10 5	2 33	10 58	1 2	19 53	1 17	11 30	0 24	9 53	1 58	30 58	14 59	19 49	19 28	16 50		n.a.
S 7	21 53	21 12	2 32	14 0	3 41	18 21	0 30	9 51	2 34	10 57	1 1	19 53	1 17	11 31	0 24	9 53	1 57	30 58	14 59	19 50	19 29	16 48		n.a.
S 8	22 2	21 22	1 32	14 18	3 32	18 41	0 28	9 37	2 35	10 55	1 1	19 52	1 16	11 32	0 24	9 52	1 57	30 59	15 0	19 51	19 30	16 47		n.a.
M 9	22 11	20 31	0 28	14 37	3 22	19 2	0 26	9 23	2 36	10 54	1 1	19 51	1 16	11 33	0 24	9 52	1 57	30 59	15 0	19 51	19 31	16 46		n.a.
T 10	22 20	18 46	0s36	14 59	3 12	19 21	0 23	9 9	2 37	10 53	1 1	19 50	1 16	11 34	0 24	9 52	1 57	31 0	15 0	19 51	19 32	16 45		n.a.
W11	22 28	16 13	1 38	15 22	3 1	19 41	0 21	8 55	2 38	10 51	1 0	19 50	1 16	11 35	0 24	9 51	1 57	31 0	15 1	19 51	19 32	16 43		n.a.
T 12	22 36	13 1	2 36	15 47	2 50	19 59	0 18	8 41	2 39	10 50	1 0	19 49	1 16	11 36	0 24	9 51	1 57	31 1	15 1	19 51	19 33	16 42		n.a.
F 13	22 43	9 16	3 28	16 13	2 38	20 17	0 16	8 27	2 40	10 49	1 0	19 48	1 16	11 37	0 24	9 51	1 57	31 1	15 1	19 51	19 34	16 41		n.a.
S 14	22 50	5 6	4 11	16 40	2 25	20 35	0 14	8 13	2 41	10 48	1 0	19 48	1 16	11 38	0 24	9 50	1 57	31 2	15 2	19 51	19 35	16 39		n.a.
S 15	22 56	0 39	4 44	17 9	2 13	20 52	0 11	8 0	2 42	10 47	0 59	19 47	1 16	11 39	0 24	9 50	1 57	31 2	15 2	19 52	19 35	16 38		n.a.
M16	23 3	3n55	5 4	17 39	2 0	21 9	0 9	7 46	2 43	10 46	0 59	19 46	1 16	11 40	0 24	9 50	1 57	31 3	15 2	19 53	19 36	16 37		n.a.
T 17	23 8	8 28	5 9	18 10	1 46	21 25	0 6	7 32	2 44	10 45	0 59	19 45	1 15	11 41	0 24	9 49	1 57	31 3	15 3	19 54	19 37	16 35		n.a.
W18	23 14	12 44	4 57	18 41	1 33	21 40	0 4	7 18	2 45	10 44	0 59	19 45	1 15	11 42	0 24	9 49	1 57	31 4	15 3	19 56	19 38	16 34		n.a.
T 19	23 19	16 28	4 28	19 12	1 20	21 55	0 1	7 5	2 46	10 43	0 58	19 44	1 15	11 43	0 24	9 49	1 57	31 4	15 3	19 57	19 38	16 33		n.a.
F 20	23 23	19 21	3 43	19 44	1 6	22 9	0n 1	6 51	2 47	10 43	0 58	19 43	1 15	11 44	0 24	9 48	1 57	31 5	15 4	19 59	19 39	16 32		n.a.
S 21	23 28	21 4	2 42	20 16	0 53	22 22	0 3	6 38	2 48	10 42	0 58	19 43	1 15	11 45	0 24	9 48	1 57	31 5	15 4	20 0	19 40	16 30		n.a.
S 22	23 31	21 25	1 30	20 47	0 40	22 35	0 6	6 24	2 49	10 41	0 57	19 42	1 15	11 46	0 24	9 48	1 57	31 6	15 4	20 0	19 41	16 29		n.a.
M23	23 35	20 18	0 12	21 18	0 27	22 47	0 8	6 11	2 50	10 41	0 57	19 41	1 15	11 46	0 24	9 48	1 57	31 6	15 5	20 1	19 41	16 28		n.a.
T 24	23 38	17 51	1n 7	21 47	0 14	22 59	0 11	5 58	2 51	10 40	0 57	19 41	1 15	11 47	0 24	9 47	1 57	31 7	15 5	20 1	19 42	16 26		n.a.
W25	23 40	14 17	2 21	22 16	0 2	23 10	0 13	5 44	2 52	10 40	0 57	19 40	1 14	11 48	0 24	9 47	1 57	31 7	15 5	20 0	19 43	16 25		n.a.
T 26	23 42	9 56	3 25	22 44	0n10	23 20	0 15	5 31	2 52	10 40	0 56	19 39	1 14	11 49	0 24	9 47	1 56	31 8	15 5	20 0	19 44	16 24		n.a.
F 27	23 44	5 6	4 16	23 9	0 21	23 30	0 18	5 18	2 53	10 39	0 56	19 39	1 14	11 50	0 24	9 47	1 56	31 8	15 6	20 0	19 44	16 22		n.a.
S 28	23 45	0 5	4 52	23 33	0 32	23 39	0 20	5 5	2 54	10 39	0 56	19 38	1 14	11 51	0 24	9 47	1 56	31 9	15 6	20 0	19 45	16 21		n.a.
S 29	23 46	4s50	5 10	23 55	0 42	23 47	0 22	4 52	2 55	10 39	0 56	19 37	1 14	11 51	0 24	9 46	1 56	31 9	15 6	20 1	19 46	16 19		n.a.
M30	23n46	9s27	5n11	24n15	0n52	23n54	0n25	4s39	2s56	10s39	0n55	19s37	1n14	11n52	0s24	9s46	1n56	31s10	15s 7	20n 1	19n47	16s18		n.a.

Julian Day Number = 1479413.5, Delta T = 05h24m02s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'28, Lahiri = -13°06'27 Julian Calendar 1 June 663 BCE == Greg. Calendar 25 May 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

JULY 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 6 27	0♋29'56	21♏ 6	22♊ 4	22♊39	25♓40	29°R40	1°R47	1♉46	29°R52	14°R13	1°R47	2♌53	20♒44	n.a.	T 1
W 2	18 10 24	1°27'20	4♐ 2	24° 7	23°53	26°13	29♎39	1♐43	1°48	29♎51	14♒12	1♌42	2°50	20°50	n.a.	W 2
T 3	18 14 20	2°24'46	16°45	26°11	25° 7	26°46	29°39	1°40	1°50	29°50	14°11	1°38	2°47	20°57	n.a.	T 3
F 4	18 18 17	3°22'13	29°14	28°15	26°21	27°19	29°D39	1°36	1°52	29°50	14°10	1°34	2°44	21° 4	n.a.	F 4
S 5	18 22 14	4°19'41	11♑32	0♋20	27°35	27°51	29°39	1°33	1°54	29°50	14° 9	1°31	2°40	21°10	n.a.	S 5
S 6	18 26 10	5°17'10	23°38	2°24	28°49	28°24	29°39	1°30	1°56	29°49	14° 8	1°29	2°37	21°17	n.a.	S 6
M 7	18 30 7	6°14'40	5♒36	4°28	0♋ 3	28°56	29°39	1°26	1°58	29°49	14° 7	1°D29	2°34	21°24	n.a.	M 7
T 8	18 34 3	7°12'12	17°27	6°31	1°17	29°27	29°40	1°23	2° 0	29°48	14° 6	1°30	2°31	21°30	n.a.	T 8
W 9	18 38 0	8° 9'45	29°15	8°33	2°31	29°59	29°41	1°20	2° 2	29°48	14° 6	1°32	2°28	21°37	n.a.	W 9
T 10	18 41 56	9° 7'20	11♓ 4	10°34	3°45	0♈29	29°42	1°17	2° 4	29°48	14° 5	1°33	2°24	21°44	n.a.	T 10
F 11	18 45 53	10° 4'57	22°57	12°35	4°59	1° 0	29°43	1°14	2° 6	29°47	14° 4	1°35	2°21	21°50	n.a.	F 11
S 12	18 49 49	11° 2'35	5♈ 1	14°34	6°14	1°31	29°44	1°11	2° 7	29°47	14° 3	1°36	2°18	21°57	n.a.	S 12
S 13	18 53 46	12° 0'15	17°18	16°32	7°28	2° 1	29°46	1° 9	2° 9	29°47	14° 2	1°R36	2°15	22° 4	n.a.	S 13
M14	18 57 43	12°57'56	29°55	18°29	8°42	2°30	29°47	1° 6	2°11	29°47	14° 1	1°35	2°12	22°10	n.a.	M14
T 15	19 1 39	13°55'39	12♉54	20°25	9°56	2°59	29°49	1° 3	2°12	29°46	14° 0	1°33	2° 9	22°17	n.a.	T 15
W16	19 5 36	14°53'24	26°19	22°19	11°10	3°28	29°51	1° 1	2°14	29°46	13°59	1°31	2° 5	22°23	n.a.	W16
T 17	19 9 32	15°51'11	10♊10	24°12	12°25	3°57	29°54	0°58	2°15	29°46	13°57	1°29	2° 2	22°30	n.a.	T 17
F 18	19 13 29	16°49'00	24°25	26° 3	13°39	4°25	29°56	0°56	2°17	29°46	13°56	1°27	1°59	22°37	n.a.	F 18
S 19	19 17 25	17°46'51	9♋ 2	27°53	14°53	4°53	29°59	0°53	2°18	29°46	13°55	1°26	1°56	22°43	n.a.	S 19
S 20	19 21 22	18°44'43	23°53	29°42	16° 8	5°20	0♏ 1	0°51	2°20	29°D46	13°54	1°25	1°53	22°50	n.a.	S 20
M21	19 25 18	19°42'37	8♌51	1♌29	17°22	5°47	0° 4	0°49	2°21	29°46	13°53	1°D25	1°50	22°57	n.a.	M21
T 22	19 29 15	20°40'32	23°49	3°15	18°37	6°14	0° 7	0°47	2°22	29°46	13°52	1°26	1°46	23° 3	n.a.	T 22
W23	19 33 12	21°38'28	8♍37	5° 0	19°51	6°40	0°11	0°45	2°24	29°46	13°51	1°26	1°43	23°10	n.a.	W23
T 24	19 37 8	22°36'26	23°11	6°43	21° 5	7° 5	0°14	0°43	2°25	29°46	13°50	1°27	1°40	23°17	n.a.	T 24
F 25	19 41 5	23°34'26	7♎26	8°25	22°20	7°31	0°18	0°41	2°26	29°46	13°49	1°28	1°37	23°23	n.a.	F 25
S 26	19 45 1	24°32'27	21°20	10° 6	23°34	7°55	0°22	0°40	2°27	29°47	13°47	1°R28	1°34	23°30	n.a.	S 26
S 27	19 48 58	25°30'29	4♏53	11°45	24°49	8°20	0°26	0°38	2°28	29°47	13°46	1°28	1°30	23°37	n.a.	S 27
M28	19 52 54	26°28'33	18° 6	13°24	26° 3	8°44	0°30	0°36	2°29	29°47	13°45	1°28	1°27	23°43	n.a.	M28
T 29	19 56 51	27°26'39	1♐ 1	15° 1	27°18	9° 7	0°34	0°35	2°30	29°47	13°44	1°27	1°24	23°50	n.a.	T 29
W30	20 0 47	28°24'46	13°40	16°36	28°32	9°30	0°39	0°34	2°31	29°48	13°43	1°27	1°21	23°57	n.a.	W30
T 31	20 4 44	29♋22'55	26♐ 4	18♌11	29♋47	9♈52	0♏43	0♐32	2♉32	29♎48	13♒42	1♌26	1♌18	24♒ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23n46	13s33	4n55	24n32	1n 0	24n 1	0n27	4s27	2s57	10s39	0n55	19s36	1n14	11n53	0s24	9s46	1n56	31s10	15s 7	20n 2	19n47	16s17			n.a.
W 2	23 46	16 55	4 24	24 47	1 8	24 7	0 29	4 14	2 58	10 39	0 55	19 36	1 14	11 54	0 24	9 46	1 56	31 11	15 7	20 3	19 48	16 15			n.a.
T 3	23 45	19 26	3 41	24 59	1 16	24 12	0 31	4 1	2 58	10 39	0 54	19 35	1 13	11 54	0 24	9 46	1 56	31 11	15 7	20 5	19 49	16 14			n.a.
F 4	23 44	20 58	2 48	25 8	1 22	24 17	0 34	3 49	2 59	10 39	0 54	19 35	1 13	11 55	0 24	9 46	1 56	31 12	15 8	20 5	19 49	16 13			n.a.
S 5	23 42	21 29	1 48	25 15	1 28	24 21	0 36	3 36	3 0	10 40	0 54	19 34	1 13	11 56	0 24	9 46	1 56	31 12	15 8	20 6	19 50	16 11			n.a.
S 6	23 40	20 58	0 43	25 18	1 33	24 24	0 38	3 24	3 1	10 40	0 54	19 33	1 13	11 56	0 24	9 46	1 56	31 13	15 8	20 6	19 51	16 10			n.a.
M 7	23 37	19 30	0s23	25 19	1 37	24 26	0 40	3 12	3 2	10 40	0 53	19 33	1 13	11 57	0 24	9 45	1 56	31 13	15 8	20 6	19 52	16 8			n.a.
T 8	23 34	17 12	1 27	25 17	1 41	24 28	0 42	3 0	3 2	10 41	0 53	19 32	1 13	11 58	0 24	9 45	1 56	31 14	15 9	20 6	19 52	16 7			n.a.
W 9	23 31	14 11	2 27	25 13	1 44	24 29	0 44	2 48	3 3	10 41	0 53	19 32	1 12	11 58	0 24	9 45	1 56	31 14	15 9	20 6	19 53	16 6			n.a.
T 10	23 27	10 37	3 21	25 6	1 46	24 29	0 46	2 36	3 4	10 42	0 53	19 32	1 12	11 59	0 24	9 45	1 56	31 15	15 9	20 5	19 54	16 4			n.a.
F 11	23 23	6 36	4 7	24 57	1 47	24 29	0 48	2 25	3 5	10 43	0 52	19 31	1 12	12 0	0 24	9 45	1 56	31 15	15 9	20 5	19 55	16 3			n.a.
S 12	23 18	2 18	4 43	24 45	1 48	24 27	0 50	2 13	3 5	10 43	0 52	19 31	1 12	12 0	0 24	9 45	1 55	31 16	15 10	20 5	19 55	16 1			n.a.
S 13	23 13	2n11	5 6	24 31	1 48	24 25	0 52	2 2	3 6	10 44	0 52	19 30	1 12	12 1	0 24	9 45	1 55	31 16	15 10	20 5	19 56	16 0			n.a.
M14	23 8	6 40	5 16	24 15	1 47	24 23	0 54	1 50	3 7	10 45	0 52	19 30	1 12	12 1	0 24	9 45	1 55	31 17	15 10	20 5	19 57	15 59			n.a.
T 15	23 2	11 0	5 10	23 57	1 46	24 19	0 56	1 39	3 7	10 46	0 51	19 29	1 11	12 2	0 24	9 45	1 55	31 17	15 10	20 6	19 57	15 57			n.a.
W16	22 56	14 57	4 47	23 37	1 45	24 15	0 57	1 28	3 8	10 47	0 51	19 29	1 11	12 2	0 24	9 45	1 55	31 18	15 10	20 6	19 58	15 56			n.a.
T 17	22 49	18 12	4 7	23 15	1 43	24 10	0 59	1 17	3 9	10 48	0 51	19 29	1 11	12 3	0 24	9 45	1 55	31 19	15 11	20 6	19 59	15 54			n.a.
F 18	22 42	20 28	3 11	22 52	1 40	24 4	1 1	1 7	3 9	10 49	0 50	19 28	1 11	12 3	0 24	9 45	1 55	31 19	15 11	20 7	20 0	15 53			n.a.
S 19	22 34	21 27	2 1	22 27	1 37	23 58	1 2	0 56	3 10	10 50	0 50	19 28	1 11	12 4	0 24	9 45	1 55	31 20	15 11	20 7	20 0	15 52			n.a.
S 20	22 26	20 57	0 42	22 1	1 33	23 50	1 4	0 46	3 11	10 52	0 50	19 28	1 11	12 4	0 24	9 45	1 55	31 20	15 11	20 7	20 1	15 50			n.a.
M21	22 18	18 57	0n41	21 33	1 29	23 42	1 5	0 35	3 11	10 53	0 50	19 27	1 10	12 5	0 24	9 45	1 55	31 21	15 11	20 7	20 2	15 49			n.a.
T 22	22 9	15 40	2 1	21 5	1 25	23 34	1 7	0 25	3 12	10 54	0 49	19 27	1 10	12 5	0 24	9 45	1 55	31 21	15 12	20 7	20 3	15 47			n.a.
W23	22 0	11 25	3 12	20 35	1 20	23 24	1 8	0 16	3 12	10 56	0 49	19 27	1 10	12 6	0 24	9 46	1 55	31 22	15 12	20 7	20 3	15 46			n.a.
T 24	21 51	6 33	4 10	20 4	1 15	23 14	1 10	0 6	3 13	10 57	0 49	19 27	1 10	12 6	0 24	9 46	1 55	31 22	15 12	20 7	20 4	15 44			n.a.
F 25	21 41	1 27	4 50	19 32	1 10	23 4	1 11	0n 4	3 14	10 59	0 49	19 27	1 10	12 7	0 24	9 46	1 55	31 23	15 12	20 7	20 5	15 43			n.a.
S 26	21 31	3s37	5 13	18 59	1 4	22 52	1 12	0 13	3 14	11 0	0 48	19 26	1 10	12 7	0 24	9 46	1 55	31 23	15 12	20 7	20 5	15 41			n.a.
S 27	21 20	8 21	5 17	18 26	0 58	22 40	1 13	0 22	3 15	11 2	0 48	19 26	1 9	12 7	0 24	9 46	1 54	31 24	15 12	20 7	20 6	15 40			n.a.
M28	21 9	12 35	5 4	17 52	0 52	22 27	1 15	0 31	3 15	11 4	0 48	19 26	1 9	12 8	0 24	9 46	1 54	31 24	15 12	20 7	20 7	15 38			n.a.
T 29	20 58	16 8	4 36	17 17	0 45	22 14	1 16	0 40	3 16	11 5	0 48	19 26	1 9	12 8	0 24	9 46	1 54	31 25	15 13	20 7	20 8	15 37			n.a.
W30	20 46	18 52	3 56	16 42	0 39	21 59	1 17	0 49	3 16	11 7	0 47	19 26	1 9	12 8	0 24	9 47	1 54	31 25	15 13	20 7	20 8	15 35			n.a.
T 31	20n34	20s39	3n 4	16n 6	0n32	21n45	1n18	0n57	3s17	11s 9	0n47	19s26	1n 9	12n 8	0s24	9s47	1n54	31s26	15s13	20n 7	20n 9	15s34			n.a.

Julian Day Number = 1479443.5, Delta T = 05h24m00s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'24, Lahiri = -13°06'23 Julian Calendar 1 July 663 BCE == Greg. Calendar 24 June 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

AUGUST 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 8 41	0♌21'05	8♉18	19♌44	1♌ 2	10♈14	0♏48	0°R31	2♉32	29♎48	13°R40	1°R26	1♌15	24♒10	n.a.	F 1
S 2	20 12 37	1°19'17	20°22	21°16	2°16	10°35	0°53	0♐30	2°33	29°49	13♒39	1°D26	1°11	24°17	n.a.	S 2
S 3	20 16 34	2°17'32	2♒19	22°46	3°31	10°56	0°58	0°29	2°34	29°49	13°38	1°R26	1° 8	24°23	n.a.	S 3
M 4	20 20 30	3°15'48	14°11	24°16	4°45	11°16	1° 4	0°28	2°34	29°50	13°37	1♌26	1° 5	24°30	n.a.	M 4
T 5	20 24 27	4°14'06	26° 0	25°44	6° 0	11°36	1° 9	0°27	2°35	29°50	13°36	1°26	1° 2	24°37	n.a.	T 5
W 6	20 28 23	5°12'26	7♓48	27°11	7°15	11°55	1°15	0°27	2°36	29°51	13°34	1°26	0°59	24°43	n.a.	W 6
T 7	20 32 20	6°10'48	19°38	28°36	8°29	12°14	1°20	0°26	2°36	29°51	13°33	1°25	0°55	24°50	n.a.	T 7
F 8	20 36 16	7° 9'12	1♈34	0♍ 1	9°44	12°32	1°26	0°26	2°36	29°52	13°32	1°24	0°52	24°57	n.a.	F 8
S 9	20 40 13	8° 7'38	13°38	1°24	10°59	12°49	1°33	0°25	2°37	29°53	13°31	1°24	0°49	25° 3	n.a.	S 9
S 10	20 44 9	9° 6'07	25°55	2°45	12°14	13° 6	1°39	0°25	2°37	29°53	13°30	1°23	0°46	25°10	n.a.	S 10
M11	20 48 6	10° 4'38	8♉28	4° 6	13°28	13°22	1°45	0°25	2°37	29°54	13°28	1°D23	0°43	25°17	n.a.	M11
T 12	20 52 3	11° 3'11	21°22	5°24	14°43	13°37	1°52	0°25	2°38	29°55	13°27	1°23	0°40	25°23	n.a.	T 12
W13	20 55 59	12° 1'47	4♊40	6°42	15°58	13°52	1°58	0°D25	2°38	29°56	13°26	1°24	0°36	25°30	n.a.	W13
T 14	20 59 56	13° 0'25	18°24	7°58	17°13	14° 6	2° 5	0°25	2°38	29°56	13°25	1°25	0°33	25°37	n.a.	T 14
F 15	21 3 52	13°59'06	2♋35	9°12	18°28	14°19	2°12	0°25	2°38	29°57	13°23	1°26	0°30	25°43	n.a.	F 15
S 16	21 7 49	14°57'49	17°10	10°24	19°42	14°32	2°19	0°25	2°R38	29°58	13°22	1°26	0°27	25°50	n.a.	S 16
S 17	21 11 45	15°56'34	2♌ 6	11°35	20°57	14°44	2°27	0°25	2°38	29°59	13°21	1°R27	0°24	25°57	n.a.	S 17
M18	21 15 42	16°55'21	17°15	12°44	22°12	14°55	2°34	0°26	2°38	29°59	13°20	1°26	0°21	26° 3	n.a.	M18
T 19	21 19 38	17°54'10	2♍27	13°51	23°27	15° 6	2°42	0°27	2°38	0♏ 1	13°18	1°25	0°17	26°10	n.a.	T 19
W20	21 23 35	18°53'01	17°34	14°55	24°42	15°15	2°49	0°27	2°38	0° 2	13°17	1°23	0°14	26°17	n.a.	W20
T 21	21 27 32	19°51'54	2♎26	15°58	25°57	15°24	2°57	0°28	2°37	0° 3	13°16	1°21	0°11	26°23	n.a.	T 21
F 22	21 31 28	20°50'49	16°56	16°58	27°12	15°32	3° 5	0°29	2°37	0° 4	13°15	1°18	0° 8	26°30	n.a.	F 22
S 23	21 35 25	21°49'46	1♏ 1	17°55	28°27	15°40	3°13	0°30	2°37	0° 5	13°14	1°16	0° 5	26°37	n.a.	S 23
S 24	21 39 21	22°48'45	14°38	18°50	29°42	15°46	3°21	0°31	2°36	0° 6	13°12	1°15	0° 1	26°43	n.a.	S 24
M25	21 43 18	23°47'46	27°50	19°41	0♍57	15°52	3°30	0°32	2°36	0° 7	13°11	1°D15	29♋58	26°50	n.a.	M25
T 26	21 47 14	24°46'49	10♐39	20°30	2°11	15°57	3°38	0°33	2°35	0° 8	13°10	1°16	29°55	26°56	n.a.	T 26
W27	21 51 11	25°45'53	23° 8	21°14	3°26	16° 1	3°47	0°35	2°35	0°10	13° 9	1°17	29°52	27° 3	n.a.	W27
T 28	21 55 7	26°45'00	5♉22	21°55	4°41	16° 4	3°55	0°36	2°34	0°11	13° 7	1°19	29°49	27°10	n.a.	T 28
F 29	21 59 4	27°44'08	17°25	22°31	5°56	16° 6	4° 4	0°38	2°34	0°12	13° 6	1°21	29°46	27°16	n.a.	F 29
S 30	22 3 0	28°43'18	29°19	23° 3	7°11	16° 8	4°13	0°39	2°33	0°13	13° 5	1°R21	29°42	27°23	n.a.	S 30
S 31	22 6 57	29♌42'31	11♒10	23♍30	8♍26	16°R 9	4♏22	0♐41	2♉32	0♏15	13♒ 4	1♌21	29♋39	27♒30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20n21	21s26	2n 5	15n30	0n25	21n29	1n18	1n 6	3s17	11s11	0n47	19s26	1n 9	12n 9	0s24	9s47	1n54	31s26	15s13	20n 7	20n10	15s32		n.a.	F 1
S 2	20 9	21 12	1 1	14 53	0 17	21 13	1 19	1 14	3 18	11 13	0 47	19 26	1 8	12 9	0 24	9 47	1 54	31 27	15 13	20 7	20 10	15 31		n.a.	S 2
S 3	19 55	20 0	0s 5	14 16	0 10	20 56	1 20	1 21	3 18	11 15	0 46	19 26	1 8	12 9	0 24	9 47	1 54	31 27	15 13	20 7	20 11	15 29		n.a.	S 3
M 4	19 42	17 55	1 10	13 39	0 2	20 39	1 21	1 29	3 18	11 17	0 46	19 26	1 8	12 9	0 24	9 48	1 54	31 27	15 13	20 7	20 12	15 28		n.a.	M 4
T 5	19 28	15 6	2 12	13 2	0s 6	20 21	1 22	1 37	3 19	11 19	0 46	19 26	1 8	12 10	0 24	9 48	1 54	31 28	15 13	20 7	20 12	15 26		n.a.	T 5
W 6	19 14	11 40	3 9	12 25	0 13	20 2	1 22	1 44	3 19	11 21	0 46	19 26	1 8	12 10	0 24	9 48	1 54	31 28	15 13	20 7	20 13	15 25		n.a.	W 6
T 7	18 59	7 47	3 57	11 47	0 22	19 43	1 23	1 51	3 19	11 24	0 45	19 26	1 7	12 10	0 24	9 48	1 54	31 29	15 13	20 7	20 14	15 23		n.a.	T 7
F 8	18 44	3 34	4 36	11 10	0 30	19 24	1 23	1 58	3 20	11 26	0 45	19 26	1 7	12 10	0 24	9 49	1 54	31 29	15 14	20 7	20 15	15 22		n.a.	F 8
S 9	18 29	0n49	5 2	10 32	0 38	19 3	1 24	2 4	3 20	11 28	0 45	19 26	1 7	12 10	0 24	9 49	1 54	31 30	15 14	20 8	20 15	15 20		n.a.	S 9
S 10	18 14	5 15	5 16	9 55	0 46	18 42	1 24	2 10	3 20	11 31	0 45	19 26	1 7	12 10	0 24	9 49	1 54	31 30	15 14	20 8	20 16	15 19		n.a.	S 10
M11	17 58	9 33	5 15	9 18	0 54	18 21	1 24	2 17	3 20	11 33	0 44	19 26	1 7	12 10	0 24	9 50	1 53	31 31	15 14	20 8	20 17	15 17		n.a.	M11
T 12	17 42	13 33	4 58	8 41	1 3	17 59	1 24	2 22	3 21	11 36	0 44	19 26	1 7	12 10	0 24	9 50	1 53	31 31	15 14	20 8	20 17	15 16		n.a.	T 12
W13	17 25	17 1	4 26	8 5	1 11	17 37	1 25	2 28	3 21	11 38	0 44	19 26	1 6	12 10	0 24	9 50	1 53	31 31	15 14	20 8	20 18	15 14		n.a.	W13
T 14	17 9	19 40	3 37	7 28	1 20	17 14	1 25	2 33	3 21	11 41	0 44	19 27	1 6	12 11	0 24	9 51	1 53	31 32	15 14	20 7	20 19	15 13		n.a.	T 14
F 15	16 52	21 12	2 33	6 52	1 28	16 51	1 25	2 39	3 21	11 44	0 44	19 27	1 6	12 11	0 24	9 51	1 53	31 32	15 14	20 7	20 19	15 11		n.a.	F 15
S 16	16 34	21 22	1 18	6 17	1 37	16 27	1 25	2 43	3 21	11 46	0 43	19 27	1 6	12 11	0 24	9 51	1 53	31 33	15 14	20 7	20 20	15 10		n.a.	S 16
S 17	16 17	20 2	0n 4	5 42	1 45	16 3	1 25	2 48	3 21	11 49	0 43	19 27	1 6	12 11	0 24	9 52	1 53	31 33	15 14	20 7	20 21	15 8		n.a.	S 17
M18	15 59	17 15	1 26	5 8	1 53	15 38	1 24	2 52	3 21	11 52	0 43	19 28	1 5	12 10	0 24	9 52	1 53	31 33	15 14	20 7	20 22	15 7		n.a.	M18
T 19	15 41	13 17	2 43	4 35	2 1	15 13	1 24	2 56	3 21	11 55	0 43	19 28	1 5	12 10	0 24	9 52	1 53	31 34	15 14	20 7	20 22	15 5		n.a.	T 19
W20	15 22	8 28	3 48	4 2	2 10	14 47	1 24	3 0	3 21	11 57	0 42	19 28	1 5	12 10	0 24	9 53	1 53	31 34	15 14	20 8	20 23	15 3		n.a.	W20
T 21	15 4	3 14	4 37	3 30	2 18	14 21	1 23	3 4	3 21	12 0	0 42	19 29	1 5	12 10	0 24	9 53	1 53	31 35	15 14	20 8	20 24	15 2		n.a.	T 21
F 22	14 45	2s 3	5 6	2 59	2 25	13 55	1 23	3 7	3 21	12 3	0 42	19 29	1 5	12 10	0 24	9 54	1 53	31 35	15 14	20 9	20 24	15 0		n.a.	F 22
S 23	14 26	7 4	5 16	2 30	2 33	13 28	1 23	3 10	3 21	12 6	0 42	19 29	1 4	12 10	0 24	9 54	1 53	31 35	15 14	20 9	20 25	14 59		n.a.	S 23
S 24	14 6	11 34	5 7	2 1	2 41	13 1	1 22	3 13	3 20	12 9	0 42	19 30	1 4	12 10	0 24	9 55	1 53	31 36	15 14	20 10	20 26	14 57		n.a.	S 24
M25	13 47	15 22	4 43	1 34	2 48	12 33	1 21	3 15	3 20	12 12	0 41	19 30	1 4	12 10	0 24	9 55	1 53	31 36	15 14	20 10	20 26	14 56		n.a.	M25
T 26	13 27	18 19	4 4	1 9	2 55	12 6	1 21	3 18	3 20	12 16	0 41	19 31	1 4	12 9	0 24	9 56	1 52	31 36	15 14	20 9	20 27	14 54		n.a.	T 26
W27	13 7	20 21	3 15	0 45	3 1	11 37	1 20	3 19	3 19	12 19	0 41	19 31	1 4	12 9	0 25	9 56	1 52	31 37	15 14	20 9	20 28	14 52		n.a.	W27
T 28	12 46	21 22	2 18	0 23	3 8	11 9	1 19	3 21	3 19	12 22	0 41	19 32	1 4	12 9	0 25	9 57	1 52	31 37	15 14	20 9	20 28	14 51		n.a.	T 28
F 29	12 26	21 22	1 16	0 3	3 13	10 40	1 18	3 22	3 18	12 25	0 40	19 32	1 3	12 9	0 25	9 57	1 52	31 37	15 13	20 8	20 29	14 49		n.a.	F 29
S 30	12 5	20 24	0 11	0s14	3 18	10 11	1 17	3 24	3 18	12 28	0 40	19 33	1 3	12 9	0 25	9 58	1 52	31 38	15 13	20 8	20 30	14 48		n.a.	S 30
S 31	11n44	18s32	0s54	0s29	3s23	9n42	1n16	3n24	3s17	12s32	0n40	19s33	1n 3	12n 8	0s25	9s58	1n52	31s38	15s13	20n 8	20n30	14s46		n.a.	S 31

Julian Day Number = 1479474.5, Delta T = 05h23m59s
Ecliptic obliquity = 23°46'25, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'20, Lahiri = -13°06'19 Julian Calendar 1 Aug. 663 BCE == Greg. Calendar 25 July 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

SEPTEMBER 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 10 54	0♍41'45	22♒58	23♍51	9♍41	16°R 8	4♏32	0♐43	2°R31	0♏16	13°R 3	1°R19	29♋36	27♒36	n.a.	M 1
T 2	22 14 50	1°41'02	4♓47	24° 6	10°56	16♈ 7	4°41	0°45	2♉31	0°17	13♒ 2	1♌16	29°33	27°43	n.a.	T 2
W 3	22 18 47	2°40'21	16°39	24°15	12°11	16° 5	4°50	0°47	2°30	0°19	13° 0	1°11	29°30	27°50	n.a.	W 3
T 4	22 22 43	3°39'42	28°34	24°R17	13°26	16° 3	5° 0	0°49	2°29	0°20	12°59	1° 5	29°27	27°56	n.a.	T 4
F 5	22 26 40	4°39'05	10♈36	24°12	14°41	15°59	5° 9	0°51	2°28	0°22	12°58	0°59	29°23	28° 3	n.a.	F 5
S 6	22 30 36	5°38'30	22°46	23°59	15°56	15°54	5°19	0°54	2°27	0°23	12°57	0°53	29°20	28°10	n.a.	S 6
S 7	22 34 33	6°37'58	5♉ 7	23°39	17°11	15°49	5°29	0°56	2°26	0°25	12°56	0°48	29°17	28°16	n.a.	S 7
M 8	22 38 29	7°37'29	17°42	23°10	18°26	15°42	5°39	0°58	2°25	0°26	12°55	0°45	29°14	28°23	n.a.	M 8
T 9	22 42 26	8°37'02	0♊33	22°32	19°41	15°35	5°49	1° 1	2°23	0°28	12°54	0°43	29°11	28°30	n.a.	T 9
W10	22 46 23	9°36'37	13°43	21°47	20°56	15°27	5°59	1° 4	2°22	0°29	12°53	0°D42	29° 7	28°36	n.a.	W10
T 11	22 50 19	10°36'15	27°16	20°53	22°11	15°18	6°10	1° 6	2°21	0°31	12°52	0°43	29° 4	28°43	n.a.	T 11
F 12	22 54 16	11°35'55	11♋14	19°53	23°26	15° 8	6°20	1° 9	2°20	0°32	12°50	0°45	29° 1	28°50	n.a.	F 12
S 13	22 58 12	12°35'38	25°36	18°47	24°41	14°57	6°31	1°12	2°18	0°34	12°49	0°R46	28°58	28°56	n.a.	S 13
S 14	23 2 9	13°35'23	10♌21	17°36	25°56	14°45	6°41	1°15	2°17	0°36	12°48	0°46	28°55	29° 3	n.a.	S 14
M15	23 6 5	14°35'10	25°23	16°23	27°11	14°33	6°52	1°18	2°15	0°37	12°47	0°43	28°52	29°10	n.a.	M15
T 16	23 10 2	15°35'00	10♍35	15° 8	28°26	14°19	7° 3	1°22	2°14	0°39	12°46	0°39	28°48	29°16	n.a.	T 16
W17	23 13 58	16°34'51	25°47	13°55	29°41	14° 5	7°14	1°25	2°12	0°41	12°45	0°33	28°45	29°23	n.a.	W17
T 18	23 17 55	17°34'45	10♎48	12°45	0♎56	13°50	7°24	1°28	2°11	0°43	12°44	0°26	28°42	29°30	n.a.	T 18
F 19	23 21 51	18°34'40	25°29	11°42	2°11	13°35	7°36	1°32	2° 9	0°44	12°43	0°18	28°39	29°36	n.a.	F 19
S 20	23 25 48	19°34'38	9♏45	10°45	3°26	13°18	7°47	1°35	2° 8	0°46	12°42	0°11	28°36	29°43	n.a.	S 20
S 21	23 29 45	20°34'37	23°31	9°58	4°41	13° 1	7°58	1°39	2° 6	0°48	12°42	0° 6	28°32	29°50	n.a.	S 21
M22	23 33 41	21°34'38	6♐48	9°21	5°56	12°44	8° 9	1°43	2° 4	0°50	12°41	0° 3	28°29	29°56	n.a.	M22
T 23	23 37 38	22°34'41	19°39	8°55	7°11	12°25	8°21	1°47	2° 2	0°52	12°40	0°D 2	28°26	0♓ 3	n.a.	T 23
W24	23 41 34	23°34'45	2♑ 7	8°41	8°26	12° 6	8°32	1°50	2° 1	0°54	12°39	0° 2	28°23	0°10	n.a.	W24
T 25	23 45 31	24°34'52	14°17	8°D38	9°41	11°47	8°44	1°54	1°59	0°55	12°38	0° 3	28°20	0°16	n.a.	T 25
F 26	23 49 27	25°35'00	26°15	8°46	10°56	11°27	8°55	1°58	1°57	0°57	12°37	0°R 4	28°17	0°23	n.a.	F 26
S 27	23 53 24	26°35'10	8♒ 6	9° 5	12°11	11° 7	9° 7	2° 3	1°55	0°59	12°36	0° 3	28°13	0°30	n.a.	S 27
S 28	23 57 20	27°35'21	19°53	9°34	13°26	10°46	9°19	2° 7	1°53	1° 1	12°35	0° 1	28°10	0°36	n.a.	S 28
M29	0 1 17	28°35'34	1♓41	10°12	14°41	10°25	9°31	2°11	1°51	1° 3	12°35	29♋56	28° 7	0°43	n.a.	M29
T 30	0 5 14	29♍35'49	13♓33	10♍58	15♎56	10♈ 4	9♏43	2♐15	1♉49	1♏ 5	12♒34	29♋49	28♋ 4	0♓50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n23	15s52	1s56	0s41	3s27	9n12	1n15	3n25	3s17	12s35	0n40	19s34	1n 3	12n 8	0s25	9s59	1n52	31s38	15s13	20n 9	20n31	14s44		n.a.
T 2	11 1	12 34	2 53	0 50	3 30	8 42	1 14	3 25	3 16	12 38	0 40	19 34	1 3	12 8	0 25	9 59	1 52	31 38	15 13	20 9	20 32	14 43		n.a.
W 3	10 40	8 45	3 43	0 56	3 32	8 12	1 13	3 25	3 15	12 42	0 39	19 35	1 3	12 7	0 25	10 0	1 52	31 39	15 13	20 11	20 32	14 41		n.a.
T 4	10 18	4 35	4 23	0 57	3 33	7 42	1 12	3 25	3 15	12 45	0 39	19 35	1 2	12 7	0 25	10 0	1 52	31 39	15 13	20 12	20 33	14 40		n.a.
F 5	9 56	0 13	4 52	0 55	3 33	7 12	1 11	3 24	3 14	12 49	0 39	19 36	1 2	12 7	0 25	10 1	1 52	31 39	15 13	20 13	20 34	14 38		n.a.
S 6	9 34	4n13	5 8	0 49	3 32	6 41	1 9	3 23	3 13	12 52	0 39	19 37	1 2	12 6	0 25	10 1	1 52	31 40	15 13	20 14	20 34	14 36		n.a.
S 7	9 12	8 32	5 10	0 38	3 29	6 10	1 8	3 22	3 12	12 56	0 39	19 37	1 2	12 6	0 25	10 2	1 52	31 40	15 13	20 16	20 35	14 35		n.a.
M 8	8 50	12 35	4 58	0 23	3 25	5 39	1 6	3 20	3 11	12 59	0 38	19 38	1 2	12 6	0 25	10 2	1 52	31 40	15 13	20 16	20 36	14 33		n.a.
T 9	8 27	16 9	4 30	0 2	3 19	5 8	1 5	3 19	3 9	13 3	0 38	19 39	1 1	12 5	0 25	10 3	1 52	31 40	15 12	20 17	20 37	14 31		n.a.
W10	8 4	19 0	3 48	0n23	3 11	4 37	1 3	3 16	3 8	13 6	0 38	19 40	1 1	12 5	0 25	10 4	1 52	31 40	15 12	20 17	20 37	14 30		n.a.
T 11	7 42	20 53	2 52	0 54	3 1	4 5	1 2	3 14	3 7	13 10	0 38	19 40	1 1	12 4	0 25	10 4	1 52	31 41	15 12	20 17	20 38	14 28		n.a.
F 12	7 19	21 34	1 44	1 28	2 49	3 33	1 0	3 12	3 6	13 14	0 38	19 41	1 1	12 4	0 25	10 5	1 52	31 41	15 12	20 16	20 39	14 26		n.a.
S 13	6 56	20 52	0 28	2 7	2 35	3 2	0 58	3 9	3 4	13 17	0 38	19 42	1 1	12 3	0 25	10 6	1 51	31 41	15 12	20 16	20 39	14 25		n.a.
S 14	6 32	18 43	0n52	2 50	2 20	2 30	0 57	3 5	3 3	13 21	0 37	19 43	1 1	12 3	0 25	10 6	1 51	31 41	15 12	20 16	20 40	14 23		n.a.
M15	6 9	15 16	2 9	3 34	2 2	1 58	0 55	3 2	3 1	13 25	0 37	19 43	1 0	12 2	0 25	10 7	1 51	31 41	15 11	20 17	20 40	14 21		n.a.
T 16	5 46	10 45	3 19	4 21	1 44	1 26	0 53	2 58	2 59	13 28	0 37	19 44	1 0	12 2	0 25	10 7	1 51	31 41	15 11	20 18	20 41	14 20		n.a.
W17	5 22	5 34	4 14	5 7	1 24	0 54	0 51	2 55	2 57	13 32	0 37	19 45	1 0	12 1	0 25	10 8	1 51	31 42	15 11	20 19	20 42	14 18		n.a.
T 18	4 58	0 7	4 50	5 53	1 4	0 22	0 49	2 50	2 56	13 36	0 37	19 46	1 0	12 1	0 25	10 9	1 51	31 42	15 11	20 20	20 42	14 16		n.a.
F 19	4 35	5s14	5 7	6 37	0 43	0s10	0 47	2 46	2 54	13 40	0 37	19 47	1 0	12 0	0 25	10 9	1 51	31 42	15 11	20 22	20 43	14 15		n.a.
S 20	4 11	10 8	5 4	7 17	0 23	0 42	0 45	2 41	2 52	13 44	0 36	19 48	1 0	12 0	0 25	10 10	1 51	31 42	15 11	20 24	20 44	14 13		n.a.
S 21	3 47	14 21	4 43	7 54	0 3	1 14	0 43	2 37	2 50	13 47	0 36	19 49	0 59	11 59	0 25	10 11	1 51	31 42	15 10	20 25	20 44	14 11		n.a.
M22	3 23	17 41	4 7	8 25	0n16	1 46	0 41	2 32	2 47	13 51	0 36	19 50	0 59	11 58	0 25	10 11	1 51	31 42	15 10	20 25	20 45	14 10		n.a.
T 23	2 59	20 2	3 20	8 51	0 34	2 18	0 39	2 27	2 45	13 55	0 36	19 50	0 59	11 58	0 25	10 12	1 51	31 42	15 10	20 26	20 46	14 8		n.a.
W24	2 35	21 21	2 25	9 12	0 50	2 50	0 36	2 21	2 43	13 59	0 36	19 51	0 59	11 57	0 25	10 13	1 51	31 42	15 10	20 26	20 46	14 6		n.a.
T 25	2 11	21 36	1 24	9 27	1 5	3 22	0 34	2 16	2 40	14 3	0 36	19 52	0 59	11 56	0 25	10 14	1 51	31 42	15 10	20 25	20 47	14 5		n.a.
F 26	1 47	20 52	0 21	9 36	1 18	3 54	0 32	2 11	2 38	14 7	0 35	19 53	0 59	11 56	0 25	10 14	1 51	31 42	15 9	20 25	20 48	14 3		n.a.
S 27	1 23	19 11	0s43	9 39	1 30	4 26	0 30	2 5	2 35	14 11	0 35	19 54	0 58	11 55	0 25	10 15	1 51	31 43	15 9	20 25	20 48	14 1		n.a.
S 28	0 58	16 42	1 44	9 37	1 40	4 57	0 27	1 59	2 33	14 15	0 35	19 55	0 58	11 54	0 25	10 16	1 51	31 43	15 9	20 26	20 49	13 59		n.a.
M29	0 34	13 31	2 41	9 31	1 48	5 29	0 25	1 53	2 30	14 19	0 35	19 56	0 58	11 54	0 25	10 16	1 51	31 43	15 9	20 27	20 50	13 58		n.a.
T 30	0n10	9s47	3s31	9n19	1n55	6s 0	0n23	1n47	2s27	14s23	0n35	19s57	0n58	11n53	0s25	10s17	1n51	31s43	15s 8	20n28	20n50	13s56		n.a.

Julian Day Number = 1479505.5, Delta T = 05h23m57s
Ecliptic obliquity = 23°46'26, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'15, Lahiri = -13°06'15 Julian Calendar 1 Sept. 663 BCE == Greg. Calendar 25 Aug. 663 BCE

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

OCTOBER 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 9 10	0♎36'06	25♓31	11♍52	17♎11	9°R42	9♏55	2♐20	1°R47	1♏ 7	12°R33	29°R39	28♋ 1	0♓56	n.a.	W 1
T 2	0 13 7	1°36'25	7♈36	12°52	18°26	9♈21	10° 7	2°24	1♉45	1° 9	12♒32	29♋28	27°58	1° 3	n.a.	T 2
F 3	0 17 3	2°36'45	19°49	13°58	19°41	8°59	10°19	2°29	1°43	1°11	12°32	29°16	27°54	1°10	n.a.	F 3
S 4	0 21 0	3°37'07	2♉12	15° 8	20°56	8°37	10°31	2°34	1°41	1°13	12°31	29° 4	27°51	1°16	n.a.	S 4
S 5	0 24 56	4°37'32	14°45	16°23	22°11	8°15	10°43	2°38	1°39	1°15	12°30	28°53	27°48	1°23	n.a.	S 5
M 6	0 28 53	5°37'58	27°29	17°42	23°26	7°52	10°56	2°43	1°36	1°17	12°30	28°45	27°45	1°30	n.a.	M 6
T 7	0 32 49	6°38'27	10♊26	19° 4	24°41	7°30	11° 8	2°48	1°34	1°19	12°29	28°39	27°42	1°36	n.a.	T 7
W 8	0 36 46	7°38'57	23°37	20°28	25°56	7° 8	11°21	2°53	1°32	1°22	12°28	28°36	27°38	1°43	n.a.	W 8
T 9	0 40 42	8°39'30	7♋ 4	21°55	27°11	6°47	11°33	2°58	1°30	1°24	12°28	28°D35	27°35	1°50	n.a.	T 9
F 10	0 44 39	9°40'04	20°50	23°23	28°26	6°25	11°46	3° 3	1°27	1°26	12°27	28°R36	27°32	1°56	n.a.	F 10
S 11	0 48 36	10°40'41	4♌56	24°53	29°40	6° 3	11°59	3° 8	1°25	1°28	12°27	28°36	27°29	2° 3	n.a.	S 11
S 12	0 52 32	11°41'19	19°21	26°24	0♏55	5°42	12°11	3°13	1°23	1°30	12°26	28°34	27°26	2°10	n.a.	S 12
M13	0 56 29	12°41'59	4♍ 4	27°56	2°10	5°22	12°24	3°19	1°20	1°32	12°25	28°30	27°23	2°16	n.a.	M13
T 14	1 0 25	13°42'41	18°58	29°29	3°25	5° 1	12°37	3°24	1°18	1°34	12°25	28°23	27°19	2°23	n.a.	T 14
W15	1 4 22	14°43'25	3♎56	1♎ 2	4°40	4°41	12°50	3°29	1°16	1°37	12°25	28°14	27°16	2°30	n.a.	W15
T 16	1 8 18	15°44'10	18°50	2°36	5°55	4°22	13° 3	3°35	1°13	1°39	12°24	28° 2	27°13	2°36	n.a.	T 16
F 17	1 12 15	16°44'57	3♏29	4°10	7°10	4° 3	13°16	3°40	1°11	1°41	12°24	27°50	27°10	2°43	n.a.	F 17
S 18	1 16 11	17°45'45	17°46	5°45	8°25	3°44	13°29	3°46	1° 8	1°43	12°23	27°39	27° 7	2°50	n.a.	S 18
S 19	1 20 8	18°46'35	1♐37	7°19	9°40	3°26	13°42	3°52	1° 6	1°45	12°23	27°30	27° 3	2°56	n.a.	S 19
M20	1 24 5	19°47'25	14°59	8°54	10°54	3° 9	13°55	3°57	1° 3	1°48	12°22	27°23	27° 0	3° 3	n.a.	M20
T 21	1 28 1	20°48'17	27°54	10°29	12° 9	2°52	14° 8	4° 3	1° 1	1°50	12°22	27°19	26°57	3°10	n.a.	T 21
W22	1 31 58	21°49'10	10♑26	12° 4	13°24	2°37	14°21	4° 9	0°58	1°52	12°22	27°18	26°54	3°16	n.a.	W22
T 23	1 35 54	22°50'04	22°38	13°39	14°39	2°21	14°34	4°15	0°56	1°54	12°22	27°17	26°51	3°23	n.a.	T 23
F 24	1 39 51	23°51'00	4♒36	15°14	15°54	2° 7	14°48	4°21	0°53	1°57	12°21	27°17	26°48	3°30	n.a.	F 24
S 25	1 43 47	24°51'56	16°27	16°48	17° 9	1°53	15° 1	4°26	0°51	1°59	12°21	27°16	26°44	3°37	n.a.	S 25
S 26	1 47 44	25°52'53	28°14	18°23	18°23	1°40	15°14	4°32	0°48	2° 1	12°21	27°13	26°41	3°43	n.a.	S 26
M27	1 51 40	26°53'50	10♓ 4	19°58	19°38	1°28	15°28	4°39	0°46	2° 3	12°21	27° 7	26°38	3°50	n.a.	M27
T 28	1 55 37	27°54'49	22° 0	21°32	20°53	1°17	15°41	4°45	0°43	2° 6	12°20	26°59	26°35	3°57	n.a.	T 28
W29	1 59 34	28°55'49	4♈ 4	23° 7	22° 8	1° 6	15°55	4°51	0°41	2° 8	12°20	26°47	26°32	4° 3	n.a.	W29
T 30	2 3 30	29°56'50	16°20	24°41	23°22	0°56	16° 8	4°57	0°38	2°10	12°20	26°34	26°29	4°10	n.a.	T 30
F 31	2 7 27	0♏57'52	28♈48	26♎16	24♏37	0♈47	16♏22	5♐ 3	0♉36	2♏12	12♒20	26♋20	26♋25	4♓17	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	0s15	5s39	4s12	9n 4	2n 0	6s32	0n20	1n41	2s24	14s27	0n35	19s58	0n58	11n52	0s25	10s18	1n51	31s43	15s 8	20n30	20n51	13s54		n.a.
T 2	0 39	1 15	4 41	8 44	2 5	7 3	0 18	1 35	2 21	14 31	0 34	19 59	0 58	11 52	0 25	10 19	1 51	31 43	15 8	20 33	20 52	13 53		n.a.
F 3	1 3	3n15	4 59	8 21	2 8	7 34	0 15	1 30	2 18	14 35	0 34	20 0	0 58	11 51	0 25	10 19	1 51	31 43	15 8	20 35	20 52	13 51		n.a.
S 4	1 27	7 41	5 2	7 55	2 10	8 5	0 13	1 24	2 15	14 39	0 34	20 2	0 57	11 50	0 25	10 20	1 51	31 43	15 7	20 38	20 53	13 49		n.a.
S 5	1 52	11 51	4 51	7 26	2 10	8 36	0 10	1 18	2 12	14 43	0 34	20 3	0 57	11 49	0 25	10 21	1 51	31 43	15 7	20 40	20 54	13 47		n.a.
M 6	2 16	15 33	4 26	6 55	2 10	9 6	0 8	1 12	2 9	14 47	0 34	20 4	0 57	11 49	0 25	10 22	1 51	31 43	15 7	20 42	20 54	13 46		n.a.
T 7	2 40	18 35	3 47	6 22	2 10	9 36	0 5	1 6	2 6	14 51	0 34	20 5	0 57	11 48	0 25	10 22	1 51	31 42	15 7	20 43	20 55	13 44		n.a.
W 8	3 5	20 43	2 55	5 47	2 8	10 6	0 3	1 0	2 3	14 55	0 33	20 6	0 57	11 47	0 25	10 23	1 51	31 42	15 6	20 44	20 55	13 42		n.a.
T 9	3 29	21 43	1 52	5 10	2 6	10 36	0 0	0 54	1 59	14 59	0 33	20 7	0 57	11 46	0 25	10 24	1 50	31 42	15 6	20 44	20 56	13 40		n.a.
F 10	3 53	21 27	0 41	4 32	2 3	11 6	0s 2	0 48	1 56	15 3	0 33	20 8	0 57	11 45	0 25	10 25	1 50	31 42	15 6	20 44	20 57	13 39		n.a.
S 11	4 17	19 51	0n34	3 53	2 0	11 35	0 5	0 43	1 53	15 7	0 33	20 9	0 56	11 45	0 25	10 25	1 50	31 42	15 6	20 44	20 57	13 37		n.a.
S 12	4 41	16 56	1 48	3 13	1 56	12 4	0 7	0 38	1 49	15 11	0 33	20 10	0 56	11 44	0 25	10 26	1 50	31 42	15 5	20 44	20 58	13 35		n.a.
M13	5 5	12 53	2 56	2 32	1 52	12 33	0 10	0 32	1 46	15 15	0 33	20 12	0 56	11 43	0 25	10 27	1 50	31 42	15 5	20 45	20 59	13 33		n.a.
T 14	5 29	8 0	3 53	1 51	1 47	13 1	0 12	0 27	1 43	15 19	0 33	20 13	0 56	11 42	0 25	10 28	1 50	31 42	15 5	20 46	20 59	13 32		n.a.
W15	5 53	2 36	4 35	1 8	1 42	13 29	0 15	0 22	1 39	15 23	0 33	20 14	0 56	11 41	0 25	10 29	1 50	31 42	15 4	20 48	21 0	13 30		n.a.
T 16	6 17	2s54	4 57	0 26	1 37	13 57	0 18	0 18	1 36	15 27	0 32	20 15	0 56	11 40	0 25	10 29	1 50	31 42	15 4	20 51	21 0	13 28		n.a.
F 17	6 40	8 10	5 0	0s17	1 31	14 25	0 20	0 13	1 32	15 32	0 32	20 16	0 56	11 40	0 25	10 30	1 50	31 41	15 4	20 53	21 1	13 26		n.a.
S 18	7 4	12 51	4 43	1 0	1 26	14 52	0 23	0 9	1 29	15 36	0 32	20 17	0 55	11 39	0 25	10 31	1 50	31 41	15 4	20 55	21 2	13 24		n.a.
S 19	7 27	16 42	4 10	1 44	1 20	15 19	0 25	0 5	1 26	15 40	0 32	20 19	0 55	11 38	0 25	10 32	1 50	31 41	15 3	20 57	21 2	13 23		n.a.
M20	7 51	19 32	3 24	2 27	1 14	15 45	0 28	0 1	1 22	15 44	0 32	20 20	0 55	11 37	0 25	10 32	1 50	31 41	15 3	20 58	21 3	13 21		n.a.
T 21	8 14	21 17	2 29	3 10	1 7	16 11	0 30	0s 3	1 19	15 48	0 32	20 21	0 55	11 36	0 25	10 33	1 50	31 41	15 3	20 59	21 4	13 19		n.a.
W22	8 37	21 54	1 28	3 54	1 1	16 36	0 33	0 6	1 16	15 52	0 32	20 22	0 55	11 35	0 25	10 34	1 50	31 41	15 2	21 0	21 4	13 17		n.a.
T 23	9 0	21 26	0 25	4 37	0 55	17 1	0 35	0 9	1 12	15 56	0 31	20 24	0 55	11 34	0 25	10 35	1 50	31 40	15 2	21 0	21 5	13 15		n.a.
F 24	9 23	20 0	0s39	5 20	0 48	17 26	0 38	0 12	1 9	16 0	0 31	20 25	0 55	11 33	0 25	10 36	1 50	31 40	15 2	21 0	21 5	13 14		n.a.
S 25	9 46	17 43	1 40	6 3	0 42	17 50	0 41	0 14	1 6	16 4	0 31	20 26	0 55	11 33	0 25	10 36	1 50	31 40	15 1	21 0	21 6	13 12		n.a.
S 26	10 8	14 41	2 36	6 46	0 35	18 14	0 43	0 17	1 2	16 8	0 31	20 27	0 54	11 32	0 25	10 37	1 50	31 40	15 1	21 0	21 7	13 10		n.a.
M27	10 30	11 4	3 26	7 28	0 28	18 37	0 45	0 19	0 59	16 12	0 31	20 28	0 54	11 31	0 25	10 38	1 50	31 39	15 1	21 2	21 7	13 8		n.a.
T 28	10 53	6 59	4 7	8 11	0 22	19 0	0 48	0 20	0 56	16 16	0 31	20 30	0 54	11 30	0 25	10 39	1 50	31 39	15 0	21 3	21 8	13 6		n.a.
W29	11 15	2 35	4 37	8 52	0 15	19 22	0 50	0 22	0 53	16 20	0 31	20 31	0 54	11 29	0 25	10 40	1 50	31 39	15 0	21 6	21 9	13 5		n.a.
T 30	11 37	1n59	4 55	9 34	0 8	19 44	0 53	0 23	0 50	16 25	0 31	20 32	0 54	11 28	0 25	10 40	1 50	31 39	15 0	21 8	21 9	13 3		n.a.
F 31	11s58	6n32	4s59	10s15	0n 2	20s 5	0s55	0s24	0s47	16s29	0n30	20s33	0n54	11n27	0s25	10s41	1n50	31s38	14s59	21n11	21n10	13s 1		n.a.

Julian Day Number = 1479535.5, Delta T = 05h23m56s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'11, Lahiri = -13°06'11 Julian Calendar 1 Oct. 663 BCE == Greg. Calendar 24 Sept. 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

NOVEMBER 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 11 23	1♏58'54	11♉28	27♎50	25♏52	0°R39	16♏35	5♐ 9	0°R33	2♏15	12°R20	26°R 5	26♋22	4♓23	n.a.	S 1
S 2	2 15 20	2°59'58	24°20	29°24	27° 6	0♈32	16°49	5°16	0♉31	2°17	12♒20	25♋53	26°19	4°30	n.a.	S 2
M 3	2 19 16	4° 1'03	7♊23	0♏59	28°21	0°25	17° 2	5°22	0°28	2°19	12°D20	25°43	26°16	4°37	n.a.	M 3
T 4	2 23 13	5° 2'09	20°37	2°33	29°36	0°20	17°16	5°29	0°26	2°21	12°20	25°36	26°13	4°43	n.a.	T 4
W 5	2 27 9	6° 3'17	4♋ 1	4° 7	0♐50	0°15	17°30	5°35	0°23	2°24	12°20	25°32	26° 9	4°50	n.a.	W 5
T 6	2 31 6	7° 4'25	17°35	5°42	2° 5	0°11	17°43	5°41	0°20	2°26	12°20	25°30	26° 6	4°57	n.a.	T 6
F 7	2 35 3	8° 5'34	1♌21	7°16	3°20	0° 8	17°57	5°48	0°18	2°28	12°20	25°30	26° 3	5° 3	n.a.	F 7
S 8	2 38 59	9° 6'45	15°19	8°50	4°34	0° 5	18°11	5°55	0°15	2°30	12°20	25°30	26° 0	5°10	n.a.	S 8
S 9	2 42 56	10° 7'56	29°28	10°25	5°49	0° 3	18°24	6° 1	0°13	2°33	12°20	25°29	25°57	5°17	n.a.	S 9
M10	2 46 52	11° 9'09	13♍49	12° 0	7° 3	0° 3	18°38	6° 8	0°10	2°35	12°21	25°25	25°54	5°23	n.a.	M10
T 11	2 50 49	12°10'22	28°17	13°34	8°18	0°D 3	18°52	6°14	0° 8	2°37	12°21	25°19	25°50	5°30	n.a.	T 11
W12	2 54 45	13°11'36	12♎50	15° 9	9°32	0° 3	19° 6	6°21	0° 6	2°39	12°21	25°10	25°47	5°37	n.a.	W12
T 13	2 58 42	14°12'51	27°19	16°44	10°47	0° 5	19°19	6°28	0° 3	2°42	12°21	24°59	25°44	5°43	n.a.	T 13
F 14	3 2 38	15°14'06	11♏39	18°19	12° 2	0° 7	19°33	6°35	0° 1	2°44	12°21	24°47	25°41	5°50	n.a.	F 14
S 15	3 6 35	16°15'22	25°43	19°54	13°16	0°10	19°47	6°41	29♈58	2°46	12°22	24°36	25°38	5°57	n.a.	S 15
S 16	3 10 32	17°16'39	9♐26	21°30	14°31	0°14	20° 1	6°48	29°56	2°48	12°22	24°26	25°35	6° 3	n.a.	S 16
M17	3 14 28	18°17'56	22°45	23° 5	15°45	0°19	20°15	6°55	29°53	2°50	12°22	24°20	25°31	6°10	n.a.	M17
T 18	3 18 25	19°19'13	5♑41	24°41	16°59	0°24	20°28	7° 2	29°51	2°53	12°23	24°15	25°28	6°17	n.a.	T 18
W19	3 22 21	20°20'30	18°14	26°17	18°14	0°30	20°42	7° 9	29°49	2°55	12°23	24°14	25°25	6°23	n.a.	W19
T 20	3 26 18	21°21'47	0♒29	27°53	19°28	0°37	20°56	7°16	29°46	2°57	12°24	24°D14	25°22	6°30	n.a.	T 20
F 21	3 30 14	22°23'04	12°30	29°29	20°43	0°44	21°10	7°22	29°44	2°59	12°24	24°14	25°19	6°37	n.a.	F 21
S 22	3 34 11	23°24'21	24°22	1♐ 6	21°57	0°52	21°24	7°29	29°42	3° 1	12°24	24°R15	25°15	6°43	n.a.	S 22
S 23	3 38 8	24°25'38	6♓11	2°42	23°11	1° 1	21°38	7°36	29°40	3° 4	12°25	24°14	25°12	6°50	n.a.	S 23
M24	3 42 4	25°26'55	18° 2	4°19	24°26	1°10	21°51	7°43	29°37	3° 6	12°25	24°11	25° 9	6°57	n.a.	M24
T 25	3 46 1	26°28'11	0♈ 0	5°56	25°40	1°20	22° 5	7°50	29°35	3° 8	12°26	24° 6	25° 6	7° 4	n.a.	T 25
W26	3 49 57	27°29'28	12° 9	7°33	26°54	1°31	22°19	7°57	29°33	3°10	12°26	23°58	25° 3	7°10	n.a.	W26
T 27	3 53 54	28°30'44	24°33	9°10	28° 8	1°42	22°33	8° 4	29°31	3°12	12°27	23°49	25° 0	7°17	n.a.	T 27
F 28	3 57 50	29°32'00	7♉13	10°47	29°22	1°54	22°47	8°11	29°29	3°14	12°28	23°38	24°56	7°24	n.a.	F 28
S 29	4 1 47	0♐33'16	20° 9	12°24	0♑37	2° 7	23° 0	8°18	29°27	3°16	12°28	23°28	24°53	7°30	n.a.	S 29
S 30	4 5 43	1♐34'31	3♊22	14♐ 1	1♑51	2♈20	23♏14	8♐25	29♈25	3♏18	12♒29	23♋19	24♋50	7♓37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s20	10n54	4s49	10s56	0s 5	20s25	0s57	0s24	0s44	16s33	0n30	20s35	0n54	11n26	0s25	10s42	1n50	31s38	14s59	21n14	21n10	12s59		n.a.
S 2	12 41	14 51	4 24	11 36	0 11	20 45	1 0	0 24	0 41	16 37	0 30	20 36	0 54	11 26	0 25	10 43	1 50	31 38	14 59	21 16	21 11	12 57		n.a.
M 3	13 2	18 9	3 45	12 15	0 18	21 5	1 2	0 24	0 38	16 41	0 30	20 37	0 53	11 25	0 25	10 44	1 50	31 37	14 58	21 18	21 12	12 55		n.a.
T 4	13 23	20 33	2 53	12 54	0 24	21 23	1 4	0 24	0 35	16 45	0 30	20 38	0 53	11 24	0 25	10 44	1 50	31 37	14 58	21 19	21 12	12 53		n.a.
W 5	13 44	21 52	1 51	13 33	0 31	21 42	1 6	0 23	0 32	16 49	0 30	20 40	0 53	11 23	0 25	10 45	1 50	31 37	14 58	21 20	21 13	12 52		n.a.
T 6	14 4	21 55	0 42	14 11	0 37	21 59	1 9	0 22	0 29	16 53	0 30	20 41	0 53	11 22	0 25	10 46	1 50	31 37	14 58	21 20	21 13	12 50		n.a.
F 7	14 24	20 38	0n31	14 48	0 43	22 16	1 11	0 21	0 26	16 57	0 30	20 42	0 53	11 21	0 25	10 47	1 50	31 36	14 57	21 20	21 14	12 48		n.a.
S 8	14 44	18 6	1 43	15 25	0 49	22 33	1 13	0 20	0 24	17 1	0 30	20 43	0 53	11 20	0 25	10 47	1 50	31 36	14 57	21 20	21 15	12 46		n.a.
S 9	15 4	14 27	2 50	16 1	0 55	22 48	1 15	0 18	0 21	17 5	0 29	20 45	0 53	11 19	0 25	10 48	1 50	31 36	14 57	21 20	21 15	12 44		n.a.
M10	15 23	9 56	3 46	16 37	1 1	23 3	1 17	0 16	0 18	17 8	0 29	20 46	0 53	11 18	0 25	10 49	1 50	31 35	14 56	21 21	21 16	12 42		n.a.
T 11	15 42	4 48	4 29	17 11	1 6	23 18	1 19	0 13	0 16	17 12	0 29	20 47	0 53	11 18	0 25	10 50	1 50	31 35	14 56	21 22	21 16	12 40		n.a.
W12	16 1	0s37	4 55	17 45	1 12	23 31	1 21	0 11	0 13	17 16	0 29	20 49	0 53	11 17	0 25	10 51	1 50	31 34	14 56	21 24	21 17	12 39		n.a.
T 13	16 20	5 59	5 1	18 18	1 17	23 44	1 23	0 8	0 11	17 20	0 29	20 50	0 52	11 16	0 25	10 51	1 50	31 34	14 55	21 26	21 18	12 37		n.a.
F 14	16 38	10 58	4 49	18 50	1 22	23 56	1 24	0 5	0 8	17 24	0 29	20 51	0 52	11 15	0 25	10 52	1 50	31 34	14 55	21 28	21 18	12 35		n.a.
S 15	16 56	15 16	4 19	19 22	1 27	24 8	1 26	0 1	0 6	17 28	0 29	20 52	0 52	11 14	0 25	10 53	1 50	31 33	14 55	21 30	21 19	12 33		n.a.
S 16	17 14	18 38	3 35	19 52	1 32	24 19	1 28	0n 2	0 4	17 32	0 29	20 54	0 52	11 13	0 25	10 54	1 50	31 33	14 54	21 32	21 19	12 31		n.a.
M17	17 31	20 55	2 39	20 22	1 37	24 29	1 30	0 6	0 1	17 36	0 29	20 55	0 52	11 12	0 25	10 54	1 50	31 32	14 54	21 33	21 20	12 29		n.a.
T 18	17 48	22 2	1 37	20 50	1 41	24 38	1 31	0 10	0n 1	17 39	0 29	20 56	0 52	11 12	0 24	10 55	1 50	31 32	14 54	21 34	21 21	12 27		n.a.
W19	18 5	21 59	0 32	21 17	1 45	24 47	1 33	0 15	0 3	17 43	0 28	20 57	0 52	11 11	0 24	10 56	1 50	31 32	14 53	21 34	21 21	12 25		n.a.
T 20	18 21	20 52	0s33	21 44	1 49	24 55	1 34	0 19	0 5	17 47	0 28	20 59	0 52	11 10	0 24	10 57	1 50	31 31	14 53	21 34	21 22	12 23		n.a.
F 21	18 37	18 50	1 36	22 9	1 52	25 2	1 36	0 24	0 7	17 51	0 28	21 0	0 52	11 9	0 24	10 57	1 50	31 31	14 53	21 34	21 22	12 22		n.a.
S 22	18 53	16 0	2 34	22 33	1 55	25 8	1 37	0 29	0 9	17 55	0 28	21 1	0 52	11 8	0 24	10 58	1 50	31 30	14 52	21 34	21 23	12 20		n.a.
S 23	19 8	12 32	3 25	22 56	1 58	25 14	1 38	0 35	0 11	17 58	0 28	21 2	0 51	11 8	0 24	10 59	1 50	31 30	14 52	21 34	21 24	12 18		n.a.
M24	19 23	8 35	4 7	23 17	2 1	25 19	1 39	0 40	0 13	18 2	0 28	21 3	0 51	11 7	0 24	10 59	1 50	31 29	14 52	21 35	21 24	12 16		n.a.
T 25	19 38	4 15	4 39	23 37	2 3	25 23	1 41	0 46	0 15	18 6	0 28	21 5	0 51	11 6	0 24	11 0	1 50	31 29	14 51	21 36	21 25	12 14		n.a.
W26	19 52	0n18	4 59	23 56	2 5	25 26	1 42	0 52	0 17	18 9	0 28	21 6	0 51	11 5	0 24	11 1	1 50	31 28	14 51	21 37	21 25	12 12		n.a.
T 27	20 6	4 55	5 5	24 13	2 6	25 28	1 43	0 58	0 18	18 13	0 28	21 7	0 51	11 5	0 24	11 2	1 50	31 28	14 51	21 39	21 26	12 10		n.a.
F 28	20 20	9 26	4 57	24 29	2 7	25 30	1 44	1 5	0 20	18 17	0 28	21 8	0 51	11 4	0 24	11 2	1 50	31 28	14 50	21 40	21 26	12 8		n.a.
S 29	20 33	13 38	4 33	24 43	2 8	25 31	1 45	1 11	0 22	18 20	0 28	21 10	0 51	11 3	0 24	11 3	1 50	31 27	14 50	21 42	21 27	12 6		n.a.
S 30	20s46	17n17	3s55	24s55	2s 8	25s31	1s45	1n18	0n24	18s24	0n27	21s11	0n51	11n 2	0s24	11s 4	1n50	31s27	14s50	21n44	21n28	12s 4		n.a.

Julian Day Number = 1479566.5, Delta T = 05h23m54s
Ecliptic obliquity = 23°46'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'07, Lahiri = -13°06'07 Julian Calendar 1 Nov. 663 BCE == Greg. Calendar 25 Oct. 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 663 BCE
geocentric

DECEMBER 663 BCE (-662) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 9 40	2♐35'47	16♊48	15♐37	3♉ 5	2♈33	23♏28	8♐32	29°R23	3♏20	12♒30	23°R12	24♋47	7♓44	n.a.	M 1
T 2	4 13 37	3°37'02	0♋27	17°14	4°19	2°47	23°42	8°40	29♈21	3°22	12°30	23♋ 7	24°44	7°50	n.a.	T 2
W 3	4 17 33	4°38'18	14°15	18°50	5°33	3° 2	23°55	8°47	29°19	3°24	12°31	23° 5	24°41	7°57	n.a.	W 3
T 4	4 21 30	5°39'33	28°11	20°25	6°47	3°17	24° 9	8°54	29°17	3°26	12°32	23°D 4	24°37	8° 4	n.a.	T 4
F 5	4 25 26	6°40'48	12♌11	21°59	8° 1	3°33	24°23	9° 1	29°15	3°28	12°32	23° 5	24°34	8°10	n.a.	F 5
S 6	4 29 23	7°42'04	26°16	23°32	9°15	3°49	24°36	9° 8	29°13	3°30	12°33	23° 7	24°31	8°17	n.a.	S 6
S 7	4 33 19	8°43'19	10♍23	25° 4	10°28	4° 5	24°50	9°15	29°11	3°32	12°34	23°R 7	24°28	8°24	n.a.	S 7
M 8	4 37 16	9°44'33	24°31	26°34	11°42	4°22	25° 4	9°22	29°10	3°34	12°35	23° 6	24°25	8°30	n.a.	M 8
T 9	4 41 12	10°45'48	8♎40	28° 2	12°56	4°40	25°17	9°29	29° 8	3°36	12°36	23° 3	24°21	8°37	n.a.	T 9
W10	4 45 9	11°47'02	22°45	29°28	14°10	4°58	25°31	9°36	29° 6	3°38	12°37	22°58	24°18	8°44	n.a.	W10
T 11	4 49 6	12°48'16	6♏45	0♑50	15°23	5°16	25°44	9°43	29° 4	3°40	12°37	22°52	24°15	8°50	n.a.	T 11
F 12	4 53 2	13°49'30	20°36	2°10	16°37	5°35	25°58	9°50	29° 3	3°42	12°38	22°45	24°12	8°57	n.a.	F 12
S 13	4 56 59	14°50'43	4♐14	3°25	17°51	5°54	26°11	9°57	29° 1	3°43	12°39	22°39	24° 9	9° 4	n.a.	S 13
S 14	5 0 55	15°51'56	17°37	4°35	19° 4	6°14	26°25	10° 4	29° 0	3°45	12°40	22°33	24° 6	9°10	n.a.	S 14
M15	5 4 52	16°53'08	0♑42	5°39	20°18	6°34	26°38	10°12	28°58	3°47	12°41	22°29	24° 2	9°17	n.a.	M15
T 16	5 8 48	17°54'19	13°29	6°38	21°31	6°55	26°52	10°19	28°57	3°49	12°42	22°27	23°59	9°24	n.a.	T 16
W17	5 12 45	18°55'29	25°58	7°29	22°45	7°16	27° 5	10°26	28°55	3°51	12°43	22°D27	23°56	9°31	n.a.	W17
T 18	5 16 42	19°56'38	8♒12	8°11	23°58	7°37	27°18	10°33	28°54	3°52	12°44	22°28	23°53	9°37	n.a.	T 18
F 19	5 20 38	20°57'46	20°13	8°45	25°12	7°58	27°32	10°40	28°53	3°54	12°45	22°29	23°50	9°44	n.a.	F 19
S 20	5 24 35	21°58'53	2♓ 7	9° 9	26°25	8°20	27°45	10°47	28°52	3°56	12°46	22°31	23°47	9°51	n.a.	S 20
S 21	5 28 31	22°59'59	13°57	9°23	27°38	8°43	27°58	10°54	28°50	3°57	12°47	22°33	23°43	9°57	n.a.	S 21
M22	5 32 28	24° 1'03	25°48	9°R26	28°51	9° 5	28°11	11° 1	28°49	3°59	12°48	22°R33	23°40	10° 4	n.a.	M22
T 23	5 36 24	25° 2'06	7♈46	9°17	0♒ 4	9°28	28°24	11° 8	28°48	4° 0	12°50	22°32	23°37	10°11	n.a.	T 23
W24	5 40 21	26° 3'08	19°56	8°56	1°17	9°52	28°38	11°15	28°47	4° 2	12°51	22°30	23°34	10°17	n.a.	W24
T 25	5 44 17	27° 4'09	2♉21	8°25	2°30	10°15	28°51	11°21	28°46	4° 4	12°52	22°27	23°31	10°24	n.a.	T 25
F 26	5 48 14	28° 5'08	15° 5	7°43	3°43	10°39	29° 4	11°28	28°45	4° 5	12°53	22°23	23°27	10°31	n.a.	F 26
S 27	5 52 11	29° 6'05	28°10	6°51	4°56	11° 3	29°16	11°35	28°44	4° 7	12°54	22°19	23°24	10°37	n.a.	S 27
S 28	5 56 7	0♑ 7'02	11♊36	5°51	6° 9	11°28	29°29	11°42	28°43	4° 8	12°55	22°16	23°21	10°44	n.a.	S 28
M29	6 0 4	1° 7'57	25°22	4°45	7°22	11°53	29°42	11°49	28°42	4°10	12°57	22°13	23°18	10°51	n.a.	M29
T 30	6 4 0	2° 8'51	9♋26	3°34	8°34	12°18	29°55	11°56	28°42	4°11	12°58	22°12	23°15	10°57	n.a.	T 30
W31	6 7 57	3♑ 9'44	23♋42	2♑21	9♒47	12♈43	0♐ 8	12♐ 3	28♈41	4♏12	12♒59	22°D11	23♋12	11♓ 4	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20s58	20n 5	3s 2	25s 6	2s 8	25s30	1s46	1n25	0n25	18s27	0n27	21s12	0n51	11n 2	0s24	11s 4	1n50	31s26	14s50	21n45	21n28	12s 2		n.a.
T 2	21 10	21 48	1 59	25 15	2 6	25 29	1 47	1 32	0 27	18 31	0 27	21 13	0 51	11 1	0 24	11 5	1 50	31 26	14 49	21 46	21 29	12 0		n.a.
W 3	21 22	22 13	0 47	25 22	2 5	25 27	1 47	1 39	0 28	18 35	0 27	21 14	0 51	11 0	0 24	11 6	1 51	31 25	14 49	21 46	21 29	11 58		n.a.
T 4	21 33	21 16	0n28	25 28	2 3	25 24	1 48	1 47	0 30	18 38	0 27	21 15	0 51	11 0	0 24	11 6	1 51	31 25	14 49	21 46	21 30	11 56		n.a.
F 5	21 44	19 0	1 41	25 31	2 0	25 20	1 48	1 54	0 31	18 42	0 27	21 17	0 51	10 59	0 24	11 7	1 51	31 24	14 48	21 46	21 30	11 54		n.a.
S 6	21 54	15 35	2 50	25 33	1 56	25 15	1 49	2 2	0 33	18 45	0 27	21 18	0 50	10 58	0 24	11 8	1 51	31 24	14 48	21 46	21 31	11 52		n.a.
S 7	22 4	11 17	3 48	25 32	1 52	25 10	1 49	2 10	0 34	18 48	0 27	21 19	0 50	10 58	0 24	11 8	1 51	31 23	14 48	21 46	21 32	11 50		n.a.
M 8	22 13	6 21	4 32	25 30	1 47	25 4	1 49	2 18	0 36	18 52	0 27	21 20	0 50	10 57	0 24	11 9	1 51	31 22	14 47	21 46	21 32	11 49		n.a.
T 9	22 22	1 6	5 0	25 26	1 41	24 57	1 49	2 27	0 37	18 55	0 27	21 21	0 50	10 57	0 24	11 9	1 51	31 22	14 47	21 46	21 33	11 47		n.a.
W10	22 31	4s11	5 9	25 20	1 34	24 49	1 49	2 35	0 38	18 59	0 27	21 22	0 50	10 56	0 24	11 10	1 51	31 21	14 47	21 47	21 33	11 45		n.a.
T 11	22 39	9 14	5 1	25 12	1 26	24 41	1 49	2 44	0 40	19 2	0 27	21 24	0 50	10 55	0 24	11 11	1 51	31 21	14 47	21 48	21 34	11 43		n.a.
F 12	22 47	13 45	4 34	25 2	1 17	24 32	1 49	2 52	0 41	19 5	0 26	21 25	0 50	10 55	0 24	11 11	1 51	31 20	14 46	21 49	21 34	11 41		n.a.
S 13	22 54	17 29	3 52	24 51	1 7	24 22	1 49	3 1	0 42	19 9	0 26	21 26	0 50	10 54	0 24	11 12	1 51	31 20	14 46	21 51	21 35	11 39		n.a.
S 14	23 1	20 14	2 58	24 38	0 56	24 11	1 49	3 10	0 43	19 12	0 26	21 27	0 50	10 54	0 24	11 12	1 51	31 19	14 46	21 51	21 36	11 37		n.a.
M15	23 7	21 50	1 56	24 23	0 44	24 0	1 48	3 19	0 44	19 15	0 26	21 28	0 50	10 53	0 24	11 13	1 51	31 19	14 46	21 52	21 36	11 35		n.a.
T 16	23 13	22 16	0 49	24 7	0 31	23 48	1 48	3 29	0 46	19 18	0 26	21 29	0 50	10 53	0 24	11 14	1 51	31 18	14 45	21 52	21 37	11 33		n.a.
W17	23 18	21 34	0s19	23 51	0 17	23 35	1 47	3 38	0 47	19 21	0 26	21 30	0 50	10 52	0 24	11 14	1 51	31 18	14 45	21 53	21 37	11 31		n.a.
T 18	23 23	19 50	1 25	23 33	0 2	23 22	1 47	3 48	0 48	19 25	0 26	21 31	0 50	10 52	0 24	11 15	1 51	31 17	14 45	21 52	21 38	11 29		n.a.
F 19	23 28	17 15	2 26	23 15	0n14	23 8	1 46	3 57	0 49	19 28	0 26	21 32	0 50	10 51	0 24	11 15	1 51	31 17	14 45	21 52	21 38	11 27		n.a.
S 20	23 32	13 59	3 20	22 56	0 31	22 53	1 45	4 7	0 50	19 31	0 26	21 33	0 50	10 51	0 24	11 16	1 51	31 16	14 44	21 52	21 39	11 25		n.a.
S 21	23 35	10 10	4 6	22 37	0 49	22 38	1 44	4 17	0 51	19 34	0 26	21 34	0 50	10 51	0 24	11 16	1 51	31 15	14 44	21 52	21 39	11 23		n.a.
M22	23 38	5 58	4 41	22 19	1 7	22 22	1 43	4 27	0 52	19 37	0 26	21 35	0 49	10 50	0 24	11 17	1 51	31 15	14 44	21 51	21 40	11 21		n.a.
T 23	23 41	1 31	5 4	22 1	1 26	22 5	1 42	4 37	0 53	19 40	0 26	21 36	0 49	10 50	0 24	11 17	1 51	31 14	14 44	21 52	21 41	11 19		n.a.
W24	23 43	3n 4	5 14	21 44	1 45	21 48	1 41	4 47	0 54	19 43	0 26	21 38	0 49	10 49	0 24	11 18	1 51	31 14	14 43	21 52	21 41	11 17		n.a.
T 25	23 44	7 37	5 9	21 27	2 3	21 30	1 40	4 57	0 55	19 46	0 25	21 39	0 49	10 49	0 24	11 18	1 51	31 13	14 43	21 52	21 42	11 15		n.a.
F 26	23 46	11 58	4 50	21 12	2 21	21 11	1 39	5 7	0 56	19 49	0 25	21 40	0 49	10 49	0 24	11 19	1 51	31 13	14 43	21 53	21 42	11 13		n.a.
S 27	23 46	15 53	4 15	20 58	2 38	20 52	1 37	5 18	0 56	19 52	0 25	21 41	0 49	10 48	0 24	11 19	1 51	31 12	14 43	21 54	21 43	11 10		n.a.
S 28	23 46	19 6	3 25	20 45	2 53	20 32	1 36	5 28	0 57	19 55	0 25	21 42	0 49	10 48	0 24	11 20	1 51	31 11	14 43	21 54	21 43	11 8		n.a.
M29	23 46	21 19	2 23	20 34	3 7	20 12	1 34	5 39	0 58	19 58	0 25	21 42	0 49	10 48	0 24	11 20	1 52	31 11	14 42	21 55	21 44	11 6		n.a.
T 30	23 45	22 16	1 10	20 25	3 19	19 51	1 32	5 49	0 59	20 0	0 25	21 43	0 49	10 48	0 24	11 21	1 52	31 10	14 42	21 55	21 44	11 4		n.a.
W31	23s44	21n48	0n 8	20s17	3n28	19s30	1s31	6n 0	1n 0	20s 3	0n25	21s44	0n49	10n47	0s24	11s21	1n52	31s10	14s42	21n55	21n45	11s 2		n.a.

Julian Day Number = 1479596.5, Delta T = 05h23m53s
Ecliptic obliquity = 23°46'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°13'03, Lahiri = -13°06'02 Julian Calendar 1 Dec. 663 BCE == Greg. Calendar 24 Nov. 663 BCE

The year -662 astronomical counting style corresponds to year 663 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

JANUARY 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 11 53	4♉10'35	8♌ 7	1°R 7	10♒59	13♈ 8	0♐20	12♐ 9	28°R40	4♏14	13♒ 0	22♋12	23♋ 8	11♓11	n.a.	T 1
F 2	6 15 50	5°11'26	22°34	29♐56	12°12	13°34	0°33	12°16	28♈40	4°15	13° 2	22°13	23° 5	11°18	n.a.	F 2
S 3	6 19 47	6°12'15	6♍59	28°48	13°24	14° 0	0°46	12°23	28°39	4°16	13° 3	22°14	23° 2	11°24	n.a.	S 3
S 4	6 23 43	7°13'02	21°19	27°45	14°36	14°27	0°58	12°29	28°39	4°18	13° 4	22°15	22°59	11°31	n.a.	S 4
M 5	6 27 40	8°13'49	5♎31	26°48	15°49	14°53	1°10	12°36	28°38	4°19	13° 6	22°R16	22°56	11°38	n.a.	M 5
T 6	6 31 36	9°14'35	19°32	25°59	17° 1	15°20	1°23	12°43	28°38	4°20	13° 7	22°15	22°52	11°44	n.a.	T 6
W 7	6 35 33	10°15'19	3♏22	25°17	18°13	15°47	1°35	12°49	28°37	4°21	13° 8	22°15	22°49	11°51	n.a.	W 7
T 8	6 39 29	11°16'02	16°59	24°43	19°24	16°14	1°47	12°56	28°37	4°22	13°10	22°13	22°46	11°58	n.a.	T 8
F 9	6 43 26	12°16'44	0♐23	24°18	20°36	16°41	2° 0	13° 2	28°37	4°24	13°11	22°12	22°43	12° 4	n.a.	F 9
S 10	6 47 22	13°17'25	13°34	24° 0	21°48	17° 9	2°12	13° 9	28°37	4°25	13°12	22°11	22°40	12°11	n.a.	S 10
S 11	6 51 19	14°18'04	26°31	23°50	23° 0	17°37	2°24	13°15	28°36	4°26	13°14	22°10	22°37	12°18	n.a.	S 11
M12	6 55 16	15°18'41	9♉15	23°D48	24°11	18° 5	2°36	13°22	28°36	4°27	13°15	22° 9	22°33	12°24	n.a.	M12
T 13	6 59 12	16°19'17	21°46	23°52	25°23	18°33	2°47	13°28	28°D36	4°28	13°17	22°D 9	22°30	12°31	n.a.	T 13
W14	7 3 9	17°19'51	4♒ 4	24° 3	26°34	19° 1	2°59	13°34	28°36	4°29	13°18	22° 9	22°27	12°38	n.a.	W14
T 15	7 7 5	18°20'24	16°12	24°21	27°45	19°30	3°11	13°41	28°36	4°30	13°20	22° 9	22°24	12°45	n.a.	T 15
F 16	7 11 2	19°20'54	28°11	24°44	28°56	19°59	3°23	13°47	28°36	4°31	13°21	22°10	22°21	12°51	n.a.	F 16
S 17	7 14 58	20°21'23	10♓ 4	25°12	0♓ 7	20°27	3°34	13°53	28°37	4°32	13°22	22°10	22°18	12°58	n.a.	S 17
S 18	7 18 55	21°21'49	21°54	25°45	1°18	20°57	3°46	13°59	28°37	4°32	13°24	22°10	22°14	13° 5	n.a.	S 18
M19	7 22 51	22°22'13	3♈45	26°23	2°29	21°26	3°57	14° 5	28°37	4°33	13°25	22°R10	22°11	13°11	n.a.	M19
T 20	7 26 48	23°22'36	15°42	27° 5	3°40	21°55	4° 8	14°11	28°37	4°34	13°27	22°10	22° 8	13°18	n.a.	T 20
W21	7 30 45	24°22'56	27°49	27°51	4°50	22°25	4°20	14°17	28°38	4°35	13°28	22°D10	22° 5	13°25	n.a.	W21
T 22	7 34 41	25°23'14	10♉11	28°40	6° 1	22°55	4°31	14°23	28°38	4°35	13°30	22°10	22° 2	13°31	n.a.	T 22
F 23	7 38 38	26°23'30	22°52	29°33	7°11	23°25	4°42	14°29	28°39	4°36	13°31	22°11	21°58	13°38	n.a.	F 23
S 24	7 42 34	27°23'44	5♊56	0♉29	8°21	23°55	4°53	14°35	28°39	4°37	13°33	22°11	21°55	13°45	n.a.	S 24
S 25	7 46 31	28°23'55	19°24	1°27	9°31	24°25	5° 4	14°41	28°40	4°37	13°34	22°12	21°52	13°51	n.a.	S 25
M26	7 50 27	29°24'05	3♋18	2°29	10°41	24°55	5°14	14°46	28°41	4°38	13°36	22°12	21°49	13°58	n.a.	M26
T 27	7 54 24	0♒24'12	17°35	3°32	11°51	25°26	5°25	14°52	28°41	4°39	13°37	22°R13	21°46	14° 5	n.a.	T 27
W28	7 58 20	1°24'18	2♌12	4°39	13° 0	25°56	5°36	14°58	28°42	4°39	13°39	22°12	21°43	14°12	n.a.	W28
T 29	8 2 17	2°24'21	17° 2	5°47	14°10	26°27	5°46	15° 3	28°43	4°40	13°41	22°12	21°39	14°18	n.a.	T 29
F 30	8 6 14	3°24'22	1♍58	6°57	15°19	26°58	5°56	15° 9	28°44	4°40	13°42	22°11	21°36	14°25	n.a.	F 30
S 31	8 10 10	4♒24'22	16♍51	8♉10	16♓28	27♈29	6♐ 7	15♐14	28♈45	4♏40	13♒44	22♋ 9	21♋33	14♓32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s42	19n53	1n27	20s11	3n35	19s 8	1s29	6n11	1n 0	20s 6	0n25	21s45	0n49	10n47	0s23	11s21	1n52	31s 9	14s42	21n55	21n46	11s 0			n.a.
F 2	23 40	16 42	2 40	20 6	3 40	18 46	1 27	6 22	1 1	20 9	0 25	21 46	0 49	10 47	0 23	11 22	1 52	31 9	14 42	21 55	21 46	10 58			n.a.
S 3	23 38	12 31	3 43	20 4	3 42	18 23	1 25	6 33	1 2	20 11	0 25	21 47	0 49	10 47	0 23	11 22	1 52	31 8	14 41	21 55	21 47	10 56			n.a.
S 4	23 34	7 38	4 32	20 3	3 43	18 0	1 23	6 44	1 3	20 14	0 25	21 48	0 49	10 47	0 23	11 23	1 52	31 7	14 41	21 54	21 47	10 54			n.a.
M 5	23 31	2 24	5 3	20 4	3 41	17 36	1 21	6 55	1 3	20 17	0 25	21 49	0 49	10 47	0 23	11 23	1 52	31 7	14 41	21 54	21 48	10 52			n.a.
T 6	23 27	2s53	5 16	20 6	3 37	17 12	1 18	7 6	1 4	20 19	0 25	21 50	0 49	10 46	0 23	11 23	1 52	31 6	14 41	21 54	21 48	10 50			n.a.
W 7	23 22	7 57	5 11	20 10	3 31	16 47	1 16	7 17	1 5	20 22	0 25	21 51	0 49	10 46	0 23	11 24	1 52	31 6	14 41	21 55	21 49	10 48			n.a.
T 8	23 17	12 33	4 48	20 16	3 24	16 22	1 14	7 28	1 5	20 24	0 25	21 52	0 49	10 46	0 23	11 24	1 52	31 5	14 41	21 55	21 49	10 46			n.a.
F 9	23 12	16 27	4 9	20 23	3 16	15 57	1 11	7 40	1 6	20 27	0 24	21 53	0 49	10 46	0 23	11 24	1 52	31 4	14 40	21 55	21 50	10 44			n.a.
S 10	23 6	19 28	3 18	20 31	3 7	15 31	1 9	7 51	1 6	20 29	0 24	21 53	0 49	10 46	0 23	11 25	1 52	31 4	14 40	21 55	21 50	10 42			n.a.
S 11	23 0	21 26	2 17	20 41	2 57	15 5	1 6	8 2	1 7	20 32	0 24	21 54	0 49	10 46	0 23	11 25	1 52	31 3	14 40	21 55	21 51	10 40			n.a.
M12	22 53	22 16	1 11	20 51	2 47	14 38	1 3	8 14	1 8	20 34	0 24	21 55	0 49	10 46	0 23	11 25	1 52	31 3	14 40	21 55	21 51	10 38			n.a.
T 13	22 46	21 57	0 2	21 2	2 36	14 11	1 0	8 25	1 8	20 37	0 24	21 56	0 49	10 46	0 23	11 26	1 52	31 2	14 40	21 55	21 52	10 35			n.a.
W14	22 38	20 34	1s 6	21 14	2 25	13 44	0 57	8 36	1 9	20 39	0 24	21 57	0 49	10 46	0 23	11 26	1 52	31 2	14 40	21 55	21 52	10 33			n.a.
T 15	22 30	18 16	2 10	21 26	2 13	13 16	0 54	8 48	1 9	20 42	0 24	21 57	0 49	10 46	0 23	11 26	1 52	31 1	14 40	21 55	21 53	10 31			n.a.
F 16	22 21	15 11	3 7	21 38	2 2	12 48	0 51	8 59	1 10	20 44	0 24	21 58	0 48	10 46	0 23	11 26	1 52	31 1	14 39	21 55	21 54	10 29			n.a.
S 17	22 12	11 32	3 56	21 51	1 50	12 20	0 48	9 11	1 10	20 46	0 24	21 59	0 48	10 46	0 23	11 27	1 53	31 0	14 39	21 55	21 54	10 27			n.a.
S 18	22 3	7 27	4 34	22 4	1 39	11 52	0 45	9 23	1 11	20 48	0 24	22 0	0 48	10 46	0 23	11 27	1 53	30 59	14 39	21 55	21 55	10 25			n.a.
M19	21 53	3 5	5 1	22 16	1 27	11 23	0 42	9 34	1 11	20 51	0 24	22 1	0 48	10 47	0 23	11 27	1 53	30 59	14 39	21 55	21 55	10 23			n.a.
T 20	21 43	1n25	5 16	22 29	1 16	10 54	0 38	9 46	1 12	20 53	0 24	22 1	0 48	10 47	0 23	11 27	1 53	30 58	14 39	21 55	21 56	10 21			n.a.
W21	21 32	5 56	5 16	22 41	1 5	10 25	0 35	9 57	1 12	20 55	0 24	22 2	0 48	10 47	0 23	11 28	1 53	30 58	14 39	21 55	21 56	10 19			n.a.
T 22	21 21	10 18	5 2	22 52	0 54	9 55	0 31	10 9	1 13	20 57	0 24	22 3	0 48	10 47	0 23	11 28	1 53	30 57	14 39	21 55	21 57	10 17			n.a.
F 23	21 10	14 21	4 33	23 4	0 43	9 25	0 28	10 21	1 13	20 59	0 24	22 3	0 48	10 47	0 23	11 28	1 53	30 57	14 39	21 55	21 57	10 14			n.a.
S 24	20 58	17 50	3 50	23 14	0 32	8 55	0 24	10 32	1 14	21 1	0 24	22 4	0 48	10 47	0 23	11 28	1 53	30 56	14 39	21 55	21 58	10 12			n.a.
S 25	20 46	20 29	2 52	23 24	0 22	8 25	0 20	10 44	1 14	21 3	0 24	22 5	0 48	10 48	0 23	11 28	1 53	30 56	14 39	21 55	21 58	10 10			n.a.
M26	20 34	22 1	1 43	23 33	0 12	7 55	0 17	10 56	1 14	21 5	0 23	22 6	0 48	10 48	0 23	11 28	1 53	30 55	14 39	21 55	21 59	10 8			n.a.
T 27	20 21	22 11	0 26	23 41	0 2	7 25	0 13	11 7	1 15	21 7	0 23	22 6	0 48	10 48	0 23	11 28	1 53	30 54	14 38	21 55	21 59	10 6			n.a.
W28	20 8	20 50	0n55	23 49	0s 7	6 54	0 9	11 19	1 15	21 9	0 23	22 7	0 48	10 49	0 23	11 29	1 53	30 54	14 38	21 55	22 0	10 4			n.a.
T 29	19 54	18 4	2 13	23 55	0 17	6 24	0 5	11 31	1 15	21 11	0 23	22 7	0 48	10 49	0 23	11 29	1 53	30 53	14 38	21 55	22 0	10 2			n.a.
F 30	19 40	14 4	3 23	24 1	0 25	5 53	0 1	11 42	1 16	21 13	0 23	22 8	0 48	10 49	0 23	11 29	1 53	30 53	14 38	21 55	22 1	9 59			n.a.
S 31	19s26	9n13	4n19	24s 5	0s34	5s22	0n 3	11n54	1n16	21s15	0n23	22s 9	0n48	10n50	0s23	11s29	1n53	30s52	14s38	21n55	22n 1	9s57			n.a.

Julian Day Number = 1479627.5, Delta T = 05h23m51s
Ecliptic obliquity = 23°46'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'59, Lahiri = -13°05'58 Julian Calendar 1 Jan. 662 BCE == Greg. Calendar 25 Dec. 663 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

FEBRUARY 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 14 7	5♒24'19	1♎33	9♑24	17♓37	28♈ 0	6♐17	15♐20	28♈46	4♏41	13♒45	22°R 8	21♋30	14♓38	n.a.	S 1
M 2	8 18 3	6°24'15	16° 1	10°40	18°46	28°31	6°27	15°25	28°47	4°41	13°47	22♋ 7	21°27	14°45	n.a.	M 2
T 3	8 22 0	7°24'09	0♏ 8	11°57	19°55	29° 2	6°37	15°30	28°48	4°41	13°48	22° 6	21°24	14°52	n.a.	T 3
W 4	8 25 56	8°24'02	13°56	13°17	21° 3	29°34	6°47	15°35	28°49	4°42	13°50	22°D 6	21°20	14°58	n.a.	W 4
T 5	8 29 53	9°23'52	27°22	14°38	22°11	0♉ 5	6°56	15°41	28°50	4°42	13°51	22° 6	21°17	15° 5	n.a.	T 5
F 6	8 33 49	10°23'41	10♐30	16° 0	23°20	0°37	7° 6	15°46	28°51	4°42	13°53	22° 8	21°14	15°12	n.a.	F 6
S 7	8 37 46	11°23'28	23°21	17°24	24°28	1° 8	7°15	15°51	28°52	4°42	13°55	22° 9	21°11	15°19	n.a.	S 7
S 8	8 41 42	12°23'13	5♑58	18°49	25°35	1°40	7°25	15°56	28°54	4°43	13°56	22°10	21° 8	15°25	n.a.	S 8
M 9	8 45 39	13°22'56	18°22	20°16	26°43	2°12	7°34	16° 0	28°55	4°43	13°58	22°R11	21° 4	15°32	n.a.	M 9
T 10	8 49 36	14°22'37	0♒36	21°44	27°50	2°44	7°43	16° 5	28°56	4°43	13°59	22°11	21° 1	15°39	n.a.	T 10
W11	8 53 32	15°22'16	12°42	23°13	28°57	3°16	7°52	16°10	28°58	4°43	14° 1	22°10	20°58	15°45	n.a.	W11
T 12	8 57 29	16°21'53	24°42	24°44	0♈ 4	3°49	8° 1	16°15	28°59	4°R43	14° 2	22° 7	20°55	15°52	n.a.	T 12
F 13	9 1 25	17°21'28	6♓36	26°16	1°11	4°21	8°10	16°19	29° 1	4°43	14° 4	22° 3	20°52	15°59	n.a.	F 13
S 14	9 5 22	18°21'00	18°27	27°49	2°18	4°53	8°19	16°24	29° 3	4°43	14° 6	21°59	20°49	16° 5	n.a.	S 14
S 15	9 9 18	19°20'30	0♈17	29°24	3°24	5°26	8°27	16°28	29° 4	4°43	14° 7	21°54	20°45	16°12	n.a.	S 15
M16	9 13 15	20°19'57	12°10	1♒ 0	4°30	5°59	8°36	16°33	29° 6	4°43	14° 9	21°49	20°42	16°19	n.a.	M16
T 17	9 17 11	21°19'23	24° 7	2°37	5°36	6°31	8°44	16°37	29° 8	4°42	14°10	21°45	20°39	16°26	n.a.	T 17
W18	9 21 8	22°18'46	6♉13	4°16	6°42	7° 4	8°52	16°41	29° 9	4°42	14°12	21°43	20°36	16°32	n.a.	W18
T 19	9 25 5	23°18'06	18°31	5°56	7°47	7°37	9° 0	16°45	29°11	4°42	14°13	21°D41	20°33	16°39	n.a.	T 19
F 20	9 29 1	24°17'24	1♊ 7	7°37	8°52	8°10	9° 8	16°49	29°13	4°42	14°15	21°41	20°30	16°46	n.a.	F 20
S 21	9 32 58	25°16'40	14° 4	9°19	9°57	8°43	9°16	16°53	29°15	4°41	14°16	21°43	20°26	16°52	n.a.	S 21
S 22	9 36 54	26°15'53	27°25	11° 3	11° 1	9°16	9°23	16°57	29°17	4°41	14°18	21°44	20°23	16°59	n.a.	S 22
M23	9 40 51	27°15'04	11♋14	12°48	12° 6	9°49	9°31	17° 1	29°19	4°41	14°20	21°45	20°20	17° 6	n.a.	M23
T 24	9 44 47	28°14'12	25°31	14°35	13°10	10°22	9°38	17° 5	29°21	4°40	14°21	21°R46	20°17	17°12	n.a.	T 24
W25	9 48 44	29°13'18	10♌13	16°23	14°13	10°56	9°45	17° 8	29°23	4°40	14°23	21°45	20°14	17°19	n.a.	W25
T 26	9 52 40	0♓12'22	25°15	18°12	15°17	11°29	9°52	17°12	29°25	4°40	14°24	21°41	20°10	17°26	n.a.	T 26
F 27	9 56 37	1°11'23	10♍28	20° 3	16°20	12° 3	9°59	17°15	29°27	4°39	14°26	21°37	20° 7	17°33	n.a.	F 27
S 28	10 0 33	2♓10'23	25♍42	21♒55	17♈23	12♉36	10♐ 6	17♐19	29♈30	4♏39	14♒27	21♋31	20♋ 4	17♓39	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s11	3n54	4n56	24s 8	0s42	4s51	0n 7	12n 6	1n17	21s17	0n23	22s 9	0n48	10n50	0s23	11s29	1n53	30s52	14s38	21n56	22n 2	9s55			n.a.
M 2	18 56	1s33	5 15	24 10	0 50	4 20	0 11	12 17	1 17	21 19	0 23	22 10	0 48	10 50	0 23	11 29	1 53	30 51	14 38	21 56	22 2	9 53			n.a.
T 3	18 41	6 48	5 13	24 11	0 58	3 49	0 16	12 29	1 17	21 20	0 23	22 11	0 48	10 51	0 23	11 29	1 54	30 51	14 38	21 56	22 3	9 51			n.a.
W 4	18 25	11 34	4 54	24 11	1 5	3 18	0 20	12 41	1 17	21 22	0 23	22 11	0 48	10 51	0 23	11 29	1 54	30 50	14 38	21 56	22 3	9 49			n.a.
T 5	18 9	15 39	4 19	24 9	1 12	2 46	0 24	12 52	1 18	21 24	0 23	22 12	0 48	10 52	0 22	11 29	1 54	30 50	14 38	21 56	22 4	9 47			n.a.
F 6	17 53	18 52	3 30	24 6	1 19	2 15	0 29	13 4	1 18	21 25	0 23	22 12	0 48	10 52	0 22	11 29	1 54	30 49	14 38	21 56	22 4	9 44			n.a.
S 7	17 36	21 4	2 33	24 2	1 25	1 44	0 33	13 15	1 18	21 27	0 23	22 13	0 48	10 53	0 22	11 29	1 54	30 49	14 38	21 55	22 5	9 42			n.a.
S 8	17 19	22 10	1 28	23 56	1 31	1 12	0 37	13 27	1 19	21 29	0 23	22 13	0 48	10 53	0 22	11 29	1 54	30 48	14 38	21 55	22 5	9 40			n.a.
M 9	17 2	22 9	0 21	23 48	1 36	0 41	0 42	13 38	1 19	21 30	0 23	22 14	0 48	10 54	0 22	11 29	1 54	30 48	14 38	21 55	22 6	9 38			n.a.
T 10	16 45	21 3	0s46	23 39	1 41	0 10	0 46	13 50	1 19	21 32	0 23	22 14	0 48	10 54	0 22	11 29	1 54	30 47	14 38	21 55	22 6	9 36			n.a.
W11	16 27	19 0	1 51	23 29	1 46	0n21	0 51	14 1	1 19	21 33	0 23	22 15	0 48	10 55	0 22	11 29	1 54	30 47	14 38	21 55	22 7	9 34			n.a.
T 12	16 9	16 8	2 49	23 17	1 50	0 53	0 56	14 13	1 20	21 35	0 23	22 15	0 48	10 55	0 22	11 29	1 54	30 46	14 38	21 56	22 7	9 31			n.a.
F 13	15 51	12 37	3 40	23 4	1 54	1 24	1 0	14 24	1 20	21 36	0 22	22 16	0 48	10 56	0 22	11 29	1 54	30 46	14 38	21 56	22 8	9 29			n.a.
S 14	15 32	8 38	4 21	22 49	1 58	1 55	1 5	14 35	1 20	21 38	0 22	22 16	0 48	10 56	0 22	11 29	1 54	30 46	14 38	21 57	22 8	9 27			n.a.
S 15	15 14	4 19	4 51	22 32	2 1	2 26	1 9	14 47	1 20	21 39	0 22	22 17	0 48	10 57	0 22	11 29	1 54	30 45	14 38	21 58	22 9	9 25			n.a.
M16	14 55	0n 9	5 8	22 14	2 4	2 57	1 14	14 58	1 21	21 41	0 22	22 17	0 48	10 58	0 22	11 29	1 54	30 45	14 38	21 59	22 9	9 23			n.a.
T 17	14 36	4 38	5 13	21 54	2 6	3 28	1 19	15 9	1 21	21 42	0 22	22 18	0 48	10 58	0 22	11 29	1 54	30 44	14 39	21 59	22 10	9 20			n.a.
W18	14 16	9 1	5 3	21 32	2 8	3 58	1 24	15 20	1 21	21 43	0 22	22 18	0 48	10 59	0 22	11 28	1 54	30 44	14 39	22 0	22 10	9 18			n.a.
T 19	13 56	13 6	4 39	21 8	2 9	4 29	1 28	15 31	1 21	21 45	0 22	22 19	0 48	11 0	0 22	11 28	1 54	30 43	14 39	22 0	22 11	9 16			n.a.
F 20	13 37	16 43	4 2	20 43	2 10	4 59	1 33	15 42	1 21	21 46	0 22	22 19	0 48	11 0	0 22	11 28	1 55	30 43	14 39	22 0	22 11	9 14			n.a.
S 21	13 16	19 38	3 11	20 16	2 11	5 30	1 38	15 53	1 22	21 47	0 22	22 19	0 48	11 1	0 22	11 28	1 55	30 43	14 39	22 0	22 12	9 12			n.a.
S 22	12 56	21 36	2 9	19 47	2 11	6 0	1 43	16 4	1 22	21 48	0 22	22 20	0 48	11 2	0 22	11 28	1 55	30 42	14 39	21 59	22 12	9 9			n.a.
M23	12 36	22 21	0 57	19 17	2 10	6 30	1 48	16 15	1 22	21 50	0 22	22 20	0 48	11 2	0 22	11 28	1 55	30 42	14 39	21 59	22 13	9 7			n.a.
T 24	12 15	21 40	0n20	18 45	2 9	6 59	1 52	16 26	1 22	21 51	0 22	22 20	0 48	11 3	0 22	11 28	1 55	30 41	14 39	21 59	22 13	9 5			n.a.
W25	11 54	19 31	1 39	18 11	2 8	7 29	1 57	16 37	1 22	21 52	0 22	22 21	0 48	11 4	0 22	11 27	1 55	30 41	14 39	21 59	22 14	9 3			n.a.
T 26	11 33	15 59	2 52	17 35	2 6	7 58	2 2	16 48	1 22	21 53	0 22	22 21	0 48	11 5	0 22	11 27	1 55	30 41	14 39	22 0	22 14	9 1			n.a.
F 27	11 12	11 20	3 54	16 57	2 3	8 27	2 7	16 58	1 23	21 54	0 22	22 22	0 48	11 6	0 22	11 27	1 55	30 40	14 39	22 1	22 15	8 58			n.a.
S 28	10s51	5n59	4n39	16s18	2s 0	8n56	2n12	17n 9	1n23	21s55	0n22	22s22	0n48	11n 6	0s22	11s27	1n55	30s40	14s40	22n 2	22n15	8s56			n.a.

Julian Day Number = 1479658.5, Delta T = 05h23m50s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'54, Lahiri = -13°05'54 Julian Calendar 1 Feb. 662 BCE == Greg. Calendar 25 Jan. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

MARCH 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 4 30	3♓ 9'20	10♎47	23♒48	18♈25	13♉10	10♐12	17♐22	29♈32	4°R38	14♒29	21°R25	20♋ 1	17♓46	n.a.	S 1
M 2	10 8 27	4° 8'15	25°33	25°43	19°27	13°43	10°19	17°25	29°34	4♏38	14°30	21♋19	19°58	17°53	n.a.	M 2
T 3	10 12 23	5° 7'09	9♏55	27°39	20°29	14°17	10°25	17°29	29°36	4°37	14°32	21°15	19°55	17°59	n.a.	T 3
W 4	10 16 20	6° 6'00	23°50	29°37	21°30	14°51	10°31	17°32	29°39	4°36	14°33	21°12	19°51	18° 6	n.a.	W 4
T 5	10 20 16	7° 4'50	7♐19	1♓36	22°31	15°24	10°37	17°35	29°41	4°36	14°35	21°D12	19°48	18°13	n.a.	T 5
F 6	10 24 13	8° 3'38	20°22	3°36	23°32	15°58	10°43	17°38	29°44	4°35	14°36	21°12	19°45	18°19	n.a.	F 6
S 7	10 28 9	9° 2'24	3♑ 4	5°38	24°32	16°32	10°48	17°40	29°46	4°34	14°38	21°14	19°42	18°26	n.a.	S 7
S 8	10 32 6	10° 1'09	15°29	7°40	25°32	17° 6	10°54	17°43	29°49	4°34	14°39	21°R15	19°39	18°33	n.a.	S 8
M 9	10 36 2	10°59'51	27°41	9°44	26°32	17°40	10°59	17°46	29°51	4°33	14°40	21°14	19°36	18°40	n.a.	M 9
T 10	10 39 59	11°58'32	9♒44	11°49	27°31	18°14	11° 4	17°48	29°54	4°32	14°42	21°13	19°32	18°46	n.a.	T 10
W11	10 43 56	12°57'10	21°40	13°54	28°29	18°48	11° 9	17°51	29°56	4°31	14°43	21° 8	19°29	18°53	n.a.	W11
T 12	10 47 52	13°55'47	3♓32	16° 0	29°28	19°23	11°14	17°53	29°59	4°30	14°45	21° 2	19°26	19° 0	n.a.	T 12
F 13	10 51 49	14°54'22	15°23	18° 7	0♉25	19°57	11°19	17°55	0♉ 2	4°29	14°46	20°53	19°23	19° 6	n.a.	F 13
S 14	10 55 45	15°52'54	27°14	20°14	1°23	20°31	11°23	17°58	0° 4	4°29	14°47	20°43	19°20	19°13	n.a.	S 14
S 15	10 59 42	16°51'24	9♈ 6	22°20	2°19	21° 6	11°28	18° 0	0° 7	4°28	14°49	20°32	19°16	19°20	n.a.	S 15
M16	11 3 38	17°49'53	21° 2	24°27	3°16	21°40	11°32	18° 2	0°10	4°27	14°50	20°21	19°13	19°26	n.a.	M16
T 17	11 7 35	18°48'19	3♉ 3	26°33	4°11	22°15	11°36	18° 3	0°13	4°26	14°52	20°12	19°10	19°33	n.a.	T 17
W18	11 11 31	19°46'43	15°12	28°37	5° 6	22°49	11°39	18° 5	0°16	4°25	14°53	20° 4	19° 7	19°40	n.a.	W18
T 19	11 15 28	20°45'05	27°31	0♈41	6° 1	23°24	11°43	18° 7	0°18	4°24	14°54	19°59	19° 4	19°47	n.a.	T 19
F 20	11 19 24	21°43'25	10♊ 5	2°43	6°55	23°58	11°46	18° 9	0°21	4°23	14°56	19°57	19° 1	19°53	n.a.	F 20
S 21	11 23 21	22°41'42	22°57	4°44	7°48	24°33	11°50	18°10	0°24	4°21	14°57	19°D56	18°57	20° 0	n.a.	S 21
S 22	11 27 18	23°39'58	6♋11	6°42	8°41	25° 8	11°53	18°11	0°27	4°20	14°58	19°56	18°54	20° 7	n.a.	S 22
M23	11 31 14	24°38'11	19°51	8°37	9°33	25°42	11°56	18°13	0°30	4°19	14°59	19°R57	18°51	20°13	n.a.	M23
T 24	11 35 11	25°36'22	3♌58	10°30	10°25	26°17	11°58	18°14	0°33	4°18	15° 1	19°56	18°48	20°20	n.a.	T 24
W25	11 39 7	26°34'31	18°32	12°20	11°15	26°52	12° 1	18°15	0°36	4°17	15° 2	19°53	18°45	20°27	n.a.	W25
T 26	11 43 4	27°32'37	3♍29	14° 7	12° 5	27°27	12° 3	18°16	0°39	4°16	15° 3	19°48	18°41	20°34	n.a.	T 26
F 27	11 47 0	28°30'42	18°42	15°50	12°55	28° 2	12° 6	18°17	0°42	4°14	15° 4	19°40	18°38	20°40	n.a.	F 27
S 28	11 50 57	29°28'45	4♎ 1	17°29	13°43	28°37	12° 8	18°18	0°45	4°13	15° 6	19°31	18°35	20°47	n.a.	S 28
S 29	11 54 53	0♈26'46	19°16	19° 5	14°31	29°12	12° 9	18°19	0°49	4°12	15° 7	19°21	18°32	20°54	n.a.	S 29
M30	11 58 50	1°24'45	4♏14	20°37	15°17	29°47	12°11	18°19	0°52	4°11	15° 8	19°11	18°29	21° 0	n.a.	M30
T 31	12 2 46	2♈22'43	18♏48	22♈ 6	16♉ 3	0♊22	12♐12	18♐20	0♉55	4♏ 9	15♒ 9	19♋ 3	18♋26	21♓ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s29	0n20	5n 4	15s36	1s57	9n25	2n16	17n19	1n23	21s56	0n22	22s22	0n48	11n 7	0s22	11s27	1n55	30s39	14s40	22n 3	22n16	8s54		n.a.
M 2	10 8	5s14	5 9	14 53	1 53	9 53	2 21	17 30	1 23	21 57	0 22	22 22	0 48	11 8	0 22	11 26	1 55	30 39	14 40	22 3	22 16	8 52		n.a.
T 3	9 46	10 21	4 53	14 9	1 48	10 21	2 26	17 40	1 23	21 58	0 21	22 23	0 48	11 9	0 22	11 26	1 55	30 39	14 40	22 4	22 16	8 49		n.a.
W 4	9 24	14 47	4 21	13 22	1 43	10 49	2 31	17 50	1 23	21 59	0 21	22 23	0 48	11 10	0 22	11 26	1 55	30 38	14 40	22 5	22 17	8 47		n.a.
T 5	9 2	18 18	3 35	12 34	1 37	11 17	2 35	18 1	1 23	22 0	0 21	22 23	0 48	11 11	0 22	11 25	1 55	30 38	14 40	22 5	22 17	8 45		n.a.
F 6	8 40	20 46	2 39	11 44	1 31	11 44	2 40	18 11	1 23	22 1	0 21	22 24	0 48	11 12	0 22	11 25	1 55	30 38	14 40	22 5	22 18	8 43		n.a.
S 7	8 17	22 8	1 37	10 53	1 24	12 11	2 45	18 21	1 24	22 2	0 21	22 24	0 48	11 12	0 22	11 25	1 55	30 37	14 41	22 4	22 18	8 40		n.a.
S 8	7 55	22 21	0 31	10 0	1 17	12 38	2 49	18 31	1 24	22 3	0 21	22 24	0 48	11 13	0 22	11 25	1 55	30 37	14 41	22 4	22 19	8 38		n.a.
M 9	7 33	21 29	0s35	9 5	1 9	13 4	2 54	18 41	1 24	22 3	0 21	22 24	0 48	11 14	0 22	11 24	1 55	30 37	14 41	22 4	22 19	8 36		n.a.
T 10	7 10	19 38	1 38	8 9	1 0	13 30	2 59	18 50	1 24	22 4	0 21	22 25	0 48	11 15	0 22	11 24	1 55	30 37	14 41	22 5	22 20	8 34		n.a.
W11	6 47	16 56	2 36	7 12	0 51	13 56	3 3	19 0	1 24	22 5	0 21	22 25	0 48	11 16	0 22	11 24	1 56	30 36	14 41	22 5	22 20	8 31		n.a.
T 12	6 24	13 33	3 27	6 14	0 42	14 21	3 8	19 10	1 24	22 6	0 21	22 25	0 48	11 17	0 22	11 23	1 56	30 36	14 41	22 6	22 21	8 29		n.a.
F 13	6 2	9 39	4 9	5 15	0 32	14 46	3 12	19 19	1 24	22 6	0 21	22 25	0 48	11 18	0 22	11 23	1 56	30 36	14 42	22 8	22 21	8 27		n.a.
S 14	5 39	5 23	4 40	4 16	0 22	15 11	3 16	19 29	1 24	22 7	0 21	22 25	0 48	11 19	0 22	11 23	1 56	30 35	14 42	22 9	22 22	8 25		n.a.
S 15	5 16	0 54	4 58	3 16	0 12	15 35	3 21	19 38	1 24	22 8	0 21	22 26	0 48	11 20	0 22	11 22	1 56	30 35	14 42	22 11	22 22	8 22		n.a.
M16	4 52	3n37	5 4	2 15	0 1	15 59	3 25	19 47	1 24	22 8	0 21	22 26	0 48	11 21	0 22	11 22	1 56	30 35	14 42	22 12	22 22	8 20		n.a.
T 17	4 29	8 3	4 57	1 14	0n10	16 22	3 29	19 56	1 24	22 9	0 21	22 26	0 48	11 22	0 22	11 22	1 56	30 35	14 42	22 14	22 23	8 18		n.a.
W18	4 6	12 13	4 36	0 14	0 21	16 45	3 33	20 6	1 24	22 10	0 21	22 26	0 48	11 23	0 21	11 21	1 56	30 35	14 43	22 15	22 23	8 16		n.a.
T 19	3 43	15 57	4 2	0n46	0 32	17 7	3 37	20 14	1 24	22 10	0 20	22 26	0 48	11 24	0 21	11 21	1 56	30 34	14 43	22 16	22 24	8 13		n.a.
F 20	3 20	19 3	3 16	1 46	0 43	17 29	3 41	20 23	1 24	22 11	0 20	22 26	0 48	11 25	0 21	11 20	1 56	30 34	14 43	22 16	22 24	8 11		n.a.
S 21	2 56	21 16	2 19	2 44	0 55	17 51	3 45	20 32	1 24	22 11	0 20	22 27	0 48	11 26	0 21	11 20	1 56	30 34	14 43	22 16	22 25	8 9		n.a.
S 22	2 33	22 25	1 13	3 42	1 5	18 12	3 49	20 41	1 24	22 12	0 20	22 27	0 48	11 27	0 21	11 20	1 56	30 34	14 44	22 16	22 25	8 6		n.a.
M23	2 10	22 16	0 1	4 38	1 16	18 33	3 53	20 49	1 25	22 12	0 20	22 27	0 48	11 28	0 21	11 19	1 56	30 34	14 44	22 16	22 26	8 4		n.a.
T 24	1 46	20 44	1n14	5 32	1 27	18 53	3 57	20 58	1 25	22 13	0 20	22 27	0 48	11 30	0 21	11 19	1 56	30 33	14 44	22 16	22 26	8 2		n.a.
W25	1 23	17 47	2 26	6 25	1 37	19 13	4 0	21 6	1 25	22 13	0 20	22 27	0 48	11 31	0 21	11 18	1 56	30 33	14 44	22 17	22 27	7 59		n.a.
T 26	0 59	13 37	3 30	7 16	1 46	19 32	4 4	21 14	1 25	22 13	0 20	22 27	0 48	11 32	0 21	11 18	1 56	30 33	14 44	22 17	22 27	7 57		n.a.
F 27	0 36	8 30	4 20	8 5	1 55	19 51	4 7	21 22	1 25	22 14	0 20	22 27	0 48	11 33	0 21	11 17	1 56	30 33	14 45	22 19	22 27	7 55		n.a.
S 28	0 13	2 49	4 51	8 51	2 3	20 9	4 10	21 30	1 25	22 14	0 20	22 27	0 48	11 34	0 21	11 17	1 56	30 33	14 45	22 20	22 28	7 53		n.a.
S 29	0n11	2s59	5 2	9 36	2 11	20 26	4 13	21 38	1 25	22 14	0 20	22 27	0 48	11 35	0 21	11 16	1 56	30 33	14 45	22 21	22 28	7 50		n.a.
M30	0 34	8 32	4 52	10 18	2 18	20 43	4 16	21 46	1 25	22 15	0 20	22 27	0 48	11 36	0 21	11 16	1 56	30 32	14 46	22 23	22 29	7 48		n.a.
T 31	0n58	13s27	4n23	10n57	2n25	21n 0	4n19	21n53	1n25	22s15	0n20	22s27	0n48	11n37	0s21	11s16	1n56	30s32	14s46	22n24	22n29	7s46		n.a.

Julian Day Number = 1479686.5, Delta T = 05h23m48s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'51, Lahiri = -13°05'50 Julian Calendar 1 March 662 BCE == Greg. Calendar 22 Feb. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

APRIL 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 6 43	3♈20'39	2♐53	23♈30	16♉48	0♊57	12♐14	18♐20	0♉58	4°R 8	15♒10	18°R58	18♋22	21♓14	n.a.	W 1
T 2	12 10 40	4°18'35	16°28	24°50	17°32	1°32	12°15	18°21	1° 1	4♏ 7	15°11	18♋55	18°19	21°20	n.a.	T 2
F 3	12 14 36	5°16'28	29°35	26° 5	18°15	2° 7	12°16	18°21	1° 4	4° 5	15°12	18°54	18°16	21°27	n.a.	F 3
S 4	12 18 33	6°14'21	12♑17	27°17	18°57	2°42	12°16	18°21	1° 8	4° 4	15°13	18°54	18°13	21°34	n.a.	S 4
S 5	12 22 29	7°12'11	24°39	28°24	19°38	3°17	12°17	18°R21	1°11	4° 3	15°14	18°54	18°10	21°41	n.a.	S 5
M 6	12 26 26	8°10'01	6♒47	29°27	20°18	3°53	12°17	18°21	1°14	4° 1	15°16	18°52	18° 7	21°47	n.a.	M 6
T 7	12 30 22	9° 7'49	18°44	0♉25	20°57	4°28	12°R17	18°21	1°18	4° 0	15°17	18°49	18° 3	21°54	n.a.	T 7
W 8	12 34 19	10° 5'36	0♓36	1°18	21°35	5° 3	12°17	18°21	1°21	3°58	15°18	18°43	18° 0	22° 1	n.a.	W 8
T 9	12 38 15	11° 3'21	12°26	2° 8	22°11	5°39	12°17	18°20	1°24	3°57	15°19	18°35	17°57	22° 7	n.a.	T 9
F 10	12 42 12	12° 1'05	24°16	2°52	22°46	6°14	12°16	18°20	1°28	3°56	15°20	18°23	17°54	22°14	n.a.	F 10
S 11	12 46 9	12°58'48	6♈ 9	3°32	23°20	6°50	12°16	18°19	1°31	3°54	15°20	18°10	17°51	22°21	n.a.	S 11
S 12	12 50 5	13°56'29	18° 6	4° 7	23°53	7°25	12°15	18°19	1°34	3°53	15°21	17°56	17°47	22°28	n.a.	S 12
M13	12 54 2	14°54'08	0♉ 9	4°37	24°24	8° 1	12°14	18°18	1°38	3°51	15°22	17°43	17°44	22°34	n.a.	M13
T 14	12 57 58	15°51'46	12°18	5° 2	24°54	8°36	12°13	18°17	1°41	3°50	15°23	17°30	17°41	22°41	n.a.	T 14
W15	13 1 55	16°49'23	24°36	5°22	25°22	9°12	12°11	18°16	1°45	3°48	15°24	17°20	17°38	22°48	n.a.	W15
T 16	13 5 51	17°46'58	7♊ 4	5°38	25°48	9°47	12°10	18°15	1°48	3°46	15°25	17°13	17°35	22°54	n.a.	T 16
F 17	13 9 48	18°44'32	19°43	5°49	26°13	10°23	12° 8	18°14	1°51	3°45	15°26	17° 9	17°32	23° 1	n.a.	F 17
S 18	13 13 44	19°42'04	2♋38	5°54	26°37	10°59	12° 6	18°13	1°55	3°43	15°27	17° 7	17°28	23° 8	n.a.	S 18
S 19	13 17 41	20°39'35	15°50	5°R55	26°58	11°34	12° 4	18°12	1°58	3°42	15°27	17° 7	17°25	23°15	n.a.	S 19
M20	13 21 38	21°37'04	29°24	5°52	27°18	12°10	12° 2	18°10	2° 2	3°40	15°28	17° 7	17°22	23°21	n.a.	M20
T 21	13 25 34	22°34'32	13♌21	5°44	27°36	12°46	11°59	18° 9	2° 5	3°39	15°29	17° 6	17°19	23°28	n.a.	T 21
W22	13 29 31	23°31'58	27°41	5°31	27°51	13°22	11°56	18° 7	2° 9	3°37	15°30	17° 3	17°16	23°35	n.a.	W22
T 23	13 33 27	24°29'22	12♍23	5°15	28° 5	13°58	11°53	18° 6	2°12	3°36	15°30	16°57	17°12	23°41	n.a.	T 23
F 24	13 37 24	25°26'45	27°22	4°55	28°17	14°34	11°50	18° 4	2°16	3°34	15°31	16°49	17° 9	23°48	n.a.	F 24
S 25	13 41 20	26°24'07	12♎30	4°31	28°27	15° 9	11°47	18° 2	2°19	3°32	15°32	16°39	17° 6	23°55	n.a.	S 25
S 26	13 45 17	27°21'28	27°36	4° 5	28°34	15°45	11°44	18° 0	2°23	3°31	15°32	16°29	17° 3	24° 2	n.a.	S 26
M27	13 49 13	28°18'48	12♏31	3°36	28°39	16°21	11°40	17°58	2°26	3°29	15°33	16°18	17° 0	24° 8	n.a.	M27
T 28	13 53 10	29°16'07	27° 6	3° 5	28°42	16°57	11°37	17°56	2°30	3°28	15°34	16°10	16°57	24°15	n.a.	T 28
W29	13 57 7	0♉13'25	11♐14	2°32	28°R43	17°33	11°33	17°54	2°33	3°26	15°34	16° 4	16°53	24°22	n.a.	W29
T 30	14 1 3	1♉10'42	24♐54	1♉59	28♉41	18♊ 9	11♐29	17♐52	2♉37	3♏24	15♒35	16♋ 0	16♋50	24♓28	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n21	17s27	3n38	11n34	2n30	21n16	4n22	22n 1	1n25	22s15	0n20	22s27	0n48	11n38	0s21	11s15	1n56	30s32	14s46	22n25	22n30	7s43		n.a.
T 2	1 44	20 22	2 43	12 9	2 35	21 31	4 24	22 8	1 25	22 15	0 19	22 27	0 48	11 40	0 21	11 15	1 56	30 32	14 46	22 25	22 30	7 41		n.a.
F 3	2 7	22 6	1 41	12 41	2 39	21 46	4 27	22 15	1 25	22 16	0 19	22 28	0 48	11 41	0 21	11 14	1 56	30 32	14 47	22 25	22 31	7 39		n.a.
S 4	2 31	22 37	0 35	13 10	2 42	22 0	4 29	22 22	1 25	22 16	0 19	22 28	0 48	11 42	0 21	11 14	1 56	30 32	14 47	22 25	22 31	7 36		n.a.
S 5	2 54	22 0	0s31	13 37	2 45	22 14	4 31	22 29	1 25	22 16	0 19	22 28	0 48	11 43	0 21	11 13	1 57	30 32	14 47	22 25	22 31	7 34		n.a.
M 6	3 17	20 20	1 33	14 1	2 46	22 27	4 33	22 36	1 25	22 16	0 19	22 28	0 48	11 44	0 21	11 13	1 57	30 32	14 47	22 25	22 32	7 32		n.a.
T 7	3 40	17 48	2 31	14 22	2 46	22 39	4 35	22 43	1 25	22 16	0 19	22 28	0 48	11 45	0 21	11 12	1 57	30 32	14 48	22 26	22 32	7 29		n.a.
W 8	4 3	14 33	3 21	14 41	2 46	22 51	4 36	22 49	1 25	22 16	0 19	22 28	0 48	11 47	0 21	11 12	1 57	30 32	14 48	22 27	22 33	7 27		n.a.
T 9	4 26	10 43	4 3	14 57	2 44	23 2	4 37	22 56	1 24	22 16	0 19	22 27	0 48	11 48	0 21	11 11	1 57	30 32	14 48	22 28	22 33	7 25		n.a.
F 10	4 49	6 29	4 34	15 10	2 42	23 12	4 38	23 2	1 24	22 16	0 19	22 27	0 48	11 49	0 21	11 11	1 57	30 32	14 49	22 29	22 34	7 22		n.a.
S 11	5 12	2 0	4 53	15 20	2 38	23 22	4 39	23 8	1 24	22 16	0 19	22 27	0 48	11 50	0 21	11 10	1 57	30 32	14 49	22 31	22 34	7 20		n.a.
S 12	5 34	2n35	5 0	15 28	2 34	23 31	4 40	23 14	1 24	22 16	0 19	22 27	0 48	11 51	0 21	11 10	1 57	30 32	14 49	22 33	22 34	7 18		n.a.
M13	5 57	7 7	4 53	15 33	2 28	23 39	4 40	23 20	1 24	22 16	0 19	22 27	0 48	11 53	0 21	11 9	1 57	30 32	14 50	22 35	22 35	7 15		n.a.
T 14	6 20	11 25	4 33	15 35	2 21	23 47	4 41	23 26	1 24	22 16	0 18	22 27	0 48	11 54	0 21	11 8	1 57	30 32	14 50	22 37	22 35	7 13		n.a.
W15	6 42	15 19	3 59	15 35	2 13	23 54	4 40	23 32	1 24	22 16	0 18	22 27	0 48	11 55	0 21	11 8	1 57	30 32	14 50	22 38	22 36	7 11		n.a.
T 16	7 4	18 36	3 15	15 32	2 4	24 0	4 40	23 37	1 24	22 16	0 18	22 27	0 48	11 56	0 21	11 7	1 57	30 32	14 51	22 39	22 36	7 8		n.a.
F 17	7 27	21 3	2 19	15 26	1 55	24 6	4 39	23 42	1 24	22 16	0 18	22 27	0 48	11 57	0 21	11 7	1 57	30 32	14 51	22 39	22 36	7 6		n.a.
S 18	7 49	22 29	1 16	15 18	1 44	24 11	4 38	23 47	1 24	22 16	0 18	22 27	0 48	11 59	0 21	11 6	1 57	30 32	14 51	22 40	22 37	7 4		n.a.
S 19	8 11	22 42	0 7	15 7	1 32	24 15	4 37	23 52	1 24	22 15	0 18	22 27	0 48	12 0	0 21	11 6	1 57	30 32	14 52	22 40	22 37	7 1		n.a.
M20	8 32	21 37	1n 4	14 54	1 19	24 18	4 36	23 57	1 24	22 15	0 18	22 27	0 48	12 1	0 21	11 5	1 57	30 32	14 52	22 40	22 38	6 59		n.a.
T 21	8 54	19 11	2 14	14 38	1 5	24 20	4 34	24 2	1 24	22 15	0 18	22 27	0 48	12 2	0 21	11 5	1 57	30 32	14 52	22 40	22 38	6 56		n.a.
W22	9 16	15 31	3 17	14 21	0 51	24 21	4 31	24 6	1 24	22 15	0 18	22 26	0 48	12 4	0 21	11 4	1 57	30 32	14 53	22 40	22 39	6 54		n.a.
T 23	9 37	10 49	4 8	14 1	0 35	24 22	4 29	24 11	1 24	22 14	0 18	22 26	0 48	12 5	0 21	11 4	1 57	30 32	14 53	22 41	22 39	6 52		n.a.
F 24	9 58	5 23	4 44	13 39	0 20	24 22	4 26	24 15	1 24	22 14	0 18	22 26	0 48	12 6	0 21	11 3	1 57	30 32	14 53	22 42	22 39	6 49		n.a.
S 25	10 20	0s25	5 0	13 15	0 3	24 21	4 22	24 19	1 24	22 14	0 17	22 26	0 48	12 7	0 21	11 2	1 57	30 32	14 54	22 43	22 40	6 47		n.a.
S 26	10 41	6 11	4 55	12 51	0s14	24 19	4 18	24 23	1 23	22 13	0 17	22 26	0 48	12 8	0 21	11 2	1 57	30 33	14 54	22 45	22 40	6 45		n.a.
M27	11 1	11 31	4 30	12 25	0 31	24 16	4 14	24 27	1 23	22 13	0 17	22 26	0 48	12 10	0 21	11 1	1 57	30 33	14 54	22 46	22 41	6 42		n.a.
T 28	11 22	16 5	3 48	11 58	0 48	24 12	4 9	24 30	1 23	22 13	0 17	22 26	0 48	12 11	0 21	11 1	1 57	30 33	14 55	22 47	22 41	6 40		n.a.
W29	11 42	19 35	2 53	11 31	1 5	24 7	4 4	24 34	1 23	22 12	0 17	22 25	0 48	12 12	0 21	11 0	1 57	30 33	14 55	22 48	22 41	6 37		n.a.
T 30	12n 3	21s51	1n49	11n 3	1s22	24n 1	3n58	24n37	1n23	22s12	0n17	22s25	0n48	12n13	0s21	11s 0	1n57	30s33	14s55	22n48	22n42	6s35		n.a.

Julian Day Number = 1479717.5, Delta T = 05h23m47s
Ecliptic obliquity = 23°46'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'46, Lahiri = -13°05'46 Julian Calendar 1 Apr. 662 BCE == Greg. Calendar 25 March 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

MAY 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 5 0	2♉ 7'59	8♋ 5	1°R25	28°R37	18♊45	11°R24	17°R50	2♉40	3°R23	15♒35	15°R58	16♋47	24♓35	n.a.	F 1
S 2	14 8 56	3° 5'15	20°51	0♉52	28♉31	19°21	11♐20	17♐47	2°44	3♏21	15°36	15°D58	16°44	24°42	n.a.	S 2
S 3	14 12 53	4° 2'31	3♒16	0°19	28°22	19°58	11°15	17°45	2°47	3°19	15°36	15°R58	16°41	24°49	n.a.	S 3
M 4	14 16 49	4°59'46	15°25	29♈48	28°11	20°34	11°11	17°42	2°51	3°18	15°37	15♋58	16°38	24°55	n.a.	M 4
T 5	14 20 46	5°57'00	27°23	29°19	27°57	21°10	11° 6	17°39	2°54	3°16	15°37	15°56	16°34	25° 2	n.a.	T 5
W 6	14 24 42	6°54'14	9♓15	28°52	27°41	21°46	11° 1	17°37	2°58	3°15	15°38	15°51	16°31	25° 9	n.a.	W 6
T 7	14 28 39	7°51'27	21° 5	28°28	27°23	22°22	10°56	17°34	3° 1	3°13	15°38	15°45	16°28	25°15	n.a.	T 7
F 8	14 32 36	8°48'40	2♈57	28° 7	27° 3	22°59	10°50	17°31	3° 5	3°11	15°39	15°35	16°25	25°22	n.a.	F 8
S 9	14 36 32	9°45'52	14°54	27°50	26°40	23°35	10°45	17°28	3° 8	3°10	15°39	15°24	16°22	25°29	n.a.	S 9
S 10	14 40 29	10°43'04	26°58	27°36	26°15	24°11	10°39	17°25	3°12	3° 8	15°39	15°13	16°18	25°36	n.a.	S 10
M11	14 44 25	11°40'15	9♉11	27°27	25°48	24°48	10°34	17°22	3°15	3° 7	15°40	15° 1	16°15	25°42	n.a.	M11
T 12	14 48 22	12°37'26	21°33	27°22	25°19	25°24	10°28	17°19	3°19	3° 5	15°40	14°51	16°12	25°49	n.a.	T 12
W13	14 52 18	13°34'36	4♊ 4	27°D21	24°49	26° 0	10°22	17°15	3°22	3° 3	15°40	14°43	16° 9	25°56	n.a.	W13
T 14	14 56 15	14°31'45	16°47	27°25	24°17	26°37	10°16	17°12	3°26	3° 2	15°40	14°37	16° 6	26° 2	n.a.	T 14
F 15	15 0 11	15°28'55	29°41	27°34	23°43	27°13	10° 9	17° 9	3°29	3° 0	15°41	14°34	16° 3	26° 9	n.a.	F 15
S 16	15 4 8	16°26'03	12♋48	27°47	23° 9	27°50	10° 3	17° 5	3°33	2°59	15°41	14°D33	15°59	26°16	n.a.	S 16
S 17	15 8 5	17°23'11	26° 9	28° 4	22°33	28°26	9°56	17° 2	3°36	2°57	15°41	14°33	15°56	26°23	n.a.	S 17
M18	15 12 1	18°20'18	9♌45	28°27	21°56	29° 3	9°50	16°58	3°40	2°56	15°41	14°34	15°53	26°29	n.a.	M18
T 19	15 15 58	19°17'24	23°38	28°54	21°19	29°40	9°43	16°55	3°43	2°54	15°41	14°R34	15°50	26°36	n.a.	T 19
W20	15 19 54	20°14'30	7♍48	29°25	20°42	0♋16	9°36	16°51	3°46	2°52	15°41	14°33	15°47	26°43	n.a.	W20
T 21	15 23 51	21°11'35	22°14	0♉ 1	20° 4	0°53	9°30	16°47	3°50	2°51	15°41	14°29	15°44	26°49	n.a.	T 21
F 22	15 27 47	22° 8'40	6♎53	0°41	19°27	1°30	9°23	16°44	3°53	2°49	15°41	14°24	15°40	26°56	n.a.	F 22
S 23	15 31 44	23° 5'44	21°38	1°26	18°49	2° 6	9°16	16°40	3°57	2°48	15°41	14°17	15°37	27° 3	n.a.	S 23
S 24	15 35 40	24° 2'48	6♏23	2°15	18°13	2°43	9° 8	16°36	4° 0	2°46	15°R42	14° 9	15°34	27°10	n.a.	S 24
M25	15 39 37	24°59'52	21° 0	3° 8	17°37	3°20	9° 1	16°32	4° 3	2°45	15°41	14° 2	15°31	27°16	n.a.	M25
T 26	15 43 34	25°56'56	5♐21	4° 5	17° 3	3°57	8°54	16°28	4° 7	2°44	15°41	13°56	15°28	27°23	n.a.	T 26
W27	15 47 30	26°54'00	19°21	5° 7	16°30	4°33	8°47	16°24	4°10	2°42	15°41	13°52	15°24	27°30	n.a.	W27
T 28	15 51 27	27°51'04	2♑58	6°13	15°58	5°10	8°39	16°20	4°13	2°41	15°41	13°49	15°21	27°36	n.a.	T 28
F 29	15 55 23	28°48'08	16° 9	7°22	15°28	5°47	8°32	16°16	4°16	2°39	15°41	13°D49	15°18	27°43	n.a.	F 29
S 30	15 59 20	29°45'12	28°57	8°36	14°59	6°24	8°24	16°12	4°20	2°38	15°41	13°50	15°15	27°50	n.a.	S 30
S 31	16 3 16	0♊42'17	11♒24	9♉53	14♉33	7♋ 1	8♐17	16♐ 8	4♉23	2♏36	15♒41	13♋51	15♋12	27♓57	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n23	22s50	0n42	10n36	1s38	23n54	3n52	24n40	1n23	22s11	0n17	22s25	0n48	12n15	0s21	10s59	1n57	30s33	14s56	22n48	22n42	6s33		n.a.
S 2	12 43	22 33	0s26	10 9	1 54	23 46	3 46	24 43	1 23	22 11	0 17	22 25	0 48	12 16	0 21	10 59	1 57	30 33	14 56	22 48	22 43	6 30		n.a.
S 3	13 3	21 10	1 31	9 43	2 10	23 37	3 38	24 46	1 23	22 10	0 17	22 25	0 48	12 17	0 21	10 58	1 57	30 34	14 56	22 48	22 43	6 28		n.a.
M 4	13 22	18 49	2 30	9 19	2 24	23 27	3 31	24 48	1 23	22 10	0 16	22 24	0 48	12 18	0 21	10 57	1 57	30 34	14 57	22 48	22 43	6 25		n.a.
T 5	13 41	15 41	3 21	8 55	2 38	23 16	3 22	24 51	1 23	22 9	0 16	22 24	0 48	12 19	0 21	10 57	1 57	30 34	14 57	22 49	22 44	6 23		n.a.
W 6	14 1	11 58	4 3	8 34	2 51	23 4	3 14	24 53	1 22	22 8	0 16	22 24	0 48	12 21	0 21	10 56	1 57	30 34	14 58	22 49	22 44	6 21		n.a.
T 7	14 19	7 47	4 35	8 15	3 2	22 50	3 5	24 55	1 22	22 8	0 16	22 24	0 48	12 22	0 21	10 56	1 57	30 34	14 58	22 50	22 45	6 18		n.a.
F 8	14 38	3 19	4 55	7 57	3 13	22 36	2 55	24 57	1 22	22 7	0 16	22 23	0 47	12 23	0 21	10 55	1 57	30 35	14 58	22 51	22 45	6 16		n.a.
S 9	14 57	1n19	5 2	7 42	3 22	22 21	2 45	24 59	1 22	22 7	0 16	22 23	0 47	12 24	0 21	10 55	1 57	30 35	14 59	22 52	22 45	6 13		n.a.
S 10	15 15	5 56	4 56	7 30	3 30	22 4	2 34	25 1	1 22	22 6	0 16	22 23	0 47	12 26	0 21	10 54	1 57	30 35	14 59	22 54	22 46	6 11		n.a.
M11	15 33	10 23	4 36	7 20	3 37	21 47	2 23	25 2	1 22	22 5	0 16	22 23	0 47	12 27	0 21	10 54	1 57	30 35	14 59	22 55	22 46	6 8		n.a.
T 12	15 51	14 29	4 3	7 13	3 43	21 29	2 11	25 3	1 22	22 4	0 15	22 22	0 47	12 28	0 21	10 53	1 57	30 36	15 0	22 56	22 47	6 6		n.a.
W13	16 8	18 1	3 18	7 9	3 47	21 10	1 59	25 4	1 22	22 4	0 15	22 22	0 47	12 29	0 21	10 53	1 57	30 36	15 0	22 57	22 47	6 4		n.a.
T 14	16 25	20 45	2 23	7 7	3 50	20 49	1 47	25 5	1 21	22 3	0 15	22 22	0 47	12 30	0 21	10 52	1 57	30 36	15 0	22 58	22 47	6 1		n.a.
F 15	16 42	22 28	1 19	7 8	3 53	20 29	1 34	25 6	1 21	22 2	0 15	22 22	0 47	12 32	0 21	10 52	1 57	30 36	15 1	22 58	22 48	5 59		n.a.
S 16	16 59	23 0	0 9	7 12	3 54	20 7	1 21	25 7	1 21	22 1	0 15	22 21	0 47	12 33	0 21	10 51	1 57	30 37	15 1	22 58	22 48	5 56		n.a.
S 17	17 15	22 14	1n 2	7 18	3 53	19 45	1 7	25 7	1 21	22 0	0 15	22 21	0 47	12 34	0 21	10 51	1 57	30 37	15 2	22 58	22 48	5 54		n.a.
M18	17 32	20 9	2 11	7 27	3 52	19 22	0 54	25 7	1 21	22 0	0 15	22 21	0 47	12 35	0 21	10 50	1 57	30 37	15 2	22 58	22 49	5 51		n.a.
T 19	17 48	16 52	3 14	7 39	3 50	18 59	0 40	25 7	1 21	21 59	0 15	22 20	0 47	12 36	0 21	10 50	1 57	30 38	15 2	22 58	22 49	5 49		n.a.
W20	18 3	12 33	4 6	7 53	3 47	18 35	0 26	25 7	1 21	21 58	0 14	22 20	0 47	12 38	0 21	10 49	1 57	30 38	15 3	22 58	22 50	5 47		n.a.
T 21	18 19	7 27	4 44	8 10	3 43	18 12	0 12	25 7	1 21	21 57	0 14	22 20	0 47	12 39	0 21	10 49	1 57	30 38	15 3	22 58	22 50	5 44		n.a.
F 22	18 34	1 52	5 4	8 28	3 38	17 48	0s 2	25 6	1 20	21 56	0 14	22 19	0 47	12 40	0 21	10 48	1 57	30 39	15 3	22 59	22 50	5 42		n.a.
S 23	18 48	3s51	5 4	8 49	3 32	17 24	0 16	25 6	1 20	21 55	0 14	22 19	0 47	12 41	0 21	10 48	1 56	30 39	15 4	23 0	22 51	5 39		n.a.
S 24	19 3	9 22	4 44	9 12	3 26	17 1	0 30	25 5	1 20	21 54	0 14	22 19	0 47	12 42	0 21	10 47	1 56	30 39	15 4	23 1	22 51	5 37		n.a.
M25	19 17	14 19	4 5	9 37	3 19	16 38	0 44	25 4	1 20	21 53	0 14	22 18	0 47	12 43	0 21	10 47	1 56	30 40	15 5	23 1	22 51	5 34		n.a.
T 26	19 31	18 21	3 12	10 4	3 11	16 15	0 57	25 3	1 20	21 52	0 14	22 18	0 47	12 44	0 21	10 46	1 56	30 40	15 5	23 2	22 52	5 32		n.a.
W27	19 44	21 13	2 8	10 33	3 2	15 53	1 10	25 1	1 20	21 51	0 13	22 18	0 47	12 46	0 21	10 46	1 56	30 40	15 5	23 2	22 52	5 29		n.a.
T 28	19 57	22 46	0 58	11 3	2 53	15 31	1 23	25 0	1 19	21 50	0 13	22 17	0 47	12 47	0 21	10 45	1 56	30 41	15 6	23 3	22 53	5 27		n.a.
F 29	20 10	22 59	0s13	11 35	2 44	15 10	1 36	24 58	1 19	21 49	0 13	22 17	0 47	12 48	0 21	10 45	1 56	30 41	15 6	23 3	22 53	5 25		n.a.
S 30	20 23	21 59	1 21	12 9	2 34	14 50	1 48	24 56	1 19	21 48	0 13	22 17	0 46	12 49	0 21	10 44	1 56	30 41	15 6	23 3	22 53	5 22		n.a.
S 31	20n35	19s54	2s24	12n43	2s23	14n31	2s 0	24n54	1n19	21s47	0n13	22s16	0n46	12n50	0s21	10s44	1n56	30s42	15s 7	23n 3	22n54	5s20		n.a.

Julian Day Number = 1479747.5, Delta T = 05h23m45s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'42, Lahiri = -13°05'42 Julian Calendar 1 May 662 BCE == Greg. Calendar 24 Apr. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

JUNE 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 7 13	1♊39'22	23♒36	11♉14	14°R 8	7♋38	8°R 9	16°R 3	4♉26	2°R35	15°R41	13♋52	15♋ 9	28♓ 3	n.a.	M 1
T 2	16 11 10	2°36'27	5♓36	12°39	13♉46	8°15	8♐ 2	15♐59	4°29	2♏34	15♒41	13°R52	15° 5	28°10	n.a.	T 2
W 3	16 15 6	3°33'33	17°29	14° 8	13°26	8°52	7°54	15°55	4°33	2°32	15°40	13°51	15° 2	28°17	n.a.	W 3
T 4	16 19 3	4°30'39	29°21	15°41	13° 9	9°29	7°46	15°51	4°36	2°31	15°40	13°49	14°59	28°23	n.a.	T 4
F 5	16 22 59	5°27'46	11♈16	17°17	12°53	10° 6	7°39	15°46	4°39	2°30	15°40	13°44	14°56	28°30	n.a.	F 5
S 6	16 26 56	6°24'53	23°17	18°56	12°40	10°43	7°31	15°42	4°42	2°29	15°40	13°39	14°53	28°37	n.a.	S 6
S 7	16 30 52	7°22'01	5♉28	20°39	12°30	11°20	7°23	15°38	4°45	2°27	15°39	13°32	14°49	28°44	n.a.	S 7
M 8	16 34 49	8°19'09	17°51	22°25	12°21	11°57	7°15	15°33	4°48	2°26	15°39	13°26	14°46	28°50	n.a.	M 8
T 9	16 38 45	9°16'18	0♊26	24°15	12°16	12°35	7° 8	15°29	4°51	2°25	15°39	13°21	14°43	28°57	n.a.	T 9
W10	16 42 42	10°13'27	13°15	26° 7	12°12	13°12	7° 0	15°25	4°54	2°24	15°38	13°17	14°40	29° 4	n.a.	W10
T 11	16 46 39	11°10'37	26°17	28° 2	12°D11	13°49	6°52	15°20	4°57	2°22	15°38	13°14	14°37	29°10	n.a.	T 11
F 12	16 50 35	12° 7'47	9♋33	29°59	12°12	14°26	6°45	15°16	5° 0	2°21	15°37	13°D13	14°34	29°17	n.a.	F 12
S 13	16 54 32	13° 4'58	23° 1	1♊59	12°16	15° 4	6°37	15°11	5° 3	2°20	15°37	13°13	14°30	29°24	n.a.	S 13
S 14	16 58 28	14° 2'09	6♌40	4° 1	12°22	15°41	6°29	15° 7	5° 6	2°19	15°37	13°14	14°27	29°31	n.a.	S 14
M15	17 2 25	14°59'20	20°30	6° 5	12°29	16°18	6°22	15° 2	5° 9	2°18	15°36	13°16	14°24	29°37	n.a.	M15
T 16	17 6 21	15°56'31	4♍30	8°10	12°39	16°56	6°14	14°58	5°12	2°17	15°36	13°17	14°21	29°44	n.a.	T 16
W17	17 10 18	16°53'43	18°39	10°16	12°51	17°33	6° 7	14°54	5°15	2°16	15°35	13°R17	14°18	29°51	n.a.	W17
T 18	17 14 15	17°50'55	2♎54	12°22	13° 5	18°11	5°59	14°49	5°18	2°15	15°35	13°16	14°15	29°58	n.a.	T 18
F 19	17 18 11	18°48'08	17°15	14°30	13°21	18°48	5°52	14°45	5°20	2°14	15°34	13°15	14°11	0♈ 4	n.a.	F 19
S 20	17 22 8	19°45'21	1♏36	16°37	13°39	19°26	5°45	14°40	5°23	2°13	15°33	13°12	14° 8	0°11	n.a.	S 20
S 21	17 26 4	20°42'35	15°54	18°44	13°59	20° 3	5°38	14°36	5°26	2°12	15°33	13° 9	14° 5	0°18	n.a.	S 21
M22	17 30 1	21°39'49	0♐ 4	20°51	14°21	20°41	5°30	14°32	5°28	2°11	15°32	13° 6	14° 2	0°24	n.a.	M22
T 23	17 33 57	22°37'04	14° 1	22°57	14°44	21°18	5°23	14°27	5°31	2°10	15°31	13° 4	13°59	0°31	n.a.	T 23
W24	17 37 54	23°34'20	27°43	25° 3	15° 9	21°56	5°16	14°23	5°34	2° 9	15°31	13° 2	13°55	0°38	n.a.	W24
T 25	17 41 50	24°31'37	11♑ 5	27° 7	15°35	22°34	5° 9	14°19	5°36	2° 8	15°30	13°D 2	13°52	0°45	n.a.	T 25
F 26	17 45 47	25°28'55	24° 8	29°11	16° 3	23°11	5° 3	14°14	5°39	2° 8	15°29	13° 2	13°49	0°51	n.a.	F 26
S 27	17 49 44	26°26'14	6♒52	1♋13	16°33	23°49	4°56	14°10	5°41	2° 7	15°29	13° 3	13°46	0°58	n.a.	S 27
S 28	17 53 40	27°23'34	19°19	3°14	17° 4	24°27	4°49	14° 6	5°44	2° 6	15°28	13° 4	13°43	1° 5	n.a.	S 28
M29	17 57 37	28°20'55	1♓31	5°14	17°36	25° 5	4°43	14° 2	5°46	2° 5	15°27	13° 5	13°40	1°11	n.a.	M29
T 30	18 1 33	29♊18'18	13♓32	7♋12	18♉10	25♋43	4♐36	13♐57	5♉49	2♏ 5	15♒26	13♋ 6	13♋36	1♈18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n47	16s58	3s19	13n19	2s12	14n13	2s11	24n52	1n19	21s46	0n13	22s16	0n46	12n51	0s21	10s43	1n56	30s42	15s 7	23n 2	22n54	5s17		n.a.
T 2	20 58	13 21	4 4	13 56	2 1	13 56	2 22	24 49	1 19	21 45	0 13	22 16	0 46	12 52	0 21	10 43	1 56	30 43	15 8	23 2	22 54	5 15		n.a.
W 3	21 10	9 16	4 38	14 34	1 49	13 40	2 33	24 47	1 18	21 44	0 12	22 15	0 46	12 53	0 21	10 42	1 56	30 43	15 8	23 3	22 55	5 12		n.a.
T 4	21 20	4 50	5 0	15 13	1 37	13 25	2 43	24 44	1 18	21 43	0 12	22 15	0 46	12 54	0 21	10 42	1 56	30 43	15 8	23 3	22 55	5 10		n.a.
F 5	21 31	0 13	5 10	15 52	1 25	13 11	2 52	24 41	1 18	21 42	0 12	22 14	0 46	12 55	0 21	10 42	1 56	30 44	15 9	23 3	22 55	5 7		n.a.
S 6	21 41	4n27	5 6	16 31	1 13	12 59	3 2	24 38	1 18	21 40	0 12	22 14	0 46	12 57	0 21	10 41	1 56	30 44	15 9	23 4	22 56	5 5		n.a.
S 7	21 51	9 0	4 48	17 11	1 1	12 47	3 10	24 34	1 18	21 39	0 12	22 14	0 46	12 58	0 21	10 41	1 56	30 45	15 9	23 4	22 56	5 2		n.a.
M 8	22 0	13 17	4 16	17 51	0 49	12 37	3 18	24 31	1 17	21 38	0 12	22 13	0 46	12 59	0 21	10 40	1 56	30 45	15 10	23 5	22 57	5 0		n.a.
T 9	22 9	17 4	3 32	18 31	0 36	12 28	3 26	24 27	1 17	21 37	0 11	22 13	0 46	13 0	0 21	10 40	1 56	30 46	15 10	23 6	22 57	4 57		n.a.
W10	22 18	20 7	2 36	19 10	0 24	12 20	3 33	24 23	1 17	21 36	0 11	22 12	0 46	13 1	0 21	10 40	1 56	30 46	15 10	23 6	22 57	4 55		n.a.
T 11	22 26	22 12	1 31	19 48	0 12	12 14	3 40	24 19	1 17	21 35	0 11	22 12	0 46	13 2	0 21	10 39	1 56	30 47	15 11	23 6	22 58	4 52		n.a.
F 12	22 34	23 6	0 20	20 25	0 1	12 8	3 46	24 15	1 17	21 34	0 11	22 12	0 46	13 3	0 21	10 39	1 56	30 47	15 11	23 6	22 58	4 50		n.a.
S 13	22 41	22 39	0n53	21 1	0n11	12 4	3 52	24 10	1 16	21 32	0 11	22 11	0 45	13 4	0 21	10 39	1 56	30 47	15 11	23 6	22 58	4 47		n.a.
S 14	22 48	20 53	2 5	21 36	0 22	12 0	3 57	24 6	1 16	21 31	0 11	22 11	0 45	13 5	0 21	10 38	1 56	30 48	15 12	23 6	22 59	4 45		n.a.
M15	22 55	17 51	3 10	22 9	0 32	11 58	4 2	24 1	1 16	21 30	0 10	22 10	0 45	13 6	0 21	10 38	1 56	30 48	15 12	23 6	22 59	4 42		n.a.
T 16	23 1	13 47	4 5	22 40	0 42	11 57	4 6	23 56	1 16	21 29	0 10	22 10	0 45	13 7	0 21	10 38	1 56	30 49	15 12	23 6	22 59	4 40		n.a.
W17	23 7	8 55	4 45	23 9	0 51	11 56	4 10	23 51	1 16	21 28	0 10	22 10	0 45	13 8	0 21	10 37	1 56	30 49	15 13	23 6	23 0	4 37		n.a.
T 18	23 13	3 32	5 9	23 35	1 0	11 57	4 14	23 46	1 15	21 27	0 10	22 9	0 45	13 9	0 21	10 37	1 55	30 50	15 13	23 6	23 0	4 35		n.a.
F 19	23 18	2s 3	5 13	23 59	1 8	11 59	4 17	23 40	1 15	21 26	0 10	22 9	0 45	13 9	0 21	10 37	1 55	30 50	15 13	23 6	23 0	4 32		n.a.
S 20	23 22	7 32	4 58	24 20	1 15	12 1	4 20	23 35	1 15	21 24	0 10	22 8	0 45	13 10	0 21	10 36	1 55	30 51	15 14	23 7	23 1	4 30		n.a.
S 21	23 27	12 37	4 24	24 39	1 22	12 5	4 23	23 29	1 15	21 23	0 9	22 8	0 45	13 11	0 21	10 36	1 55	30 51	15 14	23 7	23 1	4 27		n.a.
M22	23 30	16 57	3 35	24 55	1 28	12 9	4 25	23 23	1 14	21 22	0 9	22 7	0 45	13 12	0 21	10 36	1 55	30 52	15 14	23 7	23 1	4 25		n.a.
T 23	23 34	20 16	2 33	25 8	1 33	12 14	4 27	23 17	1 14	21 21	0 9	22 7	0 44	13 13	0 21	10 36	1 55	30 52	15 15	23 7	23 2	4 22		n.a.
W24	23 37	22 22	1 23	25 18	1 38	12 20	4 29	23 11	1 14	21 20	0 9	22 7	0 44	13 14	0 21	10 35	1 55	30 53	15 15	23 8	23 2	4 20		n.a.
T 25	23 40	23 8	0 11	25 26	1 41	12 26	4 30	23 4	1 14	21 19	0 9	22 6	0 44	13 15	0 21	10 35	1 55	30 53	15 15	23 8	23 2	4 17		n.a.
F 26	23 42	22 35	1s 1	25 31	1 44	12 33	4 31	22 57	1 13	21 18	0 9	22 6	0 44	13 16	0 21	10 35	1 55	30 54	15 16	23 8	23 3	4 15		n.a.
S 27	23 44	20 52	2 8	25 33	1 47	12 41	4 32	22 51	1 13	21 17	0 8	22 5	0 44	13 17	0 21	10 35	1 55	30 54	15 16	23 7	23 3	4 12		n.a.
S 28	23 45	18 12	3 7	25 32	1 48	12 49	4 32	22 44	1 13	21 16	0 8	22 5	0 44	13 17	0 21	10 35	1 55	30 55	15 16	23 7	23 3	4 10		n.a.
M29	23 46	14 46	3 57	25 29	1 49	12 58	4 33	22 36	1 13	21 15	0 8	22 5	0 44	13 18	0 21	10 34	1 55	30 55	15 16	23 7	23 4	4 7		n.a.
T 30	23n46	10s47	4s35	25n24	1n50	13n 7	4s33	22n29	1n13	21s14	0n 8	22s 4	0n44	13n19	0s21	10s34	1n55	30s56	15s17	23n 7	23n 4	4s 5		n.a.

Julian Day Number = 1479778.5, Delta T = 05h23m44s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'38, Lahiri = -13°05'38 Julian Calendar 1 June 662 BCE == Greg. Calendar 25 May 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

JULY 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 5 30	0♋15'42	25♓27	9♋ 9	18♉45	26♋20	4°R30	13°R53	5♉51	2°R 4	15°R26	13°R 7	13♋33	1♈25	n.a.	W 1
T 2	18 9 26	1°13'07	7♈20	11° 4	19°22	26°58	4♐24	13♐49	5°53	2♏ 3	15♒25	13♋ 7	13°30	1°32	n.a.	T 2
F 3	18 13 23	2°10'34	19°16	12°57	19°59	27°36	4°18	13°45	5°56	2° 3	15°24	13° 6	13°27	1°38	n.a.	F 3
S 4	18 17 19	3° 8'02	1♉20	14°50	20°38	28°14	4°12	13°41	5°58	2° 2	15°23	13° 5	13°24	1°45	n.a.	S 4
S 5	18 21 16	4° 5'32	13°34	16°40	21°17	28°52	4° 6	13°37	6° 0	2° 2	15°22	13° 4	13°21	1°52	n.a.	S 5
M 6	18 25 13	5° 3'03	26° 3	18°29	21°58	29°30	4° 1	13°33	6° 2	2° 1	15°21	13° 3	13°17	1°59	n.a.	M 6
T 7	18 29 9	6° 0'36	8♊49	20°17	22°40	0♌ 8	3°55	13°29	6° 5	2° 1	15°21	13° 2	13°14	2° 5	n.a.	T 7
W 8	18 33 6	6°58'10	21°53	22° 3	23°23	0°47	3°50	13°25	6° 7	2° 0	15°20	13° 2	13°11	2°12	n.a.	W 8
T 9	18 37 2	7°55'45	5♋15	23°47	24° 7	1°25	3°44	13°21	6° 9	2° 0	15°19	13° 1	13° 8	2°19	n.a.	T 9
F 10	18 40 59	8°53'22	18°54	25°30	24°52	2° 3	3°39	13°17	6°11	1°59	15°18	13°D 1	13° 5	2°25	n.a.	F 10
S 11	18 44 55	9°51'00	2♌48	27°12	25°37	2°41	3°35	13°14	6°13	1°59	15°17	13° 1	13° 1	2°32	n.a.	S 11
S 12	18 48 52	10°48'40	16°53	28°52	26°24	3°19	3°30	13°10	6°15	1°59	15°16	13° 2	12°58	2°39	n.a.	S 12
M13	18 52 48	11°46'20	1♍ 7	0♌30	27°11	3°58	3°25	13° 6	6°17	1°58	15°15	13° 2	12°55	2°46	n.a.	M13
T 14	18 56 45	12°44'02	15°24	2° 7	27°59	4°36	3°21	13° 3	6°19	1°58	15°14	13°R 2	12°52	2°52	n.a.	T 14
W15	19 0 42	13°41'45	29°42	3°43	28°48	5°14	3°16	12°59	6°20	1°58	15°13	13° 2	12°49	2°59	n.a.	W15
T 16	19 4 38	14°39'29	13♎58	5°17	29°37	5°53	3°12	12°56	6°22	1°57	15°12	13°D 2	12°46	3° 6	n.a.	T 16
F 17	19 8 35	15°37'15	28° 8	6°49	0♊28	6°31	3° 8	12°53	6°24	1°57	15°11	13° 2	12°42	3°12	n.a.	F 17
S 18	19 12 31	16°35'01	12♏11	8°20	1°18	7°10	3° 5	12°49	6°25	1°57	15°10	13° 2	12°39	3°19	n.a.	S 18
S 19	19 16 28	17°32'49	26° 5	9°50	2°10	7°48	3° 1	12°46	6°27	1°57	15° 9	13° 2	12°36	3°26	n.a.	S 19
M20	19 20 24	18°30'39	9♐47	11°18	3° 2	8°27	2°58	12°43	6°29	1°57	15° 8	13° 3	12°33	3°33	n.a.	M20
T 21	19 24 21	19°28'30	23°18	12°45	3°55	9° 5	2°54	12°40	6°30	1°57	15° 7	13° 3	12°30	3°39	n.a.	T 21
W22	19 28 17	20°26'22	6♑35	14°10	4°49	9°44	2°51	12°37	6°32	1°D57	15° 6	13°R 4	12°27	3°46	n.a.	W22
T 23	19 32 14	21°24'16	19°37	15°34	5°43	10°22	2°48	12°34	6°33	1°57	15° 4	13° 4	12°23	3°53	n.a.	T 23
F 24	19 36 11	22°22'12	2♒26	16°56	6°37	11° 1	2°46	12°31	6°35	1°57	15° 3	13° 3	12°20	4° 0	n.a.	F 24
S 25	19 40 7	23°20'09	15° 0	18°16	7°32	11°40	2°43	12°28	6°36	1°57	15° 2	13° 2	12°17	4° 6	n.a.	S 25
S 26	19 44 4	24°18'09	27°20	19°35	8°28	12°18	2°41	12°25	6°37	1°57	15° 1	13° 1	12°14	4°13	n.a.	S 26
M27	19 48 0	25°16'10	9♓29	20°52	9°24	12°57	2°39	12°23	6°39	1°57	15° 0	12°59	12°11	4°20	n.a.	M27
T 28	19 51 57	26°14'13	21°30	22° 7	10°21	13°36	2°37	12°20	6°40	1°57	14°59	12°57	12° 7	4°26	n.a.	T 28
W29	19 55 53	27°12'18	3♈24	23°21	11°18	14°15	2°35	12°18	6°41	1°58	14°58	12°56	12° 4	4°33	n.a.	W29
T 30	19 59 50	28°10'25	15°17	24°32	12°16	14°54	2°33	12°15	6°42	1°58	14°56	12°55	12° 1	4°40	n.a.	T 30
F 31	20 3 46	29♋ 8'34	27♈12	25♌42	13♊14	15♌33	2♐32	12♐13	6♉43	1♏58	14♒55	12°D54	11♋58	4♈47	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n46	6s26	5s 1	25n16	1n49	13n17	4s32	22n22	1n12	21s13	0n 8	22s 4	0n44	13n20	0s21	10s34	1n55	30s56	15s17	23n 7	23n 4	4s 2			n.a.
T 2	23 46	1 51	5 15	25 7	1 49	13 27	4 32	22 14	1 12	21 12	0 8	22 3	0 44	13 21	0 21	10 34	1 55	30 57	15 17	23 7	23 5	3 59			n.a.
F 3	23 45	2n48	5 14	24 55	1 47	13 38	4 31	22 6	1 12	21 11	0 7	22 3	0 43	13 21	0 21	10 34	1 55	30 57	15 18	23 7	23 5	3 57			n.a.
S 4	23 44	7 24	5 0	24 41	1 45	13 49	4 30	21 58	1 11	21 10	0 7	22 3	0 43	13 22	0 21	10 33	1 55	30 58	15 18	23 7	23 5	3 54			n.a.
S 5	23 43	11 48	4 33	24 25	1 43	14 0	4 29	21 50	1 11	21 9	0 7	22 2	0 43	13 23	0 21	10 33	1 54	30 59	15 18	23 7	23 6	3 52			n.a.
M 6	23 41	15 47	3 52	24 7	1 40	14 12	4 28	21 42	1 11	21 8	0 7	22 2	0 43	13 24	0 21	10 33	1 54	30 59	15 18	23 7	23 6	3 49			n.a.
T 7	23 38	19 9	2 58	23 48	1 36	14 24	4 27	21 33	1 11	21 7	0 7	22 2	0 43	13 24	0 21	10 33	1 54	31 0	15 19	23 8	23 6	3 47			n.a.
W 8	23 35	21 37	1 54	23 27	1 32	14 36	4 25	21 25	1 10	21 6	0 7	22 1	0 43	13 25	0 21	10 33	1 54	31 0	15 19	23 8	23 7	3 44			n.a.
T 9	23 32	22 57	0 43	23 5	1 28	14 49	4 23	21 16	1 10	21 5	0 6	22 1	0 43	13 26	0 21	10 33	1 54	31 1	15 19	23 8	23 7	3 42			n.a.
F 10	23 28	22 57	0n33	22 42	1 23	15 2	4 21	21 7	1 10	21 5	0 6	22 0	0 43	13 26	0 21	10 33	1 54	31 1	15 19	23 8	23 7	3 39			n.a.
S 11	23 24	21 33	1 47	22 17	1 18	15 14	4 19	20 58	1 10	21 4	0 6	22 0	0 42	13 27	0 21	10 33	1 54	31 2	15 20	23 8	23 8	3 37			n.a.
S 12	23 20	18 48	2 57	21 51	1 13	15 27	4 17	20 49	1 9	21 3	0 6	22 0	0 42	13 28	0 21	10 33	1 54	31 2	15 20	23 8	23 8	3 34			n.a.
M13	23 15	14 54	3 56	21 25	1 7	15 41	4 14	20 39	1 9	21 2	0 6	21 59	0 42	13 28	0 21	10 33	1 54	31 3	15 20	23 8	23 8	3 31			n.a.
T 14	23 9	10 8	4 41	20 57	1 1	15 54	4 12	20 30	1 9	21 2	0 6	21 59	0 42	13 29	0 21	10 33	1 54	31 3	15 20	23 8	23 9	3 29			n.a.
W15	23 4	4 49	5 8	20 28	0 54	16 7	4 9	20 20	1 9	21 1	0 5	21 59	0 42	13 29	0 21	10 33	1 54	31 4	15 20	23 8	23 9	3 26			n.a.
T 16	22 57	0s43	5 17	19 59	0 47	16 21	4 6	20 10	1 8	21 0	0 5	21 59	0 42	13 30	0 21	10 33	1 54	31 4	15 21	23 8	23 9	3 24			n.a.
F 17	22 51	6 12	5 6	19 29	0 40	16 34	4 3	20 0	1 8	21 0	0 5	21 58	0 42	13 31	0 21	10 33	1 54	31 5	15 21	23 8	23 9	3 21			n.a.
S 18	22 44	11 19	4 37	18 58	0 33	16 47	4 0	19 50	1 8	20 59	0 5	21 58	0 42	13 31	0 21	10 33	1 54	31 5	15 21	23 8	23 10	3 19			n.a.
S 19	22 36	15 47	3 52	18 26	0 25	17 1	3 57	19 39	1 7	20 59	0 5	21 58	0 41	13 32	0 21	10 33	1 54	31 6	15 21	23 7	23 10	3 16			n.a.
M20	22 28	19 22	2 54	17 55	0 18	17 14	3 54	19 29	1 7	20 58	0 5	21 57	0 41	13 32	0 21	10 33	1 54	31 6	15 21	23 7	23 10	3 13			n.a.
T 21	22 20	21 49	1 47	17 22	0 10	17 27	3 51	19 18	1 7	20 58	0 4	21 57	0 41	13 33	0 21	10 33	1 53	31 7	15 22	23 7	23 11	3 11			n.a.
W22	22 12	23 1	0 36	16 50	0 1	17 40	3 47	19 8	1 6	20 57	0 4	21 57	0 41	13 33	0 21	10 33	1 53	31 7	15 22	23 7	23 11	3 8			n.a.
T 23	22 3	22 55	0s36	16 17	0s 7	17 53	3 44	18 57	1 6	20 57	0 4	21 57	0 41	13 34	0 21	10 33	1 53	31 8	15 22	23 7	23 11	3 6			n.a.
F 24	21 53	21 36	1 45	15 44	0 16	18 6	3 40	18 46	1 6	20 56	0 4	21 56	0 41	13 34	0 21	10 33	1 53	31 8	15 22	23 7	23 12	3 3			n.a.
S 25	21 44	19 14	2 48	15 11	0 24	18 19	3 36	18 35	1 6	20 56	0 4	21 56	0 41	13 35	0 21	10 33	1 53	31 9	15 22	23 8	23 12	3 1			n.a.
S 26	21 33	16 1	3 41	14 38	0 33	18 32	3 33	18 23	1 5	20 56	0 4	21 56	0 41	13 35	0 21	10 33	1 53	31 10	15 23	23 8	23 12	2 58			n.a.
M27	21 23	12 11	4 24	14 4	0 42	18 44	3 29	18 12	1 5	20 55	0 3	21 56	0 40	13 35	0 21	10 33	1 53	31 10	15 23	23 8	23 12	2 55			n.a.
T 28	21 12	7 54	4 54	13 31	0 51	18 56	3 25	18 0	1 5	20 55	0 3	21 55	0 40	13 36	0 21	10 33	1 53	31 11	15 23	23 8	23 13	2 53			n.a.
W29	21 1	3 23	5 11	12 59	1 0	19 8	3 21	17 49	1 4	20 55	0 3	21 55	0 40	13 36	0 21	10 33	1 53	31 11	15 23	23 8	23 13	2 50			n.a.
T 30	20 49	1n15	5 15	12 26	1 10	19 20	3 17	17 37	1 4	20 55	0 3	21 55	0 40	13 37	0 21	10 34	1 53	31 12	15 23	23 8	23 13	2 48			n.a.
F 31	20n37	5n52	5s 6	11n53	1s19	19n31	3s12	17n25	1n 4	20s55	0n 3	21s55	0n40	13n37	0s21	10s34	1n53	31s12	15s23	23n 8	23n14	2s45			n.a.

Julian Day Number = 1479808.5, Delta T = 05h23m42s
Ecliptic obliquity = 23°46'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'34, Lahiri = -13°05'34 Julian Calendar 1 July 662 BCE == Greg. Calendar 24 June 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

AUGUST 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 7 43	0♌ 6'45	9♉14	26♌50	14♊13	16♌12	2°R31	12°R11	6♉44	1♏58	14°R54	12♋54	11♋55	4♈53	n.a.	S 1
S 2	20 11 40	1° 4'59	21°27	27°55	15°12	16°51	2♐30	12♐ 8	6°45	1°59	14♒53	12°55	11°52	5° 0	n.a.	S 2
M 3	20 15 36	2° 3'15	3♊57	28°58	16°11	17°30	2°29	12° 6	6°46	1°59	14°52	12°57	11°48	5° 7	n.a.	M 3
T 4	20 19 33	3° 1'32	16°47	29°59	17°11	18° 9	2°28	12° 4	6°47	1°59	14°51	12°58	11°45	5°13	n.a.	T 4
W 5	20 23 29	3°59'53	29°58	0♍57	18°11	18°48	2°28	12° 3	6°48	2° 0	14°49	12°59	11°42	5°20	n.a.	W 5
T 6	20 27 26	4°58'15	13♋34	1°52	19°12	19°27	2°28	12° 1	6°49	2° 0	14°48	13°R 0	11°39	5°27	n.a.	T 6
F 7	20 31 22	5°56'39	27°32	2°45	20°13	20° 6	2°D28	11°59	6°49	2° 1	14°47	12°59	11°36	5°34	n.a.	F 7
S 8	20 35 19	6°55'05	11♌50	3°34	21°14	20°46	2°28	11°57	6°50	2° 1	14°46	12°57	11°33	5°40	n.a.	S 8
S 9	20 39 15	7°53'34	26°23	4°20	22°16	21°25	2°28	11°56	6°51	2° 2	14°45	12°55	11°29	5°47	n.a.	S 9
M10	20 43 12	8°52'04	11♍ 5	5° 2	23°18	22° 4	2°29	11°54	6°51	2° 3	14°43	12°51	11°26	5°54	n.a.	M10
T 11	20 47 9	9°50'35	25°47	5°41	24°20	22°44	2°29	11°53	6°52	2° 3	14°42	12°47	11°23	6° 1	n.a.	T 11
W12	20 51 5	10°49'09	10♎25	6°15	25°22	23°23	2°30	11°52	6°52	2° 4	14°41	12°44	11°20	6° 7	n.a.	W12
T 13	20 55 2	11°47'44	24°51	6°45	26°25	24° 2	2°31	11°51	6°53	2° 5	14°40	12°42	11°17	6°14	n.a.	T 13
F 14	20 58 58	12°46'22	9♏ 2	7°11	27°29	24°42	2°33	11°50	6°53	2° 5	14°38	12°D41	11°13	6°21	n.a.	F 14
S 15	21 2 55	13°45'01	22°57	7°31	28°32	25°21	2°34	11°49	6°53	2° 6	14°37	12°41	11°10	6°27	n.a.	S 15
S 16	21 6 51	14°43'41	6♐35	7°45	29°36	26° 1	2°36	11°48	6°53	2° 7	14°36	12°42	11° 7	6°34	n.a.	S 16
M17	21 10 48	15°42'24	19°57	7°54	0♋40	26°41	2°38	11°47	6°54	2° 8	14°35	12°44	11° 4	6°41	n.a.	M17
T 18	21 14 44	16°41'09	3♑ 4	7°R56	1°44	27°20	2°40	11°46	6°54	2° 8	14°33	12°45	11° 1	6°48	n.a.	T 18
W19	21 18 41	17°39'55	15°58	7°52	2°49	28° 0	2°42	11°46	6°54	2° 9	14°32	12°R45	10°58	6°54	n.a.	W19
T 20	21 22 38	18°38'43	28°40	7°42	3°54	28°40	2°44	11°45	6°54	2°10	14°31	12°44	10°54	7° 1	n.a.	T 20
F 21	21 26 34	19°37'34	11♒11	7°23	4°59	29°19	2°47	11°45	6°R54	2°11	14°30	12°41	10°51	7° 8	n.a.	F 21
S 22	21 30 31	20°36'26	23°32	6°58	6° 4	29°59	2°50	11°45	6°54	2°12	14°29	12°36	10°48	7°15	n.a.	S 22
S 23	21 34 27	21°35'21	5♓43	6°25	7°10	0♍39	2°53	11°44	6°54	2°13	14°27	12°30	10°45	7°21	n.a.	S 23
M24	21 38 24	22°34'17	17°47	5°46	8°16	1°19	2°56	11°D44	6°54	2°14	14°26	12°23	10°42	7°28	n.a.	M24
T 25	21 42 20	23°33'16	29°44	4°59	9°22	1°59	2°59	11°44	6°53	2°15	14°25	12°15	10°39	7°35	n.a.	T 25
W26	21 46 17	24°32'18	11♈37	4° 5	10°29	2°39	3° 3	11°44	6°53	2°16	14°24	12° 8	10°35	7°41	n.a.	W26
T 27	21 50 13	25°31'21	23°28	3° 6	11°35	3°19	3° 7	11°45	6°53	2°17	14°22	12° 2	10°32	7°48	n.a.	T 27
F 28	21 54 10	26°30'27	5♉21	2° 3	12°42	3°59	3°10	11°45	6°53	2°19	14°21	11°57	10°29	7°55	n.a.	F 28
S 29	21 58 6	27°29'36	17°21	0°56	13°49	4°39	3°15	11°45	6°52	2°20	14°20	11°55	10°26	8° 2	n.a.	S 29
S 30	22 2 3	28°28'47	29°31	29♌47	14°56	5°19	3°19	11°46	6°52	2°21	14°19	11°D54	10°23	8° 8	n.a.	S 30
M31	22 6 0	29♌28'00	11♊56	28♌38	16♋ 4	5♍59	3♐23	11♐46	6♉51	2♏22	14♒18	11♋55	10♋19	8♈15	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n25	10n18	4s43	11n22	1s28	19n43	3s 8	17n13	1n 3	20s55	0n 3	21s55	0n40	13n37	0s21	10s34	1n53	31s13	15s23	23n 8	23n14	2s42		n.a.
S 2	20 12	14 24	4 7	10 50	1 38	19 53	3 4	17 0	1 3	20 55	0 3	21 55	0 40	13 38	0 21	10 34	1 53	31 13	15 23	23 8	23 14	2 40		n.a.
M 3	19 59	17 59	3 19	10 19	1 47	20 4	3 0	16 48	1 3	20 55	0 2	21 54	0 39	13 38	0 21	10 34	1 53	31 13	15 24	23 8	23 14	2 37		n.a.
T 4	19 45	20 48	2 19	9 49	1 57	20 14	2 55	16 35	1 2	20 55	0 2	21 54	0 39	13 38	0 21	10 34	1 52	31 14	15 24	23 8	23 15	2 35		n.a.
W 5	19 32	22 35	1 11	9 20	2 6	20 24	2 51	16 23	1 2	20 55	0 2	21 54	0 39	13 38	0 21	10 35	1 52	31 14	15 24	23 8	23 15	2 32		n.a.
T 6	19 17	23 7	0n 3	8 51	2 15	20 34	2 47	16 10	1 2	20 55	0 2	21 54	0 39	13 39	0 21	10 35	1 52	31 15	15 24	23 8	23 15	2 29		n.a.
F 7	19 3	22 14	1 19	8 24	2 25	20 43	2 42	15 57	1 1	20 55	0 2	21 54	0 39	13 39	0 21	10 35	1 52	31 15	15 24	23 8	23 16	2 27		n.a.
S 8	18 48	19 54	2 32	7 57	2 34	20 52	2 38	15 44	1 1	20 55	0 2	21 54	0 39	13 39	0 21	10 35	1 52	31 16	15 24	23 8	23 16	2 24		n.a.
S 9	18 33	16 16	3 36	7 32	2 43	21 0	2 33	15 31	1 1	20 55	0 1	21 54	0 39	13 39	0 21	10 36	1 52	31 16	15 24	23 8	23 16	2 22		n.a.
M10	18 18	11 36	4 26	7 8	2 51	21 8	2 28	15 18	1 0	20 56	0 1	21 54	0 38	13 40	0 21	10 36	1 52	31 17	15 24	23 9	23 16	2 19		n.a.
T 11	18 2	6 16	4 59	6 46	3 0	21 15	2 24	15 4	1 0	20 56	0 1	21 54	0 38	13 40	0 21	10 36	1 52	31 17	15 24	23 9	23 17	2 16		n.a.
W12	17 46	0 36	5 13	6 26	3 8	21 22	2 19	14 51	1 0	20 56	0 1	21 54	0 38	13 40	0 21	10 37	1 52	31 18	15 24	23 9	23 17	2 14		n.a.
T 13	17 29	5s 1	5 6	6 8	3 16	21 29	2 15	14 37	0 59	20 56	0 1	21 54	0 38	13 40	0 21	10 37	1 52	31 18	15 24	23 10	23 17	2 11		n.a.
F 14	17 13	10 17	4 41	5 51	3 23	21 35	2 10	14 24	0 59	20 57	0 1	21 54	0 38	13 40	0 21	10 37	1 52	31 19	15 24	23 10	23 18	2 9		n.a.
S 15	16 56	14 55	3 59	5 37	3 30	21 41	2 5	14 10	0 59	20 57	0 1	21 54	0 38	13 40	0 21	10 37	1 52	31 19	15 24	23 10	23 18	2 6		n.a.
S 16	16 39	18 41	3 5	5 26	3 36	21 46	2 1	13 56	0 58	20 58	0 0	21 54	0 38	13 40	0 21	10 38	1 52	31 19	15 24	23 9	23 18	2 3		n.a.
M17	16 21	21 22	2 1	5 18	3 42	21 50	1 56	13 42	0 58	20 58	0 0	21 54	0 37	13 40	0 21	10 38	1 52	31 20	15 24	23 9	23 18	2 1		n.a.
T 18	16 3	22 52	0 53	5 12	3 47	21 54	1 51	13 28	0 57	20 59	0 0	21 54	0 37	13 40	0 21	10 38	1 52	31 20	15 24	23 9	23 19	1 58		n.a.
W19	15 45	23 6	0s18	5 10	3 50	21 58	1 47	13 14	0 57	20 59	0 0	21 54	0 37	13 40	0 21	10 39	1 52	31 21	15 24	23 9	23 19	1 55		n.a.
T 20	15 27	22 7	1 26	5 12	3 53	22 1	1 42	12 59	0 57	21 0	0s 0	21 54	0 37	13 40	0 21	10 39	1 51	31 21	15 24	23 9	23 19	1 53		n.a.
F 21	15 8	20 2	2 28	5 17	3 55	22 4	1 37	12 45	0 56	21 1	0 0	21 54	0 37	13 40	0 21	10 40	1 51	31 21	15 24	23 10	23 19	1 50		n.a.
S 22	14 49	17 3	3 23	5 27	3 55	22 6	1 33	12 30	0 56	21 1	0 0	21 54	0 37	13 40	0 21	10 40	1 51	31 22	15 24	23 10	23 20	1 48		n.a.
S 23	14 30	13 22	4 8	5 40	3 53	22 7	1 28	12 16	0 56	21 2	0 0	21 54	0 37	13 40	0 21	10 40	1 51	31 22	15 24	23 11	23 20	1 45		n.a.
M24	14 11	9 12	4 41	5 58	3 50	22 8	1 23	12 1	0 55	21 3	0 1	21 54	0 36	13 40	0 21	10 41	1 51	31 22	15 24	23 11	23 20	1 42		n.a.
T 25	13 51	4 42	5 1	6 20	3 45	22 8	1 19	11 46	0 55	21 4	0 1	21 55	0 36	13 40	0 21	10 41	1 51	31 23	15 24	23 12	23 20	1 40		n.a.
W26	13 32	0 4	5 8	6 45	3 39	22 8	1 14	11 31	0 54	21 5	0 1	21 55	0 36	13 40	0 21	10 42	1 51	31 23	15 24	23 13	23 21	1 37		n.a.
T 27	13 11	4n34	5 2	7 15	3 30	22 7	1 9	11 16	0 54	21 5	0 1	21 55	0 36	13 40	0 21	10 42	1 51	31 24	15 24	23 13	23 21	1 34		n.a.
F 28	12 51	9 2	4 43	7 48	3 19	22 5	1 5	11 1	0 54	21 6	0 1	21 55	0 36	13 40	0 21	10 43	1 51	31 24	15 24	23 14	23 21	1 32		n.a.
S 29	12 31	13 13	4 12	8 24	3 6	22 3	1 0	10 46	0 53	21 7	0 1	21 55	0 36	13 40	0 21	10 43	1 51	31 24	15 24	23 14	23 21	1 29		n.a.
S 30	12 10	16 56	3 29	9 2	2 51	22 0	0 56	10 30	0 53	21 8	0 1	21 55	0 36	13 40	0 21	10 44	1 51	31 24	15 24	23 14	23 22	1 27		n.a.
M31	11n49	19n59	2s35	9n42	2s35	21n57	0s51	10n15	0n52	21s 9	0s 2	21s56	0n35	13n39	0s21	10s44	1n51	31s25	15s24	23n14	23n22	1s24		n.a.

Julian Day Number = 1479839.5, Delta T = 05h23m41s
Ecliptic obliquity = 23°46'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'30, Lahiri = -13°05'29 Julian Calendar 1 Aug. 662 BCE == Greg. Calendar 25 July 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

SEPTEMBER 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 9 56	0♍27'16	24♊42	27°R31	17♋11	6♍39	3♐28	11♐47	6°R51	2♏24	14°R17	11♋56	10♋16	8♈22	n.a.	T 1
W 2	22 13 53	1°26'34	7♋53	26♌27	18°19	7°20	3°33	11°48	6♉50	2°25	14♒15	11°R57	10°13	8°29	n.a.	W 2
T 3	22 17 49	2°25'55	21°30	25°29	19°27	8° 0	3°38	11°49	6°49	2°26	14°14	11°57	10°10	8°35	n.a.	T 3
F 4	22 21 46	3°25'18	5♌36	24°38	20°36	8°40	3°43	11°50	6°49	2°27	14°13	11°54	10° 7	8°42	n.a.	F 4
S 5	22 25 42	4°24'44	20° 8	23°55	21°44	9°21	3°48	11°51	6°48	2°29	14°12	11°50	10° 4	8°49	n.a.	S 5
S 6	22 29 39	5°24'11	5♍ 0	23°22	22°53	10° 1	3°53	11°52	6°47	2°30	14°11	11°43	10° 0	8°55	n.a.	S 6
M 7	22 33 35	6°23'41	20° 5	22°59	24° 1	10°42	3°59	11°54	6°46	2°32	14°10	11°35	9°57	9° 2	n.a.	M 7
T 8	22 37 32	7°23'13	5♎13	22°47	25°10	11°22	4° 5	11°55	6°45	2°33	14° 9	11°26	9°54	9° 9	n.a.	T 8
W 9	22 41 28	8°22'46	20°13	22°D46	26°20	12° 3	4°11	11°56	6°44	2°35	14° 7	11°18	9°51	9°16	n.a.	W 9
T 10	22 45 25	9°22'22	4♏58	22°56	27°29	12°44	4°17	11°58	6°43	2°36	14° 6	11°12	9°48	9°22	n.a.	T 10
F 11	22 49 22	10°22'00	19°21	23°16	28°38	13°24	4°23	12° 0	6°42	2°38	14° 5	11° 8	9°44	9°29	n.a.	F 11
S 12	22 53 18	11°21'39	3♐19	23°46	29°48	14° 5	4°30	12° 2	6°41	2°39	14° 4	11° 6	9°41	9°36	n.a.	S 12
S 13	22 57 15	12°21'21	16°54	24°26	0♌58	14°46	4°36	12° 3	6°40	2°41	14° 3	11°D 5	9°38	9°42	n.a.	S 13
M14	23 1 11	13°21'04	0♑ 6	25°14	2° 8	15°27	4°43	12° 5	6°39	2°42	14° 2	11° 6	9°35	9°49	n.a.	M14
T 15	23 5 8	14°20'49	13° 0	26° 9	3°18	16° 7	4°50	12° 7	6°38	2°44	14° 1	11°R 6	9°32	9°56	n.a.	T 15
W16	23 9 4	15°20'36	25°38	27°12	4°28	16°48	4°57	12°10	6°36	2°46	14° 0	11° 5	9°29	10° 3	n.a.	W16
T 17	23 13 1	16°20'25	8♒ 3	28°21	5°38	17°29	5° 4	12°12	6°35	2°47	13°59	11° 2	9°25	10° 9	n.a.	T 17
F 18	23 16 57	17°20'16	20°19	29°35	6°49	18°10	5°12	12°14	6°34	2°49	13°58	10°56	9°22	10°16	n.a.	F 18
S 19	23 20 54	18°20'08	2♓27	0♍54	7°59	18°51	5°19	12°17	6°32	2°51	13°57	10°47	9°19	10°23	n.a.	S 19
S 20	23 24 51	19°20'03	14°29	2°17	9°10	19°32	5°27	12°19	6°31	2°53	13°56	10°36	9°16	10°30	n.a.	S 20
M21	23 28 47	20°19'59	26°27	3°43	10°21	20°13	5°34	12°22	6°29	2°54	13°55	10°23	9°13	10°36	n.a.	M21
T 22	23 32 44	21°19'58	8♈21	5°12	11°32	20°54	5°42	12°25	6°28	2°56	13°54	10° 9	9°10	10°43	n.a.	T 22
W23	23 36 40	22°19'59	20°13	6°43	12°43	21°36	5°50	12°28	6°26	2°58	13°53	9°56	9° 6	10°50	n.a.	W23
T 24	23 40 37	23°20'01	2♉ 4	8°17	13°54	22°17	5°59	12°30	6°24	3° 0	13°52	9°44	9° 3	10°56	n.a.	T 24
F 25	23 44 33	24°20'07	13°58	9°51	15° 6	22°58	6° 7	12°33	6°23	3° 2	13°51	9°35	9° 0	11° 3	n.a.	F 25
S 26	23 48 30	25°20'14	25°57	11°27	16°17	23°39	6°15	12°37	6°21	3° 3	13°50	9°29	8°57	11°10	n.a.	S 26
S 27	23 52 26	26°20'23	8♊ 5	13° 4	17°29	24°21	6°24	12°40	6°19	3° 5	13°50	9°25	8°54	11°17	n.a.	S 27
M28	23 56 23	27°20'35	20°26	14°42	18°41	25° 2	6°33	12°43	6°17	3° 7	13°49	9°24	8°50	11°23	n.a.	M28
T 29	0 0 19	28°20'49	3♋ 6	16°20	19°52	25°44	6°42	12°46	6°16	3° 9	13°48	9°24	8°47	11°30	n.a.	T 29
W30	0 4 16	29♍21'05	16♋ 9	17♍58	21♌ 4	26♍25	6♐51	12♐50	6♉14	3♏11	13♒47	9♋24	8♋44	11♈37	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n28	22n 8	1s32	10n22	2s17	21n53	0s47	10n 0	0n52	21s10	0s 2	21s56	0n35	13n39	0s21	10s45	1n51	31s25	15s24	23n14	23n22	1s21		n.a.
W 2	11 7	23 10	0 22	11 1	1 58	21 48	0 42	9 44	0 52	21 11	0 2	21 56	0 35	13 39	0 21	10 45	1 51	31 25	15 24	23 14	23 22	1 19		n.a.
T 3	10 45	22 52	0n51	11 40	1 38	21 43	0 38	9 28	0 51	21 12	0 2	21 56	0 35	13 39	0 21	10 46	1 51	31 26	15 24	23 14	23 23	1 16		n.a.
F 4	10 23	21 8	2 4	12 16	1 18	21 37	0 33	9 13	0 51	21 13	0 2	21 57	0 35	13 38	0 21	10 46	1 51	31 26	15 24	23 14	23 23	1 13		n.a.
S 5	10 2	17 59	3 10	12 49	0 58	21 31	0 29	8 57	0 50	21 14	0 2	21 57	0 35	13 38	0 21	10 47	1 50	31 26	15 24	23 14	23 23	1 11		n.a.
S 6	9 40	13 36	4 5	13 19	0 38	21 24	0 25	8 41	0 50	21 16	0 2	21 57	0 35	13 38	0 21	10 47	1 50	31 26	15 23	23 15	23 23	1 8		n.a.
M 7	9 17	8 19	4 44	13 45	0 19	21 16	0 20	8 25	0 49	21 17	0 2	21 58	0 35	13 38	0 21	10 48	1 50	31 27	15 23	23 16	23 24	1 5		n.a.
T 8	8 55	2 32	5 3	14 6	0 0	21 8	0 16	8 9	0 49	21 18	0 3	21 58	0 34	13 37	0 21	10 48	1 50	31 27	15 23	23 16	23 24	1 3		n.a.
W 9	8 33	3s22	5 1	14 23	0n17	20 59	0 12	7 53	0 49	21 19	0 3	21 58	0 34	13 37	0 21	10 49	1 50	31 27	15 23	23 17	23 24	1 0		n.a.
T 10	8 10	8 58	4 39	14 35	0 33	20 50	0 8	7 37	0 48	21 21	0 3	21 59	0 34	13 37	0 21	10 49	1 50	31 27	15 23	23 18	23 24	0 57		n.a.
F 11	7 47	13 57	4 0	14 42	0 48	20 39	0 4	7 21	0 48	21 22	0 3	21 59	0 34	13 36	0 21	10 50	1 50	31 28	15 23	23 18	23 25	0 55		n.a.
S 12	7 24	18 3	3 7	14 45	1 1	20 29	0n 0	7 4	0 47	21 23	0 3	21 59	0 34	13 36	0 21	10 51	1 50	31 28	15 23	23 18	23 25	0 52		n.a.
S 13	7 1	21 2	2 5	14 43	1 13	20 17	0 4	6 48	0 47	21 25	0 3	22 0	0 34	13 36	0 22	10 51	1 50	31 28	15 23	23 18	23 25	0 49		n.a.
M14	6 38	22 48	0 58	14 36	1 24	20 6	0 8	6 32	0 46	21 26	0 3	22 0	0 34	13 35	0 22	10 52	1 50	31 28	15 22	23 18	23 25	0 47		n.a.
T 15	6 15	23 18	0s10	14 26	1 33	19 53	0 12	6 15	0 46	21 27	0 3	22 1	0 33	13 35	0 22	10 52	1 50	31 28	15 22	23 18	23 26	0 44		n.a.
W16	5 51	22 34	1 17	14 11	1 41	19 40	0 16	5 59	0 46	21 29	0 4	22 1	0 33	13 34	0 22	10 53	1 50	31 29	15 22	23 18	23 26	0 41		n.a.
T 17	5 28	20 44	2 18	13 53	1 47	19 26	0 19	5 42	0 45	21 30	0 4	22 1	0 33	13 34	0 22	10 54	1 50	31 29	15 22	23 19	23 26	0 39		n.a.
F 18	5 4	17 57	3 12	13 31	1 52	19 12	0 23	5 25	0 45	21 32	0 4	22 2	0 33	13 33	0 22	10 54	1 50	31 29	15 22	23 19	23 26	0 36		n.a.
S 19	4 40	14 25	3 57	13 7	1 56	18 57	0 27	5 9	0 44	21 33	0 4	22 2	0 33	13 33	0 22	10 55	1 50	31 29	15 22	23 20	23 27	0 33		n.a.
S 20	4 17	10 20	4 31	12 40	1 59	18 42	0 30	4 52	0 44	21 35	0 4	22 3	0 33	13 32	0 22	10 55	1 50	31 29	15 21	23 21	23 27	0 31		n.a.
M21	3 53	5 53	4 52	12 10	2 1	18 26	0 34	4 35	0 43	21 36	0 4	22 3	0 33	13 32	0 22	10 56	1 50	31 29	15 21	23 22	23 27	0 28		n.a.
T 22	3 29	1 14	5 1	11 38	2 2	18 10	0 37	4 18	0 43	21 38	0 4	22 4	0 32	13 31	0 22	10 57	1 50	31 29	15 21	23 23	23 27	0 25		n.a.
W23	3 5	3n27	4 56	11 4	2 3	17 52	0 40	4 2	0 42	21 39	0 4	22 4	0 32	13 31	0 22	10 57	1 50	31 30	15 21	23 24	23 27	0 23		n.a.
T 24	2 41	8 0	4 39	10 28	2 2	17 35	0 44	3 45	0 42	21 41	0 4	22 5	0 32	13 30	0 22	10 58	1 50	31 30	15 21	23 25	23 28	0 20		n.a.
F 25	2 17	12 18	4 9	9 50	2 1	17 17	0 47	3 28	0 41	21 42	0 5	22 5	0 32	13 30	0 22	10 59	1 49	31 30	15 20	23 25	23 28	0 17		n.a.
S 26	1 53	16 8	3 28	9 12	1 59	16 58	0 50	3 11	0 41	21 44	0 5	22 6	0 32	13 29	0 22	10 59	1 49	31 30	15 20	23 26	23 28	0 15		n.a.
S 27	1 28	19 22	2 38	8 32	1 57	16 39	0 53	2 54	0 40	21 46	0 5	22 6	0 32	13 29	0 22	11 0	1 49	31 30	15 20	23 26	23 28	0 12		n.a.
M28	1 4	21 47	1 39	7 51	1 54	16 19	0 56	2 36	0 40	21 47	0 5	22 7	0 32	13 28	0 22	11 1	1 49	31 30	15 20	23 26	23 29	0 9		n.a.
T 29	0 40	23 11	0 33	7 9	1 50	15 59	0 59	2 19	0 39	21 49	0 5	22 8	0 32	13 27	0 22	11 2	1 49	31 30	15 19	23 26	23 29	0 7		n.a.
W30	0n16	23n22	0n36	6n27	1n46	15n39	1n 2	2n 2	0n39	21s50	0s 5	22s 8	0n31	13n27	0s22	11s 2	1n49	31s30	15s19	23n26	23n29	0s 4		n.a.

Julian Day Number = 1479870.5, Delta T = 05h23m39s
Ecliptic obliquity = 23°46'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'26, Lahiri = -13°05'25 Julian Calendar 1 Sept. 662 BCE == Greg. Calendar 25 Aug. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

OCTOBER 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 8 13	0♎21'24	29♋39	19♍37	22♌17	27♍ 7	7♐ 0	12♐53	6°R12	3♏13	13°R46	9°R23	8♋41	11♈44	n.a.	T 1
F 2	0 12 9	1°21'44	13♌39	21°16	23°29	27°48	7° 9	12°57	6♉10	3°15	13♒46	9♋19	8°38	11°50	n.a.	F 2
S 3	0 16 6	2°22'07	28° 9	22°55	24°41	28°30	7°19	13° 1	6° 8	3°17	13°45	9°13	8°35	11°57	n.a.	S 3
S 4	0 20 2	3°22'31	13♍ 4	24°34	25°53	29°12	7°28	13° 5	6° 6	3°19	13°44	9° 4	8°31	12° 4	n.a.	S 4
M 5	0 23 59	4°22'58	28°18	26°12	27° 6	29°54	7°38	13° 8	6° 4	3°21	13°43	8°53	8°28	12°10	n.a.	M 5
T 6	0 27 55	5°23'26	13♎39	27°51	28°18	0♎35	7°47	13°12	6° 2	3°23	13°43	8°41	8°25	12°17	n.a.	T 6
W 7	0 31 52	6°23'56	28°56	29°29	29°31	1°17	7°57	13°16	6° 0	3°25	13°42	8°30	8°22	12°24	n.a.	W 7
T 8	0 35 48	7°24'28	13♏58	1♎ 7	0♍44	1°59	8° 7	13°21	5°58	3°27	13°41	8°21	8°19	12°31	n.a.	T 8
F 9	0 39 45	8°25'01	28°37	2°45	1°57	2°41	8°17	13°25	5°55	3°29	13°41	8°15	8°15	12°37	n.a.	F 9
S 10	0 43 42	9°25'36	12♐47	4°22	3°10	3°23	8°28	13°29	5°53	3°31	13°40	8°11	8°12	12°44	n.a.	S 10
S 11	0 47 38	10°26'12	26°29	5°59	4°23	4° 5	8°38	13°33	5°51	3°34	13°40	8° 9	8° 9	12°51	n.a.	S 11
M12	0 51 35	11°26'49	9♑44	7°36	5°36	4°47	8°48	13°38	5°49	3°36	13°39	8° 9	8° 6	12°57	n.a.	M12
T 13	0 55 31	12°27'28	22°35	9°13	6°49	5°29	8°59	13°42	5°47	3°38	13°38	8° 9	8° 3	13° 4	n.a.	T 13
W14	0 59 28	13°28'08	5♒ 6	10°49	8° 2	6°11	9°10	13°47	5°44	3°40	13°38	8° 7	8° 0	13°11	n.a.	W14
T 15	1 3 24	14°28'50	17°24	12°25	9°15	6°54	9°20	13°52	5°42	3°42	13°37	8° 4	7°56	13°18	n.a.	T 15
F 16	1 7 21	15°29'32	29°30	14° 1	10°29	7°36	9°31	13°56	5°40	3°44	13°37	7°57	7°53	13°24	n.a.	F 16
S 17	1 11 17	16°30'16	11♓30	15°36	11°42	8°18	9°42	14° 1	5°37	3°46	13°36	7°48	7°50	13°31	n.a.	S 17
S 18	1 15 14	17°31'02	23°25	17°12	12°56	9° 0	9°53	14° 6	5°35	3°49	13°36	7°35	7°47	13°38	n.a.	S 18
M19	1 19 11	18°31'48	5♈18	18°47	14° 9	9°43	10° 4	14°11	5°33	3°51	13°36	7°21	7°44	13°45	n.a.	M19
T 20	1 23 7	19°32'36	17°11	20°22	15°23	10°25	10°16	14°16	5°30	3°53	13°35	7° 7	7°41	13°51	n.a.	T 20
W21	1 27 4	20°33'25	29° 4	21°56	16°37	11° 8	10°27	14°21	5°28	3°55	13°35	6°52	7°37	13°58	n.a.	W21
T 22	1 31 0	21°34'16	11♉ 0	23°31	17°50	11°50	10°38	14°26	5°25	3°57	13°35	6°40	7°34	14° 5	n.a.	T 22
F 23	1 34 57	22°35'08	22°58	25° 5	19° 4	12°33	10°50	14°31	5°23	4° 0	13°34	6°30	7°31	14°11	n.a.	F 23
S 24	1 38 53	23°36'02	5♊ 3	26°40	20°18	13°15	11° 1	14°37	5°20	4° 2	13°34	6°23	7°28	14°18	n.a.	S 24
S 25	1 42 50	24°36'57	17°15	28°14	21°32	13°58	11°13	14°42	5°18	4° 4	13°34	6°18	7°25	14°25	n.a.	S 25
M26	1 46 46	25°37'54	29°38	29°48	22°46	14°41	11°25	14°47	5°15	4° 6	13°33	6°17	7°21	14°32	n.a.	M26
T 27	1 50 43	26°38'52	12♋17	1♏22	24° 0	15°24	11°37	14°53	5°13	4° 9	13°33	6°D17	7°18	14°38	n.a.	T 27
W28	1 54 40	27°39'52	25°16	2°55	25°14	16° 6	11°49	14°58	5°10	4°11	13°33	6°R17	7°15	14°45	n.a.	W28
T 29	1 58 36	28°40'53	8♌37	4°29	26°29	16°49	12° 1	15° 4	5° 8	4°13	13°33	6°17	7°12	14°52	n.a.	T 29
F 30	2 2 33	29°41'55	22°25	6° 3	27°43	17°32	12°13	15°10	5° 5	4°15	13°33	6°14	7° 9	14°58	n.a.	F 30
S 31	2 6 29	0♏42'59	6♍41	7♏37	28♍57	18♎15	12♐25	15♐15	5♉ 3	4♏18	13♒33	6♋10	7♋ 6	15♈ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s 9	22n13	1n45	5n44	1n42	15n18	1n 4	1n45	0n38	21s52	0s 5	22s 9	0n31	13n26	0s22	11s 3	1n49	31s30	15s19	23n26	23n29	0s 1			n.a.
F 2	0 33	19 40	2 50	5 0	1 38	14 56	1 7	1 28	0 38	21 54	0 5	22 9	0 31	13 25	0 22	11 4	1 49	31 30	15 19	23 27	23 29	0n 1			n.a.
S 3	0 57	15 49	3 47	4 16	1 33	14 34	1 10	1 11	0 37	21 55	0 5	22 10	0 31	13 25	0 22	11 4	1 49	31 30	15 19	23 27	23 30	0 4			n.a.
S 4	1 22	10 53	4 30	3 32	1 28	14 12	1 12	0 53	0 37	21 57	0 6	22 10	0 31	13 24	0 22	11 5	1 49	31 30	15 18	23 28	23 30	0 7			n.a.
M 5	1 46	5 11	4 55	2 47	1 22	13 49	1 15	0 36	0 36	21 59	0 6	22 11	0 31	13 23	0 22	11 6	1 49	31 30	15 18	23 28	23 30	0 10			n.a.
T 6	2 10	0s53	4 59	2 2	1 17	13 26	1 17	0 19	0 36	22 1	0 6	22 12	0 31	13 23	0 22	11 7	1 49	31 30	15 18	23 29	23 30	0 12			n.a.
W 7	2 35	6 52	4 41	1 17	1 11	13 2	1 19	0 1	0 35	22 2	0 6	22 12	0 31	13 22	0 22	11 7	1 49	31 30	15 17	23 30	23 30	0 15			n.a.
T 8	2 59	12 22	4 5	0 32	1 5	12 38	1 21	0s16	0 35	22 4	0 6	22 13	0 30	13 21	0 22	11 8	1 49	31 30	15 17	23 30	23 31	0 18			n.a.
F 9	3 23	17 0	3 12	0s12	0 59	12 13	1 23	0 33	0 34	22 6	0 6	22 14	0 30	13 21	0 22	11 9	1 49	31 30	15 17	23 31	23 31	0 20			n.a.
S 10	3 47	20 30	2 10	0 57	0 53	11 49	1 25	0 51	0 34	22 7	0 6	22 14	0 30	13 20	0 22	11 10	1 49	31 30	15 17	23 31	23 31	0 23			n.a.
S 11	4 11	22 42	1 1	1 42	0 46	11 24	1 27	1 8	0 33	22 9	0 6	22 15	0 30	13 19	0 22	11 10	1 49	31 30	15 16	23 31	23 31	0 26			n.a.
M12	4 35	23 33	0s 8	2 27	0 40	10 58	1 29	1 26	0 33	22 11	0 6	22 16	0 30	13 18	0 22	11 11	1 49	31 30	15 16	23 31	23 31	0 28			n.a.
T 13	4 59	23 6	1 15	3 11	0 34	10 32	1 31	1 43	0 32	22 13	0 6	22 16	0 30	13 18	0 22	11 12	1 49	31 30	15 16	23 31	23 32	0 31			n.a.
W14	5 23	21 28	2 17	3 55	0 27	10 6	1 33	2 0	0 32	22 14	0 7	22 17	0 30	13 17	0 22	11 13	1 49	31 29	15 16	23 31	23 32	0 34			n.a.
T 15	5 47	18 52	3 11	4 40	0 21	9 39	1 34	2 18	0 31	22 16	0 7	22 18	0 30	13 16	0 22	11 13	1 49	31 29	15 15	23 32	23 32	0 36			n.a.
F 16	6 11	15 28	3 56	5 23	0 14	9 13	1 36	2 35	0 31	22 18	0 7	22 18	0 29	13 15	0 22	11 14	1 49	31 29	15 15	23 32	23 32	0 39			n.a.
S 17	6 35	11 29	4 29	6 7	0 7	8 46	1 37	2 53	0 30	22 20	0 7	22 19	0 29	13 14	0 22	11 15	1 49	31 29	15 15	23 33	23 32	0 42			n.a.
S 18	6 58	7 5	4 51	6 50	0 1	8 18	1 38	3 10	0 30	22 22	0 7	22 20	0 29	13 14	0 22	11 16	1 49	31 29	15 14	23 33	23 33	0 45			n.a.
M19	7 22	2 26	4 59	7 33	0s 6	7 51	1 39	3 27	0 29	22 23	0 7	22 20	0 29	13 13	0 22	11 16	1 49	31 29	15 14	23 34	23 33	0 47			n.a.
T 20	7 45	2n18	4 55	8 15	0 12	7 23	1 41	3 45	0 29	22 25	0 7	22 21	0 29	13 12	0 22	11 17	1 49	31 29	15 14	23 35	23 33	0 50			n.a.
W21	8 8	6 58	4 38	8 57	0 19	6 55	1 42	4 2	0 28	22 27	0 7	22 22	0 29	13 11	0 22	11 18	1 49	31 28	15 13	23 36	23 33	0 53			n.a.
T 22	8 31	11 24	4 8	9 39	0 25	6 26	1 43	4 19	0 27	22 29	0 7	22 23	0 29	13 10	0 22	11 19	1 49	31 28	15 13	23 36	23 33	0 55			n.a.
F 23	8 54	15 25	3 28	10 20	0 31	5 58	1 43	4 37	0 27	22 30	0 7	22 23	0 29	13 10	0 22	11 19	1 49	31 28	15 13	23 37	23 33	0 58			n.a.
S 24	9 17	18 51	2 37	11 0	0 38	5 29	1 44	4 54	0 26	22 32	0 8	22 24	0 29	13 9	0 22	11 20	1 49	31 28	15 13	23 37	23 34	1 1			n.a.
S 25	9 40	21 31	1 39	11 40	0 44	5 0	1 45	5 11	0 26	22 34	0 8	22 25	0 28	13 8	0 22	11 21	1 49	31 28	15 12	23 37	23 34	1 4			n.a.
M26	10 3	23 11	0 35	12 20	0 50	4 31	1 45	5 29	0 25	22 36	0 8	22 25	0 28	13 7	0 22	11 22	1 49	31 27	15 12	23 37	23 34	1 6			n.a.
T 27	10 25	23 44	0n32	12 59	0 56	4 2	1 46	5 46	0 25	22 37	0 8	22 26	0 28	13 6	0 22	11 23	1 49	31 27	15 12	23 37	23 34	1 9			n.a.
W28	10 47	23 0	1 39	13 38	1 2	3 32	1 46	6 3	0 24	22 39	0 8	22 27	0 28	13 5	0 22	11 23	1 49	31 27	15 11	23 37	23 34	1 12			n.a.
T 29	11 9	20 59	2 43	14 15	1 8	3 3	1 47	6 20	0 23	22 41	0 8	22 28	0 28	13 5	0 22	11 24	1 49	31 27	15 11	23 37	23 35	1 14			n.a.
F 30	11 31	17 41	3 40	14 52	1 13	2 33	1 47	6 37	0 23	22 43	0 8	22 28	0 28	13 4	0 22	11 25	1 49	31 26	15 11	23 38	23 35	1 17			n.a.
S 31	11s53	13n16	4n24	15s29	1s19	2n 3	1n47	6s55	0n22	22s44	0s 8	22s29	0n28	13n 3	0s22	11s26	1n49	31s26	15s10	23n38	23n35	1n20			n.a.

Julian Day Number = 1479900.5, Delta T = 05h23m38s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'22, Lahiri = -13°05'21 Julian Calendar 1 Oct. 662 BCE == Greg. Calendar 24 Sept. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

NOVEMBER 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 10 26	1♏44'03	21♍23	9♏10	0♎11	18♎58	12♐37	15♐21	5°R 0	4♏20	13°R32	6°R 3	7♋ 2	15♈12	n.a.	S 1
M 2	2 14 22	2°45'10	6♎25	10°44	1°26	19°41	12°50	15°27	4♉58	4°22	13♒32	5♋54	6°59	15°19	n.a.	M 2
T 3	2 18 19	3°46'17	21°40	12°17	2°40	20°24	13° 2	15°33	4°55	4°24	13°32	5°44	6°56	15°25	n.a.	T 3
W 4	2 22 15	4°47'25	6♏57	13°51	3°54	21° 7	13°15	15°39	4°53	4°27	13°32	5°34	6°53	15°32	n.a.	W 4
T 5	2 26 12	5°48'34	22° 4	15°24	5° 9	21°50	13°27	15°45	4°50	4°29	13°D32	5°26	6°50	15°39	n.a.	T 5
F 6	2 30 9	6°49'44	6♐51	16°58	6°23	22°34	13°40	15°51	4°47	4°31	13°32	5°20	6°47	15°46	n.a.	F 6
S 7	2 34 5	7°50'55	21°12	18°31	7°38	23°17	13°52	15°57	4°45	4°33	13°32	5°17	6°43	15°52	n.a.	S 7
S 8	2 38 2	8°52'06	5♑ 5	20° 5	8°53	24° 0	14° 5	16° 3	4°42	4°36	13°32	5°D16	6°40	15°59	n.a.	S 8
M 9	2 41 58	9°53'18	18°28	21°38	10° 7	24°44	14°18	16° 9	4°40	4°38	13°32	5°17	6°37	16° 6	n.a.	M 9
T 10	2 45 55	10°54'30	1♒25	23°11	11°22	25°27	14°31	16°15	4°37	4°40	13°33	5°18	6°34	16°12	n.a.	T 10
W11	2 49 51	11°55'42	14° 0	24°44	12°36	26°10	14°44	16°22	4°35	4°43	13°33	5°R18	6°31	16°19	n.a.	W11
T 12	2 53 48	12°56'55	26°17	26°17	13°51	26°54	14°57	16°28	4°32	4°45	13°33	5°17	6°27	16°26	n.a.	T 12
F 13	2 57 44	13°58'08	8♓22	27°50	15° 6	27°37	15°10	16°34	4°30	4°47	13°33	5°14	6°24	16°33	n.a.	F 13
S 14	3 1 41	14°59'21	20°19	29°22	16°21	28°21	15°23	16°41	4°27	4°49	13°33	5° 8	6°21	16°39	n.a.	S 14
S 15	3 5 38	16° 0'34	2♈11	0♐54	17°35	29° 4	15°36	16°47	4°25	4°51	13°34	5° 0	6°18	16°46	n.a.	S 15
M16	3 9 34	17° 1'48	14° 2	2°25	18°50	29°48	15°49	16°54	4°22	4°54	13°34	4°51	6°15	16°53	n.a.	M16
T 17	3 13 31	18° 3'02	25°55	3°56	20° 5	0♏32	16° 3	17° 0	4°20	4°56	13°34	4°42	6°12	16°59	n.a.	T 17
W18	3 17 27	19° 4'17	7♉52	5°26	21°20	1°15	16°16	17° 7	4°17	4°58	13°34	4°32	6° 8	17° 6	n.a.	W18
T 19	3 21 24	20° 5'31	19°54	6°55	22°34	1°59	16°29	17°13	4°15	5° 0	13°35	4°24	6° 5	17°13	n.a.	T 19
F 20	3 25 20	21° 6'46	2♊ 3	8°23	23°49	2°43	16°43	17°20	4°13	5° 3	13°35	4°18	6° 2	17°20	n.a.	F 20
S 21	3 29 17	22° 8'02	14°19	9°49	25° 4	3°27	16°56	17°27	4°10	5° 5	13°36	4°13	5°59	17°26	n.a.	S 21
S 22	3 33 13	23° 9'17	26°44	11°14	26°19	4°11	17°10	17°33	4° 8	5° 7	13°36	4°11	5°56	17°33	n.a.	S 22
M23	3 37 10	24°10'33	9♋20	12°37	27°34	4°55	17°23	17°40	4° 5	5° 9	13°36	4°D11	5°53	17°40	n.a.	M23
T 24	3 41 7	25°11'50	22° 9	13°57	28°49	5°39	17°37	17°47	4° 3	5°11	13°37	4°12	5°49	17°47	n.a.	T 24
W25	3 45 3	26°13'06	5♌12	15°15	0♏ 4	6°23	17°51	17°54	4° 1	5°13	13°37	4°14	5°46	17°53	n.a.	W25
T 26	3 49 0	27°14'23	18°34	16°29	1°19	7° 7	18° 4	18° 0	3°59	5°16	13°38	4°15	5°43	18° 0	n.a.	T 26
F 27	3 52 56	28°15'41	2♍16	17°40	2°34	7°51	18°18	18° 7	3°56	5°18	13°38	4°R16	5°40	18° 7	n.a.	F 27
S 28	3 56 53	29°16'58	16°18	18°46	3°49	8°35	18°32	18°14	3°54	5°20	13°39	4°14	5°37	18°13	n.a.	S 28
S 29	4 0 49	0♐18'16	0♎40	19°47	5° 4	9°19	18°46	18°21	3°52	5°22	13°40	4°11	5°33	18°20	n.a.	S 29
M30	4 4 46	1♐19'34	15♎20	20♐42	6♏19	10♏ 4	18♐59	18♐28	3♉50	5♏24	13♒40	4♋ 7	5♋30	18♈27	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s15	7n57	4n54	16s 5	1s24	1n34	1n47	7s12	0n22	22s46	0s 8	22s30	0n28	13n 2	0s22	11s26	1n49	31s26	15s10	23n38	23n35	1n23		n.a.
M 2	12 36	2 3	5 3	16 40	1 29	1 4	1 47	7 29	0 21	22 48	0 8	22 31	0 28	13 1	0 22	11 27	1 49	31 26	15 10	23 38	23 35	1 25		n.a.
T 3	12 57	4s 3	4 52	17 14	1 34	0 34	1 47	7 46	0 21	22 49	0 9	22 31	0 27	13 0	0 22	11 28	1 49	31 25	15 9	23 39	23 35	1 28		n.a.
W 4	13 18	9 56	4 20	17 47	1 39	0 3	1 47	8 3	0 20	22 51	0 9	22 32	0 27	12 59	0 21	11 29	1 49	31 25	15 9	23 39	23 36	1 31		n.a.
T 5	13 39	15 10	3 29	18 20	1 44	0s27	1 47	8 20	0 19	22 53	0 9	22 33	0 27	12 59	0 21	11 30	1 49	31 25	15 9	23 40	23 36	1 33		n.a.
F 6	13 59	19 22	2 26	18 52	1 48	0 57	1 46	8 37	0 19	22 54	0 9	22 34	0 27	12 58	0 21	11 30	1 49	31 24	15 8	23 40	23 36	1 36		n.a.
S 7	14 19	22 14	1 15	19 22	1 52	1 27	1 46	8 53	0 18	22 56	0 9	22 34	0 27	12 57	0 21	11 31	1 49	31 24	15 8	23 40	23 36	1 39		n.a.
S 8	14 39	23 40	0 1	19 52	1 56	1 57	1 45	9 10	0 18	22 58	0 9	22 35	0 27	12 56	0 21	11 32	1 49	31 24	15 8	23 40	23 36	1 42		n.a.
M 9	14 59	23 38	1s10	20 21	1 59	2 27	1 45	9 27	0 17	22 59	0 9	22 36	0 27	12 55	0 21	11 33	1 49	31 23	15 7	23 40	23 36	1 44		n.a.
T 10	15 18	22 19	2 16	20 48	2 2	2 58	1 44	9 43	0 16	23 1	0 9	22 37	0 27	12 54	0 21	11 33	1 49	31 23	15 7	23 40	23 37	1 47		n.a.
W11	15 38	19 55	3 12	21 14	2 5	3 28	1 44	10 0	0 16	23 2	0 9	22 37	0 27	12 53	0 21	11 34	1 49	31 23	15 7	23 40	23 37	1 50		n.a.
T 12	15 57	16 40	3 59	21 40	2 8	3 58	1 43	10 16	0 15	23 4	0 9	22 38	0 27	12 53	0 21	11 35	1 49	31 22	15 6	23 40	23 37	1 53		n.a.
F 13	16 15	12 46	4 34	22 4	2 10	4 28	1 42	10 33	0 14	23 6	0 10	22 39	0 26	12 52	0 21	11 36	1 49	31 22	15 6	23 40	23 37	1 55		n.a.
S 14	16 34	8 25	4 57	22 26	2 12	4 58	1 41	10 49	0 14	23 7	0 10	22 40	0 26	12 51	0 21	11 36	1 49	31 22	15 6	23 40	23 37	1 58		n.a.
S 15	16 52	3 47	5 6	22 47	2 13	5 28	1 40	11 6	0 13	23 9	0 10	22 40	0 26	12 50	0 21	11 37	1 49	31 21	15 5	23 41	23 37	2 1		n.a.
M16	17 9	0n58	5 3	23 7	2 14	5 57	1 39	11 22	0 13	23 10	0 10	22 41	0 26	12 49	0 21	11 38	1 49	31 21	15 5	23 41	23 37	2 4		n.a.
T 17	17 27	5 43	4 46	23 25	2 14	6 27	1 38	11 38	0 12	23 12	0 10	22 42	0 26	12 48	0 21	11 39	1 49	31 20	15 5	23 41	23 38	2 6		n.a.
W18	17 44	10 17	4 17	23 42	2 14	6 56	1 37	11 54	0 11	23 13	0 10	22 43	0 26	12 48	0 21	11 39	1 49	31 20	15 4	23 42	23 38	2 9		n.a.
T 19	18 1	14 30	3 36	23 57	2 13	7 26	1 35	12 10	0 11	23 15	0 10	22 43	0 26	12 47	0 21	11 40	1 49	31 20	15 4	23 42	23 38	2 12		n.a.
F 20	18 17	18 10	2 45	24 10	2 11	7 55	1 34	12 26	0 10	23 16	0 10	22 44	0 26	12 46	0 21	11 41	1 49	31 19	15 4	23 42	23 38	2 14		n.a.
S 21	18 33	21 5	1 46	24 22	2 9	8 24	1 33	12 42	0 9	23 18	0 10	22 45	0 26	12 45	0 21	11 42	1 49	31 19	15 3	23 42	23 38	2 17		n.a.
S 22	18 49	23 4	0 40	24 32	2 6	8 53	1 31	12 57	0 9	23 19	0 10	22 45	0 26	12 44	0 21	11 42	1 49	31 18	15 3	23 42	23 38	2 20		n.a.
M23	19 5	23 54	0n28	24 39	2 3	9 22	1 30	13 13	0 8	23 21	0 11	22 46	0 26	12 44	0 21	11 43	1 49	31 18	15 3	23 42	23 39	2 23		n.a.
T 24	19 20	23 30	1 36	24 45	1 58	9 50	1 28	13 28	0 7	23 22	0 11	22 47	0 25	12 43	0 21	11 44	1 49	31 17	15 2	23 42	23 39	2 25		n.a.
W25	19 35	21 50	2 41	24 49	1 53	10 18	1 26	13 44	0 7	23 23	0 11	22 48	0 25	12 42	0 21	11 44	1 49	31 17	15 2	23 42	23 39	2 28		n.a.
T 26	19 49	18 55	3 38	24 51	1 47	10 46	1 25	13 59	0 6	23 25	0 11	22 48	0 25	12 41	0 21	11 45	1 49	31 16	15 2	23 42	23 39	2 31		n.a.
F 27	20 3	14 55	4 25	24 51	1 40	11 14	1 23	14 14	0 5	23 26	0 11	22 49	0 25	12 41	0 21	11 46	1 49	31 16	15 1	23 42	23 39	2 34		n.a.
S 28	20 17	10 1	4 57	24 48	1 31	11 41	1 21	14 29	0 5	23 27	0 11	22 50	0 25	12 40	0 21	11 46	1 49	31 15	15 1	23 42	23 39	2 36		n.a.
S 29	20 30	4 28	5 11	24 44	1 22	12 9	1 19	14 44	0 4	23 29	0 11	22 50	0 25	12 39	0 21	11 47	1 49	31 15	15 1	23 42	23 39	2 39		n.a.
M30	20s43	1s26	5n 6	24s38	1s11	12s36	1n18	14s59	0n 3	23s30	0s11	22s51	0n25	12n38	0s21	11s48	1n49	31s15	15s 1	23n43	23n39	2n42		n.a.

Julian Day Number = 1479931.5, Delta T = 05h23m36s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'17, Lahiri = -13°05'17 Julian Calendar 1 Nov. 662 BCE == Greg. Calendar 25 Oct. 662 BCE

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ASTRODIENST EPHEMERIS for the year 662 BCE
geocentric

DECEMBER 662 BCE (-661) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 8 43	2♐20'52	0♏12	21♐30	7♏34	10♏48	19♐13	18♐35	3°R47	5♏26	13♒41	4°R 2	5♋27	18♈34	n.a.	T 1
W 2	4 12 39	3°22'10	15° 8	22°10	8°49	11°32	19°27	18°42	3♉45	5°28	13°41	3♋58	5°24	18°40	n.a.	W 2
T 3	4 16 36	4°23'28	0♐ 0	22°42	10° 4	12°16	19°41	18°49	3°43	5°30	13°42	3°54	5°21	18°47	n.a.	T 3
F 4	4 20 32	5°24'45	14°39	23° 4	11°19	13° 1	19°55	18°56	3°41	5°32	13°43	3°51	5°18	18°54	n.a.	F 4
S 5	4 24 29	6°26'03	28°59	23°16	12°34	13°45	20° 9	19° 3	3°39	5°34	13°44	3°D50	5°14	19° 0	n.a.	S 5
S 6	4 28 25	7°27'20	12♑55	23°R17	13°49	14°30	20°23	19°10	3°37	5°36	13°44	3°50	5°11	19° 7	n.a.	S 6
M 7	4 32 22	8°28'36	26°25	23° 7	15° 4	15°14	20°37	19°17	3°35	5°38	13°45	3°51	5° 8	19°14	n.a.	M 7
T 8	4 36 18	9°29'52	9♒29	22°44	16°19	15°59	20°51	19°24	3°33	5°40	13°46	3°53	5° 5	19°21	n.a.	T 8
W 9	4 40 15	10°31'07	22°11	22°10	17°34	16°43	21° 5	19°31	3°31	5°42	13°47	3°54	5° 2	19°27	n.a.	W 9
T 10	4 44 12	11°32'21	4♓33	21°25	18°49	17°28	21°19	19°38	3°29	5°44	13°47	3°55	4°59	19°34	n.a.	T 10
F 11	4 48 8	12°33'34	16°41	20°29	20° 4	18°13	21°33	19°45	3°28	5°46	13°48	3°R55	4°55	19°41	n.a.	F 11
S 12	4 52 5	13°34'46	28°38	19°25	21°19	18°57	21°47	19°52	3°26	5°48	13°49	3°55	4°52	19°48	n.a.	S 12
S 13	4 56 1	14°35'58	10♈31	18°14	22°34	19°42	22° 1	19°59	3°24	5°50	13°50	3°53	4°49	19°54	n.a.	S 13
M14	4 59 58	15°37'08	22°22	16°58	23°49	20°27	22°16	20° 7	3°22	5°52	13°51	3°50	4°46	20° 1	n.a.	M14
T 15	5 3 54	16°38'18	4♉17	15°40	25° 4	21°12	22°30	20°14	3°21	5°53	13°52	3°47	4°43	20° 8	n.a.	T 15
W16	5 7 51	17°39'27	16°17	14°22	26°19	21°57	22°44	20°21	3°19	5°55	13°53	3°45	4°39	20°14	n.a.	W16
T 17	5 11 48	18°40'34	28°27	13° 7	27°34	22°41	22°58	20°28	3°17	5°57	13°54	3°42	4°36	20°21	n.a.	T 17
F 18	5 15 44	19°41'41	10♊47	11°56	28°49	23°26	23°12	20°35	3°16	5°59	13°55	3°40	4°33	20°28	n.a.	F 18
S 19	5 19 41	20°42'47	23°18	10°51	0♐ 4	24°11	23°26	20°42	3°14	6° 1	13°56	3°40	4°30	20°35	n.a.	S 19
S 20	5 23 37	21°43'53	6♋ 2	9°54	1°19	24°56	23°41	20°49	3°13	6° 2	13°57	3°D39	4°27	20°41	n.a.	S 20
M21	5 27 34	22°44'57	18°59	9° 6	2°34	25°41	23°55	20°57	3°12	6° 4	13°58	3°40	4°24	20°48	n.a.	M21
T 22	5 31 30	23°46'01	2♌ 9	8°26	3°49	26°26	24° 9	21° 4	3°10	6° 6	13°59	3°40	4°20	20°55	n.a.	T 22
W23	5 35 27	24°47'03	15°32	7°56	5° 4	27°11	24°23	21°11	3° 9	6° 7	14° 0	3°41	4°17	21° 1	n.a.	W23
T 24	5 39 23	25°48'05	29° 7	7°34	6°19	27°57	24°37	21°18	3° 8	6° 9	14° 1	3°42	4°14	21° 8	n.a.	T 24
F 25	5 43 20	26°49'06	12♍55	7°21	7°34	28°42	24°52	21°25	3° 6	6°11	14° 2	3°43	4°11	21°15	n.a.	F 25
S 26	5 47 17	27°50'06	26°55	7°D17	8°49	29°27	25° 6	21°32	3° 5	6°12	14° 3	3°R43	4° 8	21°22	n.a.	S 26
S 27	5 51 13	28°51'05	11♎ 5	7°20	10° 4	0♐12	25°20	21°39	3° 4	6°14	14° 5	3°43	4° 4	21°28	n.a.	S 27
M28	5 55 10	29°52'04	25°25	7°31	11°19	0°57	25°34	21°46	3° 3	6°15	14° 6	3°42	4° 1	21°35	n.a.	M28
T 29	5 59 6	0♑53'01	9♏50	7°49	12°34	1°43	25°48	21°53	3° 2	6°17	14° 7	3°42	3°58	21°42	n.a.	T 29
W30	6 3 3	1°53'58	24°16	8°12	13°49	2°28	26° 3	22° 1	3° 1	6°18	14° 8	3°42	3°55	21°48	n.a.	W30
T 31	6 6 59	2♑54'53	8♐40	8♐42	15♐ 4	3♐13	26♐17	22♐ 8	3♉ 0	6♏20	14♒ 9	3♋42	3♋52	21♈55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	20s55	7s20	4n40	24s29	0s59	13s 2	1n16	15s14	0n 3	23s31	0s11	22s52	0n25	12n38	0s21	11s49	1n49	31s14	15s 0	23n43	23n40	2n45			n.a.
W 2	21 7	12 51	3 55	24 19	0 46	13 29	1 14	15 28	0 2	23 32	0 11	22 52	0 25	12 37	0 21	11 49	1 49	31 14	15 0	23 43	23 40	2 47			n.a.
T 3	21 19	17 35	2 55	24 6	0 32	13 54	1 12	15 43	0 1	23 34	0 12	22 53	0 25	12 36	0 21	11 50	1 49	31 13	15 0	23 43	23 40	2 50			n.a.
F 4	21 30	21 10	1 43	23 52	0 17	14 20	1 9	15 57	0 1	23 35	0 12	22 54	0 25	12 35	0 21	11 51	1 49	31 13	14 59	23 43	23 40	2 53			n.a.
S 5	21 41	23 20	0 27	23 36	0n 0	14 45	1 7	16 11	0 0	23 36	0 12	22 54	0 25	12 35	0 21	11 51	1 49	31 12	14 59	23 43	23 40	2 56			n.a.
S 6	21 52	23 58	0s50	23 18	0 18	15 10	1 5	16 25	0s 1	23 37	0 12	22 55	0 24	12 34	0 21	11 52	1 49	31 12	14 59	23 43	23 40	2 58			n.a.
M 7	22 2	23 9	2 1	22 59	0 36	15 35	1 3	16 39	0 1	23 38	0 12	22 56	0 24	12 33	0 21	11 52	1 49	31 11	14 58	23 43	23 40	3 1			n.a.
T 8	22 11	21 4	3 4	22 39	0 56	15 59	1 1	16 53	0 2	23 39	0 12	22 56	0 24	12 33	0 21	11 53	1 49	31 10	14 58	23 43	23 41	3 4			n.a.
W 9	22 20	18 1	3 55	22 17	1 15	16 22	0 59	17 7	0 3	23 40	0 12	22 57	0 24	12 32	0 21	11 54	1 49	31 10	14 58	23 43	23 41	3 7			n.a.
T 10	22 29	14 14	4 35	21 55	1 35	16 46	0 56	17 20	0 3	23 41	0 12	22 58	0 24	12 32	0 21	11 54	1 49	31 9	14 58	23 43	23 41	3 9			n.a.
F 11	22 37	9 56	5 1	21 32	1 54	17 8	0 54	17 34	0 4	23 42	0 12	22 58	0 24	12 31	0 21	11 55	1 49	31 9	14 57	23 43	23 41	3 12			n.a.
S 12	22 45	5 20	5 14	21 9	2 12	17 31	0 52	17 47	0 5	23 43	0 12	22 59	0 24	12 30	0 21	11 56	1 49	31 8	14 57	23 43	23 41	3 15			n.a.
S 13	22 52	0 34	5 13	20 46	2 29	17 53	0 49	18 0	0 6	23 44	0 13	23 0	0 24	12 30	0 21	11 56	1 49	31 8	14 57	23 43	23 41	3 18			n.a.
M14	22 59	4n13	4 59	20 24	2 45	18 14	0 47	18 13	0 6	23 45	0 13	23 0	0 24	12 29	0 21	11 57	1 49	31 7	14 56	23 43	23 41	3 20			n.a.
T 15	23 6	8 52	4 32	20 2	2 58	18 35	0 44	18 25	0 7	23 46	0 13	23 1	0 24	12 29	0 21	11 57	1 49	31 7	14 56	23 43	23 41	3 23			n.a.
W16	23 12	13 14	3 53	19 43	3 9	18 55	0 42	18 38	0 8	23 47	0 13	23 1	0 24	12 28	0 21	11 58	1 49	31 6	14 56	23 43	23 41	3 26			n.a.
T 17	23 17	17 8	3 3	19 25	3 18	19 15	0 39	18 50	0 8	23 48	0 13	23 2	0 24	12 28	0 21	11 58	1 49	31 6	14 56	23 43	23 42	3 29			n.a.
F 18	23 22	20 21	2 3	19 10	3 24	19 34	0 37	19 2	0 9	23 49	0 13	23 3	0 24	12 27	0 21	11 59	1 49	31 5	14 55	23 43	23 42	3 31			n.a.
S 19	23 27	22 39	0 57	18 57	3 28	19 53	0 34	19 14	0 10	23 50	0 13	23 3	0 23	12 27	0 21	12 0	1 49	31 4	14 55	23 43	23 42	3 34			n.a.
S 20	23 31	23 51	0n13	18 47	3 30	20 11	0 32	19 26	0 11	23 51	0 13	23 4	0 23	12 26	0 21	12 0	1 49	31 4	14 55	23 43	23 42	3 37			n.a.
M21	23 34	23 48	1 24	18 41	3 29	20 29	0 29	19 38	0 11	23 51	0 13	23 4	0 23	12 26	0 21	12 1	1 49	31 3	14 55	23 43	23 42	3 40			n.a.
T 22	23 38	22 25	2 31	18 37	3 27	20 46	0 27	19 49	0 12	23 52	0 14	23 5	0 23	12 25	0 21	12 1	1 49	31 3	14 54	23 43	23 42	3 42			n.a.
W23	23 40	19 46	3 32	18 36	3 23	21 3	0 24	20 1	0 13	23 53	0 14	23 5	0 23	12 25	0 21	12 2	1 50	31 2	14 54	23 43	23 42	3 45			n.a.
T 24	23 42	16 1	4 21	18 37	3 18	21 18	0 22	20 12	0 13	23 54	0 14	23 6	0 23	12 24	0 21	12 2	1 50	31 2	14 54	23 43	23 42	3 48			n.a.
F 25	23 44	11 21	4 57	18 42	3 11	21 34	0 19	20 23	0 14	23 54	0 14	23 7	0 23	12 24	0 21	12 3	1 50	31 1	14 54	23 43	23 42	3 51			n.a.
S 26	23 45	6 3	5 15	18 48	3 4	21 48	0 17	20 33	0 15	23 55	0 14	23 7	0 23	12 23	0 21	12 3	1 50	31 0	14 53	23 43	23 43	3 54			n.a.
S 27	23 46	0 22	5 14	18 57	2 56	22 2	0 14	20 44	0 16	23 55	0 14	23 8	0 23	12 23	0 21	12 4	1 50	31 0	14 53	23 43	23 43	3 56			n.a.
M28	23 46	5s24	4 55	19 7	2 47	22 16	0 12	20 54	0 16	23 56	0 14	23 8	0 23	12 23	0 21	12 4	1 50	30 59	14 53	23 43	23 43	3 59			n.a.
T 29	23 46	10 55	4 16	19 19	2 38	22 28	0 9	21 4	0 17	23 57	0 14	23 9	0 23	12 22	0 21	12 5	1 50	30 59	14 53	23 43	23 43	4 2			n.a.
W30	23 46	15 51	3 22	19 33	2 28	22 40	0 6	21 14	0 18	23 57	0 14	23 9	0 23	12 22	0 20	12 5	1 50	30 58	14 53	23 43	23 43	4 5			n.a.
T 31	23s45	19s50	2n15	19s47	2n18	22s52	0n 4	21s24	0s19	23s58	0s14	23s10	0n23	12n22	0s20	12s 5	1n50	30s58	14s52	23n43	23n43	4n 7			n.a.

Julian Day Number = 1479961.5, Delta T = 05h23m35s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'13, Lahiri = -13°05'13 Julian Calendar 1 Dec. 662 BCE == Greg. Calendar 24 Nov. 662 BCE

The year -661 astronomical counting style corresponds to year 662 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

JANUARY 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 10 56	3♑55'48	22♐55	9♐17	16♐19	3♐59	26♐31	22♐15	2°R59	6♏21	14♒11	3°D42	3♋49	22♈ 2	n.a.	F 1
S 2	6 14 52	4°56'41	6♑57	9°56	17°34	4°44	26°45	22°22	2♉58	6°23	14°12	3°R42	3°45	22° 9	n.a.	S 2
S 3	6 18 49	5°57'33	20°42	10°40	18°49	5°30	26°59	22°29	2°57	6°24	14°13	3♋42	3°42	22°15	n.a.	S 3
M 4	6 22 46	6°58'23	4♒ 7	11°28	20° 4	6°15	27°13	22°36	2°57	6°25	14°14	3°41	3°39	22°22	n.a.	M 4
T 5	6 26 42	7°59'11	17°11	12°19	21°19	7° 1	27°27	22°43	2°56	6°27	14°16	3°41	3°36	22°29	n.a.	T 5
W 6	6 30 39	8°59'58	29°56	13°14	22°34	7°46	27°41	22°50	2°55	6°28	14°17	3°40	3°33	22°36	n.a.	W 6
T 7	6 34 35	10° 0'43	12♓22	14°12	23°48	8°32	27°55	22°57	2°55	6°29	14°18	3°40	3°30	22°42	n.a.	T 7
F 8	6 38 32	11° 1'27	24°33	15°12	25° 3	9°17	28°10	23° 4	2°54	6°30	14°20	3°39	3°26	22°49	n.a.	F 8
S 9	6 42 28	12° 2'08	6♈33	16°15	26°18	10° 3	28°24	23°11	2°54	6°32	14°21	3°D39	3°23	22°56	n.a.	S 9
S 10	6 46 25	13° 2'48	18°26	17°21	27°33	10°48	28°38	23°17	2°53	6°33	14°22	3°39	3°20	23° 2	n.a.	S 10
M11	6 50 22	14° 3'26	0♉18	18°29	28°48	11°34	28°52	23°24	2°53	6°34	14°24	3°39	3°17	23° 9	n.a.	M11
T 12	6 54 18	15° 4'02	12°13	19°39	0♑ 3	12°20	29° 5	23°31	2°53	6°35	14°25	3°40	3°14	23°16	n.a.	T 12
W13	6 58 15	16° 4'36	24°16	20°50	1°18	13° 5	29°19	23°38	2°52	6°36	14°27	3°41	3°10	23°23	n.a.	W13
T 14	7 2 11	17° 5'08	6♊29	22° 4	2°32	13°51	29°33	23°45	2°52	6°37	14°28	3°42	3° 7	23°29	n.a.	T 14
F 15	7 6 8	18° 5'38	18°58	23°19	3°47	14°37	29°47	23°51	2°52	6°38	14°29	3°43	3° 4	23°36	n.a.	F 15
S 16	7 10 4	19° 6'07	1♋43	24°36	5° 2	15°23	0♑ 1	23°58	2°52	6°39	14°31	3°R44	3° 1	23°43	n.a.	S 16
S 17	7 14 1	20° 6'34	14°46	25°54	6°17	16° 8	0°15	24° 5	2°52	6°40	14°32	3°44	2°58	23°49	n.a.	S 17
M18	7 17 57	21° 6'58	28° 6	27°13	7°32	16°54	0°29	24°11	2°D52	6°41	14°34	3°42	2°55	23°56	n.a.	M18
T 19	7 21 54	22° 7'21	11♌43	28°34	8°46	17°40	0°42	24°18	2°52	6°42	14°35	3°40	2°51	24° 3	n.a.	T 19
W20	7 25 51	23° 7'43	25°34	29°57	10° 1	18°26	0°56	24°25	2°52	6°43	14°37	3°38	2°48	24°10	n.a.	W20
T 21	7 29 47	24° 8'02	9♍35	1♑20	11°16	19°12	1°10	24°31	2°52	6°44	14°38	3°35	2°45	24°16	n.a.	T 21
F 22	7 33 44	25° 8'20	23°43	2°45	12°31	19°58	1°23	24°38	2°52	6°44	14°40	3°32	2°42	24°23	n.a.	F 22
S 23	7 37 40	26° 8'36	7♎55	4°11	13°45	20°44	1°37	24°44	2°52	6°45	14°41	3°30	2°39	24°30	n.a.	S 23
S 24	7 41 37	27° 8'51	22° 7	5°39	15° 0	21°30	1°50	24°51	2°53	6°46	14°43	3°D29	2°36	24°36	n.a.	S 24
M25	7 45 33	28° 9'04	6♏18	7° 7	16°15	22°16	2° 4	24°57	2°53	6°47	14°44	3°29	2°32	24°43	n.a.	M25
T 26	7 49 30	29° 9'15	20°25	8°37	17°30	23° 2	2°17	25° 3	2°54	6°47	14°46	3°30	2°29	24°50	n.a.	T 26
W27	7 53 26	0♒ 9'25	4♐26	10° 7	18°44	23°48	2°31	25°10	2°54	6°48	14°47	3°32	2°26	24°57	n.a.	W27
T 28	7 57 23	1° 9'33	18°21	11°39	19°59	24°34	2°44	25°16	2°55	6°49	14°49	3°33	2°23	25° 3	n.a.	T 28
F 29	8 1 20	2° 9'40	2♑ 7	13°12	21°14	25°20	2°57	25°22	2°55	6°49	14°50	3°R34	2°20	25°10	n.a.	F 29
S 30	8 5 16	3° 9'44	15°42	14°46	22°28	26° 6	3°11	25°28	2°56	6°50	14°52	3°33	2°16	25°17	n.a.	S 30
S 31	8 9 13	4♒ 9'47	29♑ 5	16♑21	23♑43	26♐52	3♑24	25♐34	2♉56	6♏50	14♒53	3♋31	2♋13	25♈23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s43	22s36	0n59	20s 2	2n 8	23s 2	0n 1	21s33	0s19	23s58	0s15	23s10	0n23	12n22	0s20	12s 6	1n50	30s57	14s52	23n43	23n43	4n10		n.a.
S 2	23 41	23 53	0s18	20 19	1 58	23 12	0s 1	21 43	0 20	23 59	0 15	23 11	0 22	12 21	0 20	12 6	1 50	30 56	14 52	23 43	23 43	4 13		n.a.
S 3	23 38	23 41	1 33	20 35	1 48	23 21	0 4	21 52	0 21	23 59	0 15	23 11	0 22	12 21	0 20	12 7	1 50	30 56	14 52	23 43	23 43	4 16		n.a.
M 4	23 35	22 6	2 41	20 52	1 37	23 30	0 6	22 0	0 21	24 0	0 15	23 12	0 22	12 21	0 20	12 7	1 50	30 55	14 52	23 43	23 43	4 18		n.a.
T 5	23 32	19 22	3 39	21 9	1 27	23 38	0 9	22 9	0 22	24 0	0 15	23 12	0 22	12 21	0 20	12 8	1 50	30 55	14 51	23 43	23 43	4 21		n.a.
W 6	23 28	15 45	4 24	21 26	1 17	23 45	0 11	22 17	0 23	24 0	0 15	23 12	0 22	12 20	0 20	12 8	1 50	30 54	14 51	23 43	23 44	4 24		n.a.
T 7	23 23	11 33	4 55	21 43	1 7	23 51	0 14	22 25	0 24	24 1	0 15	23 13	0 22	12 20	0 20	12 8	1 50	30 53	14 51	23 43	23 44	4 27		n.a.
F 8	23 19	6 58	5 13	22 0	0 57	23 57	0 16	22 33	0 24	24 1	0 15	23 13	0 22	12 20	0 20	12 9	1 50	30 53	14 51	23 43	23 44	4 29		n.a.
S 9	23 13	2 12	5 16	22 16	0 47	24 2	0 18	22 41	0 25	24 1	0 16	23 14	0 22	12 20	0 20	12 9	1 50	30 52	14 51	23 43	23 44	4 32		n.a.
S 10	23 7	2n37	5 6	22 32	0 37	24 6	0 21	22 48	0 26	24 2	0 16	23 14	0 22	12 20	0 20	12 9	1 50	30 52	14 51	23 43	23 44	4 35		n.a.
M11	23 1	7 19	4 43	22 48	0 28	24 9	0 23	22 56	0 27	24 2	0 16	23 15	0 22	12 20	0 20	12 10	1 50	30 51	14 50	23 43	23 44	4 38		n.a.
T 12	22 55	11 47	4 8	23 3	0 19	24 12	0 26	23 3	0 27	24 2	0 16	23 15	0 22	12 20	0 20	12 10	1 50	30 51	14 50	23 43	23 44	4 41		n.a.
W13	22 47	15 51	3 21	23 17	0 10	24 14	0 28	23 9	0 28	24 2	0 16	23 15	0 22	12 19	0 20	12 10	1 51	30 50	14 50	23 43	23 44	4 43		n.a.
T 14	22 40	19 19	2 25	23 31	0 1	24 15	0 30	23 16	0 29	24 3	0 16	23 16	0 22	12 19	0 20	12 11	1 51	30 49	14 50	23 43	23 44	4 46		n.a.
F 15	22 32	21 58	1 21	23 44	0s 8	24 16	0 32	23 22	0 30	24 3	0 16	23 16	0 22	12 19	0 20	12 11	1 51	30 49	14 50	23 43	23 44	4 49		n.a.
S 16	22 24	23 35	0 11	23 56	0 16	24 15	0 35	23 28	0 30	24 3	0 16	23 17	0 22	12 19	0 20	12 11	1 51	30 48	14 50	23 43	23 44	4 52		n.a.
S 17	22 15	23 57	1n 1	24 7	0 24	24 14	0 37	23 34	0 31	24 3	0 16	23 17	0 21	12 19	0 20	12 11	1 51	30 48	14 50	23 43	23 44	4 54		n.a.
M18	22 5	22 58	2 11	24 17	0 32	24 12	0 39	23 39	0 32	24 3	0 17	23 17	0 21	12 19	0 20	12 12	1 51	30 47	14 49	23 43	23 45	4 57		n.a.
T 19	21 56	20 37	3 14	24 26	0 40	24 10	0 41	23 44	0 33	24 3	0 17	23 18	0 21	12 19	0 20	12 12	1 51	30 47	14 49	23 43	23 45	5 0		n.a.
W20	21 46	17 4	4 8	24 34	0 47	24 7	0 43	23 49	0 33	24 3	0 17	23 18	0 21	12 19	0 20	12 12	1 51	30 46	14 49	23 43	23 45	5 3		n.a.
T 21	21 35	12 31	4 48	24 40	0 54	24 2	0 45	23 54	0 34	24 3	0 17	23 18	0 21	12 20	0 20	12 12	1 51	30 45	14 49	23 44	23 45	5 5		n.a.
F 22	21 24	7 16	5 10	24 46	1 1	23 58	0 47	23 58	0 35	24 3	0 17	23 19	0 21	12 20	0 20	12 13	1 51	30 45	14 49	23 44	23 45	5 8		n.a.
S 23	21 13	1 37	5 14	24 50	1 7	23 52	0 49	24 2	0 36	24 3	0 17	23 19	0 21	12 20	0 20	12 13	1 51	30 44	14 49	23 44	23 45	5 11		n.a.
S 24	21 1	4s 8	4 58	24 53	1 14	23 46	0 51	24 6	0 36	24 3	0 17	23 19	0 21	12 20	0 20	12 13	1 51	30 44	14 49	23 44	23 45	5 14		n.a.
M25	20 49	9 39	4 25	24 54	1 20	23 39	0 53	24 10	0 37	24 3	0 17	23 20	0 21	12 20	0 20	12 13	1 51	30 43	14 49	23 44	23 45	5 17		n.a.
T 26	20 37	14 39	3 35	24 54	1 25	23 31	0 55	24 13	0 38	24 3	0 18	23 20	0 21	12 20	0 20	12 13	1 51	30 43	14 49	23 44	23 45	5 19		n.a.
W27	20 24	18 49	2 33	24 53	1 30	23 23	0 57	24 16	0 39	24 3	0 18	23 20	0 21	12 20	0 20	12 13	1 51	30 42	14 49	23 44	23 45	5 22		n.a.
T 28	20 11	21 53	1 23	24 50	1 35	23 14	0 58	24 19	0 39	24 3	0 18	23 20	0 21	12 21	0 20	12 14	1 51	30 42	14 49	23 44	23 45	5 25		n.a.
F 29	19 57	23 37	0 8	24 46	1 40	23 4	1 0	24 22	0 40	24 2	0 18	23 21	0 21	12 21	0 20	12 14	1 51	30 41	14 49	23 44	23 45	5 28		n.a.
S 30	19 43	23 56	1s 6	24 40	1 44	22 53	1 2	24 24	0 41	24 2	0 18	23 21	0 21	12 21	0 20	12 14	1 51	30 40	14 49	23 44	23 45	5 30		n.a.
S 31	19s29	22s50	2s15	24s33	1s48	22s42	1s 3	24s26	0s42	24s 2	0s18	23s21	0n21	12n21	0s20	12s14	1n52	30s40	14s48	23n44	23n45	5n33		n.a.

Julian Day Number = 1479992.5, Delta T = 05h23m33s
Ecliptic obliquity = 23°46'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'09, Lahiri = -13°05'09 Julian Calendar 1 Jan. 661 BCE == Greg. Calendar 25 Dec. 662 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

FEBRUARY 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 13 9	5♒ 9'48	12♒15	17♉57	24♉58	27♐38	3♉37	25♐40	2♉57	6♏51	14♒55	3°R28	2♋10	25♈30	n.a.	M 1
T 2	8 17 6	6° 9'46	25° 9	19°34	26°12	28°24	3°50	25°46	2°58	6°51	14°56	3♋22	2° 7	25°37	n.a.	T 2
W 3	8 21 2	7° 9'42	7♓47	21°13	27°27	29°10	4° 3	25°52	2°59	6°51	14°58	3°16	2° 4	25°44	n.a.	W 3
T 4	8 24 59	8° 9'36	20°11	22°52	28°42	29°56	4°16	25°58	3° 0	6°52	14°59	3°10	2° 1	25°50	n.a.	T 4
F 5	8 28 55	9° 9'28	2♈21	24°33	29°56	0♉42	4°29	26° 4	3° 1	6°52	15° 1	3° 5	1°57	25°57	n.a.	F 5
S 6	8 32 52	10° 9'17	14°22	26°15	1♒11	1°29	4°42	26°10	3° 2	6°52	15° 3	3° 0	1°54	26° 4	n.a.	S 6
S 7	8 36 48	11° 9'04	26°15	27°58	2°25	2°15	4°55	26°16	3° 3	6°53	15° 4	2°57	1°51	26°10	n.a.	S 7
M 8	8 40 45	12° 8'49	8♉ 7	29°42	3°40	3° 1	5° 8	26°22	3° 4	6°53	15° 6	2°D56	1°48	26°17	n.a.	M 8
T 9	8 44 42	13° 8'31	20° 0	1♒27	4°55	3°47	5°20	26°27	3° 5	6°53	15° 7	2°56	1°45	26°24	n.a.	T 9
W10	8 48 38	14° 8'11	2♊ 2	3°14	6° 9	4°33	5°33	26°33	3° 6	6°53	15° 9	2°57	1°42	26°31	n.a.	W10
T 11	8 52 35	15° 7'49	14°16	5° 1	7°24	5°19	5°46	26°38	3° 7	6°53	15°10	2°59	1°38	26°37	n.a.	T 11
F 12	8 56 31	16° 7'24	26°47	6°50	8°38	6° 6	5°58	26°44	3° 9	6°54	15°12	3°R 0	1°35	26°44	n.a.	F 12
S 13	9 0 28	17° 6'57	9♋39	8°41	9°53	6°52	6°10	26°49	3°10	6°54	15°14	3° 0	1°32	26°51	n.a.	S 13
S 14	9 4 24	18° 6'27	22°54	10°32	11° 7	7°38	6°23	26°55	3°11	6°R54	15°15	2°58	1°29	26°57	n.a.	S 14
M15	9 8 21	19° 5'56	6♌33	12°25	12°22	8°24	6°35	27° 0	3°13	6°54	15°17	2°54	1°26	27° 4	n.a.	M15
T 16	9 12 17	20° 5'22	20°33	14°18	13°36	9°10	6°47	27° 5	3°14	6°54	15°18	2°48	1°22	27°11	n.a.	T 16
W17	9 16 14	21° 4'45	4♍51	16°13	14°50	9°57	6°59	27°10	3°16	6°54	15°20	2°41	1°19	27°17	n.a.	W17
T 18	9 20 11	22° 4'07	19°22	18°10	16° 5	10°43	7°12	27°15	3°17	6°53	15°21	2°33	1°16	27°24	n.a.	T 18
F 19	9 24 7	23° 3'26	3♎58	20° 7	17°19	11°29	7°23	27°20	3°19	6°53	15°23	2°25	1°13	27°31	n.a.	F 19
S 20	9 28 4	24° 2'44	18°32	22° 6	18°34	12°15	7°35	27°25	3°21	6°53	15°24	2°19	1°10	27°38	n.a.	S 20
S 21	9 32 0	25° 2'00	3♏ 0	24° 5	19°48	13° 2	7°47	27°30	3°22	6°53	15°26	2°15	1° 7	27°44	n.a.	S 21
M22	9 35 57	26° 1'13	17°16	26° 6	21° 2	13°48	7°59	27°35	3°24	6°53	15°28	2°13	1° 3	27°51	n.a.	M22
T 23	9 39 53	27° 0'25	1♐18	28° 7	22°17	14°34	8°11	27°40	3°26	6°52	15°29	2°D12	1° 0	27°58	n.a.	T 23
W24	9 43 50	27°59'36	15° 7	0♓ 9	23°31	15°20	8°22	27°45	3°28	6°52	15°31	2°13	0°57	28° 4	n.a.	W24
T 25	9 47 46	28°58'44	28°43	2°12	24°46	16° 7	8°34	27°49	3°30	6°52	15°32	2°R14	0°54	28°11	n.a.	T 25
F 26	9 51 43	29°57'51	12♉ 6	4°15	26° 0	16°53	8°45	27°54	3°32	6°51	15°34	2°14	0°51	28°18	n.a.	F 26
S 27	9 55 39	0♓56'55	25°17	6°19	27°14	17°39	8°56	27°58	3°34	6°51	15°35	2°11	0°48	28°25	n.a.	S 27
S 28	9 59 36	1°55'58	8♒16	8°22	28°29	18°25	9° 8	28° 3	3°36	6°51	15°37	2° 6	0°44	28°31	n.a.	S 28
M29	10 3 33	2♓54'58	21♒ 5	10♓25	29♒43	19♉11	9♉19	28♐ 7	3♉38	6♏50	15♒38	1♋58	0♋41	28♈38	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s15	20s29	3s16	24s24	1s52	22s30	1s 5	24s28	0s42	24s 2	0s18	23s22	0n21	12n22	0s20	12s14	1n52	30s39	14s48	23n44	23n45	5n36		n.a.
T 2	19 0	17 9	4 5	24 13	1 55	22 18	1 7	24 29	0 43	24 2	0 19	23 22	0 21	12 22	0 20	12 14	1 52	30 39	14 48	23 44	23 45	5 39		n.a.
W 3	18 44	13 6	4 41	24 1	1 58	22 4	1 8	24 30	0 44	24 1	0 19	23 22	0 21	12 22	0 20	12 14	1 52	30 38	14 48	23 44	23 46	5 41		n.a.
T 4	18 29	8 34	5 3	23 47	2 0	21 50	1 9	24 31	0 45	24 1	0 19	23 22	0 20	12 23	0 20	12 14	1 52	30 38	14 48	23 44	23 46	5 44		n.a.
F 5	18 13	3 47	5 11	23 31	2 2	21 36	1 11	24 32	0 45	24 1	0 19	23 23	0 20	12 23	0 20	12 14	1 52	30 37	14 48	23 44	23 46	5 47		n.a.
S 6	17 57	1n 4	5 5	23 13	2 4	21 21	1 12	24 32	0 46	24 0	0 19	23 23	0 20	12 23	0 20	12 14	1 52	30 37	14 48	23 44	23 46	5 50		n.a.
S 7	17 40	5 50	4 46	22 54	2 5	21 5	1 13	24 32	0 47	24 0	0 19	23 23	0 20	12 24	0 19	12 14	1 52	30 36	14 48	23 44	23 46	5 53		n.a.
M 8	17 23	10 24	4 14	22 33	2 6	20 49	1 14	24 32	0 48	24 0	0 19	23 23	0 20	12 24	0 19	12 14	1 52	30 36	14 48	23 45	23 46	5 55		n.a.
T 9	17 6	14 35	3 32	22 9	2 6	20 32	1 16	24 32	0 48	23 59	0 20	23 23	0 20	12 24	0 19	12 14	1 52	30 35	14 48	23 45	23 46	5 58		n.a.
W10	16 49	18 15	2 40	21 45	2 6	20 14	1 17	24 31	0 49	23 59	0 20	23 24	0 20	12 25	0 19	12 14	1 52	30 35	14 48	23 44	23 46	6 1		n.a.
T 11	16 31	21 11	1 40	21 18	2 5	19 56	1 18	24 30	0 50	23 59	0 20	23 24	0 20	12 25	0 19	12 14	1 52	30 34	14 48	23 44	23 46	6 4		n.a.
F 12	16 14	23 10	0 34	20 49	2 4	19 37	1 19	24 28	0 51	23 58	0 20	23 24	0 20	12 26	0 19	12 14	1 52	30 34	14 48	23 44	23 46	6 6		n.a.
S 13	15 55	24 1	0n36	20 18	2 2	19 18	1 19	24 27	0 51	23 58	0 20	23 24	0 20	12 26	0 19	12 14	1 52	30 33	14 48	23 44	23 46	6 9		n.a.
S 14	15 37	23 32	1 45	19 46	2 0	18 58	1 20	24 25	0 52	23 57	0 20	23 24	0 20	12 27	0 19	12 14	1 52	30 33	14 48	23 44	23 46	6 12		n.a.
M15	15 18	21 39	2 51	19 11	1 57	18 37	1 21	24 23	0 53	23 57	0 20	23 25	0 20	12 27	0 19	12 14	1 52	30 32	14 48	23 45	23 46	6 15		n.a.
T 16	14 59	18 26	3 48	18 35	1 54	18 17	1 22	24 20	0 53	23 56	0 21	23 25	0 20	12 28	0 19	12 14	1 52	30 32	14 48	23 45	23 46	6 18		n.a.
W17	14 40	14 4	4 32	17 57	1 50	17 55	1 22	24 18	0 54	23 56	0 21	23 25	0 20	12 28	0 19	12 14	1 53	30 32	14 49	23 45	23 46	6 20		n.a.
T 18	14 21	8 50	4 59	17 17	1 46	17 33	1 23	24 15	0 55	23 55	0 21	23 25	0 20	12 29	0 19	12 14	1 53	30 31	14 49	23 45	23 46	6 23		n.a.
F 19	14 1	3 5	5 7	16 35	1 41	17 11	1 23	24 12	0 56	23 55	0 21	23 25	0 20	12 30	0 19	12 14	1 53	30 31	14 49	23 45	23 46	6 26		n.a.
S 20	13 42	2s50	4 55	15 51	1 36	16 48	1 24	24 8	0 56	23 54	0 21	23 25	0 20	12 30	0 19	12 14	1 53	30 30	14 49	23 45	23 46	6 29		n.a.
S 21	13 21	8 33	4 24	15 5	1 30	16 25	1 24	24 4	0 57	23 54	0 21	23 26	0 20	12 31	0 19	12 14	1 53	30 30	14 49	23 45	23 46	6 31		n.a.
M22	13 1	13 45	3 37	14 18	1 23	16 1	1 25	24 0	0 58	23 53	0 21	23 26	0 19	12 31	0 19	12 14	1 53	30 29	14 49	23 45	23 46	6 34		n.a.
T 23	12 41	18 8	2 38	13 29	1 16	15 37	1 25	23 56	0 58	23 53	0 22	23 26	0 19	12 32	0 19	12 13	1 53	30 29	14 49	23 45	23 46	6 37		n.a.
W24	12 20	21 26	1 30	12 38	1 8	15 12	1 25	23 52	0 59	23 52	0 22	23 26	0 19	12 33	0 19	12 13	1 53	30 29	14 49	23 45	23 46	6 40		n.a.
T 25	11 59	23 27	0 19	11 46	1 0	14 47	1 25	23 47	1 0	23 52	0 22	23 26	0 19	12 33	0 19	12 13	1 53	30 28	14 49	23 45	23 46	6 42		n.a.
F 26	11 38	24 5	0s53	10 52	0 51	14 22	1 25	23 42	1 1	23 51	0 22	23 26	0 19	12 34	0 19	12 13	1 53	30 28	14 49	23 45	23 46	6 45		n.a.
S 27	11 17	23 21	2 0	9 58	0 42	13 56	1 25	23 36	1 1	23 50	0 22	23 26	0 19	12 35	0 19	12 13	1 53	30 27	14 49	23 45	23 46	6 48		n.a.
S 28	10 56	21 21	3 0	9 2	0 32	13 30	1 25	23 31	1 2	23 50	0 22	23 26	0 19	12 36	0 19	12 13	1 53	30 27	14 49	23 45	23 46	6 51		n.a.
M29	10s35	18s17	3s50	8s 6	0s21	13s 3	1s25	23s25	1s 3	23s49	0s23	23s27	0n19	12n36	0s19	12s12	1n53	30s27	14s50	23n46	23n46	6n54		n.a.

Julian Day Number = 1480023.5, Delta T = 05h23m32s
Ecliptic obliquity = 23°46'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'05, Lahiri = -13°05'04 Julian Calendar 1 Feb. 661 BCE == Greg. Calendar 25 Jan. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

MARCH 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 7 29	3♓53'56	3♓42	12♓28	0♓57	19♑58	9♑30	28♐11	3♉40	6°R50	15♒40	1°R49	0♋38	28♈45	n.a.	T 1
W 2	10 11 26	4°52'52	16° 8	14°30	2°11	20°44	9°41	28°15	3°42	6♏49	15°41	1♋37	0°35	28°51	n.a.	W 2
T 3	10 15 22	5°51'46	28°24	16°30	3°26	21°30	9°52	28°20	3°44	6°49	15°43	1°25	0°32	28°58	n.a.	T 3
F 4	10 19 19	6°50'38	10♈29	18°29	4°40	22°16	10° 2	28°24	3°46	6°48	15°44	1°14	0°28	29° 5	n.a.	F 4
S 5	10 23 15	7°49'27	22°27	20°26	5°54	23° 2	10°13	28°27	3°49	6°47	15°46	1° 4	0°25	29°12	n.a.	S 5
S 6	10 27 12	8°48'14	4♉19	22°21	7° 8	23°49	10°24	28°31	3°51	6°47	15°47	0°56	0°22	29°18	n.a.	S 6
M 7	10 31 8	9°46'59	16° 8	24°13	8°23	24°35	10°34	28°35	3°53	6°46	15°49	0°51	0°19	29°25	n.a.	M 7
T 8	10 35 5	10°45'41	28° 0	26° 2	9°37	25°21	10°44	28°39	3°56	6°45	15°50	0°48	0°16	29°32	n.a.	T 8
W 9	10 39 2	11°44'21	10♊ 0	27°48	10°51	26° 7	10°54	28°42	3°58	6°45	15°51	0°D47	0°13	29°38	n.a.	W 9
T 10	10 42 58	12°42'59	22°11	29°30	12° 5	26°53	11° 5	28°46	4° 1	6°44	15°53	0°47	0° 9	29°45	n.a.	T 10
F 11	10 46 55	13°41'35	4♋40	1♈ 8	13°19	27°39	11°15	28°49	4° 3	6°43	15°54	0°R48	0° 6	29°52	n.a.	F 11
S 12	10 50 51	14°40'08	17°32	2°42	14°33	28°25	11°24	28°53	4° 6	6°42	15°56	0°47	0° 3	29°58	n.a.	S 12
S 13	10 54 48	15°38'39	0♌50	4°12	15°47	29°11	11°34	28°56	4° 8	6°41	15°57	0°43	29♊59	0♉ 5	n.a.	S 13
M14	10 58 44	16°37'08	14°35	5°37	17° 2	29°58	11°44	28°59	4°11	6°41	15°58	0°38	29°57	0°12	n.a.	M14
T 15	11 2 41	17°35'34	28°49	6°57	18°16	0♒44	11°53	29° 2	4°13	6°40	16° 0	0°30	29°53	0°19	n.a.	T 15
W16	11 6 37	18°33'58	13♍26	8°12	19°30	1°30	12° 3	29° 5	4°16	6°39	16° 1	0°19	29°50	0°25	n.a.	W16
T 17	11 10 34	19°32'20	28°19	9°22	20°44	2°16	12°12	29° 8	4°19	6°38	16° 3	0° 8	29°47	0°32	n.a.	T 17
F 18	11 14 30	20°30'41	13♎20	10°27	21°58	3° 2	12°21	29°11	4°21	6°37	16° 4	29♊58	29°44	0°39	n.a.	F 18
S 19	11 18 27	21°28'59	28°19	11°27	23°12	3°48	12°30	29°14	4°24	6°36	16° 5	29°49	29°41	0°45	n.a.	S 19
S 20	11 22 24	22°27'16	13♏ 7	12°21	24°26	4°34	12°39	29°17	4°27	6°35	16° 6	29°42	29°38	0°52	n.a.	S 20
M21	11 26 20	23°25'31	27°38	13°10	25°40	5°19	12°48	29°19	4°30	6°34	16° 8	29°38	29°34	0°59	n.a.	M21
T 22	11 30 17	24°23'44	11♐49	13°53	26°54	6° 5	12°57	29°22	4°33	6°33	16° 9	29°36	29°31	1° 5	n.a.	T 22
W23	11 34 13	25°21'57	25°38	14°31	28° 8	6°51	13° 6	29°24	4°36	6°32	16°10	29°36	29°28	1°12	n.a.	W23
T 24	11 38 10	26°20'07	9♑ 7	15° 4	29°22	7°37	13°14	29°26	4°39	6°31	16°12	29°36	29°25	1°19	n.a.	T 24
F 25	11 42 6	27°18'16	22°18	15°30	0♈36	8°23	13°22	29°28	4°41	6°29	16°13	29°35	29°22	1°26	n.a.	F 25
S 26	11 46 3	28°16'23	5♒13	15°51	1°50	9° 9	13°30	29°31	4°44	6°28	16°14	29°31	29°19	1°32	n.a.	S 26
S 27	11 49 59	29°14'29	17°55	16° 7	3° 4	9°55	13°38	29°33	4°47	6°27	16°15	29°25	29°15	1°39	n.a.	S 27
M28	11 53 56	0♈12'33	0♓26	16°16	4°18	10°40	13°46	29°35	4°50	6°26	16°16	29°16	29°12	1°46	n.a.	M28
T 29	11 57 53	1°10'35	12°48	16°R21	5°31	11°26	13°54	29°36	4°53	6°25	16°18	29° 4	29° 9	1°52	n.a.	T 29
W30	12 1 49	2° 8'36	25° 0	16°20	6°45	12°12	14° 2	29°38	4°57	6°23	16°19	28°51	29° 6	1°59	n.a.	W30
T 31	12 5 46	3♈ 6'35	7♈ 6	16♈14	7♈59	12♒58	14♑ 9	29♐40	5♉ 0	6♏22	16♒20	28♊37	29♊ 3	2♉ 6	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10s13	14s26	4s28	7s 8	0s11	12s37	1s25	23s19	1s 3	23s48	0s23	23s27	0n19	12n37	0s19	12s12	1n53	30s26	14s50	23n46	23n46	6n56		n.a.
W 2	9 51	10 1	4 52	6 11	0n 0	12 9	1 25	23 12	1 4	23 48	0 23	23 27	0 19	12 38	0 19	12 12	1 53	30 26	14 50	23 46	23 46	6 59		n.a.
T 3	9 29	5 15	5 2	5 13	0 12	11 42	1 24	23 6	1 5	23 47	0 23	23 27	0 19	12 39	0 19	12 12	1 53	30 25	14 50	23 46	23 46	7 2		n.a.
F 4	9 7	0 22	4 59	4 15	0 23	11 14	1 24	22 59	1 5	23 47	0 23	23 27	0 19	12 39	0 19	12 11	1 53	30 25	14 50	23 46	23 46	7 5		n.a.
S 5	8 45	4n30	4 42	3 18	0 35	10 46	1 24	22 52	1 6	23 46	0 23	23 27	0 19	12 40	0 19	12 11	1 53	30 25	14 50	23 46	23 46	7 7		n.a.
S 6	8 23	9 10	4 13	2 22	0 47	10 18	1 23	22 44	1 7	23 45	0 24	23 27	0 19	12 41	0 19	12 11	1 54	30 24	14 50	23 46	23 46	7 10		n.a.
M 7	8 1	13 29	3 34	1 26	0 59	9 49	1 23	22 37	1 7	23 45	0 24	23 27	0 19	12 42	0 19	12 11	1 54	30 24	14 51	23 46	23 46	7 13		n.a.
T 8	7 38	17 19	2 45	0 31	1 10	9 20	1 22	22 29	1 8	23 44	0 24	23 27	0 19	12 43	0 19	12 10	1 54	30 24	14 51	23 46	23 46	7 16		n.a.
W 9	7 15	20 29	1 48	0n22	1 22	8 51	1 21	22 21	1 9	23 43	0 24	23 27	0 19	12 43	0 19	12 10	1 54	30 23	14 51	23 46	23 46	7 18		n.a.
T 10	6 53	22 47	0 46	1 13	1 33	8 22	1 21	22 12	1 9	23 43	0 24	23 28	0 19	12 44	0 19	12 10	1 54	30 23	14 51	23 46	23 46	7 21		n.a.
F 11	6 30	24 2	0n21	2 3	1 44	7 52	1 20	22 4	1 10	23 42	0 24	23 28	0 19	12 45	0 19	12 10	1 54	30 23	14 51	23 46	23 46	7 24		n.a.
S 12	6 7	24 3	1 28	2 50	1 55	7 22	1 19	21 55	1 11	23 41	0 25	23 28	0 19	12 46	0 19	12 9	1 54	30 23	14 51	23 46	23 46	7 27		n.a.
S 13	5 44	22 43	2 32	3 36	2 5	6 52	1 18	21 46	1 11	23 41	0 25	23 28	0 18	12 47	0 19	12 9	1 54	30 22	14 52	23 46	23 47	7 30		n.a.
M14	5 21	20 1	3 30	4 18	2 14	6 22	1 17	21 37	1 12	23 40	0 25	23 28	0 18	12 48	0 19	12 9	1 54	30 22	14 52	23 46	23 47	7 32		n.a.
T 15	4 58	16 3	4 17	4 59	2 23	5 52	1 16	21 27	1 12	23 39	0 25	23 28	0 18	12 49	0 19	12 8	1 54	30 22	14 52	23 46	23 46	7 35		n.a.
W16	4 35	11 1	4 48	5 36	2 31	5 22	1 15	21 18	1 13	23 38	0 25	23 28	0 18	12 50	0 19	12 8	1 54	30 22	14 52	23 46	23 46	7 38		n.a.
T 17	4 12	5 16	5 1	6 11	2 39	4 51	1 14	21 8	1 14	23 38	0 26	23 28	0 18	12 51	0 19	12 8	1 54	30 21	14 52	23 46	23 46	7 41		n.a.
F 18	3 49	0s51	4 53	6 43	2 45	4 20	1 13	20 57	1 14	23 37	0 26	23 28	0 18	12 52	0 19	12 7	1 54	30 21	14 53	23 47	23 46	7 43		n.a.
S 19	3 25	6 54	4 25	7 12	2 51	3 50	1 11	20 47	1 15	23 36	0 26	23 28	0 18	12 53	0 19	12 7	1 54	30 21	14 53	23 46	23 46	7 46		n.a.
S 20	3 2	12 31	3 39	7 38	2 56	3 19	1 10	20 37	1 15	23 36	0 26	23 28	0 18	12 54	0 19	12 6	1 54	30 21	14 53	23 46	23 46	7 49		n.a.
M21	2 39	17 18	2 40	8 1	2 59	2 48	1 9	20 26	1 16	23 35	0 26	23 28	0 18	12 55	0 19	12 6	1 54	30 20	14 53	23 46	23 46	7 52		n.a.
T 22	2 15	20 59	1 33	8 21	3 2	2 17	1 7	20 15	1 17	23 34	0 27	23 28	0 18	12 56	0 18	12 6	1 54	30 20	14 53	23 46	23 46	7 54		n.a.
W23	1 52	23 21	0 21	8 37	3 4	1 45	1 6	20 4	1 17	23 34	0 27	23 28	0 18	12 57	0 18	12 5	1 54	30 20	14 54	23 46	23 46	7 57		n.a.
T 24	1 29	24 17	0s50	8 50	3 5	1 14	1 4	19 52	1 18	23 33	0 27	23 29	0 18	12 58	0 18	12 5	1 54	30 20	14 54	23 46	23 46	8 0		n.a.
F 25	1 5	23 49	1 57	9 0	3 4	0 43	1 3	19 41	1 18	23 33	0 27	23 29	0 18	12 59	0 18	12 4	1 54	30 20	14 54	23 46	23 46	8 3		n.a.
S 26	0 42	22 4	2 56	9 7	3 2	0 12	1 1	19 29	1 19	23 32	0 27	23 29	0 18	13 0	0 18	12 4	1 54	30 19	14 54	23 46	23 46	8 6		n.a.
S 27	0 18	19 15	3 46	9 10	2 59	0n20	0 59	19 17	1 19	23 31	0 27	23 29	0 18	13 1	0 18	12 4	1 54	30 19	14 55	23 46	23 46	8 8		n.a.
M28	0n 5	15 34	4 23	9 10	2 55	0 51	0 58	19 5	1 20	23 31	0 28	23 29	0 18	13 2	0 18	12 3	1 54	30 19	14 55	23 46	23 46	8 11		n.a.
T 29	0 28	11 16	4 48	9 7	2 50	1 22	0 56	18 53	1 20	23 30	0 28	23 29	0 18	13 3	0 18	12 3	1 55	30 19	14 55	23 46	23 46	8 14		n.a.
W30	0 52	6 34	4 59	9 1	2 43	1 53	0 54	18 40	1 21	23 29	0 28	23 29	0 18	13 4	0 18	12 2	1 55	30 19	14 55	23 46	23 46	8 17		n.a.
T 31	1n15	1s40	4s56	8n51	2n35	2n25	0s52	18s28	1s22	23s29	0s28	23s29	0n18	13n 5	0s18	12s 2	1n55	30s19	14s56	23n46	23n46	8n19		n.a.

Julian Day Number = 1480052.5, Delta T = 05h23m30s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°12'01, Lahiri = -13°05'00 Julian Calendar 1 March 661 BCE == Greg. Calendar 23 Feb. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

APRIL 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 9 42	4♈ 4'32	19♈ 4	16°R 3	9♈13	13♒43	14♑17	29♐41	5♉ 3	6°R21	16♒21	28°R24	28♊59	2♉12	n.a.	F 1
S 2	12 13 39	5° 2'27	0♉57	15♈48	10°27	14°29	14°24	29°43	5° 6	6♏20	16°22	28♊12	28°56	2°19	n.a.	S 2
S 3	12 17 35	6° 0'21	12°47	15°28	11°41	15°14	14°31	29°44	5° 9	6°18	16°23	28° 2	28°53	2°26	n.a.	S 3
M 4	12 21 32	6°58'13	24°36	15° 4	12°55	16° 0	14°38	29°45	5°12	6°17	16°24	27°56	28°50	2°33	n.a.	M 4
T 5	12 25 28	7°56'03	6♊27	14°37	14° 8	16°45	14°44	29°46	5°15	6°15	16°25	27°52	28°47	2°39	n.a.	T 5
W 6	12 29 25	8°53'51	18°26	14° 7	15°22	17°31	14°51	29°48	5°19	6°14	16°27	27°50	28°44	2°46	n.a.	W 6
T 7	12 33 21	9°51'38	0♋35	13°35	16°36	18°16	14°57	29°49	5°22	6°13	16°28	27°D50	28°40	2°53	n.a.	T 7
F 8	12 37 18	10°49'23	13° 2	13° 1	17°50	19° 2	15° 4	29°49	5°25	6°11	16°29	27°R50	28°37	2°59	n.a.	F 8
S 9	12 41 15	11°47'06	25°50	12°25	19° 4	19°47	15°10	29°50	5°29	6°10	16°30	27°49	28°34	3° 6	n.a.	S 9
S 10	12 45 11	12°44'47	9♌ 4	11°49	20°17	20°32	15°16	29°51	5°32	6° 8	16°31	27°47	28°31	3°13	n.a.	S 10
M11	12 49 8	13°42'26	22°48	11°14	21°31	21°18	15°22	29°51	5°35	6° 7	16°32	27°42	28°28	3°19	n.a.	M11
T 12	12 53 4	14°40'04	7♍ 1	10°39	22°45	22° 3	15°27	29°52	5°38	6° 6	16°32	27°35	28°25	3°26	n.a.	T 12
W13	12 57 1	15°37'40	21°42	10° 5	23°58	22°48	15°33	29°52	5°42	6° 4	16°33	27°26	28°21	3°33	n.a.	W13
T 14	13 0 57	16°35'14	6♎44	9°33	25°12	23°33	15°38	29°53	5°45	6° 3	16°34	27°16	28°18	3°40	n.a.	T 14
F 15	13 4 54	17°32'47	21°58	9° 3	26°26	24°18	15°43	29°53	5°49	6° 1	16°35	27° 6	28°15	3°46	n.a.	F 15
S 16	13 8 50	18°30'19	7♏13	8°36	27°39	25° 3	15°48	29°R53	5°52	6° 0	16°36	26°58	28°12	3°53	n.a.	S 16
S 17	13 12 47	19°27'50	22°18	8°13	28°53	25°48	15°53	29°53	5°55	5°58	16°37	26°51	28° 9	4° 0	n.a.	S 17
M18	13 16 44	20°25'19	7♐ 6	7°53	0♉ 7	26°33	15°58	29°53	5°59	5°56	16°38	26°48	28° 5	4° 6	n.a.	M18
T 19	13 20 40	21°22'48	21°30	7°37	1°20	27°18	16° 2	29°52	6° 2	5°55	16°38	26°D46	28° 2	4°13	n.a.	T 19
W20	13 24 37	22°20'16	5♑28	7°25	2°34	28° 3	16° 7	29°52	6° 6	5°53	16°39	26°46	27°59	4°20	n.a.	W20
T 21	13 28 33	23°17'42	19° 1	7°18	3°47	28°48	16°11	29°52	6° 9	5°52	16°40	26°R47	27°56	4°26	n.a.	T 21
F 22	13 32 30	24°15'08	2♒11	7°D15	5° 1	29°33	16°15	29°51	6°13	5°50	16°41	26°47	27°53	4°33	n.a.	F 22
S 23	13 36 26	25°12'33	15° 0	7°16	6°15	0♓18	16°18	29°51	6°16	5°49	16°42	26°45	27°50	4°40	n.a.	S 23
S 24	13 40 23	26° 9'57	27°34	7°22	7°28	1° 2	16°22	29°50	6°20	5°47	16°42	26°41	27°46	4°47	n.a.	S 24
M25	13 44 19	27° 7'21	9♓54	7°32	8°42	1°47	16°25	29°49	6°23	5°45	16°43	26°34	27°43	4°53	n.a.	M25
T 26	13 48 16	28° 4'43	22° 4	7°47	9°55	2°32	16°29	29°48	6°27	5°44	16°44	26°26	27°40	5° 0	n.a.	T 26
W27	13 52 13	29° 2'04	4♈ 7	8° 6	11° 9	3°16	16°32	29°47	6°30	5°42	16°44	26°15	27°37	5° 7	n.a.	W27
T 28	13 56 9	29°59'25	16° 4	8°30	12°22	4° 1	16°35	29°46	6°34	5°41	16°45	26° 5	27°34	5°13	n.a.	T 28
F 29	14 0 6	0♉56'45	27°56	8°58	13°36	4°45	16°37	29°45	6°37	5°39	16°45	25°54	27°30	5°20	n.a.	F 29
S 30	14 4 2	1♉54'03	9♉47	9♈30	14♉49	5♓29	16♑40	29♐44	6♉41	5♏37	16♒46	25♊45	27♊27	5♉27	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n39	3n15	4s41	8n38	2n26	2n56	0s50	18s15	1s22	23s28	0s29	23s29	0n17	13n 6	0s18	12s 1	1n55	30s19	14s56	23n46	23n46	8n22		n.a.
S 2	2 2	8 1	4 13	8 23	2 15	3 27	0 49	18 2	1 23	23 28	0 29	23 29	0 17	13 7	0 18	12 1	1 55	30 19	14 56	23 46	23 46	8 25		n.a.
S 3	2 25	12 30	3 34	8 4	2 4	3 58	0 47	17 49	1 23	23 27	0 29	23 29	0 17	13 8	0 18	12 0	1 55	30 18	14 57	23 46	23 46	8 28		n.a.
M 4	2 48	16 30	2 46	7 43	1 51	4 29	0 45	17 35	1 24	23 27	0 29	23 29	0 17	13 9	0 18	12 0	1 55	30 18	14 57	23 46	23 46	8 30		n.a.
T 5	3 11	19 52	1 51	7 20	1 38	5 0	0 43	17 22	1 24	23 26	0 29	23 29	0 17	13 10	0 18	11 59	1 55	30 18	14 57	23 45	23 46	8 33		n.a.
W 6	3 35	22 26	0 50	6 55	1 23	5 31	0 41	17 8	1 25	23 25	0 30	23 29	0 17	13 11	0 18	11 59	1 55	30 18	14 57	23 45	23 46	8 36		n.a.
T 7	3 58	24 1	0n15	6 28	1 8	6 1	0 38	16 55	1 25	23 25	0 30	23 29	0 17	13 12	0 18	11 59	1 55	30 18	14 58	23 45	23 46	8 39		n.a.
F 8	4 20	24 27	1 20	6 0	0 52	6 32	0 36	16 41	1 25	23 24	0 30	23 29	0 17	13 14	0 18	11 58	1 55	30 18	14 58	23 45	23 46	8 41		n.a.
S 9	4 43	23 37	2 23	5 31	0 35	7 2	0 34	16 27	1 26	23 24	0 30	23 29	0 17	13 15	0 18	11 58	1 55	30 18	14 58	23 45	23 46	8 44		n.a.
S 10	5 6	21 27	3 20	5 1	0 18	7 33	0 32	16 13	1 26	23 23	0 30	23 30	0 17	13 16	0 18	11 57	1 55	30 18	14 59	23 45	23 46	8 47		n.a.
M11	5 29	18 1	4 8	4 31	0 1	8 3	0 30	15 58	1 27	23 23	0 31	23 30	0 17	13 17	0 18	11 57	1 55	30 18	14 59	23 45	23 46	8 50		n.a.
T 12	5 52	13 25	4 43	4 2	0s16	8 33	0 28	15 44	1 27	23 23	0 31	23 30	0 17	13 18	0 18	11 56	1 55	30 18	14 59	23 45	23 46	8 52		n.a.
W13	6 14	7 56	5 1	3 33	0 33	9 2	0 25	15 29	1 28	23 22	0 31	23 30	0 17	13 19	0 18	11 55	1 55	30 18	15 0	23 45	23 46	8 55		n.a.
T 14	6 37	1 51	4 58	3 5	0 49	9 32	0 23	15 14	1 28	23 22	0 31	23 30	0 17	13 20	0 18	11 55	1 55	30 18	15 0	23 45	23 46	8 58		n.a.
F 15	6 59	4s26	4 34	2 38	1 6	10 1	0 21	15 0	1 29	23 21	0 32	23 30	0 17	13 22	0 18	11 54	1 55	30 18	15 0	23 45	23 46	9 1		n.a.
S 16	7 21	10 28	3 51	2 13	1 21	10 30	0 18	14 45	1 29	23 21	0 32	23 30	0 17	13 23	0 18	11 54	1 55	30 18	15 1	23 44	23 46	9 3		n.a.
S 17	7 43	15 50	2 52	1 50	1 36	10 59	0 16	14 30	1 29	23 21	0 32	23 30	0 17	13 24	0 18	11 53	1 55	30 18	15 1	23 44	23 46	9 6		n.a.
M18	8 5	20 7	1 43	1 29	1 51	11 27	0 14	14 14	1 30	23 20	0 32	23 30	0 17	13 25	0 18	11 53	1 55	30 18	15 1	23 44	23 46	9 9		n.a.
T 19	8 27	23 2	0 28	1 10	2 4	11 56	0 11	13 59	1 30	23 20	0 32	23 30	0 16	13 26	0 18	11 52	1 55	30 18	15 1	23 44	23 46	9 12		n.a.
W20	8 49	24 26	0s46	0 54	2 17	12 24	0 9	13 44	1 31	23 20	0 33	23 30	0 16	13 27	0 18	11 52	1 55	30 18	15 2	23 44	23 46	9 14		n.a.
T 21	9 10	24 19	1 56	0 40	2 28	12 51	0 6	13 28	1 31	23 19	0 33	23 30	0 16	13 29	0 18	11 51	1 55	30 18	15 2	23 44	23 46	9 17		n.a.
F 22	9 32	22 49	2 57	0 29	2 39	13 19	0 4	13 13	1 31	23 19	0 33	23 30	0 16	13 30	0 18	11 51	1 55	30 18	15 3	23 44	23 45	9 20		n.a.
S 23	9 53	20 11	3 48	0 21	2 48	13 46	0 2	12 57	1 32	23 19	0 33	23 30	0 16	13 31	0 18	11 50	1 55	30 18	15 3	23 44	23 45	9 23		n.a.
S 24	10 14	16 39	4 26	0 16	2 57	14 13	0n 1	12 41	1 32	23 19	0 34	23 30	0 16	13 32	0 18	11 50	1 55	30 19	15 3	23 44	23 45	9 25		n.a.
M25	10 35	12 27	4 52	0 13	3 4	14 39	0 3	12 25	1 32	23 19	0 34	23 30	0 16	13 33	0 18	11 49	1 55	30 19	15 4	23 44	23 45	9 28		n.a.
T 26	10 56	7 49	5 3	0 13	3 11	15 5	0 6	12 9	1 33	23 18	0 34	23 30	0 16	13 34	0 18	11 49	1 55	30 19	15 4	23 44	23 45	9 31		n.a.
W27	11 17	2 56	5 1	0 16	3 16	15 31	0 8	11 53	1 33	23 18	0 34	23 31	0 16	13 36	0 18	11 48	1 55	30 19	15 4	23 43	23 45	9 34		n.a.
T 28	11 38	2n 0	4 46	0 21	3 20	15 56	0 11	11 37	1 33	23 18	0 35	23 31	0 16	13 37	0 18	11 48	1 55	30 19	15 5	23 43	23 45	9 36		n.a.
F 29	11 58	6 52	4 19	0 29	3 24	16 21	0 13	11 21	1 34	23 18	0 35	23 31	0 16	13 38	0 18	11 47	1 55	30 19	15 5	23 43	23 45	9 39		n.a.
S 30	12n18	11n28	3s40	0n39	3s26	16n45	0n15	11s 5	1s34	23s18	0s35	23s31	0n16	13n39	0s18	11s46	1n55	30s19	15s 5	23n42	23n45	9n42		n.a.

Julian Day Number = 1480083.5, Delta T = 05h23m29s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'57, Lahiri = -13°04'56 Julian Calendar 1 Apr. 661 BCE == Greg. Calendar 25 March 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

MAY 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 7 59	2♉51'21	21♉36	10♈ 6	16♉ 3	6♓14	16♑42	29°R43	6♉44	5°R36	16♒47	25°R38	27♊24	5♉33	n.a.	S 1
M 2	14 11 55	3°48'38	3♊27	10°46	17°16	6°58	16°44	29♐41	6°48	5♏34	16°47	25♊34	27°21	5°40	n.a.	M 2
T 3	14 15 52	4°45'54	15°21	11°30	18°30	7°42	16°46	29°40	6°51	5°33	16°48	25°31	27°18	5°47	n.a.	T 3
W 4	14 19 48	5°43'10	27°23	12°18	19°43	8°26	16°48	29°38	6°55	5°31	16°48	25°D30	27°15	5°53	n.a.	W 4
T 5	14 23 45	6°40'24	9♋36	13°10	20°57	9°10	16°50	29°36	6°58	5°29	16°48	25°31	27°11	6° 0	n.a.	T 5
F 6	14 27 42	7°37'37	22° 3	14° 6	22°10	9°54	16°51	29°34	7° 2	5°28	16°49	25°32	27° 8	6° 7	n.a.	F 6
S 7	14 31 38	8°34'49	4♌50	15° 4	23°24	10°38	16°52	29°33	7° 5	5°26	16°49	25°R33	27° 5	6°14	n.a.	S 7
S 8	14 35 35	9°32'01	18° 1	16° 7	24°37	11°22	16°53	29°31	7° 9	5°25	16°50	25°33	27° 2	6°20	n.a.	S 8
M 9	14 39 31	10°29'11	1♍38	17°13	25°50	12° 6	16°54	29°29	7°12	5°23	16°50	25°31	26°59	6°27	n.a.	M 9
T 10	14 43 28	11°26'20	15°43	18°22	27° 4	12°50	16°55	29°26	7°16	5°21	16°50	25°27	26°56	6°34	n.a.	T 10
W11	14 47 24	12°23'29	0♎16	19°35	28°17	13°33	16°55	29°24	7°19	5°20	16°51	25°22	26°52	6°40	n.a.	W11
T 12	14 51 21	13°20'37	15°11	20°51	29°30	14°17	16°55	29°22	7°23	5°18	16°51	25°16	26°49	6°47	n.a.	T 12
F 13	14 55 17	14°17'44	0♏21	22°10	0♊44	15° 0	16°R56	29°19	7°26	5°17	16°51	25°10	26°46	6°54	n.a.	F 13
S 14	14 59 14	15°14'50	15°37	23°32	1°57	15°44	16°55	29°17	7°30	5°15	16°52	25° 5	26°43	7° 0	n.a.	S 14
S 15	15 3 11	16°11'57	0♐48	24°58	3°10	16°27	16°55	29°14	7°33	5°13	16°52	25° 2	26°40	7° 7	n.a.	S 15
M16	15 7 7	17° 9'03	15°44	26°26	4°24	17°11	16°55	29°12	7°37	5°12	16°52	25° 0	26°36	7°14	n.a.	M16
T 17	15 11 4	18° 6'08	0♑19	27°58	5°37	17°54	16°54	29° 9	7°40	5°10	16°52	25°D 0	26°33	7°20	n.a.	T 17
W18	15 15 0	19° 3'14	14°27	29°33	6°50	18°37	16°53	29° 6	7°44	5° 9	16°52	25° 1	26°30	7°27	n.a.	W18
T 19	15 18 57	20° 0'20	28° 9	1♉11	8° 3	19°20	16°52	29° 3	7°47	5° 7	16°53	25° 2	26°27	7°34	n.a.	T 19
F 20	15 22 53	20°57'25	11♒24	2°52	9°17	20° 3	16°51	29° 0	7°51	5° 6	16°53	25° 3	26°24	7°41	n.a.	F 20
S 21	15 26 50	21°54'31	24°16	4°35	10°30	20°46	16°49	28°57	7°54	5° 4	16°53	25°R 4	26°21	7°47	n.a.	S 21
S 22	15 30 47	22°51'37	6♓48	6°22	11°43	21°29	16°48	28°54	7°58	5° 2	16°53	25° 3	26°17	7°54	n.a.	S 22
M23	15 34 43	23°48'42	19° 5	8°12	12°56	22°12	16°46	28°51	8° 1	5° 1	16°53	25° 0	26°14	8° 1	n.a.	M23
T 24	15 38 40	24°45'48	1♈10	10° 4	14°10	22°54	16°44	28°48	8° 5	4°59	16°R53	24°57	26°11	8° 7	n.a.	T 24
W25	15 42 36	25°42'54	13° 7	11°59	15°23	23°37	16°41	28°45	8° 8	4°58	16°53	24°52	26° 8	8°14	n.a.	W25
T 26	15 46 33	26°40'00	24°59	13°56	16°36	24°20	16°39	28°41	8°11	4°56	16°53	24°48	26° 5	8°21	n.a.	T 26
F 27	15 50 29	27°37'06	6♉49	15°56	17°49	25° 2	16°36	28°38	8°15	4°55	16°53	24°43	26° 2	8°27	n.a.	F 27
S 28	15 54 26	28°34'13	18°39	17°58	19° 2	25°44	16°34	28°34	8°18	4°54	16°53	24°39	25°58	8°34	n.a.	S 28
S 29	15 58 22	29°31'19	0♊31	20° 1	20°15	26°27	16°31	28°31	8°21	4°52	16°53	24°36	25°55	8°41	n.a.	S 29
M30	16 2 19	0♊28'26	12°28	22° 7	21°29	27° 9	16°28	28°27	8°25	4°51	16°53	24°34	25°52	8°47	n.a.	M30
T 31	16 6 16	1♊25'32	24♊31	24♉14	22♊42	27♓51	16♑24	28♐23	8♉28	4♏49	16♒52	24°D33	25♊49	8♉54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	12n38	15n39	2s52	0n52	3s28	17n 9	0n18	10s48	1s34	23s18	0s35	23s31	0n16	13n40	0s18	11s46	1n55	30s19	15s 6	23n42	23n45	9n45			n.a.	S 1
M 2	12 58	19 15	1 56	1 8	3 29	17 33	0 20	10 32	1 34	23 18	0 36	23 31	0 16	13 41	0 18	11 45	1 55	30 20	15 6	23 42	23 45	9 47			n.a.	M 2
T 3	13 17	22 3	0 54	1 25	3 29	17 56	0 23	10 16	1 35	23 18	0 36	23 31	0 16	13 43	0 18	11 45	1 55	30 20	15 6	23 42	23 45	9 50			n.a.	T 3
W 4	13 37	23 55	0n10	1 45	3 28	18 19	0 25	9 59	1 35	23 18	0 36	23 31	0 16	13 44	0 18	11 44	1 55	30 20	15 7	23 42	23 45	9 53			n.a.	W 4
T 5	13 56	24 40	1 15	2 7	3 26	18 41	0 28	9 43	1 35	23 18	0 36	23 31	0 15	13 45	0 18	11 44	1 55	30 20	15 7	23 42	23 45	9 55			n.a.	T 5
F 6	14 15	24 13	2 18	2 31	3 23	19 3	0 30	9 26	1 36	23 18	0 37	23 31	0 15	13 46	0 18	11 43	1 55	30 20	15 7	23 42	23 45	9 58			n.a.	F 6
S 7	14 34	22 30	3 16	2 57	3 20	19 24	0 32	9 9	1 36	23 18	0 37	23 31	0 15	13 47	0 18	11 43	1 55	30 21	15 8	23 42	23 45	10 1			n.a.	S 7
S 8	14 52	19 32	4 6	3 25	3 16	19 45	0 35	8 53	1 36	23 18	0 37	23 31	0 15	13 49	0 18	11 42	1 55	30 21	15 8	23 42	23 44	10 4			n.a.	S 8
M 9	15 10	15 26	4 43	3 55	3 11	20 5	0 37	8 36	1 36	23 18	0 37	23 31	0 15	13 50	0 18	11 42	1 55	30 21	15 9	23 42	23 44	10 6			n.a.	M 9
T 10	15 28	10 23	5 5	4 27	3 5	20 25	0 39	8 19	1 36	23 19	0 38	23 31	0 15	13 51	0 18	11 41	1 55	30 21	15 9	23 42	23 44	10 9			n.a.	T 10
W11	15 46	4 36	5 8	5 0	2 59	20 44	0 42	8 2	1 37	23 19	0 38	23 31	0 15	13 52	0 18	11 41	1 55	30 21	15 9	23 42	23 44	10 12			n.a.	W11
T 12	16 4	1s36	4 51	5 35	2 53	21 3	0 44	7 45	1 37	23 19	0 38	23 31	0 15	13 53	0 18	11 40	1 55	30 22	15 10	23 41	23 44	10 15			n.a.	T 12
F 13	16 21	7 48	4 13	6 12	2 45	21 21	0 46	7 28	1 37	23 19	0 38	23 31	0 15	13 54	0 18	11 40	1 55	30 22	15 10	23 41	23 44	10 17			n.a.	F 13
S 14	16 38	13 36	3 17	6 50	2 38	21 38	0 49	7 11	1 37	23 19	0 39	23 32	0 15	13 56	0 18	11 39	1 55	30 22	15 10	23 41	23 44	10 20			n.a.	S 14
S 15	16 55	18 31	2 8	7 29	2 29	21 55	0 51	6 55	1 37	23 20	0 39	23 32	0 15	13 57	0 18	11 39	1 55	30 23	15 11	23 41	23 44	10 23			n.a.	S 15
M16	17 11	22 10	0 50	8 10	2 20	22 11	0 53	6 38	1 37	23 20	0 39	23 32	0 15	13 58	0 18	11 38	1 55	30 23	15 11	23 41	23 44	10 25			n.a.	M16
T 17	17 28	24 15	0s29	8 52	2 11	22 27	0 55	6 21	1 38	23 20	0 39	23 32	0 15	13 59	0 18	11 37	1 55	30 23	15 12	23 41	23 44	10 28			n.a.	T 17
W18	17 44	24 42	1 44	9 35	2 1	22 42	0 57	6 4	1 38	23 21	0 40	23 32	0 15	14 0	0 18	11 37	1 55	30 23	15 12	23 41	23 44	10 31			n.a.	W18
T 19	17 59	23 37	2 51	10 19	1 51	22 56	0 59	5 47	1 38	23 21	0 40	23 32	0 14	14 1	0 18	11 36	1 55	30 24	15 12	23 41	23 44	10 34			n.a.	T 19
F 20	18 15	21 13	3 46	11 4	1 41	23 10	1 1	5 30	1 38	23 22	0 40	23 32	0 14	14 2	0 18	11 36	1 55	30 24	15 13	23 41	23 44	10 36			n.a.	F 20
S 21	18 30	17 50	4 29	11 49	1 30	23 23	1 3	5 12	1 38	23 22	0 40	23 32	0 14	14 4	0 18	11 35	1 55	30 24	15 13	23 41	23 43	10 39			n.a.	S 21
S 22	18 45	13 43	4 57	12 36	1 19	23 35	1 5	4 55	1 38	23 22	0 41	23 32	0 14	14 5	0 18	11 35	1 55	30 25	15 13	23 41	23 43	10 42			n.a.	S 22
M23	18 59	9 8	5 11	13 22	1 8	23 47	1 7	4 38	1 38	23 23	0 41	23 32	0 14	14 6	0 18	11 35	1 55	30 25	15 14	23 41	23 43	10 45			n.a.	M23
T 24	19 13	4 16	5 11	14 9	0 56	23 58	1 9	4 21	1 38	23 23	0 41	23 32	0 14	14 7	0 18	11 34	1 55	30 25	15 14	23 41	23 43	10 47			n.a.	T 24
W25	19 27	0n42	4 57	14 56	0 45	24 8	1 11	4 4	1 38	23 24	0 41	23 32	0 14	14 8	0 18	11 34	1 55	30 26	15 15	23 40	23 43	10 50			n.a.	W25
T 26	19 41	5 37	4 30	15 43	0 33	24 18	1 13	3 47	1 39	23 25	0 42	23 32	0 14	14 9	0 18	11 33	1 55	30 26	15 15	23 40	23 43	10 53			n.a.	T 26
F 27	19 54	10 19	3 52	16 29	0 22	24 27	1 14	3 30	1 39	23 25	0 42	23 32	0 14	14 10	0 18	11 33	1 55	30 26	15 15	23 40	23 43	10 55			n.a.	F 27
S 28	20 7	14 40	3 5	17 15	0 10	24 35	1 16	3 13	1 39	23 26	0 42	23 32	0 14	14 11	0 18	11 32	1 55	30 27	15 16	23 40	23 43	10 58			n.a.	S 28
S 29	20 20	18 27	2 8	18 0	0n 1	24 42	1 18	2 56	1 39	23 26	0 42	23 32	0 14	14 12	0 18	11 32	1 55	30 27	15 16	23 40	23 43	11 1			n.a.	S 29
M30	20 32	21 31	1 6	18 44	0 12	24 49	1 19	2 39	1 39	23 27	0 43	23 32	0 14	14 14	0 18	11 31	1 55	30 28	15 16	23 40	23 43	11 3			n.a.	M30
T 31	20n44	23n39	0s 0	19n27	0n22	24n55	1n21	2s22	1s39	23s28	0s43	23s32	0n14	14n15	0s18	11s31	1n55	30s28	15s17	23n40	23n42	11n 6			n.a.	T 31

Julian Day Number = 1480113.5, Delta T = 05h23m27s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'53, Lahiri = -13°04'52 Julian Calendar 1 May 661 BCE == Greg. Calendar 24 Apr. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

JUNE 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 10 12	2♊22'39	6♋42	26♉22	23♊55	28♓33	16°R21	28°R20	8♉31	4°R48	16°R52	24♊34	25♊46	9♉ 1	n.a.	W 1
T 2	16 14 9	3°19'46	19° 4	28°30	25° 8	29°15	16♑17	28♐16	8°35	4♏47	16♒52	24°35	25°42	9° 8	n.a.	T 2
F 3	16 18 5	4°16'52	1♌40	0♊40	26°21	29°57	16°13	28°12	8°38	4°45	16°52	24°37	25°39	9°14	n.a.	F 3
S 4	16 22 2	5°13'59	14°33	2°49	27°34	0♈38	16° 9	28° 8	8°41	4°44	16°52	24°38	25°36	9°21	n.a.	S 4
S 5	16 25 58	6°11'06	27°45	4°59	28°47	1°20	16° 5	28° 4	8°44	4°42	16°51	24°39	25°33	9°28	n.a.	S 5
M 6	16 29 55	7° 8'12	11♍18	7° 8	0♋ 0	2° 2	16° 1	28° 0	8°48	4°41	16°51	24°R39	25°30	9°34	n.a.	M 6
T 7	16 33 52	8° 5'19	25°14	9°17	1°13	2°43	15°56	27°56	8°51	4°40	16°51	24°38	25°27	9°41	n.a.	T 7
W 8	16 37 48	9° 2'26	9♎33	11°25	2°26	3°24	15°51	27°52	8°54	4°39	16°51	24°37	25°23	9°48	n.a.	W 8
T 9	16 41 45	9°59'33	24°12	13°32	3°39	4° 6	15°47	27°48	8°57	4°37	16°50	24°35	25°20	9°54	n.a.	T 9
F 10	16 45 41	10°56'40	9♏ 6	15°38	4°52	4°47	15°42	27°44	9° 0	4°36	16°50	24°34	25°17	10° 1	n.a.	F 10
S 11	16 49 38	11°53'47	24° 7	17°43	6° 5	5°28	15°36	27°40	9° 3	4°35	16°49	24°32	25°14	10° 8	n.a.	S 11
S 12	16 53 34	12°50'55	9♐ 8	19°47	7°18	6° 9	15°31	27°36	9° 6	4°34	16°49	24°31	25°11	10°14	n.a.	S 12
M13	16 57 31	13°48'04	24° 0	21°49	8°31	6°50	15°26	27°31	9°10	4°33	16°49	24°D31	25° 8	10°21	n.a.	M13
T 14	17 1 27	14°45'13	8♑34	23°49	9°44	7°30	15°20	27°27	9°13	4°31	16°48	24°31	25° 4	10°28	n.a.	T 14
W15	17 5 24	15°42'23	22°47	25°48	10°57	8°11	15°14	27°23	9°16	4°30	16°48	24°32	25° 1	10°34	n.a.	W15
T 16	17 9 21	16°39'34	6♒34	27°45	12° 9	8°51	15° 8	27°18	9°19	4°29	16°47	24°33	24°58	10°41	n.a.	T 16
F 17	17 13 17	17°36'45	19°56	29°40	13°22	9°32	15° 2	27°14	9°22	4°28	16°47	24°33	24°55	10°48	n.a.	F 17
S 18	17 17 14	18°33'58	2♓53	1♋34	14°35	10°12	14°56	27°10	9°24	4°27	16°46	24°34	24°52	10°55	n.a.	S 18
S 19	17 21 10	19°31'11	15°28	3°26	15°48	10°52	14°50	27° 5	9°27	4°26	16°46	24°R34	24°48	11° 1	n.a.	S 19
M20	17 25 7	20°28'26	27°46	5°16	17° 1	11°32	14°44	27° 1	9°30	4°25	16°45	24°34	24°45	11° 8	n.a.	M20
T 21	17 29 3	21°25'41	9♈50	7° 5	18°13	12°12	14°37	26°57	9°33	4°24	16°44	24°34	24°42	11°15	n.a.	T 21
W22	17 33 0	22°22'58	21°46	8°51	19°26	12°52	14°30	26°52	9°36	4°23	16°44	24°34	24°39	11°21	n.a.	W22
T 23	17 36 56	23°20'16	3♉37	10°37	20°39	13°32	14°24	26°48	9°39	4°22	16°43	24°33	24°36	11°28	n.a.	T 23
F 24	17 40 53	24°17'35	15°26	12°20	21°52	14°12	14°17	26°43	9°41	4°21	16°43	24°D33	24°33	11°35	n.a.	F 24
S 25	17 44 50	25°14'55	27°18	14° 2	23° 4	14°51	14°10	26°39	9°44	4°20	16°42	24°33	24°29	11°41	n.a.	S 25
S 26	17 48 46	26°12'16	9♊16	15°42	24°17	15°30	14° 3	26°34	9°47	4°20	16°41	24°33	24°26	11°48	n.a.	S 26
M27	17 52 43	27° 9'38	21°22	17°20	25°30	16°10	13°56	26°30	9°49	4°19	16°40	24°R33	24°23	11°55	n.a.	M27
T 28	17 56 39	28° 7'02	3♋37	18°56	26°42	16°49	13°49	26°25	9°52	4°18	16°40	24°33	24°20	12° 1	n.a.	T 28
W29	18 0 36	29° 4'26	16° 3	20°31	27°55	17°28	13°41	26°21	9°55	4°17	16°39	24°33	24°17	12° 8	n.a.	W29
T 30	18 4 32	0♌ 1'51	28♋43	22♌ 5	29♌ 7	18♈ 7	13♑34	26♐16	9♉57	4♏16	16♒38	24♊33	24♊13	12♉15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n56	24n43	1n 6	20n 8	0n32	25n 0	1n22	2s 5	1s39	23s28	0s43	23s32	0n13	14n16	0s18	11s30	1n55	30s28	15s17	23n40	23n42	11n 9		n.a.
T 2	21 7	24 34	2 11	20 48	0 42	25 5	1 24	1 48	1 39	23 29	0 43	23 32	0 13	14 17	0 18	11 30	1 54	30 29	15 17	23 40	23 42	11 12		n.a.
F 3	21 18	23 10	3 11	21 25	0 52	25 9	1 25	1 32	1 39	23 30	0 44	23 32	0 13	14 18	0 18	11 29	1 54	30 29	15 18	23 40	23 42	11 14		n.a.
S 4	21 28	20 33	4 2	22 0	1 0	25 12	1 27	1 15	1 39	23 31	0 44	23 32	0 13	14 19	0 18	11 29	1 54	30 30	15 18	23 40	23 42	11 17		n.a.
S 5	21 39	16 49	4 42	22 33	1 8	25 14	1 28	0 58	1 39	23 31	0 44	23 32	0 13	14 20	0 18	11 29	1 54	30 30	15 19	23 40	23 42	11 20		n.a.
M 6	21 48	12 9	5 8	23 3	1 16	25 15	1 29	0 41	1 39	23 32	0 44	23 33	0 13	14 21	0 18	11 28	1 54	30 30	15 19	23 40	23 42	11 22		n.a.
T 7	21 58	6 44	5 16	23 31	1 23	25 16	1 30	0 24	1 38	23 33	0 45	23 33	0 13	14 22	0 18	11 28	1 54	30 31	15 19	23 40	23 42	11 25		n.a.
W 8	22 7	0 50	5 5	23 56	1 29	25 16	1 31	0 8	1 38	23 34	0 45	23 33	0 13	14 23	0 18	11 27	1 54	30 31	15 20	23 40	23 42	11 28		n.a.
T 9	22 16	5s15	4 35	24 18	1 34	25 16	1 32	0n 9	1 38	23 34	0 45	23 33	0 13	14 24	0 18	11 27	1 54	30 32	15 20	23 40	23 41	11 31		n.a.
F 10	22 24	11 10	3 46	24 38	1 39	25 14	1 33	0 26	1 38	23 35	0 45	23 33	0 13	14 25	0 18	11 27	1 54	30 32	15 20	23 40	23 41	11 33		n.a.
S 11	22 32	16 28	2 40	24 55	1 43	25 12	1 34	0 42	1 38	23 36	0 46	23 33	0 13	14 26	0 18	11 26	1 54	30 33	15 21	23 40	23 41	11 36		n.a.
S 12	22 39	20 45	1 24	25 9	1 46	25 9	1 35	0 59	1 38	23 37	0 46	23 33	0 13	14 27	0 18	11 26	1 54	30 33	15 21	23 40	23 41	11 39		n.a.
M13	22 47	23 35	0 3	25 20	1 49	25 5	1 36	1 15	1 38	23 38	0 46	23 33	0 12	14 28	0 18	11 26	1 54	30 34	15 21	23 40	23 41	11 41		n.a.
T 14	22 53	24 47	1s17	25 28	1 51	25 1	1 36	1 31	1 38	23 39	0 46	23 33	0 12	14 29	0 18	11 25	1 54	30 34	15 22	23 40	23 41	11 44		n.a.
W15	23 0	24 17	2 30	25 35	1 52	24 56	1 37	1 48	1 38	23 40	0 47	23 33	0 12	14 30	0 18	11 25	1 54	30 34	15 22	23 40	23 41	11 47		n.a.
T 16	23 6	22 19	3 33	25 38	1 53	24 50	1 37	2 4	1 38	23 41	0 47	23 33	0 12	14 31	0 18	11 25	1 54	30 35	15 22	23 40	23 41	11 49		n.a.
F 17	23 11	19 10	4 21	25 39	1 53	24 43	1 38	2 20	1 37	23 41	0 47	23 33	0 12	14 32	0 18	11 24	1 54	30 35	15 23	23 40	23 41	11 52		n.a.
S 18	23 16	15 10	4 55	25 38	1 52	24 36	1 38	2 36	1 37	23 42	0 47	23 33	0 12	14 33	0 18	11 24	1 54	30 36	15 23	23 40	23 40	11 55		n.a.
S 19	23 21	10 36	5 13	25 35	1 51	24 27	1 39	2 53	1 37	23 43	0 47	23 33	0 12	14 34	0 18	11 24	1 54	30 36	15 23	23 40	23 40	11 57		n.a.
M20	23 26	5 44	5 17	25 29	1 49	24 19	1 39	3 9	1 37	23 44	0 48	23 33	0 12	14 35	0 18	11 23	1 54	30 37	15 24	23 40	23 40	12 0		n.a.
T 21	23 30	0 44	5 6	25 21	1 47	24 9	1 39	3 25	1 37	23 45	0 48	23 33	0 12	14 36	0 18	11 23	1 54	30 37	15 24	23 40	23 40	12 3		n.a.
W22	23 33	4n14	4 42	25 12	1 44	23 59	1 39	3 40	1 37	23 46	0 48	23 33	0 12	14 37	0 18	11 23	1 54	30 38	15 24	23 40	23 40	12 5		n.a.
T 23	23 36	9 2	4 7	25 1	1 40	23 48	1 39	3 56	1 36	23 47	0 48	23 33	0 12	14 37	0 18	11 23	1 54	30 38	15 25	23 40	23 40	12 8		n.a.
F 24	23 39	13 30	3 21	24 48	1 36	23 36	1 39	4 12	1 36	23 48	0 49	23 33	0 12	14 38	0 18	11 22	1 53	30 39	15 25	23 40	23 40	12 11		n.a.
S 25	23 41	17 28	2 26	24 33	1 32	23 24	1 39	4 28	1 36	23 49	0 49	23 32	0 11	14 39	0 18	11 22	1 53	30 39	15 25	23 40	23 40	12 13		n.a.
S 26	23 43	20 46	1 24	24 17	1 27	23 11	1 39	4 43	1 36	23 50	0 49	23 32	0 11	14 40	0 18	11 22	1 53	30 40	15 26	23 40	23 39	12 16		n.a.
M27	23 45	23 12	0 18	23 59	1 22	22 57	1 39	4 59	1 35	23 51	0 49	23 32	0 11	14 41	0 18	11 22	1 53	30 40	15 26	23 40	23 39	12 19		n.a.
T 28	23 46	24 34	0n50	23 40	1 16	22 43	1 38	5 14	1 35	23 52	0 49	23 32	0 11	14 42	0 18	11 21	1 53	30 41	15 26	23 40	23 39	12 21		n.a.
W29	23 46	24 43	1 57	23 20	1 10	22 28	1 38	5 30	1 35	23 53	0 50	23 32	0 11	14 43	0 18	11 21	1 53	30 41	15 26	23 40	23 39	12 24		n.a.
T 30	23n46	23n37	2n58	22n59	1n 4	22n12	1n37	5n45	1s35	23s54	0s50	23s32	0n11	14n43	0s18	11s21	1n53	30s42	15s27	23n40	23n39	12n27		n.a.

Julian Day Number = 1480144.5, Delta T = 05h23m26s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'48, Lahiri = -13°04'48 Julian Calendar 1 June 661 BCE == Greg. Calendar 25 May 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

JULY 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 8 29	0♋59'18	11♌35	23♋36	0♌20	18♈45	13°R26	26°R12	10♉ 0	4°R16	16°R37	24°R32	24♊10	12♉21	n.a.	F 1
S 2	18 12 26	1°56'45	24°42	25° 6	1°32	19°24	13♑19	26♐ 8	10° 2	4♏15	16♒37	24♊31	24° 7	12°28	n.a.	S 2
S 3	18 16 22	2°54'13	8♍ 4	26°34	2°45	20° 2	13°11	26° 3	10° 5	4°14	16°36	24°30	24° 4	12°35	n.a.	S 3
M 4	18 20 19	3°51'42	21°42	28° 0	3°57	20°41	13° 4	25°59	10° 7	4°14	16°35	24°30	24° 1	12°41	n.a.	M 4
T 5	18 24 15	4°49'12	5♎35	29°25	5°10	21°19	12°56	25°54	10° 9	4°13	16°34	24°D29	23°58	12°48	n.a.	T 5
W 6	18 28 12	5°46'43	19°44	0♌47	6°22	21°57	12°48	25°50	10°12	4°13	16°33	24°30	23°54	12°55	n.a.	W 6
T 7	18 32 8	6°44'15	4♏ 5	2° 8	7°35	22°35	12°41	25°46	10°14	4°12	16°32	24°30	23°51	13° 1	n.a.	T 7
F 8	18 36 5	7°41'48	18°36	3°27	8°47	23°12	12°33	25°41	10°16	4°12	16°32	24°31	23°48	13° 8	n.a.	F 8
S 9	18 40 1	8°39'22	3♐14	4°44	9°59	23°50	12°25	25°37	10°19	4°11	16°31	24°32	23°45	13°15	n.a.	S 9
S 10	18 43 58	9°36'57	17°53	5°59	11°12	24°27	12°17	25°33	10°21	4°11	16°30	24°R33	23°42	13°22	n.a.	S 10
M11	18 47 55	10°34'34	2♑26	7°12	12°24	25° 5	12° 9	25°29	10°23	4°10	16°29	24°33	23°39	13°28	n.a.	M11
T 12	18 51 51	11°32'12	16°48	8°23	13°36	25°42	12° 2	25°24	10°25	4°10	16°28	24°32	23°35	13°35	n.a.	T 12
W13	18 55 48	12°29'52	0♒53	9°32	14°48	26°19	11°54	25°20	10°27	4° 9	16°27	24°30	23°32	13°42	n.a.	W13
T 14	18 59 44	13°27'33	14°38	10°38	16° 0	26°55	11°46	25°16	10°29	4° 9	16°26	24°28	23°29	13°48	n.a.	T 14
F 15	19 3 41	14°25'16	28° 0	11°43	17°13	27°32	11°38	25°12	10°31	4° 9	16°25	24°25	23°26	13°55	n.a.	F 15
S 16	19 7 37	15°23'00	11♓ 0	12°44	18°25	28° 9	11°30	25° 8	10°33	4° 9	16°24	24°22	23°23	14° 2	n.a.	S 16
S 17	19 11 34	16°20'46	23°38	13°43	19°37	28°45	11°22	25° 4	10°35	4° 8	16°23	24°20	23°19	14° 8	n.a.	S 17
M18	19 15 30	17°18'34	5♈57	14°39	20°49	29°21	11°15	25° 0	10°37	4° 8	16°22	24°19	23°16	14°15	n.a.	M18
T 19	19 19 27	18°16'24	18° 3	15°32	22° 1	29°57	11° 7	24°56	10°39	4° 8	16°21	24°D18	23°13	14°22	n.a.	T 19
W20	19 23 24	19°14'15	29°58	16°23	23°13	0♉33	10°59	24°52	10°40	4° 8	16°20	24°19	23°10	14°28	n.a.	W20
T 21	19 27 20	20°12'09	11♉49	17°10	24°25	1° 9	10°51	24°48	10°42	4° 8	16°19	24°20	23° 7	14°35	n.a.	T 21
F 22	19 31 17	21°10'05	23°40	17°53	25°36	1°44	10°44	24°45	10°44	4° 8	16°18	24°22	23° 4	14°42	n.a.	F 22
S 23	19 35 13	22° 8'02	5♊34	18°33	26°48	2°19	10°36	24°41	10°45	4° 8	16°16	24°23	23° 0	14°48	n.a.	S 23
S 24	19 39 10	23° 6'01	17°38	19° 9	28° 0	2°54	10°29	24°37	10°47	4°D 8	16°15	24°24	22°57	14°55	n.a.	S 24
M25	19 43 6	24° 4'03	29°52	19°41	29°12	3°29	10°21	24°34	10°49	4° 8	16°14	24°R24	22°54	15° 2	n.a.	M25
T 26	19 47 3	25° 2'06	12♋21	20° 8	0♍24	4° 4	10°14	24°30	10°50	4° 8	16°13	24°23	22°51	15° 8	n.a.	T 26
W27	19 50 59	26° 0'11	25° 6	20°31	1°35	4°38	10° 7	24°27	10°51	4° 8	16°12	24°20	22°48	15°15	n.a.	W27
T 28	19 54 56	26°58'18	8♌ 7	20°49	2°47	5°13	9°59	24°23	10°53	4° 8	16°11	24°16	22°45	15°22	n.a.	T 28
F 29	19 58 53	27°56'27	21°23	21° 2	3°59	5°47	9°52	24°20	10°54	4° 8	16°10	24°11	22°41	15°28	n.a.	F 29
S 30	20 2 49	28°54'37	4♍53	21° 9	5°10	6°21	9°45	24°17	10°56	4° 8	16° 9	24° 5	22°38	15°35	n.a.	S 30
S 31	20 6 46	29♋52'49	18♍35	21°R10	6♍22	6♉54	9♑38	24♐13	10♉57	4♏ 8	16♒ 7	24♊ 0	22♊35	15♉42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n46	21n16	3n52	22n37	0n57	21n56	1n37	6n 0	1s34	23s55	0s50	23s32	0n11	14n44	0s18	11s21	1n53	30s42	15s27	23n40	23n39	12n29		n.a.
S 2	23 46	17 47	4 35	22 14	0 50	21 39	1 36	6 15	1 34	23 56	0 50	23 32	0 11	14 45	0 18	11 21	1 53	30 43	15 27	23 40	23 39	12 32		n.a.
S 3	23 45	13 20	5 4	21 50	0 42	21 22	1 35	6 30	1 34	23 57	0 50	23 32	0 11	14 46	0 18	11 20	1 53	30 44	15 28	23 40	23 38	12 35		n.a.
M 4	23 43	8 10	5 16	21 25	0 35	21 4	1 35	6 45	1 33	23 58	0 50	23 32	0 11	14 47	0 18	11 20	1 53	30 44	15 28	23 40	23 38	12 37		n.a.
T 5	23 41	2 30	5 11	20 59	0 26	20 45	1 34	7 0	1 33	23 59	0 51	23 32	0 10	14 47	0 18	11 20	1 53	30 45	15 28	23 40	23 38	12 40		n.a.
W 6	23 39	3s24	4 47	20 33	0 18	20 26	1 33	7 14	1 33	24 0	0 51	23 32	0 10	14 48	0 18	11 20	1 53	30 45	15 28	23 40	23 38	12 43		n.a.
T 7	23 36	9 14	4 4	20 7	0 9	20 6	1 32	7 29	1 32	24 0	0 51	23 32	0 10	14 49	0 18	11 20	1 53	30 46	15 29	23 40	23 38	12 45		n.a.
F 8	23 33	14 37	3 6	19 40	0 0	19 46	1 30	7 43	1 32	24 1	0 51	23 32	0 10	14 49	0 18	11 20	1 53	30 46	15 29	23 40	23 38	12 48		n.a.
S 9	23 29	19 13	1 55	19 12	0s 9	19 25	1 29	7 58	1 31	24 2	0 51	23 32	0 10	14 50	0 18	11 20	1 53	30 47	15 29	23 40	23 37	12 51		n.a.
S 10	23 25	22 36	0 37	18 45	0 18	19 4	1 28	8 12	1 31	24 3	0 51	23 32	0 10	14 51	0 18	11 20	1 53	30 47	15 29	23 40	23 37	12 53		n.a.
M11	23 21	24 29	0s43	18 17	0 28	18 42	1 27	8 26	1 31	24 4	0 52	23 32	0 10	14 52	0 18	11 20	1 52	30 48	15 30	23 40	23 37	12 56		n.a.
T 12	23 16	24 41	2 0	17 49	0 38	18 20	1 25	8 40	1 30	24 5	0 52	23 32	0 10	14 52	0 18	11 19	1 52	30 48	15 30	23 40	23 37	12 59		n.a.
W13	23 11	23 17	3 7	17 21	0 48	17 57	1 24	8 54	1 30	24 6	0 52	23 32	0 10	14 53	0 18	11 19	1 52	30 49	15 30	23 40	23 37	13 1		n.a.
T 14	23 5	20 31	4 2	16 53	0 58	17 34	1 22	9 8	1 29	24 7	0 52	23 32	0 10	14 54	0 18	11 19	1 52	30 49	15 30	23 39	23 37	13 4		n.a.
F 15	22 59	16 44	4 42	16 26	1 8	17 10	1 20	9 22	1 29	24 7	0 52	23 32	0 10	14 54	0 18	11 19	1 52	30 50	15 31	23 39	23 37	13 7		n.a.
S 16	22 52	12 15	5 6	15 58	1 19	16 46	1 18	9 35	1 29	24 8	0 52	23 32	0 9	14 55	0 18	11 19	1 52	30 50	15 31	23 39	23 36	13 9		n.a.
S 17	22 46	7 22	5 15	15 31	1 29	16 21	1 17	9 49	1 28	24 9	0 52	23 32	0 9	14 55	0 18	11 19	1 52	30 51	15 31	23 39	23 36	13 12		n.a.
M18	22 38	2 19	5 8	15 5	1 40	15 56	1 15	10 2	1 28	24 10	0 53	23 32	0 9	14 56	0 18	11 19	1 52	30 52	15 31	23 39	23 36	13 14		n.a.
T 19	22 30	2n44	4 48	14 39	1 50	15 31	1 13	10 15	1 27	24 11	0 53	23 31	0 9	14 57	0 18	11 19	1 52	30 52	15 31	23 39	23 36	13 17		n.a.
W20	22 22	7 38	4 16	14 13	2 1	15 5	1 11	10 28	1 27	24 11	0 53	23 31	0 9	14 57	0 18	11 19	1 52	30 53	15 32	23 39	23 36	13 20		n.a.
T 21	22 14	12 13	3 33	13 49	2 12	14 39	1 8	10 41	1 26	24 12	0 53	23 31	0 9	14 58	0 18	11 19	1 52	30 53	15 32	23 39	23 36	13 22		n.a.
F 22	22 5	16 21	2 41	13 26	2 22	14 12	1 6	10 54	1 26	24 13	0 53	23 31	0 9	14 58	0 18	11 19	1 52	30 54	15 32	23 39	23 35	13 25		n.a.
S 23	21 56	19 52	1 42	13 3	2 33	13 45	1 4	11 7	1 25	24 14	0 53	23 31	0 9	14 59	0 18	11 19	1 52	30 54	15 32	23 39	23 35	13 28		n.a.
S 24	21 46	22 34	0 37	12 42	2 44	13 18	1 2	11 20	1 24	24 14	0 53	23 31	0 9	14 59	0 18	11 19	1 52	30 55	15 32	23 39	23 35	13 30		n.a.
M25	21 36	24 16	0n30	12 22	2 54	12 50	0 59	11 32	1 24	24 15	0 53	23 31	0 9	15 0	0 18	11 19	1 52	30 55	15 32	23 39	23 35	13 33		n.a.
T 26	21 25	24 48	1 37	12 4	3 4	12 22	0 57	11 45	1 23	24 16	0 53	23 31	0 8	15 0	0 18	11 20	1 51	30 56	15 33	23 39	23 35	13 35		n.a.
W27	21 15	24 2	2 40	11 48	3 14	11 54	0 54	11 57	1 23	24 16	0 54	23 31	0 8	15 1	0 18	11 20	1 51	30 56	15 33	23 39	23 35	13 38		n.a.
T 28	21 3	21 58	3 36	11 33	3 23	11 25	0 51	12 9	1 22	24 17	0 54	23 31	0 8	15 1	0 18	11 20	1 51	30 57	15 33	23 39	23 34	13 41		n.a.
F 29	20 52	18 42	4 22	11 20	3 32	10 57	0 49	12 21	1 22	24 18	0 54	23 31	0 8	15 1	0 18	11 20	1 51	30 57	15 33	23 39	23 34	13 43		n.a.
S 30	20 40	14 24	4 54	11 10	3 41	10 27	0 46	12 33	1 21	24 18	0 54	23 31	0 8	15 2	0 18	11 20	1 51	30 58	15 33	23 38	23 34	13 46		n.a.
S 31	20n28	9n18	5n10	11n 2	3s49	9n58	0n43	12n45	1s20	24s19	0s54	23s31	0n 8	15n 2	0s18	11s20	1n51	30s58	15s33	23n38	23n34	13n49		n.a.

Julian Day Number = 1480174.5, Delta T = 05h23m24s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'44, Lahiri = -13°04'44 Julian Calendar 1 July 661 BCE == Greg. Calendar 24 June 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

AUGUST 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 10 42	0♌51'02	2♎28	21°R 6	7♍33	7♉28	9°R32	24°R10	10♉58	4♏ 9	16°R 6	23°R56	22♊32	15♉48	n.a.	M 1
T 2	20 14 39	1°49'17	16°28	20♌55	8°45	8° 1	9♑25	24♐ 7	10°59	4° 9	16♒ 5	23♊53	22°29	15°55	n.a.	T 2
W 3	20 18 35	2°47'34	0♏34	20°38	9°56	8°34	9°18	24° 4	11° 0	4° 9	16° 4	23°D52	22°25	16° 2	n.a.	W 3
T 4	20 22 32	3°45'52	14°44	20°14	11° 7	9° 7	9°12	24° 1	11° 1	4°10	16° 3	23°53	22°22	16° 8	n.a.	T 4
F 5	20 26 28	4°44'12	28°57	19°44	12°19	9°39	9° 5	23°58	11° 2	4°10	16° 1	23°54	22°19	16°15	n.a.	F 5
S 6	20 30 25	5°42'34	13♐11	19° 7	13°30	10°12	8°59	23°56	11° 3	4°10	16° 0	23°55	22°16	16°22	n.a.	S 6
S 7	20 34 22	6°40'58	27°23	18°25	14°41	10°44	8°53	23°53	11° 4	4°11	15°59	23°R55	22°13	16°28	n.a.	S 7
M 8	20 38 18	7°39'23	11♑30	17°36	15°52	11°16	8°47	23°50	11° 5	4°11	15°58	23°54	22°10	16°35	n.a.	M 8
T 9	20 42 15	8°37'50	25°29	16°43	17° 3	11°47	8°41	23°48	11° 6	4°12	15°57	23°51	22° 6	16°42	n.a.	T 9
W10	20 46 11	9°36'19	9♒16	15°46	18°14	12°19	8°36	23°45	11° 7	4°12	15°55	23°45	22° 3	16°48	n.a.	W10
T 11	20 50 8	10°34'50	22°48	14°46	19°25	12°50	8°30	23°43	11° 7	4°13	15°54	23°38	22° 0	16°55	n.a.	T 11
F 12	20 54 4	11°33'23	6♓ 2	13°43	20°36	13°21	8°25	23°41	11° 8	4°14	15°53	23°30	21°57	17° 2	n.a.	F 12
S 13	20 58 1	12°31'59	18°57	12°41	21°47	13°51	8°19	23°39	11° 9	4°14	15°52	23°21	21°54	17° 8	n.a.	S 13
S 14	21 1 57	13°30'36	1♈33	11°39	22°58	14°22	8°14	23°37	11° 9	4°15	15°51	23°14	21°51	17°15	n.a.	S 14
M15	21 5 54	14°29'16	13°53	10°39	24° 8	14°52	8° 9	23°35	11°10	4°16	15°49	23° 8	21°47	17°22	n.a.	M15
T 16	21 9 50	15°27'58	25°58	9°44	25°19	15°22	8° 4	23°33	11°10	4°16	15°48	23° 3	21°44	17°28	n.a.	T 16
W17	21 13 47	16°26'42	7♉53	8°54	26°30	15°51	8° 0	23°31	11°11	4°17	15°47	23° 1	21°41	17°35	n.a.	W17
T 18	21 17 44	17°25'29	19°43	8°10	27°40	16°20	7°55	23°29	11°11	4°18	15°46	23°D 1	21°38	17°42	n.a.	T 18
F 19	21 21 40	18°24'18	1♊33	7°34	28°51	16°49	7°51	23°27	11°11	4°19	15°44	23° 1	21°35	17°48	n.a.	F 19
S 20	21 25 37	19°23'10	13°29	7° 8	0♎ 1	17°18	7°47	23°26	11°11	4°20	15°43	23° 2	21°31	17°55	n.a.	S 20
S 21	21 29 33	20°22'04	25°35	6°50	1°11	17°46	7°43	23°25	11°12	4°21	15°42	23°R 3	21°28	18° 2	n.a.	S 21
M22	21 33 30	21°21'00	7♋56	6°D42	2°22	18°14	7°39	23°23	11°12	4°22	15°41	23° 1	21°25	18° 8	n.a.	M22
T 23	21 37 26	22°19'59	20°35	6°45	3°32	18°42	7°36	23°22	11°12	4°22	15°40	22°58	21°22	18°15	n.a.	T 23
W24	21 41 23	23°19'00	3♌35	6°57	4°42	19° 9	7°32	23°21	11°R12	4°23	15°38	22°52	21°19	18°22	n.a.	W24
T 25	21 45 19	24°18'03	16°56	7°20	5°52	19°36	7°29	23°20	11°12	4°24	15°37	22°44	21°16	18°29	n.a.	T 25
F 26	21 49 16	25°17'08	0♍37	7°52	7° 2	20° 3	7°26	23°19	11°12	4°26	15°36	22°34	21°12	18°35	n.a.	F 26
S 27	21 53 13	26°16'16	14°35	8°33	8°12	20°29	7°23	23°18	11°12	4°27	15°35	22°24	21° 9	18°42	n.a.	S 27
S 28	21 57 9	27°15'25	28°44	9°22	9°22	20°55	7°21	23°17	11°11	4°28	15°33	22°13	21° 6	18°49	n.a.	S 28
M29	22 1 6	28°14'37	13♎ 0	10°20	10°31	21°21	7°18	23°16	11°11	4°29	15°32	22° 5	21° 3	18°55	n.a.	M29
T 30	22 5 2	29°13'50	27°18	11°25	11°41	21°46	7°16	23°16	11°11	4°30	15°31	21°59	21° 0	19° 2	n.a.	T 30
W31	22 8 59	0♍13'06	11♏34	12♌36	12♎51	22♉11	7♑14	23♐15	11♉11	4♏31	15♒30	21♊55	20♊57	19♉ 9	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	20n15	3n42	5n 7	10n57	3s56	9n28	0n40	12n57	1s20	24s19	0s54	23s31	0n 8	15n 3	0s18	11s20	1n51	30s59	15s33	23n38	23n34	13n51			n.a.
T 2	20 2	2s 9	4 47	10 54	4 2	8 59	0 37	13 8	1 19	24 20	0 54	23 31	0 8	15 3	0 18	11 20	1 51	30 59	15 34	23 38	23 33	13 54			n.a.
W 3	19 49	7 56	4 10	10 55	4 7	8 29	0 34	13 19	1 18	24 21	0 54	23 31	0 8	15 3	0 18	11 21	1 51	31 0	15 34	23 38	23 33	13 56			n.a.
T 4	19 35	13 21	3 17	10 59	4 11	7 58	0 31	13 31	1 18	24 21	0 54	23 31	0 8	15 4	0 18	11 21	1 51	31 0	15 34	23 38	23 33	13 59			n.a.
F 5	19 21	18 4	2 11	11 6	4 14	7 28	0 28	13 42	1 17	24 22	0 54	23 31	0 7	15 4	0 18	11 21	1 51	31 1	15 34	23 38	23 33	14 2			n.a.
S 6	19 6	21 44	0 58	11 16	4 15	6 57	0 25	13 53	1 16	24 22	0 54	23 31	0 7	15 4	0 18	11 21	1 51	31 1	15 34	23 38	23 33	14 4			n.a.
S 7	18 52	24 4	0s19	11 29	4 15	6 27	0 22	14 3	1 15	24 22	0 54	23 31	0 7	15 4	0 18	11 21	1 51	31 2	15 34	23 38	23 33	14 7			n.a.
M 8	18 37	24 50	1 34	11 46	4 12	5 56	0 18	14 14	1 15	24 23	0 54	23 31	0 7	15 5	0 18	11 22	1 51	31 2	15 34	23 38	23 32	14 9			n.a.
T 9	18 21	24 0	2 42	12 6	4 8	5 25	0 15	14 25	1 14	24 23	0 54	23 31	0 7	15 5	0 18	11 22	1 51	31 3	15 34	23 38	23 32	14 12			n.a.
W10	18 6	21 43	3 40	12 29	4 2	4 53	0 11	14 35	1 13	24 24	0 54	23 31	0 7	15 5	0 18	11 22	1 50	31 3	15 34	23 38	23 32	14 15			n.a.
T 11	17 50	18 15	4 24	12 54	3 54	4 22	0 8	14 45	1 12	24 24	0 54	23 31	0 7	15 5	0 18	11 22	1 50	31 3	15 34	23 37	23 32	14 17			n.a.
F 12	17 33	13 57	4 53	13 22	3 44	3 51	0 4	14 56	1 12	24 25	0 54	23 31	0 7	15 6	0 18	11 23	1 50	31 4	15 34	23 37	23 32	14 20			n.a.
S 13	17 17	9 7	5 6	13 51	3 32	3 19	0 1	15 6	1 11	24 25	0 54	23 31	0 7	15 6	0 18	11 23	1 50	31 4	15 34	23 36	23 31	14 22			n.a.
S 14	17 0	4 0	5 4	14 22	3 18	2 47	0s 3	15 16	1 10	24 25	0 54	23 31	0 7	15 6	0 18	11 23	1 50	31 5	15 34	23 36	23 31	14 25			n.a.
M15	16 43	1n 9	4 47	14 53	3 3	2 16	0 6	15 25	1 9	24 26	0 54	23 31	0 6	15 6	0 18	11 24	1 50	31 5	15 34	23 36	23 31	14 27			n.a.
T 16	16 25	6 10	4 18	15 24	2 46	1 44	0 10	15 35	1 8	24 26	0 54	23 31	0 6	15 6	0 18	11 24	1 50	31 6	15 34	23 35	23 31	14 30			n.a.
W17	16 8	10 54	3 38	15 55	2 28	1 12	0 14	15 44	1 7	24 26	0 55	23 31	0 6	15 6	0 18	11 24	1 50	31 6	15 35	23 35	23 31	14 33			n.a.
T 18	15 50	15 12	2 49	16 24	2 9	0 40	0 18	15 54	1 7	24 26	0 55	23 31	0 6	15 6	0 18	11 25	1 50	31 6	15 35	23 35	23 30	14 35			n.a.
F 19	15 31	18 55	1 53	16 52	1 50	0 8	0 21	16 3	1 6	24 27	0 55	23 31	0 6	15 7	0 18	11 25	1 50	31 7	15 35	23 35	23 30	14 38			n.a.
S 20	15 13	21 54	0 51	17 18	1 30	0s23	0 25	16 12	1 5	24 27	0 55	23 31	0 6	15 7	0 18	11 25	1 50	31 7	15 35	23 35	23 30	14 40			n.a.
S 21	14 54	23 56	0n14	17 41	1 11	0 55	0 29	16 21	1 4	24 27	0 55	23 31	0 6	15 7	0 18	11 26	1 50	31 8	15 35	23 35	23 30	14 43			n.a.
M22	14 35	24 51	1 19	18 1	0 52	1 27	0 33	16 30	1 3	24 27	0 55	23 31	0 6	15 7	0 18	11 26	1 50	31 8	15 35	23 35	23 30	14 45			n.a.
T 23	14 16	24 30	2 22	18 19	0 33	1 59	0 37	16 38	1 2	24 28	0 55	23 31	0 6	15 7	0 18	11 26	1 50	31 8	15 35	23 35	23 29	14 48			n.a.
W24	13 56	22 51	3 19	18 33	0 15	2 31	0 41	16 47	1 1	24 28	0 54	23 31	0 6	15 7	0 18	11 27	1 50	31 9	15 34	23 35	23 29	14 51			n.a.
T 25	13 36	19 53	4 7	18 43	0n 2	3 3	0 45	16 55	1 0	24 28	0 54	23 31	0 5	15 7	0 18	11 27	1 49	31 9	15 34	23 34	23 29	14 53			n.a.
F 26	13 16	15 47	4 41	18 50	0 17	3 34	0 49	17 3	0 59	24 28	0 54	23 31	0 5	15 7	0 18	11 28	1 49	31 10	15 34	23 34	23 29	14 56			n.a.
S 27	12 56	10 45	5 0	18 54	0 32	4 6	0 53	17 12	0 58	24 28	0 54	23 31	0 5	15 7	0 18	11 28	1 49	31 10	15 34	23 33	23 29	14 58			n.a.
S 28	12 36	5 6	5 1	18 53	0 46	4 38	0 57	17 20	0 57	24 28	0 54	23 31	0 5	15 7	0 18	11 28	1 49	31 10	15 34	23 33	23 28	15 1			n.a.
M29	12 15	0s52	4 43	18 50	0 58	5 9	1 1	17 27	0 56	24 29	0 54	23 31	0 5	15 7	0 18	11 29	1 49	31 11	15 34	23 32	23 28	15 3			n.a.
T 30	11 54	6 48	4 8	18 42	1 9	5 40	1 5	17 35	0 55	24 29	0 54	23 31	0 5	15 6	0 18	11 29	1 49	31 11	15 34	23 32	23 28	15 6			n.a.
W31	11n33	12s24	3n17	18n31	1n19	6s12	1s 9	17n43	0s53	24s29	0s54	23s31	0n 5	15n 6	0s18	11s30	1n49	31s11	15s34	23n31	23n28	15n 8			n.a.

Julian Day Number = 1480205.5, Delta T = 05h23m23s
Ecliptic obliquity = 23°46'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'40, Lahiri = -13°04'40 Julian Calendar 1 Aug. 661 BCE == Greg. Calendar 25 July 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

SEPTEMBER 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 12 55	1♍12'23	25♏45	13♌53	14♎ 0	22♉35	7°R12	23°R15	11°R10	4♏32	15°R29	21°D54	20♊53	19♉15	n.a.	T 1
F 2	22 16 52	2°11'42	9♐50	15°15	15° 9	22°59	7♑11	23♐15	11♉10	4°34	15♒28	21♊54	20°50	19°22	n.a.	F 2
S 3	22 20 48	3°11'03	23°47	16°41	16°19	23°23	7° 9	23°15	11° 9	4°35	15°26	21°R54	20°47	19°29	n.a.	S 3
S 4	22 24 45	4°10'26	7♑37	18°11	17°28	23°46	7° 8	23°D14	11° 9	4°36	15°25	21°53	20°44	19°35	n.a.	S 4
M 5	22 28 41	5° 9'51	21°19	19°44	18°37	24° 9	7° 7	23°15	11° 8	4°38	15°24	21°50	20°41	19°42	n.a.	M 5
T 6	22 32 38	6° 9'18	4♒53	21°20	19°46	24°32	7° 6	23°15	11° 8	4°39	15°23	21°44	20°37	19°49	n.a.	T 6
W 7	22 36 35	7° 8'46	18°16	22°58	20°55	24°54	7° 5	23°15	11° 7	4°40	15°22	21°35	20°34	19°55	n.a.	W 7
T 8	22 40 31	8° 8'17	1♓27	24°37	22° 4	25°15	7° 5	23°15	11° 6	4°42	15°21	21°24	20°31	20° 2	n.a.	T 8
F 9	22 44 28	9° 7'50	14°25	26°18	23°12	25°36	7° 5	23°16	11° 5	4°43	15°20	21°11	20°28	20° 9	n.a.	F 9
S 10	22 48 24	10° 7'25	27° 8	28° 0	24°21	25°57	7°D 5	23°16	11° 5	4°45	15°19	20°58	20°25	20°15	n.a.	S 10
S 11	22 52 21	11° 7'02	9♈37	29°43	25°29	26°17	7° 5	23°17	11° 4	4°46	15°17	20°46	20°22	20°22	n.a.	S 11
M12	22 56 17	12° 6'41	21°51	1♍26	26°37	26°37	7° 5	23°18	11° 3	4°48	15°16	20°35	20°18	20°28	n.a.	M12
T 13	23 0 14	13° 6'23	3♉53	3° 9	27°46	26°56	7° 6	23°18	11° 2	4°49	15°15	20°27	20°15	20°35	n.a.	T 13
W14	23 4 10	14° 6'07	15°47	4°53	28°54	27°15	7° 6	23°19	11° 1	4°51	15°14	20°22	20°12	20°42	n.a.	W14
T 15	23 8 7	15° 5'54	27°35	6°36	0♏ 2	27°33	7° 7	23°20	11° 0	4°52	15°13	20°19	20° 9	20°48	n.a.	T 15
F 16	23 12 4	16° 5'43	9♊24	8°20	1° 9	27°50	7° 8	23°22	10°58	4°54	15°12	20°18	20° 6	20°55	n.a.	F 16
S 17	23 16 0	17° 5'34	21°18	10° 3	2°17	28° 8	7°10	23°23	10°57	4°56	15°11	20°18	20° 2	21° 2	n.a.	S 17
S 18	23 19 57	18° 5'27	3♋22	11°46	3°24	28°24	7°11	23°24	10°56	4°57	15°10	20°17	19°59	21° 8	n.a.	S 18
M19	23 23 53	19° 5'23	15°44	13°28	4°32	28°40	7°13	23°26	10°55	4°59	15° 9	20°16	19°56	21°15	n.a.	M19
T 20	23 27 50	20° 5'22	28°26	15°10	5°39	28°56	7°15	23°27	10°54	5° 1	15° 8	20°12	19°53	21°22	n.a.	T 20
W21	23 31 46	21° 5'22	11♌33	16°52	6°46	29°10	7°17	23°29	10°52	5° 3	15° 7	20° 5	19°50	21°28	n.a.	W21
T 22	23 35 43	22° 5'25	25° 6	18°33	7°53	29°25	7°19	23°30	10°51	5° 4	15° 6	19°55	19°47	21°35	n.a.	T 22
F 23	23 39 39	23° 5'29	9♍ 5	20°14	9° 0	29°38	7°22	23°32	10°49	5° 6	15° 5	19°44	19°43	21°42	n.a.	F 23
S 24	23 43 36	24° 5'36	23°25	21°54	10° 6	29°51	7°25	23°34	10°48	5° 8	15° 4	19°32	19°40	21°48	n.a.	S 24
S 25	23 47 32	25° 5'45	8♎ 1	23°34	11°13	0♊ 4	7°28	23°36	10°46	5°10	15° 4	19°20	19°37	21°55	n.a.	S 25
M26	23 51 29	26° 5'56	22°44	25°13	12°19	0°15	7°31	23°38	10°45	5°12	15° 3	19°10	19°34	22° 2	n.a.	M26
T 27	23 55 26	27° 6'08	7♏27	26°52	13°25	0°26	7°34	23°41	10°43	5°13	15° 2	19° 2	19°31	22° 8	n.a.	T 27
W28	23 59 22	28° 6'22	22° 4	28°30	14°31	0°37	7°38	23°43	10°41	5°15	15° 1	18°57	19°28	22°15	n.a.	W28
T 29	0 3 19	29° 6'38	6♐28	0♎ 8	15°36	0°46	7°41	23°45	10°40	5°17	15° 0	18°55	19°24	22°22	n.a.	T 29
F 30	0 7 15	0♎ 6'56	20♐38	1♎45	16♏42	0♊55	7♑45	23♐48	10♉38	5♏19	14♒59	18°D55	19♊21	22♉28	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n12	17s18	2n14	18n17	1n27	6s43	1s13	17n50	0s52	24s29	0s54	23s31	0n 5	15n 6	0s18	11s30	1n49	31s12	15s34	23n31	23n27	15n11		n.a.
F 2	10 50	21 11	1 4	18 0	1 34	7 14	1 17	17 57	0 51	24 29	0 54	23 31	0 5	15 6	0 18	11 31	1 49	31 12	15 34	23 31	23 27	15 14		n.a.
S 3	10 29	23 48	0s10	17 39	1 41	7 45	1 21	18 4	0 50	24 29	0 54	23 31	0 5	15 6	0 18	11 31	1 49	31 12	15 34	23 31	23 27	15 16		n.a.
S 4	10 7	24 55	1 22	17 16	1 46	8 15	1 25	18 11	0 49	24 29	0 54	23 31	0 5	15 6	0 18	11 32	1 49	31 12	15 34	23 31	23 27	15 19		n.a.
M 5	9 45	24 31	2 29	16 50	1 50	8 46	1 29	18 18	0 48	24 29	0 54	23 32	0 4	15 6	0 18	11 32	1 49	31 13	15 34	23 31	23 27	15 21		n.a.
T 6	9 23	22 39	3 27	16 22	1 53	9 16	1 33	18 25	0 46	24 29	0 54	23 32	0 4	15 5	0 18	11 33	1 49	31 13	15 34	23 31	23 26	15 24		n.a.
W 7	9 0	19 33	4 12	15 52	1 55	9 46	1 37	18 32	0 45	24 29	0 54	23 32	0 4	15 5	0 18	11 33	1 49	31 13	15 33	23 30	23 26	15 26		n.a.
T 8	8 38	15 30	4 43	15 19	1 56	10 16	1 41	18 38	0 44	24 29	0 54	23 32	0 4	15 5	0 18	11 34	1 49	31 13	15 33	23 30	23 26	15 29		n.a.
F 9	8 15	10 47	4 58	14 45	1 57	10 46	1 45	18 45	0 43	24 29	0 54	23 32	0 4	15 5	0 18	11 34	1 49	31 14	15 33	23 29	23 26	15 31		n.a.
S 10	7 53	5 42	4 59	14 9	1 56	11 15	1 49	18 51	0 41	24 29	0 54	23 32	0 4	15 4	0 18	11 35	1 49	31 14	15 33	23 28	23 25	15 34		n.a.
S 11	7 30	0 30	4 45	13 32	1 55	11 44	1 53	18 57	0 40	24 29	0 54	23 32	0 4	15 4	0 18	11 35	1 49	31 14	15 33	23 27	23 25	15 36		n.a.
M12	7 7	4n39	4 18	12 53	1 54	12 13	1 57	19 3	0 38	24 29	0 54	23 32	0 4	15 4	0 18	11 36	1 48	31 14	15 33	23 26	23 25	15 39		n.a.
T 13	6 44	9 33	3 39	12 13	1 52	12 42	2 1	19 9	0 37	24 29	0 54	23 33	0 4	15 3	0 18	11 37	1 48	31 15	15 33	23 26	23 25	15 41		n.a.
W14	6 20	14 3	2 52	11 33	1 49	13 10	2 5	19 14	0 36	24 29	0 54	23 33	0 4	15 3	0 18	11 37	1 48	31 15	15 33	23 25	23 24	15 44		n.a.
T 15	5 57	18 0	1 57	10 51	1 46	13 38	2 9	19 20	0 34	24 29	0 54	23 33	0 4	15 3	0 18	11 38	1 48	31 15	15 32	23 25	23 24	15 46		n.a.
F 16	5 34	21 13	0 57	10 9	1 43	14 6	2 13	19 26	0 33	24 28	0 54	23 33	0 3	15 2	0 18	11 38	1 48	31 15	15 32	23 25	23 24	15 49		n.a.
S 17	5 10	23 34	0n 5	9 26	1 39	14 34	2 16	19 31	0 31	24 28	0 54	23 33	0 3	15 2	0 18	11 39	1 48	31 15	15 32	23 25	23 24	15 51		n.a.
S 18	4 46	24 53	1 9	8 42	1 34	15 1	2 20	19 36	0 30	24 28	0 54	23 33	0 3	15 2	0 18	11 40	1 48	31 15	15 32	23 25	23 23	15 54		n.a.
M19	4 23	24 59	2 10	7 58	1 30	15 28	2 24	19 41	0 28	24 28	0 54	23 33	0 3	15 1	0 18	11 40	1 48	31 16	15 32	23 25	23 23	15 56		n.a.
T 20	3 59	23 49	3 7	7 13	1 25	15 54	2 27	19 46	0 27	24 28	0 54	23 34	0 3	15 1	0 18	11 41	1 48	31 16	15 32	23 24	23 23	15 59		n.a.
W21	3 35	21 20	3 56	6 29	1 20	16 20	2 31	19 51	0 25	24 28	0 53	23 34	0 3	15 0	0 18	11 41	1 48	31 16	15 31	23 24	23 23	16 1		n.a.
T 22	3 11	17 36	4 33	5 44	1 15	16 46	2 35	19 56	0 23	24 27	0 53	23 34	0 3	15 0	0 18	11 42	1 48	31 16	15 31	23 23	23 23	16 4		n.a.
F 23	2 47	12 49	4 55	4 59	1 9	17 11	2 38	20 0	0 22	24 27	0 53	23 34	0 3	15 0	0 18	11 43	1 48	31 16	15 31	23 22	23 22	16 6		n.a.
S 24	2 23	7 13	5 0	4 13	1 3	17 36	2 42	20 5	0 20	24 27	0 53	23 34	0 3	14 59	0 18	11 43	1 48	31 16	15 31	23 21	23 22	16 9		n.a.
S 25	1 59	1 8	4 45	3 28	0 57	18 1	2 45	20 9	0 18	24 27	0 53	23 34	0 3	14 59	0 18	11 44	1 48	31 16	15 31	23 20	23 22	16 11		n.a.
M26	1 34	5s 5	4 11	2 43	0 51	18 25	2 48	20 13	0 16	24 27	0 53	23 35	0 3	14 58	0 18	11 45	1 48	31 16	15 30	23 20	23 22	16 14		n.a.
T 27	1 10	11 2	3 20	1 57	0 45	18 48	2 51	20 17	0 15	24 26	0 53	23 35	0 2	14 58	0 18	11 45	1 48	31 16	15 30	23 19	23 21	16 16		n.a.
W28	0 46	16 20	2 17	1 12	0 39	19 12	2 55	20 21	0 13	24 26	0 53	23 35	0 2	14 57	0 18	11 46	1 48	31 17	15 30	23 19	23 21	16 19		n.a.
T 29	0 22	20 37	1 5	0 27	0 33	19 34	2 58	20 25	0 11	24 26	0 53	23 35	0 2	14 56	0 18	11 47	1 48	31 17	15 30	23 18	23 21	16 21		n.a.
F 30	0s 3	23s35	0s 9	0s18	0n26	19s57	3s 1	20n29	0s 9	24s26	0s53	23s35	0n 2	14n56	0s18	11s47	1n48	31s17	15s29	23n18	23n20	16n24		n.a.

Julian Day Number = 1480236.5, Delta T = 05h23m21s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'36, Lahiri = -13°04'35 Julian Calendar 1 Sept. 661 BCE == Greg. Calendar 25 Aug. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

OCTOBER 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 11 12	1♎ 7'15	4♑32	3♎22	17♏47	1♊ 4	7♑49	23♐51	10°R36	5♏21	14°R58	18°R55	19♊18	22♉35	n.a.	S 1
S 2	0 15 8	2° 7'36	18°12	4°58	18°52	1°11	7°53	23°53	10♉34	5°23	14♒58	18♊54	19°15	22°42	n.a.	S 2
M 3	0 19 5	3° 7'58	1♒37	6°34	19°57	1°18	7°58	23°56	10°33	5°25	14°57	18°51	19°12	22°48	n.a.	M 3
T 4	0 23 1	4° 8'22	14°50	8°10	21° 1	1°24	8° 2	23°59	10°31	5°27	14°56	18°45	19° 8	22°55	n.a.	T 4
W 5	0 26 58	5° 8'47	27°51	9°45	22° 6	1°30	8° 7	24° 2	10°29	5°29	14°55	18°37	19° 5	23° 2	n.a.	W 5
T 6	0 30 55	6° 9'14	10♓41	11°20	23°10	1°34	8°12	24° 5	10°27	5°31	14°55	18°26	19° 2	23° 8	n.a.	T 6
F 7	0 34 51	7° 9'42	23°19	12°55	24°13	1°38	8°17	24° 8	10°25	5°33	14°54	18°13	18°59	23°15	n.a.	F 7
S 8	0 38 48	8°10'12	5♈47	14°29	25°17	1°41	8°23	24°11	10°23	5°35	14°53	18° 0	18°56	23°22	n.a.	S 8
S 9	0 42 44	9°10'44	18° 3	16° 3	26°20	1°43	8°28	24°15	10°21	5°37	14°53	17°47	18°53	23°28	n.a.	S 9
M10	0 46 41	10°11'18	0♉ 9	17°36	27°23	1°45	8°34	24°18	10°19	5°39	14°52	17°37	18°49	23°35	n.a.	M10
T 11	0 50 37	11°11'53	12° 6	19°10	28°25	1°R45	8°40	24°22	10°17	5°41	14°52	17°28	18°46	23°42	n.a.	T 11
W12	0 54 34	12°12'30	23°57	20°43	29°28	1°45	8°46	24°25	10°14	5°43	14°51	17°23	18°43	23°48	n.a.	W12
T 13	0 58 30	13°13'09	5♊43	22°15	0♐30	1°44	8°52	24°29	10°12	5°45	14°50	17°20	18°40	23°55	n.a.	T 13
F 14	1 2 27	14°13'50	17°30	23°48	1°31	1°42	8°58	24°33	10°10	5°48	14°50	17°D19	18°37	24° 2	n.a.	F 14
S 15	1 6 24	15°14'32	29°22	25°20	2°32	1°40	9° 5	24°37	10° 8	5°50	14°49	17°20	18°34	24° 8	n.a.	S 15
S 16	1 10 20	16°15'16	11♋25	26°52	3°33	1°36	9°11	24°41	10° 6	5°52	14°49	17°R20	18°30	24°15	n.a.	S 16
M17	1 14 17	17°16'02	23°43	28°24	4°34	1°32	9°18	24°45	10° 3	5°54	14°48	17°20	18°27	24°22	n.a.	M17
T 18	1 18 13	18°16'50	6♌22	29°55	5°34	1°26	9°25	24°49	10° 1	5°56	14°48	17°18	18°24	24°28	n.a.	T 18
W19	1 22 10	19°17'40	19°26	1♏27	6°34	1°20	9°32	24°53	9°59	5°58	14°48	17°14	18°21	24°35	n.a.	W19
T 20	1 26 6	20°18'31	2♍59	2°58	7°33	1°13	9°40	24°57	9°56	6° 1	14°47	17° 8	18°18	24°42	n.a.	T 20
F 21	1 30 3	21°19'23	17° 1	4°28	8°32	1° 5	9°47	25° 2	9°54	6° 3	14°47	17° 0	18°14	24°48	n.a.	F 21
S 22	1 33 59	22°20'17	1♎29	5°59	9°30	0°57	9°55	25° 6	9°52	6° 5	14°46	16°51	18°11	24°55	n.a.	S 22
S 23	1 37 56	23°21'13	16°19	7°29	10°28	0°47	10° 3	25°11	9°49	6° 7	14°46	16°42	18° 8	25° 2	n.a.	S 23
M24	1 41 52	24°22'10	1♏22	8°59	11°26	0°36	10°11	25°15	9°47	6° 9	14°46	16°34	18° 5	25° 8	n.a.	M24
T 25	1 45 49	25°23'08	16°28	10°28	12°23	0°25	10°19	25°20	9°44	6°12	14°46	16°29	18° 2	25°15	n.a.	T 25
W26	1 49 46	26°24'07	1♐28	11°57	13°19	0°13	10°27	25°25	9°42	6°14	14°45	16°26	17°59	25°22	n.a.	W26
T 27	1 53 42	27°25'07	16°14	13°26	14°15	29♉59	10°35	25°29	9°39	6°16	14°45	16°D25	17°55	25°28	n.a.	T 27
F 28	1 57 39	28°26'09	0♑41	14°54	15°11	29°46	10°44	25°34	9°37	6°18	14°45	16°25	17°52	25°35	n.a.	F 28
S 29	2 1 35	29°27'11	14°46	16°22	16° 5	29°32	10°53	25°39	9°34	6°21	14°45	16°26	17°49	25°42	n.a.	S 29
S 30	2 5 32	0♏28'14	28°28	17°49	16°59	29°16	11° 1	25°44	9°32	6°23	14°45	16°R27	17°46	25°48	n.a.	S 30
M31	2 9 28	1♏29'17	11♒50	19♏15	17♐53	29♉ 0	11♑10	25♐49	9♉29	6♏25	14♒44	16♊27	17♊43	25♉55	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s27	25s 4	1s22	1s 3	0n20	20s18	3s 4	20n33	0s 7	24s25	0s53	23s36	0n 2	14n55	0s18	11s48	1n48	31s17	15s29	23n18	23n20	16n26		n.a.
S 2	0 51	24 58	2 28	1 48	0 13	20 40	3 7	20 36	0 5	24 25	0 53	23 36	0 2	14 55	0 18	11 49	1 48	31 17	15 29	23 18	23 20	16 29		n.a.
M 3	1 16	23 25	3 26	2 33	0 7	21 1	3 9	20 39	0 3	24 25	0 53	23 36	0 2	14 54	0 18	11 49	1 48	31 17	15 29	23 18	23 20	16 31		n.a.
T 4	1 40	20 36	4 11	3 17	0 0	21 21	3 12	20 43	0 1	24 24	0 53	23 36	0 2	14 54	0 18	11 50	1 47	31 17	15 28	23 18	23 19	16 33		n.a.
W 5	2 4	16 47	4 42	4 1	0s 7	21 41	3 15	20 46	0n 1	24 24	0 53	23 37	0 2	14 53	0 18	11 51	1 47	31 17	15 28	23 17	23 19	16 36		n.a.
T 6	2 29	12 15	4 59	4 45	0 13	22 0	3 17	20 49	0 3	24 24	0 53	23 37	0 2	14 52	0 18	11 52	1 47	31 17	15 28	23 16	23 19	16 38		n.a.
F 7	2 53	7 16	5 0	5 28	0 20	22 19	3 20	20 52	0 5	24 23	0 53	23 37	0 2	14 52	0 18	11 52	1 47	31 17	15 28	23 15	23 19	16 41		n.a.
S 8	3 17	2 4	4 47	6 11	0 26	22 37	3 22	20 54	0 7	24 23	0 52	23 37	0 1	14 51	0 18	11 53	1 47	31 17	15 27	23 13	23 18	16 43		n.a.
S 9	3 41	3n10	4 21	6 54	0 33	22 54	3 24	20 57	0 9	24 22	0 52	23 37	0 1	14 50	0 18	11 54	1 47	31 17	15 27	23 12	23 18	16 46		n.a.
M10	4 5	8 12	3 43	7 36	0 39	23 11	3 26	20 59	0 11	24 22	0 52	23 38	0 1	14 50	0 18	11 54	1 47	31 16	15 27	23 11	23 18	16 48		n.a.
T 11	4 29	12 53	2 56	8 18	0 45	23 28	3 28	21 2	0 14	24 21	0 52	23 38	0 1	14 49	0 18	11 55	1 47	31 16	15 27	23 11	23 18	16 51		n.a.
W12	4 53	17 4	2 1	9 0	0 52	23 44	3 30	21 4	0 16	24 21	0 52	23 38	0 1	14 48	0 18	11 56	1 47	31 16	15 26	23 10	23 17	16 53		n.a.
T 13	5 17	20 33	1 2	9 41	0 58	23 59	3 32	21 6	0 18	24 21	0 52	23 38	0 1	14 48	0 18	11 57	1 47	31 16	15 26	23 10	23 17	16 55		n.a.
F 14	5 41	23 12	0n 1	10 21	1 4	24 14	3 33	21 8	0 21	24 20	0 52	23 39	0 1	14 47	0 18	11 57	1 47	31 16	15 26	23 10	23 17	16 58		n.a.
S 15	6 5	24 51	1 4	11 1	1 10	24 28	3 35	21 9	0 23	24 20	0 52	23 39	0 1	14 46	0 18	11 58	1 47	31 16	15 25	23 10	23 16	17 0		n.a.
S 16	6 29	25 21	2 5	11 40	1 16	24 41	3 36	21 11	0 25	24 19	0 52	23 39	0 1	14 46	0 18	11 59	1 47	31 16	15 25	23 10	23 16	17 3		n.a.
M17	6 52	24 39	3 2	12 19	1 22	24 54	3 37	21 13	0 28	24 18	0 52	23 39	0 1	14 45	0 18	12 0	1 47	31 16	15 25	23 10	23 16	17 5		n.a.
T 18	7 16	22 41	3 52	12 57	1 27	25 6	3 38	21 14	0 30	24 18	0 52	23 40	0 1	14 44	0 18	12 0	1 47	31 16	15 24	23 10	23 16	17 8		n.a.
W19	7 39	19 29	4 31	13 35	1 33	25 18	3 39	21 15	0 33	24 17	0 52	23 40	0 1	14 43	0 18	12 1	1 47	31 15	15 24	23 9	23 15	17 10		n.a.
T 20	8 3	15 9	4 57	14 12	1 38	25 29	3 40	21 16	0 35	24 17	0 52	23 40	0 1	14 43	0 18	12 2	1 47	31 15	15 24	23 9	23 15	17 12		n.a.
F 21	8 26	9 53	5 6	14 48	1 43	25 39	3 40	21 17	0 38	24 16	0 52	23 40	0 0	14 42	0 18	12 3	1 47	31 15	15 24	23 8	23 15	17 15		n.a.
S 22	8 49	3 55	4 56	15 23	1 48	25 49	3 41	21 17	0 40	24 15	0 52	23 41	0 0	14 41	0 18	12 3	1 47	31 15	15 23	23 7	23 15	17 17		n.a.
S 23	9 12	2s25	4 26	15 58	1 52	25 58	3 41	21 18	0 43	24 15	0 52	23 41	0 0	14 40	0 18	12 4	1 47	31 15	15 23	23 6	23 14	17 20		n.a.
M24	9 35	8 43	3 38	16 32	1 57	26 7	3 41	21 18	0 45	24 14	0 52	23 41	0 0	14 40	0 18	12 5	1 47	31 15	15 23	23 5	23 14	17 22		n.a.
T 25	9 57	14 32	2 34	17 5	2 1	26 15	3 41	21 18	0 48	24 14	0 52	23 41	0 0	14 39	0 18	12 6	1 47	31 14	15 22	23 5	23 14	17 24		n.a.
W26	10 20	19 27	1 20	17 37	2 5	26 22	3 41	21 18	0 51	24 13	0 52	23 42	0 0	14 38	0 18	12 6	1 47	31 14	15 22	23 4	23 13	17 27		n.a.
T 27	10 42	23 2	0 1	18 7	2 8	26 28	3 40	21 18	0 53	24 12	0 51	23 42	0s 0	14 37	0 18	12 7	1 47	31 14	15 22	23 4	23 13	17 29		n.a.
F 28	11 4	25 3	1s16	18 37	2 11	26 34	3 39	21 18	0 56	24 11	0 51	23 42	0 0	14 36	0 18	12 8	1 47	31 14	15 21	23 4	23 13	17 32		n.a.
S 29	11 26	25 23	2 27	19 6	2 14	26 40	3 39	21 17	0 59	24 11	0 51	23 42	0 0	14 36	0 18	12 9	1 47	31 13	15 21	23 4	23 12	17 34		n.a.
S 30	11 48	24 8	3 28	19 34	2 17	26 44	3 37	21 16	1 1	24 10	0 51	23 43	0 0	14 35	0 18	12 9	1 47	31 13	15 21	23 5	23 12	17 36		n.a.
M31	12s 9	21s33	4s15	20s 0	2s19	26s48	3s36	21n15	1n 4	24s 9	0s51	23s43	0s 0	14n34	0s18	12s10	1n47	31s13	15s20	23n 4	23n12	17n39		n.a.

Julian Day Number = 1480266.5, Delta T = 05h23m20s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'32, Lahiri = -13°04'31 Julian Calendar 1 Oct. 661 BCE == Greg. Calendar 24 Sept. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

NOVEMBER 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 13 25	2♏30'21	24♒53	20♏40	18♐46	28°R43	11♑19	25♐55	9°R27	6♏27	14°R44	16°R24	17♊39	26♉ 1	n.a.	T 1
W 2	2 17 22	3°31'26	7♓40	22° 4	19°38	28♉26	11°29	26° 0	9♉24	6°30	14♒44	16♊20	17°36	26° 8	n.a.	W 2
T 3	2 21 18	4°32'31	20°14	23°26	20°29	28° 8	11°38	26° 5	9°22	6°32	14°44	16°13	17°33	26°15	n.a.	T 3
F 4	2 25 15	5°33'37	2♈36	24°47	21°20	27°49	11°47	26°10	9°19	6°34	14°44	16° 6	17°30	26°21	n.a.	F 4
S 5	2 29 11	6°34'44	14°48	26° 7	22°10	27°29	11°57	26°16	9°17	6°36	14°D44	15°58	17°27	26°28	n.a.	S 5
S 6	2 33 8	7°35'52	26°52	27°24	22°59	27° 9	12° 7	26°21	9°14	6°39	14°44	15°51	17°24	26°35	n.a.	S 6
M 7	2 37 4	8°37'00	8♉49	28°39	23°47	26°49	12°16	26°27	9°12	6°41	14°44	15°44	17°20	26°41	n.a.	M 7
T 8	2 41 1	9°38'09	20°40	29°52	24°34	26°28	12°26	26°33	9° 9	6°43	14°44	15°40	17°17	26°48	n.a.	T 8
W 9	2 44 57	10°39'19	2♊28	1♐ 1	25°20	26° 6	12°36	26°38	9° 6	6°46	14°44	15°37	17°14	26°55	n.a.	W 9
T 10	2 48 54	11°40'29	14°16	2° 7	26° 5	25°44	12°47	26°44	9° 4	6°48	14°44	15°D36	17°11	27° 1	n.a.	T 10
F 11	2 52 51	12°41'41	26° 4	3° 8	26°50	25°22	12°57	26°50	9° 1	6°50	14°44	15°36	17° 8	27° 8	n.a.	F 11
S 12	2 56 47	13°42'53	7♋58	4° 4	27°33	24°59	13° 7	26°56	8°59	6°52	14°45	15°38	17° 5	27°15	n.a.	S 12
S 13	3 0 44	14°44'06	20° 1	4°55	28°15	24°36	13°18	27° 1	8°56	6°55	14°45	15°40	17° 1	27°21	n.a.	S 13
M14	3 4 40	15°45'20	2♌18	5°40	28°56	24°12	13°29	27° 7	8°54	6°57	14°45	15°41	16°58	27°28	n.a.	M14
T 15	3 8 37	16°46'34	14°53	6°17	29°36	23°49	13°39	27°13	8°51	6°59	14°45	15°R42	16°55	27°35	n.a.	T 15
W16	3 12 33	17°47'49	27°50	6°46	0♎15	23°25	13°50	27°20	8°49	7° 1	14°45	15°42	16°52	27°41	n.a.	W16
T 17	3 16 30	18°49'05	11♍14	7° 7	0°52	23° 1	14° 1	27°26	8°46	7° 4	14°46	15°40	16°49	27°48	n.a.	T 17
F 18	3 20 26	19°50'21	25° 6	7°R17	1°28	22°37	14°12	27°32	8°44	7° 6	14°46	15°37	16°45	27°55	n.a.	F 18
S 19	3 24 23	20°51'38	9♎27	7°17	2° 3	22°13	14°23	27°38	8°41	7° 8	14°46	15°34	16°42	28° 1	n.a.	S 19
S 20	3 28 20	21°52'56	24°13	7° 6	2°36	21°49	14°35	27°44	8°39	7°10	14°47	15°30	16°39	28° 8	n.a.	S 20
M21	3 32 16	22°54'14	9♏17	6°42	3° 7	21°25	14°46	27°51	8°36	7°12	14°47	15°27	16°36	28°15	n.a.	M21
T 22	3 36 13	23°55'32	24°31	6° 7	3°37	21° 2	14°58	27°57	8°34	7°15	14°48	15°25	16°33	28°21	n.a.	T 22
W23	3 40 9	24°56'50	9♐45	5°21	4° 6	20°38	15° 9	28° 3	8°31	7°17	14°48	15°D24	16°30	28°28	n.a.	W23
T 24	3 44 6	25°58'09	24°49	4°24	4°33	20°15	15°21	28°10	8°29	7°19	14°48	15°24	16°26	28°35	n.a.	T 24
F 25	3 48 2	26°59'27	9♑35	3°18	4°58	19°52	15°33	28°16	8°27	7°21	14°49	15°25	16°23	28°41	n.a.	F 25
S 26	3 51 59	28° 0'45	23°56	2° 4	5°21	19°29	15°45	28°23	8°24	7°23	14°49	15°26	16°20	28°48	n.a.	S 26
S 27	3 55 56	29° 2'03	7♒52	0°45	5°42	19° 7	15°56	28°29	8°22	7°25	14°50	15°27	16°17	28°55	n.a.	S 27
M28	3 59 52	0♐ 3'20	21°22	29♏24	6° 2	18°45	16° 9	28°36	8°20	7°28	14°50	15°28	16°14	29° 1	n.a.	M28
T 29	4 3 49	1° 4'37	4♓27	28° 3	6°19	18°23	16°21	28°43	8°17	7°30	14°51	15°R28	16°11	29° 8	n.a.	T 29
W30	4 7 45	2♐ 5'54	17♓11	26♏45	6♑34	18♉ 2	16♑33	28♐49	8♉15	7♏32	14♒52	15♊28	16♊ 7	29♉14	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s31	17s55	4s48	20s25	2s20	26s51	3s35	21n14	1n 7	24s 8	0s51	23s43	0s 0	14n33	0s18	12s11	1n47	31s13	15s20	23n 4	23n12	17n41		n.a.
W 2	12 52	13 31	5 6	20 49	2 21	26 54	3 33	21 13	1 9	24 7	0 51	23 43	0 1	14 32	0 18	12 12	1 47	31 12	15 20	23 4	23 11	17 43		n.a.
T 3	13 13	8 38	5 9	21 11	2 22	26 56	3 31	21 11	1 12	24 6	0 51	23 44	0 1	14 32	0 18	12 12	1 47	31 12	15 19	23 3	23 11	17 46		n.a.
F 4	13 34	3 29	4 57	21 31	2 22	26 58	3 29	21 10	1 15	24 6	0 51	23 44	0 1	14 31	0 18	12 13	1 47	31 12	15 19	23 2	23 11	17 48		n.a.
S 5	13 54	1n45	4 32	21 50	2 21	26 59	3 27	21 8	1 17	24 5	0 51	23 44	0 1	14 30	0 18	12 14	1 47	31 11	15 19	23 1	23 10	17 51		n.a.
S 6	14 14	6 51	3 54	22 7	2 20	26 59	3 24	21 6	1 20	24 4	0 51	23 44	0 1	14 29	0 18	12 15	1 47	31 11	15 18	23 1	23 10	17 53		n.a.
M 7	14 34	11 41	3 7	22 23	2 18	26 59	3 21	21 3	1 23	24 3	0 51	23 45	0 1	14 28	0 18	12 15	1 47	31 11	15 18	23 0	23 10	17 55		n.a.
T 8	14 54	16 3	2 12	22 36	2 15	26 58	3 18	21 1	1 25	24 2	0 51	23 45	0 1	14 28	0 18	12 16	1 47	31 10	15 18	22 59	23 9	17 58		n.a.
W 9	15 14	19 47	1 11	22 48	2 11	26 56	3 15	20 58	1 28	24 1	0 51	23 45	0 1	14 27	0 18	12 17	1 47	31 10	15 17	22 59	23 9	18 0		n.a.
T 10	15 33	22 43	0 7	22 57	2 7	26 54	3 11	20 55	1 30	24 0	0 51	23 45	0 1	14 26	0 18	12 18	1 47	31 10	15 17	22 59	23 9	18 2		n.a.
F 11	15 52	24 40	0n57	23 4	2 1	26 51	3 7	20 52	1 33	23 59	0 51	23 45	0 1	14 25	0 18	12 18	1 47	31 9	15 17	22 59	23 9	18 5		n.a.
S 12	16 11	25 31	2 0	23 8	1 55	26 48	3 3	20 49	1 35	23 58	0 51	23 46	0 1	14 24	0 18	12 19	1 47	31 9	15 16	22 59	23 8	18 7		n.a.
S 13	16 29	25 11	2 58	23 10	1 47	26 44	2 58	20 46	1 38	23 57	0 51	23 46	0 1	14 24	0 18	12 20	1 47	31 9	15 16	22 59	23 8	18 9		n.a.
M14	16 47	23 38	3 49	23 9	1 38	26 40	2 54	20 42	1 40	23 55	0 51	23 46	0 1	14 23	0 18	12 21	1 47	31 8	15 16	23 0	23 8	18 12		n.a.
T 15	17 5	20 54	4 30	23 6	1 28	26 35	2 48	20 39	1 43	23 54	0 51	23 46	0 2	14 22	0 18	12 21	1 47	31 8	15 15	23 0	23 7	18 14		n.a.
W16	17 23	17 4	4 59	23 0	1 16	26 30	2 43	20 35	1 45	23 53	0 51	23 46	0 2	14 21	0 18	12 22	1 47	31 8	15 15	23 0	23 7	18 16		n.a.
T 17	17 40	12 16	5 14	22 50	1 3	26 24	2 37	20 31	1 47	23 52	0 51	23 47	0 2	14 20	0 18	12 23	1 47	31 7	15 15	23 0	23 7	18 19		n.a.
F 18	17 57	6 42	5 10	22 38	0 49	26 17	2 31	20 27	1 50	23 51	0 51	23 47	0 2	14 20	0 18	12 24	1 47	31 7	15 14	22 59	23 6	18 21		n.a.
S 19	18 13	0 36	4 48	22 22	0 33	26 10	2 25	20 23	1 52	23 49	0 51	23 47	0 2	14 19	0 18	12 24	1 47	31 6	15 14	22 59	23 6	18 23		n.a.
S 20	18 30	5s43	4 6	22 4	0 16	26 3	2 18	20 19	1 54	23 48	0 51	23 47	0 2	14 18	0 18	12 25	1 47	31 6	15 14	22 58	23 6	18 26		n.a.
M21	18 45	11 51	3 6	21 42	0n 2	25 55	2 11	20 14	1 56	23 47	0 51	23 47	0 2	14 17	0 18	12 26	1 47	31 5	15 13	22 58	23 5	18 28		n.a.
T 22	19 1	17 21	1 53	21 17	0 22	25 47	2 4	20 10	1 58	23 46	0 51	23 48	0 2	14 16	0 18	12 26	1 47	31 5	15 13	22 58	23 5	18 30		n.a.
W23	19 16	21 43	0 31	20 49	0 41	25 38	1 56	20 5	2 0	23 44	0 51	23 48	0 2	14 16	0 18	12 27	1 47	31 5	15 13	22 58	23 5	18 32		n.a.
T 24	19 31	24 32	0s52	20 19	1 2	25 29	1 48	20 1	2 2	23 43	0 51	23 48	0 2	14 15	0 18	12 28	1 47	31 4	15 12	22 58	23 4	18 35		n.a.
F 25	19 46	25 35	2 10	19 46	1 22	25 20	1 39	19 56	2 4	23 41	0 51	23 48	0 2	14 14	0 18	12 28	1 47	31 4	15 12	22 58	23 4	18 37		n.a.
S 26	20 0	24 52	3 18	19 13	1 41	25 10	1 30	19 52	2 6	23 40	0 51	23 48	0 2	14 13	0 18	12 29	1 47	31 3	15 12	22 58	23 4	18 39		n.a.
S 27	20 13	22 36	4 11	18 39	2 0	25 0	1 21	19 47	2 7	23 39	0 50	23 48	0 2	14 13	0 18	12 30	1 47	31 3	15 11	22 58	23 3	18 42		n.a.
M28	20 27	19 8	4 49	18 5	2 16	24 49	1 11	19 42	2 9	23 37	0 50	23 49	0 3	14 12	0 18	12 31	1 47	31 2	15 11	22 58	23 3	18 44		n.a.
T 29	20 40	14 49	5 11	17 33	2 31	24 38	1 1	19 38	2 11	23 36	0 50	23 49	0 3	14 11	0 18	12 31	1 47	31 2	15 11	22 58	23 3	18 46		n.a.
W30	20s52	9s58	5s17	17s 2	2n44	24s27	0s51	19n33	2n12	23s34	0s50	23s49	0s 3	14n10	0s18	12s32	1n47	31s 1	15s11	22n58	23n 2	18n48		n.a.

Julian Day Number = 1480297.5, Delta T = 05h23m18s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'27, Lahiri = -13°04'27 Julian Calendar 1 Nov. 661 BCE == Greg. Calendar 25 Oct. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 661 BCE
geocentric

DECEMBER 661 BCE (-660) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 11 42	3♐ 7'10	29♓38	25°R32	6♑47	17°R42	16♑45	28♐56	8°R13	7♏34	14♒52	15°R27	16♊ 4	29♉21	n.a.	T 1
F 2	4 15 38	4° 8'25	11♈50	24♏26	6°58	17♉22	16°57	29° 3	8♉10	7°36	14°53	15♊25	16° 1	29°28	n.a.	F 2
S 3	4 19 35	5° 9'40	23°52	23°28	7° 6	17° 3	17°10	29° 9	8° 8	7°38	14°54	15°24	15°58	29°34	n.a.	S 3
S 4	4 23 31	6°10'55	5♉47	22°40	7°13	16°44	17°22	29°16	8° 6	7°40	14°54	15°22	15°55	29°41	n.a.	S 4
M 5	4 27 28	7°12'09	17°37	22° 2	7°16	16°26	17°35	29°23	8° 4	7°42	14°55	15°21	15°51	29°48	n.a.	M 5
T 6	4 31 25	8°13'23	29°25	21°34	7°R18	16° 9	17°48	29°30	8° 2	7°44	14°56	15°20	15°48	29°54	n.a.	T 6
W 7	4 35 21	9°14'36	11♊13	21°16	7°17	15°52	18° 0	29°37	8° 0	7°46	14°56	15°D20	15°45	0♊ 1	n.a.	W 7
T 8	4 39 18	10°15'49	23° 4	21°D 7	7°13	15°36	18°13	29°44	7°58	7°48	14°57	15°20	15°42	0° 8	n.a.	T 8
F 9	4 43 14	11°17'02	4♋59	21° 7	7° 7	15°21	18°26	29°51	7°56	7°50	14°58	15°20	15°39	0°14	n.a.	F 9
S 10	4 47 11	12°18'14	17° 1	21°15	6°58	15° 7	18°39	29°58	7°54	7°52	14°59	15°21	15°36	0°21	n.a.	S 10
S 11	4 51 7	13°19'26	29°11	21°32	6°47	14°53	18°52	0♑ 5	7°52	7°54	15° 0	15°21	15°32	0°28	n.a.	S 11
M12	4 55 4	14°20'37	11♌34	21°55	6°33	14°40	19° 5	0°12	7°50	7°56	15° 1	15°21	15°29	0°34	n.a.	M12
T 13	4 59 1	15°21'47	24°12	22°24	6°17	14°28	19°18	0°19	7°48	7°58	15° 1	15°R21	15°26	0°41	n.a.	T 13
W14	5 2 57	16°22'58	7♍ 8	22°59	5°58	14°17	19°31	0°26	7°46	8° 0	15° 2	15°21	15°23	0°48	n.a.	W14
T 15	5 6 54	17°24'07	20°25	23°40	5°37	14° 6	19°45	0°33	7°44	8° 2	15° 3	15°D21	15°20	0°54	n.a.	T 15
F 16	5 10 50	18°25'17	4♎ 5	24°25	5°13	13°56	19°58	0°40	7°42	8° 3	15° 4	15°21	15°17	1° 1	n.a.	F 16
S 17	5 14 47	19°26'25	18° 9	25°15	4°48	13°48	20°11	0°47	7°41	8° 5	15° 5	15°21	15°13	1° 8	n.a.	S 17
S 18	5 18 43	20°27'34	2♏37	26° 8	4°21	13°39	20°25	0°54	7°39	8° 7	15° 6	15°22	15°10	1°14	n.a.	S 18
M19	5 22 40	21°28'41	17°25	27° 4	3°51	13°32	20°38	1° 1	7°37	8° 9	15° 7	15°22	15° 7	1°21	n.a.	M19
T 20	5 26 36	22°29'48	2♐27	28° 4	3°20	13°26	20°52	1° 9	7°36	8°11	15° 8	15°23	15° 4	1°27	n.a.	T 20
W21	5 30 33	23°30'55	17°35	29° 7	2°47	13°20	21° 5	1°16	7°34	8°12	15° 9	15°R23	15° 1	1°34	n.a.	W21
T 22	5 34 30	24°32'00	2♑40	0♐12	2°13	13°15	21°19	1°23	7°33	8°14	15°10	15°23	14°57	1°41	n.a.	T 22
F 23	5 38 26	25°33'04	17°34	1°20	1°38	13°11	21°33	1°30	7°31	8°16	15°11	15°22	14°54	1°47	n.a.	F 23
S 24	5 42 23	26°34'07	2♒ 8	2°29	1° 2	13° 8	21°46	1°37	7°30	8°17	15°12	15°21	14°51	1°54	n.a.	S 24
S 25	5 46 19	27°35'09	16°16	3°41	0°26	13° 5	22° 0	1°44	7°28	8°19	15°13	15°19	14°48	2° 1	n.a.	S 25
M26	5 50 16	28°36'09	29°58	4°54	29♐49	13° 4	22°14	1°52	7°27	8°21	15°15	15°17	14°45	2° 7	n.a.	M26
T 27	5 54 12	29°37'08	13♓12	6° 9	29°11	13° 3	22°28	1°59	7°26	8°22	15°16	15°16	14°42	2°14	n.a.	T 27
W28	5 58 9	0♑38'05	26° 1	7°25	28°34	13°D 3	22°42	2° 6	7°24	8°24	15°17	15°D15	14°38	2°21	n.a.	W28
T 29	6 2 5	1°39'01	8♈28	8°43	27°58	13° 3	22°56	2°13	7°23	8°25	15°18	15°16	14°35	2°27	n.a.	T 29
F 30	6 6 2	2°39'55	20°39	10° 2	27°21	13° 5	23°10	2°20	7°22	8°27	15°19	15°16	14°32	2°34	n.a.	F 30
S 31	6 9 59	3♑40'48	2♉37	11♐23	26♐46	13♉ 7	23♑24	2♑28	7♉21	8♏28	15♒21	15♊18	14♊29	2♊41	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21s 5	4s50	5s 7	16s35	2n55	24s15	0s40	19n29	2n13	23s33	0s50	23s49	0s 3	14n10	0s18	12s33	1n47	31s 1	15s10	22n58	23n 2	18n51			n.a.
F 2	21 16	0n24	4 44	16 11	3 3	24 4	0 28	19 24	2 15	23 31	0 50	23 49	0 3	14 9	0 18	12 33	1 47	31 0	15 10	22 58	23 2	18 53			n.a.
S 3	21 28	5 33	4 8	15 51	3 9	23 51	0 17	19 20	2 16	23 29	0 50	23 49	0 3	14 8	0 18	12 34	1 47	31 0	15 10	22 58	23 1	18 55			n.a.
S 4	21 39	10 27	3 22	15 36	3 12	23 39	0 4	19 16	2 17	23 28	0 50	23 49	0 3	14 7	0 18	12 35	1 47	30 59	15 9	22 58	23 1	18 58			n.a.
M 5	21 49	14 57	2 28	15 25	3 14	23 26	0n 8	19 12	2 19	23 26	0 50	23 49	0 3	14 7	0 18	12 35	1 47	30 59	15 9	22 57	23 1	19 0			n.a.
T 6	21 59	18 53	1 27	15 18	3 14	23 13	0 21	19 8	2 20	23 24	0 50	23 50	0 3	14 6	0 18	12 36	1 47	30 58	15 9	22 57	23 0	19 2			n.a.
W 7	22 9	22 4	0 23	15 15	3 12	23 0	0 34	19 4	2 21	23 23	0 50	23 50	0 3	14 5	0 18	12 36	1 47	30 58	15 8	22 57	23 0	19 4			n.a.
T 8	22 18	24 18	0n43	15 16	3 8	22 47	0 48	19 0	2 22	23 21	0 50	23 50	0 3	14 5	0 18	12 37	1 47	30 57	15 8	22 57	23 0	19 7			n.a.
F 9	22 27	25 28	1 47	15 20	3 4	22 33	1 2	18 56	2 23	23 19	0 50	23 50	0 3	14 4	0 18	12 38	1 47	30 57	15 8	22 57	22 59	19 9			n.a.
S 10	22 35	25 26	2 47	15 28	2 58	22 19	1 16	18 53	2 24	23 17	0 50	23 50	0 3	14 4	0 18	12 38	1 47	30 56	15 8	22 57	22 59	19 11			n.a.
S 11	22 43	24 12	3 41	15 38	2 52	22 5	1 31	18 49	2 24	23 15	0 50	23 50	0 3	14 3	0 18	12 39	1 47	30 56	15 7	22 57	22 59	19 13			n.a.
M12	22 51	21 47	4 25	15 51	2 45	21 51	1 46	18 46	2 25	23 14	0 50	23 50	0 4	14 2	0 18	12 40	1 47	30 55	15 7	22 57	22 58	19 16			n.a.
T 13	22 58	18 17	4 57	16 6	2 37	21 37	2 1	18 43	2 26	23 12	0 50	23 50	0 4	14 2	0 18	12 40	1 47	30 55	15 7	22 57	22 58	19 18			n.a.
W14	23 4	13 52	5 15	16 22	2 29	21 23	2 16	18 40	2 26	23 10	0 50	23 50	0 4	14 1	0 18	12 41	1 47	30 54	15 6	22 57	22 58	19 20			n.a.
T 15	23 10	8 41	5 17	16 41	2 21	21 8	2 31	18 38	2 27	23 8	0 50	23 50	0 4	14 1	0 18	12 41	1 47	30 53	15 6	22 57	22 57	19 22			n.a.
F 16	23 16	2 57	5 1	17 0	2 12	20 54	2 46	18 35	2 28	23 6	0 50	23 50	0 4	14 0	0 18	12 42	1 47	30 53	15 6	22 57	22 57	19 24			n.a.
S 17	23 21	3s 6	4 28	17 21	2 3	20 40	3 2	18 33	2 28	23 4	0 51	23 50	0 4	13 59	0 18	12 42	1 47	30 52	15 6	22 57	22 57	19 27			n.a.
S 18	23 26	9 10	3 36	17 42	1 54	20 25	3 17	18 31	2 28	23 2	0 51	23 50	0 4	13 59	0 18	12 43	1 48	30 52	15 5	22 58	22 56	19 29			n.a.
M19	23 30	14 53	2 29	18 4	1 45	20 11	3 32	18 29	2 29	23 0	0 51	23 50	0 4	13 58	0 17	12 43	1 48	30 51	15 5	22 58	22 56	19 31			n.a.
T 20	23 34	19 47	1 11	18 27	1 36	19 57	3 47	18 27	2 29	22 58	0 51	23 50	0 4	13 58	0 17	12 44	1 48	30 51	15 5	22 58	22 56	19 33			n.a.
W21	23 37	23 23	0s12	18 50	1 27	19 42	4 2	18 26	2 29	22 56	0 51	23 50	0 4	13 57	0 17	12 45	1 48	30 50	15 5	22 58	22 55	19 35			n.a.
T 22	23 40	25 19	1 35	19 13	1 18	19 28	4 17	18 25	2 30	22 54	0 51	23 50	0 4	13 57	0 17	12 45	1 48	30 49	15 4	22 58	22 55	19 38			n.a.
F 23	23 42	25 24	2 49	19 36	1 9	19 15	4 31	18 24	2 30	22 51	0 51	23 50	0 4	13 56	0 17	12 46	1 48	30 49	15 4	22 58	22 54	19 40			n.a.
S 24	23 44	23 43	3 51	19 58	1 0	19 1	4 45	18 23	2 30	22 49	0 51	23 50	0 4	13 56	0 17	12 46	1 48	30 48	15 4	22 57	22 54	19 42			n.a.
S 25	23 45	20 35	4 37	20 21	0 51	18 48	4 58	18 22	2 30	22 47	0 51	23 50	0 5	13 55	0 17	12 47	1 48	30 48	15 4	22 57	22 54	19 44			n.a.
M26	23 46	16 24	5 6	20 43	0 42	18 35	5 11	18 22	2 30	22 45	0 51	23 50	0 5	13 55	0 17	12 47	1 48	30 47	15 3	22 57	22 53	19 46			n.a.
T 27	23 46	11 33	5 17	21 5	0 33	18 23	5 23	18 21	2 30	22 42	0 51	23 50	0 5	13 55	0 17	12 48	1 48	30 47	15 3	22 57	22 53	19 49			n.a.
W28	23 46	6 21	5 11	21 27	0 25	18 11	5 35	18 21	2 30	22 40	0 51	23 50	0 5	13 54	0 17	12 48	1 48	30 46	15 3	22 57	22 53	19 51			n.a.
T 29	23 46	1 3	4 51	21 48	0 16	18 0	5 46	18 22	2 30	22 38	0 51	23 50	0 5	13 54	0 17	12 48	1 48	30 45	15 3	22 57	22 52	19 53			n.a.
F 30	23 45	4n11	4 19	22 8	0 8	17 49	5 56	18 22	2 30	22 35	0 51	23 50	0 5	13 53	0 17	12 49	1 48	30 45	15 2	22 57	22 52	19 55			n.a.
S 31	23s43	9n11	3s35	22s28	0s 0	17s39	6n 5	18n23	2n30	22s33	0s51	23s50	0s 5	13n53	0s17	12s49	1n48	30s44	15s 2	22n57	22n51	19n57			n.a.

Julian Day Number = 1480327.5, Delta T = 05h23m17s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'23, Lahiri = -13°04'23 Julian Calendar 1 Dec. 661 BCE == Greg. Calendar 24 Nov. 661 BCE

The year -660 astronomical counting style corresponds to year 661 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

JANUARY 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 13 55	4♉41'39	14♉28	12♐44	26°R12	13♉10	23♉38	2♉35	7°R20	8♏30	15♒22	15♊19	14♊26	2♊47	n.a.	S 1
M 2	6 17 52	5°42'28	26°15	14° 7	25♐39	13°13	23°52	2°42	7♉19	8°31	15°23	15°21	14°23	2°54	n.a.	M 2
T 3	6 21 48	6°43'16	8♊ 2	15°31	25° 8	13°18	24° 6	2°49	7°18	8°33	15°24	15°22	14°19	3° 1	n.a.	T 3
W 4	6 25 45	7°44'03	19°53	16°56	24°38	13°23	24°20	2°57	7°17	8°34	15°26	15°R22	14°16	3° 7	n.a.	W 4
T 5	6 29 41	8°44'48	1♋50	18°22	24°10	13°28	24°34	3° 4	7°16	8°35	15°27	15°21	14°13	3°14	n.a.	T 5
F 6	6 33 38	9°45'31	13°55	19°49	23°45	13°35	24°48	3°11	7°15	8°37	15°28	15°19	14°10	3°21	n.a.	F 6
S 7	6 37 35	10°46'13	26°10	21°17	23°21	13°41	25° 2	3°18	7°15	8°38	15°29	15°15	14° 7	3°27	n.a.	S 7
S 8	6 41 31	11°46'54	8♌36	22°45	23° 0	13°49	25°17	3°25	7°14	8°39	15°31	15°11	14° 3	3°34	n.a.	S 8
M 9	6 45 28	12°47'33	21°14	24°15	22°41	13°57	25°31	3°32	7°13	8°41	15°32	15° 6	14° 0	3°40	n.a.	M 9
T 10	6 49 24	13°48'10	4♍ 5	25°46	22°25	14° 6	25°45	3°40	7°13	8°42	15°33	15° 2	13°57	3°47	n.a.	T 10
W11	6 53 21	14°48'47	17°10	27°17	22°11	14°16	25°59	3°47	7°12	8°43	15°35	14°58	13°54	3°54	n.a.	W11
T 12	6 57 17	15°49'21	0♎30	28°50	21°59	14°26	26°14	3°54	7°11	8°44	15°36	14°55	13°51	4° 0	n.a.	T 12
F 13	7 1 14	16°49'55	14° 6	0♏23	21°50	14°36	26°28	4° 1	7°11	8°45	15°38	14°D54	13°48	4° 7	n.a.	F 13
S 14	7 5 10	17°50'27	27°59	1°57	21°44	14°47	26°42	4° 8	7°11	8°46	15°39	14°55	13°44	4°14	n.a.	S 14
S 15	7 9 7	18°50'57	12♏ 9	3°32	21°40	14°59	26°57	4°15	7°10	8°47	15°40	14°56	13°41	4°20	n.a.	S 15
M16	7 13 4	19°51'26	26°34	5° 8	21°D38	15°11	27°11	4°22	7°10	8°48	15°42	14°58	13°38	4°27	n.a.	M16
T 17	7 17 0	20°51'54	11♐12	6°45	21°39	15°24	27°25	4°29	7°10	8°49	15°43	14°R58	13°35	4°34	n.a.	T 17
W18	7 20 57	21°52'20	25°59	8°23	21°42	15°37	27°40	4°36	7° 9	8°50	15°45	14°58	13°32	4°40	n.a.	W18
T 19	7 24 53	22°52'45	10♑47	10° 2	21°48	15°51	27°54	4°43	7° 9	8°51	15°46	14°56	13°29	4°47	n.a.	T 19
F 20	7 28 50	23°53'08	25°29	11°42	21°56	16° 5	28° 9	4°50	7° 9	8°52	15°48	14°52	13°25	4°54	n.a.	F 20
S 21	7 32 46	24°53'29	9♒59	13°22	22° 6	16°20	28°23	4°57	7°D 9	8°53	15°49	14°46	13°22	5° 0	n.a.	S 21
S 22	7 36 43	25°53'48	24° 9	15° 4	22°18	16°35	28°38	5° 4	7° 9	8°54	15°50	14°39	13°19	5° 7	n.a.	S 22
M23	7 40 39	26°54'04	7♓54	16°47	22°33	16°51	28°52	5°11	7° 9	8°55	15°52	14°32	13°16	5°14	n.a.	M23
T 24	7 44 36	27°54'19	21°14	18°31	22°49	17° 7	29° 6	5°18	7° 9	8°56	15°53	14°26	13°13	5°20	n.a.	T 24
W25	7 48 33	28°54'31	4♈ 9	20°15	23° 7	17°24	29°21	5°25	7°10	8°56	15°55	14°21	13° 9	5°27	n.a.	W25
T 26	7 52 29	29°54'42	16°41	22° 1	23°28	17°41	29°35	5°31	7°10	8°57	15°56	14°18	13° 6	5°34	n.a.	T 26
F 27	7 56 26	0♒54'50	28°54	23°48	23°50	17°59	29°50	5°38	7°10	8°58	15°58	14°D17	13° 3	5°40	n.a.	F 27
S 28	8 0 22	1°54'56	10♉53	25°36	24°14	18°17	0♒ 4	5°45	7°10	8°58	15°59	14°17	13° 0	5°47	n.a.	S 28
S 29	8 4 19	2°54'59	22°43	27°25	24°40	18°35	0°19	5°52	7°11	8°59	16° 1	14°19	12°57	5°53	n.a.	S 29
M30	8 8 15	3°55'00	4♊30	29°15	25° 7	18°54	0°33	5°58	7°11	9° 0	16° 3	14°20	12°54	6° 0	n.a.	M30
T 31	8 12 12	4♒55'00	16♊19	1♒ 6	25♐36	19♉13	0♒47	6♏ 5	7♉12	9♏ 0	16♒ 4	14°R20	12♊50	6♊ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s41	13n49	2s43	22s47	0s 8	17s30	6n14	18n23	2n30	22s31	0s51	23s50	0s 5	13n53	0s17	12s50	1n48	30s44	15s 2	22n57	22n51	19n59			n.a.
M 2	23 39	17 54	1 44	23 5	0 16	17 21	6 21	18 24	2 30	22 28	0 51	23 50	0 5	13 53	0 17	12 50	1 48	30 43	15 2	22 57	22 51	20 2			n.a.
T 3	23 36	21 17	0 40	23 22	0 23	17 13	6 28	18 26	2 30	22 26	0 51	23 50	0 5	13 52	0 17	12 51	1 48	30 42	15 2	22 58	22 50	20 4			n.a.
W 4	23 33	23 48	0n25	23 38	0 31	17 6	6 34	18 27	2 30	22 23	0 51	23 50	0 5	13 52	0 17	12 51	1 48	30 42	15 1	22 58	22 50	20 6			n.a.
T 5	23 29	25 15	1 30	23 53	0 38	16 59	6 40	18 29	2 30	22 21	0 51	23 50	0 5	13 52	0 17	12 51	1 48	30 41	15 1	22 57	22 50	20 8			n.a.
F 6	23 25	25 32	2 31	24 7	0 45	16 54	6 44	18 30	2 29	22 18	0 51	23 50	0 5	13 51	0 17	12 52	1 48	30 41	15 1	22 57	22 49	20 10			n.a.
S 7	23 20	24 35	3 26	24 20	0 51	16 49	6 48	18 32	2 29	22 16	0 51	23 50	0 6	13 51	0 17	12 52	1 48	30 40	15 1	22 57	22 49	20 12			n.a.
S 8	23 15	22 25	4 12	24 32	0 58	16 45	6 51	18 34	2 29	22 13	0 51	23 49	0 6	13 51	0 17	12 53	1 48	30 39	15 1	22 56	22 48	20 14			n.a.
M 9	23 9	19 8	4 47	24 43	1 4	16 41	6 54	18 37	2 29	22 10	0 51	23 49	0 6	13 51	0 17	12 53	1 48	30 39	15 1	22 56	22 48	20 16			n.a.
T 10	23 3	14 54	5 8	24 52	1 10	16 39	6 55	18 39	2 28	22 8	0 51	23 49	0 6	13 51	0 17	12 53	1 49	30 38	15 0	22 55	22 48	20 19			n.a.
W11	22 56	9 56	5 13	25 1	1 16	16 37	6 56	18 42	2 28	22 5	0 51	23 49	0 6	13 50	0 17	12 54	1 49	30 38	15 0	22 55	22 47	20 21			n.a.
T 12	22 49	4 24	5 2	25 7	1 21	16 36	6 56	18 44	2 28	22 3	0 51	23 49	0 6	13 50	0 17	12 54	1 49	30 37	15 0	22 55	22 47	20 23			n.a.
F 13	22 42	1s26	4 34	25 13	1 26	16 36	6 56	18 47	2 28	22 0	0 51	23 49	0 6	13 50	0 17	12 54	1 49	30 37	15 0	22 54	22 47	20 25			n.a.
S 14	22 34	7 21	3 49	25 17	1 31	16 36	6 55	18 50	2 27	21 57	0 52	23 49	0 6	13 50	0 17	12 55	1 49	30 36	15 0	22 54	22 46	20 27			n.a.
S 15	22 26	13 0	2 50	25 19	1 36	16 37	6 54	18 54	2 27	21 54	0 52	23 49	0 6	13 50	0 17	12 55	1 49	30 35	15 0	22 55	22 46	20 29			n.a.
M16	22 17	18 3	1 39	25 20	1 40	16 39	6 52	18 57	2 27	21 52	0 52	23 48	0 6	13 50	0 17	12 55	1 49	30 35	14 59	22 55	22 45	20 31			n.a.
T 17	22 8	22 6	0 21	25 20	1 44	16 42	6 50	19 0	2 26	21 49	0 52	23 48	0 6	13 50	0 17	12 55	1 49	30 34	14 59	22 55	22 45	20 33			n.a.
W18	21 58	24 42	1s 0	25 17	1 47	16 45	6 47	19 4	2 26	21 46	0 52	23 48	0 6	13 50	0 17	12 56	1 49	30 34	14 59	22 55	22 45	20 35			n.a.
T 19	21 48	25 35	2 16	25 14	1 51	16 48	6 44	19 8	2 25	21 43	0 52	23 48	0 6	13 50	0 17	12 56	1 49	30 33	14 59	22 55	22 44	20 37			n.a.
F 20	21 38	24 39	3 23	25 8	1 53	16 52	6 40	19 12	2 25	21 40	0 52	23 48	0 7	13 50	0 17	12 56	1 49	30 32	14 59	22 54	22 44	20 40			n.a.
S 21	21 27	22 5	4 15	25 1	1 56	16 57	6 36	19 16	2 25	21 37	0 52	23 47	0 7	13 50	0 17	12 56	1 49	30 32	14 59	22 53	22 43	20 42			n.a.
S 22	21 16	18 13	4 50	24 52	1 58	17 1	6 32	19 20	2 24	21 34	0 52	23 47	0 7	13 50	0 17	12 57	1 49	30 31	14 59	22 53	22 43	20 44			n.a.
M23	21 4	13 28	5 8	24 41	2 0	17 7	6 28	19 24	2 24	21 31	0 52	23 47	0 7	13 50	0 17	12 57	1 49	30 31	14 59	22 52	22 43	20 46			n.a.
T 24	20 52	8 13	5 8	24 29	2 1	17 12	6 23	19 28	2 23	21 28	0 52	23 47	0 7	13 50	0 17	12 57	1 49	30 30	14 59	22 51	22 42	20 48			n.a.
W25	20 40	2 47	4 52	24 14	2 2	17 18	6 18	19 33	2 23	21 25	0 52	23 47	0 7	13 50	0 17	12 57	1 49	30 30	14 59	22 51	22 42	20 50			n.a.
T 26	20 27	2n37	4 22	23 58	2 3	17 25	6 12	19 37	2 23	21 22	0 52	23 47	0 7	13 50	0 17	12 57	1 49	30 29	14 58	22 50	22 41	20 52			n.a.
F 27	20 14	7 48	3 41	23 39	2 3	17 31	6 7	19 42	2 22	21 19	0 52	23 46	0 7	13 50	0 17	12 58	1 49	30 28	14 58	22 50	22 41	20 54			n.a.
S 28	20 1	12 36	2 51	23 19	2 2	17 38	6 1	19 47	2 22	21 16	0 52	23 46	0 7	13 50	0 17	12 58	1 49	30 28	14 58	22 50	22 41	20 56			n.a.
S 29	19 47	16 52	1 54	22 57	2 1	17 45	5 56	19 51	2 21	21 13	0 53	23 46	0 7	13 50	0 17	12 58	1 50	30 27	14 58	22 50	22 40	20 58			n.a.
M30	19 33	20 28	0 53	22 33	2 0	17 52	5 50	19 56	2 21	21 10	0 53	23 46	0 7	13 51	0 17	12 58	1 50	30 27	14 58	22 50	22 40	21 0			n.a.
T 31	19s18	23n14	0n11	22s 7	1s58	17s59	5n43	20n 1	2n20	21s 7	0s53	23s45	0s 7	13n51	0s17	12s58	1n50	30s26	14s58	22n51	22n39	21n 2			n.a.

Julian Day Number = 1480358.5, Delta T = 05h23m15s
Ecliptic obliquity = 23°46'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'19, Lahiri = -13°04'19 Julian Calendar 1 Jan. 660 BCE == Greg. Calendar 25 Dec. 661 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

FEBRUARY 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 16 8	5♒54'56	28♊13	2♒58	26♐ 6	19♉32	1♒ 2	6♑12	7♉12	9♏ 1	16♒ 6	14°R19	12♊47	6♊13	n.a.	W 1
T 2	8 20 5	6°54'51	10♋17	4°51	26°38	19°52	1°16	6°18	7°13	9° 1	16° 7	14♊16	12°44	6°20	n.a.	T 2
F 3	8 24 2	7°54'44	22°34	6°45	27°12	20°12	1°31	6°25	7°14	9° 2	16° 9	14°10	12°41	6°27	n.a.	F 3
S 4	8 27 58	8°54'34	5♌ 4	8°41	27°46	20°33	1°45	6°31	7°14	9° 2	16°10	14° 2	12°38	6°33	n.a.	S 4
S 5	8 31 55	9°54'22	17°49	10°37	28°22	20°54	1°59	6°38	7°15	9° 2	16°12	13°53	12°35	6°40	n.a.	S 5
M 6	8 35 51	10°54'08	0♍48	12°34	29° 0	21°15	2°14	6°44	7°16	9° 3	16°13	13°42	12°31	6°47	n.a.	M 6
T 7	8 39 48	11°53'52	14° 1	14°31	29°38	21°36	2°28	6°50	7°17	9° 3	16°15	13°32	12°28	6°53	n.a.	T 7
W 8	8 43 44	12°53'34	27°26	16°30	0♑18	21°58	2°42	6°57	7°18	9° 3	16°16	13°23	12°25	7° 0	n.a.	W 8
T 9	8 47 41	13°53'14	11♎ 1	18°28	0°59	22°20	2°57	7° 3	7°19	9° 4	16°18	13°17	12°22	7° 7	n.a.	T 9
F 10	8 51 37	14°52'53	24°46	20°28	1°41	22°43	3°11	7° 9	7°20	9° 4	16°20	13°13	12°19	7°13	n.a.	F 10
S 11	8 55 34	15°52'29	8♏40	22°27	2°24	23° 6	3°25	7°15	7°21	9° 4	16°21	13°11	12°15	7°20	n.a.	S 11
S 12	8 59 30	16°52'04	22°42	24°27	3° 8	23°29	3°39	7°21	7°22	9° 4	16°23	13°D11	12°12	7°26	n.a.	S 12
M13	9 3 27	17°51'37	6♐51	26°26	3°52	23°52	3°54	7°28	7°23	9° 4	16°24	13°R11	12° 9	7°33	n.a.	M13
T 14	9 7 24	18°51'08	21° 8	28°24	4°38	24°15	4° 8	7°34	7°24	9° 4	16°26	13°11	12° 6	7°40	n.a.	T 14
W15	9 11 20	19°50'37	5♑28	0♓22	5°25	24°39	4°22	7°40	7°25	9° 4	16°27	13° 9	12° 3	7°46	n.a.	W15
T 16	9 15 17	20°50'04	19°50	2°19	6°12	25° 3	4°36	7°46	7°27	9°R 4	16°29	13° 5	12° 0	7°53	n.a.	T 16
F 17	9 19 13	21°49'29	4♒ 9	4°13	7° 1	25°28	4°50	7°51	7°28	9° 4	16°30	12°58	11°56	8° 0	n.a.	F 17
S 18	9 23 10	22°48'53	18°18	6° 6	7°50	25°53	5° 4	7°57	7°30	9° 4	16°32	12°48	11°53	8° 6	n.a.	S 18
S 19	9 27 6	23°48'14	2♓14	7°57	8°40	26°17	5°18	8° 3	7°31	9° 4	16°34	12°36	11°50	8°13	n.a.	S 19
M20	9 31 3	24°47'32	15°51	9°44	9°30	26°43	5°32	8° 9	7°32	9° 4	16°35	12°25	11°47	8°20	n.a.	M20
T 21	9 34 59	25°46'48	29° 6	11°29	10°21	27° 8	5°46	8°14	7°34	9° 4	16°37	12°14	11°44	8°26	n.a.	T 21
W22	9 38 56	26°46'02	12♈ 0	13° 9	11°13	27°34	6° 0	8°20	7°36	9° 4	16°38	12° 4	11°40	8°33	n.a.	W22
T 23	9 42 53	27°45'14	24°32	14°46	12° 6	27°59	6°14	8°26	7°37	9° 4	16°40	11°57	11°37	8°40	n.a.	T 23
F 24	9 46 49	28°44'23	6♉46	16°18	12°59	28°26	6°28	8°31	7°39	9° 3	16°41	11°53	11°34	8°46	n.a.	F 24
S 25	9 50 46	29°43'30	18°47	17°45	13°52	28°52	6°42	8°36	7°41	9° 3	16°43	11°51	11°31	8°53	n.a.	S 25
S 26	9 54 42	0♓42'35	0♊38	19° 7	14°47	29°18	6°56	8°42	7°43	9° 3	16°44	11°D51	11°28	9° 0	n.a.	S 26
M27	9 58 39	1°41'37	12°26	20°23	15°41	29°45	7°10	8°47	7°44	9° 2	16°46	11°R51	11°25	9° 6	n.a.	M27
T 28	10 2 35	2♓40'37	24♊16	21♓34	16♑37	0♊12	7♒23	8♑52	7♉46	9♏ 2	16♒47	11♊50	11♊21	9♊13	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s 3	25n 0	1n14	21s39	1s56	18s 6	5n37	20n 6	2n20	21s 4	0s53	23s45	0s 8	13n51	0s16	12s58	1n50	30s26	14s58	22n50	22n39	21n 4		n.a.
T 2	18 48	25 37	2 15	21 8	1 53	18 13	5 31	20 11	2 19	21 1	0 53	23 45	0 8	13 51	0 16	12 58	1 50	30 25	14 58	22 50	22 39	21 6		n.a.
F 3	18 33	24 59	3 11	20 36	1 49	18 21	5 24	20 16	2 19	20 58	0 53	23 45	0 8	13 51	0 16	12 58	1 50	30 25	14 58	22 49	22 38	21 8		n.a.
S 4	18 17	23 6	3 58	20 2	1 45	18 28	5 18	20 22	2 18	20 55	0 53	23 45	0 8	13 52	0 16	12 58	1 50	30 24	14 58	22 48	22 38	21 10		n.a.
S 5	18 1	20 3	4 34	19 26	1 40	18 35	5 11	20 27	2 18	20 51	0 53	23 44	0 8	13 52	0 16	12 59	1 50	30 24	14 58	22 47	22 37	21 12		n.a.
M 6	17 44	15 57	4 57	18 48	1 35	18 42	5 4	20 32	2 18	20 48	0 53	23 44	0 8	13 52	0 16	12 59	1 50	30 23	14 58	22 46	22 37	21 14		n.a.
T 7	17 28	11 3	5 5	18 8	1 29	18 49	4 57	20 37	2 17	20 45	0 53	23 44	0 8	13 53	0 16	12 59	1 50	30 23	14 58	22 45	22 37	21 16		n.a.
W 8	17 11	5 33	4 56	17 26	1 23	18 56	4 51	20 43	2 17	20 42	0 53	23 44	0 8	13 53	0 16	12 59	1 50	30 22	14 58	22 44	22 36	21 18		n.a.
T 9	16 53	0s17	4 30	16 42	1 16	19 3	4 44	20 48	2 16	20 39	0 54	23 43	0 8	13 53	0 16	12 59	1 50	30 22	14 58	22 43	22 36	21 20		n.a.
F 10	16 36	6 11	3 49	15 57	1 8	19 9	4 37	20 54	2 16	20 35	0 54	23 43	0 8	13 54	0 16	12 59	1 50	30 21	14 58	22 42	22 35	21 22		n.a.
S 11	16 18	11 51	2 53	15 10	1 0	19 15	4 30	20 59	2 15	20 32	0 54	23 43	0 8	13 54	0 16	12 59	1 50	30 21	14 58	22 42	22 35	21 24		n.a.
S 12	16 0	16 59	1 47	14 21	0 51	19 22	4 23	21 4	2 15	20 29	0 54	23 43	0 8	13 54	0 16	12 59	1 50	30 20	14 58	22 42	22 34	21 26		n.a.
M13	15 42	21 12	0 34	13 32	0 41	19 27	4 16	21 10	2 14	20 25	0 54	23 42	0 9	13 55	0 16	12 59	1 50	30 20	14 58	22 42	22 34	21 28		n.a.
T 14	15 23	24 11	0s42	12 41	0 31	19 33	4 9	21 15	2 14	20 22	0 54	23 42	0 9	13 55	0 16	12 59	1 50	30 19	14 58	22 42	22 34	21 30		n.a.
W15	15 4	25 35	1 56	11 49	0 21	19 38	4 2	21 21	2 13	20 19	0 54	23 42	0 9	13 56	0 16	12 59	1 51	30 19	14 58	22 42	22 33	21 32		n.a.
T 16	14 45	25 17	3 2	10 57	0 10	19 43	3 55	21 27	2 13	20 16	0 54	23 41	0 9	13 56	0 16	12 59	1 51	30 18	14 58	22 41	22 33	21 34		n.a.
F 17	14 26	23 19	3 56	10 4	0n 2	19 48	3 48	21 32	2 12	20 12	0 54	23 41	0 9	13 57	0 16	12 59	1 51	30 18	14 58	22 40	22 32	21 36		n.a.
S 18	14 6	19 54	4 35	9 11	0 14	19 52	3 41	21 38	2 12	20 9	0 55	23 41	0 9	13 57	0 16	12 58	1 51	30 17	14 58	22 39	22 32	21 38		n.a.
S 19	13 46	15 26	4 57	8 18	0 26	19 56	3 34	21 43	2 11	20 5	0 55	23 41	0 9	13 58	0 16	12 58	1 51	30 17	14 58	22 38	22 31	21 40		n.a.
M20	13 26	10 16	5 1	7 26	0 38	20 0	3 27	21 49	2 11	20 2	0 55	23 40	0 9	13 58	0 16	12 58	1 51	30 16	14 58	22 36	22 31	21 42		n.a.
T 21	13 6	4 46	4 49	6 34	0 51	20 3	3 20	21 54	2 10	19 59	0 55	23 40	0 9	13 59	0 16	12 58	1 51	30 16	14 58	22 35	22 31	21 44		n.a.
W22	12 46	0n47	4 22	5 44	1 4	20 5	3 13	22 0	2 10	19 55	0 55	23 40	0 9	13 59	0 16	12 58	1 51	30 15	14 59	22 33	22 30	21 46		n.a.
T 23	12 25	6 11	3 43	4 55	1 16	20 8	3 6	22 5	2 9	19 52	0 55	23 40	0 9	14 0	0 16	12 58	1 51	30 15	14 59	22 32	22 30	21 48		n.a.
F 24	12 5	11 13	2 55	4 7	1 29	20 10	2 59	22 11	2 9	19 49	0 55	23 39	0 10	14 0	0 16	12 58	1 51	30 15	14 59	22 32	22 29	21 49		n.a.
S 25	11 44	15 44	1 59	3 21	1 41	20 11	2 52	22 16	2 8	19 45	0 55	23 39	0 10	14 1	0 16	12 58	1 51	30 14	14 59	22 32	22 29	21 51		n.a.
S 26	11 23	19 36	0 59	2 38	1 53	20 12	2 46	22 22	2 8	19 42	0 56	23 39	0 10	14 2	0 16	12 58	1 51	30 14	14 59	22 32	22 28	21 53		n.a.
M27	11 1	22 39	0n 3	1 57	2 5	20 13	2 39	22 27	2 7	19 38	0 56	23 39	0 10	14 2	0 16	12 57	1 51	30 13	14 59	22 32	22 28	21 55		n.a.
T 28	10s40	24n44	1n 5	1s18	2n16	20s13	2n32	22n33	2n 7	19s35	0s56	23s38	0s10	14n 3	0s16	12s57	1n51	30s13	14s59	22n31	22n27	21n57		n.a.

Julian Day Number = 1480389.5, Delta T = 05h23m14s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'15, Lahiri = -13°04'15 Julian Calendar 1 Feb. 660 BCE == Greg. Calendar 25 Jan. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

MARCH 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 6 32	3♓39'34	6♋13	22♓39	17♉33	0♊39	7♒37	8♉58	7♉48	9°R 2	16♒49	11°R48	11♊18	9♊19	n.a.	W 1
T 2	10 10 28	4°38'29	18°22	23°38	18°29	1° 6	7°51	9° 3	7°50	9♏ 1	16°50	11♊44	11°15	9°26	n.a.	T 2
F 3	10 14 25	5°37'22	0♌47	24°30	19°26	1°34	8° 4	9° 8	7°52	9° 1	16°52	11°37	11°12	9°33	n.a.	F 3
S 4	10 18 21	6°36'12	13°30	25°16	20°23	2° 1	8°18	9°13	7°54	9° 0	16°53	11°27	11° 9	9°39	n.a.	S 4
S 5	10 22 18	7°35'00	26°32	25°55	21°20	2°29	8°31	9°18	7°56	9° 0	16°55	11°15	11° 6	9°46	n.a.	S 5
M 6	10 26 15	8°33'46	9♍53	26°27	22°18	2°57	8°45	9°22	7°58	8°59	16°56	11° 2	11° 2	9°53	n.a.	M 6
T 7	10 30 11	9°32'29	23°30	26°53	23°17	3°26	8°58	9°27	8° 1	8°58	16°58	10°50	10°59	9°59	n.a.	T 7
W 8	10 34 8	10°31'11	7♎21	27°13	24°16	3°54	9°12	9°32	8° 3	8°58	16°59	10°39	10°56	10° 6	n.a.	W 8
T 9	10 38 4	11°29'51	21°20	27°25	25°15	4°22	9°25	9°36	8° 5	8°57	17° 1	10°31	10°53	10°13	n.a.	T 9
F 10	10 42 1	12°28'28	5♏25	27°R31	26°15	4°51	9°38	9°41	8° 7	8°56	17° 2	10°25	10°50	10°19	n.a.	F 10
S 11	10 45 57	13°27'05	19°33	27°31	27°14	5°20	9°51	9°45	8°10	8°56	17° 3	10°22	10°46	10°26	n.a.	S 11
S 12	10 49 54	14°25'39	3♐40	27°24	28°15	5°49	10° 5	9°50	8°12	8°55	17° 5	10°21	10°43	10°33	n.a.	S 12
M13	10 53 50	15°24'12	17°47	27°12	29°15	6°18	10°18	9°54	8°14	8°54	17° 6	10°21	10°40	10°39	n.a.	M13
T 14	10 57 47	16°22'43	1♑52	26°54	0♒16	6°47	10°31	9°58	8°17	8°53	17° 8	10°21	10°37	10°46	n.a.	T 14
W15	11 1 44	17°21'12	15°55	26°32	1°18	7°17	10°44	10° 3	8°19	8°53	17° 9	10°18	10°34	10°52	n.a.	W15
T 16	11 5 40	18°19'39	29°53	26° 4	2°19	7°46	10°57	10° 7	8°22	8°52	17°10	10°14	10°31	10°59	n.a.	T 16
F 17	11 9 37	19°18'05	13♒45	25°33	3°21	8°16	11° 9	10°11	8°24	8°51	17°12	10° 6	10°27	11° 6	n.a.	F 17
S 18	11 13 33	20°16'29	27°29	24°58	4°23	8°46	11°22	10°15	8°27	8°50	17°13	9°56	10°24	11°12	n.a.	S 18
S 19	11 17 30	21°14'51	11♓ 1	24°21	5°26	9°16	11°35	10°18	8°30	8°49	17°14	9°44	10°21	11°19	n.a.	S 19
M20	11 21 26	22°13'11	24°18	23°41	6°28	9°46	11°48	10°22	8°32	8°48	17°16	9°31	10°18	11°26	n.a.	M20
T 21	11 25 23	23°11'29	7♈19	23° 1	7°31	10°16	12° 0	10°26	8°35	8°47	17°17	9°20	10°15	11°32	n.a.	T 21
W22	11 29 19	24° 9'45	20° 2	22°20	8°34	10°47	12°13	10°29	8°38	8°46	17°18	9°10	10°12	11°39	n.a.	W22
T 23	11 33 16	25° 7'59	2♉28	21°39	9°38	11°17	12°25	10°33	8°40	8°45	17°20	9° 2	10° 8	11°46	n.a.	T 23
F 24	11 37 12	26° 6'11	14°39	20°59	10°41	11°48	12°37	10°36	8°43	8°44	17°21	8°57	10° 5	11°52	n.a.	F 24
S 25	11 41 9	27° 4'22	26°38	20°21	11°45	12°19	12°50	10°40	8°46	8°43	17°22	8°54	10° 2	11°59	n.a.	S 25
S 26	11 45 6	28° 2'30	8♊29	19°45	12°49	12°50	13° 2	10°43	8°49	8°42	17°23	8°D54	9°59	12° 6	n.a.	S 26
M27	11 49 2	29° 0'36	20°17	19°12	13°53	13°21	13°14	10°46	8°52	8°41	17°25	8°54	9°56	12°12	n.a.	M27
T 28	11 52 59	29°58'40	2♋ 7	18°42	14°57	13°52	13°26	10°49	8°55	8°40	17°26	8°R54	9°52	12°19	n.a.	T 28
W29	11 56 55	0♈56'42	14° 5	18°16	16° 2	14°23	13°38	10°52	8°58	8°38	17°27	8°53	9°49	12°26	n.a.	W29
T 30	12 0 52	1°54'41	26°16	17°55	17° 7	14°55	13°50	10°55	9° 1	8°37	17°28	8°51	9°46	12°32	n.a.	T 30
F 31	12 4 48	2♈52'39	8♌45	17♓37	18♒12	15♊26	14♒ 2	10♉58	9♉ 4	8♏36	17♒29	8♊45	9♊43	12♊39	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	10s18	25n43	2n 5	0s43	2n27	20s12	2n25	22n38	2n 6	19s31	0s56	23s38	0s10	14n 3	0s16	12s57	1n51	30s13	14s59	22n31	22n27	21n59			n.a.
T 2	9 57	25 29	3 1	0 10	2 37	20 11	2 19	22 43	2 6	19 28	0 56	23 38	0 10	14 4	0 16	12 57	1 51	30 12	14 59	22 31	22 27	22 1			n.a.
F 3	9 35	23 58	3 48	0n19	2 46	20 10	2 12	22 48	2 5	19 25	0 56	23 38	0 10	14 5	0 16	12 57	1 51	30 12	14 59	22 30	22 26	22 3			n.a.
S 4	9 13	21 14	4 26	0 46	2 55	20 8	2 6	22 54	2 5	19 21	0 56	23 37	0 10	14 5	0 16	12 56	1 51	30 11	15 0	22 28	22 26	22 5			n.a.
S 5	8 51	17 23	4 51	1 8	3 2	20 6	1 59	22 59	2 4	19 18	0 57	23 37	0 10	14 6	0 16	12 56	1 51	30 11	15 0	22 27	22 25	22 7			n.a.
M 6	8 28	12 35	5 0	1 27	3 9	20 3	1 53	23 4	2 4	19 14	0 57	23 37	0 10	14 7	0 16	12 56	1 52	30 11	15 0	22 25	22 25	22 8			n.a.
T 7	8 6	7 5	4 53	1 42	3 14	19 59	1 46	23 9	2 3	19 11	0 57	23 37	0 11	14 8	0 16	12 56	1 52	30 10	15 0	22 23	22 24	22 10			n.a.
W 8	7 44	1 9	4 29	1 54	3 18	19 55	1 40	23 14	2 3	19 7	0 57	23 36	0 11	14 8	0 16	12 55	1 52	30 10	15 0	22 21	22 24	22 12			n.a.
T 9	7 21	4s55	3 48	2 2	3 21	19 51	1 34	23 19	2 2	19 4	0 57	23 36	0 11	14 9	0 16	12 55	1 52	30 10	15 0	22 20	22 23	22 14			n.a.
F 10	6 58	10 47	2 53	2 6	3 23	19 46	1 28	23 24	2 2	19 0	0 57	23 36	0 11	14 10	0 16	12 55	1 52	30 9	15 0	22 19	22 23	22 16			n.a.
S 11	6 36	16 8	1 48	2 6	3 23	19 40	1 22	23 29	2 1	18 57	0 57	23 36	0 11	14 11	0 16	12 55	1 52	30 9	15 1	22 19	22 23	22 18			n.a.
S 12	6 13	20 36	0 35	2 2	3 22	19 34	1 16	23 34	2 1	18 54	0 58	23 35	0 11	14 11	0 16	12 54	1 52	30 9	15 1	22 19	22 22	22 20			n.a.
M13	5 50	23 51	0s39	1 55	3 19	19 27	1 10	23 38	2 0	18 50	0 58	23 35	0 11	14 12	0 16	12 54	1 52	30 9	15 1	22 19	22 22	22 21			n.a.
T 14	5 27	25 37	1 51	1 44	3 15	19 20	1 4	23 43	2 0	18 47	0 58	23 35	0 11	14 13	0 16	12 54	1 52	30 8	15 1	22 19	22 21	22 23			n.a.
W15	5 4	25 44	2 56	1 30	3 10	19 12	0 58	23 48	1 59	18 43	0 58	23 35	0 11	14 14	0 16	12 53	1 52	30 8	15 1	22 18	22 21	22 25			n.a.
T 16	4 41	24 12	3 50	1 12	3 3	19 4	0 52	23 52	1 59	18 40	0 58	23 34	0 11	14 15	0 16	12 53	1 52	30 8	15 2	22 18	22 20	22 27			n.a.
F 17	4 18	21 14	4 30	0 52	2 54	18 55	0 47	23 57	1 58	18 36	0 58	23 34	0 11	14 16	0 16	12 53	1 52	30 7	15 2	22 17	22 20	22 29			n.a.
S 18	3 54	17 6	4 54	0 29	2 44	18 46	0 41	24 1	1 58	18 33	0 59	23 34	0 12	14 16	0 16	12 53	1 52	30 7	15 2	22 15	22 19	22 31			n.a.
S 19	3 31	12 10	5 1	0 4	2 33	18 36	0 36	24 5	1 58	18 30	0 59	23 34	0 12	14 17	0 15	12 52	1 52	30 7	15 2	22 13	22 19	22 32			n.a.
M20	3 8	6 44	4 51	0s24	2 21	18 26	0 30	24 9	1 57	18 26	0 59	23 34	0 12	14 18	0 15	12 52	1 52	30 7	15 2	22 11	22 18	22 34			n.a.
T 21	2 44	1 8	4 26	0 52	2 7	18 15	0 25	24 13	1 57	18 23	0 59	23 33	0 12	14 19	0 15	12 51	1 52	30 6	15 3	22 10	22 18	22 36			n.a.
W22	2 21	4n25	3 49	1 22	1 53	18 3	0 20	24 17	1 56	18 19	0 59	23 33	0 12	14 20	0 15	12 51	1 52	30 6	15 3	22 8	22 17	22 38			n.a.
T 23	1 58	9 41	3 1	1 52	1 37	17 51	0 15	24 21	1 56	18 16	0 59	23 33	0 12	14 21	0 15	12 51	1 52	30 6	15 3	22 7	22 17	22 39			n.a.
F 24	1 34	14 28	2 5	2 23	1 22	17 39	0 10	24 25	1 55	18 13	1 0	23 33	0 12	14 22	0 15	12 50	1 52	30 6	15 3	22 6	22 16	22 41			n.a.
S 25	1 11	18 38	1 5	2 53	1 5	17 26	0 5	24 29	1 55	18 9	1 0	23 33	0 12	14 23	0 15	12 50	1 52	30 6	15 3	22 6	22 16	22 43			n.a.
S 26	0 47	21 59	0 2	3 22	0 49	17 12	0s 0	24 32	1 54	18 6	1 0	23 33	0 12	14 24	0 15	12 50	1 52	30 5	15 4	22 6	22 16	22 45			n.a.
M27	0 24	24 25	1n 0	3 50	0 32	16 58	0 5	24 36	1 54	18 3	1 0	23 32	0 13	14 25	0 15	12 49	1 52	30 5	15 4	22 6	22 15	22 47			n.a.
T 28	0 1	25 46	2 0	4 17	0 15	16 44	0 10	24 39	1 53	17 59	1 0	23 32	0 13	14 26	0 15	12 49	1 53	30 5	15 4	22 6	22 15	22 48			n.a.
W29	0n23	25 56	2 56	4 43	0s 1	16 29	0 14	24 43	1 53	17 56	1 1	23 32	0 13	14 27	0 15	12 48	1 53	30 5	15 4	22 6	22 14	22 50			n.a.
T 30	0 46	24 52	3 45	5 6	0 17	16 13	0 19	24 46	1 52	17 53	1 1	23 32	0 13	14 28	0 15	12 48	1 53	30 5	15 5	22 5	22 14	22 52			n.a.
F 31	1n10	22n33	4n24	5s28	0s33	15s57	0s23	24n49	1n52	17s49	1s 1	23s32	0s13	14n29	0s15	12s48	1n53	30s 5	15s 5	22n 4	22n13	22n54			n.a.

Julian Day Number = 1480417.5, Delta T = 05h23m13s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'11, Lahiri = -13°04'11 Julian Calendar 1 March 660 BCE == Greg. Calendar 22 Feb. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

APRIL 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 8 45	3♈50'35	21♌34	17°R24	19♒17	15♊58	14♒13	11♑ 1	9♉ 7	8°R35	17♒31	8°R38	9♊40	12♊45	n.a.	S 1
S 2	12 12 41	4°48'29	4♍47	17♓15	20°22	16°29	14°25	11° 3	9°10	8♏33	17°32	8♊29	9°37	12°52	n.a.	S 2
M 3	12 16 38	5°46'21	18°23	17°D12	21°28	17° 1	14°37	11° 6	9°13	8°32	17°33	8°19	9°33	12°59	n.a.	M 3
T 4	12 20 35	6°44'12	2♎20	17°13	22°33	17°33	14°48	11° 8	9°16	8°31	17°34	8° 9	9°30	13° 5	n.a.	T 4
W 5	12 24 31	7°42'00	16°34	17°19	23°39	18° 5	14°59	11°11	9°19	8°30	17°35	8° 0	9°27	13°12	n.a.	W 5
T 6	12 28 28	8°39'47	0♏59	17°29	24°45	18°37	15°11	11°13	9°22	8°28	17°36	7°54	9°24	13°19	n.a.	T 6
F 7	12 32 24	9°37'33	15°29	17°44	25°51	19° 9	15°22	11°15	9°25	8°27	17°37	7°49	9°21	13°25	n.a.	F 7
S 8	12 36 21	10°35'18	29°59	18° 3	26°58	19°41	15°33	11°17	9°28	8°25	17°38	7°47	9°17	13°32	n.a.	S 8
S 9	12 40 17	11°33'01	14♐24	18°27	28° 4	20°14	15°44	11°19	9°32	8°24	17°39	7°D47	9°14	13°39	n.a.	S 9
M10	12 44 14	12°30'43	28°41	18°56	29°11	20°46	15°55	11°21	9°35	8°23	17°40	7°48	9°11	13°45	n.a.	M10
T 11	12 48 10	13°28'24	12♑47	19°28	0♓17	21°19	16° 6	11°23	9°38	8°21	17°41	7°R49	9° 8	13°52	n.a.	T 11
W12	12 52 7	14°26'04	26°43	20° 4	1°24	21°52	16°16	11°25	9°41	8°20	17°42	7°48	9° 5	13°59	n.a.	W12
T 13	12 56 4	15°23'42	10♒27	20°44	2°31	22°24	16°27	11°26	9°45	8°18	17°43	7°45	9° 2	14° 5	n.a.	T 13
F 14	13 0 0	16°21'20	24° 0	21°28	3°38	22°57	16°38	11°28	9°48	8°17	17°44	7°41	8°58	14°12	n.a.	F 14
S 15	13 3 57	17°18'56	7♓20	22°16	4°45	23°30	16°48	11°29	9°51	8°15	17°45	7°34	8°55	14°18	n.a.	S 15
S 16	13 7 53	18°16'31	20°28	23° 7	5°53	24° 3	16°58	11°31	9°55	8°14	17°46	7°26	8°52	14°25	n.a.	S 16
M17	13 11 50	19°14'04	3♈23	24° 1	7° 0	24°36	17° 8	11°32	9°58	8°13	17°47	7°17	8°49	14°32	n.a.	M17
T 18	13 15 46	20°11'37	16° 4	24°59	8° 8	25° 9	17°18	11°33	10° 1	8°11	17°48	7° 9	8°46	14°38	n.a.	T 18
W19	13 19 43	21° 9'08	28°32	26° 0	9°15	25°43	17°28	11°34	10° 5	8° 9	17°48	7° 2	8°43	14°45	n.a.	W19
T 20	13 23 39	22° 6'38	10♉46	27° 4	10°23	26°16	17°38	11°35	10° 8	8° 8	17°49	6°57	8°39	14°52	n.a.	T 20
F 21	13 27 36	23° 4'07	22°50	28°11	11°31	26°49	17°48	11°36	10°12	8° 6	17°50	6°54	8°36	14°58	n.a.	F 21
S 22	13 31 32	24° 1'35	4♊45	29°21	12°39	27°23	17°58	11°36	10°15	8° 5	17°51	6°D53	8°33	15° 5	n.a.	S 22
S 23	13 35 29	24°59'01	16°34	0♈34	13°47	27°56	18° 7	11°37	10°18	8° 3	17°51	6°53	8°30	15°12	n.a.	S 23
M24	13 39 26	25°56'26	28°21	1°49	14°55	28°30	18°16	11°38	10°22	8° 2	17°52	6°55	8°27	15°18	n.a.	M24
T 25	13 43 22	26°53'50	10♋11	3° 8	16° 4	29° 4	18°26	11°38	10°25	8° 0	17°53	6°56	8°23	15°25	n.a.	T 25
W26	13 47 19	27°51'12	22° 9	4°29	17°12	29°38	18°35	11°38	10°29	7°59	17°54	6°R57	8°20	15°32	n.a.	W26
T 27	13 51 15	28°48'33	4♌19	5°53	18°20	0♋12	18°44	11°39	10°32	7°57	17°54	6°57	8°17	15°38	n.a.	T 27
F 28	13 55 12	29°45'53	16°47	7°19	19°29	0°45	18°53	11°39	10°36	7°55	17°55	6°56	8°14	15°45	n.a.	F 28
S 29	13 59 8	0♉43'11	29°37	8°48	20°38	1°20	19° 2	11°R39	10°39	7°54	17°56	6°53	8°11	15°52	n.a.	S 29
S 30	14 3 5	1♉40'29	12♍52	10♈20	21♓46	1♋54	19♒10	11♑39	10♉43	7♏52	17♒56	6♊49	8♊ 8	15♊58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n33	19n 5	4n51	5s47	0s48	15s41	0s28	24n52	1n51	17s46	1s 1	23s32	0s13	14n30	0s15	12s47	1n53	30s 5	15s 5	22n 3	22n13	22n55		n.a.
S 2	1 56	14 35	5 3	6 3	1 2	15 24	0 32	24 55	1 51	17 43	1 1	23 32	0 13	14 31	0 15	12 47	1 53	30 4	15 6	22 2	22 12	22 57		n.a.
M 3	2 19	9 14	4 59	6 17	1 16	15 7	0 36	24 58	1 50	17 40	1 2	23 31	0 13	14 32	0 15	12 46	1 53	30 4	15 6	22 0	22 12	22 59		n.a.
T 4	2 43	3 18	4 38	6 29	1 29	14 49	0 40	25 0	1 50	17 36	1 2	23 31	0 13	14 33	0 15	12 46	1 53	30 4	15 6	21 58	22 11	23 1		n.a.
W 5	3 6	2s56	3 58	6 38	1 41	14 31	0 44	25 3	1 49	17 33	1 2	23 31	0 13	14 34	0 15	12 45	1 53	30 4	15 6	21 57	22 11	23 2		n.a.
T 6	3 29	9 7	3 4	6 44	1 53	14 12	0 48	25 5	1 49	17 30	1 2	23 31	0 14	14 35	0 15	12 45	1 53	30 4	15 7	21 56	22 10	23 4		n.a.
F 7	3 52	14 51	1 56	6 48	2 3	13 53	0 51	25 8	1 48	17 27	1 2	23 31	0 14	14 36	0 15	12 44	1 53	30 4	15 7	21 55	22 10	23 6		n.a.
S 8	4 15	19 45	0 42	6 49	2 13	13 34	0 55	25 10	1 48	17 24	1 3	23 31	0 14	14 37	0 15	12 44	1 53	30 4	15 7	21 55	22 9	23 7		n.a.
S 9	4 38	23 26	0s35	6 48	2 22	13 14	0 59	25 12	1 47	17 21	1 3	23 31	0 14	14 38	0 15	12 43	1 53	30 4	15 8	21 55	22 9	23 9		n.a.
M10	5 1	25 36	1 50	6 44	2 30	12 53	1 2	25 14	1 47	17 18	1 3	23 31	0 14	14 39	0 15	12 43	1 53	30 4	15 8	21 55	22 8	23 11		n.a.
T 11	5 23	26 5	2 57	6 38	2 38	12 33	1 5	25 15	1 46	17 14	1 3	23 31	0 14	14 40	0 15	12 42	1 53	30 4	15 8	21 55	22 8	23 12		n.a.
W12	5 46	24 54	3 52	6 30	2 44	12 12	1 9	25 17	1 46	17 11	1 4	23 31	0 14	14 41	0 15	12 42	1 53	30 4	15 8	21 55	22 7	23 14		n.a.
T 13	6 9	22 14	4 33	6 19	2 50	11 50	1 12	25 19	1 45	17 8	1 4	23 31	0 14	14 42	0 15	12 42	1 53	30 4	15 9	21 55	22 7	23 16		n.a.
F 14	6 31	18 23	4 58	6 5	2 54	11 28	1 15	25 20	1 45	17 5	1 4	23 31	0 14	14 43	0 15	12 41	1 53	30 4	15 9	21 54	22 6	23 17		n.a.
S 15	6 53	13 40	5 7	5 50	2 58	11 6	1 18	25 21	1 45	17 2	1 4	23 31	0 15	14 44	0 15	12 41	1 53	30 4	15 9	21 53	22 6	23 19		n.a.
S 16	7 16	8 24	4 59	5 32	3 1	10 44	1 21	25 22	1 44	16 59	1 5	23 31	0 15	14 45	0 15	12 40	1 53	30 4	15 10	21 51	22 5	23 21		n.a.
M17	7 38	2 51	4 36	5 13	3 4	10 21	1 23	25 23	1 44	16 57	1 5	23 31	0 15	14 46	0 15	12 40	1 53	30 4	15 10	21 50	22 5	23 22		n.a.
T 18	8 0	2n43	4 0	4 51	3 5	9 58	1 26	25 24	1 43	16 54	1 5	23 31	0 15	14 47	0 15	12 39	1 53	30 4	15 10	21 49	22 4	23 24		n.a.
W19	8 22	8 7	3 12	4 27	3 6	9 34	1 28	25 25	1 43	16 51	1 5	23 31	0 15	14 48	0 15	12 39	1 53	30 4	15 11	21 47	22 4	23 26		n.a.
T 20	8 44	13 6	2 17	4 2	3 6	9 11	1 31	25 25	1 42	16 48	1 5	23 31	0 15	14 50	0 15	12 38	1 53	30 4	15 11	21 47	22 3	23 27		n.a.
F 21	9 5	17 31	1 16	3 34	3 6	8 47	1 33	25 26	1 42	16 45	1 6	23 31	0 15	14 51	0 15	12 37	1 53	30 4	15 11	21 46	22 3	23 29		n.a.
S 22	9 27	21 12	0 12	3 5	3 5	8 22	1 35	25 26	1 41	16 42	1 6	23 31	0 15	14 52	0 15	12 37	1 53	30 4	15 12	21 46	22 2	23 31		n.a.
S 23	9 48	23 57	0n52	2 34	3 3	7 58	1 38	25 26	1 41	16 40	1 6	23 31	0 15	14 53	0 15	12 36	1 53	30 4	15 12	21 46	22 2	23 32		n.a.
M24	10 9	25 40	1 54	2 1	3 0	7 33	1 40	25 26	1 40	16 37	1 6	23 31	0 16	14 54	0 15	12 36	1 53	30 4	15 12	21 46	22 1	23 34		n.a.
T 25	10 31	26 13	2 51	1 26	2 57	7 8	1 41	25 26	1 40	16 34	1 7	23 31	0 16	14 55	0 15	12 35	1 53	30 4	15 13	21 46	22 1	23 36		n.a.
W26	10 51	25 34	3 42	0 50	2 53	6 42	1 43	25 26	1 39	16 32	1 7	23 31	0 16	14 56	0 15	12 35	1 53	30 4	15 13	21 47	22 0	23 37		n.a.
T 27	11 12	23 42	4 23	0 12	2 48	6 17	1 45	25 25	1 39	16 29	1 7	23 31	0 16	14 57	0 15	12 34	1 53	30 4	15 13	21 47	22 0	23 39		n.a.
F 28	11 33	20 40	4 53	0n27	2 43	5 51	1 47	25 25	1 38	16 27	1 7	23 31	0 16	14 58	0 15	12 34	1 53	30 4	15 14	21 46	21 59	23 40		n.a.
S 29	11 53	16 35	5 9	1 8	2 38	5 25	1 48	25 24	1 38	16 24	1 8	23 31	0 16	15 0	0 15	12 33	1 53	30 5	15 14	21 46	21 59	23 42		n.a.
S 30	12n13	11n35	5n10	1n50	2s31	4s59	1s50	25n23	1n37	16s22	1s 8	23s32	0s16	15n 1	0s15	12s33	1n53	30s 5	15s14	21n45	21n58	23n43		n.a.

Julian Day Number = 1480448.5, Delta T = 05h23m11s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'07, Lahiri = -13°04'06 Julian Calendar 1 Apr. 660 BCE == Greg. Calendar 25 March 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

MAY 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 7 2	2♉37'45	26♍33	11♈54	22♓55	2♋28	19♒19	11°R39	10♉46	7°R51	17♒57	6°R44	8♊ 4	16♊ 5	n.a.	M 1
T 2	14 10 58	3°35'00	10♎39	13°31	24° 4	3° 2	19°27	11♑38	10°50	7♏49	17°57	6♊39	8° 1	16°11	n.a.	T 2
W 3	14 14 55	4°32'14	25° 7	15°10	25°13	3°36	19°35	11°38	10°53	7°47	17°58	6°34	7°58	16°18	n.a.	W 3
T 4	14 18 51	5°29'27	9♏51	16°52	26°22	4°11	19°43	11°38	10°57	7°46	17°58	6°31	7°55	16°25	n.a.	T 4
F 5	14 22 48	6°26'40	24°43	18°37	27°31	4°45	19°51	11°37	11° 0	7°44	17°59	6°29	7°52	16°31	n.a.	F 5
S 6	14 26 44	7°23'52	9♐37	20°24	28°40	5°20	19°59	11°37	11° 4	7°43	17°59	6°D29	7°49	16°38	n.a.	S 6
S 7	14 30 41	8°21'03	24°24	22°13	29°50	5°54	20° 7	11°36	11° 7	7°41	18° 0	6°30	7°45	16°45	n.a.	S 7
M 8	14 34 37	9°18'14	8♑58	24° 5	0♈59	6°29	20°14	11°35	11°11	7°39	18° 0	6°31	7°42	16°51	n.a.	M 8
T 9	14 38 34	10°15'25	23°17	25°59	2° 8	7° 4	20°22	11°34	11°14	7°38	18° 1	6°32	7°39	16°58	n.a.	T 9
W10	14 42 31	11°12'35	7♒16	27°56	3°18	7°38	20°29	11°33	11°18	7°36	18° 1	6°R33	7°36	17° 5	n.a.	W10
T 11	14 46 27	12° 9'45	20°57	29°55	4°27	8°13	20°36	11°32	11°22	7°34	18° 1	6°33	7°33	17°11	n.a.	T 11
F 12	14 50 24	13° 6'55	4♓20	1♉56	5°37	8°48	20°43	11°31	11°25	7°33	18° 2	6°32	7°29	17°18	n.a.	F 12
S 13	14 54 20	14° 4'04	17°25	3°59	6°47	9°23	20°50	11°29	11°29	7°31	18° 2	6°29	7°26	17°25	n.a.	S 13
S 14	14 58 17	15° 1'13	0♈15	6° 4	7°57	9°58	20°56	11°28	11°32	7°30	18° 2	6°26	7°23	17°31	n.a.	S 14
M15	15 2 13	15°58'22	12°51	8°10	9° 7	10°33	21° 3	11°27	11°36	7°28	18° 2	6°23	7°20	17°38	n.a.	M15
T 16	15 6 10	16°55'31	25°14	10°18	10°17	11° 8	21° 9	11°25	11°39	7°26	18° 3	6°20	7°17	17°45	n.a.	T 16
W17	15 10 6	17°52'39	7♉26	12°27	11°27	11°44	21°15	11°23	11°43	7°25	18° 3	6°18	7°14	17°51	n.a.	W17
T 18	15 14 3	18°49'47	19°29	14°37	12°37	12°19	21°21	11°22	11°46	7°23	18° 3	6°16	7°10	17°58	n.a.	T 18
F 19	15 18 0	19°46'55	1♊24	16°47	13°47	12°54	21°27	11°20	11°50	7°22	18° 3	6°D15	7° 7	18° 4	n.a.	F 19
S 20	15 21 56	20°44'03	13°14	18°59	14°57	13°30	21°33	11°18	11°53	7°20	18° 3	6°16	7° 4	18°11	n.a.	S 20
S 21	15 25 53	21°41'10	25° 1	21°10	16° 7	14° 5	21°39	11°16	11°57	7°19	18° 4	6°16	7° 1	18°18	n.a.	S 21
M22	15 29 49	22°38'17	6♋49	23°21	17°17	14°41	21°44	11°14	12° 0	7°17	18° 4	6°17	6°58	18°24	n.a.	M22
T 23	15 33 46	23°35'23	18°40	25°31	18°28	15°16	21°49	11°11	12° 4	7°15	18° 4	6°19	6°54	18°31	n.a.	T 23
W24	15 37 42	24°32'30	0♌38	27°41	19°38	15°52	21°54	11° 9	12° 7	7°14	18° 4	6°20	6°51	18°38	n.a.	W24
T 25	15 41 39	25°29'35	12°48	29°50	20°49	16°28	21°59	11° 7	12°11	7°12	18° 4	6°20	6°48	18°44	n.a.	T 25
F 26	15 45 35	26°26'41	25°15	1♊58	21°59	17° 4	22° 4	11° 4	12°14	7°11	18°R 4	6°R21	6°45	18°51	n.a.	F 26
S 27	15 49 32	27°23'46	8♍ 2	4° 5	23°10	17°39	22° 8	11° 2	12°18	7° 9	18° 4	6°21	6°42	18°58	n.a.	S 27
S 28	15 53 29	28°20'50	21°12	6°10	24°21	18°15	22°13	10°59	12°21	7° 8	18° 4	6°20	6°39	19° 4	n.a.	S 28
M29	15 57 25	29°17'55	4♎49	8°13	25°31	18°51	22°17	10°56	12°25	7° 6	18° 4	6°19	6°35	19°11	n.a.	M29
T 30	16 1 22	0♊14'59	18°53	10°15	26°42	19°27	22°21	10°54	12°28	7° 5	18° 4	6°19	6°32	19°18	n.a.	T 30
W31	16 5 18	1♊12'03	3♏22	12♊16	27♈53	20♋ 3	22♒25	10♑51	12♉31	7♏ 4	18♒ 4	6♊18	6♊29	19♊24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12n33	5n52	4n54	2n33	2s25	4s33	1s51	25n22	1n37	16s19	1s 8	23s32	0s16	15n 2	0s15	12s32	1n53	30s 5	15s15	21n44	21n58	23n45			n.a.
T 2	12 53	0s19	4 19	3 18	2 17	4 6	1 52	25 21	1 36	16 17	1 9	23 32	0 16	15 3	0 15	12 32	1 53	30 5	15 15	21 43	21 57	23 47			n.a.
W 3	13 13	6 39	3 27	4 4	2 10	3 39	1 53	25 19	1 36	16 14	1 9	23 32	0 17	15 4	0 15	12 31	1 53	30 5	15 16	21 43	21 57	23 48			n.a.
T 4	13 32	12 45	2 21	4 51	2 1	3 12	1 54	25 18	1 35	16 12	1 9	23 32	0 17	15 5	0 15	12 31	1 53	30 5	15 16	21 42	21 56	23 50			n.a.
F 5	13 51	18 11	1 4	5 40	1 52	2 45	1 55	25 16	1 35	16 10	1 9	23 32	0 17	15 6	0 15	12 30	1 53	30 5	15 16	21 42	21 56	23 51			n.a.
S 6	14 10	22 29	0s17	6 29	1 43	2 18	1 56	25 14	1 34	16 7	1 10	23 32	0 17	15 7	0 15	12 30	1 53	30 6	15 17	21 42	21 55	23 53			n.a.
S 7	14 29	25 16	1 37	7 19	1 34	1 51	1 57	25 12	1 34	16 5	1 10	23 33	0 17	15 8	0 15	12 29	1 53	30 6	15 17	21 42	21 55	23 54			n.a.
M 8	14 48	26 17	2 49	8 10	1 24	1 24	1 57	25 10	1 33	16 3	1 10	23 33	0 17	15 10	0 15	12 29	1 53	30 6	15 17	21 42	21 54	23 56			n.a.
T 9	15 6	25 30	3 49	9 2	1 14	0 56	1 58	25 8	1 33	16 1	1 11	23 33	0 17	15 11	0 15	12 28	1 53	30 6	15 18	21 42	21 54	23 57			n.a.
W10	15 24	23 8	4 35	9 54	1 3	0 29	1 58	25 5	1 33	15 59	1 11	23 33	0 17	15 12	0 15	12 28	1 53	30 6	15 18	21 42	21 53	23 59			n.a.
T 11	15 42	19 29	5 3	10 47	0 53	0 1	1 59	25 3	1 32	15 57	1 11	23 33	0 17	15 13	0 15	12 27	1 53	30 7	15 18	21 42	21 53	24 1			n.a.
F 12	16 0	14 55	5 14	11 40	0 42	0n27	1 59	25 0	1 32	15 55	1 11	23 34	0 18	15 14	0 15	12 27	1 53	30 7	15 19	21 42	21 52	24 2			n.a.
S 13	16 17	9 46	5 9	12 32	0 31	0 54	1 59	24 57	1 31	15 53	1 12	23 34	0 18	15 15	0 15	12 26	1 53	30 7	15 19	21 42	21 51	24 4			n.a.
S 14	16 34	4 18	4 48	13 25	0 20	1 22	1 59	24 54	1 31	15 51	1 12	23 34	0 18	15 16	0 15	12 25	1 53	30 7	15 20	21 41	21 51	24 5			n.a.
M15	16 51	1n15	4 14	14 17	0 9	1 50	1 59	24 51	1 30	15 49	1 12	23 34	0 18	15 17	0 15	12 25	1 53	30 8	15 20	21 41	21 50	24 7			n.a.
T 16	17 8	6 41	3 28	15 9	0n 2	2 18	1 59	24 47	1 30	15 47	1 13	23 35	0 18	15 19	0 15	12 24	1 53	30 8	15 20	21 40	21 50	24 8			n.a.
W17	17 24	11 47	2 33	15 59	0 13	2 46	1 59	24 44	1 29	15 46	1 13	23 35	0 18	15 20	0 15	12 24	1 53	30 8	15 21	21 40	21 49	24 10			n.a.
T 18	17 40	16 23	1 31	16 49	0 23	3 14	1 59	24 40	1 29	15 44	1 13	23 35	0 18	15 21	0 15	12 23	1 53	30 9	15 21	21 40	21 49	24 11			n.a.
F 19	17 56	20 18	0 27	17 37	0 33	3 42	1 58	24 36	1 28	15 42	1 13	23 35	0 18	15 22	0 15	12 23	1 53	30 9	15 21	21 39	21 48	24 12			n.a.
S 20	18 11	23 21	0n39	18 24	0 43	4 9	1 58	24 32	1 28	15 41	1 14	23 36	0 19	15 23	0 15	12 22	1 53	30 9	15 22	21 39	21 48	24 14			n.a.
S 21	18 26	25 23	1 42	19 9	0 52	4 37	1 58	24 28	1 27	15 39	1 14	23 36	0 19	15 24	0 15	12 22	1 53	30 9	15 22	21 40	21 47	24 15			n.a.
M22	18 41	26 17	2 41	19 51	1 1	5 5	1 57	24 23	1 27	15 38	1 14	23 36	0 19	15 25	0 15	12 21	1 53	30 10	15 23	21 40	21 47	24 17			n.a.
T 23	18 56	25 59	3 34	20 32	1 9	5 33	1 56	24 19	1 26	15 36	1 15	23 37	0 19	15 26	0 15	12 21	1 53	30 10	15 23	21 40	21 46	24 18			n.a.
W24	19 10	24 29	4 18	21 10	1 17	6 0	1 56	24 14	1 26	15 35	1 15	23 37	0 19	15 27	0 15	12 21	1 53	30 10	15 23	21 40	21 46	24 20			n.a.
T 25	19 24	21 51	4 51	21 46	1 24	6 28	1 55	24 9	1 25	15 34	1 15	23 37	0 19	15 28	0 15	12 20	1 53	30 11	15 24	21 40	21 45	24 21			n.a.
F 26	19 38	18 10	5 11	22 19	1 31	6 56	1 54	24 4	1 25	15 33	1 16	23 38	0 19	15 29	0 15	12 20	1 53	30 11	15 24	21 40	21 44	24 23			n.a.
S 27	19 51	13 34	5 17	22 50	1 36	7 23	1 53	23 59	1 24	15 31	1 16	23 38	0 19	15 31	0 15	12 19	1 53	30 11	15 24	21 40	21 44	24 24			n.a.
S 28	20 4	8 13	5 7	23 18	1 41	7 50	1 52	23 54	1 24	15 30	1 16	23 38	0 19	15 32	0 15	12 19	1 53	30 12	15 25	21 40	21 43	24 26			n.a.
M29	20 17	2 19	4 39	23 44	1 46	8 17	1 51	23 48	1 23	15 29	1 17	23 39	0 20	15 33	0 15	12 18	1 53	30 12	15 25	21 40	21 43	24 27			n.a.
T 30	20 29	3s54	3 54	24 6	1 49	8 44	1 49	23 42	1 23	15 28	1 17	23 39	0 20	15 34	0 15	12 18	1 53	30 13	15 26	21 40	21 42	24 28			n.a.
W31	20n41	10s 6	2n53	24n26	1n52	9n11	1s48	23n37	1n22	15s27	1s17	23s39	0s20	15n35	0s15	12s17	1n53	30s13	15s26	21n40	21n42	24n30			n.a.

Julian Day Number = 1480478.5, Delta T = 05h23m10s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°11'03, Lahiri = -13°04'02 Julian Calendar 1 May 660 BCE == Greg. Calendar 24 Apr. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

JUNE 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 9 15	2♊ 9'08	18♏12	14♊14	29♈ 4	20♋39	22♒28	10°R48	12♉35	7°R 2	18°R 3	6°R18	6♊26	19♊31	n.a.	T 1
F 2	16 13 11	3° 6'12	3♐16	16°11	0♉15	21°16	22°32	10♑45	12°38	7♏ 1	18♒ 3	6°D17	6°23	19°38	n.a.	F 2
S 3	16 17 8	4° 3'17	18°25	18° 5	1°26	21°52	22°35	10°42	12°42	6°59	18° 3	6♊18	6°20	19°44	n.a.	S 3
S 4	16 21 5	5° 0'21	3♑30	19°58	2°37	22°28	22°38	10°39	12°45	6°58	18° 3	6°18	6°16	19°51	n.a.	S 4
M 5	16 25 1	5°57'27	18°24	21°49	3°48	23° 4	22°41	10°35	12°48	6°57	18° 3	6°R18	6°13	19°58	n.a.	M 5
T 6	16 28 58	6°54'33	2♒58	23°38	4°59	23°41	22°44	10°32	12°52	6°55	18° 2	6°18	6°10	20° 4	n.a.	T 6
W 7	16 32 54	7°51'39	17° 9	25°25	6°10	24°17	22°46	10°29	12°55	6°54	18° 2	6°18	6° 7	20°11	n.a.	W 7
T 8	16 36 51	8°48'46	0♓55	27°10	7°21	24°54	22°49	10°25	12°58	6°53	18° 2	6°18	6° 4	20°17	n.a.	T 8
F 9	16 40 47	9°45'54	14°17	28°53	8°33	25°30	22°51	10°22	13° 1	6°51	18° 2	6°D17	6° 0	20°24	n.a.	F 9
S 10	16 44 44	10°43'02	27°17	0♋34	9°44	26° 7	22°53	10°18	13° 5	6°50	18° 1	6°18	5°57	20°31	n.a.	S 10
S 11	16 48 40	11°40'11	9♈56	2°13	10°56	26°44	22°54	10°15	13° 8	6°49	18° 1	6°18	5°54	20°37	n.a.	S 11
M12	16 52 37	12°37'21	22°20	3°51	12° 7	27°20	22°56	10°11	13°11	6°47	18° 1	6°19	5°51	20°44	n.a.	M12
T 13	16 56 34	13°34'32	4♉30	5°26	13°19	27°57	22°57	10° 7	13°14	6°46	18° 0	6°19	5°48	20°51	n.a.	T 13
W14	17 0 30	14°31'43	16°30	6°59	14°30	28°34	22°59	10° 3	13°17	6°45	18° 0	6°20	5°45	20°57	n.a.	W14
T 15	17 4 27	15°28'55	28°24	8°31	15°42	29°11	23° 0	10° 0	13°21	6°44	17°59	6°20	5°41	21° 4	n.a.	T 15
F 16	17 8 23	16°26'08	10♊13	10° 0	16°54	29°48	23° 0	9°56	13°24	6°43	17°59	6°R21	5°38	21°11	n.a.	F 16
S 17	17 12 20	17°23'22	22° 0	11°28	18° 6	0♌25	23° 1	9°52	13°27	6°42	17°58	6°20	5°35	21°17	n.a.	S 17
S 18	17 16 16	18°20'36	3♋48	12°53	19°17	1° 2	23° 2	9°48	13°30	6°40	17°58	6°19	5°32	21°24	n.a.	S 18
M19	17 20 13	19°17'51	15°39	14°16	20°29	1°39	23° 2	9°44	13°33	6°39	17°57	6°17	5°29	21°31	n.a.	M19
T 20	17 24 10	20°15'06	27°34	15°38	21°41	2°16	23°R 2	9°40	13°36	6°38	17°57	6°16	5°26	21°37	n.a.	T 20
W21	17 28 6	21°12'23	9♌37	16°57	22°53	2°54	23° 2	9°36	13°39	6°37	17°56	6°13	5°22	21°44	n.a.	W21
T 22	17 32 3	22° 9'39	21°51	18°14	24° 5	3°31	23° 1	9°31	13°42	6°36	17°56	6°11	5°19	21°51	n.a.	T 22
F 23	17 35 59	23° 6'57	4♍19	19°29	25°17	4° 8	23° 1	9°27	13°45	6°35	17°55	6°10	5°16	21°57	n.a.	F 23
S 24	17 39 56	24° 4'15	17° 4	20°41	26°29	4°46	23° 0	9°23	13°48	6°34	17°54	6° 9	5°13	22° 4	n.a.	S 24
S 25	17 43 52	25° 1'33	0♎10	21°51	27°41	5°23	22°59	9°19	13°50	6°33	17°54	6°D 9	5°10	22°11	n.a.	S 25
M26	17 47 49	25°58'53	13°39	22°59	28°54	6° 1	22°58	9°14	13°53	6°32	17°53	6°10	5° 6	22°17	n.a.	M26
T 27	17 51 45	26°56'13	27°33	24° 4	0♊ 6	6°38	22°56	9°10	13°56	6°32	17°52	6°11	5° 3	22°24	n.a.	T 27
W28	17 55 42	27°53'33	11♏52	25° 7	1°18	7°16	22°55	9° 6	13°59	6°31	17°52	6°12	5° 0	22°31	n.a.	W28
T 29	17 59 39	28°50'55	26°34	26° 6	2°31	7°54	22°53	9° 1	14° 2	6°30	17°51	6°13	4°57	22°37	n.a.	T 29
F 30	18 3 35	29♊48'18	11♐34	27♋ 3	3♊43	8♌31	22♒51	8♑57	14♉ 4	6♏29	17♒50	6°R13	4♊54	22♊44	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n53	15s54	1n39	24n44	1n55	9n38	1s47	23n31	1n22	15s26	1s18	23s40	0s20	15n36	0s15	12s17	1n53	30s13	15s26	21n40	21n41	24n31		n.a.
F 2	21 4	20 50	0 17	24 58	1 56	10 4	1 45	23 24	1 21	15 25	1 18	23 40	0 20	15 37	0 15	12 16	1 53	30 14	15 27	21 40	21 41	24 33		n.a.
S 3	21 15	24 22	1s 7	25 11	1 57	10 31	1 44	23 18	1 21	15 25	1 18	23 40	0 20	15 38	0 15	12 16	1 53	30 14	15 27	21 40	21 40	24 34		n.a.
S 4	21 26	26 9	2 26	25 20	1 57	10 57	1 42	23 12	1 20	15 24	1 19	23 41	0 20	15 39	0 15	12 16	1 53	30 14	15 27	21 40	21 40	24 35		n.a.
M 5	21 36	26 1	3 33	25 28	1 57	11 23	1 41	23 5	1 20	15 23	1 19	23 41	0 20	15 40	0 15	12 15	1 53	30 15	15 28	21 40	21 39	24 37		n.a.
T 6	21 46	24 4	4 26	25 33	1 56	11 48	1 39	22 58	1 19	15 23	1 19	23 41	0 20	15 41	0 15	12 15	1 52	30 15	15 28	21 40	21 38	24 38		n.a.
W 7	21 56	20 40	5 0	25 36	1 54	12 14	1 38	22 51	1 19	15 22	1 20	23 42	0 21	15 42	0 15	12 14	1 52	30 16	15 28	21 40	21 38	24 39		n.a.
T 8	22 5	16 13	5 16	25 37	1 52	12 39	1 36	22 44	1 18	15 22	1 20	23 42	0 21	15 43	0 15	12 14	1 52	30 16	15 29	21 40	21 37	24 41		n.a.
F 9	22 14	11 5	5 15	25 36	1 49	13 4	1 34	22 37	1 18	15 21	1 20	23 43	0 21	15 44	0 15	12 14	1 52	30 17	15 29	21 40	21 37	24 42		n.a.
S 10	22 22	5 37	4 57	25 32	1 46	13 29	1 32	22 29	1 17	15 21	1 21	23 43	0 21	15 45	0 15	12 13	1 52	30 17	15 30	21 40	21 36	24 43		n.a.
S 11	22 30	0 4	4 25	25 27	1 42	13 53	1 30	22 22	1 17	15 21	1 21	23 43	0 21	15 46	0 15	12 13	1 52	30 18	15 30	21 40	21 36	24 45		n.a.
M12	22 38	5n24	3 41	25 21	1 38	14 17	1 28	22 14	1 16	15 20	1 21	23 44	0 21	15 47	0 15	12 12	1 52	30 18	15 30	21 40	21 35	24 46		n.a.
T 13	22 45	10 34	2 48	25 12	1 33	14 41	1 26	22 6	1 16	15 20	1 22	23 44	0 21	15 48	0 15	12 12	1 52	30 18	15 31	21 40	21 34	24 47		n.a.
W14	22 52	15 17	1 48	25 2	1 27	15 5	1 24	21 58	1 15	15 20	1 22	23 45	0 21	15 49	0 15	12 12	1 52	30 19	15 31	21 40	21 34	24 49		n.a.
T 15	22 58	19 22	0 44	24 51	1 21	15 28	1 22	21 50	1 15	15 20	1 22	23 45	0 21	15 50	0 15	12 11	1 52	30 19	15 31	21 40	21 33	24 50		n.a.
F 16	23 4	22 39	0n21	24 38	1 15	15 51	1 20	21 41	1 14	15 20	1 23	23 45	0 22	15 51	0 15	12 11	1 52	30 20	15 32	21 40	21 33	24 51		n.a.
S 17	23 10	24 57	1 26	24 24	1 8	16 13	1 18	21 33	1 14	15 20	1 23	23 46	0 22	15 52	0 15	12 11	1 52	30 20	15 32	21 40	21 32	24 53		n.a.
S 18	23 15	26 10	2 26	24 9	1 1	16 35	1 15	21 24	1 13	15 21	1 23	23 46	0 22	15 53	0 15	12 10	1 52	30 21	15 32	21 40	21 32	24 54		n.a.
M19	23 20	26 10	3 21	23 53	0 53	16 57	1 13	21 15	1 13	15 21	1 24	23 47	0 22	15 54	0 15	12 10	1 52	30 21	15 33	21 40	21 31	24 55		n.a.
T 20	23 25	24 58	4 7	23 36	0 45	17 18	1 11	21 6	1 12	15 21	1 24	23 47	0 22	15 55	0 15	12 10	1 52	30 22	15 33	21 39	21 31	24 57		n.a.
W21	23 29	22 37	4 43	23 17	0 37	17 39	1 8	20 57	1 12	15 21	1 24	23 47	0 22	15 56	0 15	12 9	1 52	30 22	15 33	21 39	21 30	24 58		n.a.
T 22	23 32	19 14	5 6	22 58	0 28	18 0	1 6	20 48	1 11	15 22	1 25	23 48	0 22	15 56	0 15	12 9	1 52	30 23	15 34	21 39	21 29	24 59		n.a.
F 23	23 36	14 57	5 16	22 39	0 19	18 20	1 3	20 38	1 11	15 22	1 25	23 48	0 22	15 57	0 15	12 9	1 52	30 23	15 34	21 38	21 29	25 0		n.a.
S 24	23 38	9 55	5 10	22 18	0 9	18 39	1 1	20 29	1 10	15 23	1 25	23 49	0 22	15 58	0 15	12 9	1 52	30 24	15 34	21 38	21 28	25 2		n.a.
S 25	23 41	4 20	4 49	21 58	0s 1	18 58	0 58	20 19	1 10	15 24	1 26	23 49	0 23	15 59	0 15	12 8	1 52	30 24	15 35	21 38	21 28	25 3		n.a.
M26	23 43	1s37	4 11	21 36	0 11	19 17	0 56	20 9	1 9	15 24	1 26	23 49	0 23	16 0	0 15	12 8	1 52	30 25	15 35	21 38	21 27	25 4		n.a.
T 27	23 44	7 41	3 18	21 15	0 22	19 35	0 53	19 59	1 9	15 25	1 26	23 50	0 23	16 1	0 15	12 8	1 52	30 25	15 35	21 39	21 26	25 5		n.a.
W28	23 46	13 33	2 10	20 53	0 32	19 53	0 51	19 49	1 8	15 26	1 27	23 50	0 23	16 2	0 15	12 8	1 51	30 26	15 35	21 39	21 26	25 7		n.a.
T 29	23 46	18 48	0 53	20 31	0 43	20 10	0 48	19 38	1 8	15 27	1 27	23 51	0 23	16 2	0 15	12 7	1 51	30 26	15 36	21 39	21 25	25 8		n.a.
F 30	23n47	22s58	0s29	20n 9	0s55	20n27	0s46	19n28	1n 7	15s28	1s27	23s51	0s23	16n 3	0s15	12s 7	1n51	30s27	15s36	21n39	21n25	25n 9		n.a.

Julian Day Number = 1480509.5, Delta T = 05h23m08s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'59, Lahiri = -13°03'58 Julian Calendar 1 June 660 BCE == Greg. Calendar 25 May 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

JULY 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 7 32	0♋45'41	26♐45	27♋57	4♊55	9♌ 9	22°R49	8°R53	14♉ 7	6°R28	17°R50	6°R12	4♊51	22♊50	n.a.	S 1
S 2	18 11 28	1°43'06	11♑58	28°48	6° 8	9°47	22♒47	8♑48	14°10	6♏27	17♒49	6♊10	4°47	22°57	n.a.	S 2
M 3	18 15 25	2°40'32	27° 2	29°36	7°20	10°25	22°44	8°44	14°12	6°27	17°48	6° 7	4°44	23° 4	n.a.	M 3
T 4	18 19 21	3°37'59	11♒48	0♌20	8°33	11° 3	22°42	8°39	14°15	6°26	17°47	6° 3	4°41	23°10	n.a.	T 4
W 5	18 23 18	4°35'28	26°11	1° 0	9°46	11°41	22°39	8°35	14°18	6°25	17°46	6° 0	4°38	23°17	n.a.	W 5
T 6	18 27 14	5°32'58	10♓ 6	1°37	10°58	12°19	22°36	8°30	14°20	6°25	17°46	5°56	4°35	23°24	n.a.	T 6
F 7	18 31 11	6°30'29	23°33	2°10	12°11	12°57	22°32	8°26	14°23	6°24	17°45	5°54	4°32	23°30	n.a.	F 7
S 8	18 35 8	7°28'02	6♈34	2°38	13°24	13°35	22°29	8°21	14°25	6°24	17°44	5°D54	4°28	23°37	n.a.	S 8
S 9	18 39 4	8°25'37	19°11	3° 2	14°37	14°13	22°25	8°17	14°27	6°23	17°43	5°54	4°25	23°44	n.a.	S 9
M10	18 43 1	9°23'13	1♉29	3°22	15°50	14°51	22°22	8°12	14°30	6°22	17°42	5°56	4°22	23°50	n.a.	M10
T 11	18 46 57	10°20'51	13°33	3°36	17° 3	15°30	22°18	8° 8	14°32	6°22	17°41	5°57	4°19	23°57	n.a.	T 11
W12	18 50 54	11°18'31	25°27	3°46	18°16	16° 8	22°13	8° 3	14°34	6°21	17°40	5°59	4°16	24° 4	n.a.	W12
T 13	18 54 50	12°16'12	7♊16	3°R50	19°29	16°47	22° 9	7°59	14°37	6°21	17°39	5°R59	4°12	24°10	n.a.	T 13
F 14	18 58 47	13°13'56	19° 3	3°49	20°42	17°25	22° 5	7°54	14°39	6°21	17°38	5°58	4° 9	24°17	n.a.	F 14
S 15	19 2 43	14°11'40	0♋50	3°43	21°55	18° 4	22° 0	7°50	14°41	6°20	17°37	5°55	4° 6	24°24	n.a.	S 15
S 16	19 6 40	15° 9'26	12°42	3°30	23° 8	18°42	21°55	7°45	14°43	6°20	17°36	5°51	4° 3	24°30	n.a.	S 16
M17	19 10 37	16° 7'14	24°39	3°12	24°22	19°21	21°50	7°41	14°45	6°20	17°35	5°45	4° 0	24°37	n.a.	M17
T 18	19 14 33	17° 5'03	6♌44	2°48	25°35	20° 0	21°45	7°36	14°47	6°19	17°34	5°37	3°57	24°44	n.a.	T 18
W19	19 18 30	18° 2'54	18°57	2°19	26°48	20°38	21°40	7°32	14°49	6°19	17°33	5°30	3°53	24°50	n.a.	W19
T 20	19 22 26	19° 0'46	1♍21	1°44	28° 2	21°17	21°34	7°28	14°51	6°19	17°32	5°22	3°50	24°57	n.a.	T 20
F 21	19 26 23	19°58'40	13°57	1° 4	29°15	21°56	21°28	7°23	14°53	6°19	17°31	5°16	3°47	25° 4	n.a.	F 21
S 22	19 30 19	20°56'35	26°46	0°20	0♋29	22°35	21°23	7°19	14°55	6°19	17°30	5°12	3°44	25°10	n.a.	S 22
S 23	19 34 16	21°54'31	9♎52	29♋31	1°42	23°14	21°17	7°15	14°57	6°18	17°29	5° 9	3°41	25°17	n.a.	S 23
M24	19 38 12	22°52'29	23°16	28°39	2°56	23°53	21°11	7°10	14°59	6°18	17°28	5°D 8	3°38	25°24	n.a.	M24
T 25	19 42 9	23°50'28	7♏ 0	27°45	4° 9	24°32	21° 4	7° 6	15° 1	6°18	17°27	5° 9	3°34	25°30	n.a.	T 25
W26	19 46 6	24°48'29	21° 5	26°50	5°23	25°11	20°58	7° 2	15° 2	6°D18	17°26	5°10	3°31	25°37	n.a.	W26
T 27	19 50 2	25°46'32	5♐32	25°54	6°37	25°50	20°52	6°58	15° 4	6°18	17°25	5°R11	3°28	25°44	n.a.	T 27
F 28	19 53 59	26°44'36	20°16	24°58	7°50	26°30	20°45	6°54	15° 6	6°18	17°24	5°10	3°25	25°50	n.a.	F 28
S 29	19 57 55	27°42'41	5♑14	24° 5	9° 4	27° 9	20°38	6°50	15° 7	6°18	17°22	5° 7	3°22	25°57	n.a.	S 29
S 30	20 1 52	28°40'48	20°17	23°16	10°18	27°48	20°32	6°46	15° 9	6°18	17°21	5° 1	3°18	26° 3	n.a.	S 30
M31	20 5 48	29♋38'58	5♒17	22♋30	11♋32	28♌28	20♒25	6♑42	15♉10	6♏19	17♒20	4♊54	3♊15	26♊10	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n46	25s35	1s51	19n47	1s 6	20n43	0s43	19n17	1n 7	15s29	1s28	23s51	0s23	16n 4	0s15	12s 7	1n51	30s27	15s36	21n39	21n24	25n10		n.a.
S 2	23 46	26 17	3 4	19 25	1 18	20 58	0 40	19 7	1 6	15 30	1 28	23 52	0 23	16 5	0 15	12 7	1 51	30 28	15 37	21 38	21 24	25 11		n.a.
M 3	23 45	25 2	4 4	19 4	1 30	21 13	0 38	18 56	1 6	15 31	1 28	23 52	0 23	16 6	0 15	12 7	1 51	30 28	15 37	21 38	21 23	25 13		n.a.
T 4	23 43	22 4	4 46	18 43	1 42	21 28	0 35	18 45	1 5	15 32	1 29	23 53	0 23	16 6	0 15	12 6	1 51	30 29	15 37	21 37	21 22	25 14		n.a.
W 5	23 42	17 48	5 9	18 22	1 54	21 42	0 32	18 33	1 5	15 33	1 29	23 53	0 24	16 7	0 15	12 6	1 51	30 29	15 37	21 37	21 22	25 15		n.a.
T 6	23 39	12 42	5 13	18 2	2 6	21 55	0 30	18 22	1 4	15 35	1 29	23 53	0 24	16 8	0 15	12 6	1 51	30 30	15 38	21 36	21 21	25 16		n.a.
F 7	23 37	7 9	4 59	17 43	2 18	22 7	0 27	18 11	1 4	15 36	1 30	23 54	0 24	16 9	0 15	12 6	1 51	30 31	15 38	21 36	21 21	25 17		n.a.
S 8	23 34	1 29	4 30	17 24	2 30	22 20	0 24	17 59	1 3	15 37	1 30	23 54	0 24	16 9	0 15	12 6	1 51	30 31	15 38	21 36	21 20	25 19		n.a.
S 9	23 30	4n 5	3 49	17 7	2 42	22 31	0 22	17 47	1 2	15 39	1 30	23 55	0 24	16 10	0 15	12 6	1 51	30 32	15 38	21 36	21 19	25 20		n.a.
M10	23 26	9 23	2 58	16 51	2 54	22 42	0 19	17 35	1 2	15 41	1 30	23 55	0 24	16 11	0 15	12 6	1 51	30 32	15 39	21 36	21 19	25 21		n.a.
T 11	23 22	14 14	2 0	16 36	3 6	22 52	0 16	17 23	1 1	15 42	1 31	23 55	0 24	16 12	0 15	12 5	1 51	30 33	15 39	21 36	21 18	25 22		n.a.
W12	23 17	18 28	0 57	16 23	3 18	23 1	0 14	17 11	1 1	15 44	1 31	23 56	0 24	16 12	0 15	12 5	1 51	30 33	15 39	21 36	21 18	25 23		n.a.
T 13	23 12	21 57	0n 7	16 11	3 29	23 10	0 11	16 59	1 0	15 46	1 31	23 56	0 24	16 13	0 15	12 5	1 51	30 34	15 39	21 36	21 17	25 24		n.a.
F 14	23 6	24 29	1 11	16 1	3 39	23 19	0 8	16 47	1 0	15 47	1 32	23 56	0 24	16 14	0 15	12 5	1 51	30 34	15 40	21 36	21 16	25 25		n.a.
S 15	23 0	25 58	2 11	15 53	3 49	23 26	0 5	16 34	0 59	15 49	1 32	23 57	0 24	16 14	0 15	12 5	1 50	30 35	15 40	21 36	21 16	25 27		n.a.
S 16	22 54	26 15	3 6	15 47	3 58	23 33	0 3	16 22	0 59	15 51	1 32	23 57	0 25	16 15	0 15	12 5	1 50	30 35	15 40	21 35	21 15	25 28		n.a.
M17	22 47	25 19	3 54	15 43	4 7	23 39	0 0	16 9	0 58	15 53	1 32	23 58	0 25	16 16	0 15	12 5	1 50	30 36	15 40	21 34	21 15	25 29		n.a.
T 18	22 40	23 13	4 31	15 41	4 14	23 45	0n 2	15 56	0 58	15 55	1 33	23 58	0 25	16 16	0 15	12 5	1 50	30 36	15 41	21 33	21 14	25 30		n.a.
W19	22 32	20 2	4 56	15 41	4 21	23 49	0 5	15 43	0 57	15 57	1 33	23 58	0 25	16 17	0 15	12 5	1 50	30 37	15 41	21 31	21 13	25 31		n.a.
T 20	22 24	15 56	5 8	15 44	4 25	23 53	0 8	15 30	0 57	15 59	1 33	23 59	0 25	16 17	0 15	12 5	1 50	30 37	15 41	21 30	21 13	25 32		n.a.
F 21	22 16	11 5	5 5	15 50	4 29	23 57	0 10	15 16	0 56	16 1	1 34	23 59	0 25	16 18	0 15	12 5	1 50	30 38	15 41	21 29	21 12	25 33		n.a.
S 22	22 7	5 41	4 47	15 57	4 31	23 59	0 13	15 3	0 55	16 3	1 34	23 59	0 25	16 18	0 15	12 5	1 50	30 39	15 41	21 28	21 12	25 34		n.a.
S 23	21 58	0s 5	4 14	16 7	4 31	24 1	0 15	14 50	0 55	16 5	1 34	24 0	0 25	16 19	0 15	12 5	1 50	30 39	15 42	21 28	21 11	25 35		n.a.
M24	21 48	5 58	3 27	16 20	4 29	24 3	0 18	14 36	0 54	16 8	1 34	24 0	0 25	16 20	0 15	12 5	1 50	30 40	15 42	21 27	21 10	25 36		n.a.
T 25	21 38	11 45	2 26	16 34	4 26	24 3	0 20	14 22	0 54	16 10	1 35	24 0	0 25	16 20	0 15	12 5	1 50	30 40	15 42	21 27	21 10	25 37		n.a.
W26	21 28	17 4	1 15	16 50	4 20	24 3	0 23	14 8	0 53	16 12	1 35	24 0	0 25	16 21	0 15	12 5	1 50	30 41	15 42	21 28	21 9	25 38		n.a.
T 27	21 17	21 33	0s 2	17 8	4 12	24 2	0 25	13 55	0 53	16 14	1 35	24 1	0 25	16 21	0 15	12 5	1 50	30 41	15 42	21 28	21 9	25 39		n.a.
F 28	21 6	24 45	1 20	17 27	4 3	24 0	0 28	13 40	0 52	16 17	1 35	24 1	0 26	16 22	0 15	12 5	1 50	30 42	15 42	21 28	21 8	25 41		n.a.
S 29	20 55	26 14	2 34	17 47	3 52	23 58	0 30	13 26	0 52	16 19	1 35	24 1	0 26	16 22	0 15	12 5	1 50	30 42	15 43	21 27	21 7	25 42		n.a.
S 30	20 43	25 48	3 38	18 9	3 39	23 55	0 32	13 12	0 51	16 22	1 36	24 2	0 26	16 22	0 15	12 5	1 49	30 43	15 43	21 26	21 7	25 43		n.a.
M31	20n31	23s30	4s26	18n30	3s25	23n51	0n35	12n58	0n51	16s24	1s36	24s 2	0s26	16n23	0s15	12s 6	1n49	30s43	15s43	21n25	21n 6	25n44		n.a.

Julian Day Number = 1480539.5, Delta T = 05h23m07s
Ecliptic obliquity = 23°46'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'55, Lahiri = -13°03'54 Julian Calendar 1 July 660 BCE == Greg. Calendar 24 June 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

AUGUST 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 9 45	0♌37'08	20♒ 5	21°R51	12♋46	29♌ 7	20°R18	6°R38	15♉12	6♏19	17°R19	4°R46	3♊12	26♊17	n.a.	T 1
W 2	20 13 41	1°35'21	4♓31	21♋17	14° 0	29°47	20♒10	6♑34	15°13	6°19	17♒18	4♊37	3° 9	26°23	n.a.	W 2
T 3	20 17 38	2°33'36	18°32	20°51	15°14	0♍26	20° 3	6°30	15°14	6°19	17°17	4°29	3° 6	26°30	n.a.	T 3
F 4	20 21 35	3°31'53	2♈ 4	20°33	16°28	1° 6	19°56	6°26	15°16	6°20	17°15	4°23	3° 3	26°37	n.a.	F 4
S 5	20 25 31	4°30'12	15° 9	20°24	17°42	1°46	19°48	6°23	15°17	6°20	17°14	4°19	2°59	26°43	n.a.	S 5
S 6	20 29 28	5°28'33	27°48	20°D23	18°56	2°25	19°41	6°19	15°18	6°20	17°13	4°17	2°56	26°50	n.a.	S 6
M 7	20 33 24	6°26'57	10♉ 6	20°31	20°10	3° 5	19°33	6°15	15°19	6°21	17°12	4°D17	2°53	26°57	n.a.	M 7
T 8	20 37 21	7°25'23	22° 9	20°48	21°24	3°45	19°26	6°12	15°20	6°21	17°11	4°17	2°50	27° 3	n.a.	T 8
W 9	20 41 17	8°23'51	4♊ 2	21°14	22°39	4°25	19°18	6° 8	15°22	6°21	17°10	4°R18	2°47	27°10	n.a.	W 9
T 10	20 45 14	9°22'21	15°50	21°49	23°53	5° 5	19°10	6° 5	15°23	6°22	17° 8	4°17	2°44	27°17	n.a.	T 10
F 11	20 49 10	10°20'54	27°37	22°33	25° 7	5°45	19° 2	6° 2	15°23	6°22	17° 7	4°14	2°40	27°23	n.a.	F 11
S 12	20 53 7	11°19'29	9♋28	23°25	26°22	6°25	18°55	5°58	15°24	6°23	17° 6	4° 9	2°37	27°30	n.a.	S 12
S 13	20 57 4	12°18'06	21°25	24°24	27°36	7° 5	18°47	5°55	15°25	6°23	17° 5	4° 1	2°34	27°37	n.a.	S 13
M14	21 1 0	13°16'45	3♌32	25°30	28°51	7°45	18°39	5°52	15°26	6°24	17° 3	3°51	2°31	27°43	n.a.	M14
T 15	21 4 57	14°15'27	15°49	26°43	0♌ 5	8°26	18°31	5°49	15°27	6°25	17° 2	3°39	2°28	27°50	n.a.	T 15
W16	21 8 53	15°14'10	28°18	28° 2	1°20	9° 6	18°23	5°46	15°27	6°25	17° 1	3°26	2°24	27°57	n.a.	W16
T 17	21 12 50	16°12'55	10♍58	29°26	2°34	9°46	18°15	5°43	15°28	6°26	17° 0	3°14	2°21	28° 3	n.a.	T 17
F 18	21 16 46	17°11'43	23°50	0♌55	3°49	10°27	18° 7	5°40	15°29	6°27	16°59	3° 3	2°18	28°10	n.a.	F 18
S 19	21 20 43	18°10'32	6♎53	2°28	5° 3	11° 7	17°59	5°38	15°29	6°27	16°57	2°55	2°15	28°17	n.a.	S 19
S 20	21 24 39	19° 9'23	20° 8	4° 5	6°18	11°48	17°51	5°35	15°30	6°28	16°56	2°49	2°12	28°23	n.a.	S 20
M21	21 28 36	20° 8'16	3♏36	5°44	7°33	12°28	17°43	5°33	15°30	6°29	16°55	2°46	2° 9	28°30	n.a.	M21
T 22	21 32 32	21° 7'11	17°18	7°26	8°47	13° 9	17°35	5°30	15°31	6°30	16°54	2°D45	2° 5	28°37	n.a.	T 22
W23	21 36 29	22° 6'08	1♐14	9°10	10° 2	13°50	17°27	5°28	15°31	6°31	16°52	2°R45	2° 2	28°43	n.a.	W23
T 24	21 40 26	23° 5'06	15°24	10°56	11°17	14°31	17°19	5°25	15°31	6°32	16°51	2°45	1°59	28°50	n.a.	T 24
F 25	21 44 22	24° 4'07	29°49	12°43	12°32	15°11	17°11	5°23	15°31	6°33	16°50	2°43	1°56	28°57	n.a.	F 25
S 26	21 48 19	25° 3'10	14♑25	14°30	13°47	15°52	17° 3	5°21	15°32	6°34	16°49	2°38	1°53	29° 3	n.a.	S 26
S 27	21 52 15	26° 2'14	29° 6	16°18	15° 2	16°33	16°55	5°19	15°32	6°35	16°48	2°31	1°50	29°10	n.a.	S 27
M28	21 56 12	27° 1'20	13♒48	18° 7	16°16	17°14	16°47	5°17	15°32	6°36	16°46	2°21	1°46	29°17	n.a.	M28
T 29	22 0 8	28° 0'29	28°21	19°55	17°31	17°55	16°40	5°15	15°R32	6°37	16°45	2°10	1°43	29°23	n.a.	T 29
W30	22 4 5	28°59'39	12♓38	21°44	18°46	18°36	16°32	5°13	15°32	6°38	16°44	1°58	1°40	29°30	n.a.	W30
T 31	22 8 1	29♌58'52	26♓34	23♌32	20♌ 1	19♍17	16♒24	5♑12	15♉32	6♏39	16♒43	1♊46	1♊37	29♊37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n18	19s39	4s56	18n52	3s 9	23n46	0n37	12n43	0n50	16s26	1s36	24s 2	0s26	16n23	0s15	12s 6	1n49	30s44	15s43	21n23	21n 5	25n45			n.a.
W 2	20 5	14 43	5 5	19 14	2 52	23 41	0 39	12 29	0 49	16 29	1 36	24 2	0 26	16 24	0 15	12 6	1 49	30 44	15 43	21 22	21 5	25 46			n.a.
T 3	19 52	9 8	4 56	19 35	2 35	23 35	0 42	12 14	0 49	16 31	1 36	24 3	0 26	16 24	0 15	12 6	1 49	30 45	15 43	21 20	21 4	25 47			n.a.
F 4	19 38	3 18	4 31	19 56	2 17	23 28	0 44	11 59	0 48	16 34	1 37	24 3	0 26	16 24	0 15	12 6	1 49	30 45	15 43	21 19	21 4	25 48			n.a.
S 5	19 24	2n29	3 52	20 15	1 58	23 21	0 46	11 44	0 48	16 37	1 37	24 3	0 26	16 25	0 15	12 6	1 49	30 46	15 43	21 18	21 3	25 49			n.a.
S 6	19 10	8 0	3 2	20 34	1 40	23 12	0 48	11 29	0 47	16 39	1 37	24 3	0 26	16 25	0 15	12 6	1 49	30 46	15 43	21 18	21 2	25 50			n.a.
M 7	18 55	13 4	2 6	20 51	1 21	23 4	0 50	11 14	0 47	16 42	1 37	24 4	0 26	16 26	0 15	12 7	1 49	30 47	15 44	21 18	21 2	25 51			n.a.
T 8	18 40	17 32	1 4	21 6	1 3	22 54	0 52	10 59	0 46	16 44	1 37	24 4	0 26	16 26	0 15	12 7	1 49	30 47	15 44	21 18	21 1	25 51			n.a.
W 9	18 25	21 14	0 1	21 19	0 45	22 44	0 54	10 44	0 45	16 47	1 37	24 4	0 26	16 26	0 15	12 7	1 49	30 48	15 44	21 18	21 1	25 52			n.a.
T 10	18 10	24 1	1n 1	21 31	0 28	22 33	0 56	10 28	0 45	16 49	1 38	24 4	0 26	16 26	0 15	12 7	1 49	30 48	15 44	21 18	21 0	25 53			n.a.
F 11	17 54	25 46	2 1	21 40	0 12	22 21	0 58	10 13	0 44	16 52	1 38	24 5	0 26	16 27	0 15	12 7	1 49	30 49	15 44	21 17	20 59	25 54			n.a.
S 12	17 37	26 21	2 56	21 46	0n 3	22 9	0 59	9 57	0 44	16 55	1 38	24 5	0 27	16 27	0 15	12 8	1 49	30 49	15 44	21 16	20 59	25 55			n.a.
S 13	17 21	25 43	3 43	21 50	0 18	21 56	1 1	9 42	0 43	16 57	1 38	24 5	0 27	16 27	0 15	12 8	1 49	30 49	15 44	21 15	20 58	25 56			n.a.
M14	17 4	23 51	4 21	21 51	0 31	21 42	1 3	9 26	0 43	17 0	1 38	24 5	0 27	16 27	0 15	12 8	1 48	30 50	15 44	21 13	20 57	25 57			n.a.
T 15	16 47	20 52	4 47	21 49	0 44	21 28	1 4	9 10	0 42	17 3	1 38	24 5	0 27	16 28	0 15	12 9	1 48	30 50	15 44	21 11	20 57	25 58			n.a.
W16	16 30	16 54	5 0	21 45	0 55	21 13	1 6	8 54	0 41	17 5	1 38	24 6	0 27	16 28	0 15	12 9	1 48	30 51	15 44	21 8	20 56	25 59			n.a.
T 17	16 12	12 9	4 59	21 37	1 5	20 57	1 8	8 39	0 41	17 8	1 38	24 6	0 27	16 28	0 15	12 9	1 48	30 51	15 44	21 6	20 55	26 0			n.a.
F 18	15 54	6 47	4 42	21 27	1 15	20 41	1 9	8 22	0 40	17 10	1 38	24 6	0 27	16 28	0 15	12 9	1 48	30 52	15 44	21 4	20 55	26 1			n.a.
S 19	15 36	1 3	4 11	21 13	1 23	20 24	1 10	8 6	0 40	17 13	1 38	24 6	0 27	16 28	0 15	12 10	1 48	30 52	15 44	21 2	20 54	26 2			n.a.
S 20	15 17	4s49	3 25	20 57	1 30	20 7	1 12	7 50	0 39	17 16	1 39	24 6	0 27	16 29	0 15	12 10	1 48	30 53	15 44	21 1	20 54	26 3			n.a.
M21	14 59	10 35	2 28	20 39	1 36	19 49	1 13	7 34	0 39	17 18	1 39	24 7	0 27	16 29	0 15	12 10	1 48	30 53	15 44	21 0	20 53	26 3			n.a.
T 22	14 40	15 56	1 21	20 17	1 41	19 30	1 14	7 18	0 38	17 21	1 39	24 7	0 27	16 29	0 15	12 11	1 48	30 53	15 44	21 0	20 52	26 4			n.a.
W23	14 20	20 34	0 8	19 54	1 45	19 11	1 15	7 1	0 37	17 23	1 39	24 7	0 27	16 29	0 15	12 11	1 48	30 54	15 44	21 0	20 52	26 5			n.a.
T 24	14 1	24 4	1s 6	19 27	1 48	18 52	1 17	6 45	0 37	17 26	1 39	24 7	0 27	16 29	0 15	12 11	1 48	30 54	15 44	21 0	20 51	26 6			n.a.
F 25	13 41	26 4	2 18	18 59	1 50	18 31	1 18	6 28	0 36	17 28	1 39	24 7	0 27	16 29	0 15	12 12	1 48	30 54	15 44	21 0	20 50	26 7			n.a.
S 26	13 21	26 19	3 21	18 29	1 51	18 11	1 19	6 12	0 36	17 31	1 39	24 7	0 27	16 29	0 15	12 12	1 48	30 55	15 44	20 59	20 50	26 8			n.a.
S 27	13 1	24 43	4 11	17 57	1 52	17 49	1 20	5 55	0 35	17 33	1 39	24 7	0 27	16 29	0 15	12 13	1 48	30 55	15 44	20 57	20 49	26 8			n.a.
M28	12 41	21 27	4 45	17 23	1 52	17 27	1 20	5 38	0 34	17 35	1 39	24 8	0 27	16 29	0 15	12 13	1 48	30 56	15 44	20 55	20 48	26 9			n.a.
T 29	12 20	16 53	5 0	16 48	1 51	17 5	1 21	5 21	0 34	17 38	1 39	24 8	0 27	16 29	0 15	12 13	1 48	30 56	15 44	20 53	20 48	26 10			n.a.
W30	11 59	11 27	4 55	16 12	1 50	16 42	1 22	5 5	0 33	17 40	1 39	24 8	0 28	16 29	0 15	12 14	1 47	30 56	15 44	20 51	20 47	26 11			n.a.
T 31	11n38	5s33	4s33	15n34	1n48	16n19	1n23	4n48	0n33	17s42	1s39	24s 8	0s28	16n29	0s15	12s14	1n47	30s57	15s44	20n48	20n46	26n12			n.a.

Julian Day Number = 1480570.5, Delta T = 05h23m05s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'50, Lahiri = -13°03'50 Julian Calendar 1 Aug. 660 BCE == Greg. Calendar 25 July 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

SEPTEMBER 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 11 58	0♍58'07	10♈ 5	25♌20	21♌16	19♍59	16°R17	5°R10	15°R32	6♏40	16°R42	1°R37	1♊34	29♊43	n.a.	F 1
S 2	22 15 55	1°57'24	23°10	27° 7	22°31	20°40	16♒ 9	5♉ 9	15♉31	6°41	16♒40	1♊31	1°30	29°50	n.a.	S 2
S 3	22 19 51	2°56'44	5♉51	28°54	23°46	21°21	16° 2	5° 7	15°31	6°43	16°39	1°27	1°27	29°57	n.a.	S 3
M 4	22 23 48	3°56'06	18°12	0♍41	25° 1	22° 3	15°55	5° 6	15°31	6°44	16°38	1°25	1°24	0♋ 3	n.a.	M 4
T 5	22 27 44	4°55'30	0♊16	2°26	26°17	22°44	15°48	5° 5	15°30	6°45	16°37	1°24	1°21	0°10	n.a.	T 5
W 6	22 31 41	5°54'57	12°10	4°12	27°32	23°26	15°41	5° 4	15°30	6°46	16°36	1°24	1°18	0°17	n.a.	W 6
T 7	22 35 37	6°54'27	23°58	5°56	28°47	24° 7	15°34	5° 3	15°30	6°48	16°35	1°23	1°15	0°23	n.a.	T 7
F 8	22 39 34	7°53'59	5♋47	7°40	0♍ 2	24°49	15°27	5° 2	15°29	6°49	16°34	1°21	1°11	0°30	n.a.	F 8
S 9	22 43 30	8°53'33	17°41	9°23	1°17	25°30	15°20	5° 1	15°29	6°50	16°32	1°15	1° 8	0°37	n.a.	S 9
S 10	22 47 27	9°53'10	29°44	11° 5	2°32	26°12	15°13	5° 1	15°28	6°52	16°31	1° 7	1° 5	0°43	n.a.	S 10
M11	22 51 24	10°52'49	12♌ 0	12°47	3°48	26°54	15° 7	5° 0	15°27	6°53	16°30	0°57	1° 2	0°50	n.a.	M11
T 12	22 55 20	11°52'30	24°30	14°28	5° 3	27°36	15° 1	4°59	15°27	6°55	16°29	0°44	0°59	0°57	n.a.	T 12
W13	22 59 17	12°52'13	7♍15	16° 8	6°18	28°18	14°54	4°59	15°26	6°56	16°28	0°31	0°55	1° 3	n.a.	W13
T 14	23 3 13	13°51'59	20°16	17°48	7°34	29° 0	14°48	4°59	15°25	6°58	16°27	0°18	0°52	1°10	n.a.	T 14
F 15	23 7 10	14°51'46	3♎29	19°27	8°49	29°42	14°42	4°59	15°24	6°59	16°26	0° 7	0°49	1°17	n.a.	F 15
S 16	23 11 6	15°51'36	16°55	21° 5	10° 4	0♎24	14°37	4°D59	15°23	7° 1	16°25	29♉58	0°46	1°23	n.a.	S 16
S 17	23 15 3	16°51'27	0♏30	22°43	11°20	1° 6	14°31	4°59	15°22	7° 2	16°24	29°52	0°43	1°30	n.a.	S 17
M18	23 18 59	17°51'21	14°13	24°20	12°35	1°48	14°25	4°59	15°21	7° 4	16°23	29°49	0°40	1°37	n.a.	M18
T 19	23 22 56	18°51'16	28° 4	25°56	13°50	2°30	14°20	4°59	15°20	7° 6	16°22	29°D48	0°36	1°43	n.a.	T 19
W20	23 26 52	19°51'13	12♐ 2	27°32	15° 6	3°13	14°15	4°59	15°19	7° 7	16°21	29°48	0°33	1°50	n.a.	W20
T 21	23 30 49	20°51'12	26° 7	29° 8	16°21	3°55	14°10	5° 0	15°18	7° 9	16°20	29°R48	0°30	1°57	n.a.	T 21
F 22	23 34 46	21°51'12	10♑17	0♎42	17°36	4°37	14° 5	5° 0	15°17	7°11	16°19	29°47	0°27	2° 3	n.a.	F 22
S 23	23 38 42	22°51'15	24°32	2°17	18°52	5°20	14° 1	5° 1	15°16	7°12	16°18	29°43	0°24	2°10	n.a.	S 23
S 24	23 42 39	23°51'19	8♒48	3°51	20° 7	6° 2	13°56	5° 2	15°14	7°14	16°17	29°37	0°21	2°17	n.a.	S 24
M25	23 46 35	24°51'24	23° 2	5°24	21°23	6°45	13°52	5° 3	15°13	7°16	16°16	29°28	0°17	2°23	n.a.	M25
T 26	23 50 32	25°51'32	7♓ 9	6°57	22°38	7°27	13°48	5° 4	15°12	7°18	16°15	29°18	0°14	2°30	n.a.	T 26
W27	23 54 28	26°51'41	21° 4	8°29	23°54	8°10	13°44	5° 5	15°10	7°20	16°14	29° 7	0°11	2°37	n.a.	W27
T 28	23 58 25	27°51'52	4♈43	10° 1	25° 9	8°53	13°40	5° 6	15° 9	7°21	16°13	28°57	0° 8	2°43	n.a.	T 28
F 29	0 2 21	28°52'05	18° 3	11°32	26°24	9°36	13°36	5° 7	15° 7	7°23	16°13	28°49	0° 5	2°50	n.a.	F 29
S 30	0 6 18	29♍52'20	1♉ 1	13♎ 3	27♍40	10♎18	13♒33	5♉ 8	15♉ 6	7♏25	16♒12	28♉43	0♊ 1	2♋57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n17	0n26	3s56	14n55	1n46	15n55	1n23	4n31	0n32	17s45	1s39	24s 8	0s28	16n29	0s15	12s15	1n47	30s57	15s44	20n47	20n46	26n13		n.a.
S 2	10 56	6 14	3 7	14 15	1 43	15 31	1 24	4 14	0 31	17 47	1 39	24 8	0 28	16 29	0 15	12 15	1 47	30 57	15 44	20 45	20 45	26 13		n.a.
S 3	10 34	11 36	2 11	13 35	1 40	15 6	1 24	3 57	0 31	17 49	1 39	24 8	0 28	16 29	0 15	12 16	1 47	30 58	15 44	20 44	20 44	26 14		n.a.
M 4	10 12	16 23	1 9	12 53	1 36	14 41	1 25	3 40	0 30	17 51	1 39	24 8	0 28	16 29	0 15	12 16	1 47	30 58	15 44	20 44	20 44	26 15		n.a.
T 5	9 50	20 24	0 6	12 11	1 32	14 16	1 25	3 23	0 30	17 53	1 38	24 8	0 28	16 29	0 15	12 16	1 47	30 58	15 44	20 44	20 43	26 16		n.a.
W 6	9 28	23 30	0n57	11 28	1 28	13 50	1 25	3 5	0 29	17 55	1 38	24 8	0 28	16 29	0 15	12 17	1 47	30 58	15 43	20 44	20 43	26 16		n.a.
T 7	9 6	25 35	1 56	10 45	1 23	13 24	1 25	2 48	0 28	17 58	1 38	24 9	0 28	16 28	0 15	12 17	1 47	30 59	15 43	20 44	20 42	26 17		n.a.
F 8	8 43	26 30	2 51	10 1	1 19	12 57	1 26	2 31	0 28	18 0	1 38	24 9	0 28	16 28	0 15	12 18	1 47	30 59	15 43	20 43	20 41	26 18		n.a.
S 9	8 21	26 12	3 39	9 18	1 13	12 30	1 26	2 14	0 27	18 1	1 38	24 9	0 28	16 28	0 15	12 18	1 47	30 59	15 43	20 42	20 41	26 19		n.a.
S 10	7 58	24 41	4 17	8 33	1 8	12 3	1 26	1 56	0 27	18 3	1 38	24 9	0 28	16 28	0 15	12 19	1 47	30 59	15 43	20 40	20 40	26 19		n.a.
M11	7 35	21 59	4 45	7 49	1 2	11 35	1 26	1 39	0 26	18 5	1 38	24 9	0 28	16 28	0 15	12 20	1 47	31 0	15 43	20 38	20 39	26 20		n.a.
T 12	7 12	18 13	4 59	7 4	0 57	11 7	1 26	1 21	0 25	18 7	1 38	24 9	0 28	16 28	0 15	12 20	1 47	31 0	15 43	20 36	20 39	26 21		n.a.
W13	6 49	13 34	4 58	6 19	0 51	10 39	1 25	1 4	0 25	18 9	1 38	24 9	0 28	16 27	0 15	12 21	1 47	31 0	15 43	20 33	20 38	26 22		n.a.
T 14	6 26	8 14	4 43	5 34	0 45	10 10	1 25	0 46	0 24	18 11	1 38	24 9	0 28	16 27	0 15	12 21	1 47	31 0	15 42	20 30	20 37	26 22		n.a.
F 15	6 3	2 26	4 12	4 49	0 38	9 41	1 25	0 29	0 24	18 12	1 38	24 9	0 28	16 27	0 15	12 22	1 47	31 1	15 42	20 28	20 37	26 23		n.a.
S 16	5 39	3s34	3 26	4 4	0 32	9 12	1 24	0 11	0 23	18 14	1 37	24 9	0 28	16 27	0 15	12 22	1 47	31 1	15 42	20 26	20 36	26 24		n.a.
S 17	5 16	9 29	2 29	3 19	0 26	8 43	1 24	0s 6	0 22	18 15	1 37	24 9	0 28	16 26	0 15	12 23	1 46	31 1	15 42	20 24	20 35	26 24		n.a.
M18	4 52	15 2	1 22	2 34	0 19	8 13	1 23	0 24	0 22	18 17	1 37	24 9	0 28	16 26	0 15	12 23	1 46	31 1	15 42	20 24	20 35	26 25		n.a.
T 19	4 28	19 52	0 9	1 50	0 13	7 43	1 23	0 41	0 21	18 18	1 37	24 9	0 28	16 26	0 15	12 24	1 46	31 1	15 42	20 23	20 34	26 26		n.a.
W20	4 4	23 37	1s 5	1 5	0 6	7 13	1 22	0 59	0 20	18 20	1 37	24 9	0 28	16 25	0 15	12 25	1 46	31 1	15 41	20 24	20 33	26 26		n.a.
T 21	3 40	25 58	2 15	0 20	0s 1	6 43	1 22	1 17	0 20	18 21	1 37	24 9	0 28	16 25	0 15	12 25	1 46	31 2	15 41	20 24	20 33	26 27		n.a.
F 22	3 17	26 39	3 18	0s24	0 7	6 12	1 21	1 34	0 19	18 22	1 36	24 9	0 29	16 25	0 15	12 26	1 46	31 2	15 41	20 23	20 32	26 28		n.a.
S 23	2 52	25 35	4 8	1 8	0 14	5 41	1 20	1 52	0 19	18 23	1 36	24 9	0 29	16 24	0 15	12 26	1 46	31 2	15 41	20 22	20 31	26 28		n.a.
S 24	2 28	22 52	4 44	1 52	0 21	5 11	1 19	2 9	0 18	18 25	1 36	24 9	0 29	16 24	0 15	12 27	1 46	31 2	15 41	20 21	20 31	26 29		n.a.
M25	2 4	18 46	5 1	2 36	0 28	4 40	1 18	2 27	0 17	18 26	1 36	24 9	0 29	16 23	0 15	12 28	1 46	31 2	15 40	20 19	20 30	26 30		n.a.
T 26	1 40	13 38	5 0	3 19	0 34	4 8	1 17	2 45	0 17	18 27	1 36	24 9	0 29	16 23	0 15	12 28	1 46	31 2	15 40	20 17	20 29	26 30		n.a.
W27	1 16	7 53	4 41	4 2	0 41	3 37	1 16	3 2	0 16	18 28	1 36	24 9	0 29	16 23	0 15	12 29	1 46	31 2	15 40	20 15	20 28	26 31		n.a.
T 28	0 52	1 52	4 7	4 45	0 47	3 6	1 15	3 20	0 15	18 29	1 35	24 9	0 29	16 22	0 15	12 30	1 46	31 2	15 40	20 12	20 28	26 31		n.a.
F 29	0 27	4n 7	3 19	5 27	0 54	2 34	1 14	3 38	0 15	18 29	1 35	24 9	0 29	16 22	0 15	12 30	1 46	31 2	15 40	20 11	20 27	26 32		n.a.
S 30	0n 3	9n46	2s22	6s 9	1s 0	2n 3	1n13	3s55	0n14	18s30	1s35	24s 9	0s29	16n21	0s15	12s31	1n46	31s 3	15s39	20n 9	20n26	26n33		n.a.

Julian Day Number = 1480601.5, Delta T = 05h23m04s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'46, Lahiri = -13°03'46 Julian Calendar 1 Sept. 660 BCE == Greg. Calendar 25 Aug. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

OCTOBER 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 10 15	0♎52'37	13♉39	14♎33	28♍55	11♎ 1	13°R30	5♏10	15°R 4	7♏27	16°R11	28°R39	29♉58	3♋ 3	n.a.	S 1
M 2	0 14 11	1°52'56	25°59	16° 3	0♎11	11°44	13♒27	5°11	15♉ 2	7°29	16♒10	28°D38	29°55	3°10	n.a.	M 2
T 3	0 18 8	2°53'17	8♊ 4	17°33	1°26	12°27	13°24	5°13	15° 1	7°31	16° 9	28♉38	29°52	3°17	n.a.	T 3
W 4	0 22 4	3°53'41	19°59	19° 2	2°42	13°10	13°22	5°15	14°59	7°33	16° 9	28°39	29°49	3°23	n.a.	W 4
T 5	0 26 1	4°54'06	1♋48	20°30	3°57	13°53	13°19	5°17	14°57	7°35	16° 8	28°R40	29°46	3°30	n.a.	T 5
F 6	0 29 57	5°54'34	13°38	21°58	5°13	14°37	13°17	5°19	14°55	7°37	16° 7	28°40	29°42	3°37	n.a.	F 6
S 7	0 33 54	6°55'03	25°33	23°26	6°28	15°20	13°15	5°21	14°54	7°39	16° 6	28°38	29°39	3°43	n.a.	S 7
S 8	0 37 50	7°55'35	7♌39	24°53	7°44	16° 3	13°13	5°23	14°52	7°41	16° 6	28°33	29°36	3°50	n.a.	S 8
M 9	0 41 47	8°56'08	19°59	26°19	9° 0	16°47	13°12	5°25	14°50	7°43	16° 5	28°27	29°33	3°57	n.a.	M 9
T 10	0 45 44	9°56'43	2♍36	27°45	10°15	17°30	13°10	5°28	14°48	7°45	16° 4	28°19	29°30	4° 3	n.a.	T 10
W11	0 49 40	10°57'20	15°34	29°10	11°31	18°13	13° 9	5°30	14°46	7°47	16° 4	28°11	29°27	4°10	n.a.	W11
T 12	0 53 37	11°57'59	28°51	0♏35	12°46	18°57	13° 8	5°33	14°44	7°49	16° 3	28° 2	29°23	4°17	n.a.	T 12
F 13	0 57 33	12°58'39	12♎26	1°58	14° 2	19°40	13° 8	5°35	14°42	7°51	16° 3	27°54	29°20	4°23	n.a.	F 13
S 14	1 1 30	13°59'21	26°16	3°21	15°17	20°24	13° 7	5°38	14°40	7°53	16° 2	27°49	29°17	4°30	n.a.	S 14
S 15	1 5 26	15° 0'05	10♏18	4°43	16°33	21° 8	13° 7	5°41	14°38	7°55	16° 1	27°45	29°14	4°37	n.a.	S 15
M16	1 9 23	16° 0'50	24°28	6° 3	17°48	21°51	13°D 7	5°44	14°36	7°57	16° 1	27°D44	29°11	4°43	n.a.	M16
T 17	1 13 19	17° 1'36	8♐41	7°22	19° 4	22°35	13° 7	5°47	14°33	7°59	16° 0	27°44	29° 7	4°50	n.a.	T 17
W18	1 17 16	18° 2'24	22°55	8°40	20°19	23°19	13° 7	5°50	14°31	8° 2	16° 0	27°46	29° 4	4°57	n.a.	W18
T 19	1 21 12	19° 3'13	7♑ 7	9°56	21°35	24° 3	13° 7	5°53	14°29	8° 4	16° 0	27°47	29° 1	5° 3	n.a.	T 19
F 20	1 25 9	20° 4'02	21°16	11°11	22°50	24°47	13° 8	5°57	14°27	8° 6	15°59	27°R47	28°58	5°10	n.a.	F 20
S 21	1 29 6	21° 4'53	5♒19	12°23	24° 6	25°31	13° 9	6° 0	14°24	8° 8	15°59	27°47	28°55	5°17	n.a.	S 21
S 22	1 33 2	22° 5'45	19°16	13°33	25°22	26°15	13°10	6° 4	14°22	8°10	15°58	27°44	28°52	5°23	n.a.	S 22
M23	1 36 59	23° 6'38	3♓ 5	14°40	26°37	26°59	13°12	6° 7	14°20	8°13	15°58	27°40	28°48	5°30	n.a.	M23
T 24	1 40 55	24° 7'32	16°44	15°43	27°53	27°43	13°13	6°11	14°17	8°15	15°58	27°34	28°45	5°37	n.a.	T 24
W25	1 44 52	25° 8'27	0♈12	16°44	29° 8	28°27	13°15	6°15	14°15	8°17	15°57	27°29	28°42	5°43	n.a.	W25
T 26	1 48 48	26° 9'22	13°26	17°40	0♏24	29°12	13°17	6°18	14°13	8°19	15°57	27°24	28°39	5°50	n.a.	T 26
F 27	1 52 45	27°10'19	26°25	18°32	1°39	29°56	13°19	6°22	14°10	8°21	15°57	27°19	28°36	5°57	n.a.	F 27
S 28	1 56 41	28°11'18	9♉ 8	19°18	2°55	0♏40	13°21	6°26	14° 8	8°24	15°56	27°16	28°32	6° 3	n.a.	S 28
S 29	2 0 38	29°12'17	21°37	19°58	4°10	1°25	13°24	6°30	14° 5	8°26	15°56	27°D15	28°29	6°10	n.a.	S 29
M30	2 4 35	0♏13'18	3♊51	20°32	5°26	2° 9	13°27	6°35	14° 3	8°28	15°56	27°15	28°26	6°17	n.a.	M30
T 31	2 8 31	1♏14'20	15♊54	20♏58	6♏41	2♏53	13♒30	6♏39	14♉ 1	8♏30	15♒56	27♉16	28♉23	6♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	0s21	14n54	1s19	6s50	1s 7	1n31	1n11	4s13	0n13	18s31	1s35	24s 9	0s29	16n21	0s15	12s32	1n46	31s 3	15s39	20n 8	20n26	26n33			n.a.
M 2	0 46	19 18	0 14	7 31	1 13	1 0	1 10	4 30	0 13	18 32	1 35	24 9	0 29	16 20	0 15	12 32	1 46	31 3	15 39	20 8	20 25	26 34			n.a.
T 3	1 10	22 47	0n50	8 12	1 19	0 28	1 9	4 48	0 12	18 32	1 34	24 9	0 29	16 20	0 15	12 33	1 46	31 3	15 39	20 8	20 24	26 34			n.a.
W 4	1 34	25 15	1 52	8 52	1 25	0s 4	1 7	5 6	0 12	18 33	1 34	24 9	0 29	16 19	0 15	12 34	1 46	31 3	15 38	20 8	20 24	26 35			n.a.
T 5	1 58	26 34	2 49	9 31	1 31	0 35	1 6	5 23	0 11	18 33	1 34	24 9	0 29	16 19	0 15	12 34	1 46	31 3	15 38	20 9	20 23	26 35			n.a.
F 6	2 23	26 41	3 38	10 10	1 37	1 7	1 4	5 41	0 10	18 34	1 34	24 9	0 29	16 18	0 15	12 35	1 46	31 3	15 38	20 9	20 22	26 36			n.a.
S 7	2 47	25 33	4 18	10 49	1 43	1 39	1 3	5 58	0 10	18 34	1 34	24 9	0 29	16 18	0 15	12 36	1 46	31 3	15 38	20 8	20 22	26 37			n.a.
S 8	3 11	23 14	4 47	11 26	1 48	2 11	1 1	6 16	0 9	18 34	1 33	24 9	0 29	16 17	0 15	12 36	1 46	31 3	15 37	20 7	20 21	26 37			n.a.
M 9	3 35	19 49	5 4	12 3	1 53	2 42	0 59	6 33	0 8	18 35	1 33	24 9	0 29	16 17	0 15	12 37	1 46	31 3	15 37	20 6	20 20	26 38			n.a.
T 10	4 0	15 26	5 6	12 39	1 58	3 14	0 58	6 51	0 8	18 35	1 33	24 9	0 29	16 16	0 15	12 38	1 46	31 3	15 37	20 4	20 20	26 38			n.a.
W11	4 24	10 16	4 54	13 15	2 3	3 46	0 56	7 8	0 7	18 35	1 33	24 9	0 29	16 15	0 15	12 38	1 45	31 2	15 36	20 2	20 19	26 39			n.a.
T 12	4 48	4 30	4 25	13 49	2 8	4 17	0 54	7 25	0 6	18 35	1 32	24 9	0 29	16 15	0 15	12 39	1 45	31 2	15 36	20 0	20 18	26 39			n.a.
F 13	5 12	1s36	3 40	14 23	2 12	4 49	0 52	7 43	0 6	18 35	1 32	24 9	0 29	16 14	0 15	12 40	1 45	31 2	15 36	19 58	20 17	26 40			n.a.
S 14	5 36	7 46	2 42	14 56	2 16	5 20	0 50	8 0	0 5	18 35	1 32	24 9	0 29	16 14	0 15	12 40	1 45	31 2	15 36	19 57	20 17	26 40			n.a.
S 15	5 59	13 39	1 33	15 27	2 19	5 51	0 48	8 17	0 5	18 35	1 32	24 8	0 29	16 13	0 15	12 41	1 45	31 2	15 35	19 56	20 16	26 41			n.a.
M16	6 23	18 52	0 18	15 58	2 23	6 22	0 46	8 34	0 4	18 35	1 31	24 8	0 29	16 12	0 15	12 42	1 45	31 2	15 35	19 56	20 15	26 41			n.a.
T 17	6 47	23 2	0s59	16 27	2 26	6 53	0 44	8 52	0 3	18 34	1 31	24 8	0 29	16 12	0 15	12 43	1 45	31 2	15 35	19 56	20 15	26 42			n.a.
W18	7 10	25 47	2 13	16 55	2 28	7 24	0 42	9 9	0 3	18 34	1 31	24 8	0 29	16 11	0 15	12 43	1 45	31 2	15 34	19 56	20 14	26 42			n.a.
T 19	7 34	26 52	3 18	17 22	2 30	7 54	0 40	9 26	0 2	18 34	1 31	24 8	0 29	16 10	0 15	12 44	1 45	31 2	15 34	19 57	20 13	26 42			n.a.
F 20	7 57	26 11	4 11	17 47	2 31	8 25	0 38	9 43	0 1	18 33	1 31	24 8	0 29	16 10	0 15	12 45	1 45	31 1	15 34	19 57	20 13	26 43			n.a.
S 21	8 20	23 51	4 48	18 11	2 32	8 55	0 36	9 59	0 1	18 33	1 30	24 8	0 30	16 9	0 15	12 46	1 45	31 1	15 34	19 56	20 12	26 43			n.a.
S 22	8 43	20 7	5 8	18 33	2 32	9 25	0 34	10 16	0s 0	18 32	1 30	24 8	0 30	16 8	0 15	12 46	1 45	31 1	15 33	19 56	20 11	26 44			n.a.
M23	9 6	15 19	5 10	18 53	2 32	9 55	0 32	10 33	0 1	18 32	1 30	24 7	0 30	16 8	0 15	12 47	1 45	31 1	15 33	19 55	20 10	26 44			n.a.
T 24	9 29	9 49	4 54	19 11	2 31	10 24	0 29	10 50	0 1	18 31	1 30	24 7	0 30	16 7	0 15	12 48	1 45	31 1	15 33	19 54	20 10	26 45			n.a.
W25	9 52	3 55	4 22	19 27	2 29	10 54	0 27	11 6	0 2	18 30	1 29	24 7	0 30	16 6	0 15	12 48	1 45	31 1	15 32	19 52	20 9	26 45			n.a.
T 26	10 14	2n 3	3 37	19 40	2 26	11 23	0 25	11 23	0 3	18 29	1 29	24 7	0 30	16 6	0 15	12 49	1 45	31 0	15 32	19 51	20 8	26 45			n.a.
F 27	10 37	7 50	2 41	19 51	2 22	11 52	0 23	11 39	0 3	18 28	1 29	24 7	0 30	16 5	0 15	12 50	1 45	31 0	15 32	19 50	20 8	26 46			n.a.
S 28	10 59	13 12	1 38	20 0	2 17	12 20	0 20	11 56	0 4	18 28	1 29	24 7	0 30	16 4	0 15	12 51	1 45	31 0	15 31	19 50	20 7	26 46			n.a.
S 29	11 21	17 56	0 31	20 5	2 11	12 48	0 18	12 12	0 5	18 27	1 28	24 7	0 30	16 3	0 15	12 51	1 45	31 0	15 31	19 49	20 6	26 47			n.a.
M30	11 42	21 49	0n36	20 7	2 4	13 16	0 16	12 28	0 5	18 25	1 28	24 6	0 30	16 3	0 15	12 52	1 45	30 59	15 31	19 49	20 5	26 47			n.a.
T 31	12s 4	24n41	1n41	20s 6	1s56	13s44	0n13	12s44	0s 6	18s24	1s28	24s 6	0s30	16n 2	0s15	12s53	1n45	30s59	15s30	19n50	20n 5	26n47			n.a.

Julian Day Number = 1480631.5, Delta T = 05h23m02s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'42, Lahiri = -13°03'42 Julian Calendar 1 Oct. 660 BCE == Greg. Calendar 24 Sept. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

NOVEMBER 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 12 28	2♏15'23	27♊48	21♏15	7♏57	3♏38	13♒33	6♉43	13°R58	8♏33	15°R56	27♉18	28♉20	6♋30	n.a.	W 1
T 2	2 16 24	3°16'27	9♋38	21°R24	9°12	4°23	13°36	6°48	13♉56	8°35	15♒56	27°20	28°17	6°37	n.a.	T 2
F 3	2 20 21	4°17'33	21°27	21°22	10°28	5° 7	13°40	6°52	13°53	8°37	15°56	27°21	28°13	6°43	n.a.	F 3
S 4	2 24 17	5°18'39	3♌22	21° 9	11°43	5°52	13°43	6°57	13°51	8°39	15°55	27°R22	28°10	6°50	n.a.	S 4
S 5	2 28 14	6°19'47	15°26	20°46	12°58	6°37	13°47	7° 1	13°48	8°42	15°55	27°22	28° 7	6°57	n.a.	S 5
M 6	2 32 11	7°20'56	27°45	20°11	14°14	7°21	13°51	7° 6	13°45	8°44	15°55	27°20	28° 4	7° 3	n.a.	M 6
T 7	2 36 7	8°22'06	10♍22	19°25	15°29	8° 6	13°56	7°11	13°43	8°46	15°D55	27°18	28° 1	7°10	n.a.	T 7
W 8	2 40 4	9°23'16	23°22	18°28	16°45	8°51	14° 0	7°16	13°40	8°48	15°55	27°16	27°58	7°17	n.a.	W 8
T 9	2 44 0	10°24'28	6♎45	17°21	18° 0	9°36	14° 5	7°21	13°38	8°51	15°55	27°13	27°54	7°23	n.a.	T 9
F 10	2 47 57	11°25'41	20°32	16° 7	19°16	10°21	14°10	7°26	13°35	8°53	15°56	27°11	27°51	7°30	n.a.	F 10
S 11	2 51 53	12°26'54	4♏40	14°48	20°31	11° 6	14°15	7°31	13°33	8°55	15°56	27° 9	27°48	7°37	n.a.	S 11
S 12	2 55 50	13°28'08	19° 6	13°25	21°47	11°51	14°20	7°36	13°30	8°57	15°56	27° 8	27°45	7°44	n.a.	S 12
M13	2 59 46	14°29'22	3♐44	12° 3	23° 2	12°36	14°25	7°41	13°28	9° 0	15°56	27°D 8	27°42	7°50	n.a.	M13
T 14	3 3 43	15°30'38	18°26	10°43	24°18	13°21	14°31	7°47	13°25	9° 2	15°56	27° 9	27°38	7°57	n.a.	T 14
W15	3 7 40	16°31'53	3♑ 7	9°29	25°33	14° 7	14°37	7°52	13°22	9° 4	15°56	27°10	27°35	8° 4	n.a.	W15
T 16	3 11 36	17°33'09	17°40	8°21	26°48	14°52	14°43	7°58	13°20	9° 7	15°56	27°10	27°32	8°10	n.a.	T 16
F 17	3 15 33	18°34'24	2♒ 2	7°23	28° 4	15°37	14°49	8° 3	13°17	9° 9	15°57	27°11	27°29	8°17	n.a.	F 17
S 18	3 19 29	19°35'40	16° 8	6°35	29°19	16°23	14°55	8° 9	13°15	9°11	15°57	27°R11	27°26	8°24	n.a.	S 18
S 19	3 23 26	20°36'56	29°59	5°57	0♐34	17° 8	15° 1	8°14	13°12	9°13	15°57	27°11	27°23	8°30	n.a.	S 19
M20	3 27 22	21°38'11	13♓34	5°31	1°50	17°53	15° 8	8°20	13°10	9°15	15°58	27°11	27°19	8°37	n.a.	M20
T 21	3 31 19	22°39'27	26°52	5°15	3° 5	18°39	15°15	8°26	13° 7	9°18	15°58	27°10	27°16	8°44	n.a.	T 21
W22	3 35 15	23°40'42	9♈56	5°D 9	4°21	19°24	15°22	8°32	13° 5	9°20	15°58	27°10	27°13	8°50	n.a.	W22
T 23	3 39 12	24°41'57	22°45	5°12	5°36	20°10	15°29	8°37	13° 2	9°22	15°59	27°10	27°10	8°57	n.a.	T 23
F 24	3 43 9	25°43'13	5♉22	5°25	6°51	20°55	15°36	8°43	13° 0	9°24	15°59	27° 9	27° 7	9° 4	n.a.	F 24
S 25	3 47 5	26°44'28	17°47	5°46	8° 6	21°41	15°44	8°49	12°57	9°26	16° 0	27° 9	27° 4	9°10	n.a.	S 25
S 26	3 51 2	27°45'44	0♊ 2	6°13	9°22	22°27	15°51	8°55	12°55	9°29	16° 0	27° 9	27° 0	9°17	n.a.	S 26
M27	3 54 58	28°46'59	12° 7	6°48	10°37	23°12	15°59	9° 2	12°52	9°31	16° 0	27° 9	26°57	9°24	n.a.	M27
T 28	3 58 55	29°48'15	24° 5	7°29	11°52	23°58	16° 7	9° 8	12°50	9°33	16° 1	27° 9	26°54	9°30	n.a.	T 28
W29	4 2 51	0♐49'30	5♋57	8°14	13° 8	24°44	16°15	9°14	12°48	9°35	16° 2	27° 9	26°51	9°37	n.a.	W29
T 30	4 6 48	1♐50'46	17♋47	9♏ 5	14♐23	25♏30	16♒23	9♉20	12♉45	9♏37	16♒ 2	27♉ 8	26♉48	9♋44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s26	26n26	2n40	20s 1	1s46	14s11	0n11	13s 0	0s 7	18s23	1s28	24s 6	0s30	16n 1	0s15	12s54	1n45	30s59	15s30	19n50	20n 4	26n48		n.a.
T 2	12 47	26 57	3 33	19 53	1 34	14 37	0 9	13 16	0 7	18 22	1 27	24 6	0 30	16 0	0 15	12 54	1 45	30 59	15 30	19 50	20 3	26 48		n.a.
F 3	13 8	26 15	4 16	19 40	1 21	15 4	0 6	13 32	0 8	18 21	1 27	24 6	0 30	16 0	0 15	12 55	1 45	30 58	15 29	19 51	20 3	26 48		n.a.
S 4	13 29	24 21	4 48	19 22	1 7	15 30	0 4	13 48	0 8	18 19	1 27	24 5	0 30	15 59	0 15	12 56	1 45	30 58	15 29	19 51	20 2	26 49		n.a.
S 5	13 49	21 20	5 9	19 1	0 51	15 56	0 2	14 3	0 9	18 18	1 27	24 5	0 30	15 58	0 15	12 57	1 45	30 58	15 29	19 51	20 1	26 49		n.a.
M 6	14 9	17 21	5 16	18 34	0 33	16 21	0s 1	14 19	0 10	18 17	1 26	24 5	0 30	15 57	0 15	12 57	1 45	30 58	15 28	19 50	20 0	26 49		n.a.
T 7	14 30	12 31	5 7	18 4	0 15	16 46	0 3	14 34	0 10	18 15	1 26	24 5	0 30	15 57	0 15	12 58	1 45	30 57	15 28	19 50	20 0	26 50		n.a.
W 8	14 49	7 0	4 44	17 29	0n 5	17 10	0 6	14 49	0 11	18 14	1 26	24 5	0 30	15 56	0 15	12 59	1 45	30 57	15 28	19 49	19 59	26 50		n.a.
T 9	15 9	1 0	4 4	16 51	0 25	17 34	0 8	15 5	0 12	18 12	1 26	24 4	0 30	15 55	0 15	13 0	1 45	30 57	15 27	19 49	19 58	26 50		n.a.
F 10	15 28	5s13	3 9	16 10	0 46	17 57	0 10	15 20	0 12	18 10	1 25	24 4	0 30	15 54	0 15	13 0	1 45	30 56	15 27	19 48	19 58	26 51		n.a.
S 11	15 47	11 22	2 1	15 27	1 6	18 20	0 13	15 35	0 13	18 9	1 25	24 4	0 30	15 54	0 15	13 1	1 45	30 56	15 27	19 48	19 57	26 51		n.a.
S 12	16 6	17 2	0 44	14 44	1 26	18 43	0 15	15 49	0 14	18 7	1 25	24 4	0 30	15 53	0 15	13 2	1 45	30 56	15 26	19 48	19 56	26 51		n.a.
M13	16 25	21 47	0s36	14 1	1 44	19 4	0 18	16 4	0 14	18 5	1 25	24 3	0 30	15 52	0 15	13 2	1 45	30 55	15 26	19 48	19 55	26 51		n.a.
T 14	16 43	25 11	1 55	13 21	2 0	19 26	0 20	16 18	0 15	18 3	1 24	24 3	0 30	15 51	0 15	13 3	1 45	30 55	15 26	19 48	19 55	26 52		n.a.
W15	17 1	26 51	3 7	12 43	2 15	19 47	0 22	16 33	0 16	18 1	1 24	24 3	0 30	15 51	0 15	13 4	1 45	30 54	15 25	19 48	19 54	26 52		n.a.
T 16	17 18	26 38	4 5	12 10	2 27	20 7	0 25	16 47	0 16	17 59	1 24	24 2	0 30	15 50	0 15	13 5	1 45	30 54	15 25	19 48	19 53	26 52		n.a.
F 17	17 36	24 39	4 47	11 41	2 38	20 27	0 27	17 1	0 17	17 57	1 24	24 2	0 31	15 49	0 15	13 5	1 45	30 54	15 25	19 48	19 52	26 52		n.a.
S 18	17 53	21 10	5 11	11 18	2 46	20 46	0 29	17 15	0 18	17 55	1 24	24 2	0 31	15 48	0 15	13 6	1 45	30 53	15 24	19 48	19 52	26 53		n.a.
S 19	18 9	16 34	5 17	11 0	2 51	21 4	0 32	17 29	0 18	17 53	1 23	24 1	0 31	15 47	0 15	13 7	1 45	30 53	15 24	19 48	19 51	26 53		n.a.
M20	18 26	11 13	5 4	10 48	2 55	21 22	0 34	17 42	0 19	17 51	1 23	24 1	0 31	15 47	0 15	13 7	1 45	30 52	15 24	19 48	19 50	26 53		n.a.
T 21	18 42	5 28	4 36	10 40	2 57	21 40	0 36	17 56	0 20	17 48	1 23	24 1	0 31	15 46	0 15	13 8	1 45	30 52	15 23	19 48	19 50	26 53		n.a.
W22	18 57	0n25	3 53	10 38	2 57	21 56	0 38	18 9	0 20	17 46	1 23	24 0	0 31	15 45	0 15	13 9	1 45	30 52	15 23	19 48	19 49	26 53		n.a.
T 23	19 13	6 12	3 0	10 41	2 56	22 12	0 41	18 22	0 21	17 44	1 22	24 0	0 31	15 44	0 15	13 10	1 45	30 51	15 23	19 48	19 48	26 54		n.a.
F 24	19 28	11 39	1 58	10 47	2 54	22 28	0 43	18 35	0 21	17 41	1 22	24 0	0 31	15 44	0 14	13 10	1 45	30 51	15 22	19 48	19 47	26 54		n.a.
S 25	19 42	16 33	0 52	10 57	2 50	22 42	0 45	18 48	0 22	17 39	1 22	23 59	0 31	15 43	0 14	13 11	1 45	30 50	15 22	19 48	19 47	26 54		n.a.
S 26	19 56	20 42	0n16	11 11	2 46	22 56	0 47	19 0	0 23	17 36	1 22	23 59	0 31	15 42	0 14	13 12	1 45	30 50	15 22	19 48	19 46	26 54		n.a.
M27	20 10	23 55	1 22	11 27	2 41	23 10	0 49	19 13	0 23	17 34	1 22	23 59	0 31	15 41	0 14	13 12	1 45	30 49	15 21	19 48	19 45	26 54		n.a.
T 28	20 24	26 2	2 24	11 46	2 35	23 22	0 51	19 25	0 24	17 31	1 21	23 58	0 31	15 41	0 14	13 13	1 45	30 49	15 21	19 48	19 44	26 55		n.a.
W29	20 37	26 57	3 19	12 7	2 29	23 34	0 53	19 37	0 25	17 29	1 21	23 58	0 31	15 40	0 14	13 14	1 45	30 48	15 21	19 48	19 44	26 55		n.a.
T 30	20s49	26n38	4n 6	12s29	2n22	23s46	0s55	19s49	0s25	17s26	1s21	23s58	0s31	15n39	0s14	13s14	1n45	30s48	15s20	19n48	19n43	26n55		n.a.

Julian Day Number = 1480662.5, Delta T = 05h23m01s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'38, Lahiri = -13°03'37 Julian Calendar 1 Nov. 660 BCE == Greg. Calendar 25 Oct. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 660 BCE
geocentric

DECEMBER 660 BCE (-659) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 10 45	2♐52'02	29♋37	10♏ 0	15♐38	26♏16	16♒31	9♑26	12°R43	9♏39	16♒ 3	27°R 7	26♉44	9♋50	n.a.	F 1
S 2	4 14 41	3°53'17	11♌31	10°58	16°53	27° 1	16°40	9°33	12♉40	9°42	16° 3	27♉ 7	26°41	9°57	n.a.	S 2
S 3	4 18 38	4°54'33	23°33	12° 0	18° 8	27°47	16°49	9°39	12°38	9°44	16° 4	27° 6	26°38	10° 4	n.a.	S 3
M 4	4 22 34	5°55'48	5♍48	13° 4	19°24	28°33	16°57	9°46	12°36	9°46	16° 5	27°D 6	26°35	10°10	n.a.	M 4
T 5	4 26 31	6°57'04	18°20	14°12	20°39	29°19	17° 6	9°52	12°34	9°48	16° 5	27° 6	26°32	10°17	n.a.	T 5
W 6	4 30 27	7°58'19	1♎13	15°21	21°54	0♐ 5	17°15	9°59	12°31	9°50	16° 6	27° 7	26°29	10°24	n.a.	W 6
T 7	4 34 24	8°59'34	14°32	16°33	23° 9	0°52	17°24	10° 5	12°29	9°52	16° 7	27° 8	26°25	10°31	n.a.	T 7
F 8	4 38 20	10° 0'49	28°16	17°47	24°24	1°38	17°34	10°12	12°27	9°54	16° 7	27° 9	26°22	10°37	n.a.	F 8
S 9	4 42 17	11° 2'04	12♏28	19° 2	25°40	2°24	17°43	10°18	12°25	9°56	16° 8	27°10	26°19	10°44	n.a.	S 9
S 10	4 46 14	12° 3'18	27° 4	20°19	26°55	3°10	17°53	10°25	12°23	9°58	16° 9	27°R10	26°16	10°51	n.a.	S 10
M11	4 50 10	13° 4'32	11♐58	21°37	28°10	3°56	18° 2	10°32	12°20	10° 0	16°10	27°10	26°13	10°57	n.a.	M11
T 12	4 54 7	14° 5'46	27° 3	22°57	29°25	4°42	18°12	10°39	12°18	10° 2	16°11	27° 8	26°10	11° 4	n.a.	T 12
W13	4 58 3	15° 6'59	12♑10	24°17	0♑40	5°29	18°22	10°45	12°16	10° 4	16°11	27° 6	26° 6	11°11	n.a.	W13
T 14	5 2 0	16° 8'11	27° 9	25°39	1°55	6°15	18°32	10°52	12°14	10° 6	16°12	27° 4	26° 3	11°17	n.a.	T 14
F 15	5 5 56	17° 9'22	11♒53	27° 2	3°10	7° 1	18°43	10°59	12°12	10° 8	16°13	27° 1	26° 0	11°24	n.a.	F 15
S 16	5 9 53	18°10'32	26°15	28°26	4°25	7°48	18°53	11° 6	12°10	10°10	16°14	26°59	25°57	11°31	n.a.	S 16
S 17	5 13 50	19°11'40	10♓13	29°51	5°40	8°34	19° 3	11°13	12° 8	10°11	16°15	26°58	25°54	11°37	n.a.	S 17
M18	5 17 46	20°12'48	23°47	1♐16	6°55	9°21	19°14	11°20	12° 7	10°13	16°16	26°D58	25°50	11°44	n.a.	M18
T 19	5 21 43	21°13'54	6♈57	2°43	8°10	10° 7	19°24	11°27	12° 5	10°15	16°17	26°58	25°47	11°51	n.a.	T 19
W20	5 25 39	22°14'59	19°48	4°10	9°25	10°54	19°35	11°34	12° 3	10°17	16°18	27° 0	25°44	11°57	n.a.	W20
T 21	5 29 36	23°16'03	2♉21	5°38	10°40	11°40	19°46	11°41	12° 1	10°19	16°19	27° 2	25°41	12° 4	n.a.	T 21
F 22	5 33 32	24°17'06	14°41	7° 6	11°55	12°27	19°57	11°48	11°59	10°21	16°20	27° 3	25°38	12°11	n.a.	F 22
S 23	5 37 29	25°18'08	26°51	8°36	13°10	13°13	20° 8	11°55	11°58	10°22	16°21	27°R 4	25°35	12°18	n.a.	S 23
S 24	5 41 25	26°19'09	8♊52	10° 6	14°25	14° 0	20°19	12° 2	11°56	10°24	16°22	27° 3	25°31	12°24	n.a.	S 24
M25	5 45 22	27°20'08	20°48	11°36	15°40	14°46	20°31	12° 9	11°55	10°26	16°23	27° 1	25°28	12°31	n.a.	M25
T 26	5 49 19	28°21'06	2♋41	13° 8	16°55	15°33	20°42	12°16	11°53	10°27	16°24	26°57	25°25	12°38	n.a.	T 26
W27	5 53 15	29°22'03	14°31	14°40	18° 9	16°20	20°53	12°24	11°52	10°29	16°25	26°51	25°22	12°44	n.a.	W27
T 28	5 57 12	0♑22'59	26°22	16°13	19°24	17° 6	21° 5	12°31	11°50	10°31	16°26	26°45	25°19	12°51	n.a.	T 28
F 29	6 1 8	1°23'54	8♌15	17°46	20°39	17°53	21°17	12°38	11°49	10°32	16°28	26°39	25°16	12°58	n.a.	F 29
S 30	6 5 5	2°24'48	20°12	19°20	21°54	18°40	21°28	12°45	11°47	10°34	16°29	26°32	25°12	13° 4	n.a.	S 30
S 31	6 9 1	3♑25'41	2♍16	20♐55	23♑ 8	19♐26	21♒40	12♑52	11♉46	10♏35	16♒30	26♉27	25♉ 9	13♋11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s 2	25n 6	4n42	12s53	2n15	23s56	0s57	20s 0	0s26	17s23	1s21	23s57	0s31	15n39	0s14	13s15	1n45	30s47	15s20	19n47	19n42	26n55		n.a.
S 2	21 13	22 27	5 6	13 19	2 7	24 6	0 59	20 12	0 27	17 20	1 21	23 57	0 31	15 38	0 14	13 16	1 45	30 47	15 20	19 47	19 41	26 55		n.a.
S 3	21 25	18 49	5 17	13 45	1 59	24 15	1 1	20 23	0 27	17 18	1 20	23 56	0 31	15 37	0 14	13 16	1 45	30 46	15 19	19 47	19 41	26 55		n.a.
M 4	21 36	14 21	5 14	14 13	1 51	24 23	1 3	20 34	0 28	17 15	1 20	23 56	0 31	15 36	0 14	13 17	1 45	30 46	15 19	19 47	19 40	26 55		n.a.
T 5	21 47	9 12	4 56	14 41	1 43	24 31	1 5	20 45	0 28	17 12	1 20	23 55	0 31	15 36	0 14	13 18	1 45	30 45	15 19	19 47	19 39	26 55		n.a.
W 6	21 57	3 31	4 23	15 9	1 35	24 38	1 6	20 56	0 29	17 9	1 20	23 55	0 31	15 35	0 14	13 18	1 45	30 45	15 19	19 47	19 38	26 55		n.a.
T 7	22 7	2s30	3 35	15 38	1 27	24 44	1 8	21 6	0 30	17 6	1 20	23 55	0 31	15 34	0 14	13 19	1 45	30 44	15 18	19 48	19 38	26 56		n.a.
F 8	22 16	8 37	2 33	16 7	1 19	24 49	1 10	21 16	0 30	17 3	1 19	23 54	0 31	15 34	0 14	13 19	1 45	30 44	15 18	19 48	19 37	26 56		n.a.
S 9	22 25	14 31	1 21	16 36	1 11	24 54	1 12	21 26	0 31	17 0	1 19	23 54	0 32	15 33	0 14	13 20	1 45	30 43	15 18	19 48	19 36	26 56		n.a.
S 10	22 33	19 46	0 1	17 4	1 2	24 57	1 13	21 36	0 32	16 56	1 19	23 53	0 32	15 32	0 14	13 21	1 45	30 43	15 17	19 48	19 35	26 56		n.a.
M11	22 41	23 53	1s21	17 33	0 54	25 0	1 15	21 46	0 32	16 53	1 19	23 53	0 32	15 32	0 14	13 21	1 45	30 42	15 17	19 48	19 35	26 56		n.a.
T 12	22 49	26 22	2 38	18 2	0 46	25 3	1 16	21 55	0 33	16 50	1 19	23 52	0 32	15 31	0 14	13 22	1 45	30 42	15 17	19 48	19 34	26 56		n.a.
W13	22 56	26 55	3 44	18 30	0 38	25 4	1 18	22 4	0 33	16 47	1 18	23 52	0 32	15 31	0 14	13 22	1 45	30 41	15 16	19 47	19 33	26 56		n.a.
T 14	23 3	25 29	4 34	18 58	0 30	25 5	1 19	22 13	0 34	16 43	1 18	23 51	0 32	15 30	0 14	13 23	1 45	30 41	15 16	19 47	19 32	26 56		n.a.
F 15	23 9	22 20	5 4	19 25	0 22	25 4	1 20	22 21	0 35	16 40	1 18	23 51	0 32	15 29	0 14	13 24	1 45	30 40	15 16	19 46	19 32	26 56		n.a.
S 16	23 14	17 52	5 15	19 52	0 14	25 4	1 22	22 30	0 35	16 36	1 18	23 50	0 32	15 29	0 14	13 24	1 45	30 39	15 16	19 46	19 31	26 56		n.a.
S 17	23 20	12 34	5 7	20 18	0 6	25 2	1 23	22 38	0 36	16 33	1 18	23 50	0 32	15 28	0 14	13 25	1 46	30 39	15 15	19 45	19 30	26 56		n.a.
M18	23 25	6 48	4 42	20 43	0s 1	24 59	1 24	22 46	0 37	16 29	1 18	23 49	0 32	15 28	0 14	13 25	1 46	30 38	15 15	19 45	19 29	26 56		n.a.
T 19	23 29	0 54	4 2	21 8	0 9	24 56	1 25	22 53	0 37	16 26	1 17	23 48	0 32	15 27	0 14	13 26	1 46	30 38	15 15	19 45	19 29	26 56		n.a.
W20	23 33	4n54	3 11	21 32	0 16	24 52	1 26	23 1	0 38	16 22	1 17	23 48	0 32	15 27	0 14	13 26	1 46	30 37	15 15	19 46	19 28	26 56		n.a.
T 21	23 36	10 24	2 12	21 55	0 23	24 47	1 27	23 8	0 38	16 19	1 17	23 47	0 32	15 26	0 14	13 27	1 46	30 37	15 14	19 46	19 27	26 56		n.a.
F 22	23 39	15 24	1 8	22 18	0 30	24 41	1 28	23 15	0 39	16 15	1 17	23 47	0 32	15 26	0 14	13 27	1 46	30 36	15 14	19 46	19 26	26 56		n.a.
S 23	23 41	19 42	0 1	22 39	0 37	24 35	1 29	23 21	0 39	16 11	1 17	23 46	0 32	15 25	0 14	13 28	1 46	30 35	15 14	19 47	19 25	26 56		n.a.
S 24	23 43	23 9	1n 4	22 59	0 43	24 28	1 30	23 28	0 40	16 8	1 17	23 46	0 32	15 25	0 14	13 29	1 46	30 35	15 13	19 46	19 25	26 56		n.a.
M25	23 45	25 33	2 6	23 19	0 50	24 20	1 30	23 34	0 41	16 4	1 17	23 45	0 32	15 24	0 14	13 29	1 46	30 34	15 13	19 46	19 24	26 56		n.a.
T 26	23 46	26 47	3 3	23 37	0 56	24 12	1 31	23 40	0 41	16 0	1 16	23 44	0 32	15 24	0 14	13 30	1 46	30 34	15 13	19 45	19 23	26 56		n.a.
W27	23 46	26 47	3 51	23 54	1 2	24 2	1 32	23 45	0 42	15 56	1 16	23 44	0 33	15 23	0 14	13 30	1 46	30 33	15 13	19 44	19 22	26 56		n.a.
T 28	23 47	25 34	4 29	24 10	1 8	23 52	1 32	23 51	0 42	15 52	1 16	23 43	0 33	15 23	0 14	13 30	1 46	30 32	15 13	19 42	19 22	26 56		n.a.
F 29	23 46	23 12	4 55	24 25	1 13	23 41	1 32	23 56	0 43	15 48	1 16	23 43	0 33	15 22	0 14	13 31	1 46	30 32	15 12	19 41	19 21	26 56		n.a.
S 30	23 45	19 50	5 9	24 39	1 18	23 30	1 33	24 0	0 44	15 44	1 16	23 42	0 33	15 22	0 14	13 31	1 46	30 31	15 12	19 39	19 20	26 55		n.a.
S 31	23s44	15n37	5n 9	24s51	1s23	23s17	1s33	24s 5	0s44	15s40	1s16	23s41	0s33	15n21	0s14	13s32	1n46	30s31	15s12	19n38	19n19	26n55		n.a.

Julian Day Number = 1480692.5, Delta T = 05h22m59s
Ecliptic obliquity = 23°46'33, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'34, Lahiri = -13°03'33 Julian Calendar 1 Dec. 660 BCE == Greg. Calendar 24 Nov. 660 BCE

The year -659 astronomical counting style corresponds to year 660 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

JANUARY 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 12 58	4♑26'32	14♍30	22♐31	24♑23	20♐13	21♒52	13♑ 0	11°R45	10♏37	16♒31	26°R23	25♉ 6	13♋18	n.a.	M 1
T 2	6 16 54	5°27'23	26°58	24° 7	25°38	21° 0	22° 4	13° 7	11♉43	10°38	16°32	26♉21	25° 3	13°24	n.a.	T 2
W 3	6 20 51	6°28'12	9♎45	25°45	26°52	21°47	22°16	13°14	11°42	10°40	16°34	26°D21	25° 0	13°31	n.a.	W 3
T 4	6 24 48	7°29'00	22°53	27°22	28° 7	22°34	22°28	13°21	11°41	10°41	16°35	26°21	24°56	13°38	n.a.	T 4
F 5	6 28 44	8°29'47	6♏27	29° 1	29°22	23°20	22°41	13°29	11°40	10°43	16°36	26°23	24°53	13°44	n.a.	F 5
S 6	6 32 41	9°30'33	20°29	0♑41	0♒36	24° 7	22°53	13°36	11°39	10°44	16°37	26°R24	24°50	13°51	n.a.	S 6
S 7	6 36 37	10°31'18	4♐58	2°21	1°51	24°54	23° 5	13°43	11°38	10°46	16°39	26°24	24°47	13°58	n.a.	S 7
M 8	6 40 34	11°32'01	19°50	4° 2	3° 5	25°41	23°18	13°51	11°37	10°47	16°40	26°22	24°44	14° 5	n.a.	M 8
T 9	6 44 30	12°32'43	5♑ 1	5°44	4°20	26°28	23°31	13°58	11°36	10°48	16°41	26°17	24°41	14°11	n.a.	T 9
W10	6 48 27	13°33'24	20°19	7°27	5°34	27°15	23°43	14° 5	11°35	10°49	16°43	26°11	24°37	14°18	n.a.	W10
T 11	6 52 24	14°34'03	5♒35	9°10	6°49	28° 2	23°56	14°12	11°34	10°51	16°44	26° 4	24°34	14°25	n.a.	T 11
F 12	6 56 20	15°34'40	20°37	10°55	8° 3	28°49	24° 9	14°20	11°34	10°52	16°45	25°56	24°31	14°31	n.a.	F 12
S 13	7 0 17	16°35'15	5♓17	12°40	9°18	29°36	24°22	14°27	11°33	10°53	16°47	25°49	24°28	14°38	n.a.	S 13
S 14	7 4 13	17°35'48	19°29	14°27	10°32	0♑23	24°34	14°34	11°32	10°54	16°48	25°43	24°25	14°45	n.a.	S 14
M15	7 8 10	18°36'19	3♈11	16°14	11°46	1°10	24°47	14°42	11°32	10°55	16°49	25°40	24°22	14°51	n.a.	M15
T 16	7 12 6	19°36'48	16°25	18° 2	13° 1	1°57	25° 1	14°49	11°31	10°57	16°51	25°D39	24°18	14°58	n.a.	T 16
W17	7 16 3	20°37'15	29°14	19°51	14°15	2°44	25°14	14°56	11°31	10°58	16°52	25°39	24°15	15° 5	n.a.	W17
T 18	7 19 59	21°37'40	11♉43	21°41	15°29	3°31	25°27	15° 3	11°30	10°59	16°54	25°40	24°12	15°12	n.a.	T 18
F 19	7 23 56	22°38'03	23°55	23°31	16°43	4°18	25°40	15°11	11°30	11° 0	16°55	25°R41	24° 9	15°18	n.a.	F 19
S 20	7 27 53	23°38'24	5♊56	25°23	17°57	5° 5	25°53	15°18	11°30	11° 1	16°57	25°40	24° 6	15°25	n.a.	S 20
S 21	7 31 49	24°38'43	17°50	27°15	19°12	5°52	26° 7	15°25	11°29	11° 2	16°58	25°37	24° 2	15°32	n.a.	S 21
M22	7 35 46	25°39'00	29°40	29° 8	20°26	6°39	26°20	15°32	11°29	11° 3	16°59	25°32	23°59	15°38	n.a.	M22
T 23	7 39 42	26°39'15	11♋29	1♒ 2	21°40	7°26	26°34	15°40	11°29	11° 3	17° 1	25°24	23°56	15°45	n.a.	T 23
W24	7 43 39	27°39'28	23°20	2°56	22°54	8°13	26°47	15°47	11°29	11° 4	17° 2	25°14	23°53	15°52	n.a.	W24
T 25	7 47 35	28°39'39	5♌14	4°50	24° 8	9° 0	27° 1	15°54	11°29	11° 5	17° 4	25° 2	23°50	15°58	n.a.	T 25
F 26	7 51 32	29°39'48	17°13	6°45	25°21	9°47	27°14	16° 1	11°D29	11° 6	17° 5	24°49	23°47	16° 5	n.a.	F 26
S 27	7 55 28	0♒39'55	29°17	8°40	26°35	10°34	27°28	16° 8	11°29	11° 7	17° 7	24°37	23°43	16°12	n.a.	S 27
S 28	7 59 25	1°40'00	11♍29	10°35	27°49	11°21	27°41	16°15	11°29	11° 7	17° 8	24°26	23°40	16°18	n.a.	S 28
M29	8 3 22	2°40'04	23°49	12°29	29° 3	12° 8	27°55	16°23	11°29	11° 8	17°10	24°17	23°37	16°25	n.a.	M29
T 30	8 7 18	3°40'05	6♎21	14°23	0♓17	12°55	28° 9	16°30	11°29	11° 9	17°11	24°11	23°34	16°32	n.a.	T 30
W31	8 11 15	4♒40'05	19♎ 8	16♒16	1♓30	13♑42	28♒23	16♑37	11♉29	11♏ 9	17♒13	24♉ 8	23♉31	16♋39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23 s42	10n43	4n55	25 s 2	1 s28	23 s 5	1 s33	24 s 9	0 s45	15 s36	1 s16	23 s41	0 s33	15n21	0 s14	13 s32	1n46	30 s30	15 s12	19n37	19n19	26n55			n.a.
T 2	23 40	5 18	4 28	25 11	1 33	22 51	1 34	24 13	0 45	15 32	1 15	23 40	0 33	15 21	0 14	13 33	1 46	30 30	15 11	19 37	19 18	26 55			n.a.
W 3	23 37	0 s27	3 46	25 19	1 37	22 37	1 34	24 17	0 46	15 28	1 15	23 39	0 33	15 20	0 14	13 33	1 46	30 29	15 11	19 36	19 17	26 55			n.a.
T 4	23 34	6 22	2 52	25 26	1 41	22 22	1 34	24 20	0 46	15 24	1 15	23 39	0 33	15 20	0 14	13 34	1 46	30 28	15 11	19 37	19 16	26 55			n.a.
F 5	23 30	12 12	1 46	25 31	1 44	22 6	1 34	24 23	0 47	15 20	1 15	23 38	0 33	15 20	0 14	13 34	1 46	30 28	15 11	19 37	19 15	26 55			n.a.
S 6	23 26	17 36	0 32	25 34	1 48	21 50	1 34	24 26	0 47	15 15	1 15	23 37	0 33	15 19	0 14	13 34	1 46	30 27	15 11	19 37	19 15	26 55			n.a.
S 7	23 21	22 11	0 s46	25 36	1 51	21 33	1 34	24 28	0 48	15 11	1 15	23 37	0 33	15 19	0 14	13 35	1 46	30 27	15 10	19 37	19 14	26 54			n.a.
M 8	23 16	25 26	2 3	25 36	1 53	21 15	1 33	24 31	0 48	15 7	1 15	23 36	0 33	15 19	0 14	13 35	1 46	30 26	15 10	19 37	19 13	26 54			n.a.
T 9	23 10	26 54	3 13	25 34	1 56	20 57	1 33	24 33	0 49	15 3	1 15	23 35	0 33	15 19	0 14	13 36	1 46	30 25	15 10	19 36	19 12	26 54			n.a.
W10	23 4	26 19	4 10	25 31	1 57	20 38	1 33	24 34	0 50	14 58	1 14	23 34	0 34	15 18	0 14	13 36	1 46	30 25	15 10	19 34	19 11	26 54			n.a.
T 11	22 58	23 47	4 48	25 26	1 59	20 19	1 32	24 36	0 50	14 54	1 14	23 34	0 34	15 18	0 14	13 36	1 47	30 24	15 10	19 32	19 11	26 54			n.a.
F 12	22 51	19 38	5 6	25 19	2 0	19 59	1 32	24 37	0 51	14 49	1 14	23 33	0 34	15 18	0 14	13 37	1 47	30 24	15 10	19 31	19 10	26 54			n.a.
S 13	22 44	14 23	5 3	25 10	2 1	19 39	1 31	24 38	0 51	14 45	1 14	23 32	0 34	15 18	0 14	13 37	1 47	30 23	15 9	19 29	19 9	26 53			n.a.
S 14	22 36	8 31	4 41	24 59	2 1	19 18	1 31	24 38	0 52	14 41	1 14	23 32	0 34	15 17	0 14	13 37	1 47	30 22	15 9	19 28	19 8	26 53			n.a.
M15	22 28	2 26	4 4	24 46	2 1	18 56	1 30	24 38	0 52	14 36	1 14	23 31	0 34	15 17	0 14	13 38	1 47	30 22	15 9	19 27	19 8	26 53			n.a.
T 16	22 19	3n33	3 15	24 32	2 0	18 34	1 29	24 38	0 53	14 31	1 14	23 30	0 34	15 17	0 14	13 38	1 47	30 21	15 9	19 26	19 7	26 53			n.a.
W17	22 10	9 13	2 17	24 15	1 59	18 11	1 28	24 38	0 53	14 27	1 14	23 29	0 34	15 17	0 14	13 38	1 47	30 21	15 9	19 27	19 6	26 53			n.a.
T 18	22 1	14 23	1 14	23 56	1 57	17 48	1 27	24 37	0 54	14 22	1 14	23 29	0 34	15 17	0 14	13 38	1 47	30 20	15 9	19 27	19 5	26 52			n.a.
F 19	21 51	18 52	0 9	23 35	1 55	17 25	1 26	24 36	0 54	14 18	1 14	23 28	0 34	15 17	0 13	13 39	1 47	30 19	15 9	19 27	19 4	26 52			n.a.
S 20	21 40	22 30	0n55	23 12	1 53	17 1	1 25	24 35	0 55	14 13	1 13	23 27	0 34	15 17	0 13	13 39	1 47	30 19	15 8	19 27	19 4	26 52			n.a.
S 21	21 30	25 8	1 56	22 47	1 49	16 36	1 24	24 34	0 55	14 8	1 13	23 26	0 34	15 17	0 13	13 39	1 47	30 18	15 8	19 26	19 3	26 52			n.a.
M22	21 19	26 38	2 51	22 20	1 45	16 11	1 23	24 32	0 56	14 4	1 13	23 26	0 34	15 17	0 13	13 39	1 47	30 18	15 8	19 25	19 2	26 51			n.a.
T 23	21 7	26 54	3 39	21 51	1 41	15 46	1 21	24 30	0 56	13 59	1 13	23 25	0 35	15 17	0 13	13 40	1 47	30 17	15 8	19 23	19 1	26 51			n.a.
W24	20 55	25 57	4 17	21 20	1 36	15 20	1 20	24 27	0 56	13 54	1 13	23 24	0 35	15 17	0 13	13 40	1 47	30 16	15 8	19 20	19 0	26 51			n.a.
T 25	20 43	23 49	4 45	20 47	1 30	14 54	1 19	24 25	0 57	13 49	1 13	23 23	0 35	15 17	0 13	13 40	1 47	30 16	15 8	19 18	19 0	26 50			n.a.
F 26	20 30	20 38	5 0	20 12	1 24	14 28	1 17	24 22	0 57	13 45	1 13	23 23	0 35	15 17	0 13	13 40	1 47	30 15	15 8	19 14	18 59	26 50			n.a.
S 27	20 17	16 34	5 1	19 35	1 17	14 1	1 16	24 19	0 58	13 40	1 13	23 22	0 35	15 17	0 13	13 40	1 47	30 15	15 8	19 11	18 58	26 50			n.a.
S 28	20 4	11 48	4 49	18 56	1 9	13 33	1 14	24 15	0 58	13 35	1 13	23 21	0 35	15 17	0 13	13 41	1 47	30 14	15 8	19 9	18 57	26 50			n.a.
M29	19 50	6 30	4 24	18 16	1 0	13 6	1 12	24 11	0 59	13 30	1 13	23 20	0 35	15 17	0 13	13 41	1 47	30 14	15 8	19 7	18 56	26 49			n.a.
T 30	19 36	0 52	3 45	17 34	0 51	12 38	1 11	24 7	0 59	13 25	1 13	23 19	0 35	15 17	0 13	13 41	1 47	30 13	15 8	19 5	18 56	26 49			n.a.
W31	19 s22	4 s55	2n54	16 s51	0 s42	12 s10	1 s 9	24 s 3	1 s 0	13 s20	1 s13	23 s19	0 s35	15n17	0 s13	13 s41	1n48	30 s13	15 s 8	19n 4	18n55	26n49			n.a.

Julian Day Number = 1480723.5, Delta T = 05h22m58s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'30, Lahiri = -13°03'29 Julian Calendar 1 Jan. 659 BCE == Greg. Calendar 25 Dec. 660 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

FEBRUARY 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 15 11	5♒40'03	2♏12	18♒ 7	2♓44	14♑29	28♒37	16♑44	11♉30	11♏10	17♒14	24°D 7	23♉28	16♋45	n.a.	T 1
F 2	8 19 8	6°40'00	15°37	19°57	3°57	15°16	28°50	16°51	11°30	11°11	17°16	24♉ 7	23°24	16°52	n.a.	F 2
S 3	8 23 4	7°39'54	29°26	21°45	5°11	16° 3	29° 4	16°58	11°31	11°11	17°17	24°R 7	23°21	16°59	n.a.	S 3
S 4	8 27 1	8°39'47	13♐40	23°30	6°24	16°50	29°18	17° 5	11°31	11°12	17°19	24° 6	23°18	17° 5	n.a.	S 4
M 5	8 30 57	9°39'39	28°18	25°12	7°38	17°37	29°32	17°12	11°32	11°12	17°20	24° 3	23°15	17°12	n.a.	M 5
T 6	8 34 54	10°39'28	13♑15	26°51	8°51	18°24	29°46	17°19	11°32	11°12	17°22	23°56	23°12	17°19	n.a.	T 6
W 7	8 38 51	11°39'15	28°25	28°26	10° 5	19°11	0♓ 0	17°26	11°33	11°13	17°24	23°47	23° 8	17°25	n.a.	W 7
T 8	8 42 47	12°39'01	13♒38	29°56	11°18	19°58	0°15	17°32	11°33	11°13	17°25	23°36	23° 5	17°32	n.a.	T 8
F 9	8 46 44	13°38'44	28°43	1♓21	12°31	20°45	0°29	17°39	11°34	11°14	17°27	23°25	23° 2	17°39	n.a.	F 9
S 10	8 50 40	14°38'25	13♓30	2°40	13°44	21°32	0°43	17°46	11°35	11°14	17°28	23°14	22°59	17°46	n.a.	S 10
S 11	8 54 37	15°38'03	27°50	3°53	14°58	22°19	0°57	17°53	11°36	11°14	17°30	23° 5	22°56	17°52	n.a.	S 11
M12	8 58 33	16°37'39	11♈42	5° 0	16°11	23° 6	1°11	18° 0	11°37	11°14	17°31	22°59	22°53	17°59	n.a.	M12
T 13	9 2 30	17°37'13	25° 3	6° 0	17°24	23°53	1°25	18° 6	11°38	11°15	17°33	22°56	22°49	18° 6	n.a.	T 13
W14	9 6 26	18°36'45	7♉57	6°53	18°37	24°40	1°40	18°13	11°39	11°15	17°34	22°54	22°46	18°12	n.a.	W14
T 15	9 10 23	19°36'14	20°28	7°39	19°50	25°27	1°54	18°20	11°40	11°15	17°36	22°54	22°43	18°19	n.a.	T 15
F 16	9 14 19	20°35'40	2♊41	8°17	21° 2	26°14	2° 8	18°26	11°41	11°15	17°38	22°54	22°40	18°26	n.a.	F 16
S 17	9 18 16	21°35'04	14°40	8°47	22°15	27° 1	2°22	18°33	11°42	11°15	17°39	22°52	22°37	18°32	n.a.	S 17
S 18	9 22 13	22°34'26	26°32	9° 9	23°28	27°48	2°37	18°39	11°43	11°R15	17°41	22°49	22°33	18°39	n.a.	S 18
M19	9 26 9	23°33'46	8♋21	9°24	24°41	28°34	2°51	18°46	11°44	11°15	17°42	22°43	22°30	18°46	n.a.	M19
T 20	9 30 6	24°33'03	20°11	9°R30	25°53	29°21	3° 5	18°52	11°46	11°15	17°44	22°34	22°27	18°53	n.a.	T 20
W21	9 34 2	25°32'17	2♌ 4	9°29	27° 6	0♒ 8	3°20	18°58	11°47	11°15	17°45	22°23	22°24	18°59	n.a.	W21
T 22	9 37 59	26°31'30	14° 4	9°21	28°18	0°55	3°34	19° 5	11°48	11°15	17°47	22° 9	22°21	19° 6	n.a.	T 22
F 23	9 41 55	27°30'40	26°11	9° 5	29°31	1°42	3°48	19°11	11°50	11°15	17°48	21°55	22°18	19°13	n.a.	F 23
S 24	9 45 52	28°29'48	8♍26	8°43	0♈43	2°28	4° 3	19°17	11°51	11°14	17°50	21°41	22°14	19°19	n.a.	S 24
S 25	9 49 48	29°28'54	20°51	8°15	1°55	3°15	4°17	19°23	11°53	11°14	17°51	21°29	22°11	19°26	n.a.	S 25
M26	9 53 45	0♓27'57	3♎26	7°41	3° 7	4° 2	4°32	19°30	11°54	11°14	17°53	21°19	22° 8	19°33	n.a.	M26
T 27	9 57 41	1°26'59	16°11	7° 3	4°19	4°49	4°46	19°36	11°56	11°14	17°54	21°12	22° 5	19°39	n.a.	T 27
W28	10 1 38	2♓25'59	29♎ 7	6♓21	5♈31	5♒35	5♓ 0	19♑42	11♉58	11♏13	17♒56	21♉ 8	22♉ 2	19♋46	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s 7	10s38	1n54	16s 6	0s31	11s41	1s 7	23s58	1s 0	13s15	1s13	23s18	0s35	15n17	0s13	13s41	1n48	30s12	15s 7	19n 4	18n54	26n48		n.a.
F 2	18 52	16 2	0 45	15 21	0 20	11 12	1 5	23 53	1 0	13 10	1 13	23 17	0 35	15 17	0 13	13 41	1 48	30 11	15 7	19 4	18 53	26 48		n.a.
S 3	18 37	20 46	0s28	14 35	0 9	10 43	1 3	23 48	1 1	13 5	1 13	23 16	0 36	15 17	0 13	13 41	1 48	30 11	15 7	19 4	18 52	26 48		n.a.
S 4	18 21	24 26	1 42	13 49	0n 3	10 14	1 1	23 43	1 1	13 0	1 12	23 15	0 36	15 17	0 13	13 42	1 48	30 10	15 7	19 4	18 52	26 47		n.a.
M 5	18 5	26 36	2 50	13 3	0 16	9 44	0 59	23 37	1 2	12 55	1 12	23 15	0 36	15 18	0 13	13 42	1 48	30 10	15 7	19 3	18 51	26 47		n.a.
T 6	17 49	26 54	3 49	12 17	0 29	9 14	0 57	23 31	1 2	12 50	1 12	23 14	0 36	15 18	0 13	13 42	1 48	30 9	15 7	19 1	18 50	26 46		n.a.
W 7	17 32	25 12	4 32	11 31	0 42	8 44	0 54	23 25	1 2	12 45	1 12	23 13	0 36	15 18	0 13	13 42	1 48	30 9	15 7	18 59	18 49	26 46		n.a.
T 8	17 15	21 41	4 56	10 47	0 56	8 14	0 52	23 18	1 3	12 40	1 12	23 12	0 36	15 18	0 13	13 42	1 48	30 8	15 7	18 56	18 48	26 46		n.a.
F 9	16 58	16 45	4 59	10 4	1 10	7 43	0 50	23 11	1 3	12 35	1 12	23 11	0 36	15 19	0 13	13 42	1 48	30 8	15 7	18 53	18 48	26 45		n.a.
S 10	16 40	10 54	4 42	9 22	1 24	7 12	0 47	23 4	1 4	12 30	1 12	23 11	0 36	15 19	0 13	13 42	1 48	30 7	15 7	18 51	18 47	26 45		n.a.
S 11	16 22	4 39	4 8	8 42	1 38	6 42	0 45	22 57	1 4	12 25	1 12	23 10	0 36	15 19	0 13	13 42	1 48	30 7	15 7	18 48	18 46	26 44		n.a.
M12	16 4	1n38	3 19	8 5	1 51	6 11	0 42	22 49	1 4	12 20	1 12	23 9	0 36	15 19	0 13	13 42	1 48	30 6	15 7	18 47	18 45	26 44		n.a.
T 13	15 46	7 38	2 22	7 30	2 5	5 39	0 40	22 42	1 5	12 14	1 12	23 8	0 37	15 20	0 13	13 42	1 48	30 6	15 7	18 46	18 44	26 44		n.a.
W14	15 28	13 8	1 18	6 59	2 18	5 8	0 37	22 33	1 5	12 9	1 12	23 7	0 37	15 20	0 13	13 42	1 48	30 5	15 7	18 45	18 43	26 43		n.a.
T 15	15 9	17 55	0 13	6 30	2 30	4 37	0 34	22 25	1 5	12 4	1 12	23 7	0 37	15 20	0 13	13 42	1 48	30 5	15 7	18 45	18 43	26 43		n.a.
F 16	14 50	21 50	0n52	6 5	2 42	4 5	0 32	22 17	1 6	11 59	1 12	23 6	0 37	15 21	0 13	13 42	1 48	30 4	15 7	18 45	18 42	26 42		n.a.
S 17	14 30	24 45	1 52	5 43	2 53	3 33	0 29	22 8	1 6	11 54	1 12	23 5	0 37	15 21	0 13	13 42	1 48	30 4	15 7	18 45	18 41	26 42		n.a.
S 18	14 11	26 31	2 48	5 25	3 4	3 2	0 26	21 59	1 6	11 48	1 12	23 4	0 37	15 22	0 13	13 42	1 49	30 3	15 7	18 44	18 40	26 41		n.a.
M19	13 51	27 5	3 35	5 11	3 13	2 30	0 23	21 49	1 7	11 43	1 12	23 3	0 37	15 22	0 13	13 42	1 49	30 3	15 7	18 43	18 39	26 41		n.a.
T 20	13 31	26 25	4 14	5 1	3 21	1 58	0 20	21 40	1 7	11 38	1 12	23 3	0 37	15 22	0 13	13 42	1 49	30 2	15 8	18 40	18 39	26 40		n.a.
W21	13 11	24 32	4 41	4 55	3 27	1 26	0 17	21 30	1 7	11 32	1 12	23 2	0 37	15 23	0 13	13 42	1 49	30 2	15 8	18 37	18 38	26 40		n.a.
T 22	12 51	21 34	4 57	4 54	3 33	0 54	0 15	21 20	1 7	11 27	1 12	23 1	0 38	15 23	0 13	13 42	1 49	30 1	15 8	18 34	18 37	26 39		n.a.
F 23	12 30	17 38	4 59	4 56	3 37	0 22	0 12	21 10	1 8	11 22	1 12	23 0	0 38	15 24	0 13	13 42	1 49	30 1	15 8	18 30	18 36	26 39		n.a.
S 24	12 10	12 56	4 47	5 2	3 39	0n 9	0 9	20 59	1 8	11 17	1 12	22 59	0 38	15 24	0 13	13 41	1 49	30 1	15 8	18 27	18 35	26 38		n.a.
S 25	11 49	7 40	4 22	5 12	3 39	0 41	0 5	20 49	1 8	11 11	1 12	22 59	0 38	15 25	0 13	13 41	1 49	30 0	15 8	18 23	18 34	26 38		n.a.
M26	11 28	2 2	3 43	5 26	3 38	1 13	0 2	20 38	1 9	11 6	1 12	22 58	0 38	15 25	0 13	13 41	1 49	30 0	15 8	18 21	18 34	26 37		n.a.
T 27	11 7	3s47	2 53	5 43	3 35	1 45	0n 1	20 27	1 9	11 1	1 12	22 57	0 38	15 26	0 13	13 41	1 49	29 59	15 8	18 19	18 33	26 37		n.a.
W28	10s45	9s33	1n53	6s 3	3n31	2n17	0n 4	20s15	1s 9	10s55	1s12	22s56	0s38	15n26	0s13	13s41	1n49	29s59	15s 8	18n18	18n32	26n36		n.a.

Julian Day Number = 1480754.5, Delta T = 05h22m56s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'25, Lahiri = -13°03'25 Julian Calendar 1 Feb. 659 BCE == Greg. Calendar 25 Jan. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

MARCH 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 5 35	3♓24'57	12♏18	5°R36	6♈43	6♒22	5♓15	19♑48	11♉59	11°R13	17♒57	21°R 7	21♉59	19♋53	n.a.	T 1
F 2	10 9 31	4°23'53	25°44	4♓49	7°55	7° 9	5°29	19°54	12° 1	11♏13	17°59	21°D 7	21°55	20° 0	n.a.	F 2
S 3	10 13 28	5°22'47	9♐27	4° 1	9° 7	7°55	5°44	19°59	12° 3	11°12	18° 0	21°R 7	21°52	20° 6	n.a.	S 3
S 4	10 17 24	6°21'40	23°30	3°13	10°19	8°42	5°58	20° 5	12° 5	11°12	18° 2	21♉ 6	21°49	20°13	n.a.	S 4
M 5	10 21 21	7°20'31	7♑51	2°25	11°30	9°28	6°12	20°11	12° 7	11°12	18° 3	21° 3	21°46	20°20	n.a.	M 5
T 6	10 25 17	8°19'19	22°28	1°40	12°42	10°15	6°27	20°17	12° 9	11°11	18° 5	20°57	21°43	20°26	n.a.	T 6
W 7	10 29 14	9°18'06	7♒17	0°57	13°54	11° 2	6°41	20°22	12°11	11°11	18° 6	20°49	21°39	20°33	n.a.	W 7
T 8	10 33 10	10°16'52	22°11	0°17	15° 5	11°48	6°56	20°28	12°13	11°10	18° 8	20°39	21°36	20°40	n.a.	T 8
F 9	10 37 7	11°15'35	7♓ 0	29♒41	16°16	12°35	7°10	20°33	12°15	11° 9	18° 9	20°29	21°33	20°46	n.a.	F 9
S 10	10 41 4	12°14'15	21°36	29° 9	17°28	13°21	7°24	20°39	12°17	11° 9	18°11	20°18	21°30	20°53	n.a.	S 10
S 11	10 45 0	13°12'54	5♈51	28°41	18°39	14° 7	7°39	20°44	12°19	11° 8	18°12	20°10	21°27	21° 0	n.a.	S 11
M12	10 48 57	14°11'31	19°42	28°19	19°50	14°54	7°53	20°50	12°21	11° 7	18°14	20° 4	21°24	21° 7	n.a.	M12
T 13	10 52 53	15°10'05	3♉ 5	28° 1	21° 1	15°40	8° 7	20°55	12°23	11° 7	18°15	20° 0	21°20	21°13	n.a.	T 13
W14	10 56 50	16° 8'37	16° 3	27°49	22°12	16°26	8°22	21° 0	12°26	11° 6	18°16	19°D59	21°17	21°20	n.a.	W14
T 15	11 0 46	17° 7'07	28°38	27°41	23°23	17°13	8°36	21° 5	12°28	11° 5	18°18	19°59	21°14	21°27	n.a.	T 15
F 16	11 4 43	18° 5'35	10♊54	27°D39	24°33	17°59	8°50	21°10	12°30	11° 4	18°19	20° 0	21°11	21°33	n.a.	F 16
S 17	11 8 39	19° 4'00	22°56	27°42	25°44	18°45	9° 5	21°15	12°33	11° 4	18°20	20°R 0	21° 8	21°40	n.a.	S 17
S 18	11 12 36	20° 2'23	4♋50	27°51	26°55	19°31	9°19	21°20	12°35	11° 3	18°22	19°59	21° 5	21°47	n.a.	S 18
M19	11 16 33	21° 0'44	16°40	28° 3	28° 5	20°18	9°33	21°25	12°38	11° 2	18°23	19°55	21° 1	21°54	n.a.	M19
T 20	11 20 29	21°59'03	28°32	28°21	29°15	21° 4	9°47	21°30	12°40	11° 1	18°25	19°50	20°58	22° 0	n.a.	T 20
W21	11 24 26	22°57'20	10♌29	28°43	0♉26	21°50	10° 2	21°35	12°43	11° 0	18°26	19°42	20°55	22° 7	n.a.	W21
T 22	11 28 22	23°55'34	22°34	29°10	1°36	22°36	10°16	21°39	12°45	10°59	18°27	19°33	20°52	22°14	n.a.	T 22
F 23	11 32 19	24°53'47	4♍50	29°41	2°46	23°22	10°30	21°44	12°48	10°58	18°28	19°23	20°49	22°20	n.a.	F 23
S 24	11 36 15	25°51'57	17°18	0♓16	3°56	24° 8	10°44	21°48	12°51	10°57	18°30	19°13	20°45	22°27	n.a.	S 24
S 25	11 40 12	26°50'06	29°59	0°55	5° 5	24°54	10°58	21°53	12°53	10°56	18°31	19° 4	20°42	22°34	n.a.	S 25
M26	11 44 8	27°48'12	12♎52	1°38	6°15	25°39	11°12	21°57	12°56	10°55	18°32	18°57	20°39	22°40	n.a.	M26
T 27	11 48 5	28°46'17	25°56	2°24	7°25	26°25	11°26	22° 1	12°59	10°54	18°34	18°53	20°36	22°47	n.a.	T 27
W28	11 52 1	29°44'21	9♏13	3°14	8°34	27°11	11°40	22° 5	13° 1	10°53	18°35	18°50	20°33	22°54	n.a.	W28
T 29	11 55 58	0♈42'22	22°41	4° 7	9°43	27°57	11°54	22°10	13° 4	10°52	18°36	18°D50	20°30	23° 1	n.a.	T 29
F 30	11 59 55	1°40'23	6♐20	5° 3	10°53	28°43	12° 8	22°14	13° 7	10°51	18°37	18°51	20°26	23° 7	n.a.	F 30
S 31	12 3 51	2♈38'21	20♐10	6♓ 2	12♉ 2	29♒28	12♓22	22♑18	13♉10	10♏50	18♒38	18♉52	20♉23	23♋14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	10s24	15s 0	0n46	6s26	3n24	2n49	0n 7	20s 4	1s 9	10s50	1s12	22s55	0s38	15n27	0s13	13s41	1n49	29s58	15s 8	18n17	18n31	26n36			n.a.
F 2	10 2	19 51	0s24	6 50	3 16	3 21	0 10	19 52	1 10	10 44	1 12	22 55	0 38	15 27	0 13	13 41	1 49	29 58	15 8	18 17	18 30	26 35			n.a.
S 3	9 40	23 45	1 36	7 17	3 7	3 52	0 14	19 40	1 10	10 39	1 12	22 54	0 39	15 28	0 13	13 40	1 49	29 58	15 8	18 17	18 29	26 34			n.a.
S 4	9 18	26 19	2 43	7 44	2 56	4 24	0 17	19 28	1 10	10 34	1 12	22 53	0 39	15 29	0 13	13 40	1 49	29 57	15 9	18 17	18 29	26 34			n.a.
M 5	8 56	27 13	3 41	8 13	2 44	4 55	0 20	19 16	1 10	10 28	1 12	22 52	0 39	15 29	0 13	13 40	1 49	29 57	15 9	18 16	18 28	26 33			n.a.
T 6	8 34	26 14	4 26	8 41	2 31	5 26	0 23	19 3	1 10	10 23	1 12	22 52	0 39	15 30	0 13	13 40	1 49	29 57	15 9	18 15	18 27	26 33			n.a.
W 7	8 12	23 26	4 53	9 10	2 16	5 58	0 27	18 50	1 11	10 18	1 12	22 51	0 39	15 30	0 13	13 40	1 49	29 56	15 9	18 13	18 26	26 32			n.a.
T 8	7 49	19 3	5 2	9 38	2 2	6 29	0 30	18 37	1 11	10 12	1 12	22 50	0 39	15 31	0 13	13 39	1 50	29 56	15 9	18 10	18 25	26 31			n.a.
F 9	7 27	13 32	4 49	10 5	1 46	7 0	0 33	18 24	1 11	10 7	1 12	22 50	0 39	15 32	0 12	13 39	1 50	29 55	15 9	18 7	18 24	26 31			n.a.
S 10	7 4	7 20	4 18	10 31	1 31	7 31	0 37	18 11	1 11	10 1	1 12	22 49	0 39	15 32	0 12	13 39	1 50	29 55	15 9	18 4	18 24	26 30			n.a.
S 11	6 41	0 53	3 32	10 56	1 15	8 1	0 40	17 58	1 11	9 56	1 12	22 48	0 40	15 33	0 12	13 39	1 50	29 55	15 10	18 2	18 23	26 30			n.a.
M12	6 18	5n26	2 34	11 19	0 59	8 32	0 43	17 44	1 12	9 51	1 12	22 47	0 40	15 34	0 12	13 38	1 50	29 54	15 10	18 0	18 22	26 29			n.a.
T 13	5 55	11 20	1 29	11 39	0 43	9 2	0 47	17 30	1 12	9 45	1 12	22 47	0 40	15 35	0 12	13 38	1 50	29 54	15 10	18 0	18 21	26 28			n.a.
W14	5 32	16 32	0 21	11 58	0 27	9 32	0 50	17 16	1 12	9 40	1 12	22 46	0 40	15 35	0 12	13 38	1 50	29 54	15 10	17 59	18 20	26 28			n.a.
T 15	5 9	20 53	0n46	12 15	0 12	10 2	0 53	17 2	1 12	9 34	1 12	22 45	0 40	15 36	0 12	13 38	1 50	29 54	15 10	17 59	18 19	26 27			n.a.
F 16	4 46	24 12	1 49	12 30	0s 3	10 31	0 56	16 48	1 12	9 29	1 12	22 45	0 40	15 37	0 12	13 37	1 50	29 53	15 10	17 59	18 18	26 26			n.a.
S 17	4 23	26 21	2 46	12 42	0 17	11 0	1 0	16 33	1 12	9 23	1 12	22 44	0 40	15 37	0 12	13 37	1 50	29 53	15 11	17 59	18 18	26 26			n.a.
S 18	4 0	27 17	3 36	12 52	0 31	11 30	1 3	16 19	1 12	9 18	1 12	22 43	0 40	15 38	0 12	13 37	1 50	29 53	15 11	17 59	18 17	26 25			n.a.
M19	3 37	26 56	4 15	13 0	0 44	11 58	1 6	16 4	1 12	9 13	1 12	22 43	0 41	15 39	0 12	13 36	1 50	29 52	15 11	17 58	18 16	26 24			n.a.
T 20	3 13	25 23	4 44	13 6	0 57	12 27	1 10	15 49	1 13	9 7	1 12	22 42	0 41	15 40	0 12	13 36	1 50	29 52	15 11	17 57	18 15	26 24			n.a.
W21	2 50	22 40	5 1	13 9	1 9	12 55	1 13	15 34	1 13	9 2	1 12	22 41	0 41	15 41	0 12	13 36	1 50	29 52	15 11	17 54	18 14	26 23			n.a.
T 22	2 27	18 58	5 4	13 10	1 20	13 23	1 16	15 19	1 13	8 56	1 13	22 41	0 41	15 41	0 12	13 35	1 50	29 52	15 12	17 52	18 13	26 22			n.a.
F 23	2 3	14 25	4 54	13 9	1 31	13 51	1 19	15 4	1 13	8 51	1 13	22 40	0 41	15 42	0 12	13 35	1 50	29 51	15 12	17 49	18 13	26 21			n.a.
S 24	1 40	9 12	4 29	13 6	1 41	14 18	1 23	14 49	1 13	8 46	1 13	22 40	0 41	15 43	0 12	13 35	1 50	29 51	15 12	17 46	18 12	26 21			n.a.
S 25	1 17	3 32	3 51	13 1	1 50	14 45	1 26	14 33	1 13	8 40	1 13	22 39	0 41	15 44	0 12	13 34	1 50	29 51	15 12	17 44	18 11	26 20			n.a.
M26	0 53	2s23	3 1	12 53	1 58	15 11	1 29	14 17	1 13	8 35	1 13	22 39	0 42	15 45	0 12	13 34	1 50	29 51	15 13	17 42	18 10	26 19			n.a.
T 27	0 30	8 18	2 0	12 43	2 6	15 38	1 32	14 2	1 13	8 30	1 13	22 38	0 42	15 46	0 12	13 34	1 50	29 51	15 13	17 41	18 9	26 18			n.a.
W28	0 6	13 57	0 52	12 32	2 13	16 3	1 35	13 46	1 13	8 24	1 13	22 37	0 42	15 46	0 12	13 33	1 50	29 50	15 13	17 40	18 8	26 18			n.a.
T 29	0n17	19 2	0s21	12 18	2 20	16 29	1 38	13 30	1 13	8 19	1 13	22 37	0 42	15 47	0 12	13 33	1 50	29 50	15 13	17 40	18 7	26 17			n.a.
F 30	0 40	23 12	1 33	12 3	2 26	16 54	1 41	13 14	1 13	8 14	1 13	22 36	0 42	15 48	0 12	13 32	1 50	29 50	15 14	17 40	18 7	26 16			n.a.
S 31	1n 4	26s 5	2s41	11s45	2s31	17n19	1n44	12s57	1s13	8s 8	1s13	22s36	0s42	15n49	0s12	13s32	1n50	29s50	15s14	17n41	18n 6	26n15			n.a.

Julian Day Number = 1480782.5, Delta T = 05h22m55s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'21, Lahiri = -13°03'21 Julian Calendar 1 March 659 BCE == Greg. Calendar 22 Feb. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

APRIL 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 7 48	3♈36'19	4♑12	7♓ 4	13♉11	0♓14	12♓36	22♑21	13♉13	10°R48	18♒40	18°R52	20♉20	23♋21	n.a.	S 1
M 2	12 11 44	4°34'15	18°24	8°10	14°20	1° 0	12°50	22°25	13°16	10♏47	18°41	18♉52	20°17	23°27	n.a.	M 2
T 3	12 15 41	5°32'10	2♒44	9°17	15°28	1°45	13° 4	22°29	13°19	10°46	18°42	18°49	20°14	23°34	n.a.	T 3
W 4	12 19 37	6°30'03	17°11	10°28	16°37	2°31	13°18	22°33	13°22	10°45	18°43	18°45	20°11	23°41	n.a.	W 4
T 5	12 23 34	7°27'55	1♓38	11°41	17°45	3°16	13°31	22°36	13°25	10°43	18°44	18°39	20° 7	23°48	n.a.	T 5
F 6	12 27 30	8°25'45	16° 0	12°56	18°54	4° 1	13°45	22°40	13°28	10°42	18°45	18°33	20° 4	23°54	n.a.	F 6
S 7	12 31 27	9°23'34	0♈12	14°14	20° 2	4°47	13°59	22°43	13°31	10°41	18°46	18°27	20° 1	24° 1	n.a.	S 7
S 8	12 35 24	10°21'21	14° 9	15°34	21°10	5°32	14°12	22°46	13°34	10°39	18°47	18°22	19°58	24° 8	n.a.	S 8
M 9	12 39 20	11°19'07	27°46	16°57	22°18	6°17	14°26	22°49	13°37	10°38	18°48	18°18	19°55	24°14	n.a.	M 9
T 10	12 43 17	12°16'51	11♉ 2	18°22	23°26	7° 3	14°40	22°53	13°40	10°37	18°49	18°17	19°51	24°21	n.a.	T 10
W11	12 47 13	13°14'34	23°56	19°49	24°34	7°48	14°53	22°56	13°43	10°35	18°50	18°D17	19°48	24°28	n.a.	W11
T 12	12 51 10	14°12'15	6♊30	21°18	25°41	8°33	15° 6	22°58	13°47	10°34	18°51	18°18	19°45	24°34	n.a.	T 12
F 13	12 55 6	15° 9'54	18°48	22°50	26°48	9°18	15°20	23° 1	13°50	10°33	18°52	18°19	19°42	24°41	n.a.	F 13
S 14	12 59 3	16° 7'32	0♋52	24°24	27°56	10° 3	15°33	23° 4	13°53	10°31	18°53	18°21	19°39	24°48	n.a.	S 14
S 15	13 2 59	17° 5'08	12°48	26° 0	29° 3	10°48	15°46	23° 7	13°56	10°30	18°54	18°R22	19°36	24°55	n.a.	S 15
M16	13 6 56	18° 2'43	24°41	27°38	0♊ 9	11°33	16° 0	23° 9	13°59	10°28	18°55	18°22	19°32	25° 1	n.a.	M16
T 17	13 10 53	19° 0'16	6♌34	29°18	1°16	12°18	16°13	23°12	14° 3	10°27	18°56	18°20	19°29	25° 8	n.a.	T 17
W18	13 14 49	19°57'47	18°34	1♈ 1	2°23	13° 3	16°26	23°14	14° 6	10°25	18°57	18°18	19°26	25°15	n.a.	W18
T 19	13 18 46	20°55'17	0♍43	2°46	3°29	13°47	16°39	23°16	14° 9	10°24	18°58	18°14	19°23	25°21	n.a.	T 19
F 20	13 22 42	21°52'45	13° 5	4°33	4°35	14°32	16°52	23°19	14°13	10°22	18°59	18°10	19°20	25°28	n.a.	F 20
S 21	13 26 39	22°50'12	25°43	6°22	5°41	15°17	17° 5	23°21	14°16	10°21	18°59	18° 6	19°16	25°35	n.a.	S 21
S 22	13 30 35	23°47'37	8♎37	8°13	6°47	16° 1	17°18	23°23	14°19	10°19	19° 0	18° 2	19°13	25°42	n.a.	S 22
M23	13 34 32	24°45'02	21°48	10° 6	7°52	16°46	17°31	23°25	14°23	10°18	19° 1	17°59	19°10	25°48	n.a.	M23
T 24	13 38 28	25°42'25	5♏15	12° 2	8°58	17°30	17°44	23°26	14°26	10°16	19° 2	17°58	19° 7	25°55	n.a.	T 24
W25	13 42 25	26°39'47	18°56	13°59	10° 3	18°15	17°56	23°28	14°30	10°15	19° 2	17°D57	19° 4	26° 2	n.a.	W25
T 26	13 46 22	27°37'08	2♐49	15°59	11° 8	18°59	18° 9	23°30	14°33	10°13	19° 3	17°58	19° 1	26° 8	n.a.	T 26
F 27	13 50 18	28°34'29	16°51	18° 0	12°13	19°44	18°22	23°31	14°36	10°12	19° 4	17°59	18°57	26°15	n.a.	F 27
S 28	13 54 15	29°31'49	1♑ 0	20° 3	13°17	20°28	18°34	23°33	14°40	10°10	19° 4	18° 0	18°54	26°22	n.a.	S 28
S 29	13 58 11	0♉29'08	15°12	22° 8	14°21	21°12	18°47	23°34	14°43	10° 8	19° 5	18° 1	18°51	26°29	n.a.	S 29
M30	14 2 8	1♉26'26	29♑26	24♈15	15♊25	21♓56	18♓59	23♑35	14♉47	10♏ 7	19♒ 6	18°R 2	18♉48	26♋35	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n27	27s22	3s40	11s26	2s35	17n43	1n47	12s41	1s13	8s 3	1s13	22s35	0s42	15n50	0s12	13s32	1n51	29s50	15s14	17n41	18n 5	26n15		n.a.
M 2	1 50	26 53	4 27	11 5	2 39	18 7	1 50	12 25	1 13	7 58	1 13	22 35	0 43	15 51	0 12	13 31	1 51	29 50	15 14	17 41	18 4	26 14		n.a.
T 3	2 14	24 38	4 57	10 42	2 42	18 30	1 53	12 8	1 13	7 52	1 13	22 34	0 43	15 52	0 12	13 31	1 51	29 50	15 15	17 40	18 3	26 13		n.a.
W 4	2 37	20 48	5 9	10 17	2 45	18 53	1 56	11 52	1 13	7 47	1 13	22 34	0 43	15 53	0 12	13 30	1 51	29 49	15 15	17 39	18 2	26 12		n.a.
T 5	3 0	15 43	5 1	9 50	2 46	19 16	1 59	11 35	1 13	7 42	1 13	22 34	0 43	15 54	0 12	13 30	1 51	29 49	15 15	17 37	18 1	26 11		n.a.
F 6	3 23	9 48	4 34	9 22	2 48	19 38	2 1	11 18	1 13	7 36	1 14	22 33	0 43	15 55	0 12	13 30	1 51	29 49	15 15	17 35	18 1	26 10		n.a.
S 7	3 46	3 27	3 51	8 52	2 48	19 59	2 4	11 1	1 13	7 31	1 14	22 33	0 43	15 56	0 12	13 29	1 51	29 49	15 16	17 34	18 0	26 10		n.a.
S 8	4 9	2n59	2 55	8 21	2 48	20 20	2 6	10 44	1 13	7 26	1 14	22 32	0 43	15 57	0 12	13 29	1 51	29 49	15 16	17 32	17 59	26 9		n.a.
M 9	4 32	9 8	1 49	7 47	2 47	20 41	2 9	10 27	1 13	7 21	1 14	22 32	0 44	15 57	0 12	13 28	1 51	29 49	15 16	17 31	17 58	26 8		n.a.
T 10	4 55	14 43	0 39	7 12	2 46	21 1	2 11	10 10	1 13	7 15	1 14	22 31	0 44	15 58	0 12	13 28	1 51	29 49	15 17	17 31	17 57	26 7		n.a.
W11	5 18	19 31	0n31	6 36	2 44	21 20	2 14	9 53	1 13	7 10	1 14	22 31	0 44	15 59	0 12	13 27	1 51	29 49	15 17	17 31	17 56	26 6		n.a.
T 12	5 41	23 18	1 38	5 58	2 42	21 39	2 16	9 36	1 13	7 5	1 14	22 31	0 44	16 0	0 12	13 27	1 51	29 49	15 17	17 31	17 55	26 5		n.a.
F 13	6 3	25 56	2 39	5 18	2 38	21 58	2 18	9 19	1 13	7 0	1 14	22 30	0 44	16 1	0 12	13 26	1 51	29 49	15 18	17 31	17 54	26 4		n.a.
S 14	6 26	27 18	3 32	4 37	2 35	22 15	2 21	9 1	1 13	6 55	1 14	22 30	0 44	16 2	0 12	13 26	1 51	29 49	15 18	17 32	17 54	26 4		n.a.
S 15	6 48	27 23	4 15	3 55	2 31	22 33	2 23	8 44	1 13	6 50	1 14	22 30	0 45	16 3	0 12	13 25	1 51	29 49	15 18	17 32	17 53	26 3		n.a.
M16	7 10	26 11	4 47	3 11	2 26	22 50	2 25	8 27	1 12	6 44	1 15	22 30	0 45	16 4	0 12	13 25	1 51	29 49	15 18	17 32	17 52	26 2		n.a.
T 17	7 33	23 49	5 6	2 25	2 20	23 6	2 27	8 9	1 12	6 39	1 15	22 29	0 45	16 5	0 12	13 25	1 51	29 49	15 19	17 32	17 51	26 1		n.a.
W18	7 55	20 25	5 13	1 38	2 14	23 21	2 29	7 52	1 12	6 34	1 15	22 29	0 45	16 6	0 12	13 24	1 51	29 49	15 19	17 31	17 50	26 0		n.a.
T 19	8 17	16 7	5 5	0 50	2 8	23 36	2 30	7 34	1 12	6 29	1 15	22 29	0 45	16 7	0 12	13 24	1 51	29 49	15 19	17 30	17 49	25 59		n.a.
F 20	8 38	11 6	4 44	0 1	2 1	23 51	2 32	7 16	1 12	6 24	1 15	22 29	0 45	16 8	0 12	13 23	1 51	29 49	15 20	17 29	17 48	25 58		n.a.
S 21	9 0	5 31	4 8	0n50	1 53	24 4	2 34	6 59	1 12	6 19	1 15	22 28	0 45	16 9	0 12	13 23	1 51	29 49	15 20	17 28	17 47	25 57		n.a.
S 22	9 22	0s25	3 19	1 41	1 46	24 18	2 35	6 41	1 12	6 14	1 15	22 28	0 46	16 10	0 12	13 22	1 51	29 49	15 20	17 27	17 47	25 56		n.a.
M23	9 43	6 28	2 19	2 34	1 37	24 30	2 37	6 23	1 11	6 9	1 15	22 28	0 46	16 11	0 12	13 22	1 51	29 49	15 21	17 26	17 46	25 55		n.a.
T 24	10 4	12 22	1 9	3 28	1 28	24 42	2 38	6 6	1 11	6 4	1 16	22 28	0 46	16 12	0 12	13 21	1 51	29 49	15 21	17 25	17 45	25 54		n.a.
W25	10 25	17 47	0s 5	4 23	1 19	24 54	2 39	5 48	1 11	5 59	1 16	22 28	0 46	16 14	0 12	13 21	1 51	29 49	15 21	17 25	17 44	25 53		n.a.
T 26	10 46	22 20	1 21	5 18	1 10	25 4	2 40	5 30	1 11	5 55	1 16	22 28	0 46	16 15	0 12	13 20	1 51	29 49	15 22	17 25	17 43	25 52		n.a.
F 27	11 7	25 39	2 33	6 14	1 0	25 14	2 41	5 12	1 11	5 50	1 16	22 27	0 46	16 16	0 12	13 20	1 51	29 49	15 22	17 26	17 42	25 51		n.a.
S 28	11 28	27 22	3 35	7 11	0 50	25 24	2 42	4 55	1 11	5 45	1 16	22 27	0 47	16 17	0 12	13 19	1 51	29 49	15 22	17 26	17 41	25 50		n.a.
S 29	11 48	27 17	4 25	8 8	0 39	25 33	2 43	4 37	1 10	5 40	1 16	22 27	0 47	16 18	0 12	13 19	1 51	29 49	15 23	17 26	17 40	25 49		n.a.
M30	12n 8	25s25	4s59	9n 5	0s29	25n41	2n44	4s19	1s10	5s35	1s16	22s27	0s47	16n19	0s12	13s18	1n51	29s49	15s23	17n27	17n39	25n48		n.a.

Julian Day Number = 1480813.5, Delta T = 05h22m53s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'17, Lahiri = -13°03'17 Julian Calendar 1 Apr. 659 BCE == Greg. Calendar 25 March 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

MAY 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 6 4	2♉23'44	13♒40	26♈23	16♊29	22♓40	19♓11	23♑36	14♉50	10°R 5	19♒ 6	18°R 2	18♉45	26♋42	n.a.	T 1
W 2	14 10 1	3°21'01	27°49	28°32	17°33	23°24	19°23	23°38	14°54	10♏ 4	19° 7	18♉ 1	18°42	26°49	n.a.	W 2
T 3	14 13 57	4°18'17	11♓53	0♉42	18°36	24° 8	19°36	23°38	14°57	10° 2	19° 8	17°59	18°38	26°55	n.a.	T 3
F 4	14 17 54	5°15'33	25°49	2°53	19°39	24°52	19°48	23°39	15° 1	10° 0	19° 8	17°58	18°35	27° 2	n.a.	F 4
S 5	14 21 51	6°12'49	9♈33	5° 5	20°42	25°36	20° 0	23°40	15° 4	9°59	19° 9	17°56	18°32	27° 9	n.a.	S 5
S 6	14 25 47	7°10'03	23° 4	7°17	21°44	26°20	20°12	23°41	15° 8	9°57	19° 9	17°55	18°29	27°16	n.a.	S 6
M 7	14 29 44	8° 7'17	6♉19	9°28	22°47	27° 4	20°23	23°41	15°11	9°56	19°10	17°54	18°26	27°22	n.a.	M 7
T 8	14 33 40	9° 4'31	19°19	11°40	23°49	27°47	20°35	23°42	15°15	9°54	19°10	17°D54	18°22	27°29	n.a.	T 8
W 9	14 37 37	10° 1'44	2♊ 2	13°51	24°50	28°31	20°47	23°42	15°19	9°52	19°10	17°54	18°19	27°36	n.a.	W 9
T 10	14 41 33	10°58'56	14°30	16° 1	25°52	29°15	20°58	23°42	15°22	9°51	19°11	17°55	18°16	27°42	n.a.	T 10
F 11	14 45 30	11°56'07	26°44	18°10	26°53	29°58	21°10	23°42	15°26	9°49	19°11	17°55	18°13	27°49	n.a.	F 11
S 12	14 49 26	12°53'18	8♋47	20°17	27°54	0♈41	21°21	23°R42	15°29	9°47	19°12	17°56	18°10	27°56	n.a.	S 12
S 13	14 53 23	13°50'27	20°43	22°24	28°54	1°25	21°33	23°42	15°33	9°46	19°12	17°56	18° 7	28° 3	n.a.	S 13
M14	14 57 20	14°47'37	2♌36	24°28	29°54	2° 8	21°44	23°42	15°36	9°44	19°12	17°57	18° 3	28° 9	n.a.	M14
T 15	15 1 16	15°44'45	14°30	26°31	0♋54	2°51	21°55	23°42	15°40	9°43	19°13	17°R57	18° 0	28°16	n.a.	T 15
W16	15 5 13	16°41'52	26°30	28°32	1°53	3°34	22° 6	23°42	15°43	9°41	19°13	17°57	17°57	28°23	n.a.	W16
T 17	15 9 9	17°38'59	8♍40	0♊31	2°52	4°18	22°17	23°41	15°47	9°39	19°13	17°D57	17°54	28°29	n.a.	T 17
F 18	15 13 6	18°36'06	21° 4	2°28	3°51	5° 1	22°28	23°41	15°50	9°38	19°13	17°57	17°51	28°36	n.a.	F 18
S 19	15 17 2	19°33'11	3♎46	4°23	4°49	5°44	22°39	23°40	15°54	9°36	19°14	17°57	17°48	28°43	n.a.	S 19
S 20	15 20 59	20°30'17	16°48	6°16	5°46	6°26	22°49	23°39	15°58	9°35	19°14	17°57	17°44	28°50	n.a.	S 20
M21	15 24 55	21°27'21	0♏12	8° 6	6°44	7° 9	23° 0	23°38	16° 1	9°33	19°14	17°57	17°41	28°56	n.a.	M21
T 22	15 28 52	22°24'26	13°57	9°55	7°41	7°52	23°10	23°37	16° 5	9°31	19°14	17°R57	17°38	29° 3	n.a.	T 22
W23	15 32 49	23°21'30	28° 1	11°41	8°37	8°35	23°21	23°36	16° 8	9°30	19°14	17°57	17°35	29°10	n.a.	W23
T 24	15 36 45	24°18'35	12♐20	13°25	9°33	9°17	23°31	23°35	16°12	9°28	19°14	17°57	17°32	29°16	n.a.	T 24
F 25	15 40 42	25°15'39	26°49	15° 7	10°28	10° 0	23°41	23°34	16°15	9°27	19°14	17°56	17°28	29°23	n.a.	F 25
S 26	15 44 38	26°12'43	11♑23	16°47	11°23	10°42	23°51	23°33	16°19	9°25	19°14	17°56	17°25	29°30	n.a.	S 26
S 27	15 48 35	27° 9'48	25°56	18°24	12°18	11°25	24° 1	23°31	16°22	9°24	19°14	17°55	17°22	29°37	n.a.	S 27
M28	15 52 31	28° 6'53	10♒23	19°59	13°11	12° 7	24°11	23°30	16°26	9°22	19°R14	17°54	17°19	29°43	n.a.	M28
T 29	15 56 28	29° 3'58	24°39	21°32	14° 5	12°49	24°21	23°28	16°29	9°21	19°14	17°D53	17°16	29°50	n.a.	T 29
W30	16 0 25	0♊ 1'03	8♓43	23° 3	14°57	13°32	24°30	23°27	16°33	9°19	19°14	17°54	17°13	29°57	n.a.	W30
T 31	16 4 21	0♊58'09	22♓32	24♊31	15♋49	14♈14	24♓40	23♑25	16♉36	9♏18	19♒14	17♉54	17♉ 9	0♌ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	12n28	21s58	5s15	10n 2	0s18	25n48	2n44	4s 1	1s10	5s30	1s16	22s27	0s47	16n20	0s12	13s18	1n51	29s50	15s24	17n26	17n39	25n47			n.a.
W 2	12 48	17 15	5 11	10 59	0 7	25 55	2 45	3 43	1 10	5 26	1 17	22 27	0 47	16 21	0 12	13 17	1 51	29 50	15 24	17 26	17 38	25 46			n.a.
T 3	13 8	11 38	4 49	11 56	0n 3	26 1	2 45	3 25	1 10	5 21	1 17	22 27	0 47	16 22	0 12	13 17	1 51	29 50	15 24	17 26	17 37	25 45			n.a.
F 4	13 27	5 30	4 9	12 52	0 14	26 7	2 45	3 7	1 9	5 16	1 17	22 27	0 48	16 23	0 12	13 16	1 51	29 50	15 25	17 25	17 36	25 44			n.a.
S 5	13 47	0n50	3 16	13 47	0 24	26 12	2 45	2 49	1 9	5 12	1 17	22 27	0 48	16 24	0 12	13 15	1 51	29 50	15 25	17 25	17 35	25 43			n.a.
S 6	14 6	7 2	2 13	14 40	0 34	26 16	2 45	2 32	1 9	5 7	1 17	22 27	0 48	16 25	0 12	13 15	1 51	29 50	15 25	17 25	17 34	25 42			n.a.
M 7	14 25	12 49	1 4	15 33	0 44	26 19	2 45	2 14	1 9	5 3	1 17	22 27	0 48	16 26	0 12	13 14	1 51	29 50	15 26	17 24	17 33	25 41			n.a.
T 8	14 43	17 56	0n 8	16 24	0 54	26 22	2 45	1 56	1 8	4 58	1 18	22 27	0 48	16 27	0 12	13 14	1 51	29 51	15 26	17 24	17 32	25 40			n.a.
W 9	15 2	22 7	1 17	17 13	1 3	26 25	2 44	1 38	1 8	4 53	1 18	22 28	0 48	16 28	0 12	13 13	1 51	29 51	15 26	17 24	17 31	25 39			n.a.
T 10	15 20	25 13	2 22	18 0	1 11	26 26	2 44	1 20	1 8	4 49	1 18	22 28	0 49	16 29	0 12	13 13	1 51	29 51	15 27	17 25	17 31	25 38			n.a.
F 11	15 38	27 3	3 19	18 45	1 19	26 27	2 43	1 2	1 7	4 45	1 18	22 28	0 49	16 30	0 12	13 12	1 51	29 51	15 27	17 25	17 30	25 37			n.a.
S 12	15 56	27 34	4 6	19 27	1 27	26 28	2 42	0 45	1 7	4 40	1 18	22 28	0 49	16 31	0 12	13 12	1 51	29 52	15 28	17 25	17 29	25 36			n.a.
S 13	16 13	26 48	4 42	20 8	1 33	26 28	2 41	0 27	1 7	4 36	1 18	22 28	0 49	16 32	0 12	13 11	1 51	29 52	15 28	17 25	17 28	25 35			n.a.
M14	16 30	24 48	5 6	20 46	1 40	26 27	2 40	0 9	1 6	4 31	1 19	22 28	0 49	16 34	0 12	13 11	1 51	29 52	15 28	17 25	17 27	25 33			n.a.
T 15	16 47	21 44	5 16	21 21	1 45	26 25	2 39	0n 8	1 6	4 27	1 19	22 29	0 49	16 35	0 12	13 10	1 51	29 52	15 29	17 25	17 26	25 32			n.a.
W16	17 4	17 45	5 13	21 54	1 50	26 23	2 37	0 26	1 6	4 23	1 19	22 29	0 50	16 36	0 12	13 10	1 51	29 53	15 29	17 25	17 25	25 31			n.a.
T 17	17 20	13 0	4 56	22 24	1 54	26 20	2 36	0 44	1 6	4 19	1 19	22 29	0 50	16 37	0 12	13 9	1 51	29 53	15 29	17 25	17 24	25 30			n.a.
F 18	17 36	7 39	4 26	22 52	1 57	26 17	2 34	1 1	1 5	4 14	1 19	22 29	0 50	16 38	0 12	13 9	1 51	29 53	15 30	17 25	17 23	25 29			n.a.
S 19	17 52	1 52	3 41	23 17	2 0	26 13	2 32	1 19	1 5	4 10	1 19	22 30	0 50	16 39	0 12	13 8	1 51	29 53	15 30	17 25	17 23	25 28			n.a.
S 20	18 8	4s10	2 44	23 39	2 2	26 9	2 30	1 36	1 4	4 6	1 20	22 30	0 50	16 40	0 12	13 8	1 51	29 54	15 31	17 25	17 22	25 27			n.a.
M21	18 23	10 11	1 37	24 0	2 3	26 4	2 28	1 54	1 4	4 2	1 20	22 30	0 50	16 41	0 12	13 7	1 51	29 54	15 31	17 25	17 21	25 25			n.a.
T 22	18 38	15 54	0 22	24 17	2 4	25 58	2 25	2 11	1 4	3 58	1 20	22 30	0 51	16 42	0 12	13 7	1 51	29 54	15 31	17 25	17 20	25 24			n.a.
W23	18 52	20 54	0s55	24 33	2 4	25 52	2 23	2 29	1 3	3 54	1 20	22 31	0 51	16 43	0 12	13 6	1 51	29 55	15 32	17 25	17 19	25 23			n.a.
T 24	19 7	24 45	2 11	24 46	2 3	25 45	2 20	2 46	1 3	3 50	1 20	22 31	0 51	16 44	0 11	13 6	1 51	29 55	15 32	17 25	17 18	25 22			n.a.
F 25	19 21	27 3	3 19	24 57	2 1	25 38	2 17	3 3	1 3	3 46	1 21	22 32	0 51	16 45	0 11	13 6	1 51	29 55	15 32	17 25	17 17	25 21			n.a.
S 26	19 35	27 30	4 14	25 5	1 59	25 30	2 14	3 21	1 2	3 42	1 21	22 32	0 51	16 46	0 11	13 5	1 51	29 56	15 33	17 25	17 16	25 19			n.a.
S 27	19 48	26 3	4 53	25 12	1 57	25 22	2 10	3 38	1 2	3 39	1 21	22 32	0 51	16 47	0 11	13 5	1 51	29 56	15 33	17 25	17 15	25 18			n.a.
M28	20 1	22 54	5 14	25 17	1 53	25 13	2 7	3 55	1 1	3 35	1 21	22 33	0 52	16 48	0 11	13 4	1 51	29 56	15 34	17 24	17 14	25 17			n.a.
T 29	20 14	18 24	5 14	25 19	1 49	25 4	2 3	4 12	1 1	3 31	1 21	22 33	0 52	16 49	0 11	13 4	1 51	29 57	15 34	17 24	17 13	25 16			n.a.
W30	20 26	12 58	4 56	25 20	1 45	24 54	1 59	4 29	1 1	3 28	1 22	22 34	0 52	16 50	0 11	13 3	1 51	29 57	15 34	17 24	17 13	25 15			n.a.
T 31	20n38	6s59	4s20	25n19	1n40	24n44	1n55	4n46	1s 0	3s24	1s22	22s34	0s52	16n51	0s11	13s 3	1n51	29s57	15s35	17n24	17n12	25n13			n.a.

Julian Day Number = 1480843.5, Delta T = 05h22m52s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'13, Lahiri = -13°03'13 Julian Calendar 1 May 659 BCE == Greg. Calendar 24 Apr. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

JUNE 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 8 18	1♊55'15	6♈ 7	25♊57	16♋41	14♈56	24♓49	23°R23	16♉40	9°R16	19°R14	17♉55	17♉ 6	0♌10	n.a.	F 1
S 2	16 12 14	2°52'21	19°27	27°21	17°32	15°38	24°58	23♑21	16°43	9♏15	19♒14	17°56	17° 3	0°17	n.a.	S 2
S 3	16 16 11	3°49'28	2♉34	28°42	18°22	16°20	25° 7	23°19	16°47	9°13	19°14	17°57	17° 0	0°24	n.a.	S 3
M 4	16 20 7	4°46'35	15°26	0♋ 1	19°12	17° 2	25°16	23°17	16°50	9°12	19°14	17°R58	16°57	0°30	n.a.	M 4
T 5	16 24 4	5°43'43	28° 6	1°17	20° 0	17°43	25°25	23°15	16°53	9°11	19°13	17°57	16°53	0°37	n.a.	T 5
W 6	16 28 0	6°40'51	10♊34	2°31	20°48	18°25	25°34	23°12	16°57	9° 9	19°13	17°56	16°50	0°44	n.a.	W 6
T 7	16 31 57	7°37'59	22°51	3°43	21°36	19° 7	25°43	23°10	17° 0	9° 8	19°13	17°54	16°47	0°51	n.a.	T 7
F 8	16 35 54	8°35'08	4♋59	4°52	22°22	19°48	25°51	23° 7	17° 4	9° 6	19°13	17°51	16°44	0°57	n.a.	F 8
S 9	16 39 50	9°32'17	16°58	5°58	23° 8	20°30	25°59	23° 5	17° 7	9° 5	19°13	17°48	16°41	1° 4	n.a.	S 9
S 10	16 43 47	10°29'26	28°53	7° 1	23°53	21°11	26° 8	23° 2	17°10	9° 4	19°12	17°44	16°38	1°11	n.a.	S 10
M11	16 47 43	11°26'35	10♌45	8° 1	24°37	21°52	26°16	22°59	17°14	9° 2	19°12	17°41	16°34	1°17	n.a.	M11
T 12	16 51 40	12°23'45	22°37	8°58	25°20	22°34	26°24	22°57	17°17	9° 1	19°12	17°39	16°31	1°24	n.a.	T 12
W13	16 55 36	13°20'55	4♍36	9°53	26° 2	23°15	26°31	22°54	17°20	9° 0	19°11	17°37	16°28	1°31	n.a.	W13
T 14	16 59 33	14°18'05	16°43	10°44	26°43	23°56	26°39	22°51	17°24	8°59	19°11	17°D37	16°25	1°38	n.a.	T 14
F 15	17 3 30	15°15'15	29° 5	11°31	27°22	24°37	26°47	22°48	17°27	8°57	19°10	17°38	16°22	1°44	n.a.	F 15
S 16	17 7 26	16°12'26	11♎45	12°15	28° 1	25°18	26°54	22°44	17°30	8°56	19°10	17°39	16°19	1°51	n.a.	S 16
S 17	17 11 23	17° 9'37	24°48	12°56	28°39	25°59	27° 1	22°41	17°33	8°55	19°10	17°41	16°15	1°58	n.a.	S 17
M18	17 15 19	18° 6'49	8♏15	13°32	29°16	26°39	27° 8	22°38	17°36	8°54	19° 9	17°42	16°12	2° 4	n.a.	M18
T 19	17 19 16	19° 4'01	22° 9	14° 5	29°51	27°20	27°15	22°35	17°40	8°53	19° 9	17°R42	16° 9	2°11	n.a.	T 19
W20	17 23 12	20° 1'14	6♐28	14°33	0♌25	28° 1	27°22	22°31	17°43	8°52	19° 8	17°41	16° 6	2°18	n.a.	W20
T 21	17 27 9	20°58'28	21° 7	14°57	0°57	28°41	27°29	22°28	17°46	8°50	19° 8	17°38	16° 3	2°25	n.a.	T 21
F 22	17 31 5	21°55'42	6♑ 1	15°17	1°29	29°22	27°35	22°24	17°49	8°49	19° 7	17°34	15°59	2°31	n.a.	F 22
S 23	17 35 2	22°52'58	21° 0	15°32	1°59	0♉ 2	27°41	22°21	17°52	8°48	19° 6	17°29	15°56	2°38	n.a.	S 23
S 24	17 38 59	23°50'14	5♒57	15°42	2°27	0°42	27°48	22°17	17°55	8°47	19° 6	17°24	15°53	2°45	n.a.	S 24
M25	17 42 55	24°47'32	20°43	15°47	2°54	1°22	27°54	22°13	17°58	8°46	19° 5	17°20	15°50	2°52	n.a.	M25
T 26	17 46 52	25°44'50	5♓11	15°R47	3°19	2° 2	27°59	22°10	18° 1	8°45	19° 5	17°17	15°47	2°58	n.a.	T 26
W27	17 50 48	26°42'10	19°18	15°43	3°43	2°42	28° 5	22° 6	18° 4	8°44	19° 4	17°15	15°44	3° 5	n.a.	W27
T 28	17 54 45	27°39'31	3♈ 4	15°32	4° 5	3°22	28°11	22° 2	18° 7	8°43	19° 3	17°D15	15°40	3°12	n.a.	T 28
F 29	17 58 41	28°36'54	16°28	15°17	4°25	4° 2	28°16	21°58	18°10	8°43	19° 3	17°16	15°37	3°18	n.a.	F 29
S 30	18 2 38	29♊34'17	29♈33	14♋57	4♌43	4♉42	28♓21	21♑54	18♉13	8♏42	19♒ 2	17♉17	15♉34	3♌25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n50	0s45	3s31	25n17	1n34	24n33	1n51	5n 3	1s 0	3s20	1s22	22s35	0s52	16n52	0s11	13s 2	1n51	29s58	15s35	17n25	17n11	25n12		n.a.
S 2	21 2	5n24	2 31	25 13	1 28	24 22	1 46	5 20	0 59	3 17	1 22	22 35	0 52	16 53	0 11	13 2	1 51	29 58	15 35	17 25	17 10	25 11		n.a.
S 3	21 13	11 13	1 24	25 7	1 21	24 10	1 41	5 36	0 59	3 13	1 23	22 36	0 53	16 54	0 11	13 1	1 51	29 58	15 36	17 25	17 9	25 10		n.a.
M 4	21 23	16 28	0 14	25 0	1 14	23 58	1 37	5 53	0 58	3 10	1 23	22 36	0 53	16 55	0 11	13 1	1 51	29 59	15 36	17 25	17 8	25 8		n.a.
T 5	21 34	20 55	0n56	24 52	1 6	23 46	1 31	6 10	0 58	3 7	1 23	22 37	0 53	16 56	0 11	13 1	1 51	29 59	15 36	17 25	17 7	25 7		n.a.
W 6	21 44	24 21	2 1	24 43	0 58	23 33	1 26	6 26	0 57	3 3	1 23	22 37	0 53	16 57	0 11	13 0	1 51	30 0	15 37	17 25	17 6	25 6		n.a.
T 7	21 53	26 35	3 0	24 32	0 49	23 20	1 20	6 43	0 57	3 0	1 23	22 38	0 53	16 58	0 11	13 0	1 50	30 0	15 37	17 24	17 5	25 4		n.a.
F 8	22 3	27 31	3 50	24 21	0 39	23 7	1 15	6 59	0 56	2 57	1 24	22 38	0 53	16 59	0 11	12 59	1 50	30 1	15 38	17 24	17 4	25 3		n.a.
S 9	22 12	27 8	4 30	24 8	0 30	22 53	1 9	7 15	0 56	2 54	1 24	22 39	0 54	17 0	0 11	12 59	1 50	30 1	15 38	17 23	17 3	25 2		n.a.
S 10	22 20	25 31	4 57	23 55	0 19	22 39	1 2	7 31	0 55	2 51	1 24	22 40	0 54	17 1	0 11	12 59	1 50	30 1	15 38	17 22	17 2	25 1		n.a.
M11	22 28	22 46	5 11	23 41	0 9	22 25	0 56	7 47	0 55	2 48	1 24	22 40	0 54	17 2	0 11	12 58	1 50	30 2	15 39	17 21	17 2	24 59		n.a.
T 12	22 36	19 4	5 12	23 26	0s 2	22 10	0 49	8 3	0 54	2 45	1 25	22 41	0 54	17 3	0 11	12 58	1 50	30 2	15 39	17 20	17 1	24 58		n.a.
W13	22 43	14 36	5 0	23 10	0 14	21 56	0 42	8 19	0 54	2 42	1 25	22 41	0 54	17 4	0 11	12 57	1 50	30 3	15 39	17 20	17 0	24 57		n.a.
T 14	22 50	9 31	4 34	22 55	0 26	21 40	0 35	8 35	0 53	2 39	1 25	22 42	0 54	17 5	0 11	12 57	1 50	30 3	15 40	17 20	16 59	24 55		n.a.
F 15	22 57	3 58	3 55	22 38	0 38	21 25	0 27	8 51	0 53	2 36	1 25	22 43	0 54	17 6	0 11	12 57	1 50	30 4	15 40	17 20	16 58	24 54		n.a.
S 16	23 3	1s53	3 4	22 22	0 50	21 10	0 19	9 7	0 52	2 33	1 26	22 43	0 55	17 7	0 11	12 56	1 50	30 4	15 40	17 20	16 57	24 53		n.a.
S 17	23 9	7 51	2 2	22 5	1 3	20 54	0 11	9 22	0 52	2 31	1 26	22 44	0 55	17 8	0 11	12 56	1 50	30 5	15 41	17 21	16 56	24 51		n.a.
M18	23 14	13 39	0 51	21 49	1 16	20 38	0 3	9 38	0 51	2 28	1 26	22 45	0 55	17 8	0 11	12 56	1 50	30 5	15 41	17 21	16 55	24 50		n.a.
T 19	23 19	18 57	0s24	21 32	1 30	20 23	0s 6	9 53	0 51	2 26	1 26	22 46	0 55	17 9	0 11	12 55	1 50	30 6	15 41	17 21	16 54	24 48		n.a.
W20	23 24	23 21	1 41	21 15	1 43	20 7	0 14	10 8	0 50	2 23	1 27	22 46	0 55	17 10	0 11	12 55	1 50	30 6	15 42	17 21	16 53	24 47		n.a.
T 21	23 28	26 20	2 52	20 59	1 57	19 51	0 24	10 23	0 50	2 21	1 27	22 47	0 55	17 11	0 11	12 55	1 50	30 6	15 42	17 20	16 52	24 46		n.a.
F 22	23 32	27 31	3 53	20 43	2 11	19 34	0 33	10 38	0 49	2 18	1 27	22 48	0 55	17 12	0 11	12 55	1 50	30 7	15 42	17 19	16 51	24 44		n.a.
S 23	23 35	26 41	4 38	20 28	2 24	19 18	0 43	10 53	0 48	2 16	1 27	22 48	0 56	17 13	0 11	12 54	1 50	30 7	15 43	17 17	16 50	24 43		n.a.
S 24	23 38	23 57	5 4	20 13	2 38	19 2	0 53	11 8	0 48	2 14	1 28	22 49	0 56	17 14	0 11	12 54	1 50	30 8	15 43	17 16	16 50	24 41		n.a.
M25	23 40	19 40	5 10	19 59	2 52	18 46	1 3	11 23	0 47	2 12	1 28	22 50	0 56	17 15	0 11	12 54	1 50	30 8	15 43	17 15	16 49	24 40		n.a.
T 26	23 42	14 19	4 56	19 46	3 5	18 30	1 13	11 37	0 47	2 9	1 28	22 51	0 56	17 15	0 11	12 53	1 50	30 9	15 44	17 14	16 48	24 39		n.a.
W27	23 44	8 19	4 23	19 34	3 18	18 14	1 24	11 52	0 46	2 7	1 29	22 51	0 56	17 16	0 11	12 53	1 50	30 10	15 44	17 13	16 47	24 37		n.a.
T 28	23 45	2 4	3 37	19 22	3 31	17 58	1 35	12 6	0 45	2 5	1 29	22 52	0 56	17 17	0 11	12 53	1 50	30 10	15 44	17 13	16 46	24 36		n.a.
F 29	23 46	4n 7	2 39	19 12	3 42	17 42	1 46	12 20	0 45	2 3	1 29	22 53	0 56	17 18	0 11	12 53	1 49	30 11	15 45	17 14	16 45	24 34		n.a.
S 30	23n47	9n59	1s35	19n 3	3s54	17n27	1s58	12n35	0s44	2s 2	1s29	22s54	0s57	17n19	0s11	12s52	1n49	30s11	15s45	17n14	16n44	24n33		n.a.

Julian Day Number = 1480874.5, Delta T = 05h22m50s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'09, Lahiri = -13°03'08 Julian Calendar 1 June 659 BCE == Greg. Calendar 25 May 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

JULY 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 6 34	0♋31'43	12♉21	14°R32	5♌ 0	5♉22	28♓26	21°R50	18♉16	8°R41	19°R 1	17°R18	15♉31	3♌32	n.a.	S 1
M 2	18 10 31	1°29'09	24°55	14♋ 2	5°15	6° 1	28°31	21♏46	18°18	8♏40	19♒ 0	17♉18	15°28	3°39	n.a.	M 2
T 3	18 14 28	2°26'37	7♊18	13°27	5°27	6°41	28°35	21°42	18°21	8°39	19° 0	17°16	15°25	3°45	n.a.	T 3
W 4	18 18 24	3°24'06	19°32	12°49	5°38	7°20	28°40	21°37	18°24	8°38	18°59	17°12	15°21	3°52	n.a.	W 4
T 5	18 22 21	4°21'37	1♋38	12° 7	5°46	7°59	28°44	21°33	18°27	8°38	18°58	17° 6	15°18	3°59	n.a.	T 5
F 6	18 26 17	5°19'09	13°37	11°22	5°53	8°39	28°48	21°29	18°29	8°37	18°57	16°58	15°15	4° 5	n.a.	F 6
S 7	18 30 14	6°16'42	25°33	10°35	5°57	9°18	28°52	21°25	18°32	8°36	18°57	16°49	15°12	4°12	n.a.	S 7
S 8	18 34 10	7°14'16	7♌25	9°47	5°R59	9°57	28°56	21°20	18°35	8°36	18°56	16°39	15° 9	4°19	n.a.	S 8
M 9	18 38 7	8°11'51	19°16	8°58	5°58	10°36	29° 0	21°16	18°37	8°35	18°55	16°30	15° 5	4°26	n.a.	M 9
T 10	18 42 4	9° 9'28	1♍ 8	8° 9	5°56	11°15	29° 3	21°12	18°40	8°34	18°54	16°23	15° 2	4°32	n.a.	T 10
W11	18 46 0	10° 7'06	13° 6	7°22	5°51	11°53	29° 6	21° 7	18°42	8°34	18°53	16°17	14°59	4°39	n.a.	W11
T 12	18 49 57	11° 4'44	25°11	6°37	5°43	12°32	29° 9	21° 3	18°45	8°33	18°52	16°13	14°56	4°46	n.a.	T 12
F 13	18 53 53	12° 2'24	7♎30	5°56	5°33	13°11	29°12	20°58	18°47	8°33	18°51	16°D12	14°53	4°53	n.a.	F 13
S 14	18 57 50	13° 0'05	20° 6	5°18	5°21	13°49	29°15	20°54	18°50	8°32	18°50	16°12	14°50	4°59	n.a.	S 14
S 15	19 1 46	13°57'48	3♏ 3	4°45	5° 7	14°27	29°17	20°49	18°52	8°32	18°49	16°13	14°46	5° 6	n.a.	S 15
M16	19 5 43	14°55'31	16°27	4°18	4°50	15° 6	29°20	20°45	18°54	8°31	18°48	16°R13	14°43	5°13	n.a.	M16
T 17	19 9 39	15°53'16	0♐18	3°57	4°30	15°44	29°22	20°40	18°57	8°31	18°47	16°13	14°40	5°19	n.a.	T 17
W18	19 13 36	16°51'03	14°39	3°43	4° 9	16°22	29°23	20°36	18°59	8°31	18°46	16°10	14°37	5°26	n.a.	W18
T 19	19 17 33	17°48'51	29°25	3°D36	3°45	17° 0	29°25	20°31	19° 1	8°30	18°45	16° 4	14°34	5°33	n.a.	T 19
F 20	19 21 29	18°46'40	14♑31	3°36	3°20	17°38	29°27	20°27	19° 3	8°30	18°44	15°57	14°31	5°40	n.a.	F 20
S 21	19 25 26	19°44'31	29°48	3°45	2°52	18°15	29°28	20°22	19° 6	8°30	18°43	15°48	14°27	5°46	n.a.	S 21
S 22	19 29 22	20°42'24	15♒ 3	4° 1	2°23	18°53	29°29	20°18	19° 8	8°30	18°42	15°39	14°24	5°53	n.a.	S 22
M23	19 33 19	21°40'18	0♓ 7	4°25	1°52	19°30	29°30	20°13	19°10	8°29	18°41	15°30	14°21	6° 0	n.a.	M23
T 24	19 37 15	22°38'14	14°51	4°57	1°19	20° 8	29°31	20° 8	19°12	8°29	18°40	15°23	14°18	6° 6	n.a.	T 24
W25	19 41 12	23°36'12	29° 9	5°37	0°45	20°45	29°31	20° 4	19°14	8°29	18°39	15°19	14°15	6°13	n.a.	W25
T 26	19 45 8	24°34'12	12♈59	6°24	0°11	21°22	29°32	19°59	19°16	8°29	18°38	15°16	14°11	6°20	n.a.	T 26
F 27	19 49 5	25°32'15	26°23	7°19	29♋35	22° 0	29°R32	19°55	19°18	8°29	18°37	15°D16	14° 8	6°27	n.a.	F 27
S 28	19 53 2	26°30'19	9♉22	8°21	28°59	22°37	29°32	19°50	19°19	8°29	18°36	15°R16	14° 5	6°33	n.a.	S 28
S 29	19 56 58	27°28'25	22° 2	9°29	28°22	23°13	29°31	19°46	19°21	8°D29	18°35	15°16	14° 2	6°40	n.a.	S 29
M30	20 0 55	28°26'34	4♊25	10°44	27°45	23°50	29°31	19°41	19°23	8°29	18°34	15°14	13°59	6°47	n.a.	M30
T 31	20 4 51	29♋24'45	16♊37	12♋ 4	27♋ 8	24♉27	29♓30	19♏37	19♉25	8♏29	18♒32	15♉11	13♉56	6♌54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23n47	15n20	0s27	18n56	4s 4	17n11	2s10	12n49	0s43	2s 0	1s30	22s55	0s57	17n20	0s11	12s52	1n49	30s12	15s45	17n14	16n43	24n31			n.a.
M 2	23 46	19 56	0n41	18 50	4 13	16 56	2 22	13 3	0 43	1 58	1 30	22 55	0 57	17 20	0 11	12 52	1 49	30 12	15 45	17 14	16 42	24 30			n.a.
T 3	23 45	23 34	1 46	18 45	4 21	16 41	2 34	13 16	0 42	1 57	1 30	22 56	0 57	17 21	0 11	12 52	1 49	30 13	15 46	17 14	16 41	24 29			n.a.
W 4	23 44	26 6	2 45	18 42	4 28	16 26	2 46	13 30	0 42	1 55	1 30	22 57	0 57	17 22	0 11	12 52	1 49	30 13	15 46	17 12	16 40	24 27			n.a.
T 5	23 42	27 22	3 36	18 40	4 34	16 12	2 59	13 44	0 41	1 54	1 31	22 58	0 57	17 23	0 11	12 51	1 49	30 14	15 46	17 11	16 39	24 26			n.a.
F 6	23 40	27 19	4 16	18 40	4 37	15 58	3 12	13 57	0 40	1 52	1 31	22 59	0 57	17 23	0 11	12 51	1 49	30 14	15 47	17 8	16 38	24 24			n.a.
S 7	23 38	26 0	4 45	18 42	4 40	15 44	3 25	14 10	0 39	1 51	1 31	22 59	0 57	17 24	0 11	12 51	1 49	30 15	15 47	17 6	16 37	24 23			n.a.
S 8	23 35	23 32	5 2	18 45	4 40	15 31	3 39	14 23	0 39	1 50	1 32	23 0	0 58	17 25	0 11	12 51	1 49	30 15	15 47	17 3	16 36	24 21			n.a.
M 9	23 31	20 4	5 5	18 50	4 38	15 18	3 52	14 36	0 38	1 48	1 32	23 1	0 58	17 26	0 11	12 51	1 49	30 16	15 47	17 0	16 35	24 20			n.a.
T 10	23 27	15 49	4 56	18 57	4 35	15 5	4 6	14 49	0 37	1 47	1 32	23 2	0 58	17 26	0 11	12 51	1 49	30 16	15 48	16 58	16 35	24 18			n.a.
W11	23 23	10 55	4 33	19 5	4 30	14 53	4 19	15 2	0 37	1 46	1 32	23 3	0 58	17 27	0 11	12 50	1 49	30 17	15 48	16 56	16 34	24 16			n.a.
T 12	23 18	5 34	3 58	19 14	4 23	14 42	4 33	15 15	0 36	1 45	1 33	23 3	0 58	17 28	0 11	12 50	1 49	30 17	15 48	16 55	16 33	24 15			n.a.
F 13	23 13	0s 5	3 12	19 24	4 14	14 31	4 47	15 27	0 35	1 44	1 33	23 4	0 58	17 29	0 11	12 50	1 49	30 18	15 48	16 55	16 32	24 13			n.a.
S 14	23 8	5 53	2 15	19 36	4 4	14 21	5 0	15 40	0 35	1 44	1 33	23 5	0 58	17 29	0 11	12 50	1 49	30 19	15 49	16 55	16 31	24 12			n.a.
S 15	23 2	11 37	1 10	19 49	3 52	14 11	5 14	15 52	0 34	1 43	1 34	23 6	0 58	17 30	0 11	12 50	1 49	30 19	15 49	16 55	16 30	24 10			n.a.
M16	22 56	17 0	0s 1	20 3	3 39	14 2	5 28	16 4	0 33	1 42	1 34	23 7	0 58	17 31	0 11	12 50	1 48	30 20	15 49	16 55	16 29	24 9			n.a.
T 17	22 49	21 43	1 14	20 18	3 25	13 53	5 41	16 16	0 32	1 42	1 34	23 7	0 59	17 31	0 11	12 50	1 48	30 20	15 49	16 55	16 28	24 7			n.a.
W18	22 42	25 17	2 26	20 33	3 10	13 45	5 54	16 28	0 32	1 41	1 34	23 8	0 59	17 32	0 11	12 50	1 48	30 21	15 50	16 54	16 27	24 6			n.a.
T 19	22 34	27 15	3 29	20 50	2 54	13 38	6 7	16 39	0 31	1 41	1 35	23 9	0 59	17 32	0 11	12 50	1 48	30 21	15 50	16 53	16 26	24 4			n.a.
F 20	22 26	27 16	4 19	21 6	2 38	13 32	6 20	16 51	0 30	1 40	1 35	23 10	0 59	17 33	0 11	12 50	1 48	30 22	15 50	16 51	16 25	24 2			n.a.
S 21	22 18	25 13	4 51	21 23	2 21	13 26	6 32	17 2	0 29	1 40	1 35	23 11	0 59	17 34	0 11	12 50	1 48	30 22	15 50	16 48	16 24	24 1			n.a.
S 22	22 9	21 22	5 3	21 39	2 4	13 21	6 43	17 13	0 29	1 40	1 36	23 11	0 59	17 34	0 11	12 50	1 48	30 23	15 50	16 45	16 23	23 59			n.a.
M23	22 0	16 9	4 53	21 56	1 47	13 17	6 55	17 25	0 28	1 40	1 36	23 12	0 59	17 35	0 11	12 50	1 48	30 23	15 51	16 43	16 22	23 58			n.a.
T 24	21 51	10 6	4 24	22 12	1 29	13 14	7 5	17 36	0 27	1 40	1 36	23 13	0 59	17 35	0 11	12 50	1 48	30 24	15 51	16 41	16 21	23 56			n.a.
W25	21 41	3 41	3 39	22 27	1 13	13 11	7 15	17 46	0 26	1 40	1 36	23 14	0 59	17 36	0 11	12 50	1 48	30 24	15 51	16 39	16 20	23 54			n.a.
T 26	21 31	2n42	2 43	22 41	0 56	13 9	7 25	17 57	0 25	1 40	1 37	23 15	0 59	17 36	0 11	12 50	1 48	30 25	15 51	16 39	16 19	23 53			n.a.
F 27	21 20	8 47	1 39	22 54	0 40	13 8	7 33	18 8	0 25	1 40	1 37	23 15	0 59	17 37	0 11	12 50	1 48	30 25	15 51	16 39	16 18	23 51			n.a.
S 28	21 9	14 19	0 31	23 6	0 24	13 8	7 41	18 18	0 24	1 41	1 37	23 16	0 59	17 37	0 11	12 50	1 48	30 26	15 51	16 39	16 17	23 49			n.a.
S 29	20 58	19 6	0n36	23 17	0 9	13 8	7 48	18 28	0 23	1 41	1 38	23 17	1 0	17 38	0 11	12 50	1 48	30 27	15 52	16 39	16 16	23 48			n.a.
M30	20 46	22 57	1 40	23 25	0n 5	13 9	7 55	18 38	0 22	1 41	1 38	23 18	1 0	17 38	0 11	12 50	1 48	30 27	15 52	16 38	16 15	23 46			n.a.
T 31	20n34	25n43	2n38	23n31	0n18	13n11	8s 0	18n48	0s21	1s42	1s38	23s18	1s 0	17n39	0s11	12s50	1n48	30s28	15s52	16n37	16n15	23n45			n.a.

Julian Day Number = 1480904.5, Delta T = 05h22m49s
Ecliptic obliquity = 23°46'34, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'05, Lahiri = -13°03'04 Julian Calendar 1 July 659 BCE == Greg. Calendar 24 June 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

AUGUST 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 8 48	0♌22'57	28♊40	13♋30	26°R32	25♉ 3	29°R29	19°R32	19♉26	8♏29	18°R31	15°R 4	13♉52	7♌ 0	n.a.	W 1
T 2	20 12 44	1°21'12	10♋38	15° 1	25♋56	25°40	29♓28	19♑28	19°28	8°29	18♒30	14♉54	13°49	7° 7	n.a.	T 2
F 3	20 16 41	2°19'29	22°32	16°36	25°21	26°16	29°27	19°24	19°30	8°29	18°29	14°43	13°46	7°14	n.a.	F 3
S 4	20 20 37	3°17'47	4♌24	18°15	24°46	26°52	29°25	19°19	19°31	8°29	18°28	14°29	13°43	7°20	n.a.	S 4
S 5	20 24 34	4°16'08	16°16	19°58	24°13	27°28	29°24	19°15	19°33	8°30	18°27	14°15	13°40	7°27	n.a.	S 5
M 6	20 28 31	5°14'30	28° 9	21°43	23°42	28° 4	29°22	19°11	19°34	8°30	18°25	14° 1	13°37	7°34	n.a.	M 6
T 7	20 32 27	6°12'55	10♍ 4	23°31	23°12	28°40	29°20	19° 6	19°35	8°30	18°24	13°50	13°33	7°41	n.a.	T 7
W 8	20 36 24	7°11'21	22° 4	25°20	22°43	29°16	29°17	19° 2	19°37	8°31	18°23	13°40	13°30	7°47	n.a.	W 8
T 9	20 40 20	8° 9'49	4♎12	27°11	22°17	29°51	29°15	18°58	19°38	8°31	18°22	13°34	13°27	7°54	n.a.	T 9
F 10	20 44 17	9° 8'18	16°31	29° 3	21°53	0♊27	29°12	18°54	19°39	8°31	18°21	13°30	13°24	8° 1	n.a.	F 10
S 11	20 48 13	10° 6'50	29° 4	0♌56	21°30	1° 2	29° 9	18°50	19°40	8°32	18°19	13°29	13°21	8° 8	n.a.	S 11
S 12	20 52 10	11° 5'23	11♏57	2°49	21°10	1°37	29° 6	18°46	19°42	8°32	18°18	13°29	13°17	8°14	n.a.	S 12
M13	20 56 6	12° 3'58	25°13	4°43	20°52	2°12	29° 3	18°42	19°43	8°33	18°17	13°28	13°14	8°21	n.a.	M13
T 14	21 0 3	13° 2'35	8♐56	6°36	20°36	2°47	29° 0	18°38	19°44	8°33	18°16	13°27	13°11	8°28	n.a.	T 14
W15	21 3 59	14° 1'13	23° 8	8°29	20°23	3°21	28°56	18°34	19°45	8°34	18°15	13°24	13° 8	8°34	n.a.	W15
T 16	21 7 56	14°59'54	7♑47	10°22	20°12	3°56	28°52	18°30	19°46	8°34	18°13	13°17	13° 5	8°41	n.a.	T 16
F 17	21 11 53	15°58'36	22°49	12°14	20° 4	4°30	28°48	18°26	19°47	8°35	18°12	13° 9	13° 2	8°48	n.a.	F 17
S 18	21 15 49	16°57'21	8♒ 6	14° 6	19°58	5° 5	28°44	18°22	19°47	8°36	18°11	12°58	12°58	8°55	n.a.	S 18
S 19	21 19 46	17°56'07	23°26	15°57	19°54	5°39	28°40	18°19	19°48	8°36	18°10	12°47	12°55	9° 1	n.a.	S 19
M20	21 23 42	18°54'56	8♓39	17°48	19°D53	6°13	28°35	18°15	19°49	8°37	18° 9	12°37	12°52	9° 8	n.a.	M20
T 21	21 27 39	19°53'46	23°34	19°37	19°54	6°47	28°31	18°12	19°50	8°38	18° 7	12°28	12°49	9°15	n.a.	T 21
W22	21 31 35	20°52'39	8♈ 2	21°26	19°58	7°20	28°26	18° 8	19°50	8°38	18° 6	12°22	12°46	9°21	n.a.	W22
T 23	21 35 32	21°51'34	22° 1	23°13	20° 4	7°54	28°21	18° 5	19°51	8°39	18° 5	12°19	12°43	9°28	n.a.	T 23
F 24	21 39 28	22°50'32	5♉31	25° 0	20°12	8°27	28°15	18° 1	19°51	8°40	18° 4	12°18	12°39	9°35	n.a.	F 24
S 25	21 43 25	23°49'32	18°34	26°46	20°22	9° 0	28°10	17°58	19°52	8°41	18° 2	12°17	12°36	9°42	n.a.	S 25
S 26	21 47 22	24°48'35	1♊13	28°31	20°35	9°33	28° 4	17°55	19°52	8°42	18° 1	12°17	12°33	9°48	n.a.	S 26
M27	21 51 18	25°47'40	13°34	0♍16	20°49	10° 6	27°59	17°52	19°53	8°43	18° 0	12°16	12°30	9°55	n.a.	M27
T 28	21 55 15	26°46'48	25°42	1°59	21° 6	10°39	27°53	17°49	19°53	8°44	17°59	12°13	12°27	10° 2	n.a.	T 28
W29	21 59 11	27°45'58	7♋40	3°41	21°24	11°12	27°47	17°46	19°53	8°45	17°58	12° 7	12°23	10° 9	n.a.	W29
T 30	22 3 8	28°45'10	19°33	5°23	21°45	11°44	27°41	17°43	19°53	8°46	17°56	11°58	12°20	10°15	n.a.	T 30
F 31	22 7 4	29♌44'25	1♌25	7♍ 4	22♋ 7	12♊16	27♓35	17♑40	19♉54	8♏47	17♒55	11♉47	12♉17	10♌22	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	20n21	27n14	3n28	23n35	0n31	13n13	8s 4	18n58	0s20	1s42	1s38	23s19	1s 0	17n39	0s11	12s50	1n47	30s28	15s52	16n35	16n14	23n43			n.a.
T 2	20 8	27 28	4 9	23 37	0 42	13 16	8 8	19 8	0 20	1 43	1 39	23 20	1 0	17 40	0 11	12 50	1 47	30 29	15 52	16 32	16 13	23 41			n.a.
F 3	19 55	26 26	4 38	23 36	0 53	13 19	8 11	19 17	0 19	1 44	1 39	23 20	1 0	17 40	0 11	12 50	1 47	30 29	15 52	16 29	16 12	23 39			n.a.
S 4	19 42	24 12	4 55	23 33	1 3	13 23	8 13	19 27	0 18	1 45	1 39	23 21	1 0	17 41	0 11	12 51	1 47	30 30	15 52	16 25	16 11	23 38			n.a.
S 5	19 28	20 56	4 59	23 27	1 11	13 28	8 14	19 36	0 17	1 46	1 40	23 22	1 0	17 41	0 11	12 51	1 47	30 30	15 53	16 20	16 10	23 36			n.a.
M 6	19 14	16 49	4 51	23 18	1 19	13 33	8 14	19 45	0 16	1 47	1 40	23 22	1 0	17 41	0 11	12 51	1 47	30 31	15 53	16 16	16 9	23 34			n.a.
T 7	18 59	12 3	4 29	23 7	1 26	13 39	8 13	19 54	0 15	1 48	1 40	23 23	1 0	17 42	0 11	12 51	1 47	30 31	15 53	16 13	16 8	23 33			n.a.
W 8	18 44	6 47	3 56	22 53	1 32	13 45	8 12	20 3	0 14	1 49	1 40	23 24	1 0	17 42	0 11	12 51	1 47	30 32	15 53	16 10	16 7	23 31			n.a.
T 9	18 29	1 14	3 11	22 36	1 37	13 51	8 10	20 11	0 13	1 50	1 41	23 24	1 0	17 43	0 11	12 51	1 47	30 32	15 53	16 8	16 6	23 29			n.a.
F 10	18 13	4s28	2 17	22 17	1 41	13 58	8 7	20 20	0 12	1 52	1 41	23 25	1 0	17 43	0 11	12 51	1 47	30 33	15 53	16 7	16 5	23 28			n.a.
S 11	17 58	10 7	1 15	21 56	1 44	14 5	8 3	20 28	0 11	1 53	1 41	23 26	1 0	17 43	0 11	12 52	1 47	30 33	15 53	16 6	16 4	23 26			n.a.
S 12	17 41	15 30	0 8	21 32	1 47	14 12	7 59	20 36	0 10	1 54	1 41	23 26	1 0	17 44	0 11	12 52	1 47	30 34	15 53	16 6	16 3	23 24			n.a.
M13	17 25	20 20	1s 2	21 6	1 48	14 20	7 54	20 44	0 10	1 56	1 42	23 27	1 0	17 44	0 11	12 52	1 47	30 34	15 53	16 6	16 2	23 22			n.a.
T 14	17 8	24 14	2 10	20 39	1 49	14 27	7 48	20 52	0 9	1 58	1 42	23 28	1 0	17 44	0 11	12 52	1 47	30 34	15 53	16 6	16 1	23 21			n.a.
W15	16 51	26 48	3 13	20 9	1 49	14 35	7 42	21 0	0 8	1 59	1 42	23 28	1 1	17 44	0 11	12 53	1 47	30 35	15 53	16 5	16 0	23 19			n.a.
T 16	16 34	27 37	4 5	19 38	1 49	14 43	7 36	21 7	0 7	2 1	1 42	23 29	1 1	17 45	0 11	12 53	1 46	30 35	15 53	16 3	15 59	23 17			n.a.
F 17	16 16	26 26	4 42	19 5	1 48	14 51	7 29	21 15	0 6	2 3	1 43	23 29	1 1	17 45	0 11	12 53	1 46	30 36	15 53	16 0	15 58	23 15			n.a.
S 18	15 58	23 18	4 59	18 31	1 46	14 59	7 21	21 22	0 5	2 5	1 43	23 30	1 1	17 45	0 11	12 53	1 46	30 36	15 53	15 57	15 57	23 13			n.a.
S 19	15 40	18 31	4 55	17 56	1 44	15 7	7 14	21 29	0 4	2 7	1 43	23 30	1 1	17 45	0 11	12 54	1 46	30 37	15 53	15 54	15 56	23 12			n.a.
M20	15 22	12 36	4 30	17 20	1 42	15 16	7 6	21 36	0 3	2 9	1 43	23 31	1 1	17 46	0 11	12 54	1 46	30 37	15 53	15 50	15 55	23 10			n.a.
T 21	15 3	6 3	3 47	16 42	1 39	15 24	6 57	21 43	0 2	2 11	1 43	23 31	1 1	17 46	0 11	12 54	1 46	30 38	15 53	15 48	15 54	23 8			n.a.
W22	14 44	0n38	2 50	16 4	1 35	15 32	6 49	21 50	0 1	2 13	1 44	23 32	1 1	17 46	0 11	12 55	1 46	30 38	15 53	15 46	15 53	23 6			n.a.
T 23	14 25	7 5	1 45	15 24	1 31	15 40	6 40	21 56	0n 0	2 15	1 44	23 32	1 1	17 46	0 11	12 55	1 46	30 38	15 53	15 45	15 52	23 4			n.a.
F 24	14 6	12 59	0 36	14 44	1 27	15 47	6 31	22 3	0 1	2 17	1 44	23 33	1 1	17 46	0 11	12 55	1 46	30 39	15 53	15 44	15 51	23 3			n.a.
S 25	13 46	18 7	0n33	14 4	1 23	15 55	6 22	22 9	0 3	2 20	1 44	23 33	1 1	17 46	0 11	12 56	1 46	30 39	15 53	15 44	15 50	23 1			n.a.
S 26	13 26	22 18	1 38	13 22	1 18	16 2	6 13	22 15	0 4	2 22	1 44	23 34	1 1	17 46	0 11	12 56	1 46	30 40	15 53	15 44	15 49	22 59			n.a.
M27	13 6	25 21	2 37	12 40	1 13	16 9	6 3	22 21	0 5	2 25	1 45	23 34	1 1	17 47	0 11	12 56	1 46	30 40	15 53	15 44	15 48	22 57			n.a.
T 28	12 46	27 10	3 28	11 58	1 8	16 16	5 54	22 27	0 6	2 27	1 45	23 35	1 1	17 47	0 11	12 57	1 46	30 40	15 53	15 43	15 47	22 55			n.a.
W29	12 25	27 42	4 9	11 15	1 2	16 23	5 44	22 33	0 7	2 30	1 45	23 35	1 1	17 47	0 11	12 57	1 46	30 41	15 53	15 41	15 46	22 53			n.a.
T 30	12 4	26 55	4 39	10 33	0 56	16 29	5 35	22 39	0 8	2 32	1 45	23 35	1 1	17 47	0 11	12 57	1 46	30 41	15 53	15 38	15 45	22 52			n.a.
F 31	11n43	24n56	4n56	9n49	0n51	16n35	5s25	22n44	0n 9	2s35	1s45	23s36	1s 1	17n47	0s11	12s58	1n46	30s41	15s53	15n35	15n44	22n50			n.a.

Julian Day Number = 1480935.5, Delta T = 05h22m47s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°10'01, Lahiri = -13°03'00 Julian Calendar 1 Aug. 659 BCE == Greg. Calendar 25 July 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

SEPTEMBER 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 11 1	0♍43'42	13♌17	8♍43	22♋31	12♊48	27°R28	17°R37	19♉54	8♏48	17°R54	11°R34	12♉14	10♌29	n.a.	S 1
S 2	22 14 57	1°43'01	25°11	10°22	22°57	13°20	27♓22	17♑35	19°54	8°49	17♒53	11♉20	12°11	10°35	n.a.	S 2
M 3	22 18 54	2°42'22	7♍ 8	12° 1	23°24	13°52	27°15	17°32	19°R54	8°50	17°52	11° 7	12° 8	10°42	n.a.	M 3
T 4	22 22 51	3°41'46	19°11	13°38	23°53	14°23	27° 8	17°30	19°54	8°51	17°51	10°56	12° 4	10°49	n.a.	T 4
W 5	22 26 47	4°41'12	1♎20	15°15	24°24	14°54	27° 1	17°27	19°54	8°53	17°49	10°47	12° 1	10°56	n.a.	W 5
T 6	22 30 44	5°40'39	13°37	16°51	24°56	15°25	26°54	17°25	19°53	8°54	17°48	10°41	11°58	11° 2	n.a.	T 6
F 7	22 34 40	6°40'09	26° 3	18°26	25°29	15°56	26°47	17°23	19°53	8°55	17°47	10°38	11°55	11° 9	n.a.	F 7
S 8	22 38 37	7°39'40	8♏42	20° 0	26° 4	16°27	26°40	17°21	19°53	8°56	17°46	10°D37	11°52	11°16	n.a.	S 8
S 9	22 42 33	8°39'14	21°37	21°34	26°40	16°57	26°32	17°19	19°53	8°58	17°45	10°37	11°49	11°23	n.a.	S 9
M10	22 46 30	9°38'49	4♐51	23° 7	27°17	17°27	26°25	17°17	19°52	8°59	17°44	10°R38	11°45	11°29	n.a.	M10
T 11	22 50 26	10°38'27	18°26	24°40	27°56	17°57	26°17	17°15	19°52	9° 0	17°43	10°37	11°42	11°36	n.a.	T 11
W12	22 54 23	11°38'06	2♑26	26°11	28°36	18°27	26°10	17°14	19°51	9° 2	17°41	10°35	11°39	11°43	n.a.	W12
T 13	22 58 19	12°37'47	16°49	27°42	29°17	18°57	26° 2	17°12	19°51	9° 3	17°40	10°31	11°36	11°49	n.a.	T 13
F 14	23 2 16	13°37'30	1♒34	29°12	29°59	19°26	25°54	17°10	19°50	9° 5	17°39	10°25	11°33	11°56	n.a.	F 14
S 15	23 6 13	14°37'15	16°35	0♎42	0♌42	19°55	25°46	17° 9	19°50	9° 6	17°38	10°17	11°29	12° 3	n.a.	S 15
S 16	23 10 9	15°37'01	1♓42	2°11	1°27	20°24	25°38	17° 8	19°49	9° 8	17°37	10° 8	11°26	12°10	n.a.	S 16
M17	23 14 6	16°36'50	16°46	3°39	2°12	20°52	25°31	17° 6	19°48	9° 9	17°36	10° 0	11°23	12°16	n.a.	M17
T 18	23 18 2	17°36'41	1♈38	5° 7	2°58	21°21	25°23	17° 5	19°48	9°11	17°35	9°53	11°20	12°23	n.a.	T 18
W19	23 21 59	18°36'33	16° 9	6°34	3°45	21°49	25°14	17° 4	19°47	9°12	17°34	9°49	11°17	12°30	n.a.	W19
T 20	23 25 55	19°36'28	0♉13	8° 0	4°33	22°17	25° 6	17° 3	19°46	9°14	17°33	9°46	11°14	12°36	n.a.	T 20
F 21	23 29 52	20°36'26	13°49	9°25	5°22	22°44	24°58	17° 3	19°45	9°15	17°32	9°D46	11°10	12°43	n.a.	F 21
S 22	23 33 48	21°36'25	26°58	10°50	6°12	23°12	24°50	17° 2	19°44	9°17	17°31	9°47	11° 7	12°50	n.a.	S 22
S 23	23 37 45	22°36'27	9♊43	12°14	7° 3	23°39	24°42	17° 1	19°43	9°19	17°30	9°48	11° 4	12°57	n.a.	S 23
M24	23 41 42	23°36'32	22° 7	13°37	7°54	24° 6	24°34	17° 1	19°42	9°20	17°29	9°R49	11° 1	13° 3	n.a.	M24
T 25	23 45 38	24°36'38	4♋16	14°59	8°46	24°32	24°26	17° 0	19°41	9°22	17°28	9°48	10°58	13°10	n.a.	T 25
W26	23 49 35	25°36'47	16°15	16°20	9°39	24°59	24°18	17° 0	19°40	9°24	17°27	9°46	10°54	13°17	n.a.	W26
T 27	23 53 31	26°36'58	28° 8	17°40	10°33	25°24	24° 9	17° 0	19°38	9°26	17°26	9°42	10°51	13°24	n.a.	T 27
F 28	23 57 28	27°37'11	9♌59	18°59	11°27	25°50	24° 1	17°D 0	19°37	9°27	17°25	9°36	10°48	13°30	n.a.	F 28
S 29	0 1 24	28°37'26	21°52	20°16	12°22	26°15	23°53	17° 0	19°36	9°29	17°25	9°28	10°45	13°37	n.a.	S 29
S 30	0 5 21	29♍37'43	3♍50	21♎33	13♌17	26♊41	23♓45	17♑ 0	19♉34	9♏31	17♒24	9♉20	10♉42	13♌44	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n22	21n52	5n 1	9n 6	0n44	16n41	5s15	22n49	0n10	2s38	1s45	23s36	1s 1	17n47	0s11	12s58	1n45	30s42	15s53	15n31	15n43	22n48		n.a.
S 2	11 1	17 53	4 52	8 22	0 38	16 46	5 6	22 55	0 11	2 41	1 46	23 37	1 1	17 47	0 11	12 59	1 45	30 42	15 53	15 27	15 42	22 46		n.a.
M 3	10 39	13 11	4 31	7 38	0 32	16 51	4 56	23 0	0 13	2 43	1 46	23 37	1 1	17 47	0 11	12 59	1 45	30 42	15 53	15 23	15 41	22 44		n.a.
T 4	10 18	7 58	3 57	6 55	0 25	16 56	4 46	23 5	0 14	2 46	1 46	23 37	1 1	17 47	0 11	12 59	1 45	30 43	15 53	15 19	15 40	22 42		n.a.
W 5	9 56	2 24	3 13	6 11	0 19	17 0	4 37	23 9	0 15	2 49	1 46	23 38	1 1	17 47	0 11	13 0	1 45	30 43	15 53	15 16	15 39	22 40		n.a.
T 6	9 34	3s19	2 18	5 27	0 12	17 4	4 27	23 14	0 16	2 52	1 46	23 38	1 1	17 47	0 11	13 0	1 45	30 43	15 53	15 14	15 38	22 38		n.a.
F 7	9 11	9 1	1 17	4 43	0 5	17 7	4 18	23 19	0 17	2 55	1 46	23 38	1 1	17 47	0 11	13 1	1 45	30 44	15 53	15 13	15 37	22 36		n.a.
S 8	8 49	14 27	0 10	3 59	0s 2	17 10	4 8	23 23	0 19	2 58	1 46	23 38	1 1	17 47	0 11	13 1	1 45	30 44	15 53	15 13	15 36	22 35		n.a.
S 9	8 26	19 22	0s58	3 16	0 9	17 13	3 59	23 27	0 20	3 1	1 46	23 39	1 1	17 47	0 11	13 2	1 45	30 44	15 52	15 13	15 35	22 33		n.a.
M10	8 4	23 28	2 6	2 32	0 15	17 15	3 49	23 31	0 21	3 4	1 47	23 39	1 1	17 46	0 11	13 2	1 45	30 44	15 52	15 13	15 34	22 31		n.a.
T 11	7 41	26 23	3 8	1 49	0 22	17 16	3 40	23 36	0 22	3 7	1 47	23 39	1 1	17 46	0 11	13 3	1 45	30 45	15 52	15 13	15 33	22 29		n.a.
W12	7 18	27 46	4 0	1 5	0 29	17 17	3 31	23 39	0 24	3 10	1 47	23 39	1 1	17 46	0 11	13 3	1 45	30 45	15 52	15 12	15 32	22 27		n.a.
T 13	6 55	27 19	4 40	0 22	0 36	17 18	3 22	23 43	0 25	3 14	1 47	23 40	1 1	17 46	0 11	13 4	1 45	30 45	15 52	15 11	15 31	22 25		n.a.
F 14	6 32	24 59	5 1	0s20	0 43	17 18	3 13	23 47	0 26	3 17	1 47	23 40	1 1	17 46	0 11	13 4	1 45	30 45	15 52	15 9	15 31	22 23		n.a.
S 15	6 8	20 54	5 3	1 3	0 50	17 17	3 4	23 51	0 27	3 20	1 47	23 40	1 1	17 46	0 11	13 5	1 45	30 46	15 52	15 7	15 30	22 21		n.a.
S 16	5 45	15 26	4 44	1 45	0 57	17 16	2 55	23 54	0 29	3 23	1 47	23 40	1 1	17 46	0 11	13 5	1 45	30 46	15 52	15 4	15 29	22 19		n.a.
M17	5 21	9 3	4 5	2 27	1 4	17 15	2 46	23 58	0 30	3 26	1 47	23 40	1 1	17 45	0 11	13 6	1 45	30 46	15 51	15 1	15 28	22 17		n.a.
T 18	4 58	2 14	3 10	3 8	1 11	17 13	2 38	24 1	0 31	3 30	1 47	23 40	1 1	17 45	0 11	13 6	1 45	30 46	15 51	14 59	15 27	22 15		n.a.
W19	4 34	4n32	2 3	3 49	1 17	17 10	2 29	24 4	0 33	3 33	1 47	23 40	1 1	17 45	0 11	13 7	1 44	30 46	15 51	14 58	15 26	22 13		n.a.
T 20	4 10	10 55	0 51	4 30	1 24	17 7	2 21	24 7	0 34	3 36	1 47	23 41	1 1	17 45	0 11	13 8	1 44	30 47	15 51	14 57	15 25	22 11		n.a.
F 21	3 46	16 33	0n22	5 10	1 30	17 3	2 12	24 10	0 36	3 39	1 47	23 41	1 1	17 44	0 11	13 8	1 44	30 47	15 51	14 57	15 24	22 9		n.a.
S 22	3 22	21 14	1 31	5 50	1 37	16 59	2 4	24 13	0 37	3 43	1 47	23 41	1 1	17 44	0 11	13 9	1 44	30 47	15 50	14 57	15 23	22 7		n.a.
S 23	2 58	24 46	2 34	6 29	1 43	16 54	1 56	24 16	0 39	3 46	1 47	23 41	1 1	17 44	0 11	13 9	1 44	30 47	15 50	14 57	15 22	22 5		n.a.
M24	2 34	27 0	3 28	7 7	1 49	16 49	1 48	24 18	0 40	3 49	1 47	23 41	1 1	17 44	0 11	13 10	1 44	30 47	15 50	14 58	15 21	22 3		n.a.
T 25	2 10	27 54	4 12	7 45	1 55	16 43	1 40	24 21	0 41	3 52	1 47	23 41	1 1	17 43	0 11	13 10	1 44	30 47	15 50	14 58	15 20	22 1		n.a.
W26	1 46	27 27	4 43	8 22	2 1	16 36	1 32	24 24	0 43	3 56	1 47	23 41	1 1	17 43	0 11	13 11	1 44	30 47	15 50	14 57	15 19	21 59		n.a.
T 27	1 22	25 46	5 2	8 58	2 6	16 29	1 25	24 26	0 44	3 59	1 47	23 41	1 1	17 43	0 11	13 12	1 44	30 47	15 49	14 55	15 18	21 57		n.a.
F 28	0 58	22 56	5 9	9 33	2 12	16 21	1 17	24 29	0 46	4 2	1 47	23 41	1 1	17 42	0 11	13 12	1 44	30 48	15 49	14 53	15 17	21 55		n.a.
S 29	0 33	19 9	5 2	10 8	2 17	16 13	1 10	24 31	0 47	4 5	1 47	23 41	1 1	17 42	0 11	13 13	1 44	30 48	15 49	14 51	15 15	21 53		n.a.
S 30	0n 9	14n36	4n41	10s42	2s21	16n 4	1s 2	24n33	0n49	4s 8	1s47	23s41	1s 1	17n42	0s11	13s13	1n44	30s48	15s49	14n48	15n14	21n51		n.a.

Julian Day Number = 1480966.5, Delta T = 05h22m46s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'56, Lahiri = -13°02'56 Julian Calendar 1 Sept. 659 BCE == Greg. Calendar 25 Aug. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

OCTOBER 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 9 17	0♎38'03	15♍54	22♎47	14♌13	27♊ 5	23°R37	17♑ 0	19°R33	9♏33	17°R23	9°R13	10♉39	13♌50	n.a.	M 1
T 2	0 13 14	1°38'24	28° 7	24° 1	15°10	27°30	23♓29	17° 0	19♉32	9°35	17♒22	9♉ 6	10°35	13°57	n.a.	T 2
W 3	0 17 10	2°38'47	10♎30	25°12	16° 7	27°54	23°21	17° 1	19°30	9°37	17°21	9° 1	10°32	14° 4	n.a.	W 3
T 4	0 21 7	3°39'12	23° 2	26°21	17° 5	28°17	23°13	17° 1	19°29	9°39	17°20	8°58	10°29	14°11	n.a.	T 4
F 5	0 25 4	4°39'38	5♏45	27°28	18° 3	28°41	23° 5	17° 2	19°27	9°41	17°20	8°D57	10°26	14°17	n.a.	F 5
S 6	0 29 0	5°40'06	18°41	28°33	19° 2	29° 4	22°58	17° 3	19°25	9°42	17°19	8°57	10°23	14°24	n.a.	S 6
S 7	0 32 57	6°40'36	1♐49	29°35	20° 1	29°26	22°50	17° 4	19°24	9°44	17°18	8°58	10°20	14°31	n.a.	S 7
M 8	0 36 53	7°41'08	15°11	0♏33	21° 1	29°49	22°42	17° 5	19°22	9°46	17°18	9° 0	10°16	14°38	n.a.	M 8
T 9	0 40 50	8°41'40	28°49	1°28	22° 1	0♋10	22°35	17° 6	19°20	9°48	17°17	9° 1	10°13	14°44	n.a.	T 9
W10	0 44 46	9°42'15	12♑43	2°19	23° 2	0°32	22°27	17° 7	19°19	9°50	17°16	9°R 2	10°10	14°51	n.a.	W10
T 11	0 48 43	10°42'50	26°53	3° 5	24° 3	0°53	22°20	17° 8	19°17	9°52	17°16	9° 1	10° 7	14°58	n.a.	T 11
F 12	0 52 39	11°43'27	11♒17	3°46	25° 4	1°14	22°13	17°10	19°15	9°54	17°15	8°58	10° 4	15° 4	n.a.	F 12
S 13	0 56 36	12°44'05	25°53	4°22	26° 6	1°34	22° 5	17°11	19°13	9°57	17°14	8°55	10° 0	15°11	n.a.	S 13
S 14	1 0 33	13°44'45	10♓34	4°51	27° 8	1°54	21°58	17°13	19°11	9°59	17°14	8°52	9°57	15°18	n.a.	S 14
M15	1 4 29	14°45'26	25°14	5°13	28°11	2°13	21°52	17°14	19° 9	10° 1	17°13	8°48	9°54	15°25	n.a.	M15
T 16	1 8 26	15°46'08	9♈46	5°27	29°14	2°32	21°45	17°16	19° 7	10° 3	17°13	8°45	9°51	15°31	n.a.	T 16
W17	1 12 22	16°46'51	24° 3	5°R32	0♍17	2°51	21°38	17°18	19° 5	10° 5	17°12	8°43	9°48	15°38	n.a.	W17
T 18	1 16 19	17°47'37	8♉ 1	5°28	1°21	3° 9	21°31	17°20	19° 3	10° 7	17°12	8°D43	9°45	15°45	n.a.	T 18
F 19	1 20 15	18°48'23	21°36	5°15	2°25	3°27	21°25	17°22	19° 1	10° 9	17°11	8°43	9°41	15°51	n.a.	F 19
S 20	1 24 12	19°49'12	4♊47	4°50	3°30	3°44	21°19	17°24	18°59	10°11	17°11	8°44	9°38	15°58	n.a.	S 20
S 21	1 28 8	20°50'02	17°36	4°15	4°34	4° 1	21°13	17°27	18°57	10°13	17°10	8°46	9°35	16° 5	n.a.	S 21
M22	1 32 5	21°50'54	0♋ 5	3°29	5°39	4°17	21° 7	17°29	18°54	10°16	17°10	8°47	9°32	16°12	n.a.	M22
T 23	1 36 2	22°51'47	12°18	2°34	6°45	4°33	21° 1	17°31	18°52	10°18	17° 9	8°48	9°29	16°18	n.a.	T 23
W24	1 39 58	23°52'42	24°19	1°28	7°50	4°48	20°55	17°34	18°50	10°20	17° 9	8°R49	9°26	16°25	n.a.	W24
T 25	1 43 55	24°53'38	6♌13	0°16	8°56	5° 3	20°50	17°37	18°48	10°22	17° 9	8°48	9°22	16°32	n.a.	T 25
F 26	1 47 51	25°54'36	18° 5	28♎57	10° 3	5°17	20°44	17°40	18°45	10°24	17° 8	8°47	9°19	16°39	n.a.	F 26
S 27	1 51 48	26°55'35	29°59	27°35	11° 9	5°31	20°39	17°42	18°43	10°27	17° 8	8°46	9°16	16°45	n.a.	S 27
S 28	1 55 44	27°56'35	12♍ 0	26°13	12°16	5°44	20°34	17°45	18°41	10°29	17° 8	8°44	9°13	16°52	n.a.	S 28
M29	1 59 41	28°57'37	24°10	24°53	13°23	5°56	20°29	17°48	18°38	10°31	17° 7	8°43	9°10	16°59	n.a.	M29
T 30	2 3 37	29°58'40	6♎32	23°37	14°30	6° 8	20°25	17°52	18°36	10°33	17° 7	8°41	9° 6	17° 5	n.a.	T 30
W31	2 7 34	0♏59'44	19♎ 8	22♎29	15♍37	6♋19	20♓20	17♑55	18♉34	10♏35	17♒ 7	8♉40	9♉ 3	17♌12	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	0s15	9n26	4n 8	11s14	2s26	15n55	0s55	24n35	0n51	4s12	1s46	23s41	1s 1	17n41	0s11	13s14	1n44	30s48	15s49	14n46	15n13	21n49		n.a.	M 1
T 2	0 40	3 52	3 24	11 46	2 30	15 45	0 48	24 37	0 52	4 15	1 46	23 41	1 1	17 41	0 11	13 15	1 44	30 48	15 48	14 44	15 12	21 47		n.a.	T 2
W 3	1 4	1s56	2 29	12 16	2 34	15 34	0 41	24 39	0 54	4 18	1 46	23 41	1 1	17 40	0 11	13 15	1 44	30 48	15 48	14 42	15 11	21 45		n.a.	W 3
T 4	1 28	7 45	1 26	12 45	2 37	15 23	0 35	24 41	0 55	4 21	1 46	23 41	1 1	17 40	0 11	13 16	1 44	30 48	15 48	14 41	15 10	21 43		n.a.	T 4
F 5	1 53	13 21	0 17	13 12	2 40	15 11	0 28	24 43	0 57	4 24	1 46	23 40	1 1	17 40	0 11	13 17	1 44	30 48	15 48	14 41	15 9	21 40		n.a.	F 5
S 6	2 17	18 28	0s53	13 38	2 42	14 59	0 21	24 45	0 59	4 27	1 46	23 40	1 1	17 39	0 11	13 17	1 44	30 48	15 47	14 41	15 8	21 38		n.a.	S 6
S 7	2 41	22 48	2 2	14 2	2 44	14 47	0 15	24 47	1 0	4 30	1 46	23 40	1 1	17 39	0 11	13 18	1 44	30 48	15 47	14 41	15 7	21 36		n.a.	S 7
M 8	3 5	26 0	3 5	14 24	2 45	14 33	0 9	24 49	1 2	4 33	1 46	23 40	1 0	17 38	0 11	13 19	1 44	30 48	15 47	14 42	15 6	21 34		n.a.	M 8
T 9	3 30	27 46	3 59	14 44	2 46	14 19	0 3	24 50	1 4	4 36	1 45	23 40	1 0	17 38	0 11	13 19	1 44	30 48	15 47	14 42	15 5	21 32		n.a.	T 9
W10	3 54	27 49	4 41	15 2	2 46	14 5	0n 3	24 52	1 6	4 39	1 45	23 40	1 0	17 37	0 11	13 20	1 44	30 48	15 46	14 42	15 4	21 30		n.a.	W10
T 11	4 18	26 5	5 6	15 17	2 44	13 50	0 9	24 54	1 7	4 41	1 45	23 40	1 0	17 37	0 11	13 21	1 44	30 48	15 46	14 42	15 3	21 28		n.a.	T 11
F 12	4 42	22 38	5 13	15 29	2 42	13 35	0 15	24 55	1 9	4 44	1 45	23 39	1 0	17 36	0 11	13 21	1 44	30 48	15 46	14 41	15 2	21 26		n.a.	F 12
S 13	5 6	17 45	5 0	15 39	2 39	13 19	0 20	24 57	1 11	4 47	1 45	23 39	1 0	17 36	0 11	13 22	1 43	30 48	15 45	14 40	15 1	21 24		n.a.	S 13
S 14	5 30	11 49	4 27	15 45	2 35	13 3	0 26	24 59	1 13	4 49	1 45	23 39	1 0	17 35	0 11	13 23	1 43	30 48	15 45	14 39	15 0	21 21		n.a.	S 14
M15	5 54	5 14	3 37	15 47	2 30	12 46	0 31	25 0	1 15	4 52	1 44	23 39	1 0	17 35	0 11	13 23	1 43	30 48	15 45	14 38	14 59	21 19		n.a.	M15
T 16	6 17	1n35	2 33	15 46	2 23	12 28	0 36	25 2	1 17	4 55	1 44	23 38	1 0	17 34	0 11	13 24	1 43	30 47	15 45	14 37	14 58	21 17		n.a.	T 16
W17	6 41	8 13	1 20	15 40	2 15	12 10	0 42	25 3	1 19	4 57	1 44	23 38	1 0	17 33	0 11	13 25	1 43	30 47	15 44	14 36	14 57	21 15		n.a.	W17
T 18	7 5	14 19	0 4	15 30	2 5	11 52	0 46	25 5	1 20	4 59	1 44	23 38	1 0	17 33	0 11	13 25	1 43	30 47	15 44	14 36	14 56	21 13		n.a.	T 18
F 19	7 28	19 33	1n10	15 14	1 54	11 33	0 51	25 6	1 22	5 2	1 44	23 38	1 0	17 32	0 11	13 26	1 43	30 47	15 44	14 36	14 55	21 11		n.a.	F 19
S 20	7 51	23 40	2 19	14 54	1 41	11 14	0 56	25 8	1 24	5 4	1 43	23 37	1 0	17 32	0 11	13 27	1 43	30 47	15 43	14 37	14 54	21 9		n.a.	S 20
S 21	8 15	26 29	3 18	14 28	1 26	10 54	1 0	25 9	1 26	5 6	1 43	23 37	1 0	17 31	0 11	13 28	1 43	30 47	15 43	14 37	14 53	21 6		n.a.	S 21
M22	8 38	27 53	4 7	13 57	1 10	10 34	1 5	25 11	1 28	5 9	1 43	23 37	1 0	17 31	0 11	13 28	1 43	30 47	15 43	14 38	14 52	21 4		n.a.	M22
T 23	9 1	27 54	4 43	13 21	0 52	10 14	1 9	25 12	1 31	5 11	1 43	23 36	1 0	17 30	0 11	13 29	1 43	30 47	15 42	14 38	14 51	21 2		n.a.	T 23
W24	9 24	26 34	5 6	12 40	0 33	9 53	1 13	25 14	1 33	5 13	1 42	23 36	1 0	17 29	0 11	13 30	1 43	30 46	15 42	14 38	14 50	21 0		n.a.	W24
T 25	9 46	24 4	5 16	11 55	0 13	9 31	1 17	25 15	1 35	5 15	1 42	23 35	1 0	17 29	0 11	13 30	1 43	30 46	15 42	14 38	14 49	20 58		n.a.	T 25
F 26	10 9	20 33	5 12	11 8	0n 8	9 10	1 21	25 17	1 37	5 17	1 42	23 35	1 0	17 28	0 11	13 31	1 43	30 46	15 42	14 38	14 48	20 55		n.a.	F 26
S 27	10 31	16 13	4 55	10 19	0 28	8 47	1 25	25 19	1 39	5 18	1 42	23 35	1 0	17 27	0 11	13 32	1 43	30 46	15 41	14 37	14 47	20 53		n.a.	S 27
S 28	10 53	11 13	4 25	9 30	0 49	8 25	1 28	25 20	1 41	5 20	1 41	23 34	1 0	17 27	0 11	13 33	1 43	30 46	15 41	14 37	14 46	20 51		n.a.	S 28
M29	11 15	5 44	3 42	8 43	1 8	8 2	1 32	25 22	1 43	5 22	1 41	23 34	1 0	17 26	0 11	13 33	1 43	30 45	15 41	14 36	14 45	20 49		n.a.	M29
T 30	11 37	0s 3	2 49	7 58	1 26	7 39	1 35	25 23	1 46	5 23	1 41	23 33	1 0	17 26	0 11	13 34	1 43	30 45	15 40	14 36	14 44	20 46		n.a.	T 30
W31	11s59	5s58	1n46	7s18	1n42	7n15	1n38	25n25	1n48	5s25	1s40	23s33	1s 0	17n25	0s11	13s35	1n43	30s45	15s40	14n36	14n43	20n44		n.a.	W31

Julian Day Number = 1480996.5, Delta T = 05h22m44s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'52, Lahiri = -13°02'52 Julian Calendar 1 Oct. 659 BCE == Greg. Calendar 24 Sept. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

NOVEMBER 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 11 31	2♏ 0'49	1♏59	21°R30	16♍45	6♋30	20°R16	17♑58	18°R31	10♏38	17°R 7	8°R40	9♉ 0	17♌19	n.a.	T 1
F 2	2 15 27	3° 1'56	15° 5	20♎42	17°53	6°40	20♓12	18° 2	18♉29	10°40	17♒ 7	8°D40	8°57	17°26	n.a.	F 2
S 3	2 19 24	4° 3'03	28°25	20° 4	19° 1	6°49	20° 8	18° 5	18°26	10°42	17° 7	8♉40	8°54	17°32	n.a.	S 3
S 4	2 23 20	5° 4'11	11♐58	19°38	20° 9	6°58	20° 4	18° 9	18°24	10°44	17° 6	8°41	8°51	17°39	n.a.	S 4
M 5	2 27 17	6° 5'20	25°42	19°24	21°18	7° 6	20° 0	18°13	18°21	10°47	17° 6	8°41	8°47	17°46	n.a.	M 5
T 6	2 31 13	7° 6'29	9♑35	19°D20	22°26	7°14	19°57	18°16	18°19	10°49	17° 6	8°41	8°44	17°53	n.a.	T 6
W 7	2 35 10	8° 7'39	23°37	19°26	23°35	7°20	19°54	18°20	18°16	10°51	17° 6	8°41	8°41	17°59	n.a.	W 7
T 8	2 39 6	9° 8'49	7♒45	19°42	24°44	7°26	19°51	18°24	18°14	10°54	17°D 6	8°41	8°38	18° 6	n.a.	T 8
F 9	2 43 3	10°10'00	21°57	20° 6	25°53	7°32	19°48	18°28	18°11	10°56	17° 6	8°41	8°35	18°13	n.a.	F 9
S 10	2 47 0	11°11'11	6♓12	20°38	27° 3	7°36	19°46	18°33	18° 9	10°58	17° 6	8°41	8°31	18°19	n.a.	S 10
S 11	2 50 56	12°12'22	20°25	21°17	28°12	7°40	19°43	18°37	18° 6	11° 0	17° 6	8°42	8°28	18°26	n.a.	S 11
M12	2 54 53	13°13'34	4♈34	22° 2	29°22	7°44	19°41	18°41	18° 4	11° 3	17° 6	8°42	8°25	18°33	n.a.	M12
T 13	2 58 49	14°14'46	18°37	22°53	0♎31	7°46	19°39	18°46	18° 1	11° 5	17° 7	8°43	8°22	18°40	n.a.	T 13
W14	3 2 46	15°15'58	2♉28	23°48	1°41	7°48	19°38	18°50	17°59	11° 7	17° 7	8°R43	8°19	18°46	n.a.	W14
T 15	3 6 42	16°17'11	16° 6	24°48	2°52	7°49	19°36	18°55	17°56	11° 9	17° 7	8°43	8°16	18°53	n.a.	T 15
F 16	3 10 39	17°18'24	29°28	25°52	4° 2	7°R49	19°35	18°59	17°53	11°12	17° 7	8°42	8°12	19° 0	n.a.	F 16
S 17	3 14 36	18°19'38	12♊32	26°58	5°12	7°48	19°34	19° 4	17°51	11°14	17° 7	8°41	8° 9	19° 6	n.a.	S 17
S 18	3 18 32	19°20'53	25°19	28° 8	6°23	7°47	19°33	19° 9	17°48	11°16	17° 7	8°40	8° 6	19°13	n.a.	S 18
M19	3 22 29	20°22'08	7♋48	29°20	7°33	7°45	19°32	19°14	17°46	11°18	17° 8	8°38	8° 3	19°20	n.a.	M19
T 20	3 26 25	21°23'23	20° 3	0♏34	8°44	7°42	19°32	19°19	17°43	11°21	17° 8	8°37	8° 0	19°27	n.a.	T 20
W21	3 30 22	22°24'39	2♌ 6	1°50	9°55	7°38	19°31	19°24	17°41	11°23	17° 8	8°35	7°57	19°33	n.a.	W21
T 22	3 34 18	23°25'55	14° 1	3° 8	11° 6	7°34	19°D31	19°29	17°38	11°25	17° 9	8°34	7°53	19°40	n.a.	T 22
F 23	3 38 15	24°27'12	25°53	4°27	12°17	7°28	19°32	19°34	17°36	11°27	17° 9	8°D34	7°50	19°47	n.a.	F 23
S 24	3 42 11	25°28'29	7♍47	5°48	13°28	7°22	19°32	19°39	17°33	11°30	17° 9	8°34	7°47	19°54	n.a.	S 24
S 25	3 46 8	26°29'46	19°47	7°10	14°40	7°15	19°32	19°45	17°30	11°32	17°10	8°35	7°44	20° 0	n.a.	S 25
M26	3 50 5	27°31'03	1♎58	8°33	15°51	7° 7	19°33	19°50	17°28	11°34	17°10	8°37	7°41	20° 7	n.a.	M26
T 27	3 54 1	28°32'21	14°24	9°57	17° 3	6°59	19°34	19°55	17°25	11°36	17°11	8°39	7°37	20°14	n.a.	T 27
W28	3 57 58	29°33'39	27° 9	11°22	18°14	6°49	19°35	20° 1	17°23	11°38	17°11	8°40	7°34	20°20	n.a.	W28
T 29	4 1 54	0♐34'57	10♏14	12°47	19°26	6°39	19°37	20° 6	17°20	11°41	17°12	8°R40	7°31	20°27	n.a.	T 29
F 30	4 5 51	1♐36'15	23♏39	14♏13	20♎38	6♋28	19♓38	20♑12	17♉18	11♏43	17♒12	8♉39	7♉28	20♌34	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s20	11s45	0n37	6s42	1n57	6n51	1n41	25n27	1n50	5s26	1s40	23s32	1s 0	17n24	0s11	13s35	1n43	30s45	15s40	14n35	14n42	20n42		n.a.
F 2	12 42	17 9	0s36	6 12	2 9	6 27	1 44	25 29	1 52	5 28	1 40	23 32	1 0	17 23	0 11	13 36	1 43	30 44	15 39	14 35	14 41	20 40		n.a.
S 3	13 3	21 50	1 47	5 49	2 19	6 3	1 47	25 31	1 55	5 29	1 40	23 31	1 0	17 23	0 11	13 37	1 43	30 44	15 39	14 35	14 40	20 38		n.a.
S 4	13 24	25 25	2 54	5 31	2 27	5 38	1 50	25 32	1 57	5 30	1 39	23 31	1 0	17 22	0 11	13 38	1 43	30 44	15 39	14 36	14 39	20 35		n.a.
M 5	13 44	27 34	3 52	5 20	2 33	5 13	1 52	25 34	2 0	5 31	1 39	23 30	1 0	17 21	0 11	13 38	1 43	30 44	15 38	14 36	14 38	20 33		n.a.
T 6	14 5	28 2	4 37	5 14	2 38	4 48	1 55	25 36	2 2	5 32	1 39	23 30	1 0	17 21	0 11	13 39	1 43	30 43	15 38	14 36	14 37	20 31		n.a.
W 7	14 25	26 42	5 6	5 14	2 40	4 22	1 57	25 38	2 4	5 33	1 38	23 29	1 0	17 20	0 11	13 40	1 43	30 43	15 38	14 36	14 36	20 28		n.a.
T 8	14 45	23 41	5 17	5 19	2 42	3 56	1 59	25 41	2 7	5 34	1 38	23 29	1 0	17 19	0 11	13 40	1 43	30 43	15 37	14 36	14 35	20 26		n.a.
F 9	15 4	19 14	5 9	5 29	2 41	3 30	2 1	25 43	2 9	5 35	1 38	23 28	1 0	17 19	0 11	13 41	1 43	30 42	15 37	14 36	14 34	20 24		n.a.
S 10	15 24	13 43	4 41	5 42	2 40	3 4	2 3	25 45	2 12	5 36	1 37	23 28	1 0	17 18	0 11	13 42	1 43	30 42	15 37	14 36	14 33	20 22		n.a.
S 11	15 43	7 28	3 57	5 59	2 38	2 38	2 5	25 47	2 14	5 36	1 37	23 27	1 0	17 17	0 11	13 43	1 43	30 42	15 36	14 36	14 32	20 19		n.a.
M12	16 2	0 53	2 58	6 19	2 35	2 11	2 7	25 50	2 17	5 37	1 37	23 26	1 0	17 17	0 11	13 43	1 43	30 41	15 36	14 36	14 31	20 17		n.a.
T 13	16 20	5n43	1 49	6 42	2 31	1 45	2 8	25 52	2 20	5 37	1 36	23 26	1 0	17 16	0 11	13 44	1 43	30 41	15 36	14 36	14 30	20 15		n.a.
W14	16 39	11 58	0 35	7 7	2 26	1 18	2 10	25 54	2 22	5 38	1 36	23 25	1 0	17 15	0 11	13 45	1 43	30 41	15 35	14 36	14 28	20 12		n.a.
T 15	16 57	17 32	0n41	7 33	2 21	0 51	2 11	25 57	2 25	5 38	1 36	23 24	1 0	17 14	0 11	13 45	1 43	30 40	15 35	14 36	14 27	20 10		n.a.
F 16	17 14	22 9	1 52	8 2	2 15	0 23	2 12	26 0	2 27	5 38	1 35	23 24	1 0	17 14	0 11	13 46	1 43	30 40	15 35	14 36	14 26	20 8		n.a.
S 17	17 32	25 32	2 57	8 32	2 9	0s 4	2 13	26 2	2 30	5 38	1 35	23 23	1 0	17 13	0 11	13 47	1 43	30 39	15 34	14 36	14 25	20 5		n.a.
S 18	17 49	27 32	3 50	9 3	2 3	0 31	2 14	26 5	2 33	5 39	1 35	23 22	1 0	17 12	0 11	13 48	1 43	30 39	15 34	14 35	14 24	20 3		n.a.
M19	18 5	28 4	4 32	9 35	1 56	0 59	2 15	26 8	2 35	5 38	1 34	23 22	1 0	17 11	0 11	13 48	1 43	30 39	15 34	14 35	14 23	20 1		n.a.
T 20	18 22	27 11	5 0	10 8	1 49	1 26	2 15	26 11	2 38	5 38	1 34	23 21	1 0	17 11	0 11	13 49	1 43	30 38	15 33	14 34	14 22	19 58		n.a.
W21	18 38	25 4	5 14	10 41	1 42	1 54	2 16	26 14	2 41	5 38	1 34	23 20	1 0	17 10	0 11	13 50	1 43	30 38	15 33	14 34	14 21	19 56		n.a.
T 22	18 54	21 51	5 14	11 15	1 35	2 22	2 17	26 17	2 43	5 38	1 33	23 19	1 0	17 9	0 11	13 50	1 43	30 37	15 33	14 33	14 20	19 54		n.a.
F 23	19 9	17 47	5 2	11 49	1 27	2 50	2 17	26 20	2 46	5 37	1 33	23 19	1 0	17 9	0 11	13 51	1 43	30 37	15 32	14 33	14 19	19 51		n.a.
S 24	19 24	13 1	4 36	12 23	1 20	3 17	2 17	26 23	2 49	5 37	1 33	23 18	1 0	17 8	0 11	13 52	1 43	30 37	15 32	14 34	14 18	19 49		n.a.
S 25	19 39	7 44	3 58	12 57	1 12	3 45	2 17	26 26	2 51	5 36	1 32	23 17	1 0	17 7	0 11	13 52	1 43	30 36	15 32	14 34	14 17	19 47		n.a.
M26	19 53	2 5	3 9	13 32	1 5	4 13	2 17	26 29	2 54	5 36	1 32	23 16	1 0	17 7	0 11	13 53	1 43	30 36	15 31	14 34	14 16	19 44		n.a.
T 27	20 7	3s46	2 10	14 6	0 57	4 41	2 17	26 32	2 57	5 35	1 32	23 15	1 0	17 6	0 11	13 54	1 43	30 35	15 31	14 35	14 15	19 42		n.a.
W28	20 20	9 37	1 3	14 40	0 50	5 9	2 17	26 35	3 0	5 34	1 31	23 15	1 0	17 5	0 11	13 54	1 43	30 35	15 31	14 35	14 14	19 39		n.a.
T 29	20 34	15 14	0s 9	15 13	0 42	5 36	2 17	26 38	3 2	5 34	1 31	23 14	1 0	17 4	0 11	13 55	1 43	30 34	15 30	14 35	14 13	19 37		n.a.
F 30	20s46	20s16	1s22	15s47	0n35	6s 4	2n16	26n42	3n 5	5s33	1s31	23s13	1s 0	17n 4	0s11	13s56	1n43	30s34	15s30	14n35	14n12	19n35		n.a.

Julian Day Number = 1481027.5, Delta T = 05h22m43s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'48, Lahiri = -13°02'48 Julian Calendar 1 Nov. 659 BCE == Greg. Calendar 25 Oct. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 659 BCE
geocentric

DECEMBER 659 BCE (-658) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 9 47	2♐37'33	7♐24	15♏40	21♎50	6°R16	19♓40	20♑18	17°R15	11♏45	17♒13	8°R37	7♉25	20♌41	n.a.	S 1
S 2	4 13 44	3°38'51	21°26	17° 8	23° 2	6♋ 3	19°42	20°24	17♉13	11°47	17°13	8♉34	7°22	20°47	n.a.	S 2
M 3	4 17 41	4°40'09	5♑40	18°36	24°14	5°49	19°44	20°29	17°11	11°49	17°14	8°30	7°18	20°54	n.a.	M 3
T 4	4 21 37	5°41'26	20° 2	20° 5	25°26	5°35	19°47	20°35	17° 8	11°51	17°14	8°26	7°15	21° 1	n.a.	T 4
W 5	4 25 34	6°42'43	4♒25	21°34	26°38	5°20	19°49	20°41	17° 6	11°53	17°15	8°23	7°12	21° 7	n.a.	W 5
T 6	4 29 30	7°43'58	18°46	23° 4	27°51	5° 4	19°52	20°47	17° 3	11°55	17°16	8°20	7° 9	21°14	n.a.	T 6
F 7	4 33 27	8°45'13	3♓ 0	24°34	29° 3	4°48	19°55	20°53	17° 1	11°58	17°16	8°D19	7° 6	21°21	n.a.	F 7
S 8	4 37 23	9°46'28	17° 6	26° 5	0♏15	4°30	19°59	20°59	16°59	12° 0	17°17	8°19	7° 3	21°28	n.a.	S 8
S 9	4 41 20	10°47'41	1♈ 2	27°36	1°28	4°13	20° 2	21° 6	16°57	12° 2	17°18	8°20	6°59	21°34	n.a.	S 9
M10	4 45 16	11°48'54	14°47	29° 8	2°40	3°54	20° 6	21°12	16°54	12° 4	17°19	8°21	6°56	21°41	n.a.	M10
T 11	4 49 13	12°50'06	28°22	0♗40	3°53	3°35	20° 9	21°18	16°52	12° 6	17°19	8°23	6°53	21°48	n.a.	T 11
W12	4 53 10	13°51'17	11♉46	2°13	5° 5	3°15	20°13	21°25	16°50	12° 8	17°20	8°R23	6°50	21°55	n.a.	W12
T 13	4 57 6	14°52'27	24°58	3°46	6°18	2°55	20°18	21°31	16°48	12°10	17°21	8°22	6°47	22° 1	n.a.	T 13
F 14	5 1 3	15°53'37	7♊58	5°19	7°31	2°34	20°22	21°37	16°45	12°12	17°22	8°19	6°43	22° 8	n.a.	F 14
S 15	5 4 59	16°54'45	20°47	6°54	8°43	2°13	20°26	21°44	16°43	12°14	17°23	8°13	6°40	22°15	n.a.	S 15
S 16	5 8 56	17°55'54	3♋22	8°28	9°56	1°51	20°31	21°50	16°41	12°16	17°24	8° 7	6°37	22°21	n.a.	S 16
M17	5 12 52	18°57'01	15°45	10° 4	11° 9	1°29	20°36	21°57	16°39	12°17	17°24	7°59	6°34	22°28	n.a.	M17
T 18	5 16 49	19°58'08	27°57	11°39	12°22	1° 6	20°41	22° 3	16°37	12°19	17°25	7°51	6°31	22°35	n.a.	T 18
W19	5 20 46	20°59'14	9♌59	13°16	13°35	0°43	20°46	22°10	16°35	12°21	17°26	7°43	6°28	22°42	n.a.	W19
T 20	5 24 42	22° 0'19	21°53	14°53	14°48	0°20	20°52	22°17	16°33	12°23	17°27	7°37	6°24	22°48	n.a.	T 20
F 21	5 28 39	23° 1'23	3♍45	16°30	16° 1	29♊57	20°58	22°24	16°31	12°25	17°28	7°33	6°21	22°55	n.a.	F 21
S 22	5 32 35	24° 2'27	15°37	18° 8	17°14	29°33	21° 3	22°30	16°29	12°27	17°29	7°31	6°18	23° 2	n.a.	S 22
S 23	5 36 32	25° 3'30	27°34	19°47	18°27	29° 9	21° 9	22°37	16°27	12°29	17°30	7°D30	6°15	23° 8	n.a.	S 23
M24	5 40 28	26° 4'32	9♎42	21°26	19°40	28°45	21°15	22°44	16°26	12°30	17°31	7°31	6°12	23°15	n.a.	M24
T 25	5 44 25	27° 5'33	22° 6	23° 7	20°54	28°21	21°22	22°51	16°24	12°32	17°32	7°32	6° 9	23°22	n.a.	T 25
W26	5 48 21	28° 6'34	4♏51	24°47	22° 7	27°57	21°28	22°58	16°22	12°34	17°33	7°R33	6° 5	23°29	n.a.	W26
T 27	5 52 18	29° 7'34	18° 0	26°29	23°20	27°33	21°35	23° 5	16°20	12°36	17°34	7°33	6° 2	23°35	n.a.	T 27
F 28	5 56 15	0♑ 8'32	1♐35	28°11	24°33	27° 9	21°42	23°12	16°19	12°37	17°36	7°30	5°59	23°42	n.a.	F 28
S 29	6 0 11	1° 9'30	15°36	29°54	25°47	26°45	21°49	23°19	16°17	12°39	17°37	7°25	5°56	23°49	n.a.	S 29
S 30	6 4 8	2°10'27	29°59	1♑37	27° 0	26°21	21°56	23°26	16°16	12°41	17°38	7°18	5°53	23°55	n.a.	S 30
M31	6 8 4	3♑11'22	14♑41	3♑21	28♏13	25♊58	22♓ 3	23♑33	16♉14	12♏42	17♒39	7♉ 9	5♉49	24♌ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s59	24s20	2s31	16s20	0n27	6s32	2n16	26n45	3n 8	5s32	1s30	23s12	1s 0	17n 3	0s11	13s56	1n43	30s33	15s30	14n35	14n11	19n32		n.a.
S 2	21 11	27 3	3 33	16 52	0 20	6 59	2 15	26 48	3 10	5 30	1 30	23 11	1 0	17 2	0 11	13 57	1 43	30 33	15 29	14 34	14 10	19 30		n.a.
M 3	21 22	28 2	4 23	17 24	0 13	7 27	2 15	26 51	3 13	5 29	1 30	23 10	1 0	17 2	0 11	13 58	1 43	30 32	15 29	14 32	14 9	19 27		n.a.
T 4	21 33	27 9	4 57	17 56	0 5	7 54	2 14	26 55	3 15	5 28	1 29	23 9	1 0	17 1	0 11	13 58	1 43	30 32	15 29	14 31	14 8	19 25		n.a.
W 5	21 44	24 28	5 12	18 26	0s 2	8 21	2 13	26 58	3 18	5 27	1 29	23 8	1 0	17 0	0 11	13 59	1 43	30 31	15 28	14 30	14 7	19 23		n.a.
T 6	21 54	20 16	5 8	18 57	0 9	8 48	2 12	27 1	3 21	5 25	1 29	23 8	1 0	17 0	0 11	14 0	1 43	30 31	15 28	14 29	14 5	19 20		n.a.
F 7	22 4	14 57	4 44	19 26	0 16	9 15	2 11	27 4	3 23	5 24	1 28	23 7	1 0	16 59	0 11	14 0	1 43	30 30	15 28	14 28	14 4	19 18		n.a.
S 8	22 14	8 54	4 4	19 55	0 23	9 42	2 10	27 7	3 25	5 22	1 28	23 6	1 0	16 58	0 11	14 1	1 43	30 30	15 27	14 28	14 3	19 15		n.a.
S 9	22 23	2 29	3 10	20 23	0 29	10 8	2 8	27 10	3 28	5 20	1 28	23 5	1 0	16 58	0 11	14 1	1 43	30 29	15 27	14 29	14 2	19 13		n.a.
M10	22 31	3n59	2 5	20 50	0 36	10 35	2 7	27 13	3 30	5 19	1 27	23 4	1 0	16 57	0 11	14 2	1 43	30 29	15 27	14 29	14 1	19 10		n.a.
T 11	22 39	10 12	0 54	21 16	0 42	11 1	2 6	27 16	3 33	5 17	1 27	23 3	1 0	16 56	0 11	14 3	1 43	30 28	15 26	14 30	14 0	19 8		n.a.
W12	22 47	15 52	0n18	21 41	0 48	11 27	2 4	27 19	3 35	5 15	1 27	23 2	1 0	16 56	0 11	14 3	1 43	30 28	15 26	14 30	13 59	19 5		n.a.
T 13	22 54	20 43	1 29	22 5	0 54	11 53	2 3	27 22	3 37	5 13	1 26	23 1	1 0	16 55	0 11	14 4	1 43	30 27	15 26	14 29	13 58	19 3		n.a.
F 14	23 1	24 28	2 34	22 29	1 0	12 18	2 1	27 24	3 39	5 11	1 26	23 0	1 0	16 55	0 11	14 4	1 43	30 26	15 26	14 28	13 57	19 0		n.a.
S 15	23 7	26 56	3 30	22 51	1 6	12 44	1 59	27 27	3 41	5 9	1 26	22 59	1 0	16 54	0 11	14 5	1 43	30 26	15 25	14 27	13 56	18 58		n.a.
S 16	23 13	27 58	4 14	23 12	1 11	13 8	1 58	27 29	3 43	5 7	1 25	22 58	1 0	16 53	0 11	14 6	1 43	30 25	15 25	14 24	13 55	18 56		n.a.
M17	23 19	27 34	4 46	23 32	1 17	13 33	1 56	27 31	3 45	5 4	1 25	22 57	1 0	16 53	0 11	14 6	1 43	30 25	15 25	14 22	13 54	18 53		n.a.
T 18	23 23	25 49	5 4	23 51	1 22	13 58	1 54	27 33	3 47	5 2	1 25	22 55	1 0	16 52	0 11	14 7	1 43	30 24	15 24	14 19	13 53	18 51		n.a.
W19	23 28	22 56	5 8	24 8	1 26	14 22	1 52	27 35	3 49	5 0	1 24	22 54	1 0	16 52	0 11	14 7	1 43	30 24	15 24	14 17	13 52	18 48		n.a.
T 20	23 32	19 7	4 59	24 25	1 31	14 45	1 50	27 37	3 50	4 57	1 24	22 53	1 0	16 51	0 11	14 8	1 43	30 23	15 24	14 15	13 51	18 46		n.a.
F 21	23 35	14 34	4 37	24 39	1 35	15 9	1 48	27 38	3 52	4 55	1 24	22 52	1 0	16 51	0 11	14 8	1 44	30 23	15 24	14 13	13 50	18 43		n.a.
S 22	23 38	9 29	4 3	24 53	1 39	15 32	1 46	27 40	3 53	4 52	1 23	22 51	1 0	16 50	0 11	14 9	1 44	30 22	15 23	14 13	13 49	18 41		n.a.
S 23	23 41	4 0	3 18	25 5	1 43	15 54	1 43	27 41	3 55	4 49	1 23	22 50	1 0	16 49	0 11	14 9	1 44	30 21	15 23	14 13	13 47	18 38		n.a.
M24	23 43	1s41	2 24	25 16	1 46	16 17	1 41	27 42	3 56	4 47	1 23	22 49	1 0	16 49	0 11	14 10	1 44	30 21	15 23	14 13	13 46	18 35		n.a.
T 25	23 45	7 27	1 22	25 25	1 49	16 39	1 39	27 43	3 57	4 44	1 22	22 48	1 0	16 48	0 10	14 10	1 44	30 20	15 23	14 13	13 45	18 33		n.a.
W26	23 46	13 5	0 15	25 32	1 52	17 0	1 36	27 44	3 58	4 41	1 22	22 47	1 0	16 48	0 10	14 11	1 44	30 20	15 22	14 14	13 44	18 30		n.a.
T 27	23 46	18 19	0s56	25 38	1 54	17 21	1 34	27 45	3 59	4 38	1 22	22 45	1 0	16 47	0 10	14 11	1 44	30 19	15 22	14 13	13 43	18 28		n.a.
F 28	23 47	22 49	2 5	25 42	1 57	17 42	1 31	27 45	4 0	4 35	1 22	22 44	1 0	16 47	0 10	14 12	1 44	30 18	15 22	14 12	13 42	18 25		n.a.
S 29	23 46	26 7	3 9	25 45	1 58	18 2	1 29	27 45	4 1	4 32	1 21	22 43	1 0	16 47	0 10	14 12	1 44	30 18	15 22	14 11	13 41	18 23		n.a.
S 30	23 45	27 49	4 3	25 46	2 0	18 22	1 26	27 45	4 2	4 29	1 21	22 42	1 0	16 46	0 10	14 13	1 44	30 17	15 21	14 8	13 40	18 20		n.a.
M31	23s44	27s37	4s42	25s44	2s 0	18s41	1n24	27n45	4n 2	4s26	1s21	22s41	1s 0	16n46	0s10	14s13	1n44	30s17	15s21	14n 6	13n39	18n18		n.a.

Julian Day Number = 1481057.5, Delta T = 05h22m41s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'44, Lahiri = -13°02'44 Julian Calendar 1 Dec. 659 BCE == Greg. Calendar 24 Nov. 659 BCE

The year -658 astronomical counting style corresponds to year 659 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

JANUARY 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 12 1	4♑12'16	29♑32	5♑ 6	29♏27	25°R34	22♓10	23♑40	16°R13	12♏44	17♒40	7°R 0	5♉46	24♌ 9	n.a.	T 1
W 2	6 15 57	5°13'08	14♒24	6°52	0♐40	25♊11	22°18	23°47	16♉11	12°45	17°41	6♉51	5°43	24°16	n.a.	W 2
T 3	6 19 54	6°13'59	29° 8	8°38	1°54	24°49	22°26	23°54	16°10	12°47	17°43	6°44	5°40	24°22	n.a.	T 3
F 4	6 23 50	7°14'48	13♓38	10°25	3° 7	24°27	22°34	24° 1	16° 8	12°48	17°44	6°39	5°37	24°29	n.a.	F 4
S 5	6 27 47	8°15'35	27°50	12°13	4°20	24° 5	22°42	24° 9	16° 7	12°50	17°45	6°37	5°34	24°36	n.a.	S 5
S 6	6 31 44	9°16'21	11♈44	14° 1	5°34	23°43	22°50	24°16	16° 6	12°51	17°46	6°D36	5°30	24°42	n.a.	S 6
M 7	6 35 40	10°17'04	25°19	15°49	6°47	23°23	22°58	24°23	16° 5	12°53	17°47	6°37	5°27	24°49	n.a.	M 7
T 8	6 39 37	11°17'46	8♉37	17°38	8° 1	23° 2	23° 7	24°30	16° 3	12°54	17°49	6°R37	5°24	24°56	n.a.	T 8
W 9	6 43 33	12°18'26	21°40	19°28	9°14	22°42	23°15	24°38	16° 2	12°56	17°50	6°36	5°21	25° 3	n.a.	W 9
T 10	6 47 30	13°19'05	4♊31	21°18	10°28	22°23	23°24	24°45	16° 1	12°57	17°51	6°33	5°18	25° 9	n.a.	T 10
F 11	6 51 26	14°19'41	17°10	23° 8	11°41	22° 5	23°33	24°52	16° 0	12°58	17°53	6°26	5°15	25°16	n.a.	F 11
S 12	6 55 23	15°20'16	29°40	24°57	12°55	21°47	23°42	24°59	15°59	13° 0	17°54	6°17	5°11	25°23	n.a.	S 12
S 13	6 59 20	16°20'49	12♋ 1	26°47	14° 8	21°30	23°51	25° 7	15°58	13° 1	17°55	6° 6	5° 8	25°29	n.a.	S 13
M14	7 3 16	17°21'20	24°13	28°36	15°22	21°13	24° 0	25°14	15°57	13° 2	17°57	5°52	5° 5	25°36	n.a.	M14
T 15	7 7 13	18°21'50	6♌18	0♒24	16°36	20°57	24°10	25°21	15°57	13° 3	17°58	5°39	5° 2	25°43	n.a.	T 15
W16	7 11 9	19°22'18	18°16	2°12	17°49	20°42	24°19	25°29	15°56	13° 4	17°59	5°25	4°59	25°50	n.a.	W16
T 17	7 15 6	20°22'44	0♍ 8	3°58	19° 3	20°28	24°29	25°36	15°55	13° 6	18° 1	5°14	4°55	25°56	n.a.	T 17
F 18	7 19 2	21°23'09	11°59	5°42	20°16	20°14	24°38	25°44	15°54	13° 7	18° 2	5° 5	4°52	26° 3	n.a.	F 18
S 19	7 22 59	22°23'32	23°50	7°24	21°30	20° 1	24°48	25°51	15°54	13° 8	18° 4	4°59	4°49	26°10	n.a.	S 19
S 20	7 26 55	23°23'53	5♎45	9° 3	22°44	19°49	24°58	25°58	15°53	13° 9	18° 5	4°56	4°46	26°17	n.a.	S 20
M21	7 30 52	24°24'13	17°50	10°39	23°57	19°38	25° 8	26° 6	15°53	13°10	18° 6	4°54	4°43	26°23	n.a.	M21
T 22	7 34 48	25°24'31	0♏10	12°11	25°11	19°27	25°19	26°13	15°52	13°11	18° 8	4°54	4°40	26°30	n.a.	T 22
W23	7 38 45	26°24'48	12°50	13°39	26°24	19°17	25°29	26°20	15°52	13°12	18° 9	4°54	4°36	26°37	n.a.	W23
T 24	7 42 42	27°25'03	25°54	15° 1	27°38	19° 8	25°39	26°28	15°51	13°13	18°11	4°53	4°33	26°43	n.a.	T 24
F 25	7 46 38	28°25'17	9♐27	16°18	28°52	19° 0	25°50	26°35	15°51	13°14	18°12	4°49	4°30	26°50	n.a.	F 25
S 26	7 50 35	29°25'29	23°30	17°29	0♑ 5	18°53	26° 1	26°43	15°51	13°15	18°14	4°43	4°27	26°57	n.a.	S 26
S 27	7 54 31	0♒25'39	8♑ 1	18°33	1°19	18°46	26°11	26°50	15°51	13°15	18°15	4°34	4°24	27° 4	n.a.	S 27
M28	7 58 28	1°25'47	22°55	19°30	2°33	18°40	26°22	26°57	15°51	13°16	18°17	4°23	4°21	27°10	n.a.	M28
T 29	8 2 24	2°25'53	8♒ 5	20°18	3°47	18°35	26°33	27° 5	15°50	13°17	18°18	4°12	4°17	27°17	n.a.	T 29
W30	8 6 21	3°25'58	23°18	20°58	5° 0	18°31	26°44	27°12	15°D50	13°18	18°20	4° 0	4°14	27°24	n.a.	W30
T 31	8 10 18	4♒26'00	8♓25	21♒30	6♑14	18♊27	26♓55	27♑19	15♉50	13♏18	18♒21	3♉51	4♉11	27♌30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23 s43	25 s27	5 s 2	25 s41	2 s 1	19 s 0	1 n21	27 n45	4 n 3	4 s22	1 s20	22 s40	1 s 0	16 n45	0 s10	14 s14	1 n44	30 s16	15 s21	14 n 2	13 n38	18 n15			n.a.
W 2	23 40	21 33	5 2	25 37	2 1	19 18	1 18	27 44	4 3	4 19	1 20	22 38	1 0	16 45	0 10	14 14	1 44	30 15	15 21	13 59	13 37	18 13			n.a.
T 3	23 38	16 19	4 42	25 30	2 1	19 36	1 16	27 44	4 4	4 16	1 20	22 37	1 0	16 44	0 10	14 15	1 44	30 15	15 20	13 57	13 36	18 10			n.a.
F 4	23 34	10 16	4 4	25 21	2 0	19 53	1 13	27 43	4 4	4 12	1 19	22 36	1 0	16 44	0 10	14 15	1 44	30 14	15 20	13 56	13 35	18 7			n.a.
S 5	23 31	3 47	3 11	25 10	1 58	20 10	1 10	27 42	4 4	4 9	1 19	22 35	1 0	16 44	0 10	14 15	1 44	30 14	15 20	13 55	13 34	18 5			n.a.
S 6	23 27	2 n44	2 9	24 57	1 56	20 26	1 7	27 41	4 4	4 5	1 19	22 33	1 0	16 43	0 10	14 16	1 44	30 13	15 20	13 55	13 33	18 2			n.a.
M 7	23 22	9 0	1 0	24 42	1 54	20 41	1 5	27 40	4 4	4 2	1 19	22 32	1 0	16 43	0 10	14 16	1 44	30 12	15 20	13 55	13 31	18 0			n.a.
T 8	23 17	14 44	0 n11	24 25	1 51	20 56	1 2	27 39	4 4	3 58	1 18	22 31	1 1	16 43	0 10	14 17	1 44	30 12	15 19	13 55	13 30	17 57			n.a.
W 9	23 12	19 43	1 19	24 6	1 47	21 11	0 59	27 38	4 4	3 54	1 18	22 30	1 1	16 42	0 10	14 17	1 44	30 11	15 19	13 55	13 29	17 54			n.a.
T 10	23 6	23 40	2 22	23 45	1 42	21 24	0 56	27 36	4 3	3 51	1 18	22 28	1 1	16 42	0 10	14 17	1 44	30 11	15 19	13 53	13 28	17 52			n.a.
F 11	23 0	26 25	3 18	23 22	1 37	21 38	0 53	27 35	4 3	3 47	1 18	22 27	1 1	16 42	0 10	14 18	1 44	30 10	15 19	13 51	13 27	17 49			n.a.
S 12	22 53	27 49	4 2	22 57	1 32	21 50	0 50	27 33	4 2	3 43	1 17	22 26	1 1	16 42	0 10	14 18	1 44	30 9	15 19	13 48	13 26	17 47			n.a.
S 13	22 46	27 47	4 35	22 29	1 25	22 2	0 47	27 31	4 2	3 39	1 17	22 24	1 1	16 41	0 10	14 18	1 44	30 9	15 19	13 44	13 25	17 44			n.a.
M14	22 38	26 24	4 54	22 0	1 18	22 14	0 44	27 30	4 1	3 35	1 17	22 23	1 1	16 41	0 10	14 19	1 44	30 8	15 18	13 40	13 24	17 41			n.a.
T 15	22 30	23 48	5 1	21 30	1 10	22 24	0 41	27 28	4 1	3 31	1 17	22 22	1 1	16 41	0 10	14 19	1 45	30 8	15 18	13 35	13 23	17 39			n.a.
W16	22 21	20 12	4 53	20 57	1 2	22 34	0 38	27 26	4 0	3 27	1 16	22 20	1 1	16 41	0 10	14 19	1 45	30 7	15 18	13 31	13 22	17 36			n.a.
T 17	22 12	15 50	4 33	20 23	0 52	22 44	0 35	27 24	3 59	3 23	1 16	22 19	1 1	16 40	0 10	14 20	1 45	30 6	15 18	13 27	13 21	17 33			n.a.
F 18	22 3	10 52	4 1	19 48	0 42	22 53	0 32	27 22	3 58	3 19	1 16	22 18	1 1	16 40	0 10	14 20	1 45	30 6	15 18	13 24	13 20	17 31			n.a.
S 19	21 53	5 31	3 19	19 11	0 31	23 1	0 29	27 20	3 57	3 15	1 16	22 17	1 1	16 40	0 10	14 20	1 45	30 5	15 18	13 22	13 19	17 28			n.a.
S 20	21 43	0 s 4	2 28	18 34	0 20	23 8	0 26	27 18	3 56	3 10	1 15	22 15	1 1	16 40	0 10	14 21	1 45	30 5	15 18	13 21	13 17	17 26			n.a.
M21	21 32	5 43	1 29	17 56	0 8	23 15	0 23	27 16	3 55	3 6	1 15	22 14	1 1	16 40	0 10	14 21	1 45	30 4	15 17	13 20	13 16	17 23			n.a.
T 22	21 21	11 18	0 25	17 18	0 n 5	23 21	0 21	27 14	3 54	3 2	1 15	22 12	1 1	16 40	0 10	14 21	1 45	30 3	15 17	13 20	13 15	17 20			n.a.
W23	21 10	16 34	0 s42	16 40	0 19	23 26	0 18	27 12	3 53	2 57	1 15	22 11	1 1	16 40	0 10	14 21	1 45	30 3	15 17	13 20	13 14	17 18			n.a.
T 24	20 58	21 16	1 49	16 2	0 33	23 31	0 15	27 10	3 52	2 53	1 14	22 10	1 1	16 39	0 10	14 22	1 45	30 2	15 17	13 20	13 13	17 15			n.a.
F 25	20 46	25 0	2 52	15 25	0 47	23 35	0 12	27 8	3 50	2 49	1 14	22 8	1 2	16 39	0 10	14 22	1 45	30 2	15 17	13 19	13 12	17 12			n.a.
S 26	20 34	27 23	3 46	14 49	1 2	23 38	0 9	27 7	3 49	2 44	1 14	22 7	1 2	16 39	0 10	14 22	1 45	30 1	15 17	13 17	13 11	17 9			n.a.
S 27	20 21	28 0	4 29	14 15	1 17	23 40	0 6	27 5	3 48	2 40	1 14	22 6	1 2	16 39	0 10	14 22	1 45	30 0	15 17	13 13	13 10	17 7			n.a.
M28	20 7	26 37	4 54	13 43	1 33	23 42	0 3	27 3	3 47	2 35	1 13	22 4	1 2	16 39	0 10	14 22	1 45	30 0	15 17	13 10	13 9	17 4			n.a.
T 29	19 54	23 19	4 59	13 13	1 48	23 43	0 0	27 1	3 45	2 30	1 13	22 3	1 2	16 39	0 10	14 23	1 45	29 59	15 17	13 6	13 8	17 1			n.a.
W30	19 40	18 23	4 43	12 46	2 3	23 44	0 s 3	26 59	3 44	2 26	1 13	22 2	1 2	16 39	0 10	14 23	1 45	29 59	15 17	13 2	13 7	16 59			n.a.
T 31	19 s25	12 s21	4 s 8	12 s22	2 n18	23 s43	0 s 6	26 n58	3 n42	2 s21	1 s13	22 s 0	1 s 2	16 n39	0 s10	14 s23	1 n45	29 s58	15 s16	12 n59	13 n 6	16 n56			n.a.

Julian Day Number = 1481088.5, Delta T = 05h22m40s
Ecliptic obliquity = 23°46'35, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'40, Lahiri = -13°02'39 Julian Calendar 1 Jan. 658 BCE == Greg. Calendar 25 Dec. 659 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

FEBRUARY 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 14 14	5♒25'59	23♓15	21♒53	7♑28	18°R25	27♓ 7	27♑27	15♉50	13♏19	18♒23	3°R44	4♉ 8	27♌37	n.a.	F 1
S 2	8 18 11	6°25'57	7♈44	22° 6	8°41	18♊23	27°18	27°34	15°51	13°20	18°24	3♉40	4° 5	27°44	n.a.	S 2
S 3	8 22 7	7°25'52	21°47	22°R11	9°55	18°22	27°29	27°41	15°51	13°20	18°26	3°39	4° 1	27°50	n.a.	S 3
M 4	8 26 4	8°25'44	5♉25	22° 6	11° 9	18°D21	27°41	27°49	15°51	13°21	18°27	3°38	3°58	27°57	n.a.	M 4
T 5	8 30 0	9°25'35	18°40	21°53	12°22	18°22	27°52	27°56	15°51	13°21	18°29	3°38	3°55	28° 4	n.a.	T 5
W 6	8 33 57	10°25'23	1♊36	21°31	13°36	18°23	28° 4	28° 3	15°52	13°22	18°30	3°37	3°52	28°11	n.a.	W 6
T 7	8 37 53	11°25'08	14°15	21° 2	14°50	18°24	28°16	28°11	15°52	13°22	18°32	3°33	3°49	28°17	n.a.	T 7
F 8	8 41 50	12°24'52	26°41	20°26	16° 3	18°27	28°28	28°18	15°52	13°23	18°33	3°27	3°46	28°24	n.a.	F 8
S 9	8 45 46	13°24'33	8♋57	19°44	17°17	18°30	28°40	28°25	15°53	13°23	18°35	3°18	3°42	28°31	n.a.	S 9
S 10	8 49 43	14°24'12	21° 5	18°56	18°31	18°34	28°52	28°32	15°53	13°24	18°36	3° 6	3°39	28°37	n.a.	S 10
M11	8 53 40	15°23'48	3♌ 7	18° 5	19°44	18°39	29° 4	28°40	15°54	13°24	18°38	2°52	3°36	28°44	n.a.	M11
T 12	8 57 36	16°23'23	15° 4	17°11	20°58	18°44	29°16	28°47	15°55	13°24	18°40	2°38	3°33	28°51	n.a.	T 12
W13	9 1 33	17°22'55	26°57	16°15	22°12	18°50	29°28	28°54	15°55	13°25	18°41	2°25	3°30	28°58	n.a.	W13
T 14	9 5 29	18°22'25	8♍49	15°20	23°25	18°56	29°40	29° 1	15°56	13°25	18°43	2°13	3°27	29° 4	n.a.	T 14
F 15	9 9 26	19°21'52	20°39	14°25	24°39	19° 4	29°53	29° 8	15°57	13°25	18°44	2° 3	3°23	29°11	n.a.	F 15
S 16	9 13 22	20°21'18	2♎32	13°32	25°53	19°11	0♈ 5	29°15	15°58	13°25	18°46	1°57	3°20	29°18	n.a.	S 16
S 17	9 17 19	21°20'42	14°30	12°41	27° 6	19°20	0°18	29°22	15°59	13°25	18°47	1°53	3°17	29°24	n.a.	S 17
M18	9 21 15	22°20'04	26°36	11°55	28°20	19°29	0°30	29°29	16° 0	13°25	18°49	1°D52	3°14	29°31	n.a.	M18
T 19	9 25 12	23°19'24	8♏55	11°13	29°34	19°38	0°43	29°36	16° 1	13°26	18°50	1°52	3°11	29°38	n.a.	T 19
W20	9 29 9	24°18'42	21°31	10°36	0♒47	19°48	0°56	29°43	16° 2	13°26	18°52	1°R52	3° 7	29°45	n.a.	W20
T 21	9 33 5	25°17'58	4♐31	10° 4	2° 1	19°59	1° 9	29°50	16° 3	13°R26	18°53	1°52	3° 4	29°51	n.a.	T 21
F 22	9 37 2	26°17'13	17°56	9°39	3°15	20°10	1°21	29°57	16° 4	13°26	18°55	1°50	3° 1	29°58	n.a.	F 22
S 23	9 40 58	27°16'26	1♑51	9°18	4°28	20°22	1°34	0♒ 4	16° 5	13°26	18°56	1°45	2°58	0♍ 5	n.a.	S 23
S 24	9 44 55	28°15'36	16°15	9° 4	5°42	20°35	1°47	0°11	16° 7	13°25	18°58	1°39	2°55	0°11	n.a.	S 24
M25	9 48 51	29°14'45	1♒ 5	8°55	6°56	20°47	2° 0	0°18	16° 8	13°25	19° 0	1°30	2°52	0°18	n.a.	M25
T 26	9 52 48	0♓13'52	16°15	8°D53	8° 9	21° 1	2°13	0°24	16° 9	13°25	19° 1	1°21	2°48	0°25	n.a.	T 26
W27	9 56 44	1°12'56	1♓33	8°55	9°23	21°15	2°26	0°31	16°11	13°25	19° 3	1°12	2°45	0°32	n.a.	W27
T 28	10 0 41	2♓11'59	16♓50	9♒ 4	10♒37	21♊29	2♈40	0♒38	16♉12	13♏25	19♒ 4	1♉ 4	2♉42	0♍38	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19s11	5s42	3s16	12s 1	2n32	23s42	0s 8	26n56	3n41	2s16	1s13	21s59	1s 2	16n39	0s10	14s23	1n45	29s58	15s16	12n56	13n 4	16n53		n.a.
S 2	18 56	1n 5	2 12	11 44	2 46	23 40	0 11	26 54	3 40	2 12	1 12	21 57	1 2	16 39	0 10	14 23	1 45	29 57	15 16	12 55	13 3	16 51		n.a.
S 3	18 40	7 39	1 2	11 30	2 59	23 38	0 14	26 53	3 38	2 7	1 12	21 56	1 2	16 39	0 10	14 23	1 45	29 56	15 16	12 54	13 2	16 48		n.a.
M 4	18 25	13 40	0n 9	11 20	3 10	23 35	0 17	26 51	3 37	2 2	1 12	21 55	1 2	16 40	0 10	14 23	1 46	29 56	15 16	12 54	13 1	16 45		n.a.
T 5	18 9	18 53	1 19	11 15	3 21	23 31	0 19	26 50	3 35	1 57	1 12	21 53	1 2	16 40	0 10	14 24	1 46	29 55	15 16	12 54	13 0	16 42		n.a.
W 6	17 52	23 5	2 22	11 13	3 30	23 26	0 22	26 48	3 34	1 52	1 12	21 52	1 3	16 40	0 10	14 24	1 46	29 55	15 16	12 54	12 59	16 40		n.a.
T 7	17 36	26 5	3 17	11 15	3 38	23 21	0 25	26 47	3 32	1 47	1 11	21 50	1 3	16 40	0 10	14 24	1 46	29 54	15 16	12 53	12 58	16 37		n.a.
F 8	17 19	27 45	4 1	11 21	3 43	23 15	0 27	26 46	3 31	1 42	1 11	21 49	1 3	16 40	0 10	14 24	1 46	29 54	15 16	12 50	12 57	16 34		n.a.
S 9	17 2	28 1	4 34	11 31	3 47	23 8	0 30	26 45	3 29	1 37	1 11	21 48	1 3	16 40	0 10	14 24	1 46	29 53	15 16	12 47	12 56	16 31		n.a.
S 10	16 44	26 56	4 53	11 44	3 49	23 0	0 32	26 43	3 28	1 32	1 11	21 46	1 3	16 40	0 10	14 24	1 46	29 53	15 16	12 43	12 55	16 29		n.a.
M11	16 27	24 35	5 0	11 59	3 50	22 52	0 35	26 42	3 26	1 27	1 11	21 45	1 3	16 41	0 10	14 24	1 46	29 52	15 16	12 38	12 54	16 26		n.a.
T 12	16 9	21 12	4 53	12 18	3 48	22 44	0 37	26 41	3 25	1 22	1 10	21 43	1 3	16 41	0 10	14 24	1 46	29 52	15 16	12 33	12 52	16 23		n.a.
W13	15 51	16 58	4 33	12 38	3 44	22 34	0 39	26 40	3 23	1 17	1 10	21 42	1 3	16 41	0 10	14 24	1 46	29 51	15 16	12 29	12 51	16 20		n.a.
T 14	15 32	12 6	4 2	13 0	3 38	22 24	0 42	26 39	3 21	1 12	1 10	21 41	1 3	16 41	0 10	14 24	1 46	29 51	15 16	12 25	12 50	16 18		n.a.
F 15	15 13	6 48	3 20	13 23	3 30	22 13	0 44	26 38	3 20	1 7	1 10	21 39	1 3	16 42	0 10	14 24	1 46	29 50	15 16	12 21	12 49	16 15		n.a.
S 16	14 54	1 15	2 29	13 47	3 21	22 2	0 46	26 37	3 18	1 2	1 10	21 38	1 4	16 42	0 10	14 24	1 46	29 50	15 16	12 19	12 48	16 12		n.a.
S 17	14 35	4s24	1 31	14 11	3 11	21 50	0 49	26 37	3 17	0 56	1 10	21 36	1 4	16 42	0 10	14 24	1 46	29 49	15 16	12 18	12 47	16 9		n.a.
M18	14 16	9 58	0 28	14 35	2 59	21 37	0 51	26 36	3 15	0 51	1 9	21 35	1 4	16 42	0 10	14 24	1 46	29 49	15 16	12 17	12 46	16 7		n.a.
T 19	13 56	15 16	0s37	14 59	2 47	21 23	0 53	26 35	3 14	0 46	1 9	21 34	1 4	16 43	0 10	14 24	1 46	29 48	15 16	12 17	12 45	16 4		n.a.
W20	13 36	20 3	1 43	15 22	2 33	21 9	0 55	26 34	3 12	0 41	1 9	21 32	1 4	16 43	0 9	14 24	1 46	29 48	15 16	12 17	12 44	16 1		n.a.
T 21	13 16	24 2	2 45	15 44	2 19	20 55	0 57	26 34	3 11	0 35	1 9	21 31	1 4	16 43	0 9	14 24	1 46	29 47	15 16	12 17	12 43	15 58		n.a.
F 22	12 56	26 52	3 40	16 5	2 5	20 39	0 59	26 33	3 9	0 30	1 9	21 29	1 4	16 44	0 9	14 24	1 46	29 47	15 16	12 17	12 41	15 55		n.a.
S 23	12 35	28 9	4 24	16 25	1 50	20 24	1 1	26 33	3 8	0 25	1 9	21 28	1 4	16 44	0 9	14 24	1 47	29 46	15 16	12 15	12 40	15 53		n.a.
S 24	12 15	27 37	4 53	16 43	1 35	20 7	1 3	26 32	3 6	0 19	1 8	21 27	1 4	16 44	0 9	14 24	1 47	29 46	15 17	12 13	12 39	15 50		n.a.
M25	11 54	25 8	5 4	17 0	1 20	19 50	1 4	26 31	3 5	0 14	1 8	21 25	1 5	16 45	0 9	14 24	1 47	29 45	15 17	12 10	12 38	15 47		n.a.
T 26	11 33	20 51	4 54	17 14	1 5	19 33	1 6	26 31	3 3	0 9	1 8	21 24	1 5	16 45	0 9	14 24	1 47	29 45	15 17	12 6	12 37	15 44		n.a.
W27	11 12	15 9	4 23	17 28	0 51	19 15	1 8	26 30	3 2	0 3	1 8	21 23	1 5	16 46	0 9	14 24	1 47	29 45	15 17	12 3	12 36	15 41		n.a.
T 28	10s50	8s32	3s33	17s39	0n37	18s56	1s 9	26n30	3n 0	0n 2	1s 8	21s21	1s 5	16n46	0s 9	14s23	1n47	29s44	15s17	12n 1	12n35	15n39		n.a.

Julian Day Number = 1481119.5, Delta T = 05h22m38s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'36, Lahiri = -13°02'35 Julian Calendar 1 Feb. 658 BCE == Greg. Calendar 25 Jan. 658 BCE

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

MARCH 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 4 37	3♓10'59	1♈53	9♒17	11♒50	21♊44	2♈53	0♒44	16♉14	13°R24	19♒ 6	0°R59	2♉39	0♍45	n.a.	F 1
S 2	10 8 34	4° 9'57	16°36	9°35	13° 4	21°59	3° 6	0°51	16°15	13♏24	19° 7	0♉56	2°36	0°52	n.a.	S 2
S 3	10 12 31	5° 8'52	0♉53	9°59	14°18	22°15	3°19	0°58	16°17	13°24	19° 9	0°D55	2°33	0°58	n.a.	S 3
M 4	10 16 27	6° 7'45	14°41	10°26	15°31	22°31	3°33	1° 4	16°18	13°24	19°10	0°55	2°29	1° 5	n.a.	M 4
T 5	10 20 24	7° 6'36	28° 3	10°58	16°45	22°48	3°46	1°11	16°20	13°23	19°12	0°56	2°26	1°12	n.a.	T 5
W 6	10 24 20	8° 5'24	11♊ 0	11°34	17°59	23° 5	4° 0	1°17	16°22	13°23	19°13	0°R57	2°23	1°18	n.a.	W 6
T 7	10 28 17	9° 4'10	23°38	12°15	19°12	23°23	4°13	1°23	16°24	13°22	19°15	0°55	2°20	1°25	n.a.	T 7
F 8	10 32 13	10° 2'54	5♋59	12°58	20°26	23°41	4°27	1°30	16°25	13°22	19°16	0°52	2°17	1°32	n.a.	F 8
S 9	10 36 10	11° 1'35	18° 9	13°46	21°40	23°59	4°40	1°36	16°27	13°21	19°17	0°47	2°13	1°39	n.a.	S 9
S 10	10 40 6	12° 0'14	0♌10	14°36	22°53	24°18	4°54	1°42	16°29	13°21	19°19	0°39	2°10	1°45	n.a.	S 10
M11	10 44 3	12°58'51	12° 5	15°30	24° 7	24°37	5° 7	1°49	16°31	13°20	19°20	0°31	2° 7	1°52	n.a.	M11
T 12	10 48 0	13°57'26	23°57	16°27	25°20	24°56	5°21	1°55	16°33	13°20	19°22	0°22	2° 4	1°59	n.a.	T 12
W13	10 51 56	14°55'58	5♍49	17°27	26°34	25°16	5°35	2° 1	16°35	13°19	19°23	0°13	2° 1	2° 5	n.a.	W13
T 14	10 55 53	15°54'28	17°41	18°29	27°48	25°36	5°48	2° 7	16°37	13°18	19°25	0° 5	1°58	2°12	n.a.	T 14
F 15	10 59 49	16°52'56	29°35	19°35	29° 1	25°57	6° 2	2°13	16°40	13°18	19°26	29♈59	1°54	2°19	n.a.	F 15
S 16	11 3 46	17°51'22	11♎34	20°42	0♓15	26°18	6°16	2°19	16°42	13°17	19°27	29°56	1°51	2°26	n.a.	S 16
S 17	11 7 42	18°49'47	23°38	21°52	1°28	26°39	6°30	2°25	16°44	13°16	19°29	29°54	1°48	2°32	n.a.	S 17
M18	11 11 39	19°48'09	5♏52	23° 5	2°42	27° 1	6°44	2°30	16°46	13°15	19°30	29°D54	1°45	2°39	n.a.	M18
T 19	11 15 35	20°46'30	18°18	24°20	3°56	27°23	6°57	2°36	16°48	13°15	19°31	29°55	1°42	2°46	n.a.	T 19
W20	11 19 32	21°44'49	0♐59	25°37	5° 9	27°45	7°11	2°42	16°51	13°14	19°33	29°57	1°38	2°52	n.a.	W20
T 21	11 23 28	22°43'07	13°59	26°56	6°23	28° 7	7°25	2°48	16°53	13°13	19°34	29°58	1°35	2°59	n.a.	T 21
F 22	11 27 25	23°41'23	27°21	28°17	7°36	28°30	7°39	2°53	16°56	13°12	19°35	29°R58	1°32	3° 6	n.a.	F 22
S 23	11 31 22	24°39'37	11♑ 8	29°41	8°50	28°53	7°53	2°59	16°58	13°11	19°37	29°57	1°29	3°12	n.a.	S 23
S 24	11 35 18	25°37'50	25°20	1♓ 6	10° 4	29°16	8° 7	3° 4	17° 1	13°10	19°38	29°54	1°26	3°19	n.a.	S 24
M25	11 39 15	26°36'01	9♒55	2°34	11°17	29°40	8°21	3°10	17° 3	13° 9	19°39	29°51	1°23	3°26	n.a.	M25
T 26	11 43 11	27°34'10	24°49	4° 3	12°31	0♋ 4	8°35	3°15	17° 6	13° 8	19°41	29°46	1°19	3°33	n.a.	T 26
W27	11 47 8	28°32'18	9♓55	5°34	13°44	0°28	8°49	3°20	17° 8	13° 7	19°42	29°42	1°16	3°39	n.a.	W27
T 28	11 51 4	29°30'24	25° 3	7° 7	14°58	0°53	9° 3	3°25	17°11	13° 6	19°43	29°38	1°13	3°46	n.a.	T 28
F 29	11 55 1	0♈28'28	10♈ 4	8°42	16°12	1°18	9°17	3°31	17°14	13° 5	19°44	29°35	1°10	3°53	n.a.	F 29
S 30	11 58 57	1°26'31	24°49	10°19	17°25	1°43	9°31	3°36	17°16	13° 4	19°46	29°D34	1° 7	3°59	n.a.	S 30
S 31	12 2 54	2♈24'31	9♉12	11♓58	18♓39	2♋ 8	9♈45	3♒41	17♉19	13♏ 3	19♒47	29♈34	1♉ 4	4♍ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s29	1s30	2s29	17s49	0n23	18s37	1s11	26n29	2n59	0n 8	1s 8	21s20	1s 5	16n47	0s 9	14s23	1n47	29s44	15s17	11n59	12n34	15n36		n.a.
S 2	10 7	5n27	1 16	17 57	0 9	18 17	1 12	26 29	2 57	0 13	1 8	21 19	1 5	16 47	0 9	14 23	1 47	29 43	15 17	11 58	12 33	15 33		n.a.
S 3	9 45	11 56	0 0	18 4	0s 4	17 57	1 14	26 28	2 56	0 19	1 7	21 17	1 5	16 48	0 9	14 23	1 47	29 43	15 17	11 57	12 32	15 30		n.a.
M 4	9 23	17 38	1n13	18 8	0 17	17 36	1 15	26 28	2 54	0 24	1 7	21 16	1 5	16 48	0 9	14 23	1 47	29 42	15 17	11 57	12 30	15 27		n.a.
T 5	9 1	22 17	2 20	18 11	0 29	17 15	1 16	26 27	2 53	0 30	1 7	21 15	1 6	16 49	0 9	14 23	1 47	29 42	15 17	11 58	12 29	15 24		n.a.
W 6	8 39	25 41	3 18	18 12	0 40	16 53	1 18	26 27	2 52	0 35	1 7	21 13	1 6	16 49	0 9	14 22	1 47	29 42	15 18	11 58	12 28	15 22		n.a.
T 7	8 17	27 41	4 5	18 11	0 51	16 31	1 19	26 27	2 50	0 41	1 7	21 12	1 6	16 50	0 9	14 22	1 47	29 41	15 18	11 57	12 27	15 19		n.a.
F 8	7 54	28 17	4 39	18 9	1 2	16 9	1 20	26 26	2 49	0 46	1 7	21 11	1 6	16 50	0 9	14 22	1 47	29 41	15 18	11 56	12 26	15 16		n.a.
S 9	7 32	27 28	4 59	18 4	1 12	15 46	1 21	26 26	2 47	0 52	1 7	21 9	1 6	16 51	0 9	14 22	1 47	29 41	15 18	11 54	12 25	15 13		n.a.
S 10	7 9	25 23	5 7	17 58	1 21	15 22	1 22	26 25	2 46	0 57	1 6	21 8	1 6	16 51	0 9	14 22	1 47	29 40	15 18	11 52	12 24	15 10		n.a.
M11	6 47	22 12	5 1	17 51	1 30	14 58	1 23	26 24	2 45	1 3	1 6	21 7	1 6	16 52	0 9	14 21	1 47	29 40	15 18	11 49	12 23	15 7		n.a.
T 12	6 24	18 8	4 41	17 41	1 38	14 34	1 24	26 24	2 43	1 9	1 6	21 6	1 7	16 52	0 9	14 21	1 47	29 40	15 18	11 46	12 22	15 4		n.a.
W13	6 1	13 22	4 10	17 30	1 46	14 9	1 25	26 23	2 42	1 14	1 6	21 4	1 7	16 53	0 9	14 21	1 47	29 39	15 19	11 42	12 20	15 1		n.a.
T 14	5 38	8 7	3 28	17 17	1 53	13 44	1 25	26 23	2 41	1 20	1 6	21 3	1 7	16 54	0 9	14 21	1 48	29 39	15 19	11 40	12 19	14 59		n.a.
F 15	5 15	2 33	2 37	17 2	1 59	13 19	1 26	26 22	2 39	1 25	1 6	21 2	1 7	16 54	0 9	14 21	1 48	29 39	15 19	11 38	12 18	14 56		n.a.
S 16	4 52	3s 8	1 38	16 46	2 5	12 53	1 27	26 21	2 38	1 31	1 6	21 1	1 7	16 55	0 9	14 20	1 48	29 38	15 19	11 36	12 17	14 53		n.a.
S 17	4 29	8 47	0 34	16 28	2 11	12 27	1 27	26 21	2 37	1 37	1 6	20 59	1 7	16 56	0 9	14 20	1 48	29 38	15 19	11 36	12 16	14 50		n.a.
M18	4 6	14 10	0s32	16 9	2 16	12 1	1 28	26 20	2 35	1 42	1 6	20 58	1 7	16 56	0 9	14 20	1 48	29 38	15 19	11 36	12 15	14 47		n.a.
T 19	3 42	19 6	1 38	15 47	2 20	11 34	1 28	26 19	2 34	1 48	1 5	20 57	1 8	16 57	0 9	14 19	1 48	29 37	15 20	11 36	12 14	14 44		n.a.
W20	3 19	23 16	2 41	15 24	2 24	11 7	1 28	26 18	2 33	1 54	1 5	20 56	1 8	16 58	0 9	14 19	1 48	29 37	15 20	11 37	12 13	14 41		n.a.
T 21	2 56	26 23	3 37	15 0	2 27	10 40	1 29	26 17	2 31	1 59	1 5	20 55	1 8	16 58	0 9	14 19	1 48	29 37	15 20	11 37	12 12	14 38		n.a.
F 22	2 32	28 8	4 23	14 34	2 29	10 12	1 29	26 16	2 30	2 5	1 5	20 53	1 8	16 59	0 9	14 19	1 48	29 37	15 20	11 37	12 10	14 35		n.a.
S 23	2 9	28 12	4 55	14 6	2 31	9 44	1 29	26 15	2 29	2 11	1 5	20 52	1 8	17 0	0 9	14 18	1 48	29 36	15 20	11 37	12 9	14 33		n.a.
S 24	1 46	26 27	5 11	13 36	2 33	9 16	1 29	26 14	2 28	2 16	1 5	20 51	1 8	17 1	0 9	14 18	1 48	29 36	15 21	11 36	12 8	14 30		n.a.
M25	1 22	22 56	5 7	13 5	2 34	8 48	1 29	26 13	2 26	2 22	1 5	20 50	1 8	17 1	0 9	14 18	1 48	29 36	15 21	11 34	12 7	14 27		n.a.
T 26	0 59	17 51	4 43	12 33	2 34	8 19	1 29	26 12	2 25	2 28	1 5	20 49	1 9	17 2	0 9	14 17	1 48	29 36	15 21	11 33	12 6	14 24		n.a.
W27	0 35	11 38	3 59	11 58	2 34	7 51	1 29	26 11	2 24	2 33	1 5	20 48	1 9	17 3	0 9	14 17	1 48	29 35	15 21	11 31	12 5	14 21		n.a.
T 28	0 12	4 42	2 58	11 23	2 33	7 22	1 29	26 9	2 23	2 39	1 5	20 47	1 9	17 4	0 9	14 17	1 48	29 35	15 22	11 30	12 4	14 18		n.a.
F 29	0n11	2n26	1 45	10 45	2 31	6 52	1 28	26 8	2 22	2 45	1 5	20 46	1 9	17 4	0 9	14 16	1 48	29 35	15 22	11 29	12 3	14 15		n.a.
S 30	0 35	9 21	0 26	10 6	2 29	6 23	1 28	26 6	2 20	2 50	1 5	20 45	1 9	17 5	0 9	14 16	1 48	29 35	15 22	11 29	12 1	14 12		n.a.
S 31	0n58	15n36	0n53	9s26	2s27	5s53	1s28	26n 5	2n19	2n56	1s 4	20s44	1s 9	17n 6	0s 9	14s15	1n48	29s35	15s22	11n29	12n 0	14n 9		n.a.

Julian Day Number = 1481147.5, Delta T = 05h22m37s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'32, Lahiri = -13°02'31 Julian Calendar 1 March 658 BCE == Greg. Calendar 22 Feb. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

APRIL 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 6 51	3♈22'30	23♉ 9	13♓39	19♓52	2♋33	9♈59	3♒46	17♉22	13°R 2	19♒48	29♈36	1♉ 0	4♍13	n.a.	M 1
T 2	12 10 47	4°20'27	6♊38	15°21	21° 6	2°59	10°14	3°50	17°25	13♏ 1	19°49	29°37	0°57	4°19	n.a.	T 2
W 3	12 14 44	5°18'22	19°43	17° 6	22°20	3°25	10°28	3°55	17°27	12°59	19°50	29°38	0°54	4°26	n.a.	W 3
T 4	12 18 40	6°16'15	2♋25	18°52	23°33	3°52	10°42	4° 0	17°30	12°58	19°51	29°R39	0°51	4°33	n.a.	T 4
F 5	12 22 37	7°14'06	14°48	20°40	24°47	4°18	10°56	4° 5	17°33	12°57	19°53	29°39	0°48	4°40	n.a.	F 5
S 6	12 26 33	8°11'55	26°57	22°30	26° 0	4°45	11°10	4° 9	17°36	12°56	19°54	29°38	0°44	4°46	n.a.	S 6
S 7	12 30 30	9° 9'42	8♌56	24°22	27°14	5°12	11°24	4°14	17°39	12°55	19°55	29°36	0°41	4°53	n.a.	S 7
M 8	12 34 26	10° 7'28	20°49	26°16	28°27	5°39	11°38	4°18	17°42	12°53	19°56	29°33	0°38	5° 0	n.a.	M 8
T 9	12 38 23	11° 5'12	2♍40	28°12	29°41	6° 6	11°52	4°22	17°45	12°52	19°57	29°30	0°35	5° 6	n.a.	T 9
W10	12 42 20	12° 2'54	14°31	0♈10	0♈54	6°34	12° 6	4°27	17°48	12°51	19°58	29°27	0°32	5°13	n.a.	W10
T 11	12 46 16	13° 0'34	26°26	2° 9	2° 8	7° 1	12°21	4°31	17°51	12°49	19°59	29°25	0°29	5°20	n.a.	T 11
F 12	12 50 13	13°58'13	8♎27	4°10	3°22	7°29	12°35	4°35	17°54	12°48	20° 0	29°23	0°25	5°26	n.a.	F 12
S 13	12 54 9	14°55'50	20°35	6°13	4°35	7°57	12°49	4°39	17°57	12°47	20° 1	29°22	0°22	5°33	n.a.	S 13
S 14	12 58 6	15°53'26	2♏53	8°17	5°49	8°26	13° 3	4°43	18° 0	12°45	20° 2	29°D22	0°19	5°40	n.a.	S 14
M15	13 2 2	16°51'01	15°21	10°23	7° 2	8°54	13°17	4°47	18° 3	12°44	20° 3	29°23	0°16	5°47	n.a.	M15
T 16	13 5 59	17°48'34	28° 2	12°31	8°16	9°23	13°31	4°50	18° 7	12°42	20° 4	29°23	0°13	5°53	n.a.	T 16
W17	13 9 55	18°46'07	10♐56	14°39	9°29	9°52	13°45	4°54	18°10	12°41	20° 5	29°24	0°10	6° 0	n.a.	W17
T 18	13 13 52	19°43'38	24° 7	16°49	10°43	10°21	13°59	4°58	18°13	12°40	20° 6	29°25	0° 6	6° 7	n.a.	T 18
F 19	13 17 49	20°41'09	7♑34	18°59	11°56	10°50	14°13	5° 1	18°16	12°38	20° 7	29°26	0° 3	6°13	n.a.	F 19
S 20	13 21 45	21°38'38	21°19	21°10	13°10	11°19	14°27	5° 5	18°20	12°37	20° 7	29°R26	29♈59	6°20	n.a.	S 20
S 21	13 25 42	22°36'07	5♒23	23°22	14°24	11°49	14°41	5° 8	18°23	12°35	20° 8	29°26	29°57	6°27	n.a.	S 21
M22	13 29 38	23°33'34	19°43	25°33	15°37	12°19	14°55	5°11	18°26	12°34	20° 9	29°26	29°54	6°33	n.a.	M22
T 23	13 33 35	24°31'01	4♓17	27°44	16°51	12°49	15° 9	5°14	18°29	12°32	20°10	29°25	29°50	6°40	n.a.	T 23
W24	13 37 31	25°28'27	19° 0	29°55	18° 4	13°19	15°23	5°18	18°33	12°31	20°11	29°25	29°47	6°47	n.a.	W24
T 25	13 41 28	26°25'52	3♈47	2♉ 5	19°18	13°49	15°37	5°21	18°36	12°29	20°11	29°24	29°44	6°54	n.a.	T 25
F 26	13 45 24	27°23'15	18°30	4°14	20°31	14°19	15°51	5°23	18°39	12°28	20°12	29°24	29°41	7° 0	n.a.	F 26
S 27	13 49 21	28°20'38	3♉ 2	6°22	21°45	14°50	16° 5	5°26	18°43	12°26	20°13	29°D24	29°38	7° 7	n.a.	S 27
S 28	13 53 18	29°18'00	17°18	8°29	22°59	15°21	16°19	5°29	18°46	12°24	20°14	29°R24	29°35	7°14	n.a.	S 28
M29	13 57 14	0♉15'21	1♊13	10°34	24°12	15°51	16°33	5°32	18°50	12°23	20°14	29°24	29°31	7°20	n.a.	M29
T 30	14 1 11	1♉12'41	14♊45	12♉36	25♈26	16♋22	16♈47	5♒34	18♉53	12♏21	20♒15	29♈24	29♈28	7♍27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n22	20n51	2n 6	8s44	2s24	5s24	1s27	26n 3	2n18	3n 2	1s 4	20s43	1s10	17n 7	0s 9	14s15	1n48	29s35	15s23	11n29	11n59	14n 6		n.a.
T 2	1 45	24 50	3 10	8 0	2 20	4 54	1 27	26 1	2 17	3 7	1 4	20 42	1 10	17 8	0 9	14 15	1 48	29 34	15 23	11 30	11 58	14 3		n.a.
W 3	2 8	27 23	4 1	7 15	2 16	4 24	1 26	26 0	2 16	3 13	1 4	20 41	1 10	17 8	0 9	14 14	1 48	29 34	15 23	11 30	11 57	14 0		n.a.
T 4	2 31	28 25	4 40	6 29	2 11	3 54	1 25	25 58	2 15	3 19	1 4	20 40	1 10	17 9	0 9	14 14	1 48	29 34	15 23	11 30	11 56	13 57		n.a.
F 5	2 55	27 59	5 4	5 41	2 6	3 24	1 25	25 56	2 13	3 24	1 4	20 39	1 10	17 10	0 9	14 14	1 48	29 34	15 24	11 30	11 55	13 54		n.a.
S 6	3 18	26 12	5 14	4 51	2 0	2 53	1 24	25 54	2 12	3 30	1 4	20 38	1 11	17 11	0 9	14 13	1 48	29 34	15 24	11 30	11 54	13 51		n.a.
S 7	3 41	23 15	5 10	4 1	1 54	2 23	1 23	25 51	2 11	3 36	1 4	20 37	1 11	17 12	0 9	14 13	1 48	29 34	15 24	11 29	11 52	13 48		n.a.
M 8	4 4	19 23	4 53	3 8	1 47	1 53	1 22	25 49	2 10	3 41	1 4	20 36	1 11	17 13	0 9	14 12	1 48	29 34	15 24	11 28	11 51	13 45		n.a.
T 9	4 27	14 46	4 24	2 15	1 40	1 22	1 21	25 47	2 9	3 47	1 4	20 35	1 11	17 13	0 9	14 12	1 48	29 33	15 25	11 27	11 50	13 42		n.a.
W10	4 50	9 36	3 43	1 21	1 32	0 51	1 20	25 44	2 8	3 52	1 4	20 34	1 11	17 14	0 9	14 11	1 49	29 33	15 25	11 26	11 49	13 39		n.a.
T 11	5 12	4 3	2 52	0 25	1 24	0 21	1 19	25 42	2 7	3 58	1 4	20 33	1 11	17 15	0 9	14 11	1 49	29 33	15 25	11 25	11 48	13 36		n.a.
F 12	5 35	1s40	1 53	0n32	1 15	0n10	1 18	25 39	2 6	4 4	1 4	20 33	1 12	17 16	0 9	14 11	1 49	29 33	15 26	11 25	11 47	13 33		n.a.
S 13	5 58	7 24	0 48	1 29	1 6	0 40	1 17	25 36	2 4	4 9	1 4	20 32	1 12	17 17	0 9	14 10	1 49	29 33	15 26	11 24	11 46	13 30		n.a.
S 14	6 20	12 57	0s19	2 28	0 57	1 11	1 16	25 33	2 3	4 15	1 4	20 31	1 12	17 18	0 9	14 10	1 49	29 33	15 26	11 24	11 45	13 27		n.a.
M15	6 43	18 3	1 27	3 27	0 47	1 42	1 14	25 30	2 2	4 21	1 4	20 30	1 12	17 19	0 9	14 9	1 49	29 33	15 27	11 24	11 43	13 24		n.a.
T 16	7 5	22 28	2 32	4 26	0 37	2 12	1 13	25 27	2 1	4 26	1 3	20 30	1 12	17 20	0 9	14 9	1 49	29 33	15 27	11 25	11 42	13 21		n.a.
W17	7 27	25 52	3 30	5 26	0 27	2 43	1 12	25 24	2 0	4 32	1 3	20 29	1 13	17 21	0 9	14 8	1 49	29 33	15 27	11 25	11 41	13 18		n.a.
T 18	7 49	27 57	4 19	6 27	0 17	3 13	1 10	25 21	1 59	4 37	1 3	20 28	1 13	17 21	0 9	14 8	1 49	29 33	15 27	11 25	11 40	13 15		n.a.
F 19	8 11	28 27	4 54	7 27	0 6	3 44	1 9	25 17	1 58	4 43	1 3	20 27	1 13	17 22	0 9	14 7	1 49	29 33	15 28	11 26	11 39	13 12		n.a.
S 20	8 33	27 13	5 14	8 27	0n 5	4 14	1 7	25 14	1 57	4 48	1 3	20 27	1 13	17 23	0 9	14 7	1 49	29 33	15 28	11 26	11 38	13 9		n.a.
S 21	8 55	24 17	5 15	9 26	0 15	4 45	1 6	25 10	1 56	4 54	1 3	20 26	1 13	17 24	0 9	14 6	1 49	29 33	15 28	11 26	11 37	13 6		n.a.
M22	9 16	19 48	4 57	10 25	0 26	5 15	1 4	25 6	1 55	4 59	1 3	20 26	1 14	17 25	0 9	14 6	1 49	29 33	15 29	11 25	11 36	13 3		n.a.
T 23	9 38	14 6	4 20	11 22	0 36	5 45	1 2	25 2	1 54	5 5	1 3	20 25	1 14	17 26	0 9	14 6	1 49	29 33	15 29	11 25	11 34	13 0		n.a.
W24	9 59	7 33	3 26	12 19	0 46	6 15	1 1	24 58	1 53	5 10	1 3	20 24	1 14	17 27	0 9	14 5	1 49	29 33	15 29	11 25	11 33	12 57		n.a.
T 25	10 20	0 34	2 17	13 14	0 56	6 45	0 59	24 54	1 52	5 16	1 3	20 24	1 14	17 28	0 9	14 5	1 49	29 33	15 30	11 25	11 32	12 54		n.a.
F 26	10 41	6n25	1 0	14 8	1 5	7 15	0 57	24 50	1 51	5 21	1 3	20 23	1 14	17 29	0 9	14 4	1 49	29 33	15 30	11 25	11 31	12 51		n.a.
S 27	11 2	13 1	0n20	15 0	1 14	7 44	0 55	24 46	1 50	5 27	1 3	20 23	1 15	17 30	0 8	14 4	1 49	29 33	15 30	11 25	11 30	12 48		n.a.
S 28	11 23	18 48	1 38	15 49	1 22	8 14	0 53	24 41	1 49	5 32	1 3	20 22	1 15	17 31	0 8	14 3	1 49	29 33	15 31	11 25	11 29	12 45		n.a.
M29	11 43	23 25	2 47	16 37	1 30	8 43	0 51	24 36	1 48	5 38	1 3	20 22	1 15	17 32	0 8	14 3	1 49	29 34	15 31	11 25	11 28	12 42		n.a.
T 30	12n 4	26n38	3n46	17n23	1n37	9n12	0s49	24n32	1n47	5n43	1s 3	20s21	1s15	17n33	0s 8	14s 2	1n49	29s34	15s31	11n25	11n26	12n39		n.a.

Julian Day Number = 1481178.5, Delta T = 05h22m35s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'28, Lahiri = -13°02'27 Julian Calendar 1 Apr. 658 BCE == Greg. Calendar 25 March 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

MAY 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 5 7	2♉10'00	27♊53	14♉37	26♈39	16♋54	17♈ 1	5♒37	18♉57	12°R20	20♒16	29°R24	29♈25	7♍34	n.a.	W 1
T 2	14 9 4	3° 7'17	10♋38	16°36	27°53	17°25	17°15	5°39	19° 0	12♏18	20°16	29♈23	29°22	7°40	n.a.	T 2
F 3	14 13 0	4° 4'34	23° 5	18°33	29° 6	17°56	17°28	5°41	19° 3	12°17	20°17	29°23	29°19	7°47	n.a.	F 3
S 4	14 16 57	5° 1'49	5♌16	20°27	0♉20	18°28	17°42	5°43	19° 7	12°15	20°17	29°D23	29°15	7°54	n.a.	S 4
S 5	14 20 53	5°59'03	17°16	22°19	1°34	19° 0	17°56	5°45	19°10	12°13	20°18	29°23	29°12	8° 0	n.a.	S 5
M 6	14 24 50	6°56'16	29° 9	24° 8	2°47	19°31	18°10	5°47	19°14	12°12	20°18	29°24	29° 9	8° 7	n.a.	M 6
T 7	14 28 47	7°53'29	11♍ 0	25°55	4° 1	20° 3	18°23	5°49	19°17	12°10	20°19	29°24	29° 6	8°14	n.a.	T 7
W 8	14 32 43	8°50'40	22°53	27°40	5°14	20°35	18°37	5°51	19°21	12° 8	20°19	29°25	29° 3	8°21	n.a.	W 8
T 9	14 36 40	9°47'50	4♎52	29°21	6°28	21° 8	18°51	5°53	19°25	12° 7	20°20	29°26	29° 0	8°27	n.a.	T 9
F 10	14 40 36	10°45'00	17° 0	1♊ 1	7°42	21°40	19° 4	5°54	19°28	12° 5	20°20	29°27	28°56	8°34	n.a.	F 10
S 11	14 44 33	11°42'09	29°20	2°37	8°55	22°12	19°18	5°56	19°32	12° 4	20°21	29°R27	28°53	8°41	n.a.	S 11
S 12	14 48 29	12°39'17	11♏53	4°12	10° 9	22°45	19°31	5°57	19°35	12° 2	20°21	29°27	28°50	8°47	n.a.	S 12
M13	14 52 26	13°36'25	24°40	5°43	11°22	23°18	19°45	5°58	19°39	12° 0	20°21	29°26	28°47	8°54	n.a.	M13
T 14	14 56 22	14°33'32	7♐42	7°12	12°36	23°51	19°58	5°59	19°42	11°59	20°22	29°24	28°44	9° 1	n.a.	T 14
W15	15 0 19	15°30'40	20°59	8°38	13°50	24°24	20°11	6° 1	19°46	11°57	20°22	29°22	28°41	9° 7	n.a.	W15
T 16	15 4 16	16°27'47	4♑29	10° 2	15° 3	24°57	20°25	6° 2	19°49	11°56	20°22	29°20	28°37	9°14	n.a.	T 16
F 17	15 8 12	17°24'53	18°11	11°22	16°17	25°30	20°38	6° 2	19°53	11°54	20°23	29°18	28°34	9°21	n.a.	F 17
S 18	15 12 9	18°22'00	2♒ 5	12°40	17°31	26° 3	20°51	6° 3	19°56	11°52	20°23	29°16	28°31	9°27	n.a.	S 18
S 19	15 16 5	19°19'06	16° 9	13°56	18°44	26°36	21° 5	6° 4	20° 0	11°51	20°23	29°D16	28°28	9°34	n.a.	S 19
M20	15 20 2	20°16'13	0♓20	15° 8	19°58	27°10	21°18	6° 5	20° 4	11°49	20°23	29°16	28°25	9°41	n.a.	M20
T 21	15 23 58	21°13'19	14°38	16°17	21°11	27°44	21°31	6° 5	20° 7	11°48	20°24	29°17	28°21	9°48	n.a.	T 21
W22	15 27 55	22°10'26	28°59	17°24	22°25	28°17	21°44	6° 5	20°11	11°46	20°24	29°18	28°18	9°54	n.a.	W22
T 23	15 31 52	23° 7'32	13♈19	18°27	23°39	28°51	21°57	6° 6	20°14	11°44	20°24	29°20	28°15	10° 1	n.a.	T 23
F 24	15 35 48	24° 4'39	27°37	19°27	24°53	29°25	22°10	6° 6	20°18	11°43	20°24	29°R20	28°12	10° 8	n.a.	F 24
S 25	15 39 45	25° 1'46	11♉46	20°24	26° 6	29°59	22°23	6°R 6	20°21	11°41	20°24	29°20	28° 9	10°14	n.a.	S 25
S 26	15 43 41	25°58'52	25°43	21°18	27°20	0♌33	22°36	6° 6	20°25	11°40	20°24	29°18	28° 6	10°21	n.a.	S 26
M27	15 47 38	26°55'59	9♊25	22° 8	28°34	1° 8	22°48	6° 6	20°29	11°38	20°24	29°15	28° 2	10°28	n.a.	M27
T 28	15 51 34	27°53'06	22°49	22°55	29°47	1°42	23° 1	6° 6	20°32	11°37	20°24	29°11	27°59	10°34	n.a.	T 28
W29	15 55 31	28°50'12	5♋53	23°38	1♊ 1	2°17	23°14	6° 5	20°36	11°35	20°R24	29° 6	27°56	10°41	n.a.	W29
T 30	15 59 27	29°47'19	18°38	24°17	2°15	2°51	23°26	6° 5	20°39	11°34	20°24	29° 2	27°53	10°48	n.a.	T 30
F 31	16 3 24	0♊44'25	1♌ 5	24♊52	3♊29	3♌26	23♈39	6♒ 4	20♉43	11♏32	20♒24	28♈58	27♈50	10♍54	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	12n24	28n16	4n30	18n 6	1n44	9n41	0s47	24n27	1n46	5n48	1s 3	20s21	1s15	17n34	0s 8	14s 2	1n49	29s34	15s32	11n25	11n25	12n36		n.a.	
T 2	12 44	28 20	5 0	18 47	1 50	10 10	0 45	24 22	1 45	5 54	1 3	20 21	1 16	17 35	0 8	14 1	1 49	29 34	15 32	11 25	11 24	12 33		n.a.	
F 3	13 3	26 57	5 15	19 26	1 55	10 38	0 43	24 16	1 44	5 59	1 3	20 20	1 16	17 36	0 8	14 1	1 49	29 34	15 33	11 25	11 23	12 30		n.a.	
S 4	13 23	24 18	5 15	20 2	2 0	11 6	0 41	24 11	1 43	6 4	1 3	20 20	1 16	17 37	0 8	14 0	1 49	29 34	15 33	11 25	11 22	12 27		n.a.	
S 5	13 42	20 39	5 2	20 36	2 4	11 34	0 39	24 6	1 42	6 10	1 3	20 20	1 16	17 38	0 8	14 0	1 49	29 34	15 33	11 25	11 21	12 24		n.a.	
M 6	14 1	16 13	4 35	21 7	2 7	12 2	0 37	24 0	1 41	6 15	1 3	20 19	1 16	17 39	0 8	13 59	1 49	29 34	15 34	11 25	11 20	12 21		n.a.	
T 7	14 20	11 11	3 57	21 36	2 9	12 29	0 35	23 54	1 40	6 20	1 3	20 19	1 17	17 40	0 8	13 59	1 49	29 35	15 34	11 25	11 18	12 18		n.a.	
W 8	14 39	5 45	3 9	22 2	2 11	12 56	0 33	23 48	1 39	6 26	1 3	20 19	1 17	17 41	0 8	13 58	1 49	29 35	15 34	11 25	11 17	12 15		n.a.	
T 9	14 57	0 3	2 12	22 27	2 12	13 23	0 30	23 43	1 38	6 31	1 3	20 19	1 17	17 42	0 8	13 58	1 49	29 35	15 35	11 26	11 16	12 11		n.a.	
F 10	15 16	5s43	1 8	22 48	2 12	13 50	0 28	23 36	1 37	6 36	1 3	20 18	1 17	17 43	0 8	13 57	1 49	29 35	15 35	11 26	11 15	12 8		n.a.	
S 11	15 33	11 23	0 1	23 8	2 12	14 16	0 26	23 30	1 36	6 41	1 3	20 18	1 17	17 44	0 8	13 57	1 49	29 35	15 35	11 26	11 14	12 5		n.a.	
S 12	15 51	16 42	1s 8	23 25	2 11	14 42	0 24	23 24	1 36	6 46	1 3	20 18	1 18	17 45	0 8	13 56	1 49	29 36	15 36	11 26	11 13	12 2		n.a.	
M13	16 9	21 23	2 15	23 40	2 9	15 7	0 21	23 17	1 35	6 51	1 3	20 18	1 18	17 46	0 8	13 56	1 49	29 36	15 36	11 26	11 12	11 59		n.a.	
T 14	16 26	25 7	3 16	23 53	2 6	15 32	0 19	23 11	1 34	6 57	1 3	20 18	1 18	17 47	0 8	13 55	1 49	29 36	15 37	11 25	11 10	11 56		n.a.	
W15	16 43	27 35	4 7	24 5	2 3	15 57	0 17	23 4	1 33	7 2	1 3	20 18	1 18	17 48	0 8	13 55	1 49	29 36	15 37	11 24	11 9	11 53		n.a.	
T 16	17 0	28 28	4 46	24 14	1 59	16 21	0 15	22 57	1 32	7 7	1 3	20 18	1 18	17 49	0 8	13 54	1 49	29 36	15 37	11 23	11 8	11 50		n.a.	
F 17	17 16	27 37	5 9	24 21	1 54	16 45	0 12	22 50	1 31	7 12	1 3	20 18	1 19	17 49	0 8	13 54	1 49	29 37	15 38	11 23	11 7	11 47		n.a.	
S 18	17 32	25 5	5 15	24 26	1 49	17 8	0 10	22 43	1 30	7 17	1 3	20 18	1 19	17 50	0 8	13 53	1 49	29 37	15 38	11 22	11 6	11 44		n.a.	
S 19	17 48	21 0	5 2	24 30	1 43	17 31	0 7	22 35	1 29	7 22	1 3	20 18	1 19	17 51	0 8	13 53	1 49	29 37	15 38	11 22	11 5	11 41		n.a.	
M20	18 4	15 42	4 30	24 32	1 36	17 54	0 5	22 28	1 28	7 27	1 3	20 18	1 19	17 52	0 8	13 52	1 49	29 38	15 39	11 22	11 4	11 37		n.a.	
T 21	18 19	9 32	3 42	24 32	1 29	18 16	0 3	22 20	1 27	7 32	1 3	20 18	1 20	17 53	0 8	13 52	1 49	29 38	15 39	11 22	11 2	11 34		n.a.	
W22	18 34	2 51	2 39	24 31	1 21	18 38	0 0	22 12	1 26	7 37	1 3	20 18	1 20	17 54	0 8	13 51	1 49	29 38	15 40	11 23	11 1	11 31		n.a.	
T 23	18 49	4n 0	1 27	24 28	1 12	18 59	0n 2	22 4	1 26	7 42	1 3	20 18	1 20	17 55	0 8	13 51	1 49	29 38	15 40	11 23	11 0	11 28		n.a.	
F 24	19 3	10 37	0 9	24 24	1 3	19 19	0 4	21 56	1 25	7 46	1 3	20 18	1 20	17 56	0 8	13 50	1 49	29 39	15 40	11 24	10 59	11 25		n.a.	
S 25	19 17	16 39	1n 8	24 19	0 53	19 40	0 7	21 48	1 24	7 51	1 3	20 19	1 20	17 57	0 8	13 50	1 49	29 39	15 41	11 23	10 58	11 22		n.a.	
S 26	19 31	21 43	2 20	24 12	0 43	19 59	0 9	21 40	1 23	7 56	1 3	20 19	1 21	17 58	0 8	13 49	1 49	29 39	15 41	11 23	10 57	11 19		n.a.	
M27	19 45	25 30	3 22	24 4	0 32	20 18	0 11	21 31	1 22	8 1	1 3	20 19	1 21	17 59	0 8	13 49	1 49	29 40	15 41	11 22	10 56	11 16		n.a.	
T 28	19 58	27 46	4 12	23 55	0 20	20 37	0 14	21 23	1 21	8 6	1 3	20 19	1 21	18 0	0 8	13 49	1 49	29 40	15 42	11 20	10 54	11 12		n.a.	
W29	20 11	28 25	4 47	23 46	0 8	20 55	0 16	21 14	1 20	8 10	1 3	20 20	1 21	18 1	0 8	13 48	1 49	29 40	15 42	11 19	10 53	11 9		n.a.	
T 30	20 23	27 32	5 7	23 35	0s 4	21 12	0 18	21 5	1 19	8 15	1 3	20 20	1 21	18 2	0 8	13 48	1 49	29 41	15 43	11 17	10 52	11 6		n.a.	
F 31	20n36	25n16	5n12	23n23	0s17	21n29	0n21	20n56	1n19	8n20	1s 3	20s20	1s22	18n 3	0s 8	13s47	1n49	29s41	15s43	11n15	10n51	11n 3		n.a.	

Julian Day Number = 1481208.5, Delta T = 05h22m34s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'23, Lahiri = -13°02'23 Julian Calendar 1 May 658 BCE == Greg. Calendar 24 Apr. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

JUNE 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 7 21	1♊41'31	13♌16	25♊23	4♊42	4♌ 1	23♈52	6°R 4	20♉46	11°R31	20°R24	28°R55	27♈47	11♍ 1	n.a.	S 1
S 2	16 11 17	2°38'37	25°16	25°50	5°56	4°36	24° 4	6♒ 3	20°50	11♏29	20♒24	28♈53	27°43	11° 8	n.a.	S 2
M 3	16 15 14	3°35'43	7♍10	26°13	7°10	5°11	24°16	6° 2	20°53	11°28	20°24	28°D53	27°40	11°15	n.a.	M 3
T 4	16 19 10	4°32'48	19° 1	26°31	8°24	5°46	24°29	6° 1	20°57	11°26	20°24	28°54	27°37	11°21	n.a.	T 4
W 5	16 23 7	5°29'54	0♎55	26°45	9°37	6°21	24°41	6° 0	21° 0	11°25	20°24	28°55	27°34	11°28	n.a.	W 5
T 6	16 27 3	6°27'00	12°56	26°54	10°51	6°56	24°53	5°59	21° 4	11°23	20°24	28°57	27°31	11°35	n.a.	T 6
F 7	16 31 0	7°24'06	25°10	26°R58	12° 5	7°32	25° 5	5°58	21° 7	11°22	20°23	28°R58	27°27	11°41	n.a.	F 7
S 8	16 34 56	8°21'12	7♏39	26°57	13°19	8° 7	25°17	5°57	21°11	11°20	20°23	28°58	27°24	11°48	n.a.	S 8
S 9	16 38 53	9°18'18	20°26	26°52	14°33	8°43	25°29	5°55	21°14	11°19	20°23	28°56	27°21	11°55	n.a.	S 9
M10	16 42 50	10°15'25	3♐33	26°42	15°46	9°19	25°41	5°54	21°18	11°18	20°23	28°52	27°18	12° 1	n.a.	M10
T 11	16 46 46	11°12'32	16°58	26°27	17° 0	9°54	25°53	5°52	21°21	11°16	20°22	28°46	27°15	12° 8	n.a.	T 11
W12	16 50 43	12° 9'40	0♑40	26° 8	18°14	10°30	26° 5	5°50	21°24	11°15	20°22	28°40	27°12	12°15	n.a.	W12
T 13	16 54 39	13° 6'48	14°37	25°44	19°28	11° 6	26°16	5°49	21°28	11°14	20°22	28°33	27° 8	12°21	n.a.	T 13
F 14	16 58 36	14° 3'57	28°43	25°17	20°42	11°42	26°28	5°47	21°31	11°12	20°21	28°26	27° 5	12°28	n.a.	F 14
S 15	17 2 32	15° 1'07	12♒55	24°46	21°56	12°18	26°39	5°45	21°34	11°11	20°21	28°21	27° 2	12°35	n.a.	S 15
S 16	17 6 29	15°58'18	27° 9	24°11	23° 9	12°54	26°51	5°43	21°38	11°10	20°21	28°18	26°59	12°41	n.a.	S 16
M17	17 10 26	16°55'29	11♓23	23°34	24°23	13°31	27° 2	5°41	21°41	11° 9	20°20	28°D16	26°56	12°48	n.a.	M17
T 18	17 14 22	17°52'42	25°32	22°54	25°37	14° 7	27°13	5°38	21°44	11° 7	20°20	28°16	26°53	12°55	n.a.	T 18
W19	17 18 19	18°49'55	9♈38	22°13	26°51	14°44	27°24	5°36	21°48	11° 6	20°19	28°17	26°49	13° 1	n.a.	W19
T 20	17 22 15	19°47'10	23°37	21°31	28° 5	15°20	27°35	5°34	21°51	11° 5	20°19	28°R18	26°46	13° 8	n.a.	T 20
F 21	17 26 12	20°44'25	7♉29	20°48	29°19	15°57	27°46	5°31	21°54	11° 4	20°18	28°18	26°43	13°15	n.a.	F 21
S 22	17 30 8	21°41'42	21°13	20° 7	0♋33	16°33	27°57	5°29	21°57	11° 3	20°18	28°16	26°40	13°22	n.a.	S 22
S 23	17 34 5	22°39'00	4♊46	19°26	1°47	17°10	28° 8	5°26	22° 1	11° 2	20°17	28°11	26°37	13°28	n.a.	S 23
M24	17 38 1	23°36'18	18° 8	18°48	3° 1	17°47	28°19	5°23	22° 4	11° 0	20°17	28° 4	26°33	13°35	n.a.	M24
T 25	17 41 58	24°33'38	1♋15	18°12	4°14	18°24	28°29	5°20	22° 7	10°59	20°16	27°55	26°30	13°42	n.a.	T 25
W26	17 45 55	25°30'59	14° 8	17°40	5°28	19° 1	28°40	5°17	22°10	10°58	20°16	27°45	26°27	13°48	n.a.	W26
T 27	17 49 51	26°28'20	26°45	17°12	6°42	19°39	28°50	5°14	22°13	10°57	20°15	27°35	26°24	13°55	n.a.	T 27
F 28	17 53 48	27°25'42	9♌ 7	16°49	7°56	20°16	29° 0	5°11	22°16	10°56	20°14	27°26	26°21	14° 2	n.a.	F 28
S 29	17 57 44	28°23'05	21°15	16°31	9°10	20°53	29°11	5° 8	22°19	10°55	20°14	27°18	26°18	14° 8	n.a.	S 29
S 30	18 1 41	29♊20'29	3♍13	16♊18	10♋24	21♌31	29♈21	5♒ 5	22♉22	10♏54	20♒13	27♈13	26♈14	14♍15	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n47	21n54	5n 3	23n11	0s31	21n45	0n23	20n47	1n18	8n24	1s 3	20s21	1s22	18n 4	0s 8	13s47	1n49	29s41	15s43	11n14	10n50	11n 0		n.a.
S 2	20 59	17 40	4 40	22 58	0 45	22 1	0 25	20 37	1 17	8 29	1 3	20 21	1 22	18 5	0 8	13 46	1 48	29 42	15 44	11 14	10 49	10 57		n.a.
M 3	21 10	12 47	4 5	22 44	0 59	22 16	0 28	20 28	1 16	8 33	1 3	20 21	1 22	18 6	0 8	13 46	1 48	29 42	15 44	11 14	10 47	10 53		n.a.
T 4	21 21	7 28	3 21	22 30	1 14	22 30	0 30	20 18	1 15	8 38	1 4	20 22	1 23	18 7	0 8	13 45	1 48	29 43	15 44	11 14	10 46	10 50		n.a.
W 5	21 31	1 52	2 27	22 16	1 29	22 44	0 32	20 9	1 14	8 42	1 4	20 22	1 23	18 8	0 8	13 45	1 48	29 43	15 45	11 15	10 45	10 47		n.a.
T 6	21 41	3s52	1 26	22 1	1 44	22 57	0 34	19 59	1 13	8 47	1 4	20 23	1 23	18 9	0 8	13 45	1 48	29 43	15 45	11 15	10 44	10 44		n.a.
F 7	21 51	9 33	0 21	21 46	1 59	23 10	0 36	19 49	1 13	8 51	1 4	20 23	1 23	18 10	0 8	13 44	1 48	29 44	15 46	11 16	10 43	10 41		n.a.
S 8	22 0	15 0	0s47	21 30	2 14	23 21	0 39	19 39	1 12	8 56	1 4	20 24	1 23	18 11	0 8	13 44	1 48	29 44	15 46	11 15	10 42	10 38		n.a.
S 9	22 9	19 56	1 54	21 15	2 29	23 32	0 41	19 28	1 11	9 0	1 4	20 24	1 24	18 12	0 8	13 43	1 48	29 45	15 46	11 15	10 41	10 35		n.a.
M10	22 18	24 2	2 56	21 0	2 44	23 43	0 43	19 18	1 10	9 4	1 4	20 25	1 24	18 12	0 8	13 43	1 48	29 45	15 47	11 13	10 39	10 31		n.a.
T 11	22 26	26 57	3 50	20 45	2 59	23 53	0 45	19 8	1 9	9 9	1 4	20 26	1 24	18 13	0 8	13 43	1 48	29 46	15 47	11 11	10 38	10 28		n.a.
W12	22 34	28 19	4 32	20 30	3 13	24 2	0 47	18 57	1 8	9 13	1 4	20 26	1 24	18 14	0 8	13 42	1 48	29 46	15 47	11 9	10 37	10 25		n.a.
T 13	22 42	27 55	4 59	20 16	3 26	24 10	0 49	18 46	1 8	9 17	1 4	20 27	1 24	18 15	0 8	13 42	1 48	29 46	15 48	11 7	10 36	10 22		n.a.
F 14	22 49	25 43	5 8	20 2	3 39	24 17	0 51	18 35	1 7	9 21	1 4	20 27	1 25	18 16	0 8	13 42	1 48	29 47	15 48	11 4	10 35	10 19		n.a.
S 15	22 55	21 56	4 58	19 49	3 51	24 24	0 53	18 24	1 6	9 26	1 4	20 28	1 25	18 17	0 8	13 41	1 48	29 47	15 48	11 2	10 34	10 15		n.a.
S 16	23 2	16 51	4 30	19 37	4 2	24 30	0 55	18 13	1 5	9 30	1 4	20 29	1 25	18 18	0 8	13 41	1 48	29 48	15 49	11 1	10 32	10 12		n.a.
M17	23 7	10 52	3 45	19 25	4 12	24 36	0 57	18 2	1 4	9 34	1 4	20 30	1 25	18 19	0 8	13 40	1 48	29 48	15 49	11 1	10 31	10 9		n.a.
T 18	23 13	4 21	2 47	19 15	4 20	24 41	0 58	17 50	1 3	9 38	1 4	20 30	1 25	18 20	0 8	13 40	1 48	29 49	15 49	11 1	10 30	10 6		n.a.
W19	23 18	2n21	1 39	19 6	4 27	24 45	1 0	17 38	1 3	9 42	1 4	20 31	1 26	18 20	0 8	13 40	1 48	29 49	15 50	11 1	10 29	10 3		n.a.
T 20	23 23	8 54	0 25	18 58	4 33	24 48	1 2	17 27	1 2	9 46	1 4	20 32	1 26	18 21	0 8	13 39	1 48	29 50	15 50	11 1	10 28	9 59		n.a.
F 21	23 27	14 59	0n49	18 51	4 37	24 50	1 4	17 15	1 1	9 50	1 5	20 33	1 26	18 22	0 8	13 39	1 48	29 50	15 50	11 1	10 27	9 56		n.a.
S 22	23 31	20 14	2 0	18 46	4 39	24 52	1 5	17 3	1 0	9 53	1 5	20 34	1 26	18 23	0 8	13 39	1 48	29 51	15 51	11 0	10 25	9 53		n.a.
S 23	23 34	24 23	3 3	18 43	4 39	24 53	1 7	16 51	0 59	9 57	1 5	20 34	1 26	18 24	0 8	13 39	1 48	29 51	15 51	10 59	10 24	9 50		n.a.
M24	23 37	27 7	3 54	18 41	4 38	24 53	1 8	16 39	0 59	10 1	1 5	20 35	1 27	18 25	0 8	13 38	1 48	29 52	15 51	10 56	10 23	9 47		n.a.
T 25	23 40	28 19	4 32	18 41	4 35	24 52	1 10	16 26	0 58	10 5	1 5	20 36	1 27	18 26	0 8	13 38	1 48	29 52	15 52	10 53	10 22	9 43		n.a.
W26	23 42	27 55	4 56	18 42	4 31	24 51	1 11	16 14	0 57	10 8	1 5	20 37	1 27	18 26	0 8	13 38	1 48	29 53	15 52	10 49	10 21	9 40		n.a.
T 27	23 44	26 4	5 4	18 46	4 25	24 49	1 13	16 1	0 56	10 12	1 5	20 38	1 27	18 27	0 8	13 37	1 47	29 53	15 52	10 46	10 20	9 37		n.a.
F 28	23 45	23 1	4 58	18 51	4 17	24 46	1 14	15 48	0 55	10 16	1 5	20 39	1 27	18 28	0 8	13 37	1 47	29 54	15 53	10 42	10 18	9 34		n.a.
S 29	23 46	19 0	4 38	18 58	4 8	24 43	1 15	15 36	0 54	10 19	1 5	20 40	1 28	18 29	0 8	13 37	1 47	29 54	15 53	10 39	10 17	9 31		n.a.
S 30	23n46	14n17	4n 7	19n 7	3s58	24n38	1n17	15n23	0n54	10n23	1s 5	20s41	1s28	18n30	0s 8	13s37	1n47	29s55	15s53	10n37	10n16	9n27		n.a.

Julian Day Number = 1481239.5, Delta T = 05h22m32s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'19, Lahiri = -13°02'19 Julian Calendar 1 June 658 BCE == Greg. Calendar 25 May 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

JULY 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 5 37	0♋17'54	15♍ 5	16°R12	11♋38	22♌ 8	29♈31	5°R 2	22♉25	10°R53	20°R12	27°R 9	26♈11	14♍22	n.a.	M 1
T 2	18 9 34	1°15'19	26°55	16°D11	12°52	22°46	29°40	4♒58	22°28	10♏53	20♒12	27°D 8	26° 8	14°28	n.a.	T 2
W 3	18 13 31	2°12'45	8♎48	16♊17	14° 6	23°23	29°50	4°55	22°31	10°52	20°11	27♈ 8	26° 5	14°35	n.a.	W 3
T 4	18 17 27	3°10'13	20°50	16°30	15°20	24° 1	29°59	4°51	22°34	10°51	20°10	27°R 9	26° 2	14°42	n.a.	T 4
F 5	18 21 24	4° 7'41	3♏ 5	16°49	16°34	24°39	0♉ 9	4°48	22°37	10°50	20° 9	27° 9	25°59	14°48	n.a.	F 5
S 6	18 25 20	5° 5'10	15°39	17°15	17°48	25°17	0°19	4°44	22°40	10°49	20° 8	27° 7	25°55	14°55	n.a.	S 6
S 7	18 29 17	6° 2'41	28°34	17°48	19° 2	25°55	0°28	4°40	22°43	10°49	20° 8	27° 3	25°52	15° 2	n.a.	S 7
M 8	18 33 13	7° 0'12	11♐54	18°27	20°16	26°33	0°37	4°37	22°46	10°48	20° 7	26°57	25°49	15° 8	n.a.	M 8
T 9	18 37 10	7°57'45	25°38	19°13	21°30	27°11	0°46	4°33	22°48	10°47	20° 6	26°49	25°46	15°15	n.a.	T 9
W10	18 41 6	8°55'19	9♑44	20° 6	22°44	27°49	0°55	4°29	22°51	10°46	20° 5	26°39	25°43	15°22	n.a.	W10
T 11	18 45 3	9°52'55	24° 6	21° 5	23°58	28°27	1° 4	4°25	22°54	10°46	20° 4	26°28	25°39	15°28	n.a.	T 11
F 12	18 49 0	10°50'32	8♒40	22°10	25°12	29° 6	1°13	4°21	22°56	10°45	20° 3	26°17	25°36	15°35	n.a.	F 12
S 13	18 52 56	11°48'10	23°16	23°22	26°26	29°44	1°21	4°17	22°59	10°45	20° 3	26° 9	25°33	15°42	n.a.	S 13
S 14	18 56 53	12°45'50	7♓50	24°38	27°40	0♍23	1°30	4°13	23° 2	10°44	20° 2	26° 3	25°30	15°49	n.a.	S 14
M15	19 0 49	13°43'32	22°15	26° 1	28°54	1° 1	1°38	4° 9	23° 4	10°44	20° 1	25°59	25°27	15°55	n.a.	M15
T 16	19 4 46	14°41'15	6♈29	27°28	0♌ 8	1°40	1°46	4° 5	23° 7	10°43	20° 0	25°58	25°24	16° 2	n.a.	T 16
W17	19 8 42	15°39'01	20°29	29° 1	1°22	2°19	1°54	4° 0	23° 9	10°43	19°59	25°58	25°20	16° 9	n.a.	W17
T 18	19 12 39	16°36'48	4♉16	0♋38	2°36	2°58	2° 2	3°56	23°12	10°42	19°58	25°58	25°17	16°15	n.a.	T 18
F 19	19 16 35	17°34'37	17°51	2°18	3°50	3°37	2°10	3°52	23°14	10°42	19°57	25°56	25°14	16°22	n.a.	F 19
S 20	19 20 32	18°32'28	1♊13	4° 3	5° 4	4°16	2°17	3°47	23°17	10°41	19°56	25°53	25°11	16°29	n.a.	S 20
S 21	19 24 29	19°30'21	14°24	5°50	6°18	4°55	2°25	3°43	23°19	10°41	19°55	25°46	25° 8	16°35	n.a.	S 21
M22	19 28 25	20°28'16	27°24	7°40	7°32	5°34	2°32	3°39	23°21	10°41	19°54	25°37	25° 5	16°42	n.a.	M22
T 23	19 32 22	21°26'13	10♋12	9°33	8°46	6°13	2°39	3°34	23°23	10°40	19°53	25°25	25° 1	16°49	n.a.	T 23
W24	19 36 18	22°24'11	22°49	11°27	10° 1	6°52	2°47	3°30	23°26	10°40	19°52	25°12	24°58	16°55	n.a.	W24
T 25	19 40 15	23°22'11	5♌13	13°23	11°15	7°32	2°53	3°25	23°28	10°40	19°51	24°58	24°55	17° 2	n.a.	T 25
F 26	19 44 11	24°20'13	17°26	15°19	12°29	8°11	3° 0	3°21	23°30	10°40	19°50	24°46	24°52	17° 9	n.a.	F 26
S 27	19 48 8	25°18'16	29°29	17°17	13°43	8°51	3° 7	3°16	23°32	10°40	19°49	24°35	24°49	17°15	n.a.	S 27
S 28	19 52 4	26°16'21	11♍23	19°15	14°57	9°30	3°13	3°12	23°34	10°39	19°47	24°26	24°45	17°22	n.a.	S 28
M29	19 56 1	27°14'27	23°12	21°13	16°11	10°10	3°19	3° 7	23°36	10°39	19°46	24°21	24°42	17°29	n.a.	M29
T 30	19 59 58	28°12'35	5♎ 0	23°11	17°25	10°50	3°26	3° 2	23°38	10°39	19°45	24°18	24°39	17°35	n.a.	T 30
W31	20 3 54	29♋10'45	16♎51	25♋ 9	18♌39	11♍30	3♉31	2♒58	23♉40	10°D39	19♒44	24♈17	24♈36	17♍42	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n47	9n 6	3n25	19n18	3s47	24n33	1n18	15n10	0n53	10n26	1s 5	20s42	1s28	18n30	0s 8	13s36	1n47	29s55	15s54	10n36	10n15	9n24			n.a.
T 2	23 46	3 35	2 34	19 30	3 34	24 27	1 19	14 56	0 52	10 30	1 5	20 43	1 28	18 31	0 8	13 36	1 47	29 56	15 54	10 36	10 14	9 21			n.a.
W 3	23 45	2s 4	1 36	19 43	3 21	24 21	1 20	14 43	0 51	10 33	1 6	20 44	1 28	18 32	0 8	13 36	1 47	29 56	15 54	10 36	10 13	9 18			n.a.
T 4	23 44	7 43	0 34	19 59	3 7	24 13	1 21	14 30	0 50	10 36	1 6	20 45	1 28	18 33	0 8	13 36	1 47	29 57	15 55	10 36	10 11	9 14			n.a.
F 5	23 43	13 12	0s32	20 15	2 53	24 5	1 22	14 16	0 50	10 40	1 6	20 46	1 29	18 33	0 8	13 36	1 47	29 57	15 55	10 36	10 10	9 11			n.a.
S 6	23 41	18 18	1 37	20 32	2 38	23 57	1 23	14 3	0 49	10 43	1 6	20 47	1 29	18 34	0 8	13 35	1 47	29 58	15 55	10 35	10 9	9 8			n.a.
S 7	23 38	22 42	2 39	20 50	2 23	23 47	1 24	13 49	0 48	10 46	1 6	20 48	1 29	18 35	0 8	13 35	1 47	29 58	15 55	10 34	10 8	9 5			n.a.
M 8	23 35	26 4	3 34	21 9	2 7	23 37	1 25	13 35	0 47	10 49	1 6	20 49	1 29	18 36	0 8	13 35	1 47	29 59	15 56	10 32	10 7	9 1			n.a.
T 9	23 32	28 1	4 18	21 29	1 51	23 26	1 25	13 21	0 47	10 52	1 6	20 50	1 29	18 36	0 8	13 35	1 47	29 59	15 56	10 29	10 6	8 58			n.a.
W10	23 28	28 13	4 49	21 49	1 36	23 14	1 26	13 7	0 46	10 55	1 6	20 51	1 29	18 37	0 8	13 35	1 47	30 0	15 56	10 25	10 4	8 55			n.a.
T 11	23 24	26 32	5 1	22 8	1 20	23 2	1 27	12 53	0 45	10 58	1 6	20 52	1 30	18 38	0 8	13 34	1 47	30 1	15 56	10 21	10 3	8 52			n.a.
F 12	23 20	23 5	4 54	22 28	1 5	22 49	1 27	12 38	0 44	11 1	1 6	20 54	1 30	18 38	0 8	13 34	1 47	30 1	15 57	10 17	10 2	8 48			n.a.
S 13	23 15	18 10	4 29	22 47	0 50	22 36	1 28	12 24	0 43	11 4	1 7	20 55	1 30	18 39	0 8	13 34	1 47	30 2	15 57	10 14	10 1	8 45			n.a.
S 14	23 9	12 14	3 46	23 5	0 35	22 21	1 28	12 9	0 43	11 7	1 7	20 56	1 30	18 40	0 8	13 34	1 47	30 2	15 57	10 12	10 0	8 42			n.a.
M15	23 3	5 41	2 48	23 22	0 21	22 6	1 28	11 55	0 42	11 10	1 7	20 57	1 30	18 40	0 8	13 34	1 46	30 3	15 57	10 11	9 59	8 39			n.a.
T 16	22 57	1n 4	1 41	23 38	0 7	21 51	1 28	11 40	0 41	11 13	1 7	20 58	1 30	18 41	0 8	13 34	1 46	30 3	15 58	10 10	9 57	8 35			n.a.
W17	22 51	7 40	0 29	23 52	0n 6	21 35	1 29	11 25	0 40	11 15	1 7	20 59	1 30	18 42	0 8	13 34	1 46	30 4	15 58	10 10	9 56	8 32			n.a.
T 18	22 44	13 49	0n44	24 5	0 19	21 18	1 29	11 10	0 39	11 18	1 7	21 0	1 31	18 42	0 8	13 34	1 46	30 4	15 58	10 10	9 55	8 29			n.a.
F 19	22 36	19 12	1 53	24 16	0 30	21 0	1 29	10 55	0 39	11 21	1 7	21 2	1 31	18 43	0 8	13 34	1 46	30 5	15 58	10 9	9 54	8 26			n.a.
S 20	22 28	23 32	2 55	24 24	0 41	20 42	1 29	10 40	0 38	11 23	1 7	21 3	1 31	18 44	0 8	13 34	1 46	30 5	15 59	10 8	9 53	8 22			n.a.
S 21	22 20	26 35	3 46	24 30	0 51	20 23	1 29	10 25	0 37	11 26	1 7	21 4	1 31	18 44	0 8	13 34	1 46	30 6	15 59	10 6	9 51	8 19			n.a.
M22	22 12	28 10	4 25	24 34	1 1	20 4	1 29	10 10	0 36	11 28	1 8	21 5	1 31	18 45	0 8	13 34	1 46	30 7	15 59	10 2	9 50	8 16			n.a.
T 23	22 3	28 11	4 49	24 35	1 9	19 44	1 28	9 54	0 36	11 31	1 8	21 6	1 31	18 45	0 8	13 33	1 46	30 7	15 59	9 58	9 49	8 12			n.a.
W24	21 53	26 44	4 59	24 33	1 17	19 24	1 28	9 39	0 35	11 33	1 8	21 7	1 31	18 46	0 8	13 33	1 46	30 8	15 59	9 53	9 48	8 9			n.a.
T 25	21 43	24 0	4 55	24 29	1 23	19 3	1 28	9 23	0 34	11 35	1 8	21 9	1 31	18 46	0 8	13 33	1 46	30 8	16 0	9 48	9 47	8 6			n.a.
F 26	21 33	20 13	4 37	24 22	1 29	18 42	1 27	9 8	0 33	11 37	1 8	21 10	1 32	18 47	0 8	13 33	1 46	30 9	16 0	9 43	9 46	8 3			n.a.
S 27	21 23	15 39	4 7	24 12	1 34	18 20	1 27	8 52	0 33	11 39	1 8	21 11	1 32	18 48	0 8	13 33	1 46	30 9	16 0	9 39	9 44	7 59			n.a.
S 28	21 12	10 34	3 26	24 0	1 38	17 57	1 26	8 36	0 32	11 42	1 8	21 12	1 32	18 48	0 8	13 34	1 46	30 10	16 0	9 36	9 43	7 56			n.a.
M29	21 0	5 7	2 36	23 45	1 42	17 34	1 26	8 20	0 31	11 44	1 8	21 13	1 32	18 49	0 8	13 34	1 46	30 10	16 0	9 34	9 42	7 53			n.a.
T 30	20 49	0s29	1 40	23 28	1 44	17 11	1 25	8 4	0 30	11 46	1 9	21 15	1 32	18 49	0 8	13 34	1 46	30 11	16 0	9 33	9 41	7 49			n.a.
W31	20n37	6s 6	0n39	23n 9	1n46	16n47	1n24	7n48	0n29	11n48	1s 9	21s16	1s32	18n50	0s 8	13s34	1n45	30s11	16s 1	9n33	9n40	7n46			n.a.

Julian Day Number = 1481269.5, Delta T = 05h22m31s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'15, Lahiri = -13°02'15 Julian Calendar 1 July 658 BCE == Greg. Calendar 24 June 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

AUGUST 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 7 51	0♌ 8'56	28♎50	27♋ 6	19♌53	12♍10	3♉37	2°R53	23♉42	10♏39	19°R43	24°R17	24♈33	17♍49	n.a.	T 1
F 2	20 11 47	1° 7'09	11♏ 3	29° 3	21° 7	12°50	3°43	2♒49	23°44	10°39	19♒42	24♈17	24°30	17°55	n.a.	F 2
S 3	20 15 44	2° 5'23	23°36	0♌58	22°21	13°30	3°48	2°44	23°46	10°39	19°41	24°15	24°26	18° 2	n.a.	S 3
S 4	20 19 40	3° 3'40	6♐32	2°53	23°35	14°10	3°54	2°39	23°47	10°40	19°40	24°12	24°23	18° 9	n.a.	S 4
M 5	20 23 37	4° 1'58	19°56	4°48	24°49	14°50	3°59	2°35	23°49	10°40	19°38	24° 5	24°20	18°15	n.a.	M 5
T 6	20 27 33	5° 0'17	3♑48	6°41	26° 3	15°30	4° 4	2°30	23°51	10°40	19°37	23°57	24°17	18°22	n.a.	T 6
W 7	20 31 30	5°58'39	18° 7	8°33	27°17	16°11	4° 9	2°25	23°52	10°40	19°36	23°47	24°14	18°29	n.a.	W 7
T 8	20 35 27	6°57'02	2♒48	10°24	28°31	16°51	4°13	2°21	23°54	10°40	19°35	23°36	24°11	18°35	n.a.	T 8
F 9	20 39 23	7°55'28	17°44	12°14	29°45	17°32	4°18	2°16	23°56	10°41	19°34	23°25	24° 7	18°42	n.a.	F 9
S 10	20 43 20	8°53'55	2♓44	14° 3	0♍59	18°12	4°22	2°12	23°57	10°41	19°33	23°16	24° 4	18°49	n.a.	S 10
S 11	20 47 16	9°52'24	17°40	15°50	2°13	18°53	4°26	2° 7	23°58	10°41	19°31	23°10	24° 1	18°55	n.a.	S 11
M12	20 51 13	10°50'56	2♈25	17°37	3°27	19°33	4°30	2° 3	24° 0	10°42	19°30	23° 6	23°58	19° 2	n.a.	M12
T 13	20 55 9	11°49'30	16°52	19°23	4°41	20°14	4°34	1°58	24° 1	10°42	19°29	23°D 4	23°55	19° 9	n.a.	T 13
W14	20 59 6	12°48'06	0♉59	21° 7	5°55	20°55	4°37	1°54	24° 2	10°42	19°28	23° 5	23°51	19°15	n.a.	W14
T 15	21 3 2	13°46'45	14°46	22°51	7° 8	21°36	4°41	1°49	24° 4	10°43	19°27	23°R 5	23°48	19°22	n.a.	T 15
F 16	21 6 59	14°45'26	28°14	24°33	8°22	22°17	4°44	1°45	24° 5	10°43	19°25	23° 4	23°45	19°29	n.a.	F 16
S 17	21 10 55	15°44'09	11♊24	26°15	9°36	22°58	4°47	1°40	24° 6	10°44	19°24	23° 1	23°42	19°35	n.a.	S 17
S 18	21 14 52	16°42'55	24°20	27°55	10°50	23°39	4°50	1°36	24° 7	10°45	19°23	22°56	23°39	19°42	n.a.	S 18
M19	21 18 49	17°41'44	7♋ 2	29°35	12° 4	24°20	4°52	1°31	24° 8	10°45	19°22	22°48	23°36	19°49	n.a.	M19
T 20	21 22 45	18°40'34	19°32	1♍13	13°18	25° 2	4°55	1°27	24° 9	10°46	19°20	22°38	23°32	19°55	n.a.	T 20
W21	21 26 42	19°39'27	1♌53	2°51	14°32	25°43	4°57	1°23	24°10	10°46	19°19	22°26	23°29	20° 2	n.a.	W21
T 22	21 30 38	20°38'22	14° 4	4°27	15°46	26°25	4°59	1°19	24°11	10°47	19°18	22°14	23°26	20° 9	n.a.	T 22
F 23	21 34 35	21°37'19	26° 7	6° 3	17° 0	27° 6	5° 1	1°14	24°12	10°48	19°17	22° 3	23°23	20°15	n.a.	F 23
S 24	21 38 31	22°36'18	8♍ 3	7°37	18°14	27°48	5° 2	1°10	24°13	10°49	19°16	21°54	23°20	20°22	n.a.	S 24
S 25	21 42 28	23°35'19	19°53	9°11	19°27	28°29	5° 4	1° 6	24°13	10°49	19°14	21°47	23°17	20°29	n.a.	S 25
M26	21 46 24	24°34'22	1♎40	10°44	20°41	29°11	5° 5	1° 2	24°14	10°50	19°13	21°42	23°13	20°35	n.a.	M26
T 27	21 50 21	25°33'28	13°27	12°16	21°55	29°53	5° 6	0°58	24°15	10°51	19°12	21°40	23°10	20°42	n.a.	T 27
W28	21 54 18	26°32'35	25°17	13°47	23° 9	0♎35	5° 7	0°54	24°15	10°52	19°11	21°D39	23° 7	20°49	n.a.	W28
T 29	21 58 14	27°31'44	7♏16	15°17	24°23	1°17	5° 8	0°50	24°16	10°53	19°10	21°40	23° 4	20°55	n.a.	T 29
F 30	22 2 11	28°30'55	19°27	16°46	25°36	1°59	5° 8	0°46	24°16	10°54	19° 8	21°41	23° 1	21° 2	n.a.	F 30
S 31	22 6 7	29♌30'08	1♐56	18♍15	26♍50	2♎41	5♉ 8	0♒43	24♉17	10♏55	19♒ 7	21°R41	22♈57	21♍ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n24	11s35	0s24	22n47	1n47	16n22	1n23	7n32	0n29	11n49	1s 9	21s17	1s32	18n50	0s 8	13s34	1n45	30s12	16s 1	9n33	9n39	7n43		n.a.
F 2	20 11	16 44	1 28	22 24	1 48	15 58	1 22	7 16	0 28	11 51	1 9	21 18	1 32	18 51	0 8	13 34	1 45	30 12	16 1	9 32	9 37	7 39		n.a.
S 3	19 58	21 20	2 29	21 58	1 48	15 32	1 21	7 0	0 27	11 53	1 9	21 19	1 32	18 51	0 8	13 34	1 45	30 13	16 1	9 32	9 36	7 36		n.a.
S 4	19 45	25 3	3 24	21 31	1 47	15 7	1 20	6 43	0 26	11 55	1 9	21 20	1 32	18 51	0 8	13 34	1 45	30 13	16 1	9 31	9 35	7 33		n.a.
M 5	19 31	27 32	4 10	21 2	1 46	14 41	1 19	6 27	0 26	11 56	1 9	21 22	1 32	18 52	0 8	13 34	1 45	30 14	16 1	9 28	9 34	7 30		n.a.
T 6	19 17	28 26	4 43	20 32	1 44	14 14	1 18	6 10	0 25	11 58	1 9	21 23	1 33	18 52	0 8	13 34	1 45	30 14	16 1	9 25	9 33	7 26		n.a.
W 7	19 3	27 29	5 0	20 0	1 41	13 47	1 17	5 54	0 24	11 59	1 10	21 24	1 33	18 53	0 8	13 34	1 45	30 15	16 1	9 21	9 31	7 23		n.a.
T 8	18 48	24 37	4 57	19 28	1 38	13 20	1 16	5 37	0 23	12 1	1 10	21 25	1 33	18 53	0 8	13 34	1 45	30 15	16 2	9 17	9 30	7 20		n.a.
F 9	18 33	20 5	4 35	18 53	1 35	12 53	1 14	5 21	0 23	12 2	1 10	21 26	1 33	18 54	0 8	13 35	1 45	30 16	16 2	9 13	9 29	7 16		n.a.
S 10	18 17	14 16	3 53	18 18	1 32	12 25	1 13	5 4	0 22	12 3	1 10	21 27	1 33	18 54	0 8	13 35	1 45	30 16	16 2	9 10	9 28	7 13		n.a.
S 11	18 1	7 38	2 56	17 42	1 28	11 57	1 11	4 47	0 21	12 5	1 10	21 28	1 33	18 54	0 8	13 35	1 45	30 17	16 2	9 7	9 27	7 10		n.a.
M12	17 45	0 40	1 47	17 5	1 23	11 28	1 10	4 30	0 20	12 6	1 10	21 29	1 33	18 55	0 8	13 35	1 45	30 17	16 2	9 6	9 25	7 6		n.a.
T 13	17 29	6n13	0 33	16 27	1 18	10 59	1 8	4 13	0 20	12 7	1 10	21 31	1 33	18 55	0 8	13 35	1 45	30 18	16 2	9 6	9 24	7 3		n.a.
W14	17 12	12 38	0n42	15 49	1 13	10 30	1 7	3 56	0 19	12 8	1 10	21 32	1 33	18 55	0 8	13 35	1 45	30 18	16 2	9 6	9 23	7 0		n.a.
T 15	16 55	18 17	1 53	15 10	1 8	10 1	1 5	3 39	0 18	12 9	1 11	21 33	1 33	18 56	0 8	13 36	1 44	30 19	16 2	9 6	9 22	6 56		n.a.
F 16	16 38	22 53	2 55	14 30	1 3	9 31	1 3	3 22	0 17	12 10	1 11	21 34	1 33	18 56	0 8	13 36	1 44	30 19	16 2	9 5	9 21	6 53		n.a.
S 17	16 21	26 13	3 47	13 50	0 57	9 1	1 1	3 5	0 17	12 11	1 11	21 35	1 33	18 56	0 8	13 36	1 44	30 20	16 2	9 4	9 20	6 50		n.a.
S 18	16 3	28 5	4 26	13 10	0 51	8 31	0 59	2 48	0 16	12 12	1 11	21 36	1 33	18 56	0 8	13 36	1 44	30 20	16 2	9 2	9 18	6 46		n.a.
M19	15 45	28 27	4 52	12 29	0 45	8 1	0 57	2 31	0 15	12 13	1 11	21 37	1 33	18 57	0 8	13 37	1 44	30 21	16 2	8 59	9 17	6 43		n.a.
T 20	15 26	27 19	5 2	11 47	0 38	7 30	0 55	2 13	0 14	12 13	1 11	21 38	1 33	18 57	0 8	13 37	1 44	30 21	16 2	8 56	9 16	6 40		n.a.
W21	15 8	24 52	4 59	11 6	0 32	6 59	0 53	1 56	0 14	12 14	1 11	21 39	1 33	18 57	0 8	13 37	1 44	30 21	16 2	8 51	9 15	6 36		n.a.
T 22	14 49	21 19	4 42	10 24	0 25	6 28	0 51	1 39	0 13	12 14	1 12	21 40	1 33	18 57	0 8	13 37	1 44	30 22	16 2	8 47	9 14	6 33		n.a.
F 23	14 30	16 56	4 12	9 42	0 18	5 57	0 49	1 21	0 12	12 15	1 12	21 41	1 33	18 58	0 8	13 38	1 44	30 22	16 2	8 42	9 12	6 30		n.a.
S 24	14 10	11 56	3 31	9 0	0 12	5 26	0 47	1 4	0 12	12 15	1 12	21 42	1 33	18 58	0 8	13 38	1 44	30 23	16 2	8 39	9 11	6 26		n.a.
S 25	13 51	6 32	2 42	8 18	0 5	4 54	0 44	0 46	0 11	12 16	1 12	21 43	1 33	18 58	0 8	13 38	1 44	30 23	16 2	8 36	9 10	6 23		n.a.
M26	13 31	0 56	1 45	7 36	0s 3	4 23	0 42	0 29	0 10	12 16	1 12	21 44	1 33	18 58	0 8	13 39	1 44	30 24	16 2	8 34	9 9	6 20		n.a.
T 27	13 11	4s42	0 44	6 54	0 10	3 51	0 40	0 11	0 9	12 16	1 12	21 45	1 33	18 58	0 8	13 39	1 44	30 24	16 2	8 33	9 8	6 16		n.a.
W28	12 51	10 13	0s20	6 12	0 17	3 19	0 37	0s 6	0 9	12 16	1 12	21 45	1 33	18 58	0 8	13 39	1 44	30 24	16 2	8 33	9 6	6 13		n.a.
T 29	12 30	15 26	1 23	5 30	0 24	2 48	0 35	0 24	0 8	12 17	1 13	21 46	1 33	18 59	0 8	13 40	1 44	30 25	16 2	8 34	9 5	6 10		n.a.
F 30	12 9	20 9	2 24	4 49	0 32	2 16	0 32	0 41	0 7	12 17	1 13	21 47	1 33	18 59	0 8	13 40	1 44	30 25	16 2	8 34	9 4	6 6		n.a.
S 31	11n48	24s 6	3s20	4n 7	0s39	1n44	0n30	0s59	0n 6	12n17	1s13	21s48	1s33	18n59	0s 8	13s40	1n43	30s25	16s 2	8n34	9n 3	6n 3		n.a.

Julian Day Number = 1481300.5, Delta T = 05h22m29s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'11, Lahiri = -13°02'11 Julian Calendar 1 Aug. 658 BCE == Greg. Calendar 25 July 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

SEPTEMBER 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 10 4	0♍29'23	14♐48	19♍42	28♍ 4	3♎23	5°R 8	0°R39	24♉17	10♏56	19°R 6	21°R40	22♈54	21♍15	n.a.	S 1
M 2	22 14 0	1°28'40	28° 7	21° 9	29°18	4° 5	5♉ 8	0♒35	24°17	10°57	19♒ 5	21♈37	22°51	21°22	n.a.	M 2
T 3	22 17 57	2°27'59	11♑56	22°34	0♎31	4°47	5° 8	0°32	24°17	10°58	19° 4	21°32	22°48	21°29	n.a.	T 3
W 4	22 21 53	3°27'20	26°13	23°59	1°45	5°30	5° 7	0°28	24°18	10°59	19° 2	21°26	22°45	21°35	n.a.	W 4
T 5	22 25 50	4°26'43	10♒57	25°23	2°59	6°12	5° 6	0°25	24°18	11° 0	19° 1	21°18	22°42	21°42	n.a.	T 5
F 6	22 29 47	5°26'07	26° 0	26°45	4°13	6°55	5° 6	0°22	24°18	11° 1	19° 0	21°11	22°38	21°49	n.a.	F 6
S 7	22 33 43	6°25'34	11♓14	28° 7	5°26	7°37	5° 4	0°18	24°R18	11° 3	18°59	21° 5	22°35	21°55	n.a.	S 7
S 8	22 37 40	7°25'03	26°27	29°27	6°40	8°20	5° 3	0°15	24°18	11° 4	18°58	21° 1	22°32	22° 2	n.a.	S 8
M 9	22 41 36	8°24'34	11♈30	0♎47	7°53	9° 2	5° 1	0°12	24°18	11° 5	18°57	20°59	22°29	22° 9	n.a.	M 9
T 10	22 45 33	9°24'08	26°16	2° 5	9° 7	9°45	5° 0	0° 9	24°18	11° 6	18°55	20°D59	22°26	22°15	n.a.	T 10
W11	22 49 29	10°23'44	10♉38	3°22	10°21	10°28	4°58	0° 6	24°18	11° 8	18°54	21° 0	22°22	22°22	n.a.	W11
T 12	22 53 26	11°23'22	24°34	4°37	11°34	11°11	4°56	0° 3	24°17	11° 9	18°53	21° 1	22°19	22°29	n.a.	T 12
F 13	22 57 22	12°23'03	8♊ 7	5°51	12°48	11°54	4°53	0° 0	24°17	11°10	18°52	21°R 2	22°16	22°35	n.a.	F 13
S 14	23 1 19	13°22'46	21°16	7° 3	14° 1	12°37	4°51	29♑58	24°17	11°12	18°51	21° 2	22°13	22°42	n.a.	S 14
S 15	23 5 15	14°22'32	4♋ 5	8°14	15°15	13°20	4°48	29°55	24°16	11°13	18°50	21° 0	22°10	22°49	n.a.	S 15
M16	23 9 12	15°22'20	16°38	9°23	16°28	14° 3	4°45	29°52	24°16	11°14	18°49	20°56	22° 7	22°55	n.a.	M16
T 17	23 13 9	16°22'10	28°57	10°30	17°42	14°46	4°42	29°50	24°15	11°16	18°48	20°51	22° 3	23° 2	n.a.	T 17
W18	23 17 5	17°22'03	11♌ 5	11°34	18°55	15°29	4°39	29°48	24°15	11°17	18°47	20°46	22° 0	23° 9	n.a.	W18
T 19	23 21 2	18°21'58	23° 6	12°36	20° 9	16°13	4°35	29°45	24°14	11°19	18°46	20°39	21°57	23°15	n.a.	T 19
F 20	23 24 58	19°21'55	5♍ 0	13°36	21°22	16°56	4°31	29°43	24°14	11°20	18°45	20°34	21°54	23°22	n.a.	F 20
S 21	23 28 55	20°21'54	16°51	14°32	22°35	17°40	4°27	29°41	24°13	11°22	18°44	20°29	21°51	23°29	n.a.	S 21
S 22	23 32 51	21°21'55	28°39	15°25	23°49	18°23	4°23	29°39	24°12	11°24	18°43	20°25	21°48	23°35	n.a.	S 22
M23	23 36 48	22°21'58	10♎27	16°14	25° 2	19° 7	4°19	29°37	24°11	11°25	18°42	20°23	21°44	23°42	n.a.	M23
T 24	23 40 44	23°22'03	22°17	16°59	26°16	19°50	4°15	29°35	24°11	11°27	18°41	20°D23	21°41	23°49	n.a.	T 24
W25	23 44 41	24°22'10	4♏11	17°40	27°29	20°34	4°10	29°34	24°10	11°29	18°40	20°24	21°38	23°55	n.a.	W25
T 26	23 48 38	25°22'19	16°14	18°16	28°42	21°18	4° 5	29°32	24° 9	11°30	18°39	20°25	21°35	24° 2	n.a.	T 26
F 27	23 52 34	26°22'30	28°28	18°46	29°55	22° 2	4° 0	29°31	24° 8	11°32	18°38	20°27	21°32	24° 9	n.a.	F 27
S 28	23 56 31	27°22'42	10♐57	19°10	1♏ 9	22°46	3°55	29°29	24° 7	11°34	18°37	20°28	21°28	24°15	n.a.	S 28
S 29	0 0 27	28°22'56	23°46	19°27	2°22	23°30	3°50	29°28	24° 6	11°35	18°36	20°R29	21°25	24°22	n.a.	S 29
M30	0 4 24	29♍23'12	6♑58	19♎37	3♏35	24♎14	3♉44	29♑27	24♉ 4	11♏37	18♒35	20♈29	21♈22	24♍29	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n27	26s59	4s 7	3n25	0s46	1n12	0n27	1s17	0n 6	12n16	1s13	21s49	1s33	18n59	0s 8	13s41	1n43	30s26	16s 2	8n34	9n 2	6n 0		n.a.
M 2	11 6	28 28	4 43	2 44	0 54	0 39	0 24	1 34	0 5	12 16	1 13	21 50	1 33	18 59	0 8	13 41	1 43	30 26	16 2	8 33	9 0	5 56		n.a.
T 3	10 44	28 16	5 4	2 3	1 1	0 7	0 22	1 52	0 4	12 16	1 13	21 50	1 33	18 59	0 8	13 42	1 43	30 26	16 2	8 31	8 59	5 53		n.a.
W 4	10 23	26 13	5 7	1 23	1 8	0s25	0 19	2 10	0 4	12 16	1 13	21 51	1 33	18 59	0 8	13 42	1 43	30 27	16 2	8 28	8 58	5 49		n.a.
T 5	10 1	22 22	4 50	0 42	1 16	0 57	0 16	2 27	0 3	12 15	1 13	21 52	1 33	18 59	0 8	13 42	1 43	30 27	16 2	8 25	8 57	5 46		n.a.
F 6	9 39	16 59	4 13	0 3	1 23	1 29	0 14	2 45	0 2	12 15	1 14	21 53	1 33	18 59	0 8	13 43	1 43	30 27	16 2	8 23	8 56	5 43		n.a.
S 7	9 17	10 30	3 18	0s37	1 30	2 2	0 11	3 3	0 1	12 14	1 14	21 53	1 33	18 59	0 8	13 43	1 43	30 28	16 2	8 20	8 54	5 39		n.a.
S 8	8 54	3 24	2 9	1 16	1 37	2 34	0 8	3 20	0 1	12 14	1 14	21 54	1 33	18 59	0 8	13 44	1 43	30 28	16 2	8 19	8 53	5 36		n.a.
M 9	8 32	3n50	0 51	1 54	1 44	3 6	0 5	3 38	0s 0	12 13	1 14	21 55	1 33	18 59	0 8	13 44	1 43	30 28	16 1	8 18	8 52	5 33		n.a.
T 10	8 9	10 43	0n29	2 32	1 51	3 38	0 2	3 56	0 1	12 13	1 14	21 55	1 33	18 59	0 8	13 45	1 43	30 29	16 1	8 18	8 51	5 29		n.a.
W11	7 46	16 52	1 45	3 9	1 58	4 10	0s 1	4 13	0 1	12 12	1 14	21 56	1 33	18 59	0 8	13 45	1 43	30 29	16 1	8 18	8 50	5 26		n.a.
T 12	7 24	21 58	2 52	3 45	2 4	4 42	0 4	4 31	0 2	12 11	1 14	21 56	1 33	18 59	0 8	13 45	1 43	30 29	16 1	8 19	8 48	5 23		n.a.
F 13	7 1	25 43	3 48	4 21	2 11	5 13	0 7	4 49	0 3	12 10	1 14	21 57	1 33	18 59	0 8	13 46	1 43	30 29	16 1	8 19	8 47	5 19		n.a.
S 14	6 37	27 59	4 31	4 56	2 17	5 45	0 10	5 6	0 4	12 9	1 14	21 58	1 33	18 59	0 8	13 46	1 43	30 30	16 1	8 19	8 46	5 16		n.a.
S 15	6 14	28 41	4 58	5 29	2 23	6 17	0 13	5 24	0 4	12 8	1 15	21 58	1 33	18 59	0 8	13 47	1 43	30 30	16 1	8 18	8 45	5 12		n.a.
M16	5 51	27 51	5 10	6 2	2 28	6 48	0 16	5 42	0 5	12 7	1 15	21 59	1 33	18 59	0 8	13 47	1 43	30 30	16 1	8 17	8 44	5 9		n.a.
T 17	5 27	25 41	5 8	6 34	2 34	7 19	0 19	5 59	0 6	12 6	1 15	21 59	1 33	18 59	0 8	13 48	1 43	30 30	16 0	8 15	8 43	5 6		n.a.
W18	5 4	22 22	4 52	7 4	2 39	7 51	0 22	6 17	0 6	12 5	1 15	21 59	1 33	18 58	0 8	13 48	1 42	30 31	16 0	8 13	8 41	5 2		n.a.
T 19	4 40	18 9	4 23	7 33	2 44	8 22	0 25	6 34	0 7	12 3	1 15	22 0	1 33	18 58	0 8	13 49	1 42	30 31	16 0	8 11	8 40	4 59		n.a.
F 20	4 16	13 16	3 43	8 1	2 48	8 52	0 28	6 52	0 8	12 2	1 15	22 0	1 33	18 58	0 8	13 49	1 42	30 31	16 0	8 8	8 39	4 55		n.a.
S 21	3 52	7 55	2 54	8 26	2 52	9 23	0 31	7 9	0 8	12 1	1 15	22 1	1 33	18 58	0 8	13 50	1 42	30 31	16 0	8 7	8 38	4 52		n.a.
S 22	3 28	2 19	1 56	8 50	2 55	9 53	0 34	7 27	0 9	11 59	1 15	22 1	1 33	18 58	0 8	13 51	1 42	30 31	16 0	8 5	8 36	4 49		n.a.
M23	3 4	3s22	0 54	9 12	2 58	10 24	0 37	7 44	0 10	11 58	1 15	22 1	1 33	18 58	0 8	13 51	1 42	30 31	15 59	8 4	8 35	4 45		n.a.
T 24	2 40	8 57	0s10	9 32	3 0	10 53	0 40	8 2	0 11	11 56	1 15	22 2	1 32	18 57	0 8	13 52	1 42	30 32	15 59	8 4	8 34	4 42		n.a.
W25	2 16	14 16	1 15	9 49	3 2	11 23	0 43	8 19	0 11	11 54	1 15	22 2	1 32	18 57	0 8	13 52	1 42	30 32	15 59	8 5	8 33	4 38		n.a.
T 26	1 52	19 7	2 18	10 4	3 2	11 53	0 46	8 36	0 12	11 53	1 15	22 2	1 32	18 57	0 8	13 53	1 42	30 32	15 59	8 5	8 32	4 35		n.a.
F 27	1 28	23 16	3 15	10 15	3 2	12 22	0 49	8 54	0 13	11 51	1 15	22 3	1 32	18 57	0 8	13 53	1 42	30 32	15 59	8 6	8 30	4 32		n.a.
S 28	1 3	26 25	4 4	10 23	3 1	12 51	0 52	9 11	0 13	11 49	1 16	22 3	1 32	18 56	0 8	13 54	1 42	30 32	15 58	8 6	8 29	4 28		n.a.
S 29	0 39	28 20	4 42	10 28	2 58	13 19	0 55	9 28	0 14	11 47	1 16	22 3	1 32	18 56	0 8	13 55	1 42	30 32	15 58	8 7	8 28	4 25		n.a.
M30	0n15	28s42	5s 7	10s28	2s55	13s47	0s58	9s45	0s15	11n45	1s16	22s 3	1s32	18n56	0s 8	13s55	1n42	30s32	15s58	8n 7	8n27	4n22		n.a.

Julian Day Number = 1481331.5, Delta T = 05h22m28s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'07, Lahiri = -13°02'06 Julian Calendar 1 Sept. 658 BCE == Greg. Calendar 25 Aug. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

OCTOBER 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 8 20	0♎23'29	20♑36	19°R39	4♏48	24♎58	3°R39	29°R26	24°R 3	11♏39	18°R34	20°R28	21♈19	24♍35	n.a.	T 1
W 2	0 12 17	1°23'48	4♒41	19♎32	6° 1	25°42	3♉33	29♑25	24♉ 2	11°41	18♒34	20♈26	21°16	24°42	n.a.	W 2
T 3	0 16 13	2°24'08	19°12	19°16	7°14	26°26	3°27	29°24	24° 1	11°43	18°33	20°24	21°13	24°49	n.a.	T 3
F 4	0 20 10	3°24'30	4♓ 6	18°50	8°27	27°11	3°21	29°23	23°59	11°45	18°32	20°21	21° 9	24°55	n.a.	F 4
S 5	0 24 6	4°24'54	19°14	18°14	9°41	27°55	3°14	29°22	23°58	11°46	18°31	20°19	21° 6	25° 2	n.a.	S 5
S 6	0 28 3	5°25'19	4♈29	17°29	10°53	28°39	3° 8	29°22	23°57	11°48	18°30	20°18	21° 3	25° 9	n.a.	S 6
M 7	0 32 0	6°25'46	19°39	16°34	12° 6	29°24	3° 2	29°21	23°55	11°50	18°30	20°D18	21° 0	25°15	n.a.	M 7
T 8	0 35 56	7°26'15	4♉36	15°30	13°19	0♏ 8	2°55	29°21	23°54	11°52	18°29	20°18	20°57	25°22	n.a.	T 8
W 9	0 39 53	8°26'46	19°12	14°19	14°32	0°53	2°48	29°21	23°52	11°54	18°28	20°19	20°54	25°29	n.a.	W 9
T 10	0 43 49	9°27'18	3♊23	13° 3	15°45	1°37	2°41	29°21	23°51	11°56	18°27	20°20	20°50	25°35	n.a.	T 10
F 11	0 47 46	10°27'53	17° 6	11°43	16°58	2°22	2°34	29°D21	23°49	11°58	18°27	20°21	20°47	25°42	n.a.	F 11
S 12	0 51 42	11°28'30	0♋23	10°23	18°11	3° 7	2°27	29°21	23°47	12° 0	18°26	20°21	20°44	25°49	n.a.	S 12
S 13	0 55 39	12°29'08	13°15	9° 4	19°23	3°52	2°20	29°21	23°46	12° 2	18°25	20°R21	20°41	25°55	n.a.	S 13
M14	0 59 35	13°29'49	25°47	7°50	20°36	4°36	2°13	29°21	23°44	12° 4	18°25	20°21	20°38	26° 2	n.a.	M14
T 15	1 3 32	14°30'31	8♌ 2	6°42	21°49	5°21	2° 5	29°21	23°42	12° 6	18°24	20°21	20°34	26° 9	n.a.	T 15
W16	1 7 29	15°31'15	20° 5	5°43	23° 1	6° 6	1°58	29°22	23°40	12° 8	18°24	20°20	20°31	26°15	n.a.	W16
T 17	1 11 25	16°32'01	1♍59	4°54	24°14	6°51	1°50	29°23	23°38	12°10	18°23	20°20	20°28	26°22	n.a.	T 17
F 18	1 15 22	17°32'48	13°48	4°17	25°27	7°36	1°42	29°23	23°36	12°12	18°23	20°19	20°25	26°29	n.a.	F 18
S 19	1 19 18	18°33'37	25°36	3°51	26°39	8°21	1°35	29°24	23°34	12°15	18°22	20°19	20°22	26°35	n.a.	S 19
S 20	1 23 15	19°34'27	7♎25	3°37	27°52	9° 7	1°27	29°25	23°32	12°17	18°22	20°19	20°19	26°42	n.a.	S 20
M21	1 27 11	20°35'19	19°17	3°D34	29° 4	9°52	1°19	29°26	23°30	12°19	18°21	20°19	20°15	26°49	n.a.	M21
T 22	1 31 8	21°36'12	1♏14	3°42	0♐16	10°37	1°11	29°27	23°28	12°21	18°21	20°19	20°12	26°55	n.a.	T 22
W23	1 35 4	22°37'07	13°19	4° 0	1°29	11°23	1° 3	29°28	23°26	12°23	18°20	20°19	20° 9	27° 2	n.a.	W23
T 24	1 39 1	23°38'03	25°33	4°27	2°41	12° 8	0°55	29°30	23°24	12°25	18°20	20°18	20° 6	27° 9	n.a.	T 24
F 25	1 42 58	24°38'59	7♐58	5° 3	3°53	12°53	0°47	29°31	23°22	12°27	18°19	20°18	20° 3	27°15	n.a.	F 25
S 26	1 46 54	25°39'58	20°37	5°45	5° 6	13°39	0°38	29°33	23°20	12°30	18°19	20°17	19°59	27°22	n.a.	S 26
S 27	1 50 51	26°40'57	3♑31	6°35	6°18	14°24	0°30	29°35	23°18	12°32	18°19	20°16	19°56	27°29	n.a.	S 27
M28	1 54 47	27°41'57	16°42	7°30	7°30	15°10	0°22	29°36	23°15	12°34	18°18	20°16	19°53	27°35	n.a.	M28
T 29	1 58 44	28°42'57	0♒13	8°30	8°42	15°56	0°14	29°38	23°13	12°36	18°18	20°D16	19°50	27°42	n.a.	T 29
W30	2 2 40	29°43'59	14° 5	9°34	9°54	16°41	0° 6	29°40	23°11	12°38	18°18	20°16	19°47	27°49	n.a.	W30
T 31	2 6 37	0♏45'01	28♒18	10♎43	11♐ 6	17♏27	29♈58	29♑42	23♉ 9	12♏41	18♒18	20♈17	19♈44	27♍55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s 9	27s22	5s16	10s24	2s50	14s15	1s 1	10s 2	0s15	11n43	1s16	22s 3	1s32	18n56	0s 8	13s56	1n42	30s32	15s58	8n 6	8n26	4n18			n.a.
W 2	0 34	24 18	5 6	10 16	2 43	14 43	1 4	10 19	0 16	11 41	1 16	22 4	1 32	18 55	0 8	13 56	1 42	30 32	15 57	8 5	8 24	4 15			n.a.
T 3	0 58	19 39	4 37	10 2	2 35	15 10	1 7	10 36	0 17	11 39	1 16	22 4	1 32	18 55	0 8	13 57	1 42	30 33	15 57	8 5	8 23	4 11			n.a.
F 4	1 22	13 41	3 49	9 43	2 26	15 37	1 10	10 53	0 17	11 37	1 16	22 4	1 32	18 55	0 8	13 58	1 42	30 33	15 57	8 4	8 22	4 8			n.a.
S 5	1 47	6 49	2 44	9 19	2 14	16 3	1 12	11 9	0 18	11 35	1 16	22 4	1 32	18 54	0 8	13 58	1 42	30 33	15 57	8 3	8 21	4 4			n.a.
S 6	2 11	0n29	1 27	8 49	2 1	16 30	1 15	11 26	0 19	11 33	1 16	22 4	1 32	18 54	0 8	13 59	1 42	30 33	15 56	8 3	8 20	4 1			n.a.
M 7	2 35	7 44	0 4	8 13	1 46	16 55	1 18	11 43	0 19	11 30	1 16	22 4	1 32	18 54	0 8	13 59	1 42	30 33	15 56	8 2	8 18	3 58			n.a.
T 8	2 59	14 28	1n19	7 33	1 29	17 20	1 21	11 59	0 20	11 28	1 16	22 4	1 31	18 53	0 8	14 0	1 42	30 33	15 56	8 2	8 17	3 54			n.a.
W 9	3 24	20 14	2 34	6 49	1 11	17 45	1 24	12 16	0 21	11 26	1 16	22 4	1 31	18 53	0 8	14 1	1 42	30 33	15 56	8 3	8 16	3 51			n.a.
T 10	3 48	24 40	3 37	6 1	0 51	18 10	1 26	12 32	0 21	11 23	1 16	22 4	1 31	18 52	0 8	14 1	1 41	30 33	15 55	8 3	8 15	3 47			n.a.
F 11	4 12	27 33	4 26	5 10	0 31	18 34	1 29	12 48	0 22	11 21	1 16	22 4	1 31	18 52	0 8	14 2	1 41	30 33	15 55	8 3	8 14	3 44			n.a.
S 12	4 36	28 45	4 58	4 19	0 10	18 57	1 32	13 5	0 22	11 19	1 16	22 4	1 31	18 52	0 8	14 3	1 41	30 33	15 55	8 4	8 12	3 41			n.a.
S 13	5 0	28 20	5 15	3 29	0n10	19 20	1 34	13 21	0 23	11 16	1 16	22 4	1 31	18 51	0 8	14 3	1 41	30 33	15 55	8 4	8 11	3 37			n.a.
M14	5 24	26 27	5 16	2 41	0 30	19 42	1 37	13 37	0 24	11 14	1 16	22 3	1 31	18 51	0 8	14 4	1 41	30 32	15 54	8 4	8 10	3 34			n.a.
T 15	5 48	23 23	5 3	1 56	0 49	20 4	1 39	13 52	0 24	11 11	1 16	22 3	1 31	18 50	0 8	14 5	1 41	30 32	15 54	8 4	8 9	3 30			n.a.
W16	6 12	19 21	4 36	1 17	1 7	20 26	1 42	14 8	0 25	11 8	1 16	22 3	1 31	18 50	0 8	14 5	1 41	30 32	15 54	8 3	8 8	3 27			n.a.
T 17	6 35	14 36	3 58	0 42	1 23	20 47	1 44	14 24	0 26	11 6	1 16	22 3	1 31	18 49	0 8	14 6	1 41	30 32	15 53	8 3	8 6	3 24			n.a.
F 18	6 59	9 22	3 9	0 14	1 38	21 7	1 46	14 39	0 26	11 3	1 16	22 3	1 31	18 49	0 8	14 7	1 41	30 32	15 53	8 3	8 5	3 20			n.a.
S 19	7 22	3 48	2 13	0n 8	1 50	21 27	1 49	14 55	0 27	11 0	1 16	22 2	1 31	18 48	0 8	14 7	1 41	30 32	15 53	8 3	8 4	3 17			n.a.
S 20	7 46	1s54	1 11	0 23	2 0	21 46	1 51	15 10	0 28	10 58	1 16	22 2	1 30	18 48	0 8	14 8	1 41	30 32	15 53	8 3	8 3	3 13			n.a.
M21	8 9	7 34	0 6	0 32	2 9	22 4	1 53	15 25	0 28	10 55	1 15	22 2	1 30	18 47	0 8	14 9	1 41	30 32	15 52	8 3	8 1	3 10			n.a.
T 22	8 32	13 1	1s 0	0 35	2 16	22 22	1 55	15 40	0 29	10 52	1 15	22 1	1 30	18 47	0 8	14 9	1 41	30 32	15 52	8 3	8 0	3 6			n.a.
W23	8 55	18 2	2 4	0 32	2 21	22 40	1 57	15 55	0 29	10 50	1 15	22 1	1 30	18 46	0 8	14 10	1 41	30 32	15 52	8 3	7 59	3 3			n.a.
T 24	9 18	22 23	3 4	0 25	2 24	22 56	1 59	16 10	0 30	10 47	1 15	22 1	1 30	18 46	0 8	14 11	1 41	30 31	15 51	8 3	7 58	3 0			n.a.
F 25	9 41	25 49	3 55	0 13	2 27	23 13	2 1	16 25	0 31	10 44	1 15	22 0	1 30	18 45	0 8	14 11	1 41	30 31	15 51	8 2	7 57	2 56			n.a.
S 26	10 3	28 2	4 36	0s 4	2 28	23 28	2 3	16 39	0 31	10 41	1 15	22 0	1 30	18 45	0 8	14 12	1 41	30 31	15 51	8 2	7 55	2 53			n.a.
S 27	10 26	28 48	5 4	0 24	2 28	23 43	2 5	16 54	0 32	10 39	1 15	21 59	1 30	18 44	0 8	14 13	1 41	30 31	15 50	8 2	7 54	2 49			n.a.
M28	10 48	27 57	5 17	0 47	2 26	23 57	2 7	17 8	0 32	10 36	1 15	21 59	1 30	18 44	0 8	14 13	1 41	30 31	15 50	8 2	7 53	2 46			n.a.
T 29	11 10	25 28	5 13	1 13	2 24	24 10	2 8	17 22	0 33	10 33	1 15	21 58	1 30	18 43	0 7	14 14	1 41	30 30	15 50	8 2	7 52	2 42			n.a.
W30	11 32	21 27	4 51	1 41	2 22	24 23	2 10	17 36	0 34	10 30	1 15	21 58	1 30	18 43	0 7	14 15	1 41	30 30	15 49	8 2	7 50	2 39			n.a.
T 31	11s54	16s 8	4s10	2s11	2n18	24s35	2s11	17s49	0s34	10n27	1s14	21s57	1s30	18n42	0s 7	14s16	1n41	30s30	15s49	8n 2	7n49	2n36			n.a.

Julian Day Number = 1481361.5, Delta T = 05h22m26s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°09'03, Lahiri = -13°02'02 Julian Calendar 1 Oct. 658 BCE == Greg. Calendar 24 Sept. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

NOVEMBER 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 10 33	1♏46'04	12♓50	11♎54	12♐17	18♏13	29°R49	29♑45	23°R 6	12♏43	18°R17	20♈18	19♈40	28♍ 2	n.a.	F 1
S 2	2 14 30	2°47'07	27°37	13° 9	13°29	18°59	29♈41	29°47	23♉ 4	12°45	18♒17	20°19	19°37	28° 8	n.a.	S 2
S 3	2 18 27	3°48'12	12♈34	14°26	14°41	19°45	29°33	29°49	23° 2	12°47	18°17	20°19	19°34	28°15	n.a.	S 3
M 4	2 22 23	4°49'17	27°33	15°45	15°52	20°30	29°25	29°52	22°59	12°50	18°17	20°R19	19°31	28°22	n.a.	M 4
T 5	2 26 20	5°50'23	12♉25	17° 6	17° 4	21°16	29°17	29°54	22°57	12°52	18°17	20°18	19°28	28°28	n.a.	T 5
W 6	2 30 16	6°51'30	27° 3	18°28	18°15	22° 2	29° 9	29°57	22°54	12°54	18°17	20°17	19°25	28°35	n.a.	W 6
T 7	2 34 13	7°52'38	11♊21	19°52	19°27	22°48	29° 1	29°59	22°52	12°56	18°17	20°14	19°21	28°42	n.a.	T 7
F 8	2 38 9	8°53'47	25°13	21°16	20°38	23°35	28°53	0♒ 3	22°49	12°59	18°17	20°12	19°18	28°48	n.a.	F 8
S 9	2 42 6	9°54'57	8♋39	22°42	21°49	24°21	28°45	0° 6	22°47	13° 1	18°D17	20° 9	19°15	28°55	n.a.	S 9
S 10	2 46 3	10°56'08	21°38	24° 9	23° 0	25° 7	28°37	0° 9	22°44	13° 3	18°17	20° 7	19°12	29° 2	n.a.	S 10
M11	2 49 59	11°57'19	4♌15	25°36	24°11	25°53	28°29	0°12	22°42	13° 5	18°17	20° 6	19° 9	29° 8	n.a.	M11
T 12	2 53 56	12°58'32	16°32	27° 4	25°22	26°39	28°22	0°15	22°39	13° 8	18°17	20°D 6	19° 5	29°15	n.a.	T 12
W13	2 57 52	13°59'45	28°34	28°33	26°33	27°26	28°14	0°19	22°37	13°10	18°17	20° 7	19° 2	29°22	n.a.	W13
T 14	3 1 49	15° 0'59	10♍27	0♏ 2	27°44	28°12	28° 6	0°22	22°34	13°12	18°17	20° 8	18°59	29°28	n.a.	T 14
F 15	3 5 45	16° 2'14	22°14	1°32	28°54	28°58	27°59	0°26	22°32	13°14	18°17	20°10	18°56	29°35	n.a.	F 15
S 16	3 9 42	17° 3'30	4♎ 2	3° 2	0♑ 5	29°45	27°52	0°29	22°29	13°17	18°17	20°12	18°53	29°42	n.a.	S 16
S 17	3 13 38	18° 4'46	15°53	4°32	1°15	0♐31	27°44	0°33	22°27	13°19	18°17	20°R13	18°50	29°48	n.a.	S 17
M18	3 17 35	19° 6'02	27°51	6° 3	2°26	1°18	27°37	0°37	22°24	13°21	18°17	20°12	18°46	29°55	n.a.	M18
T 19	3 21 32	20° 7'19	9♏58	7°34	3°36	2° 4	27°30	0°41	22°22	13°23	18°18	20°11	18°43	0♎ 2	n.a.	T 19
W20	3 25 28	21° 8'37	22°17	9° 5	4°46	2°51	27°23	0°45	22°19	13°26	18°18	20° 7	18°40	0° 8	n.a.	W20
T 21	3 29 25	22° 9'55	4♐49	10°37	5°56	3°37	27°17	0°49	22°16	13°28	18°18	20° 3	18°37	0°15	n.a.	T 21
F 22	3 33 21	23°11'13	17°34	12° 9	7° 6	4°24	27°10	0°53	22°14	13°30	18°18	19°57	18°34	0°22	n.a.	F 22
S 23	3 37 18	24°12'31	0♑31	13°41	8°15	5°11	27° 3	0°57	22°11	13°32	18°19	19°51	18°31	0°28	n.a.	S 23
S 24	3 41 14	25°13'49	13°42	15°13	9°25	5°57	26°57	1° 2	22° 9	13°35	18°19	19°45	18°27	0°35	n.a.	S 24
M25	3 45 11	26°15'07	27° 5	16°46	10°35	6°44	26°51	1° 6	22° 6	13°37	18°19	19°40	18°24	0°42	n.a.	M25
T 26	3 49 8	27°16'24	10♒41	18°19	11°44	7°31	26°45	1°11	22° 4	13°39	18°20	19°37	18°21	0°48	n.a.	T 26
W27	3 53 4	28°17'41	24°29	19°52	12°53	8°18	26°39	1°15	22° 1	13°41	18°20	19°D36	18°18	0°55	n.a.	W27
T 28	3 57 1	29°18'58	8♓29	21°26	14° 2	9° 5	26°33	1°20	21°58	13°44	18°21	19°36	18°15	1° 1	n.a.	T 28
F 29	4 0 57	0♐20'15	22°41	23° 0	15°11	9°51	26°27	1°25	21°56	13°46	18°21	19°37	18°11	1° 8	n.a.	F 29
S 30	4 4 54	1♐21'31	7♈ 3	24♏34	16♑20	10♐38	26♈22	1♒30	21♉53	13♏48	18♒22	19♈39	18♈ 8	1♎15	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s15	9s48	3s13	2s43	2n14	24s47	2s13	18s 3	0s35	10n25	1s14	21s57	1s29	18n41	0s 7	14s16	1n41	30s30	15s49	8n 2	7n48	2n32		n.a.
S 2	12 37	2 50	2 3	3 17	2 10	24 57	2 14	18 16	0 35	10 22	1 14	21 56	1 29	18 41	0 7	14 17	1 41	30 29	15 48	8 3	7 47	2 29		n.a.
S 3	12 58	4n22	0 43	3 51	2 5	25 7	2 15	18 30	0 36	10 19	1 14	21 56	1 29	18 40	0 7	14 18	1 41	30 29	15 48	8 3	7 46	2 25		n.a.
M 4	13 19	11 22	0n40	4 27	1 59	25 16	2 16	18 43	0 36	10 16	1 14	21 55	1 29	18 40	0 7	14 18	1 41	30 29	15 48	8 3	7 44	2 22		n.a.
T 5	13 39	17 40	1 59	5 4	1 53	25 25	2 17	18 56	0 37	10 14	1 14	21 54	1 29	18 39	0 7	14 19	1 41	30 29	15 47	8 3	7 43	2 18		n.a.
W 6	14 0	22 51	3 10	5 41	1 47	25 33	2 18	19 8	0 38	10 11	1 14	21 54	1 29	18 38	0 7	14 20	1 41	30 28	15 47	8 2	7 42	2 15		n.a.
T 7	14 20	26 31	4 6	6 19	1 41	25 40	2 19	19 21	0 38	10 8	1 13	21 53	1 29	18 38	0 7	14 20	1 41	30 28	15 47	8 1	7 41	2 11		n.a.
F 8	14 40	28 27	4 46	6 57	1 35	25 46	2 20	19 33	0 39	10 5	1 13	21 52	1 29	18 37	0 7	14 21	1 41	30 28	15 46	8 0	7 40	2 8		n.a.
S 9	15 0	28 38	5 9	7 35	1 28	25 52	2 21	19 45	0 39	10 3	1 13	21 52	1 29	18 36	0 7	14 22	1 41	30 27	15 46	7 59	7 38	2 5		n.a.
S 10	15 19	27 12	5 16	8 14	1 21	25 56	2 21	19 57	0 40	10 0	1 13	21 51	1 29	18 36	0 7	14 23	1 41	30 27	15 46	7 58	7 37	2 1		n.a.
M11	15 38	24 25	5 6	8 53	1 15	26 0	2 22	20 9	0 40	9 57	1 13	21 50	1 29	18 35	0 7	14 23	1 41	30 27	15 45	7 58	7 36	1 58		n.a.
T 12	15 57	20 35	4 43	9 32	1 8	26 4	2 22	20 21	0 41	9 55	1 13	21 49	1 29	18 35	0 7	14 24	1 41	30 27	15 45	7 58	7 35	1 54		n.a.
W13	16 16	16 0	4 7	10 10	1 1	26 6	2 22	20 32	0 41	9 52	1 12	21 48	1 28	18 34	0 7	14 25	1 41	30 26	15 45	7 58	7 33	1 51		n.a.
T 14	16 34	10 52	3 22	10 49	0 53	26 8	2 23	20 43	0 42	9 50	1 12	21 48	1 28	18 33	0 7	14 25	1 41	30 26	15 44	7 59	7 32	1 47		n.a.
F 15	16 52	5 23	2 28	11 27	0 46	26 9	2 23	20 54	0 42	9 47	1 12	21 47	1 28	18 33	0 7	14 26	1 41	30 25	15 44	7 59	7 31	1 44		n.a.
S 16	17 10	0s17	1 28	12 5	0 39	26 9	2 23	21 5	0 43	9 45	1 12	21 46	1 28	18 32	0 7	14 27	1 41	30 25	15 44	8 0	7 30	1 40		n.a.
S 17	17 27	5 58	0 24	12 43	0 32	26 9	2 22	21 15	0 43	9 42	1 12	21 45	1 28	18 31	0 7	14 27	1 41	30 25	15 43	8 0	7 29	1 37		n.a.
M18	17 45	11 30	0s42	13 20	0 25	26 7	2 22	21 26	0 44	9 40	1 11	21 44	1 28	18 31	0 7	14 28	1 41	30 24	15 43	8 0	7 27	1 34		n.a.
T 19	18 1	16 41	1 46	13 57	0 18	26 5	2 22	21 36	0 44	9 38	1 11	21 43	1 28	18 30	0 7	14 29	1 41	30 24	15 43	8 0	7 26	1 30		n.a.
W20	18 18	21 17	2 47	14 33	0 11	26 3	2 21	21 45	0 45	9 35	1 11	21 42	1 28	18 29	0 7	14 29	1 41	30 24	15 42	7 58	7 25	1 27		n.a.
T 21	18 34	25 0	3 40	15 9	0 4	25 59	2 21	21 55	0 45	9 33	1 11	21 41	1 28	18 29	0 7	14 30	1 41	30 23	15 42	7 57	7 24	1 23		n.a.
F 22	18 50	27 33	4 23	15 44	0s 3	25 55	2 20	22 4	0 46	9 31	1 10	21 40	1 28	18 28	0 7	14 31	1 41	30 23	15 42	7 54	7 22	1 20		n.a.
S 23	19 5	28 40	4 54	16 19	0 9	25 50	2 19	22 14	0 46	9 29	1 10	21 39	1 28	18 27	0 7	14 31	1 41	30 22	15 41	7 52	7 21	1 16		n.a.
S 24	19 20	28 11	5 9	16 53	0 16	25 44	2 18	22 22	0 47	9 27	1 10	21 38	1 28	18 27	0 7	14 32	1 41	30 22	15 41	7 50	7 20	1 13		n.a.
M25	19 35	26 4	5 9	17 27	0 23	25 38	2 17	22 31	0 47	9 25	1 10	21 37	1 28	18 26	0 7	14 33	1 41	30 21	15 41	7 48	7 19	1 9		n.a.
T 26	19 50	22 27	4 51	17 59	0 29	25 30	2 16	22 39	0 48	9 23	1 9	21 36	1 28	18 25	0 7	14 33	1 41	30 21	15 40	7 47	7 18	1 6		n.a.
W27	20 4	17 33	4 16	18 31	0 36	25 23	2 15	22 48	0 48	9 21	1 9	21 35	1 27	18 25	0 7	14 34	1 41	30 20	15 40	7 46	7 16	1 3		n.a.
T 28	20 17	11 40	3 25	19 3	0 42	25 14	2 13	22 56	0 49	9 19	1 9	21 34	1 27	18 24	0 7	14 35	1 41	30 20	15 40	7 46	7 15	0 59		n.a.
F 29	20 30	5 6	2 21	19 33	0 48	25 5	2 12	23 3	0 49	9 17	1 9	21 33	1 27	18 23	0 7	14 35	1 41	30 20	15 39	7 47	7 14	0 56		n.a.
S 30	20s43	1n48	1s 8	20s 3	0s54	24s55	2s10	23s11	0s50	9n15	1s 8	21s31	1s27	18n23	0s 7	14s36	1n41	30s19	15s39	7n47	7n13	0n52		n.a.

Julian Day Number = 1481392.5, Delta T = 05h22m25s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'58, Lahiri = -13°01'58 Julian Calendar 1 Nov. 658 BCE == Greg. Calendar 25 Oct. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 658 BCE
geocentric

DECEMBER 658 BCE (-657) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 8 50	2♐22'46	21♈33	26♏ 8	17♑28	11♐25	26°R17	1♒35	21°R51	13♏50	18♒22	19°R39	18♈ 5	1♎21	n.a.	S 1
M 2	4 12 47	3°24'02	6♉ 6	27°43	18°36	12°12	26♈11	1°40	21♉48	13°52	18°23	19♈38	18° 2	1°28	n.a.	M 2
T 3	4 16 43	4°25'17	20°37	29°18	19°44	12°59	26° 6	1°45	21°46	13°54	18°23	19°35	17°59	1°35	n.a.	T 3
W 4	4 20 40	5°26'31	5♊ 0	0♐54	20°52	13°46	26° 2	1°50	21°43	13°57	18°24	19°29	17°56	1°41	n.a.	W 4
T 5	4 24 37	6°27'46	19° 9	2°30	22° 0	14°33	25°57	1°55	21°41	13°59	18°24	19°22	17°52	1°48	n.a.	T 5
F 6	4 28 33	7°29'00	2♋58	4° 6	23° 8	15°20	25°53	2° 0	21°38	14° 1	18°25	19°13	17°49	1°55	n.a.	F 6
S 7	4 32 30	8°30'13	16°25	5°43	24°15	16° 7	25°48	2° 6	21°36	14° 3	18°26	19° 5	17°46	2° 1	n.a.	S 7
S 8	4 36 26	9°31'27	29°28	7°20	25°22	16°54	25°44	2°11	21°34	14° 5	18°26	18°57	17°43	2° 8	n.a.	S 8
M 9	4 40 23	10°32'40	12♌ 8	8°58	26°29	17°41	25°40	2°17	21°31	14° 7	18°27	18°51	17°40	2°15	n.a.	M 9
T 10	4 44 19	11°33'53	24°28	10°36	27°36	18°28	25°37	2°22	21°29	14° 9	18°28	18°47	17°37	2°21	n.a.	T 10
W11	4 48 16	12°35'06	6♍33	12°15	28°42	19°15	25°33	2°28	21°26	14°11	18°28	18°45	17°33	2°28	n.a.	W11
T 12	4 52 12	13°36'18	18°26	13°54	29°48	20° 3	25°30	2°34	21°24	14°13	18°29	18°D45	17°30	2°35	n.a.	T 12
F 13	4 56 9	14°37'30	0♎14	15°34	0♒54	20°50	25°27	2°39	21°22	14°15	18°30	18°46	17°27	2°41	n.a.	F 13
S 14	5 0 6	15°38'41	12° 2	17°14	2° 0	21°37	25°24	2°45	21°19	14°17	18°31	18°47	17°24	2°48	n.a.	S 14
S 15	5 4 2	16°39'52	23°55	18°54	3° 5	22°24	25°21	2°51	21°17	14°19	18°32	18°R47	17°21	2°55	n.a.	S 15
M16	5 7 59	17°41'03	5♏58	20°36	4°11	23°11	25°19	2°57	21°15	14°21	18°32	18°45	17°17	3° 1	n.a.	M16
T 17	5 11 55	18°42'12	18°14	22°17	5°15	23°59	25°16	3° 3	21°13	14°23	18°33	18°41	17°14	3° 8	n.a.	T 17
W18	5 15 52	19°43'22	0♐47	23°59	6°20	24°46	25°14	3° 9	21°11	14°25	18°34	18°34	17°11	3°15	n.a.	W18
T 19	5 19 48	20°44'30	13°36	25°42	7°24	25°33	25°12	3°15	21° 8	14°27	18°35	18°25	17° 8	3°21	n.a.	T 19
F 20	5 23 45	21°45'38	26°43	27°25	8°28	26°20	25°11	3°22	21° 6	14°29	18°36	18°14	17° 5	3°28	n.a.	F 20
S 21	5 27 42	22°46'45	10♑ 6	29° 9	9°32	27° 8	25° 9	3°28	21° 4	14°31	18°37	18° 2	17° 2	3°34	n.a.	S 21
S 22	5 31 38	23°47'51	23°42	0♑53	10°35	27°55	25° 8	3°34	21° 2	14°33	18°38	17°51	16°58	3°41	n.a.	S 22
M23	5 35 35	24°48'55	7♒28	2°37	11°38	28°42	25° 7	3°40	21° 0	14°35	18°39	17°41	16°55	3°48	n.a.	M23
T 24	5 39 31	25°49'58	21°22	4°21	12°41	29°30	25° 6	3°47	20°58	14°37	18°40	17°34	16°52	3°54	n.a.	T 24
W25	5 43 28	26°51'00	5♓21	6° 6	13°43	0♑17	25° 5	3°53	20°56	14°38	18°41	17°30	16°49	4° 1	n.a.	W25
T 26	5 47 24	27°52'00	19°23	7°51	14°45	1° 4	25° 5	4° 0	20°54	14°40	18°42	17°28	16°46	4° 8	n.a.	T 26
F 27	5 51 21	28°52'59	3♈28	9°35	15°47	1°52	25° 4	4° 6	20°52	14°42	18°43	17°D28	16°43	4°14	n.a.	F 27
S 28	5 55 17	29°53'57	17°34	11°20	16°48	2°39	25°D 4	4°13	20°50	14°44	18°44	17°R28	16°39	4°21	n.a.	S 28
S 29	5 59 14	0♑54'53	1♉41	13° 4	17°49	3°26	25° 5	4°20	20°49	14°45	18°45	17°27	16°36	4°28	n.a.	S 29
M30	6 3 11	1°55'47	15°46	14°47	18°49	4°14	25° 5	4°26	20°47	14°47	18°46	17°25	16°33	4°34	n.a.	M30
T 31	6 7 7	2♑56'40	29♉49	16♑29	19♒48	5♑ 1	25♈ 5	4♒33	20♉45	14♏49	18♒47	17♈19	16♈30	4♎41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20s56	8n41	0n10	20s31	1s 0	24s44	2s 8	23s18	0s50	9n14	1s 8	21s30	1s27	18n22	0s 7	14s37	1n41	30s19	15s39	7n48	7n11	0n49		n.a.
M 2	21 8	15 7	1 28	20 59	1 5	24 33	2 6	23 25	0 51	9 12	1 8	21 29	1 27	18 21	0 7	14 37	1 41	30 18	15 38	7 47	7 10	0 45		n.a.
T 3	21 19	20 43	2 40	21 26	1 11	24 21	2 4	23 31	0 51	9 10	1 8	21 28	1 27	18 21	0 7	14 38	1 41	30 18	15 38	7 46	7 9	0 42		n.a.
W 4	21 31	25 2	3 40	21 52	1 16	24 8	2 2	23 37	0 51	9 9	1 7	21 27	1 27	18 20	0 7	14 39	1 41	30 17	15 38	7 44	7 8	0 38		n.a.
T 5	21 42	27 45	4 26	22 16	1 21	23 55	2 0	23 44	0 52	9 7	1 7	21 25	1 27	18 20	0 7	14 39	1 41	30 17	15 37	7 41	7 6	0 35		n.a.
F 6	21 52	28 40	4 55	22 40	1 26	23 41	1 57	23 49	0 52	9 6	1 7	21 24	1 27	18 19	0 7	14 40	1 41	30 16	15 37	7 38	7 5	0 31		n.a.
S 7	22 2	27 50	5 7	23 2	1 30	23 27	1 55	23 55	0 53	9 5	1 6	21 23	1 27	18 18	0 7	14 41	1 41	30 16	15 37	7 34	7 4	0 28		n.a.
S 8	22 11	25 28	5 2	23 24	1 34	23 12	1 52	24 0	0 53	9 4	1 6	21 22	1 27	18 18	0 7	14 41	1 41	30 15	15 36	7 31	7 3	0 24		n.a.
M 9	22 21	21 54	4 43	23 44	1 39	22 56	1 49	24 5	0 53	9 2	1 6	21 20	1 27	18 17	0 7	14 42	1 41	30 15	15 36	7 29	7 2	0 21		n.a.
T 10	22 29	17 28	4 10	24 2	1 42	22 40	1 46	24 10	0 54	9 1	1 6	21 19	1 27	18 16	0 7	14 42	1 41	30 14	15 36	7 28	7 0	0 18		n.a.
W11	22 37	12 26	3 27	24 20	1 46	22 23	1 43	24 14	0 54	9 0	1 5	21 18	1 27	18 16	0 7	14 43	1 41	30 13	15 35	7 27	6 59	0 14		n.a.
T 12	22 45	7 1	2 36	24 36	1 49	22 6	1 40	24 18	0 55	8 59	1 5	21 16	1 27	18 15	0 7	14 44	1 41	30 13	15 35	7 27	6 58	0 11		n.a.
F 13	22 53	1 24	1 38	24 50	1 52	21 48	1 36	24 22	0 55	8 58	1 5	21 15	1 27	18 15	0 7	14 44	1 41	30 12	15 35	7 27	6 57	0 7		n.a.
S 14	22 59	4s16	0 36	25 3	1 55	21 30	1 33	24 26	0 55	8 58	1 4	21 13	1 27	18 14	0 7	14 45	1 41	30 12	15 34	7 28	6 55	0 4		n.a.
S 15	23 6	9 50	0s28	25 15	1 57	21 11	1 29	24 29	0 56	8 57	1 4	21 12	1 27	18 13	0 7	14 45	1 41	30 11	15 34	7 28	6 54	0 0		n.a.
M16	23 12	15 7	1 31	25 25	1 59	20 52	1 25	24 32	0 56	8 56	1 4	21 11	1 27	18 13	0 7	14 46	1 41	30 11	15 34	7 27	6 53	0s 3		n.a.
T 17	23 17	19 55	2 31	25 33	2 0	20 32	1 21	24 35	0 56	8 56	1 3	21 9	1 26	18 12	0 7	14 46	1 41	30 10	15 34	7 25	6 52	0 7		n.a.
W18	23 22	23 56	3 25	25 40	2 2	20 12	1 17	24 37	0 57	8 55	1 3	21 8	1 26	18 12	0 7	14 47	1 41	30 10	15 33	7 23	6 50	0 10		n.a.
T 19	23 27	26 53	4 9	25 44	2 2	19 51	1 13	24 39	0 57	8 55	1 3	21 6	1 26	18 11	0 7	14 47	1 41	30 9	15 33	7 19	6 49	0 14		n.a.
F 20	23 31	28 26	4 42	25 48	2 2	19 30	1 9	24 41	0 58	8 54	1 3	21 5	1 26	18 11	0 7	14 48	1 41	30 8	15 33	7 15	6 48	0 17		n.a.
S 21	23 35	28 22	5 0	25 49	2 2	19 9	1 4	24 43	0 58	8 54	1 2	21 3	1 26	18 10	0 7	14 49	1 41	30 8	15 32	7 10	6 47	0 21		n.a.
S 22	23 38	26 36	5 1	25 48	2 2	18 47	0 59	24 44	0 58	8 54	1 2	21 2	1 26	18 9	0 7	14 49	1 41	30 7	15 32	7 6	6 46	0 24		n.a.
M23	23 40	23 15	4 45	25 45	2 0	18 25	0 55	24 45	0 58	8 54	1 2	21 0	1 26	18 9	0 7	14 50	1 41	30 7	15 32	7 2	6 44	0 27		n.a.
T 24	23 43	18 33	4 12	25 41	1 59	18 2	0 50	24 45	0 59	8 54	1 1	20 59	1 26	18 8	0 7	14 50	1 41	30 6	15 32	6 59	6 43	0 31		n.a.
W25	23 44	12 50	3 24	25 34	1 56	17 39	0 45	24 46	0 59	8 54	1 1	20 57	1 26	18 8	0 7	14 51	1 41	30 6	15 31	6 58	6 42	0 34		n.a.
T 26	23 46	6 27	2 23	25 25	1 53	17 16	0 39	24 46	0 59	8 54	1 1	20 55	1 26	18 7	0 7	14 51	1 41	30 5	15 31	6 57	6 41	0 38		n.a.
F 27	23 46	0n16	1 14	25 15	1 50	16 52	0 34	24 45	1 0	8 54	1 0	20 54	1 26	18 7	0 7	14 52	1 41	30 4	15 31	6 57	6 39	0 41		n.a.
S 28	23 47	7 0	0n 1	25 2	1 45	16 29	0 29	24 45	1 0	8 54	1 0	20 52	1 26	18 6	0 7	14 52	1 41	30 4	15 31	6 57	6 38	0 45		n.a.
S 29	23 46	13 23	1 15	24 47	1 40	16 4	0 23	24 44	1 0	8 55	1 0	20 51	1 26	18 6	0 7	14 53	1 41	30 3	15 30	6 57	6 37	0 48		n.a.
M30	23 46	19 5	2 24	24 31	1 35	15 40	0 17	24 43	1 1	8 55	1 0	20 49	1 26	18 6	0 7	14 53	1 42	30 3	15 30	6 56	6 36	0 52		n.a.
T 31	23s45	23n43	3n24	24s12	1s28	15s16	0s11	24s42	1s 1	8n56	0s59	20s47	1s26	18n 5	0s 7	14s54	1n42	30s 2	15s30	6n54	6n34	0s55		n.a.

Julian Day Number = 1481422.5, Delta T = 05h22m23s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'54, Lahiri = -13°01'54 Julian Calendar 1 Dec. 658 BCE == Greg. Calendar 24 Nov. 658 BCE

The year -657 astronomical counting style corresponds to year 658 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

JANUARY 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 11 4	3♑57'31	13♊46	18♑11	20♒48	5♑48	25♈ 6	4♒40	20°R43	14♏50	18♒49	17°R11	16♈27	4♎48	n.a.	W 1
T 2	6 15 0	4°58'22	27°32	19°50	21°47	6°36	25° 7	4°47	20♉42	14°52	18°50	16♈59	16°23	4°54	n.a.	T 2
F 3	6 18 57	5°59'10	11♋ 4	21°28	22°45	7°23	25° 8	4°53	20°40	14°54	18°51	16°47	16°20	5° 1	n.a.	F 3
S 4	6 22 53	6°59'58	24°20	23° 3	23°43	8°11	25°10	5° 0	20°39	14°55	18°52	16°33	16°17	5° 8	n.a.	S 4
S 5	6 26 50	8° 0'43	7♌16	24°36	24°40	8°58	25°11	5° 7	20°37	14°57	18°53	16°21	16°14	5°14	n.a.	S 5
M 6	6 30 47	9° 1'28	19°54	26° 5	25°36	9°45	25°13	5°14	20°36	14°58	18°55	16°11	16°11	5°21	n.a.	M 6
T 7	6 34 43	10° 2'11	2♍13	27°30	26°32	10°33	25°15	5°21	20°34	15° 0	18°56	16° 3	16° 8	5°28	n.a.	T 7
W 8	6 38 40	11° 2'53	14°18	28°50	27°28	11°20	25°17	5°28	20°33	15° 1	18°57	15°58	16° 4	5°34	n.a.	W 8
T 9	6 42 36	12° 3'33	26°12	0♒ 4	28°23	12° 7	25°19	5°35	20°32	15° 3	18°58	15°56	16° 1	5°41	n.a.	T 9
F 10	6 46 33	13° 4'13	8♎ 1	1°12	29°17	12°55	25°22	5°42	20°30	15° 4	19° 0	15°55	15°58	5°47	n.a.	F 10
S 11	6 50 29	14° 4'50	19°49	2°14	0♓10	13°42	25°25	5°49	20°29	15° 6	19° 1	15°55	15°55	5°54	n.a.	S 11
S 12	6 54 26	15° 5'27	1♏42	3° 7	1° 3	14°29	25°28	5°57	20°28	15° 7	19° 2	15°55	15°52	6° 1	n.a.	S 12
M13	6 58 22	16° 6'02	13°47	3°53	1°55	15°17	25°31	6° 4	20°27	15° 8	19° 4	15°52	15°49	6° 7	n.a.	M13
T 14	7 2 19	17° 6'36	26° 7	4°29	2°46	16° 4	25°34	6°11	20°26	15°10	19° 5	15°48	15°45	6°14	n.a.	T 14
W15	7 6 16	18° 7'08	8♐46	4°56	3°37	16°52	25°38	6°18	20°24	15°11	19° 6	15°40	15°42	6°21	n.a.	W15
T 16	7 10 12	19° 7'39	21°48	5°14	4°27	17°39	25°41	6°25	20°23	15°12	19° 8	15°30	15°39	6°27	n.a.	T 16
F 17	7 14 9	20° 8'08	5♑12	5°R21	5°16	18°26	25°45	6°33	20°23	15°13	19° 9	15°18	15°36	6°34	n.a.	F 17
S 18	7 18 5	21° 8'36	18°56	5°17	6° 4	19°13	25°49	6°40	20°22	15°14	19°10	15° 6	15°33	6°41	n.a.	S 18
S 19	7 22 2	22° 9'01	2♒58	5° 4	6°51	20° 1	25°53	6°47	20°21	15°16	19°12	14°53	15°29	6°47	n.a.	S 19
M20	7 25 58	23° 9'25	17°12	4°41	7°37	20°48	25°58	6°55	20°20	15°17	19°13	14°42	15°26	6°54	n.a.	M20
T 21	7 29 55	24° 9'47	1♓33	4° 9	8°22	21°35	26° 2	7° 2	20°19	15°18	19°14	14°34	15°23	7° 1	n.a.	T 21
W22	7 33 51	25°10'06	15°55	3°28	9° 6	22°23	26° 7	7° 9	20°18	15°19	19°16	14°29	15°20	7° 7	n.a.	W22
T 23	7 37 48	26°10'24	0♈13	2°40	9°49	23°10	26°12	7°17	20°18	15°20	19°17	14°26	15°17	7°14	n.a.	T 23
F 24	7 41 45	27°10'39	14°26	1°47	10°32	23°57	26°17	7°24	20°17	15°21	19°19	14°D26	15°14	7°21	n.a.	F 24
S 25	7 45 41	28°10'52	28°31	0°48	11°12	24°44	26°23	7°32	20°17	15°22	19°20	14°R26	15°10	7°27	n.a.	S 25
S 26	7 49 38	29°11'03	12♉27	29♑46	11°52	25°31	26°28	7°39	20°16	15°23	19°22	14°25	15° 7	7°34	n.a.	S 26
M27	7 53 34	0♒11'11	26°16	28°43	12°31	26°19	26°34	7°46	20°16	15°24	19°23	14°23	15° 4	7°40	n.a.	M27
T 28	7 57 31	1°11'18	9♊56	27°40	13° 8	27° 6	26°40	7°54	20°15	15°25	19°25	14°18	15° 1	7°47	n.a.	T 28
W29	8 1 27	2°11'22	23°27	26°38	13°43	27°53	26°45	8° 1	20°15	15°26	19°26	14°10	14°58	7°54	n.a.	W29
T 30	8 5 24	3°11'24	6♋47	25°39	14°18	28°40	26°52	8° 9	20°15	15°26	19°28	14° 0	14°55	8° 0	n.a.	T 30
F 31	8 9 20	4♒11'24	19♋56	24♑44	14♓51	29♑27	26♈58	8♒16	20♉14	15♏27	19♒29	13♈48	14♈51	8♎ 7	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	23 s43	26n56	4n12	23 s51	1 s21	14 s51	0 s 5	24 s40	1 s 1	8n56	0 s59	20 s46	1 s26	18n 5	0 s 7	14 s54	1n42	30 s 1	15 s30	6n50	6n33	0 s59		n.a.	
T 2	23 41	28 29	4 44	23 29	1 13	14 26	0n 1	24 38	1 1	8 57	0 59	20 44	1 26	18 4	0 7	14 54	1 42	30 1	15 29	6 46	6 32	1 2		n.a.	
F 3	23 38	28 16	4 59	23 5	1 4	14 1	0 7	24 35	1 2	8 58	0 58	20 42	1 26	18 4	0 7	14 55	1 42	30 0	15 29	6 41	6 31	1 6		n.a.	
S 4	23 35	26 26	4 58	22 40	0 54	13 35	0 14	24 33	1 2	8 58	0 58	20 41	1 26	18 3	0 7	14 55	1 42	30 0	15 29	6 36	6 29	1 9		n.a.	
S 5	23 32	23 14	4 41	22 13	0 43	13 10	0 20	24 30	1 2	8 59	0 58	20 39	1 26	18 3	0 7	14 56	1 42	29 59	15 29	6 31	6 28	1 12		n.a.	
M 6	23 28	19 1	4 11	21 45	0 32	12 44	0 27	24 27	1 2	9 0	0 57	20 37	1 26	18 3	0 7	14 56	1 42	29 58	15 29	6 27	6 27	1 16		n.a.	
T 7	23 23	14 5	3 29	21 17	0 20	12 19	0 34	24 23	1 2	9 1	0 57	20 35	1 26	18 2	0 7	14 57	1 42	29 58	15 28	6 24	6 26	1 19		n.a.	
W 8	23 19	8 42	2 39	20 47	0 6	11 53	0 41	24 20	1 3	9 2	0 57	20 34	1 26	18 2	0 7	14 57	1 42	29 57	15 28	6 22	6 25	1 23		n.a.	
T 9	23 13	3 6	1 42	20 18	0n 7	11 27	0 48	24 15	1 3	9 3	0 57	20 32	1 26	18 2	0 7	14 57	1 42	29 56	15 28	6 21	6 23	1 26		n.a.	
F 10	23 7	2 s35	0 42	19 49	0 22	11 1	0 56	24 11	1 3	9 5	0 56	20 30	1 26	18 1	0 7	14 58	1 42	29 56	15 28	6 21	6 22	1 30		n.a.	
S 11	23 1	8 10	0 s21	19 20	0 37	10 35	1 3	24 7	1 3	9 6	0 56	20 28	1 26	18 1	0 7	14 58	1 42	29 55	15 28	6 21	6 21	1 33		n.a.	
S 12	22 55	13 31	1 23	18 52	0 53	10 9	1 11	24 2	1 3	9 7	0 56	20 27	1 26	18 1	0 7	14 58	1 42	29 55	15 27	6 21	6 20	1 37		n.a.	
M13	22 47	18 27	2 22	18 26	1 10	9 43	1 19	23 56	1 4	9 9	0 55	20 25	1 26	18 0	0 7	14 59	1 42	29 54	15 27	6 20	6 18	1 40		n.a.	
T 14	22 40	22 43	3 15	18 1	1 26	9 17	1 26	23 51	1 4	9 10	0 55	20 23	1 26	18 0	0 7	14 59	1 42	29 53	15 27	6 18	6 17	1 44		n.a.	
W15	22 32	26 2	4 1	17 38	1 43	8 51	1 34	23 45	1 4	9 12	0 55	20 21	1 26	18 0	0 7	14 59	1 42	29 53	15 27	6 15	6 16	1 47		n.a.	
T 16	22 23	28 6	4 35	17 18	2 0	8 26	1 43	23 39	1 4	9 13	0 55	20 19	1 26	17 59	0 7	15 0	1 42	29 52	15 27	6 11	6 15	1 51		n.a.	
F 17	22 15	28 36	4 56	17 0	2 16	8 0	1 51	23 33	1 4	9 15	0 54	20 17	1 26	17 59	0 7	15 0	1 42	29 52	15 27	6 7	6 13	1 54		n.a.	
S 18	22 5	27 21	5 0	16 45	2 32	7 34	1 59	23 26	1 4	9 17	0 54	20 16	1 26	17 59	0 7	15 0	1 42	29 51	15 26	6 2	6 12	1 58		n.a.	
S 19	21 56	24 24	4 46	16 34	2 47	7 9	2 8	23 19	1 5	9 19	0 54	20 14	1 26	17 59	0 7	15 1	1 42	29 50	15 26	5 57	6 11	2 1		n.a.	
M20	21 45	19 55	4 14	16 26	3 1	6 43	2 17	23 12	1 5	9 20	0 53	20 12	1 26	17 59	0 7	15 1	1 42	29 50	15 26	5 52	6 10	2 4		n.a.	
T 21	21 35	14 16	3 26	16 21	3 14	6 18	2 25	23 5	1 5	9 22	0 53	20 10	1 26	17 58	0 6	15 1	1 42	29 49	15 26	5 49	6 8	2 8		n.a.	
W22	21 24	7 51	2 25	16 19	3 25	5 53	2 34	22 57	1 5	9 24	0 53	20 8	1 26	17 58	0 6	15 2	1 42	29 49	15 26	5 47	6 7	2 11		n.a.	
T 23	21 13	1 3	1 15	16 21	3 35	5 29	2 43	22 49	1 5	9 26	0 53	20 6	1 26	17 58	0 6	15 2	1 43	29 48	15 26	5 46	6 6	2 15		n.a.	
F 24	21 1	5n46	0 0	16 26	3 43	5 4	2 53	22 41	1 5	9 29	0 52	20 4	1 27	17 58	0 6	15 2	1 43	29 47	15 26	5 46	6 5	2 18		n.a.	
S 25	20 49	12 15	1n14	16 33	3 48	4 40	3 2	22 33	1 5	9 31	0 52	20 2	1 27	17 58	0 6	15 2	1 43	29 47	15 26	5 46	6 3	2 22		n.a.	
S 26	20 37	18 3	2 23	16 43	3 51	4 16	3 11	22 24	1 5	9 33	0 52	20 1	1 27	17 58	0 6	15 2	1 43	29 46	15 25	5 46	6 2	2 25		n.a.	
M27	20 24	22 52	3 22	16 55	3 53	3 52	3 21	22 15	1 5	9 35	0 51	19 59	1 27	17 58	0 6	15 3	1 43	29 46	15 25	5 45	6 1	2 29		n.a.	
T 28	20 11	26 22	4 10	17 8	3 52	3 29	3 30	22 6	1 5	9 38	0 51	19 57	1 27	17 57	0 6	15 3	1 43	29 45	15 25	5 43	6 0	2 32		n.a.	
W29	19 57	28 19	4 43	17 23	3 48	3 6	3 40	21 57	1 6	9 40	0 51	19 55	1 27	17 57	0 6	15 3	1 43	29 44	15 25	5 40	5 58	2 36		n.a.	
T 30	19 43	28 35	4 59	17 39	3 43	2 44	3 50	21 47	1 6	9 43	0 51	19 53	1 27	17 57	0 6	15 3	1 43	29 44	15 25	5 36	5 57	2 39		n.a.	
F 31	19 s29	27n13	5n 0	17 s56	3n37	2 s22	4n 0	21 s37	1 s 6	9n45	0 s50	19 s51	1 s27	17n57	0 s 6	15 s 4	1n43	29 s43	15 s25	5n31	5n56	2 s43		n.a.	

Julian Day Number = 1481453.5, Delta T = 05h22m22s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'50, Lahiri = -13°01'50 Julian Calendar 1 Jan. 657 BCE == Greg. Calendar 25 Dec. 658 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

FEBRUARY 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 13 17	5♒11'21	2♌51	23°R54	15♓22	0♒14	27♈ 4	8♒24	20°R14	15♏28	19♒31	13°R35	14♈48	8♎14	n.a.	S 1
S 2	8 17 14	6°11'17	15°32	23♉ 9	15°52	1° 1	27°11	8°31	20♉14	15°29	19°32	13♈24	14°45	8°20	n.a.	S 2
M 3	8 21 10	7°11'11	27°59	22°30	16°20	1°48	27°18	8°39	20°14	15°29	19°34	13°14	14°42	8°27	n.a.	M 3
T 4	8 25 7	8°11'02	10♍12	21°57	16°47	2°35	27°25	8°46	20°D14	15°30	19°35	13° 6	14°39	8°34	n.a.	T 4
W 5	8 29 3	9°10'52	22°13	21°31	17°12	3°22	27°32	8°54	20°14	15°31	19°37	13° 2	14°35	8°40	n.a.	W 5
T 6	8 33 0	10°10'39	4♎ 6	21°12	17°35	4° 9	27°39	9° 1	20°14	15°31	19°38	12°59	14°32	8°47	n.a.	T 6
F 7	8 36 56	11°10'25	15°54	21° 0	17°56	4°56	27°46	9° 9	20°14	15°32	19°40	12°D59	14°29	8°54	n.a.	F 7
S 8	8 40 53	12°10'09	27°42	20°D53	18°15	5°43	27°54	9°16	20°15	15°32	19°41	13° 0	14°26	9° 0	n.a.	S 8
S 9	8 44 49	13° 9'51	9♏35	20°53	18°32	6°30	28° 1	9°24	20°15	15°33	19°43	13°R 0	14°23	9° 7	n.a.	S 9
M10	8 48 46	14° 9'31	21°38	20°59	18°47	7°17	28° 9	9°31	20°15	15°33	19°44	13° 0	14°20	9°14	n.a.	M10
T 11	8 52 42	15° 9'10	3♐58	21°11	19° 0	8° 4	28°17	9°39	20°15	15°34	19°46	12°58	14°16	9°20	n.a.	T 11
W12	8 56 39	16° 8'47	16°38	21°28	19°11	8°51	28°25	9°46	20°16	15°34	19°47	12°54	14°13	9°27	n.a.	W12
T 13	9 0 36	17° 8'21	29°42	21°51	19°20	9°37	28°33	9°54	20°16	15°34	19°49	12°48	14°10	9°33	n.a.	T 13
F 14	9 4 32	18° 7'54	13♑13	22°18	19°27	10°24	28°42	10° 1	20°17	15°35	19°50	12°40	14° 7	9°40	n.a.	F 14
S 15	9 8 29	19° 7'25	27° 9	22°49	19°31	11°11	28°50	10° 8	20°17	15°35	19°52	12°31	14° 4	9°47	n.a.	S 15
S 16	9 12 25	20° 6'54	11♒27	23°25	19°R32	11°58	28°59	10°16	20°18	15°35	19°53	12°22	14° 1	9°53	n.a.	S 16
M17	9 16 22	21° 6'20	26° 3	24° 5	19°32	12°44	29° 7	10°23	20°19	15°36	19°55	12°14	13°57	10° 0	n.a.	M17
T 18	9 20 18	22° 5'45	10♓48	24°49	19°29	13°31	29°16	10°31	20°19	15°36	19°56	12° 9	13°54	10° 7	n.a.	T 18
W19	9 24 15	23° 5'07	25°36	25°36	19°23	14°17	29°25	10°38	20°20	15°36	19°58	12° 5	13°51	10°13	n.a.	W19
T 20	9 28 11	24° 4'26	10♈18	26°27	19°15	15° 4	29°34	10°45	20°21	15°36	20° 0	12°D 4	13°48	10°20	n.a.	T 20
F 21	9 32 8	25° 3'44	24°50	27°21	19° 4	15°51	29°43	10°53	20°22	15°36	20° 1	12° 5	13°45	10°27	n.a.	F 21
S 22	9 36 5	26° 2'58	9♉ 7	28°18	18°51	16°37	29°53	11° 0	20°23	15°36	20° 3	12° 6	13°41	10°33	n.a.	S 22
S 23	9 40 1	27° 2'11	23° 8	29°17	18°36	17°23	0♉ 2	11° 7	20°24	15°R36	20° 4	12°R 7	13°38	10°40	n.a.	S 23
M24	9 43 58	28° 1'21	6♊53	0♒19	18°18	18°10	0°12	11°15	20°25	15°36	20° 6	12° 6	13°35	10°47	n.a.	M24
T 25	9 47 54	29° 0'29	20°22	1°24	17°57	18°56	0°21	11°22	20°26	15°36	20° 7	12° 4	13°32	10°53	n.a.	T 25
W26	9 51 51	29°59'34	3♋36	2°31	17°34	19°43	0°31	11°29	20°27	15°36	20° 9	12° 0	13°29	11° 0	n.a.	W26
T 27	9 55 47	0♓58'36	16°37	3°41	17° 9	20°29	0°41	11°36	20°28	15°36	20°10	11°55	13°26	11° 7	n.a.	T 27
F 28	9 59 44	1°57'37	29°24	4°53	16°42	21°15	0°51	11°44	20°30	15°36	20°12	11°48	13°22	11°13	n.a.	F 28
S 29	10 3 40	2♓56'35	11♌58	6♒ 7	16♓13	22♒ 1	1♉ 1	11♒51	20♉31	15♏36	20♒13	11♈41	13♈19	11♎20	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s14	24n25	4n45	18s13	3n28	2s 1	4n10	21s27	1s 6	9n48	0s50	19s49	1s27	17n57	0s 6	15s 4	1n43	29s43	15s25	5n26	5n55	2s46		n.a.
S 2	18 59	20 28	4 16	18 30	3 19	1 40	4 20	21 17	1 6	9 50	0 50	19 47	1 27	17 57	0 6	15 4	1 43	29 42	15 25	5 22	5 54	2 49		n.a.
M 3	18 44	15 42	3 36	18 47	3 8	1 19	4 30	21 6	1 6	9 53	0 50	19 45	1 27	17 57	0 6	15 4	1 43	29 42	15 25	5 18	5 52	2 53		n.a.
T 4	18 29	10 24	2 45	19 4	2 56	1 0	4 40	20 55	1 6	9 56	0 49	19 43	1 27	17 57	0 6	15 4	1 43	29 41	15 25	5 15	5 51	2 56		n.a.
W 5	18 13	4 47	1 49	19 20	2 44	0 41	4 51	20 44	1 6	9 59	0 49	19 41	1 27	17 57	0 6	15 4	1 43	29 40	15 25	5 13	5 50	3 0		n.a.
T 6	17 56	0s56	0 47	19 36	2 31	0 22	5 1	20 33	1 6	10 1	0 49	19 39	1 27	17 57	0 6	15 4	1 43	29 40	15 25	5 12	5 49	3 3		n.a.
F 7	17 40	6 35	0s16	19 51	2 17	0 4	5 11	20 22	1 6	10 4	0 49	19 37	1 27	17 57	0 6	15 5	1 43	29 39	15 25	5 12	5 47	3 7		n.a.
S 8	17 23	12 1	1 18	20 5	2 4	0n13	5 21	20 10	1 6	10 7	0 48	19 35	1 27	17 57	0 6	15 5	1 43	29 39	15 25	5 12	5 46	3 10		n.a.
S 9	17 6	17 3	2 17	20 19	1 50	0 29	5 32	19 58	1 6	10 10	0 48	19 33	1 27	17 57	0 6	15 5	1 43	29 38	15 25	5 12	5 45	3 14		n.a.
M10	16 49	21 31	3 12	20 32	1 36	0 44	5 42	19 46	1 6	10 13	0 48	19 31	1 27	17 58	0 6	15 5	1 43	29 38	15 25	5 12	5 44	3 17		n.a.
T 11	16 31	25 8	3 58	20 43	1 23	0 59	5 52	19 34	1 6	10 16	0 48	19 29	1 28	17 58	0 6	15 5	1 44	29 37	15 25	5 11	5 42	3 21		n.a.
W12	16 13	27 39	4 35	20 54	1 9	1 12	6 2	19 21	1 6	10 19	0 47	19 27	1 28	17 58	0 6	15 5	1 44	29 37	15 25	5 10	5 41	3 24		n.a.
T 13	15 55	28 45	4 58	21 3	0 56	1 25	6 12	19 9	1 6	10 23	0 47	19 26	1 28	17 58	0 6	15 5	1 44	29 36	15 25	5 7	5 40	3 27		n.a.
F 14	15 37	28 11	5 6	21 11	0 43	1 36	6 22	18 56	1 6	10 26	0 47	19 24	1 28	17 58	0 6	15 5	1 44	29 36	15 25	5 4	5 39	3 31		n.a.
S 15	15 18	25 52	4 56	21 19	0 31	1 47	6 32	18 43	1 6	10 29	0 47	19 22	1 28	17 58	0 6	15 5	1 44	29 35	15 25	5 1	5 37	3 34		n.a.
S 16	14 59	21 52	4 28	21 25	0 19	1 56	6 41	18 30	1 5	10 32	0 46	19 20	1 28	17 58	0 6	15 5	1 44	29 35	15 25	4 57	5 36	3 38		n.a.
M17	14 40	16 29	3 42	21 29	0 7	2 5	6 51	18 16	1 5	10 36	0 46	19 18	1 28	17 59	0 6	15 5	1 44	29 34	15 25	4 54	5 35	3 41		n.a.
T 18	14 20	10 5	2 40	21 33	0s 5	2 12	7 0	18 3	1 5	10 39	0 46	19 16	1 28	17 59	0 6	15 5	1 44	29 34	15 25	4 52	5 34	3 45		n.a.
W19	14 1	3 7	1 28	21 35	0 16	2 18	7 8	17 49	1 5	10 43	0 46	19 14	1 28	17 59	0 6	15 5	1 44	29 33	15 25	4 51	5 32	3 48		n.a.
T 20	13 41	3n59	0 10	21 36	0 27	2 22	7 17	17 35	1 5	10 46	0 46	19 12	1 28	17 59	0 6	15 5	1 44	29 33	15 25	4 50	5 31	3 52		n.a.
F 21	13 21	10 48	1n 8	21 35	0 37	2 25	7 25	17 21	1 5	10 50	0 45	19 10	1 28	18 0	0 6	15 5	1 44	29 32	15 25	4 50	5 30	3 55		n.a.
S 22	13 1	16 57	2 21	21 33	0 47	2 27	7 32	17 6	1 5	10 53	0 45	19 8	1 28	18 0	0 6	15 5	1 44	29 32	15 25	4 51	5 29	3 59		n.a.
S 23	12 40	22 6	3 24	21 30	0 56	2 28	7 40	16 52	1 5	10 57	0 45	19 6	1 29	18 0	0 6	15 5	1 44	29 31	15 25	4 51	5 27	4 2		n.a.
M24	12 20	25 55	4 13	21 25	1 5	2 27	7 46	16 37	1 5	11 0	0 45	19 4	1 29	18 0	0 6	15 5	1 44	29 31	15 25	4 51	5 26	4 5		n.a.
T 25	11 59	28 12	4 48	21 19	1 13	2 24	7 52	16 23	1 5	11 4	0 44	19 2	1 29	18 1	0 6	15 5	1 44	29 30	15 25	4 50	5 25	4 9		n.a.
W26	11 38	28 50	5 6	21 11	1 21	2 20	7 58	16 8	1 4	11 7	0 44	19 0	1 29	18 1	0 6	15 5	1 44	29 30	15 25	4 49	5 24	4 12		n.a.
T 27	11 17	27 50	5 8	21 2	1 29	2 15	8 3	15 53	1 4	11 11	0 44	18 58	1 29	18 1	0 6	15 5	1 44	29 29	15 25	4 46	5 22	4 16		n.a.
F 28	10 56	25 22	4 55	20 51	1 36	2 8	8 7	15 38	1 4	11 15	0 44	18 56	1 29	18 2	0 6	15 5	1 44	29 29	15 25	4 44	5 21	4 19		n.a.
S 29	10s34	21n43	4n28	20s39	1s42	2n 0	8n10	15s22	1s 4	11n19	0s44	18s54	1s29	18n 2	0s 6	15s 5	1n44	29s28	15s25	4n41	5n20	4s23		n.a.

Julian Day Number = 1481484.5, Delta T = 05h22m20s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'46, Lahiri = -13°01'45 Julian Calendar 1 Feb. 657 BCE == Greg. Calendar 25 Jan. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

MARCH 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 7 37	3♓55'31	24♌22	7♒23	15°R42	22♒48	1♉11	11♒58	20♉32	15°R35	20♒15	11°R34	13♈16	11♎26	n.a.	S 1
M 2	10 11 34	4°54'24	6♍34	8°40	15♓10	23°34	1°22	12° 5	20°34	15♏35	20°16	11♈29	13°13	11°33	n.a.	M 2
T 3	10 15 30	5°53'15	18°37	10° 0	14°35	24°20	1°32	12°12	20°35	15°35	20°18	11°25	13°10	11°40	n.a.	T 3
W 4	10 19 27	6°52'05	0♎32	11°22	14° 0	25° 6	1°42	12°19	20°36	15°35	20°19	11°22	13° 6	11°46	n.a.	W 4
T 5	10 23 23	7°50'52	12°22	12°45	13°24	25°52	1°53	12°26	20°38	15°34	20°21	11°D22	13° 3	11°53	n.a.	T 5
F 6	10 27 20	8°49'37	24° 9	14°11	12°46	26°38	2° 4	12°33	20°40	15°34	20°22	11°22	13° 0	12° 0	n.a.	F 6
S 7	10 31 16	9°48'21	5♏58	15°38	12° 9	27°24	2°15	12°40	20°41	15°33	20°24	11°24	12°57	12° 6	n.a.	S 7
S 8	10 35 13	10°47'02	17°51	17° 6	11°30	28°10	2°25	12°47	20°43	15°33	20°25	11°26	12°54	12°13	n.a.	S 8
M 9	10 39 9	11°45'42	29°54	18°37	10°52	28°56	2°36	12°54	20°45	15°33	20°27	11°27	12°51	12°20	n.a.	M 9
T 10	10 43 6	12°44'20	12♐13	20° 9	10°14	29°42	2°47	13° 1	20°46	15°32	20°28	11°R28	12°47	12°26	n.a.	T 10
W11	10 47 2	13°42'56	24°50	21°43	9°37	0♓27	2°59	13° 8	20°48	15°32	20°29	11°27	12°44	12°33	n.a.	W11
T 12	10 50 59	14°41'31	7♑51	23°18	9° 0	1°13	3°10	13°15	20°50	15°31	20°31	11°26	12°41	12°40	n.a.	T 12
F 13	10 54 56	15°40'04	21°18	24°55	8°24	1°59	3°21	13°21	20°52	15°30	20°32	11°23	12°38	12°46	n.a.	F 13
S 14	10 58 52	16°38'35	5♒13	26°34	7°49	2°44	3°32	13°28	20°54	15°30	20°34	11°19	12°35	12°53	n.a.	S 14
S 15	11 2 49	17°37'04	19°34	28°14	7°16	3°30	3°44	13°35	20°56	15°29	20°35	11°16	12°32	12°59	n.a.	S 15
M16	11 6 45	18°35'31	4♓17	29°56	6°44	4°16	3°55	13°41	20°58	15°29	20°36	11°13	12°28	13° 6	n.a.	M16
T 17	11 10 42	19°33'56	19°16	1♓40	6°14	5° 1	4° 7	13°48	21° 0	15°28	20°38	11°11	12°25	13°13	n.a.	T 17
W18	11 14 38	20°32'20	4♈21	3°25	5°45	5°47	4°19	13°54	21° 2	15°27	20°39	11°D10	12°22	13°19	n.a.	W18
T 19	11 18 35	21°30'41	19°24	5°12	5°19	6°32	4°30	14° 1	21° 4	15°26	20°41	11°10	12°19	13°26	n.a.	T 19
F 20	11 22 31	22°29'00	4♉17	7° 0	4°55	7°17	4°42	14° 7	21° 6	15°26	20°42	11°11	12°16	13°33	n.a.	F 20
S 21	11 26 28	23°27'17	18°53	8°50	4°32	8° 3	4°54	14°14	21° 9	15°25	20°43	11°12	12°12	13°39	n.a.	S 21
S 22	11 30 25	24°25'32	3♊ 8	10°42	4°13	8°48	5° 6	14°20	21°11	15°24	20°45	11°13	12° 9	13°46	n.a.	S 22
M23	11 34 21	25°23'45	17° 0	12°36	3°55	9°33	5°18	14°26	21°13	15°23	20°46	11°14	12° 6	13°53	n.a.	M23
T 24	11 38 18	26°21'56	0♋29	14°31	3°40	10°19	5°30	14°33	21°16	15°22	20°47	11°R14	12° 3	13°59	n.a.	T 24
W25	11 42 14	27°20'05	13°38	16°28	3°27	11° 4	5°43	14°39	21°18	15°21	20°48	11°13	12° 0	14° 6	n.a.	W25
T 26	11 46 11	28°18'11	26°27	18°27	3°17	11°49	5°55	14°45	21°20	15°20	20°50	11°12	11°57	14°13	n.a.	T 26
F 27	11 50 7	29°16'16	9♌ 1	20°27	3° 9	12°34	6° 7	14°51	21°23	15°19	20°51	11°11	11°53	14°19	n.a.	F 27
S 28	11 54 4	0♈14'18	21°20	22°28	3° 4	13°19	6°19	14°57	21°25	15°18	20°52	11° 9	11°50	14°26	n.a.	S 28
S 29	11 58 0	1°12'18	3♍29	24°31	3° 1	14° 4	6°32	15° 3	21°28	15°17	20°53	11° 8	11°47	14°33	n.a.	S 29
M30	12 1 57	2°10'17	15°29	26°36	3°D 0	14°49	6°44	15° 9	21°30	15°16	20°55	11° 7	11°44	14°39	n.a.	M30
T 31	12 5 53	3♈ 8'13	27♍23	28♓42	3♓ 2	15♓33	6♉57	15♒15	21♉33	15♏15	20♒56	11♈ 6	11♈41	14♎46	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	10s12	17n10	3n48	20s26	1s48	1n50	8n13	15s 7	1s 4	11n22	0s43	18s52	1s29	18n 2	0s 6	15s 4	1n44	29s28	15s25	4n38	5n19	4s26			n.a.
M 2	9 51	11 59	2 58	20 10	1 54	1 39	8 14	14 51	1 4	11 26	0 43	18 50	1 29	18 3	0 6	15 4	1 45	29 28	15 25	4 36	5 17	4 30			n.a.
T 3	9 29	6 25	2 1	19 54	1 59	1 27	8 15	14 36	1 4	11 30	0 43	18 48	1 30	18 3	0 6	15 4	1 45	29 27	15 26	4 35	5 16	4 33			n.a.
W 4	9 7	0 41	0 59	19 35	2 3	1 13	8 15	14 20	1 3	11 34	0 43	18 47	1 30	18 4	0 6	15 4	1 45	29 27	15 26	4 34	5 15	4 36			n.a.
T 5	8 45	5s 2	0s 6	19 15	2 8	0 59	8 14	14 4	1 3	11 38	0 43	18 45	1 30	18 4	0 6	15 4	1 45	29 26	15 26	4 33	5 14	4 40			n.a.
F 6	8 22	10 34	1 10	18 54	2 11	0 43	8 12	13 48	1 3	11 42	0 42	18 43	1 30	18 5	0 6	15 4	1 45	29 26	15 26	4 34	5 12	4 43			n.a.
S 7	8 0	15 45	2 11	18 31	2 14	0 26	8 10	13 32	1 3	11 46	0 42	18 41	1 30	18 5	0 6	15 4	1 45	29 26	15 26	4 34	5 11	4 47			n.a.
S 8	7 38	20 23	3 7	18 6	2 17	0 8	8 6	13 15	1 3	11 50	0 42	18 39	1 30	18 5	0 6	15 3	1 45	29 25	15 26	4 35	5 10	4 50			n.a.
M 9	7 15	24 15	3 55	17 40	2 19	0s11	8 1	12 59	1 2	11 54	0 42	18 37	1 30	18 6	0 6	15 3	1 45	29 25	15 26	4 36	5 9	4 54			n.a.
T 10	6 52	27 6	4 34	17 12	2 21	0 30	7 56	12 42	1 2	11 58	0 42	18 35	1 30	18 6	0 6	15 3	1 45	29 24	15 26	4 36	5 7	4 57			n.a.
W11	6 29	28 41	5 1	16 42	2 22	0 50	7 50	12 26	1 2	12 2	0 41	18 33	1 31	18 7	0 6	15 3	1 45	29 24	15 27	4 36	5 6	5 1			n.a.
T 12	6 7	28 46	5 14	16 11	2 23	1 10	7 42	12 9	1 2	12 6	0 41	18 32	1 31	18 7	0 6	15 3	1 45	29 24	15 27	4 35	5 5	5 4			n.a.
F 13	5 44	27 9	5 10	15 38	2 23	1 31	7 34	11 52	1 2	12 10	0 41	18 30	1 31	18 8	0 6	15 2	1 45	29 23	15 27	4 34	5 3	5 7			n.a.
S 14	5 21	23 52	4 48	15 4	2 22	1 52	7 26	11 36	1 1	12 14	0 41	18 28	1 31	18 8	0 6	15 2	1 45	29 23	15 27	4 32	5 2	5 11			n.a.
S 15	4 58	19 3	4 7	14 28	2 21	2 13	7 16	11 19	1 1	12 18	0 41	18 26	1 31	18 9	0 6	15 2	1 45	29 23	15 27	4 31	5 1	5 14			n.a.
M16	4 34	13 0	3 10	13 50	2 20	2 34	7 7	11 2	1 1	12 22	0 41	18 24	1 31	18 10	0 6	15 2	1 45	29 22	15 27	4 30	5 0	5 18			n.a.
T 17	4 11	6 7	1 58	13 11	2 18	2 55	6 56	10 44	1 1	12 26	0 40	18 22	1 31	18 10	0 6	15 1	1 45	29 22	15 28	4 29	4 58	5 21			n.a.
W18	3 48	1n11	0 38	12 30	2 15	3 16	6 45	10 27	1 0	12 30	0 40	18 21	1 32	18 11	0 6	15 1	1 45	29 22	15 28	4 29	4 57	5 25			n.a.
T 19	3 25	8 24	0n45	11 47	2 12	3 36	6 33	10 10	1 0	12 35	0 40	18 19	1 32	18 11	0 6	15 1	1 45	29 22	15 28	4 29	4 56	5 28			n.a.
F 20	3 1	15 4	2 4	11 3	2 9	3 56	6 22	9 53	1 0	12 39	0 40	18 17	1 32	18 12	0 6	15 1	1 45	29 21	15 28	4 29	4 55	5 31			n.a.
S 21	2 38	20 47	3 14	10 17	2 5	4 15	6 9	9 35	0 59	12 43	0 40	18 15	1 32	18 12	0 6	15 0	1 45	29 21	15 28	4 29	4 53	5 35			n.a.
S 22	2 15	25 9	4 9	9 30	2 0	4 34	5 57	9 18	0 59	12 47	0 40	18 14	1 32	18 13	0 6	15 0	1 45	29 21	15 29	4 30	4 52	5 38			n.a.
M23	1 51	27 55	4 49	8 41	1 55	4 52	5 44	9 0	0 59	12 51	0 39	18 12	1 32	18 14	0 6	15 0	1 46	29 20	15 29	4 30	4 51	5 42			n.a.
T 24	1 28	28 58	5 11	7 51	1 49	5 10	5 31	8 43	0 59	12 56	0 39	18 10	1 32	18 14	0 6	15 0	1 46	29 20	15 29	4 30	4 50	5 45			n.a.
W25	1 4	28 19	5 16	6 59	1 43	5 27	5 18	8 25	0 58	13 0	0 39	18 9	1 33	18 15	0 6	14 59	1 46	29 20	15 29	4 30	4 48	5 49			n.a.
T 26	0 41	26 9	5 5	6 6	1 36	5 43	5 5	8 7	0 58	13 4	0 39	18 7	1 33	18 16	0 6	14 59	1 46	29 20	15 29	4 30	4 47	5 52			n.a.
F 27	0 18	22 45	4 40	5 12	1 29	5 58	4 52	7 49	0 58	13 8	0 39	18 5	1 33	18 16	0 6	14 59	1 46	29 19	15 30	4 29	4 46	5 55			n.a.
S 28	0n 6	18 24	4 2	4 16	1 21	6 12	4 38	7 32	0 57	13 13	0 39	18 4	1 33	18 17	0 6	14 58	1 46	29 19	15 30	4 28	4 45	5 59			n.a.
S 29	0 29	13 22	3 14	3 19	1 13	6 25	4 25	7 14	0 57	13 17	0 38	18 2	1 33	18 18	0 5	14 58	1 46	29 19	15 30	4 28	4 43	6 2			n.a.
M30	0 53	7 54	2 17	2 21	1 4	6 38	4 12	6 56	0 57	13 21	0 38	18 0	1 33	18 18	0 5	14 58	1 46	29 19	15 30	4 27	4 42	6 6			n.a.
T 31	1n16	2n12	1n15	1s22	0s55	6s49	3n59	6s38	0s56	13n26	0s38	17s59	1s34	18n19	0s 5	14s57	1n46	29s19	15s31	4n27	4n41	6s 9			n.a.

Julian Day Number = 1481513.5, Delta T = 05h22m19s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'42, Lahiri = -13°01'42 Julian Calendar 1 March 657 BCE == Greg. Calendar 23 Feb. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

APRIL 657 BCE (-656) JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n39	3s33	0n10	0s22	0s45	7s 0	3n46	6s20	0s56	13n30	0s38	17s57	1s34	18n20	0s 5	14s57	1n46	29s19	15s31	4n27	4n40	6s13		n.a.
T 2	2 2	9 10	0s55	0n39	0 36	7 10	3 33	6 2	0 56	13 34	0 38	17 56	1 34	18 21	0 5	14 57	1 46	29 18	15 31	4 27	4 38	6 16		n.a.
F 3	2 26	14 28	1 58	1 40	0 26	7 18	3 21	5 44	0 55	13 38	0 38	17 54	1 34	18 21	0 5	14 56	1 46	29 18	15 31	4 27	4 37	6 19		n.a.
S 4	2 49	19 16	2 56	2 41	0 15	7 26	3 8	5 26	0 55	13 43	0 37	17 53	1 34	18 22	0 5	14 56	1 46	29 18	15 32	4 27	4 36	6 23		n.a.
S 5	3 12	23 21	3 47	3 43	0 5	7 33	2 56	5 8	0 55	13 47	0 37	17 51	1 35	18 23	0 5	14 55	1 46	29 18	15 32	4 27	4 35	6 26		n.a.
M 6	3 35	26 29	4 29	4 44	0n 6	7 38	2 44	4 50	0 54	13 51	0 37	17 50	1 35	18 23	0 5	14 55	1 46	29 18	15 32	4 28	4 33	6 30		n.a.
T 7	3 58	28 26	4 59	5 46	0 17	7 43	2 32	4 32	0 54	13 56	0 37	17 48	1 35	18 24	0 5	14 55	1 46	29 18	15 32	4 28	4 32	6 33		n.a.
W 8	4 21	28 58	5 15	6 46	0 27	7 47	2 21	4 14	0 53	14 0	0 37	17 47	1 35	18 25	0 5	14 54	1 46	29 18	15 33	4 28	4 31	6 36		n.a.
T 9	4 44	27 57	5 16	7 46	0 38	7 50	2 9	3 56	0 53	14 4	0 37	17 45	1 35	18 26	0 5	14 54	1 46	29 17	15 33	4 28	4 30	6 40		n.a.
F 10	5 7	25 20	5 1	8 45	0 48	7 52	1 58	3 38	0 53	14 9	0 37	17 44	1 36	18 27	0 5	14 53	1 46	29 17	15 33	4 28	4 28	6 43		n.a.
S 11	5 30	21 12	4 28	9 43	0 58	7 54	1 47	3 19	0 52	14 13	0 36	17 42	1 36	18 27	0 5	14 53	1 46	29 17	15 34	4 28	4 27	6 47		n.a.
S 12	5 52	15 45	3 38	10 39	1 8	7 54	1 36	3 1	0 52	14 17	0 36	17 41	1 36	18 28	0 5	14 53	1 46	29 17	15 34	4 28	4 26	6 50		n.a.
M13	6 15	9 16	2 32	11 34	1 17	7 53	1 26	2 43	0 51	14 22	0 36	17 40	1 36	18 29	0 5	14 52	1 46	29 17	15 34	4 28	4 24	6 53		n.a.
T 14	6 37	2 9	1 15	12 27	1 26	7 52	1 16	2 25	0 51	14 26	0 36	17 38	1 36	18 30	0 5	14 52	1 46	29 17	15 34	4 28	4 23	6 57		n.a.
W15	7 0	5n11	0n 8	13 18	1 35	7 50	1 6	2 7	0 51	14 30	0 36	17 37	1 37	18 31	0 5	14 51	1 46	29 17	15 35	4 28	4 22	7 0		n.a.
T 16	7 22	12 16	1 31	14 7	1 42	7 47	0 56	1 49	0 50	14 35	0 36	17 36	1 37	18 31	0 5	14 51	1 46	29 17	15 35	4 28	4 21	7 4		n.a.
F 17	7 44	18 35	2 47	14 54	1 50	7 43	0 47	1 31	0 50	14 39	0 36	17 34	1 37	18 32	0 5	14 50	1 46	29 17	15 35	4 28	4 19	7 7		n.a.
S 18	8 6	23 41	3 51	15 38	1 56	7 38	0 38	1 13	0 49	14 43	0 36	17 33	1 37	18 33	0 5	14 50	1 46	29 17	15 36	4 27	4 18	7 10		n.a.
S 19	8 28	27 10	4 38	16 20	2 2	7 33	0 29	0 55	0 49	14 48	0 35	17 32	1 37	18 34	0 5	14 50	1 46	29 17	15 36	4 27	4 17	7 14		n.a.
M20	8 50	28 50	5 7	17 0	2 7	7 27	0 20	0 37	0 48	14 52	0 35	17 31	1 38	18 35	0 5	14 49	1 46	29 17	15 36	4 27	4 16	7 17		n.a.
T 21	9 11	28 40	5 17	17 38	2 12	7 20	0 12	0 19	0 48	14 56	0 35	17 30	1 38	18 36	0 5	14 49	1 46	29 17	15 37	4 26	4 14	7 21		n.a.
W22	9 33	26 52	5 10	18 13	2 16	7 13	0 4	0 1	0 47	15 1	0 35	17 29	1 38	18 36	0 5	14 48	1 46	29 17	15 37	4 26	4 13	7 24		n.a.
T 23	9 54	23 42	4 48	18 46	2 19	7 5	0s 4	0n17	0 47	15 5	0 35	17 27	1 38	18 37	0 5	14 48	1 46	29 17	15 37	4 26	4 12	7 27		n.a.
F 24	10 15	19 32	4 12	19 16	2 21	6 56	0 12	0 35	0 47	15 9	0 35	17 26	1 38	18 38	0 5	14 47	1 46	29 17	15 38	4 27	4 11	7 31		n.a.
S 25	10 36	14 38	3 26	19 44	2 22	6 46	0 20	0 53	0 46	15 14	0 35	17 25	1 39	18 39	0 5	14 47	1 46	29 17	15 38	4 27	4 9	7 34		n.a.
S 26	10 57	9 16	2 32	20 10	2 23	6 36	0 27	1 11	0 46	15 18	0 35	17 24	1 39	18 40	0 5	14 46	1 46	29 17	15 38	4 28	4 8	7 38		n.a.
M27	11 18	3 38	1 31	20 34	2 23	6 25	0 34	1 29	0 45	15 22	0 34	17 23	1 39	18 41	0 5	14 46	1 46	29 17	15 39	4 28	4 7	7 41		n.a.
T 28	11 38	2s 6	0 27	20 55	2 22	6 14	0 41	1 47	0 45	15 26	0 34	17 22	1 39	18 42	0 5	14 45	1 46	29 17	15 39	4 28	4 6	7 44		n.a.
W29	11 59	7 45	0s38	21 14	2 21	6 2	0 47	2 5	0 44	15 31	0 34	17 21	1 40	18 42	0 5	14 45	1 46	29 17	15 39	4 28	4 4	7 48		n.a.
T 30	12n19	13s 9	1s41	21n31	2n18	5s49	0s54	2n22	0s44	15n35	0s34	17s20	1s40	18n43	0s 5	14s45	1n46	29s17	15s40	4n28	4n 3	7s51		n.a.

Julian Day Number = 1481544.5, Delta T = 05h22m18s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'38, Lahiri = -13°01'37 Julian Calendar 1 Apr. 657 BCE == Greg. Calendar 25 March 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

MAY 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 8 7	2♉53'08	11♏43	26♉13	18♓18	8♈17	13♉45	17♒43	23♉ 8	14°R33	21♒25	11°R 6	10♈ 2	18♎12	n.a.	F 1
S 2	14 12 3	3°50'24	23°41	27°23	19° 6	9° 0	13°59	17°47	23°12	14♏31	21°25	11♈ 3	9°59	18°18	n.a.	S 2
S 3	14 16 0	4°47'38	5♐47	28°30	19°55	9°43	14°13	17°50	23°15	14°29	21°26	10°59	9°56	18°25	n.a.	S 3
M 4	14 19 56	5°44'52	18° 3	29°33	20°45	10°26	14°26	17°53	23°19	14°28	21°26	10°55	9°53	18°32	n.a.	M 4
T 5	14 23 53	6°42'05	0♑31	0♊32	21°35	11° 9	14°40	17°57	23°22	14°26	21°27	10°52	9°49	18°38	n.a.	T 5
W 6	14 27 49	7°39'18	13°12	1°28	22°26	11°52	14°54	18° 0	23°25	14°25	21°28	10°49	9°46	18°45	n.a.	W 6
T 7	14 31 46	8°36'30	26°11	2°20	23°18	12°34	15° 7	18° 3	23°29	14°23	21°28	10°47	9°43	18°52	n.a.	T 7
F 8	14 35 43	9°33'42	9♒28	3° 8	24°10	13°17	15°21	18° 6	23°32	14°21	21°29	10°D46	9°40	18°58	n.a.	F 8
S 9	14 39 39	10°30'53	23° 7	3°53	25° 3	14° 0	15°35	18° 9	23°36	14°20	21°29	10°47	9°37	19° 5	n.a.	S 9
S 10	14 43 36	11°28'04	7♓ 7	4°33	25°56	14°42	15°48	18°12	23°39	14°18	21°30	10°48	9°34	19°12	n.a.	S 10
M11	14 47 32	12°25'15	21°29	5°10	26°50	15°25	16° 2	18°14	23°43	14°17	21°30	10°49	9°30	19°18	n.a.	M11
T 12	14 51 29	13°22'25	6♈11	5°42	27°45	16° 8	16°16	18°17	23°46	14°15	21°30	10°R50	9°27	19°25	n.a.	T 12
W13	14 55 25	14°19'35	21° 8	6°10	28°40	16°50	16°30	18°20	23°50	14°13	21°31	10°50	9°24	19°32	n.a.	W13
T 14	14 59 22	15°16'45	6♉12	6°34	29°35	17°32	16°43	18°22	23°54	14°12	21°31	10°48	9°21	19°38	n.a.	T 14
F 15	15 3 19	16°13'55	21°15	6°53	0♈31	18°15	16°57	18°24	23°57	14°10	21°31	10°45	9°18	19°45	n.a.	F 15
S 16	15 7 15	17°11'04	6♊ 8	7° 8	1°27	18°57	17°11	18°27	24° 1	14° 8	21°32	10°40	9°15	19°52	n.a.	S 16
S 17	15 11 12	18° 8'13	20°43	7°18	2°24	19°39	17°24	18°29	24° 4	14° 7	21°32	10°35	9°11	19°58	n.a.	S 17
M18	15 15 8	19° 5'21	4♋53	7°24	3°21	20°21	17°38	18°31	24° 8	14° 5	21°32	10°29	9° 8	20° 5	n.a.	M18
T 19	15 19 5	20° 2'29	18°37	7°R25	4°19	21° 4	17°52	18°33	24°11	14° 4	21°33	10°24	9° 5	20°11	n.a.	T 19
W20	15 23 1	20°59'36	1♌52	7°22	5°17	21°46	18° 6	18°35	24°15	14° 2	21°33	10°21	9° 2	20°18	n.a.	W20
T 21	15 26 58	21°56'43	14°42	7°14	6°15	22°28	18°19	18°36	24°19	14° 0	21°33	10°19	8°59	20°25	n.a.	T 21
F 22	15 30 54	22°53'49	27° 9	7° 2	7°14	23°10	18°33	18°38	24°22	13°59	21°33	10°D19	8°55	20°31	n.a.	F 22
S 23	15 34 51	23°50'55	9♍20	6°45	8°13	23°51	18°47	18°40	24°26	13°57	21°33	10°20	8°52	20°38	n.a.	S 23
S 24	15 38 48	24°48'00	21°17	6°25	9°13	24°33	19° 0	18°41	24°29	13°56	21°33	10°22	8°49	20°45	n.a.	S 24
M25	15 42 44	25°45'05	3♎ 7	6° 1	10°12	25°15	19°14	18°42	24°33	13°54	21°34	10°23	8°46	20°51	n.a.	M25
T 26	15 46 41	26°42'09	14°55	5°34	11°13	25°57	19°28	18°44	24°36	13°53	21°34	10°R23	8°43	20°58	n.a.	T 26
W27	15 50 37	27°39'14	26°43	5° 4	12°13	26°38	19°41	18°45	24°40	13°51	21°34	10°21	8°40	21° 5	n.a.	W27
T 28	15 54 34	28°36'18	8♏35	4°31	13°14	27°20	19°55	18°46	24°44	13°49	21°34	10°18	8°36	21°11	n.a.	T 28
F 29	15 58 30	29°33'22	20°35	3°56	14°15	28° 1	20° 8	18°47	24°47	13°48	21°R34	10°12	8°33	21°18	n.a.	F 29
S 30	16 2 27	0♊30'27	2♐44	3°20	15°16	28°43	20°22	18°48	24°51	13°46	21°34	10° 5	8°30	21°25	n.a.	S 30
S 31	16 6 23	1♊27'31	15♐ 3	2♊43	16♈18	29♈24	20♉36	18♒49	24♉54	13♏45	21♒34	9♈56	8♈27	21♎31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n39	18s 6	2s41	21n46	2n15	5s36	1s 0	2n40	0s43	15n39	0s34	17s19	1s40	18n44	0s 5	14s44	1n46	29s18	15s40	4n27	4n 2	7s55		n.a.
S 2	12 58	22 24	3 33	21 58	2 11	5 23	1 6	2 58	0 43	15 43	0 34	17 18	1 40	18 45	0 5	14 44	1 46	29 18	15 40	4 26	4 0	7 58		n.a.
S 3	13 18	25 47	4 17	22 9	2 6	5 8	1 12	3 15	0 42	15 47	0 34	17 18	1 40	18 46	0 5	14 43	1 46	29 18	15 41	4 24	3 59	8 1		n.a.
M 4	13 37	28 2	4 49	22 18	2 0	4 54	1 17	3 33	0 42	15 52	0 34	17 17	1 41	18 47	0 5	14 43	1 46	29 18	15 41	4 23	3 58	8 5		n.a.
T 5	13 57	28 55	5 9	22 24	1 54	4 38	1 22	3 50	0 41	15 56	0 34	17 16	1 41	18 48	0 5	14 42	1 46	29 18	15 42	4 21	3 57	8 8		n.a.
W 6	14 16	28 19	5 14	22 29	1 47	4 23	1 28	4 8	0 41	16 0	0 33	17 15	1 41	18 49	0 5	14 42	1 46	29 18	15 42	4 20	3 55	8 11		n.a.
T 7	14 34	26 10	5 3	22 32	1 39	4 6	1 32	4 25	0 40	16 4	0 33	17 14	1 41	18 50	0 5	14 41	1 46	29 18	15 42	4 20	3 54	8 15		n.a.
F 8	14 53	22 33	4 35	22 33	1 30	3 50	1 37	4 43	0 40	16 8	0 33	17 14	1 42	18 50	0 5	14 41	1 46	29 19	15 43	4 19	3 53	8 18		n.a.
S 9	15 11	17 39	3 52	22 32	1 20	3 33	1 42	5 0	0 39	16 12	0 33	17 13	1 42	18 51	0 5	14 40	1 46	29 19	15 43	4 19	3 52	8 21		n.a.
S 10	15 29	11 43	2 54	22 30	1 10	3 15	1 46	5 17	0 39	16 17	0 33	17 12	1 42	18 52	0 5	14 40	1 46	29 19	15 43	4 20	3 50	8 25		n.a.
M11	15 47	5 1	1 44	22 26	0 59	2 57	1 50	5 34	0 38	16 21	0 33	17 12	1 42	18 53	0 5	14 39	1 46	29 19	15 44	4 21	3 49	8 28		n.a.
T 12	16 4	2n 6	0 25	22 20	0 47	2 39	1 54	5 51	0 37	16 25	0 33	17 11	1 43	18 54	0 5	14 39	1 46	29 19	15 44	4 21	3 48	8 32		n.a.
W13	16 22	9 13	0n56	22 13	0 35	2 20	1 58	6 8	0 37	16 29	0 33	17 11	1 43	18 55	0 5	14 38	1 46	29 20	15 44	4 21	3 47	8 35		n.a.
T 14	16 39	15 53	2 14	22 4	0 21	2 1	2 2	6 25	0 36	16 33	0 33	17 10	1 43	18 56	0 5	14 38	1 46	29 20	15 45	4 20	3 45	8 38		n.a.
F 15	16 56	21 35	3 23	21 54	0 8	1 42	2 5	6 42	0 36	16 37	0 33	17 10	1 43	18 57	0 5	14 37	1 46	29 20	15 45	4 19	3 44	8 42		n.a.
S 16	17 12	25 51	4 17	21 42	0s 7	1 22	2 8	6 59	0 35	16 41	0 32	17 9	1 44	18 58	0 5	14 37	1 46	29 20	15 46	4 17	3 43	8 45		n.a.
S 17	17 28	28 19	4 53	21 29	0 21	1 2	2 11	7 16	0 35	16 45	0 32	17 9	1 44	18 58	0 5	14 36	1 46	29 20	15 46	4 15	3 41	8 48		n.a.
M18	17 44	28 50	5 9	21 15	0 37	0 42	2 14	7 32	0 34	16 49	0 32	17 8	1 44	18 59	0 5	14 36	1 46	29 21	15 46	4 12	3 40	8 52		n.a.
T 19	18 0	27 32	5 8	21 0	0 53	0 21	2 17	7 49	0 34	16 53	0 32	17 8	1 44	19 0	0 5	14 35	1 46	29 21	15 47	4 11	3 39	8 55		n.a.
W20	18 15	24 43	4 49	20 43	1 9	0 0	2 20	8 5	0 33	16 57	0 32	17 7	1 45	19 1	0 5	14 35	1 46	29 21	15 47	4 9	3 38	8 58		n.a.
T 21	18 31	20 44	4 17	20 26	1 25	0n21	2 22	8 22	0 32	17 1	0 32	17 7	1 45	19 2	0 5	14 35	1 46	29 22	15 47	4 9	3 36	9 2		n.a.
F 22	18 45	15 57	3 33	20 8	1 41	0 42	2 24	8 38	0 32	17 5	0 32	17 7	1 45	19 3	0 5	14 34	1 46	29 22	15 48	4 9	3 35	9 5		n.a.
S 23	19 0	10 39	2 40	19 49	1 57	1 4	2 26	8 54	0 31	17 9	0 32	17 7	1 45	19 4	0 5	14 34	1 46	29 22	15 48	4 9	3 34	9 8		n.a.
S 24	19 14	5 3	1 42	19 30	2 14	1 26	2 28	9 10	0 31	17 13	0 32	17 6	1 46	19 5	0 5	14 33	1 46	29 22	15 49	4 9	3 33	9 12		n.a.
M25	19 28	0s40	0 39	19 10	2 29	1 48	2 30	9 26	0 30	17 16	0 32	17 6	1 46	19 6	0 5	14 33	1 46	29 23	15 49	4 10	3 31	9 15		n.a.
T 26	19 42	6 20	0s24	18 50	2 45	2 10	2 32	9 42	0 30	17 20	0 31	17 6	1 46	19 7	0 5	14 32	1 46	29 23	15 49	4 10	3 30	9 18		n.a.
W27	19 55	11 48	1 27	18 30	3 0	2 33	2 33	9 58	0 29	17 24	0 31	17 6	1 46	19 7	0 5	14 32	1 46	29 23	15 50	4 9	3 29	9 22		n.a.
T 28	20 8	16 52	2 26	18 10	3 14	2 55	2 35	10 14	0 28	17 28	0 31	17 6	1 47	19 8	0 5	14 31	1 46	29 24	15 50	4 8	3 28	9 25		n.a.
F 29	20 20	21 21	3 19	17 51	3 27	3 18	2 36	10 29	0 28	17 32	0 31	17 6	1 47	19 9	0 5	14 31	1 46	29 24	15 50	4 6	3 26	9 28		n.a.
S 30	20 33	24 59	4 4	17 32	3 39	3 41	2 37	10 45	0 27	17 35	0 31	17 6	1 47	19 10	0 5	14 30	1 46	29 24	15 51	4 3	3 25	9 32		n.a.
S 31	20n45	27s32	4s38	17n14	3s50	4n 4	2s38	11n 0	0s27	17n39	0s31	17s 6	1s47	19n11	0s 5	14s30	1n46	29s25	15s51	3n59	3n24	9s35		n.a.

Julian Day Number = 1481574.5, Delta T = 05h22m16s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'34, Lahiri = -13°01'33 Julian Calendar 1 May 657 BCE == Greg. Calendar 24 Apr. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

JUNE 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 10 20	2♊24'36	27♐33	2°R 6	17♈20	0♉ 5	20♉49	18♒49	24♉58	13°R43	21°R34	9°R47	8♈24	21♎38	n.a.	M 1
T 2	16 14 17	3°21'41	10♑16	1♊30	18°22	0°47	21° 3	18°50	25° 1	13♏42	21♒34	9♈38	8°21	21°45	n.a.	T 2
W 3	16 18 13	4°18'46	23°10	0°54	19°25	1°28	21°16	18°50	25° 5	13°40	21°33	9°30	8°17	21°51	n.a.	W 3
T 4	16 22 10	5°15'52	6♒18	0°21	20°27	2° 9	21°30	18°51	25° 9	13°39	21°33	9°25	8°14	21°58	n.a.	T 4
F 5	16 26 6	6°12'58	19°40	29♉49	21°30	2°50	21°43	18°51	25°12	13°37	21°33	9°21	8°11	22° 5	n.a.	F 5
S 6	16 30 3	7°10'05	3♓17	29°21	22°34	3°31	21°57	18°51	25°16	13°36	21°33	9°D20	8° 8	22°11	n.a.	S 6
S 7	16 33 59	8° 7'13	17°10	28°56	23°37	4°12	22°10	18°R51	25°19	13°34	21°33	9°20	8° 5	22°18	n.a.	S 7
M 8	16 37 56	9° 4'21	1♈18	28°35	24°41	4°53	22°23	18°51	25°23	13°33	21°33	9°21	8° 1	22°24	n.a.	M 8
T 9	16 41 53	10° 1'30	15°43	28°18	25°45	5°34	22°37	18°51	25°26	13°32	21°32	9°R21	7°58	22°31	n.a.	T 9
W10	16 45 49	10°58'39	0♉19	28° 6	26°49	6°15	22°50	18°51	25°30	13°30	21°32	9°19	7°55	22°38	n.a.	W10
T 11	16 49 46	11°55'50	15° 5	27°59	27°53	6°56	23° 3	18°50	25°33	13°29	21°32	9°15	7°52	22°44	n.a.	T 11
F 12	16 53 42	12°53'01	29°51	27°D56	28°58	7°36	23°17	18°50	25°37	13°27	21°32	9° 9	7°49	22°51	n.a.	F 12
S 13	16 57 39	13°50'13	14♊32	28° 0	0♉ 3	8°17	23°30	18°49	25°40	13°26	21°31	9° 0	7°46	22°58	n.a.	S 13
S 14	17 1 35	14°47'25	29° 0	28° 8	1° 8	8°57	23°43	18°49	25°44	13°25	21°31	8°50	7°42	23° 4	n.a.	S 14
M15	17 5 32	15°44'38	13♋ 7	28°23	2°13	9°38	23°56	18°48	25°47	13°23	21°31	8°40	7°39	23°11	n.a.	M15
T 16	17 9 29	16°41'51	26°50	28°42	3°18	10°18	24° 9	18°47	25°50	13°22	21°30	8°31	7°36	23°18	n.a.	T 16
W17	17 13 25	17°39'05	10♌ 6	29° 8	4°24	10°59	24°23	18°46	25°54	13°21	21°30	8°24	7°33	23°24	n.a.	W17
T 18	17 17 22	18°36'19	22°58	29°39	5°29	11°39	24°36	18°45	25°57	13°20	21°29	8°19	7°30	23°31	n.a.	T 18
F 19	17 21 18	19°33'34	5♍27	0♊16	6°35	12°19	24°49	18°44	26° 1	13°18	21°29	8°16	7°27	23°38	n.a.	F 19
S 20	17 25 15	20°30'49	17°38	0°59	7°41	12°59	25° 2	18°42	26° 4	13°17	21°28	8°D15	7°23	23°44	n.a.	S 20
S 21	17 29 11	21°28'04	29°35	1°47	8°47	13°40	25°15	18°41	26° 7	13°16	21°28	8°15	7°20	23°51	n.a.	S 21
M22	17 33 8	22°25'20	11♎26	2°40	9°54	14°20	25°27	18°40	26°11	13°15	21°27	8°R16	7°17	23°58	n.a.	M22
T 23	17 37 4	23°22'37	23°13	3°40	11° 0	15° 0	25°40	18°38	26°14	13°14	21°27	8°15	7°14	24° 4	n.a.	T 23
W24	17 41 1	24°19'55	5♏ 4	4°44	12° 7	15°40	25°53	18°36	26°17	13°13	21°26	8°12	7°11	24°11	n.a.	W24
T 25	17 44 58	25°17'13	17° 2	5°54	13°14	16°19	26° 6	18°35	26°20	13°11	21°26	8° 6	7° 7	24°18	n.a.	T 25
F 26	17 48 54	26°14'32	29° 9	7° 9	14°21	16°59	26°19	18°33	26°24	13°10	21°25	7°59	7° 4	24°24	n.a.	F 26
S 27	17 52 51	27°11'52	11♐30	8°29	15°28	17°39	26°31	18°31	26°27	13° 9	21°25	7°48	7° 1	24°31	n.a.	S 27
S 28	17 56 47	28° 9'13	24° 4	9°53	16°35	18°19	26°44	18°29	26°30	13° 8	21°24	7°36	6°58	24°38	n.a.	S 28
M29	18 0 44	29° 6'35	6♑53	11°23	17°43	18°58	26°56	18°27	26°33	13° 7	21°23	7°23	6°55	24°44	n.a.	M29
T 30	18 4 40	0♋ 3'58	19♑55	12♊56	18♉50	19♉38	27♉ 9	18♒25	26♉36	13♏ 6	21♒23	7♈11	6♈52	24♎51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n56	28s44	4s59	16n57	4s 0	4n27	2s39	11n15	0s26	17n43	0s31	17s 6	1s48	19n12	0s 5	14s30	1n46	29s25	15s52	3n56	3n22	9s38		n.a.
T 2	21 7	28 27	5 6	16 42	4 8	4 51	2 40	11 31	0 25	17 47	0 31	17 6	1 48	19 13	0 5	14 29	1 46	29 26	15 52	3 52	3 21	9 42		n.a.
W 3	21 18	26 38	4 57	16 28	4 15	5 14	2 40	11 46	0 25	17 50	0 31	17 6	1 48	19 14	0 5	14 29	1 46	29 26	15 52	3 49	3 20	9 45		n.a.
T 4	21 29	23 22	4 33	16 16	4 21	5 38	2 40	12 1	0 24	17 54	0 31	17 6	1 48	19 15	0 5	14 28	1 46	29 26	15 53	3 47	3 19	9 48		n.a.
F 5	21 39	18 49	3 54	16 5	4 25	6 1	2 41	12 16	0 23	17 57	0 31	17 6	1 49	19 15	0 5	14 28	1 46	29 27	15 53	3 45	3 17	9 52		n.a.
S 6	21 49	13 15	3 1	15 57	4 27	6 25	2 41	12 30	0 23	18 1	0 31	17 6	1 49	19 16	0 5	14 28	1 46	29 27	15 53	3 45	3 16	9 55		n.a.
S 7	21 58	6 55	1 56	15 51	4 28	6 48	2 41	12 45	0 22	18 5	0 31	17 7	1 49	19 17	0 5	14 27	1 46	29 27	15 54	3 45	3 15	9 58		n.a.
M 8	22 7	0 8	0 43	15 47	4 27	7 12	2 41	13 0	0 22	18 8	0 30	17 7	1 49	19 18	0 5	14 27	1 46	29 28	15 54	3 45	3 14	10 2		n.a.
T 9	22 16	6n47	0n34	15 45	4 25	7 36	2 41	13 14	0 21	18 12	0 30	17 7	1 50	19 19	0 5	14 26	1 46	29 28	15 55	3 45	3 12	10 5		n.a.
W10	22 24	13 27	1 50	15 46	4 22	7 59	2 40	13 28	0 20	18 15	0 30	17 7	1 50	19 20	0 5	14 26	1 46	29 29	15 55	3 45	3 11	10 8		n.a.
T 11	22 32	19 26	2 59	15 49	4 17	8 23	2 40	13 43	0 20	18 19	0 30	17 8	1 50	19 21	0 5	14 26	1 46	29 29	15 55	3 43	3 10	10 12		n.a.
F 12	22 40	24 14	3 55	15 54	4 11	8 47	2 39	13 57	0 19	18 22	0 30	17 8	1 50	19 21	0 5	14 25	1 46	29 30	15 56	3 41	3 8	10 15		n.a.
S 13	22 47	27 26	4 36	16 2	4 4	9 10	2 39	14 10	0 18	18 26	0 30	17 9	1 51	19 22	0 5	14 25	1 46	29 30	15 56	3 37	3 7	10 18		n.a.
S 14	22 54	28 45	4 59	16 12	3 56	9 34	2 38	14 24	0 18	18 29	0 30	17 9	1 51	19 23	0 5	14 24	1 46	29 31	15 56	3 33	3 6	10 21		n.a.
M15	23 0	28 8	5 2	16 24	3 47	9 57	2 37	14 38	0 17	18 32	0 30	17 10	1 51	19 24	0 5	14 24	1 46	29 31	15 57	3 29	3 5	10 25		n.a.
T 16	23 6	25 47	4 48	16 38	3 36	10 21	2 36	14 52	0 16	18 36	0 30	17 10	1 51	19 25	0 5	14 24	1 46	29 31	15 57	3 25	3 3	10 28		n.a.
W17	23 12	22 6	4 18	16 54	3 26	10 44	2 35	15 5	0 16	18 39	0 30	17 11	1 52	19 26	0 5	14 23	1 46	29 32	15 57	3 23	3 2	10 31		n.a.
T 18	23 17	17 27	3 36	17 12	3 14	11 7	2 34	15 18	0 15	18 42	0 30	17 11	1 52	19 26	0 5	14 23	1 46	29 32	15 58	3 21	3 1	10 35		n.a.
F 19	23 22	12 12	2 45	17 32	3 2	11 30	2 33	15 31	0 14	18 46	0 30	17 12	1 52	19 27	0 5	14 23	1 46	29 33	15 58	3 19	3 0	10 38		n.a.
S 20	23 26	6 36	1 47	17 53	2 49	11 53	2 31	15 44	0 14	18 49	0 30	17 12	1 52	19 28	0 5	14 22	1 45	29 33	15 58	3 19	2 58	10 41		n.a.
S 21	23 30	0 52	0 46	18 16	2 36	12 16	2 30	15 57	0 13	18 52	0 30	17 13	1 53	19 29	0 5	14 22	1 45	29 34	15 59	3 19	2 57	10 44		n.a.
M22	23 33	4s50	0s17	18 40	2 23	12 38	2 29	16 10	0 12	18 55	0 29	17 14	1 53	19 30	0 5	14 22	1 45	29 34	15 59	3 19	2 56	10 48		n.a.
T 23	23 36	10 22	1 19	19 4	2 9	13 1	2 27	16 23	0 12	18 58	0 29	17 15	1 53	19 30	0 5	14 21	1 45	29 35	15 59	3 19	2 55	10 51		n.a.
W24	23 39	15 33	2 17	19 30	1 55	13 23	2 25	16 35	0 11	19 2	0 29	17 15	1 53	19 31	0 5	14 21	1 45	29 35	16 0	3 18	2 53	10 54		n.a.
T 25	23 41	20 11	3 10	19 56	1 41	13 45	2 23	16 47	0 10	19 5	0 29	17 16	1 54	19 32	0 5	14 21	1 45	29 36	16 0	3 16	2 52	10 58		n.a.
F 26	23 43	24 4	3 55	20 23	1 27	14 7	2 22	16 59	0 10	19 8	0 29	17 17	1 54	19 33	0 5	14 21	1 45	29 36	16 0	3 12	2 51	11 1		n.a.
S 27	23 45	26 56	4 30	20 50	1 13	14 29	2 20	17 12	0 9	19 11	0 29	17 18	1 54	19 34	0 5	14 20	1 45	29 37	16 1	3 8	2 49	11 4		n.a.
S 28	23 46	28 30	4 52	21 17	0 59	14 50	2 18	17 23	0 8	19 14	0 29	17 19	1 54	19 34	0 5	14 20	1 45	29 37	16 1	3 3	2 48	11 7		n.a.
M29	23 46	28 36	5 0	21 43	0 45	15 11	2 16	17 35	0 8	19 17	0 29	17 19	1 55	19 35	0 5	14 20	1 45	29 38	16 1	2 58	2 47	11 11		n.a.
T 30	23n47	27s 6	4s53	22n 9	0s31	15n32	2s13	17n47	0s 7	19n20	0s29	17s20	1s55	19n36	0s 5	14s20	1n45	29s38	16s 2	2n54	2n46	11s14		n.a.

Julian Day Number = 1481605.5, Delta T = 05h22m15s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'29, Lahiri = -13°01'29 Julian Calendar 1 June 657 BCE == Greg. Calendar 25 May 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

JULY 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 8 37	1♋ 1'23	3♒10	14♊34	19♉58	20♉17	27♉21	18°R22	26♉39	13°R 5	21°R22	7°R 1	6♈48	24♎57	n.a.	W 1
T 2	18 12 33	1°58'48	16°36	16°16	21° 6	20°57	27°34	18♒20	26°42	13♏ 4	21♒21	6♈53	6°45	25° 4	n.a.	T 2
F 3	18 16 30	2°56'15	0♓12	18° 2	22°14	21°36	27°46	18°17	26°46	13° 4	21°21	6°47	6°42	25°11	n.a.	F 3
S 4	18 20 27	3°53'43	13°58	19°50	23°22	22°15	27°58	18°15	26°49	13° 3	21°20	6°45	6°39	25°17	n.a.	S 4
S 5	18 24 23	4°51'13	27°52	21°42	24°30	22°55	28°11	18°12	26°52	13° 2	21°19	6°44	6°36	25°24	n.a.	S 5
M 6	18 28 20	5°48'45	11♈55	23°36	25°39	23°34	28°23	18° 9	26°55	13° 1	21°18	6°44	6°33	25°31	n.a.	M 6
T 7	18 32 16	6°46'18	26° 6	25°33	26°47	24°13	28°35	18° 7	26°58	13° 0	21°17	6°43	6°29	25°37	n.a.	T 7
W 8	18 36 13	7°43'52	10♉24	27°31	27°56	24°52	28°47	18° 4	27° 0	12°59	21°17	6°41	6°26	25°44	n.a.	W 8
T 9	18 40 9	8°41'28	24°46	29°31	29° 5	25°31	28°59	18° 1	27° 3	12°59	21°16	6°36	6°23	25°51	n.a.	T 9
F 10	18 44 6	9°39'06	9♊ 9	1♋32	0♊14	26°10	29°11	17°58	27° 6	12°58	21°15	6°28	6°20	25°57	n.a.	F 10
S 11	18 48 2	10°36'46	23°27	3°34	1°23	26°49	29°23	17°54	27° 9	12°57	21°14	6°18	6°17	26° 4	n.a.	S 11
S 12	18 51 59	11°34'27	7♋35	5°36	2°32	27°28	29°34	17°51	27°12	12°57	21°13	6° 7	6°13	26°11	n.a.	S 12
M13	18 55 56	12°32'09	21°27	7°38	3°41	28° 6	29°46	17°48	27°15	12°56	21°12	5°55	6°10	26°17	n.a.	M13
T 14	18 59 52	13°29'53	4♌59	9°40	4°51	28°45	29°58	17°45	27°17	12°55	21°11	5°44	6° 7	26°24	n.a.	T 14
W15	19 3 49	14°27'39	18° 9	11°42	6° 0	29°24	0♊ 9	17°41	27°20	12°55	21°11	5°34	6° 4	26°31	n.a.	W15
T 16	19 7 45	15°25'25	0♍57	13°43	7°10	0♊ 2	0°21	17°38	27°23	12°54	21°10	5°28	6° 1	26°37	n.a.	T 16
F 17	19 11 42	16°23'13	13°25	15°44	8°20	0°41	0°32	17°34	27°25	12°54	21° 9	5°24	5°58	26°44	n.a.	F 17
S 18	19 15 38	17°21'02	25°35	17°43	9°29	1°19	0°43	17°30	27°28	12°53	21° 8	5°22	5°54	26°51	n.a.	S 18
S 19	19 19 35	18°18'52	7♎33	19°42	10°39	1°57	0°55	17°27	27°31	12°53	21° 7	5°D22	5°51	26°57	n.a.	S 19
M20	19 23 31	19°16'44	19°24	21°40	11°49	2°36	1° 6	17°23	27°33	12°52	21° 6	5°R22	5°48	27° 4	n.a.	M20
T 21	19 27 28	20°14'37	1♏13	23°36	13° 0	3°14	1°17	17°19	27°36	12°52	21° 5	5°22	5°45	27°11	n.a.	T 21
W22	19 31 25	21°12'32	13° 5	25°32	14°10	3°52	1°28	17°15	27°38	12°52	21° 4	5°19	5°42	27°17	n.a.	W22
T 23	19 35 21	22°10'28	25° 6	27°26	15°20	4°30	1°39	17°11	27°40	12°51	21° 3	5°15	5°39	27°24	n.a.	T 23
F 24	19 39 18	23° 8'26	7♐20	29°19	16°31	5° 8	1°49	17° 7	27°43	12°51	21° 2	5° 8	5°35	27°31	n.a.	F 24
S 25	19 43 14	24° 6'25	19°49	1♑11	17°41	5°46	2° 0	17° 3	27°45	12°51	21° 1	4°59	5°32	27°37	n.a.	S 25
S 26	19 47 11	25° 4'26	2♑37	3° 1	18°52	6°24	2°11	16°59	27°48	12°51	21° 0	4°48	5°29	27°44	n.a.	S 26
M27	19 51 7	26° 2'29	15°43	4°50	20° 3	7° 1	2°21	16°55	27°50	12°50	20°58	4°37	5°26	27°51	n.a.	M27
T 28	19 55 4	27° 0'33	29° 6	6°38	21°13	7°39	2°32	16°51	27°52	12°50	20°57	4°26	5°23	27°57	n.a.	T 28
W29	19 59 1	27°58'39	12♒45	8°25	22°24	8°17	2°42	16°46	27°54	12°50	20°56	4°16	5°19	28° 4	n.a.	W29
T 30	20 2 57	28°56'47	26°35	10°10	23°35	8°54	2°52	16°42	27°56	12°50	20°55	4° 9	5°16	28°11	n.a.	T 30
F 31	20 6 54	29♋54'57	10♓34	11♌54	24♊47	9♊32	3♊ 2	16♒38	27♉58	12♏50	20♒54	4♈ 4	5♈13	28♎17	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n46	24s 6	4s30	22n34	0s18	15n53	2s11	17n58	0s 6	19n23	0s29	17s21	1s55	19n37	0s 5	14s19	1n45	29s39	16s 2	2n49	2n44	11s17			n.a.
T 2	23 46	19 45	3 52	22 58	0 5	16 13	2 9	18 9	0 5	19 26	0 29	17 22	1 55	19 37	0 5	14 19	1 45	29 39	16 2	2 46	2 43	11 20			n.a.
F 3	23 45	14 21	3 0	23 21	0n 7	16 33	2 7	18 21	0 5	19 28	0 29	17 23	1 55	19 38	0 5	14 19	1 45	29 40	16 3	2 44	2 42	11 24			n.a.
S 4	23 43	8 12	1 57	23 42	0 19	16 53	2 4	18 32	0 4	19 31	0 29	17 24	1 56	19 39	0 5	14 19	1 45	29 40	16 3	2 43	2 41	11 27			n.a.
S 5	23 41	1 34	0 47	24 1	0 30	17 12	2 2	18 42	0 3	19 34	0 29	17 25	1 56	19 39	0 5	14 18	1 45	29 41	16 3	2 42	2 39	11 30			n.a.
M 6	23 39	5n12	0n27	24 18	0 41	17 31	1 59	18 53	0 3	19 37	0 29	17 26	1 56	19 40	0 5	14 18	1 45	29 41	16 3	2 42	2 38	11 33			n.a.
T 7	23 36	11 46	1 41	24 32	0 50	17 49	1 57	19 4	0 2	19 40	0 29	17 28	1 56	19 41	0 5	14 18	1 45	29 42	16 4	2 42	2 37	11 37			n.a.
W 8	23 33	17 48	2 48	24 45	0 59	18 8	1 54	19 14	0 1	19 42	0 28	17 29	1 57	19 41	0 5	14 18	1 45	29 43	16 4	2 41	2 35	11 40			n.a.
T 9	23 29	22 51	3 45	24 54	1 8	18 26	1 51	19 24	0 0	19 45	0 28	17 30	1 57	19 42	0 5	14 18	1 45	29 43	16 4	2 39	2 34	11 43			n.a.
F 10	23 25	26 32	4 27	25 1	1 15	18 43	1 48	19 34	0n 0	19 48	0 28	17 31	1 57	19 43	0 4	14 17	1 44	29 44	16 4	2 36	2 33	11 46			n.a.
S 11	23 21	28 29	4 53	25 6	1 22	19 0	1 46	19 44	0 1	19 50	0 28	17 32	1 57	19 44	0 4	14 17	1 44	29 44	16 5	2 32	2 32	11 50			n.a.
S 12	23 16	28 33	5 0	25 7	1 28	19 17	1 43	19 54	0 2	19 53	0 28	17 33	1 57	19 44	0 4	14 17	1 44	29 45	16 5	2 28	2 30	11 53			n.a.
M13	23 11	26 48	4 50	25 6	1 33	19 33	1 40	20 4	0 3	19 56	0 28	17 35	1 58	19 45	0 4	14 17	1 44	29 45	16 5	2 23	2 29	11 56			n.a.
T 14	23 5	23 32	4 23	25 2	1 37	19 49	1 37	20 13	0 3	19 58	0 28	17 36	1 58	19 45	0 4	14 17	1 44	29 46	16 5	2 18	2 28	11 59			n.a.
W15	22 59	19 7	3 42	24 55	1 41	20 4	1 34	20 22	0 4	20 1	0 28	17 37	1 58	19 46	0 4	14 17	1 44	29 46	16 6	2 15	2 26	12 3			n.a.
T 16	22 52	13 57	2 52	24 46	1 43	20 19	1 31	20 31	0 5	20 3	0 28	17 38	1 58	19 47	0 4	14 17	1 44	29 47	16 6	2 12	2 25	12 6			n.a.
F 17	22 45	8 21	1 54	24 35	1 45	20 33	1 28	20 40	0 6	20 6	0 28	17 40	1 58	19 47	0 4	14 17	1 44	29 47	16 6	2 10	2 24	12 9			n.a.
S 18	22 38	2 34	0 52	24 21	1 47	20 47	1 25	20 49	0 6	20 8	0 28	17 41	1 59	19 48	0 4	14 17	1 44	29 48	16 6	2 10	2 23	12 12			n.a.
S 19	22 30	3s13	0s12	24 5	1 47	21 0	1 22	20 58	0 7	20 11	0 28	17 42	1 59	19 49	0 4	14 16	1 44	29 49	16 7	2 10	2 21	12 15			n.a.
M20	22 22	8 50	1 14	23 46	1 48	21 13	1 19	21 6	0 8	20 13	0 28	17 44	1 59	19 49	0 4	14 16	1 44	29 49	16 7	2 10	2 20	12 19			n.a.
T 21	22 14	14 8	2 13	23 26	1 47	21 26	1 16	21 14	0 9	20 15	0 28	17 45	1 59	19 50	0 4	14 16	1 44	29 50	16 7	2 9	2 19	12 22			n.a.
W22	22 5	18 56	3 6	23 4	1 46	21 37	1 13	21 22	0 9	20 18	0 28	17 46	1 59	19 50	0 4	14 16	1 44	29 50	16 7	2 9	2 18	12 25			n.a.
T 23	21 55	23 3	3 52	22 40	1 44	21 49	1 9	21 30	0 10	20 20	0 28	17 48	1 59	19 51	0 4	14 16	1 44	29 51	16 7	2 7	2 16	12 28			n.a.
F 24	21 46	26 14	4 28	22 15	1 42	21 59	1 6	21 38	0 11	20 22	0 28	17 49	2 0	19 51	0 4	14 16	1 44	29 51	16 8	2 4	2 15	12 31			n.a.
S 25	21 36	28 14	4 52	21 48	1 39	22 9	1 3	21 46	0 12	20 24	0 28	17 51	2 0	19 52	0 4	14 16	1 44	29 52	16 8	2 1	2 14	12 35			n.a.
S 26	21 25	28 47	5 2	21 19	1 36	22 19	1 0	21 53	0 12	20 26	0 28	17 52	2 0	19 52	0 4	14 16	1 44	29 52	16 8	1 56	2 12	12 38			n.a.
M27	21 14	27 45	4 57	20 49	1 33	22 28	0 56	22 0	0 13	20 29	0 27	17 53	2 0	19 53	0 4	14 16	1 43	29 53	16 8	1 52	2 11	12 41			n.a.
T 28	21 3	25 6	4 35	20 18	1 29	22 36	0 53	22 8	0 14	20 31	0 27	17 55	2 0	19 54	0 4	14 16	1 43	29 53	16 8	1 47	2 10	12 44			n.a.
W29	20 51	21 1	3 58	19 46	1 24	22 43	0 50	22 14	0 15	20 33	0 27	17 56	2 0	19 54	0 4	14 16	1 43	29 54	16 9	1 43	2 9	12 47			n.a.
T 30	20 40	15 44	3 5	19 13	1 20	22 50	0 47	22 21	0 16	20 35	0 27	17 58	2 1	19 55	0 4	14 16	1 43	29 55	16 9	1 40	2 7	12 51			n.a.
F 31	20n27	9s35	2s 2	18n39	1n15	22n57	0s43	22n28	0n16	20n37	0s27	17s59	2s 1	19n55	0s 4	14s16	1n43	29s55	16s 9	1n38	2n 6	12s54			n.a.

Julian Day Number = 1481635.5, Delta T = 05h22m13s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'25, Lahiri = -13°01'25 Julian Calendar 1 July 657 BCE == Greg. Calendar 24 June 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

AUGUST 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 10 50	0♌53'08	24♓38	13♌37	25♊58	10♊ 9	3♊12	16°R33	28♉ 1	12°R50	20°R53	4°R 2	5♈10	28♎24	n.a.	S 1
S 2	20 14 47	1°51'22	8♈46	15°19	27° 9	10°47	3°22	16♒29	28° 3	12°D50	20♒52	4°D 2	5° 7	28°30	n.a.	S 2
M 3	20 18 43	2°49'38	22°54	17° 0	28°21	11°24	3°32	16°24	28° 5	12♏50	20°51	4♈ 2	5° 4	28°37	n.a.	M 3
T 4	20 22 40	3°47'57	7♉ 2	18°39	29°32	12° 1	3°42	16°20	28° 6	12°50	20°50	4°R 3	5° 0	28°44	n.a.	T 4
W 5	20 26 36	4°46'18	21° 9	20°17	0♋44	12°38	3°52	16°15	28° 8	12°50	20°48	4° 2	4°57	28°50	n.a.	W 5
T 6	20 30 33	5°44'41	5♊13	21°54	1°55	13°15	4° 1	16°11	28°10	12°50	20°47	3°58	4°54	28°57	n.a.	T 6
F 7	20 34 29	6°43'06	19°12	23°30	3° 7	13°52	4°10	16° 6	28°12	12°50	20°46	3°53	4°51	29° 4	n.a.	F 7
S 8	20 38 26	7°41'34	3♋ 4	25° 5	4°19	14°29	4°20	16° 2	28°14	12°50	20°45	3°45	4°48	29°10	n.a.	S 8
S 9	20 42 23	8°40'03	16°46	26°39	5°31	15° 6	4°29	15°57	28°16	12°51	20°44	3°36	4°45	29°17	n.a.	S 9
M10	20 46 19	9°38'35	0♌14	28°11	6°43	15°43	4°38	15°52	28°17	12°51	20°43	3°26	4°41	29°24	n.a.	M10
T 11	20 50 16	10°37'09	13°27	29°43	7°55	16°19	4°47	15°48	28°19	12°51	20°41	3°18	4°38	29°30	n.a.	T 11
W12	20 54 12	11°35'45	26°23	1♍13	9° 7	16°56	4°56	15°43	28°20	12°52	20°40	3°11	4°35	29°37	n.a.	W12
T 13	20 58 9	12°34'23	9♍ 1	2°42	10°20	17°33	5° 4	15°38	28°22	12°52	20°39	3° 6	4°32	29°44	n.a.	T 13
F 14	21 2 5	13°33'02	21°22	4°11	11°32	18° 9	5°13	15°34	28°23	12°52	20°38	3° 3	4°29	29°50	n.a.	F 14
S 15	21 6 2	14°31'44	3♎29	5°38	12°45	18°45	5°21	15°29	28°25	12°53	20°37	3°D 2	4°25	29°57	n.a.	S 15
S 16	21 9 58	15°30'27	15°26	7° 3	13°57	19°22	5°30	15°24	28°26	12°53	20°35	3° 3	4°22	0♏ 4	n.a.	S 16
M17	21 13 55	16°29'12	27°16	8°28	15°10	19°58	5°38	15°19	28°27	12°54	20°34	3° 4	4°19	0°10	n.a.	M17
T 18	21 17 52	17°27'59	9♏ 5	9°51	16°22	20°34	5°46	15°15	28°29	12°54	20°33	3° 5	4°16	0°17	n.a.	T 18
W19	21 21 48	18°26'48	20°57	11°14	17°35	21°10	5°54	15°10	28°30	12°55	20°32	3°R 6	4°13	0°24	n.a.	W19
T 20	21 25 45	19°25'39	2♐58	12°35	18°48	21°46	6° 2	15° 5	28°31	12°55	20°30	3° 4	4°10	0°30	n.a.	T 20
F 21	21 29 41	20°24'32	15°13	13°54	20° 1	22°21	6° 9	15° 1	28°32	12°56	20°29	3° 1	4° 6	0°37	n.a.	F 21
S 22	21 33 38	21°23'27	27°46	15°13	21°14	22°57	6°17	14°56	28°33	12°57	20°28	2°57	4° 3	0°44	n.a.	S 22
S 23	21 37 34	22°22'24	10♑40	16°30	22°27	23°33	6°24	14°51	28°34	12°57	20°27	2°51	4° 0	0°50	n.a.	S 23
M24	21 41 31	23°21'22	23°56	17°45	23°40	24° 8	6°31	14°47	28°35	12°58	20°26	2°44	3°57	0°57	n.a.	M24
T 25	21 45 27	24°20'23	7♒34	18°59	24°53	24°44	6°38	14°42	28°36	12°59	20°24	2°38	3°54	1° 4	n.a.	T 25
W26	21 49 24	25°19'25	21°33	20°11	26° 6	25°19	6°45	14°38	28°37	13° 0	20°23	2°32	3°50	1°10	n.a.	W26
T 27	21 53 21	26°18'30	5♓47	21°22	27°20	25°55	6°52	14°33	28°38	13° 0	20°22	2°28	3°47	1°17	n.a.	T 27
F 28	21 57 17	27°17'37	20°13	22°31	28°33	26°30	6°59	14°29	28°39	13° 1	20°21	2°26	3°44	1°24	n.a.	F 28
S 29	22 1 14	28°16'46	4♈43	23°37	29°46	27° 5	7° 5	14°24	28°40	13° 2	20°20	2°D26	3°41	1°30	n.a.	S 29
S 30	22 5 10	29°15'57	19°14	24°42	1♌ 0	27°40	7°11	14°20	28°40	13° 3	20°18	2°26	3°38	1°37	n.a.	S 30
M31	22 9 7	0♍15'11	3♉40	25♍44	2♌13	28♊15	7♊18	14♒15	28♉41	13♏ 4	20♒17	2♈28	3♈35	1♏44	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n15	2s55	0s50	18n 5	1n10	23n 3	0s40	22n34	0n17	20n39	0s27	18s 1	2s 1	19n55	0s 4	14s16	1n43	29s56	16s 9	1n38	2n 5	12s57		n.a.
S 2	20 2	3n54	0n25	17 29	1 4	23 8	0 37	22 40	0 18	20 41	0 27	18 2	2 1	19 56	0 4	14 16	1 43	29 56	16 9	1 37	2 4	13 0		n.a.
M 3	19 48	10 33	1 39	16 53	0 58	23 12	0 34	22 47	0 19	20 43	0 27	18 4	2 1	19 56	0 4	14 16	1 43	29 57	16 9	1 38	2 2	13 3		n.a.
T 4	19 34	16 41	2 47	16 16	0 52	23 16	0 30	22 52	0 20	20 45	0 27	18 5	2 1	19 57	0 4	14 16	1 43	29 57	16 9	1 38	2 1	13 7		n.a.
W 5	19 20	21 54	3 44	15 39	0 46	23 19	0 27	22 58	0 21	20 47	0 27	18 7	2 1	19 57	0 4	14 17	1 43	29 58	16 10	1 37	2 0	13 10		n.a.
T 6	19 6	25 52	4 28	15 1	0 39	23 22	0 24	23 4	0 21	20 48	0 27	18 8	2 1	19 58	0 4	14 17	1 43	29 58	16 10	1 36	1 58	13 13		n.a.
F 7	18 51	28 14	4 55	14 23	0 32	23 24	0 21	23 9	0 22	20 50	0 27	18 10	2 2	19 58	0 4	14 17	1 43	29 59	16 10	1 34	1 57	13 16		n.a.
S 8	18 36	28 50	5 5	13 45	0 26	23 25	0 17	23 14	0 23	20 52	0 27	18 11	2 2	19 59	0 4	14 17	1 43	29 59	16 10	1 31	1 56	13 19		n.a.
S 9	18 21	27 37	4 57	13 6	0 18	23 25	0 14	23 20	0 24	20 54	0 27	18 13	2 2	19 59	0 4	14 17	1 43	30 0	16 10	1 27	1 55	13 22		n.a.
M10	18 5	24 49	4 33	12 27	0 11	23 25	0 11	23 24	0 25	20 56	0 27	18 14	2 2	19 59	0 4	14 17	1 43	30 0	16 10	1 23	1 53	13 26		n.a.
T 11	17 49	20 45	3 54	11 47	0 4	23 24	0 8	23 29	0 26	20 57	0 27	18 16	2 2	20 0	0 4	14 17	1 42	30 1	16 10	1 20	1 52	13 29		n.a.
W12	17 33	15 47	3 4	11 8	0s 4	23 23	0 5	23 34	0 26	20 59	0 27	18 17	2 2	20 0	0 4	14 17	1 42	30 1	16 10	1 17	1 51	13 32		n.a.
T 13	17 16	10 14	2 6	10 29	0 11	23 20	0 2	23 38	0 27	21 0	0 27	18 19	2 2	20 0	0 4	14 18	1 42	30 2	16 10	1 15	1 49	13 35		n.a.
F 14	16 59	4 25	1 3	9 49	0 19	23 17	0n 1	23 42	0 28	21 2	0 27	18 20	2 2	20 1	0 4	14 18	1 42	30 2	16 10	1 14	1 48	13 38		n.a.
S 15	16 42	1s27	0s 2	9 10	0 27	23 14	0 4	23 46	0 29	21 4	0 27	18 22	2 2	20 1	0 4	14 18	1 42	30 3	16 10	1 13	1 47	13 41		n.a.
S 16	16 25	7 11	1 7	8 31	0 35	23 9	0 7	23 50	0 30	21 5	0 27	18 23	2 2	20 1	0 4	14 18	1 42	30 3	16 11	1 14	1 46	13 44		n.a.
M17	16 7	12 37	2 7	7 51	0 42	23 4	0 10	23 54	0 31	21 7	0 27	18 25	2 2	20 2	0 4	14 18	1 42	30 4	16 11	1 14	1 44	13 47		n.a.
T 18	15 49	17 36	3 3	7 12	0 50	22 59	0 13	23 58	0 32	21 8	0 26	18 26	2 2	20 2	0 4	14 19	1 42	30 4	16 11	1 15	1 43	13 51		n.a.
W19	15 31	21 57	3 50	6 33	0 58	22 52	0 16	24 1	0 32	21 10	0 26	18 28	2 3	20 2	0 4	14 19	1 42	30 4	16 11	1 15	1 42	13 54		n.a.
T 20	15 12	25 26	4 28	5 55	1 6	22 45	0 19	24 4	0 33	21 11	0 26	18 29	2 3	20 3	0 4	14 19	1 42	30 5	16 11	1 14	1 41	13 57		n.a.
F 21	14 53	27 50	4 55	5 17	1 14	22 38	0 22	24 7	0 34	21 12	0 26	18 31	2 3	20 3	0 4	14 19	1 42	30 5	16 11	1 13	1 39	14 0		n.a.
S 22	14 34	28 54	5 9	4 39	1 22	22 29	0 25	24 10	0 35	21 14	0 26	18 32	2 3	20 3	0 4	14 20	1 42	30 6	16 11	1 11	1 38	14 3		n.a.
S 23	14 15	28 27	5 7	4 1	1 30	22 20	0 28	24 13	0 36	21 15	0 26	18 33	2 3	20 3	0 4	14 20	1 42	30 6	16 11	1 9	1 37	14 6		n.a.
M24	13 55	26 22	4 49	3 24	1 38	22 10	0 30	24 16	0 37	21 16	0 26	18 35	2 3	20 3	0 4	14 20	1 42	30 7	16 11	1 6	1 35	14 9		n.a.
T 25	13 36	22 44	4 15	2 48	1 46	22 0	0 33	24 18	0 38	21 18	0 26	18 36	2 3	20 4	0 4	14 20	1 42	30 7	16 11	1 4	1 34	14 12		n.a.
W26	13 16	17 44	3 24	2 12	1 54	21 49	0 36	24 20	0 39	21 19	0 26	18 38	2 3	20 4	0 4	14 21	1 42	30 7	16 11	1 1	1 33	14 16		n.a.
T 27	12 55	11 41	2 20	1 37	2 1	21 37	0 38	24 22	0 40	21 20	0 26	18 39	2 3	20 4	0 4	14 21	1 41	30 8	16 11	1 0	1 32	14 19		n.a.
F 28	12 35	4 57	1 6	1 3	2 9	21 25	0 41	24 24	0 41	21 21	0 26	18 40	2 3	20 4	0 4	14 21	1 41	30 8	16 11	0 59	1 30	14 22		n.a.
S 29	12 14	2n 6	0n13	0 29	2 16	21 12	0 43	24 26	0 41	21 22	0 26	18 42	2 3	20 4	0 4	14 22	1 41	30 9	16 11	0 59	1 29	14 25		n.a.
S 30	11 53	9 2	1 31	0s 3	2 23	20 58	0 46	24 28	0 42	21 23	0 26	18 43	2 3	20 5	0 4	14 22	1 41	30 9	16 11	0 59	1 28	14 28		n.a.
M31	11n32	15n27	2n43	0s34	2s30	20n44	0n48	24n29	0n43	21n25	0s26	18s44	2s 3	20n 5	0s 4	14s22	1n41	30s 9	16s11	1n 0	1n26	14s31		n.a.

Julian Day Number = 1481666.5, Delta T = 05h22m12s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'21, Lahiri = -13°01'21 Julian Calendar 1 Aug. 657 BCE == Greg. Calendar 25 July 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

SEPTEMBER 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 13 3	1♍14'28	17♉57	26♍44	3♌27	28♊50	7♊24	14°R11	28♉41	13♏ 5	20°R16	2♈29	3♈31	1♏50	n.a.	T 1
W 2	22 17 0	2°13'47	2♊ 5	27°41	4°41	29°24	7°29	14♒ 6	28°42	13° 6	20♒15	2°R30	3°28	1°57	n.a.	W 2
T 3	22 20 56	3°13'08	16° 0	28°35	5°55	29°59	7°35	14° 2	28°42	13° 7	20°14	2°29	3°25	2° 4	n.a.	T 3
F 4	22 24 53	4°12'32	29°44	29°26	7° 8	0♋33	7°41	13°58	28°43	13° 8	20°12	2°27	3°22	2°10	n.a.	F 4
S 5	22 28 49	5°11'58	13♋14	0♎13	8°22	1° 8	7°46	13°54	28°43	13° 9	20°11	2°24	3°19	2°17	n.a.	S 5
S 6	22 32 46	6°11'27	26°31	0°57	9°36	1°42	7°51	13°50	28°43	13°10	20°10	2°20	3°16	2°24	n.a.	S 6
M 7	22 36 43	7°10'58	9♌35	1°37	10°50	2°16	7°56	13°45	28°44	13°11	20° 9	2°16	3°12	2°30	n.a.	M 7
T 8	22 40 39	8°10'31	22°25	2°11	12° 4	2°50	8° 1	13°41	28°44	13°12	20° 8	2°12	3° 9	2°37	n.a.	T 8
W 9	22 44 36	9°10'07	5♍ 1	2°41	13°19	3°24	8° 6	13°37	28°44	13°14	20° 7	2° 9	3° 6	2°44	n.a.	W 9
T 10	22 48 32	10° 9'44	17°25	3° 5	14°33	3°58	8°10	13°33	28°44	13°15	20° 6	2° 7	3° 3	2°50	n.a.	T 10
F 11	22 52 29	11° 9'24	29°36	3°24	15°47	4°32	8°15	13°30	28°R44	13°16	20° 4	2°D 6	3° 0	2°57	n.a.	F 11
S 12	22 56 25	12° 9'06	11♎37	3°35	17° 1	5° 6	8°19	13°26	28°44	13°17	20° 3	2° 6	2°56	3° 4	n.a.	S 12
S 13	23 0 22	13° 8'49	23°31	3°R40	18°16	5°39	8°23	13°22	28°44	13°19	20° 2	2° 8	2°53	3°10	n.a.	S 13
M14	23 4 18	14° 8'35	5♏20	3°37	19°30	6°13	8°27	13°18	28°44	13°20	20° 1	2° 9	2°50	3°17	n.a.	M14
T 15	23 8 15	15° 8'23	17° 8	3°26	20°44	6°46	8°30	13°15	28°44	13°22	20° 0	2°11	2°47	3°24	n.a.	T 15
W16	23 12 11	16° 8'12	28°59	3° 7	21°59	7°19	8°34	13°11	28°43	13°23	19°59	2°12	2°44	3°30	n.a.	W16
T 17	23 16 8	17° 8'03	10♐59	2°39	23°13	7°52	8°37	13° 8	28°43	13°24	19°58	2°13	2°41	3°37	n.a.	T 17
F 18	23 20 5	18° 7'57	23°11	2° 2	24°28	8°25	8°40	13° 4	28°43	13°26	19°57	2°R13	2°37	3°44	n.a.	F 18
S 19	23 24 1	19° 7'52	5♑41	1°16	25°42	8°58	8°43	13° 1	28°42	13°27	19°56	2°12	2°34	3°50	n.a.	S 19
S 20	23 27 58	20° 7'48	18°32	0°21	26°57	9°30	8°45	12°58	28°42	13°29	19°55	2°11	2°31	3°57	n.a.	S 20
M21	23 31 54	21° 7'47	1♒47	29♍20	28°12	10° 3	8°48	12°54	28°41	13°30	19°54	2° 9	2°28	4° 4	n.a.	M21
T 22	23 35 51	22° 7'47	15°29	28°11	29°26	10°35	8°50	12°51	28°41	13°32	19°53	2° 8	2°25	4°10	n.a.	T 22
W23	23 39 47	23° 7'49	29°36	26°58	0♍41	11° 7	8°52	12°48	28°40	13°33	19°52	2° 7	2°22	4°17	n.a.	W23
T 24	23 43 44	24° 7'53	14♓ 5	25°42	1°56	11°40	8°54	12°45	28°40	13°35	19°51	2° 6	2°18	4°24	n.a.	T 24
F 25	23 47 40	25° 7'59	28°51	24°25	3°11	12°12	8°56	12°43	28°39	13°37	19°50	2°D 6	2°15	4°30	n.a.	F 25
S 26	23 51 37	26° 8'07	13♈47	23° 9	4°26	12°43	8°58	12°40	28°38	13°38	19°49	2° 6	2°12	4°37	n.a.	S 26
S 27	23 55 34	27° 8'17	28°44	21°57	5°41	13°15	8°59	12°37	28°37	13°40	19°48	2° 6	2° 9	4°44	n.a.	S 27
M28	23 59 30	28° 8'29	13♉34	20°52	6°56	13°47	9° 0	12°35	28°36	13°42	19°47	2° 7	2° 6	4°50	n.a.	M28
T 29	0 3 27	29° 8'43	28°12	19°55	8°11	14°18	9° 1	12°32	28°36	13°43	19°46	2° 7	2° 2	4°57	n.a.	T 29
W30	0 7 23	0♎ 8'59	12♊32	19♍ 7	9♍26	14♋49	9♊ 2	12♒30	28♉35	13♏45	19♒45	2♈ 7	1♈59	5♏ 4	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n11	21n 0	3n44	1s 5	2s37	20n29	0n51	24n31	0n44	21n26	0s26	18s46	2s 3	20n 5	0s 4	14s23	1n41	30s10	16s10	1n 0	1n25	14s34		n.a.
W 2	10 50	25 17	4 30	1 34	2 43	20 13	0 53	24 32	0 45	21 27	0 26	18 47	2 3	20 5	0 4	14 23	1 41	30 10	16 10	1 0	1 24	14 37		n.a.
T 3	10 28	28 1	5 1	2 1	2 50	19 57	0 55	24 33	0 46	21 28	0 26	18 48	2 3	20 5	0 4	14 23	1 41	30 10	16 10	1 0	1 23	14 40		n.a.
F 4	10 6	29 0	5 13	2 27	2 55	19 40	0 57	24 34	0 47	21 29	0 26	18 50	2 3	20 5	0 4	14 24	1 41	30 11	16 10	0 59	1 21	14 43		n.a.
S 5	9 44	28 13	5 8	2 51	3 1	19 23	1 0	24 34	0 48	21 29	0 26	18 51	2 3	20 5	0 4	14 24	1 41	30 11	16 10	0 58	1 20	14 46		n.a.
S 6	9 22	25 49	4 46	3 13	3 6	19 5	1 2	24 35	0 49	21 30	0 26	18 52	2 3	20 5	0 4	14 25	1 41	30 11	16 10	0 56	1 19	14 50		n.a.
M 7	9 0	22 7	4 10	3 33	3 10	18 47	1 4	24 36	0 50	21 31	0 26	18 53	2 3	20 5	0 4	14 25	1 41	30 12	16 10	0 55	1 18	14 53		n.a.
T 8	8 37	17 24	3 21	3 50	3 14	18 28	1 6	24 36	0 51	21 32	0 26	18 54	2 3	20 5	0 4	14 25	1 41	30 12	16 10	0 53	1 16	14 56		n.a.
W 9	8 15	12 2	2 24	4 5	3 17	18 8	1 7	24 36	0 52	21 33	0 26	18 56	2 3	20 5	0 4	14 26	1 41	30 12	16 10	0 52	1 15	14 59		n.a.
T 10	7 52	6 16	1 20	4 17	3 19	17 48	1 9	24 36	0 53	21 34	0 25	18 57	2 3	20 6	0 4	14 26	1 41	30 13	16 10	0 51	1 14	15 2		n.a.
F 11	7 29	0 22	0 14	4 26	3 21	17 27	1 11	24 36	0 54	21 34	0 25	18 58	2 3	20 6	0 4	14 27	1 41	30 13	16 10	0 51	1 12	15 5		n.a.
S 12	7 6	5s28	0s52	4 31	3 21	17 6	1 13	24 36	0 55	21 35	0 25	18 59	2 3	20 6	0 4	14 27	1 41	30 13	16 10	0 51	1 11	15 8		n.a.
S 13	6 43	11 3	1 56	4 33	3 21	16 45	1 14	24 35	0 56	21 36	0 25	19 0	2 3	20 6	0 4	14 28	1 40	30 13	16 9	0 51	1 10	15 11		n.a.
M14	6 19	16 12	2 54	4 30	3 19	16 23	1 16	24 35	0 57	21 36	0 25	19 1	2 2	20 5	0 4	14 28	1 40	30 14	16 9	0 52	1 9	15 14		n.a.
T 15	5 56	20 46	3 44	4 22	3 16	16 0	1 17	24 34	0 58	21 37	0 25	19 2	2 2	20 5	0 4	14 29	1 40	30 14	16 9	0 53	1 7	15 17		n.a.
W16	5 33	24 31	4 25	4 10	3 11	15 37	1 19	24 33	0 59	21 38	0 25	19 3	2 2	20 5	0 4	14 29	1 40	30 14	16 9	0 53	1 6	15 20		n.a.
T 17	5 9	27 17	4 55	3 53	3 5	15 14	1 20	24 33	1 0	21 38	0 25	19 4	2 2	20 5	0 4	14 30	1 40	30 14	16 9	0 53	1 5	15 23		n.a.
F 18	4 45	28 48	5 13	3 31	2 57	14 50	1 21	24 32	1 1	21 39	0 25	19 5	2 2	20 5	0 4	14 30	1 40	30 15	16 9	0 53	1 3	15 26		n.a.
S 19	4 22	28 55	5 16	3 3	2 47	14 25	1 23	24 30	1 2	21 39	0 25	19 6	2 2	20 5	0 4	14 30	1 40	30 15	16 8	0 53	1 2	15 29		n.a.
S 20	3 58	27 30	5 4	2 30	2 35	14 1	1 24	24 29	1 3	21 40	0 25	19 7	2 2	20 5	0 4	14 31	1 40	30 15	16 8	0 53	1 1	15 32		n.a.
M21	3 34	24 31	4 36	1 53	2 21	13 35	1 25	24 28	1 5	21 40	0 25	19 7	2 2	20 5	0 4	14 32	1 40	30 15	16 8	0 52	1 0	15 35		n.a.
T 22	3 10	20 5	3 51	1 11	2 5	13 10	1 26	24 26	1 6	21 41	0 25	19 8	2 2	20 5	0 4	14 32	1 40	30 15	16 8	0 52	0 58	15 38		n.a.
W23	2 46	14 26	2 51	0 25	1 48	12 44	1 27	24 25	1 7	21 41	0 25	19 9	2 2	20 5	0 4	14 33	1 40	30 16	16 8	0 51	0 57	15 41		n.a.
T 24	2 22	7 51	1 38	0n23	1 29	12 18	1 28	24 23	1 8	21 41	0 25	19 10	2 2	20 5	0 4	14 33	1 40	30 16	16 8	0 51	0 56	15 44		n.a.
F 25	1 58	0 44	0 18	1 12	1 9	11 51	1 28	24 21	1 9	21 42	0 25	19 10	2 2	20 4	0 4	14 34	1 40	30 16	16 7	0 51	0 54	15 47		n.a.
S 26	1 33	6n30	1n 4	2 1	0 49	11 24	1 29	24 19	1 10	21 42	0 25	19 11	2 2	20 4	0 4	14 34	1 40	30 16	16 7	0 51	0 53	15 50		n.a.
S 27	1 9	13 23	2 23	2 48	0 28	10 57	1 30	24 17	1 11	21 42	0 25	19 12	2 1	20 4	0 4	14 35	1 40	30 16	16 7	0 51	0 52	15 53		n.a.
M28	0 45	19 29	3 31	3 33	0 8	10 29	1 30	24 15	1 12	21 42	0 25	19 13	2 1	20 4	0 4	14 35	1 40	30 16	16 7	0 51	0 51	15 56		n.a.
T 29	0 21	24 19	4 24	4 14	0n12	10 1	1 31	24 13	1 14	21 43	0 25	19 13	2 1	20 4	0 4	14 36	1 40	30 16	16 7	0 51	0 49	15 59		n.a.
W30	0s 4	27n34	4n59	4n50	0n31	9n33	1n31	24n11	1n15	21n43	0s24	19s14	2s 1	20n 4	0s 4	14s36	1n40	30s16	16s 6	0n51	0n48	16s 2		n.a.

Julian Day Number = 1481697.5, Delta T = 05h22m10s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'17, Lahiri = -13°01'16 Julian Calendar 1 Sept. 657 BCE == Greg. Calendar 25 Aug. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

OCTOBER 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 11 20	1♎ 9'18	26♊32	18°R30	10♍41	15♋20	9♊ 2	12°R27	28°R34	13♏47	19°R44	2♈ 7	1♈56	5♏10	n.a.	T 1
F 2	0 15 16	2° 9'39	10♋11	18♍ 5	11°56	15°51	9° 3	12♒25	28♉33	13°49	19♒44	2° 7	1°53	5°17	n.a.	F 2
S 3	0 19 13	3°10'02	23°30	17°51	13°11	16°22	9°R 3	12°23	28°31	13°51	19°43	2° 7	1°50	5°24	n.a.	S 3
S 4	0 23 9	4°10'27	6♌31	17°D49	14°26	16°53	9° 3	12°21	28°30	13°52	19°42	2° 8	1°47	5°30	n.a.	S 4
M 5	0 27 6	5°10'54	19°15	17°58	15°41	17°23	9° 3	12°19	28°29	13°54	19°41	2° 8	1°43	5°37	n.a.	M 5
T 6	0 31 3	6°11'22	1♍46	18°17	16°56	17°54	9° 2	12°17	28°28	13°56	19°40	2° 8	1°40	5°44	n.a.	T 6
W 7	0 34 59	7°11'53	14° 4	18°47	18°12	18°24	9° 2	12°16	28°26	13°58	19°40	2° 9	1°37	5°50	n.a.	W 7
T 8	0 38 56	8°12'26	26°12	19°24	19°27	18°54	9° 1	12°14	28°25	14° 0	19°39	2°R 9	1°34	5°57	n.a.	T 8
F 9	0 42 52	9°13'00	8♎13	20°10	20°42	19°23	9° 0	12°13	28°24	14° 2	19°38	2° 9	1°31	6° 4	n.a.	F 9
S 10	0 46 49	10°13'36	20° 8	21° 3	21°57	19°53	8°58	12°11	28°22	14° 4	19°37	2° 8	1°27	6°10	n.a.	S 10
S 11	0 50 45	11°14'14	1♏58	22° 2	23°13	20°22	8°57	12°10	28°21	14° 6	19°37	2° 8	1°24	6°17	n.a.	S 11
M12	0 54 42	12°14'53	13°46	23° 6	24°28	20°51	8°55	12° 9	28°19	14° 8	19°36	2° 6	1°21	6°24	n.a.	M12
T 13	0 58 38	13°15'34	25°35	24°15	25°43	21°20	8°53	12° 8	28°18	14°10	19°35	2° 5	1°18	6°30	n.a.	T 13
W14	1 2 35	14°16'16	7♐27	25°28	26°59	21°49	8°51	12° 7	28°16	14°12	19°35	2° 3	1°15	6°37	n.a.	W14
T 15	1 6 32	15°16'59	19°27	26°45	28°14	22°18	8°49	12° 6	28°14	14°14	19°34	2° 1	1°12	6°44	n.a.	T 15
F 16	1 10 28	16°17'44	1♑37	28° 4	29°30	22°46	8°47	12° 5	28°13	14°16	19°34	2° 0	1° 8	6°50	n.a.	F 16
S 17	1 14 25	17°18'30	14° 2	29°26	0♎45	23°14	8°44	12° 4	28°11	14°18	19°33	1°D59	1° 5	6°57	n.a.	S 17
S 18	1 18 21	18°19'17	26°46	0♎50	2° 0	23°42	8°41	12° 4	28° 9	14°20	19°32	2° 0	1° 2	7° 4	n.a.	S 18
M19	1 22 18	19°20'06	9♒53	2°15	3°16	24°10	8°38	12° 3	28° 7	14°22	19°32	2° 0	0°59	7°10	n.a.	M19
T 20	1 26 14	20°20'55	23°26	3°42	4°31	24°38	8°35	12° 3	28° 6	14°24	19°31	2° 2	0°56	7°17	n.a.	T 20
W21	1 30 11	21°21'45	7♓27	5°11	5°47	25° 5	8°32	12° 3	28° 4	14°26	19°31	2° 3	0°53	7°24	n.a.	W21
T 22	1 34 7	22°22'37	21°55	6°40	7° 2	25°32	8°28	12° 3	28° 2	14°28	19°30	2° 4	0°49	7°30	n.a.	T 22
F 23	1 38 4	23°23'29	6♈45	8°10	8°18	25°59	8°24	12°D 3	28° 0	14°31	19°30	2°R 4	0°46	7°37	n.a.	F 23
S 24	1 42 1	24°24'23	21°53	9°41	9°33	26°25	8°20	12° 3	27°58	14°33	19°30	2° 3	0°43	7°44	n.a.	S 24
S 25	1 45 57	25°25'18	7♉ 8	11°12	10°49	26°52	8°16	12° 3	27°56	14°35	19°29	2° 1	0°40	7°50	n.a.	S 25
M26	1 49 54	26°26'15	22°20	12°44	12° 4	27°18	8°12	12° 3	27°54	14°37	19°29	1°58	0°37	7°57	n.a.	M26
T 27	1 53 50	27°27'12	7♊20	14°16	13°20	27°44	8° 7	12° 4	27°52	14°39	19°29	1°54	0°33	8° 4	n.a.	T 27
W28	1 57 47	28°28'12	22° 0	15°49	14°35	28° 9	8° 3	12° 4	27°50	14°41	19°28	1°51	0°30	8°10	n.a.	W28
T 29	2 1 43	29°29'12	6♋14	17°22	15°51	28°35	7°58	12° 5	27°47	14°44	19°28	1°48	0°27	8°17	n.a.	T 29
F 30	2 5 40	0♏30'14	20° 0	18°55	17° 6	29° 0	7°53	12° 6	27°45	14°46	19°28	1°46	0°24	8°24	n.a.	F 30
S 31	2 9 36	1♏31'17	3♌20	20♎28	18♎22	29♋24	7♊47	12♒ 7	27♉43	14♏48	19♒27	1°D46	0♈21	8♏30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s28	29n 0	5n16	5n21	0n49	9n 4	1n31	24n 8	1n16	21n43	0s24	19s14	2s 1	20n 3	0s 4	14s37	1n40	30s16	16s 6	0n51	0n47	16s 5			n.a.
F 2	0 52	28 36	5 15	5 46	1 5	8 36	1 32	24 6	1 17	21 43	0 24	19 15	2 1	20 3	0 4	14 38	1 40	30 17	16 6	0 51	0 46	16 8			n.a.
S 3	1 17	26 33	4 56	6 4	1 19	8 7	1 32	24 3	1 18	21 43	0 24	19 15	2 1	20 3	0 4	14 38	1 40	30 17	16 6	0 51	0 44	16 11			n.a.
S 4	1 41	23 8	4 22	6 17	1 31	7 37	1 32	24 0	1 19	21 43	0 24	19 16	2 1	20 3	0 4	14 39	1 39	30 17	16 5	0 51	0 43	16 14			n.a.
M 5	2 5	18 41	3 36	6 23	1 42	7 8	1 32	23 58	1 21	21 43	0 24	19 16	2 1	20 2	0 4	14 39	1 39	30 17	16 5	0 52	0 42	16 17			n.a.
T 6	2 29	13 30	2 41	6 24	1 52	6 38	1 32	23 55	1 22	21 43	0 24	19 17	2 0	20 2	0 4	14 40	1 39	30 17	16 5	0 52	0 40	16 20			n.a.
W 7	2 54	7 52	1 39	6 19	1 59	6 8	1 32	23 52	1 23	21 43	0 24	19 17	2 0	20 2	0 4	14 41	1 39	30 17	16 5	0 52	0 39	16 23			n.a.
T 8	3 18	2 2	0 33	6 10	2 5	5 38	1 32	23 49	1 24	21 43	0 24	19 17	2 0	20 1	0 4	14 41	1 39	30 17	16 4	0 52	0 38	16 26			n.a.
F 9	3 42	3s49	0s34	5 56	2 10	5 8	1 32	23 46	1 26	21 43	0 24	19 18	2 0	20 1	0 4	14 42	1 39	30 17	16 4	0 52	0 37	16 29			n.a.
S 10	4 6	9 29	1 38	5 38	2 13	4 38	1 31	23 43	1 27	21 43	0 24	19 18	2 0	20 1	0 4	14 42	1 39	30 17	16 4	0 52	0 35	16 32			n.a.
S 11	4 30	14 47	2 38	5 16	2 15	4 7	1 31	23 40	1 28	21 43	0 24	19 18	2 0	20 1	0 4	14 43	1 39	30 17	16 4	0 51	0 34	16 35			n.a.
M12	4 54	19 32	3 31	4 51	2 16	3 37	1 31	23 36	1 29	21 43	0 24	19 18	2 0	20 0	0 4	14 44	1 39	30 17	16 3	0 51	0 33	16 38			n.a.
T 13	5 18	23 33	4 15	4 23	2 16	3 6	1 30	23 33	1 31	21 42	0 24	19 19	2 0	20 0	0 4	14 44	1 39	30 17	16 3	0 50	0 31	16 41			n.a.
W14	5 42	26 35	4 48	3 53	2 15	2 35	1 30	23 30	1 32	21 42	0 24	19 19	1 59	19 59	0 4	14 45	1 39	30 17	16 3	0 49	0 30	16 44			n.a.
T 15	6 6	28 29	5 9	3 21	2 14	2 4	1 29	23 26	1 33	21 42	0 23	19 19	1 59	19 59	0 4	14 46	1 39	30 17	16 2	0 49	0 29	16 46			n.a.
F 16	6 30	29 2	5 16	2 47	2 11	1 33	1 28	23 23	1 35	21 41	0 23	19 19	1 59	19 59	0 4	14 46	1 39	30 16	16 2	0 48	0 28	16 49			n.a.
S 17	6 53	28 9	5 9	2 11	2 8	1 2	1 28	23 19	1 36	21 41	0 23	19 19	1 59	19 58	0 4	14 47	1 39	30 16	16 2	0 48	0 26	16 52			n.a.
S 18	7 17	25 48	4 47	1 34	2 5	0 31	1 27	23 16	1 37	21 41	0 23	19 19	1 59	19 58	0 4	14 47	1 39	30 16	16 2	0 48	0 25	16 55			n.a.
M19	7 40	22 2	4 10	0 56	2 1	0s 0	1 26	23 12	1 39	21 40	0 23	19 19	1 59	19 58	0 4	14 48	1 39	30 16	16 1	0 49	0 24	16 58			n.a.
T 20	8 4	17 0	3 18	0 17	1 56	0 32	1 25	23 8	1 40	21 40	0 23	19 19	1 59	19 57	0 4	14 49	1 39	30 16	16 1	0 49	0 22	17 1			n.a.
W21	8 27	10 56	2 12	0s23	1 51	1 3	1 24	23 5	1 41	21 39	0 23	19 19	1 59	19 57	0 4	14 49	1 39	30 16	16 1	0 50	0 21	17 4			n.a.
T 22	8 50	4 6	0 56	1 4	1 46	1 34	1 23	23 1	1 43	21 39	0 23	19 19	1 58	19 56	0 4	14 50	1 39	30 16	16 0	0 50	0 20	17 7			n.a.
F 23	9 13	3n 7	0n26	1 45	1 41	2 5	1 22	22 57	1 44	21 38	0 23	19 19	1 58	19 56	0 4	14 51	1 39	30 16	16 0	0 50	0 19	17 10			n.a.
S 24	9 35	10 17	1 47	2 26	1 35	2 36	1 21	22 54	1 46	21 38	0 23	19 18	1 58	19 55	0 4	14 51	1 39	30 16	16 0	0 50	0 17	17 13			n.a.
S 25	9 58	16 56	3 1	3 8	1 29	3 7	1 19	22 50	1 47	21 37	0 23	19 18	1 58	19 55	0 4	14 52	1 39	30 15	15 59	0 49	0 16	17 16			n.a.
M26	10 20	22 30	4 2	3 50	1 23	3 39	1 18	22 46	1 49	21 37	0 23	19 18	1 58	19 54	0 4	14 53	1 39	30 15	15 59	0 48	0 15	17 18			n.a.
T 27	10 43	26 32	4 46	4 32	1 17	4 10	1 17	22 42	1 50	21 36	0 22	19 18	1 58	19 54	0 4	14 53	1 39	30 15	15 59	0 46	0 13	17 21			n.a.
W28	11 5	28 41	5 9	5 14	1 10	4 40	1 15	22 39	1 52	21 35	0 22	19 17	1 57	19 54	0 4	14 54	1 39	30 15	15 58	0 45	0 12	17 24			n.a.
T 29	11 27	28 50	5 13	5 56	1 4	5 11	1 14	22 35	1 53	21 35	0 22	19 17	1 57	19 53	0 4	14 55	1 39	30 15	15 58	0 44	0 11	17 27			n.a.
F 30	11 49	27 11	4 58	6 38	0 57	5 42	1 12	22 31	1 55	21 34	0 22	19 17	1 57	19 53	0 4	14 55	1 39	30 14	15 58	0 43	0 10	17 30			n.a.
S 31	12s10	24n 1	4n28	7s19	0n51	6s13	1n11	22n27	1n56	21n33	0s22	19s16	1s57	19n52	0s 4	14s56	1n39	30s14	15s57	0n43	0n 8	17s33			n.a.

Julian Day Number = 1481727.5, Delta T = 05h22m09s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'13, Lahiri = -13°01'12 Julian Calendar 1 Oct. 657 BCE == Greg. Calendar 24 Sept. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

NOVEMBER 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 13 33	2♏32'22	16♌15	22♎ 1	19♎38	29♋49	7°R42	12♒ 8	27°R41	14♏50	19°R27	1♈46	0♈18	8♏37	n.a.	S 1
M 2	2 17 30	3°33'27	28°50	23°34	20°53	0♌13	7♊37	12° 9	27♉38	14°52	19♒27	1°48	0°14	8°44	n.a.	M 2
T 3	2 21 26	4°34'34	11♍ 9	25° 8	22° 9	0°37	7°31	12°10	27°36	14°55	19°27	1°50	0°11	8°50	n.a.	T 3
W 4	2 25 23	5°35'42	23°15	26°41	23°24	1° 1	7°25	12°11	27°34	14°57	19°27	1°51	0° 8	8°57	n.a.	W 4
T 5	2 29 19	6°36'51	5♎12	28°14	24°40	1°24	7°19	12°13	27°31	14°59	19°26	1°R52	0° 5	9° 4	n.a.	T 5
F 6	2 33 16	7°38'01	17° 4	29°48	25°55	1°47	7°13	12°14	27°29	15° 1	19°26	1°50	0° 2	9°10	n.a.	F 6
S 7	2 37 12	8°39'11	28°54	1♏22	27°11	2°10	7° 7	12°16	27°27	15° 4	19°26	1°47	29♓59	9°17	n.a.	S 7
S 8	2 41 9	9°40'23	10♏43	2°55	28°27	2°32	7° 0	12°18	27°24	15° 6	19°26	1°42	29°55	9°24	n.a.	S 8
M 9	2 45 5	10°41'35	22°33	4°29	29°42	2°54	6°54	12°19	27°22	15° 8	19°26	1°35	29°52	9°31	n.a.	M 9
T 10	2 49 2	11°42'48	4♐26	6° 3	0♏58	3°16	6°47	12°21	27°19	15°10	19°D26	1°27	29°49	9°37	n.a.	T 10
W11	2 52 59	12°44'02	16°23	7°37	2°14	3°37	6°40	12°23	27°17	15°13	19°26	1°19	29°46	9°44	n.a.	W11
T 12	2 56 55	13°45'16	28°28	9°11	3°29	3°58	6°33	12°26	27°15	15°15	19°26	1°11	29°43	9°51	n.a.	T 12
F 13	3 0 52	14°46'30	10♑41	10°45	4°45	4°18	6°26	12°28	27°12	15°17	19°26	1° 4	29°39	9°57	n.a.	F 13
S 14	3 4 48	15°47'45	23° 7	12°19	6° 0	4°39	6°19	12°30	27°10	15°20	19°26	1° 0	29°36	10° 4	n.a.	S 14
S 15	3 8 45	16°48'59	5♒47	13°54	7°16	4°58	6°12	12°33	27° 7	15°22	19°26	0°57	29°33	10°11	n.a.	S 15
M16	3 12 41	17°50'14	18°47	15°28	8°31	5°18	6° 5	12°35	27° 4	15°24	19°27	0°D56	29°30	10°17	n.a.	M16
T 17	3 16 38	18°51'29	2♓ 8	17° 3	9°47	5°37	5°57	12°38	27° 2	15°26	19°27	0°57	29°27	10°24	n.a.	T 17
W18	3 20 35	19°52'44	15°55	18°38	11° 3	5°55	5°50	12°41	26°59	15°29	19°27	0°58	29°24	10°31	n.a.	W18
T 19	3 24 31	20°53'59	0♈ 8	20°13	12°18	6°14	5°42	12°44	26°57	15°31	19°27	0°R59	29°20	10°37	n.a.	T 19
F 20	3 28 28	21°55'14	14°46	21°48	13°34	6°31	5°35	12°47	26°54	15°33	19°27	0°58	29°17	10°44	n.a.	F 20
S 21	3 32 24	22°56'29	29°46	23°24	14°49	6°49	5°27	12°50	26°52	15°35	19°28	0°55	29°14	10°51	n.a.	S 21
S 22	3 36 21	23°57'44	15♉ 0	24°59	16° 5	7° 6	5°19	12°53	26°49	15°38	19°28	0°50	29°11	10°57	n.a.	S 22
M23	3 40 17	24°58'59	0♊17	26°35	17°20	7°22	5°11	12°56	26°47	15°40	19°28	0°42	29° 8	11° 4	n.a.	M23
T 24	3 44 14	26° 0'15	15°28	28°12	18°36	7°38	5° 3	12°59	26°44	15°42	19°29	0°33	29° 5	11°11	n.a.	T 24
W25	3 48 10	27° 1'30	0♋22	29°48	19°51	7°53	4°55	13° 3	26°41	15°44	19°29	0°24	29° 1	11°17	n.a.	W25
T 26	3 52 7	28° 2'46	14°50	1♐25	21° 7	8° 8	4°47	13° 6	26°39	15°47	19°29	0°16	28°58	11°24	n.a.	T 26
F 27	3 56 4	29° 4'02	28°49	3° 2	22°23	8°23	4°39	13°10	26°36	15°49	19°30	0°10	28°55	11°31	n.a.	F 27
S 28	4 0 0	0♐ 5'18	12♌17	4°40	23°38	8°37	4°31	13°14	26°34	15°51	19°30	0° 6	28°52	11°37	n.a.	S 28
S 29	4 3 57	1° 6'35	25°17	6°18	24°54	8°51	4°23	13°18	26°31	15°53	19°31	0° 4	28°49	11°44	n.a.	S 29
M30	4 7 53	2♐ 7'51	7♍53	7♐56	26♏ 9	9♌ 4	4♊15	13♒22	26♉28	15♏55	19♒31	0°D 4	28♓45	11♏51	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s31	19n45	3n44	8s 1	0n44	6s43	1n 9	22n24	1n58	21n32	0s22	19s16	1s57	19n52	0s 4	14s57	1n39	30s14	15s57	0n43	0n 7	17s36		n.a.
M 2	12 53	14 42	2 51	8 42	0 37	7 13	1 7	22 20	1 59	21 32	0 22	19 16	1 57	19 51	0 4	14 57	1 39	30 14	15 57	0 44	0 6	17 38		n.a.
T 3	13 14	9 12	1 51	9 23	0 30	7 44	1 6	22 16	2 1	21 31	0 22	19 15	1 57	19 51	0 4	14 58	1 39	30 13	15 56	0 44	0 5	17 41		n.a.
W 4	13 34	3 26	0 47	10 4	0 23	8 14	1 4	22 12	2 3	21 30	0 22	19 15	1 56	19 50	0 4	14 59	1 39	30 13	15 56	0 45	0 3	17 44		n.a.
T 5	13 55	2s23	0s18	10 44	0 17	8 43	1 2	22 9	2 4	21 29	0 22	19 14	1 56	19 49	0 4	14 59	1 39	30 13	15 56	0 45	0 2	17 47		n.a.
F 6	14 15	8 4	1 22	11 24	0 10	9 13	1 0	22 5	2 6	21 28	0 21	19 13	1 56	19 49	0 4	15 0	1 39	30 13	15 55	0 44	0 1	17 50		n.a.
S 7	14 35	13 26	2 22	12 4	0 3	9 42	0 58	22 1	2 7	21 27	0 21	19 13	1 56	19 48	0 4	15 1	1 39	30 12	15 55	0 43	0s 1	17 53		n.a.
S 8	14 55	18 20	3 16	12 43	0s 3	10 12	0 57	21 58	2 9	21 26	0 21	19 12	1 56	19 48	0 4	15 1	1 39	30 12	15 55	0 41	0 2	17 56		n.a.
M 9	15 14	22 32	4 1	13 21	0 10	10 40	0 55	21 54	2 11	21 25	0 21	19 11	1 56	19 47	0 4	15 2	1 39	30 12	15 54	0 38	0 3	17 58		n.a.
T 10	15 34	25 50	4 35	13 59	0 17	11 9	0 53	21 51	2 13	21 24	0 21	19 11	1 56	19 47	0 4	15 3	1 39	30 11	15 54	0 35	0 4	18 1		n.a.
W11	15 53	28 1	4 58	14 36	0 23	11 38	0 51	21 47	2 14	21 23	0 21	19 10	1 55	19 46	0 4	15 4	1 38	30 11	15 54	0 32	0 6	18 4		n.a.
T 12	16 11	28 54	5 8	15 13	0 29	12 6	0 48	21 44	2 16	21 22	0 21	19 9	1 55	19 46	0 4	15 4	1 38	30 11	15 53	0 29	0 7	18 7		n.a.
F 13	16 30	28 24	5 4	15 49	0 36	12 33	0 46	21 41	2 18	21 21	0 21	19 8	1 55	19 45	0 4	15 5	1 38	30 10	15 53	0 26	0 8	18 10		n.a.
S 14	16 48	26 28	4 46	16 25	0 42	13 1	0 44	21 38	2 20	21 20	0 20	19 8	1 55	19 44	0 4	15 6	1 38	30 10	15 53	0 24	0 10	18 12		n.a.
S 15	17 6	23 11	4 14	17 0	0 48	13 28	0 42	21 34	2 21	21 19	0 20	19 7	1 55	19 44	0 4	15 6	1 38	30 10	15 52	0 23	0 11	18 15		n.a.
M16	17 23	18 41	3 28	17 34	0 54	13 55	0 40	21 31	2 23	21 18	0 20	19 6	1 55	19 43	0 4	15 7	1 38	30 9	15 52	0 23	0 12	18 18		n.a.
T 17	17 41	13 11	2 29	18 7	1 0	14 21	0 38	21 28	2 25	21 16	0 20	19 5	1 55	19 43	0 4	15 8	1 38	30 9	15 52	0 23	0 13	18 21		n.a.
W18	17 57	6 52	1 20	18 39	1 5	14 47	0 36	21 25	2 27	21 15	0 20	19 4	1 54	19 42	0 4	15 8	1 38	30 9	15 51	0 23	0 15	18 24		n.a.
T 19	18 14	0 1	0 5	19 11	1 11	15 13	0 33	21 23	2 29	21 14	0 20	19 3	1 54	19 42	0 4	15 9	1 38	30 8	15 51	0 24	0 16	18 26		n.a.
F 20	18 30	7n 2	1n14	19 42	1 16	15 38	0 31	21 20	2 31	21 13	0 20	19 2	1 54	19 41	0 4	15 10	1 38	30 8	15 51	0 23	0 17	18 29		n.a.
S 21	18 46	13 51	2 28	20 11	1 21	16 3	0 29	21 17	2 33	21 12	0 20	19 1	1 54	19 40	0 4	15 10	1 38	30 7	15 50	0 22	0 19	18 32		n.a.
S 22	19 2	19 57	3 34	20 40	1 26	16 28	0 26	21 15	2 34	21 10	0 19	19 0	1 54	19 40	0 4	15 11	1 38	30 7	15 50	0 20	0 20	18 35		n.a.
M23	19 17	24 47	4 24	21 8	1 31	16 52	0 24	21 12	2 36	21 9	0 19	18 59	1 54	19 39	0 4	15 11	1 38	30 7	15 50	0 17	0 21	18 37		n.a.
T 24	19 32	27 51	4 55	21 35	1 35	17 15	0 22	21 10	2 38	21 8	0 19	18 58	1 54	19 39	0 4	15 12	1 38	30 6	15 49	0 13	0 22	18 40		n.a.
W25	19 46	28 52	5 5	22 1	1 39	17 38	0 19	21 8	2 40	21 6	0 19	18 57	1 53	19 38	0 4	15 13	1 38	30 6	15 49	0 10	0 24	18 43		n.a.
T 26	20 0	27 50	4 56	22 25	1 43	18 1	0 17	21 6	2 42	21 5	0 19	18 56	1 53	19 37	0 3	15 13	1 38	30 5	15 49	0 7	0 25	18 46		n.a.
F 27	20 14	25 3	4 28	22 49	1 47	18 23	0 15	21 4	2 44	21 4	0 19	18 54	1 53	19 37	0 3	15 14	1 38	30 5	15 48	0 4	0 26	18 48		n.a.
S 28	20 27	20 58	3 47	23 11	1 50	18 45	0 12	21 2	2 47	21 2	0 19	18 53	1 53	19 36	0 3	15 15	1 38	30 4	15 48	0 2	0 27	18 51		n.a.
S 29	20 40	16 1	2 55	23 32	1 54	19 6	0 10	21 0	2 49	21 1	0 18	18 52	1 53	19 36	0 3	15 15	1 38	30 4	15 48	0 2	0 29	18 54		n.a.
M30	20s53	10n31	1n56	23s51	1s56	19s26	0n 8	20n59	2n51	21n 0	0s18	18s51	1s53	19n35	0s 3	15s16	1n38	30s 3	15s47	0n 2	0s30	18s57		n.a.

Julian Day Number = 1481758.5, Delta T = 05h22m07s
Ecliptic obliquity = 23°46'37, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'09, Lahiri = -13°01'08 Julian Calendar 1 Nov. 657 BCE == Greg. Calendar 25 Oct. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 657 BCE
geocentric

DECEMBER 657 BCE (-656) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 11 50	3♐ 9'07	20♍ 9	9♐34	27♏25	9♌16	4°R 7	13♒26	26°R26	15♏58	19♒32	0♈ 5	28♓42	11♏58	n.a.	T 1
W 2	4 15 46	4°10'24	2♎11	11°13	28°40	9°28	3♊59	13°30	26♉23	16° 0	19°32	0°R 5	28°39	12° 4	n.a.	W 2
T 3	4 19 43	5°11'40	14° 3	12°52	29°56	9°39	3°51	13°34	26°21	16° 2	19°33	0° 4	28°36	12°11	n.a.	T 3
F 4	4 23 39	6°12'57	25°51	14°31	1♐11	9°50	3°43	13°38	26°18	16° 4	19°33	0° 1	28°33	12°18	n.a.	F 4
S 5	4 27 36	7°14'13	7♏39	16°11	2°27	10° 0	3°34	13°43	26°16	16° 6	19°34	29♓55	28°30	12°24	n.a.	S 5
S 6	4 31 33	8°15'29	19°28	17°50	3°42	10°10	3°26	13°47	26°13	16° 8	19°34	29°45	28°26	12°31	n.a.	S 6
M 7	4 35 29	9°16'45	1♐23	19°30	4°57	10°19	3°18	13°52	26°11	16°11	19°35	29°34	28°23	12°38	n.a.	M 7
T 8	4 39 26	10°18'00	13°23	21° 9	6°13	10°27	3°10	13°56	26° 8	16°13	19°36	29°20	28°20	12°44	n.a.	T 8
W 9	4 43 22	11°19'15	25°31	22°49	7°28	10°35	3° 2	14° 1	26° 6	16°15	19°36	29° 6	28°17	12°51	n.a.	W 9
T 10	4 47 19	12°20'29	7♑47	24°29	8°44	10°42	2°54	14° 6	26° 3	16°17	19°37	28°53	28°14	12°58	n.a.	T 10
F 11	4 51 15	13°21'43	20°12	26° 8	9°59	10°48	2°46	14°11	26° 1	16°19	19°38	28°41	28°11	13° 4	n.a.	F 11
S 12	4 55 12	14°22'56	2♒47	27°47	11°15	10°54	2°39	14°16	25°58	16°21	19°39	28°32	28° 7	13°11	n.a.	S 12
S 13	4 59 9	15°24'07	15°34	29°25	12°30	10°59	2°31	14°21	25°56	16°23	19°39	28°26	28° 4	13°18	n.a.	S 13
M14	5 3 5	16°25'18	28°34	1♑ 2	13°45	11° 3	2°23	14°26	25°54	16°25	19°40	28°22	28° 1	13°24	n.a.	M14
T 15	5 7 2	17°26'28	11♓52	2°38	15° 1	11° 7	2°16	14°31	25°51	16°27	19°41	28°21	27°58	13°31	n.a.	T 15
W16	5 10 58	18°27'37	25°28	4°13	16°16	11°10	2° 8	14°36	25°49	16°29	19°42	28°21	27°55	13°38	n.a.	W16
T 17	5 14 55	19°28'44	9♈26	5°46	17°32	11°12	2° 1	14°41	25°47	16°31	19°43	28°21	27°51	13°44	n.a.	T 17
F 18	5 18 51	20°29'51	23°45	7°16	18°47	11°14	1°53	14°47	25°44	16°33	19°43	28°19	27°48	13°51	n.a.	F 18
S 19	5 22 48	21°30'56	8♉24	8°44	20° 2	11°15	1°46	14°52	25°42	16°35	19°44	28°15	27°45	13°58	n.a.	S 19
S 20	5 26 44	22°32'00	23°19	10° 9	21°18	11°R15	1°39	14°58	25°40	16°37	19°45	28° 7	27°42	14° 5	n.a.	S 20
M21	5 30 41	23°33'03	8♊22	11°30	22°33	11°14	1°32	15° 3	25°38	16°39	19°46	27°57	27°39	14°11	n.a.	M21
T 22	5 34 38	24°34'06	23°24	12°47	23°48	11°13	1°25	15° 9	25°36	16°41	19°47	27°46	27°36	14°18	n.a.	T 22
W23	5 38 34	25°35'07	8♋14	13°59	25° 3	11°11	1°18	15°15	25°33	16°43	19°48	27°34	27°32	14°25	n.a.	W23
T 24	5 42 31	26°36'07	22°44	15° 4	26°19	11° 8	1°11	15°21	25°31	16°45	19°49	27°22	27°29	14°31	n.a.	T 24
F 25	5 46 27	27°37'06	6♌48	16° 3	27°34	11° 4	1° 5	15°27	25°29	16°46	19°50	27°13	27°26	14°38	n.a.	F 25
S 26	5 50 24	28°38'04	20°24	16°55	28°49	11° 0	0°58	15°32	25°27	16°48	19°51	27° 7	27°23	14°45	n.a.	S 26
S 27	5 54 20	29°39'01	3♍30	17°38	0♑ 4	10°54	0°52	15°38	25°25	16°50	19°52	27° 3	27°20	14°51	n.a.	S 27
M28	5 58 17	0♑39'57	16°11	18°12	1°20	10°48	0°46	15°44	25°23	16°52	19°53	27° 1	27°17	14°58	n.a.	M28
T 29	6 2 14	1°40'52	28°31	18°36	2°35	10°41	0°40	15°51	25°21	16°53	19°54	27° 1	27°13	15° 5	n.a.	T 29
W30	6 6 10	2°41'46	10♎35	18°49	3°50	10°34	0°34	15°57	25°19	16°55	19°55	27° 1	27°10	15°11	n.a.	W30
T 31	6 10 7	3♑42'39	22♎28	18°R52	5♑ 5	10♌25	0♊28	16♒ 3	25♉17	16♏57	19♒57	27♓ 0	27♓ 7	15♏18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s 5	4n46	0n53	24s 9	1s59	19s46	0n 5	20n58	2n53	20n58	0s18	18s49	1s53	19n34	0s 3	15s17	1n39	30s 3	15s47	0n 2	0s31	18s59			n.a.
W 2	21 17	1s 3	0s11	24 26	2 1	20 6	0 3	20 56	2 55	20 57	0 18	18 48	1 53	19 34	0 3	15 17	1 39	30 2	15 47	0 2	0 33	19 2			n.a.
T 3	21 28	6 45	1 14	24 41	2 3	20 25	0 0	20 55	2 57	20 55	0 18	18 47	1 52	19 33	0 3	15 18	1 39	30 2	15 46	0 2	0 34	19 5			n.a.
F 4	21 39	12 11	2 13	24 55	2 4	20 43	0s 2	20 54	2 59	20 54	0 18	18 45	1 52	19 33	0 3	15 18	1 39	30 1	15 46	0 0	0 35	19 8			n.a.
S 5	21 49	17 11	3 6	25 7	2 5	21 1	0 4	20 54	3 1	20 53	0 17	18 44	1 52	19 32	0 3	15 19	1 39	30 1	15 46	0s 2	0 36	19 10			n.a.
S 6	22 0	21 32	3 51	25 18	2 5	21 18	0 7	20 53	3 4	20 51	0 17	18 42	1 52	19 31	0 3	15 20	1 39	30 0	15 45	0 6	0 38	19 13			n.a.
M 7	22 9	25 3	4 26	25 26	2 5	21 34	0 9	20 53	3 6	20 50	0 17	18 41	1 52	19 31	0 3	15 20	1 39	30 0	15 45	0 11	0 39	19 16			n.a.
T 8	22 18	27 31	4 49	25 33	2 5	21 50	0 12	20 53	3 8	20 48	0 17	18 40	1 52	19 30	0 3	15 21	1 39	29 59	15 45	0 16	0 40	19 18			n.a.
W 9	22 27	28 42	5 0	25 38	2 4	22 6	0 14	20 53	3 10	20 47	0 17	18 38	1 52	19 30	0 3	15 21	1 39	29 59	15 44	0 22	0 42	19 21			n.a.
T 10	22 36	28 29	4 57	25 42	2 2	22 20	0 16	20 53	3 13	20 46	0 17	18 37	1 52	19 29	0 3	15 22	1 39	29 58	15 44	0 27	0 43	19 24			n.a.
F 11	22 43	26 51	4 40	25 43	2 0	22 34	0 19	20 53	3 15	20 44	0 17	18 35	1 51	19 29	0 3	15 23	1 39	29 58	15 44	0 32	0 44	19 26			n.a.
S 12	22 51	23 51	4 9	25 43	1 57	22 47	0 21	20 54	3 17	20 43	0 16	18 33	1 51	19 28	0 3	15 23	1 39	29 57	15 43	0 36	0 45	19 29			n.a.
S 13	22 58	19 40	3 26	25 40	1 54	23 0	0 23	20 55	3 19	20 42	0 16	18 32	1 51	19 27	0 3	15 24	1 39	29 57	15 43	0 38	0 47	19 32			n.a.
M14	23 4	14 29	2 31	25 36	1 49	23 12	0 25	20 56	3 22	20 40	0 16	18 30	1 51	19 27	0 3	15 24	1 39	29 56	15 43	0 39	0 48	19 34			n.a.
T 15	23 10	8 32	1 26	25 29	1 44	23 23	0 28	20 57	3 24	20 39	0 16	18 29	1 51	19 26	0 3	15 25	1 39	29 56	15 42	0 40	0 49	19 37			n.a.
W16	23 16	2 3	0 15	25 21	1 39	23 33	0 30	20 58	3 26	20 37	0 16	18 27	1 51	19 26	0 3	15 26	1 39	29 55	15 42	0 40	0 51	19 40			n.a.
T 17	23 21	4n41	0n58	25 11	1 32	23 43	0 32	21 0	3 29	20 36	0 16	18 25	1 51	19 25	0 3	15 26	1 39	29 54	15 42	0 40	0 52	19 42			n.a.
F 18	23 26	11 21	2 10	24 59	1 24	23 52	0 34	21 2	3 31	20 35	0 15	18 23	1 51	19 25	0 3	15 27	1 39	29 54	15 42	0 41	0 53	19 45			n.a.
S 19	23 30	17 34	3 15	24 45	1 16	24 0	0 36	21 4	3 33	20 34	0 15	18 22	1 51	19 24	0 3	15 27	1 39	29 53	15 41	0 42	0 54	19 48			n.a.
S 20	23 34	22 51	4 7	24 29	1 7	24 8	0 39	21 6	3 36	20 32	0 15	18 20	1 51	19 24	0 3	15 28	1 39	29 53	15 41	0 45	0 56	19 50			n.a.
M21	23 37	26 40	4 43	24 12	0 56	24 14	0 41	21 8	3 38	20 31	0 15	18 18	1 50	19 23	0 3	15 28	1 39	29 52	15 41	0 49	0 57	19 53			n.a.
T 22	23 40	28 35	4 59	23 54	0 45	24 20	0 43	21 11	3 40	20 30	0 15	18 16	1 50	19 23	0 3	15 29	1 39	29 52	15 40	0 54	0 58	19 56			n.a.
W23	23 42	28 25	4 55	23 34	0 33	24 26	0 45	21 14	3 43	20 28	0 14	18 15	1 50	19 22	0 3	15 29	1 39	29 51	15 40	0 59	0 59	19 58			n.a.
T 24	23 44	26 17	4 32	23 14	0 19	24 30	0 47	21 17	3 45	20 27	0 14	18 13	1 50	19 22	0 3	15 30	1 39	29 50	15 40	1 4	1 1	20 1			n.a.
F 25	23 45	22 34	3 52	22 53	0 5	24 34	0 49	21 20	3 48	20 26	0 14	18 11	1 50	19 21	0 3	15 30	1 39	29 50	15 40	1 7	1 2	20 3			n.a.
S 26	23 46	17 44	3 1	22 31	0n10	24 37	0 51	21 24	3 50	20 25	0 14	18 9	1 50	19 21	0 3	15 31	1 39	29 49	15 39	1 10	1 3	20 6			n.a.
S 27	23 47	12 14	2 1	22 10	0 26	24 39	0 52	21 27	3 52	20 24	0 14	18 7	1 50	19 20	0 3	15 31	1 39	29 49	15 39	1 11	1 5	20 9			n.a.
M28	23 46	6 24	0 57	21 49	0 43	24 41	0 54	21 31	3 54	20 23	0 14	18 5	1 50	19 20	0 3	15 32	1 39	29 48	15 39	1 12	1 6	20 11			n.a.
T 29	23 46	0 29	0s 8	21 28	1 0	24 41	0 56	21 35	3 57	20 21	0 13	18 3	1 50	19 19	0 3	15 32	1 39	29 47	15 39	1 12	1 7	20 14			n.a.
W30	23 45	5s20	1 11	21 9	1 18	24 41	0 58	21 40	3 59	20 20	0 13	18 1	1 50	19 19	0 3	15 33	1 39	29 47	15 38	1 12	1 8	20 16			n.a.
T 31	23s43	10s53	2s10	20s51	1n36	24s40	1s 0	21n44	4n 1	20n19	0s13	17s59	1s50	19n18	0s 3	15s33	1n39	29s46	15s38	1s13	1s10	20s19			n.a.

Julian Day Number = 1481788.5, Delta T = 05h22m06s
Ecliptic obliquity = 23°46'36, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'05, Lahiri = -13°01'04 Julian Calendar 1 Dec. 657 BCE == Greg. Calendar 24 Nov. 657 BCE

The year -656 astronomical counting style corresponds to year 657 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

JANUARY 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 14 3	4♉43'31	4♏17	18°R44	6♉20	10°R16	0°R23	16♒ 9	25°R16	16♏59	19♒58	26°R57	27♓ 4	15♏25	n.a.	F 1
S 2	6 18 0	5°44'22	16° 5	18♉24	7°36	10♌ 6	0♊17	16°16	25♉14	17° 0	19°59	26♓51	27° 1	15°31	n.a.	S 2
S 3	6 21 56	6°45'12	27°58	17°54	8°51	9°55	0°12	16°22	25°12	17° 2	20° 0	26°42	26°57	15°38	n.a.	S 3
M 4	6 25 53	7°46'01	9♐57	17°14	10° 6	9°44	0° 7	16°28	25°10	17° 4	20° 1	26°30	26°54	15°45	n.a.	M 4
T 5	6 29 49	8°46'48	22° 6	16°25	11°21	9°31	0° 2	16°35	25° 9	17° 5	20° 2	26°17	26°51	15°52	n.a.	T 5
W 6	6 33 46	9°47'34	4♉26	15°29	12°36	9°18	29♉57	16°42	25° 7	17° 7	20° 4	26° 3	26°48	15°58	n.a.	W 6
T 7	6 37 43	10°48'18	16°57	14°26	13°51	9° 4	29°52	16°48	25° 5	17° 8	20° 5	25°49	26°45	16° 5	n.a.	T 7
F 8	6 41 39	11°49'01	29°39	13°19	15° 6	8°49	29°48	16°55	25° 4	17°10	20° 6	25°37	26°42	16°12	n.a.	F 8
S 9	6 45 36	12°49'42	12♒32	12° 9	16°21	8°34	29°44	17° 1	25° 2	17°11	20° 7	25°28	26°38	16°18	n.a.	S 9
S 10	6 49 32	13°50'22	25°36	10°59	17°37	8°18	29°40	17° 8	25° 1	17°13	20° 9	25°21	26°35	16°25	n.a.	S 10
M11	6 53 29	14°50'59	8♓51	9°50	18°52	8° 1	29°36	17°15	24°59	17°14	20°10	25°18	26°32	16°32	n.a.	M11
T 12	6 57 25	15°51'35	22°18	8°44	20° 7	7°44	29°32	17°22	24°58	17°15	20°11	25°D17	26°29	16°38	n.a.	T 12
W13	7 1 22	16°52'08	5♈57	7°43	21°22	7°26	29°29	17°29	24°57	17°17	20°12	25°17	26°26	16°45	n.a.	W13
T 14	7 5 18	17°52'40	19°49	6°47	22°37	7° 7	29°25	17°36	24°55	17°18	20°14	25°R17	26°23	16°52	n.a.	T 14
F 15	7 9 15	18°53'09	3♉56	5°58	23°52	6°48	29°22	17°43	24°54	17°20	20°15	25°16	26°19	16°58	n.a.	F 15
S 16	7 13 12	19°53'37	18°16	5°15	25° 7	6°28	29°19	17°50	24°53	17°21	20°16	25°13	26°16	17° 5	n.a.	S 16
S 17	7 17 8	20°54'02	2♊46	4°40	26°21	6° 8	29°17	17°57	24°52	17°22	20°18	25° 7	26°13	17°12	n.a.	S 17
M18	7 21 5	21°54'26	17°23	4°13	27°36	5°47	29°14	18° 4	24°51	17°23	20°19	24°59	26°10	17°19	n.a.	M18
T 19	7 25 1	22°54'48	1♋59	3°53	28°51	5°26	29°12	18°11	24°50	17°25	20°21	24°50	26° 7	17°25	n.a.	T 19
W20	7 28 58	23°55'07	16°28	3°40	0♒ 6	5° 4	29° 9	18°18	24°49	17°26	20°22	24°40	26° 3	17°32	n.a.	W20
T 21	7 32 54	24°55'25	0♌43	3°D35	1°21	4°42	29° 8	18°25	24°48	17°27	20°23	24°30	26° 0	17°39	n.a.	T 21
F 22	7 36 51	25°55'41	14°37	3°36	2°36	4°20	29° 6	18°32	24°47	17°28	20°25	24°22	25°57	17°45	n.a.	F 22
S 23	7 40 48	26°55'55	28° 9	3°44	3°51	3°57	29° 4	18°39	24°46	17°29	20°26	24°17	25°54	17°52	n.a.	S 23
S 24	7 44 44	27°56'07	11♍16	3°58	5° 5	3°34	29° 3	18°47	24°45	17°30	20°28	24°14	25°51	17°59	n.a.	S 24
M25	7 48 41	28°56'17	23°59	4°17	6°20	3°11	29° 2	18°54	24°45	17°31	20°29	24°D13	25°48	18° 5	n.a.	M25
T 26	7 52 37	29°56'26	6♎23	4°42	7°35	2°47	29° 1	19° 1	24°44	17°32	20°30	24°14	25°44	18°12	n.a.	T 26
W27	7 56 34	0♒56'33	18°30	5°12	8°50	2°24	29° 0	19° 9	24°43	17°33	20°32	24°15	25°41	18°19	n.a.	W27
T 28	8 0 30	1°56'38	0♏27	5°46	10° 5	2° 0	28°59	19°16	24°43	17°34	20°33	24°R15	25°38	18°26	n.a.	T 28
F 29	8 4 27	2°56'41	12°18	6°25	11°19	1°36	28°59	19°23	24°42	17°35	20°35	24°15	25°35	18°32	n.a.	F 29
S 30	8 8 23	3°56'43	24° 8	7° 8	12°34	1°13	28°59	19°31	24°42	17°36	20°36	24°12	25°32	18°39	n.a.	S 30
S 31	8 12 20	4♒56'43	6♐ 3	7♉54	13♒49	0♌49	28°D59	19♒38	24♉41	17♏37	20♒38	24♓ 8	25♓29	18♏46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s41	16s 0	3s 3	20s34	1n54	24s39	1s 1	21n49	4n 3	20n18	0s13	17s57	1s50	19n18	0s 3	15s34	1n39	29s46	15s38	1s14	1s11	20s22		n.a.
S 2	23 39	20 31	3 48	20 19	2 12	24 36	1 3	21 54	4 6	20 17	0 13	17 55	1 50	19 17	0 3	15 34	1 39	29 45	15 38	1 16	1 12	20 24		n.a.
S 3	23 36	24 16	4 24	20 6	2 29	24 33	1 5	21 59	4 8	20 16	0 13	17 53	1 49	19 17	0 3	15 34	1 39	29 44	15 37	1 20	1 14	20 27		n.a.
M 4	23 33	27 0	4 48	19 55	2 45	24 29	1 6	22 4	4 10	20 15	0 12	17 51	1 49	19 17	0 3	15 35	1 39	29 44	15 37	1 25	1 15	20 29		n.a.
T 5	23 29	28 31	4 59	19 47	3 0	24 24	1 8	22 10	4 12	20 15	0 12	17 49	1 49	19 16	0 3	15 35	1 39	29 43	15 37	1 30	1 16	20 32		n.a.
W 6	23 25	28 39	4 57	19 40	3 13	24 19	1 9	22 15	4 14	20 14	0 12	17 47	1 49	19 16	0 3	15 36	1 39	29 42	15 37	1 36	1 17	20 34		n.a.
T 7	23 20	27 19	4 40	19 36	3 25	24 13	1 10	22 21	4 16	20 13	0 12	17 45	1 49	19 15	0 3	15 36	1 39	29 42	15 37	1 41	1 19	20 37		n.a.
F 8	23 15	24 34	4 10	19 33	3 34	24 6	1 12	22 27	4 18	20 12	0 12	17 43	1 49	19 15	0 3	15 36	1 39	29 41	15 36	1 46	1 20	20 40		n.a.
S 9	23 9	20 34	3 26	19 33	3 41	23 58	1 13	22 33	4 20	20 11	0 12	17 41	1 49	19 15	0 3	15 37	1 39	29 41	15 36	1 50	1 21	20 42		n.a.
S 10	23 3	15 31	2 30	19 34	3 45	23 50	1 14	22 39	4 22	20 11	0 11	17 39	1 49	19 14	0 3	15 37	1 40	29 40	15 36	1 52	1 23	20 45		n.a.
M11	22 56	9 41	1 26	19 37	3 48	23 40	1 15	22 45	4 23	20 10	0 11	17 37	1 49	19 14	0 3	15 38	1 40	29 39	15 36	1 54	1 24	20 47		n.a.
T 12	22 49	3 20	0 16	19 42	3 48	23 31	1 17	22 51	4 25	20 9	0 11	17 35	1 49	19 14	0 3	15 38	1 40	29 39	15 36	1 54	1 25	20 50		n.a.
W13	22 42	3n15	0n56	19 48	3 46	23 20	1 18	22 58	4 27	20 9	0 11	17 32	1 49	19 13	0 3	15 38	1 40	29 38	15 35	1 54	1 26	20 52		n.a.
T 14	22 34	9 48	2 7	19 55	3 42	23 9	1 19	23 4	4 28	20 8	0 11	17 30	1 49	19 13	0 3	15 39	1 40	29 38	15 35	1 54	1 28	20 55		n.a.
F 15	22 25	15 59	3 10	20 3	3 36	22 57	1 20	23 10	4 30	20 8	0 10	17 28	1 49	19 13	0 3	15 39	1 40	29 37	15 35	1 54	1 29	20 57		n.a.
S 16	22 17	21 23	4 3	20 12	3 29	22 44	1 21	23 17	4 31	20 7	0 10	17 26	1 49	19 13	0 3	15 39	1 40	29 36	15 35	1 56	1 30	21 0		n.a.
S 17	22 8	25 35	4 41	20 22	3 20	22 31	1 21	23 23	4 32	20 7	0 10	17 24	1 49	19 12	0 3	15 40	1 40	29 36	15 35	1 58	1 31	21 2		n.a.
M18	21 58	28 9	5 1	20 32	3 10	22 16	1 22	23 30	4 33	20 6	0 10	17 21	1 49	19 12	0 3	15 40	1 40	29 35	15 35	2 1	1 33	21 5		n.a.
T 19	21 48	28 47	5 1	20 43	3 0	22 2	1 23	23 36	4 34	20 6	0 10	17 19	1 49	19 12	0 3	15 40	1 40	29 34	15 34	2 5	1 34	21 7		n.a.
W20	21 38	27 24	4 42	20 55	2 49	21 46	1 24	23 43	4 35	20 6	0 10	17 17	1 49	19 12	0 3	15 40	1 40	29 34	15 34	2 9	1 35	21 10		n.a.
T 21	21 27	24 16	4 5	21 7	2 37	21 30	1 24	23 49	4 36	20 6	0 9	17 14	1 49	19 11	0 3	15 41	1 40	29 33	15 34	2 13	1 37	21 12		n.a.
F 22	21 16	19 47	3 15	21 18	2 25	21 14	1 25	23 56	4 37	20 5	0 9	17 12	1 49	19 11	0 3	15 41	1 40	29 33	15 34	2 16	1 38	21 15		n.a.
S 23	21 4	14 23	2 15	21 30	2 13	20 57	1 25	24 2	4 38	20 5	0 9	17 10	1 49	19 11	0 3	15 41	1 40	29 32	15 34	2 18	1 39	21 17		n.a.
S 24	20 52	8 30	1 9	21 42	2 1	20 39	1 26	24 8	4 38	20 5	0 9	17 8	1 49	19 11	0 3	15 42	1 40	29 31	15 34	2 19	1 40	21 19		n.a.
M25	20 40	2 26	0 1	21 54	1 48	20 20	1 26	24 14	4 39	20 5	0 9	17 5	1 49	19 11	0 3	15 42	1 40	29 31	15 34	2 20	1 42	21 22		n.a.
T 26	20 27	3s33	1s 5	22 6	1 36	20 1	1 26	24 20	4 39	20 5	0 9	17 3	1 49	19 10	0 3	15 42	1 40	29 30	15 34	2 19	1 43	21 24		n.a.
W27	20 14	9 18	2 7	22 17	1 24	19 42	1 26	24 26	4 39	20 5	0 8	17 1	1 49	19 10	0 3	15 42	1 40	29 30	15 33	2 19	1 44	21 27		n.a.
T 28	20 0	14 37	3 2	22 27	1 12	19 21	1 27	24 32	4 40	20 5	0 8	16 58	1 49	19 10	0 3	15 42	1 40	29 29	15 33	2 19	1 46	21 29		n.a.
F 29	19 47	19 22	3 49	22 37	1 0	19 1	1 27	24 37	4 40	20 5	0 8	16 56	1 49	19 10	0 3	15 43	1 40	29 28	15 33	2 19	1 47	21 32		n.a.
S 30	19 32	23 22	4 26	22 47	0 48	18 40	1 27	24 43	4 40	20 5	0 8	16 54	1 49	19 10	0 3	15 43	1 40	29 28	15 33	2 20	1 48	21 34		n.a.
S 31	19s18	26s25	4s52	22s55	0n37	18s18	1s27	24n48	4n39	20n 5	0s 8	16s51	1s49	19n10	0s 3	15s43	1n40	29s27	15s33	2s22	1s49	21s37		n.a.

Julian Day Number = 1481819.5, Delta T = 05h22m04s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°08'00, Lahiri = -13°01'00 Julian Calendar 1 Jan. 656 BCE == Greg. Calendar 25 Dec. 657 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

FEBRUARY 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 16 16	5♒56'42	18♐ 7	8♉44	15♒ 3	0°R25	28♉59	19♒45	24°R41	17♏37	20♒39	24°R 1	25♓25	18♏52	n.a.	M 1
T 2	8 20 13	6°56'38	0♉22	9°38	16°18	0♌ 2	28°59	19°53	24♉41	17°38	20°41	23♓53	25°22	18°59	n.a.	T 2
W 3	8 24 10	7°56'33	12°52	10°34	17°33	29♋39	29° 0	20° 0	24°40	17°39	20°42	23°45	25°19	19° 6	n.a.	W 3
T 4	8 28 6	8°56'25	25°37	11°33	18°47	29°16	29° 1	20° 8	24°40	17°40	20°44	23°36	25°16	19°12	n.a.	T 4
F 5	8 32 3	9°56'16	8♒37	12°35	20° 2	28°53	29° 2	20°15	24°40	17°40	20°45	23°29	25°13	19°19	n.a.	F 5
S 6	8 35 59	10°56'04	21°52	13°39	21°16	28°30	29° 3	20°23	24°40	17°41	20°47	23°23	25° 9	19°26	n.a.	S 6
S 7	8 39 56	11°55'50	5♓19	14°45	22°31	28° 8	29° 4	20°30	24°40	17°42	20°48	23°20	25° 6	19°33	n.a.	S 7
M 8	8 43 52	12°55'34	18°58	15°54	23°46	27°47	29° 6	20°38	24°D40	17°42	20°50	23°D18	25° 3	19°39	n.a.	M 8
T 9	8 47 49	13°55'16	2♈46	17° 5	25° 0	27°25	29° 7	20°46	24°40	17°43	20°51	23°19	25° 0	19°46	n.a.	T 9
W10	8 51 45	14°54'55	16°42	18°18	26°14	27° 4	29° 9	20°53	24°40	17°43	20°53	23°20	24°57	19°53	n.a.	W10
T 11	8 55 42	15°54'32	0♉45	19°32	27°29	26°44	29°11	21° 1	24°40	17°44	20°54	23°21	24°54	19°59	n.a.	T 11
F 12	8 59 39	16°54'07	14°52	20°49	28°43	26°24	29°14	21° 8	24°40	17°44	20°56	23°R22	24°50	20° 6	n.a.	F 12
S 13	9 3 35	17°53'39	29° 3	22° 7	29°58	26° 5	29°16	21°16	24°41	17°44	20°57	23°21	24°47	20°13	n.a.	S 13
S 14	9 7 32	18°53'08	13♊16	23°27	1♓12	25°47	29°19	21°23	24°41	17°45	20°59	23°19	24°44	20°19	n.a.	S 14
M15	9 11 28	19°52'36	27°28	24°49	2°27	25°29	29°22	21°31	24°41	17°45	21° 0	23°16	24°41	20°26	n.a.	M15
T 16	9 15 25	20°52'00	11♋36	26°12	3°41	25°11	29°25	21°39	24°42	17°45	21° 2	23°11	24°38	20°33	n.a.	T 16
W17	9 19 21	21°51'23	25°36	27°37	4°55	24°55	29°28	21°46	24°42	17°46	21° 4	23° 6	24°34	20°40	n.a.	W17
T 18	9 23 18	22°50'43	9♌23	29° 3	6° 9	24°39	29°32	21°54	24°43	17°46	21° 5	23° 2	24°31	20°46	n.a.	T 18
F 19	9 27 14	23°50'01	22°56	0♒31	7°24	24°23	29°35	22° 1	24°43	17°46	21° 7	22°58	24°28	20°53	n.a.	F 19
S 20	9 31 11	24°49'16	6♍11	2° 1	8°38	24° 9	29°39	22° 9	24°44	17°46	21° 8	22°55	24°25	21° 0	n.a.	S 20
S 21	9 35 8	25°48'30	19° 8	3°31	9°52	23°55	29°43	22°17	24°45	17°46	21°10	22°D54	24°22	21° 6	n.a.	S 21
M22	9 39 4	26°47'41	1♎46	5° 4	11° 6	23°42	29°47	22°24	24°45	17°47	21°11	22°55	24°19	21°13	n.a.	M22
T 23	9 43 1	27°46'50	14° 8	6°37	12°20	23°30	29°51	22°32	24°46	17°47	21°13	22°56	24°15	21°20	n.a.	T 23
W24	9 46 57	28°45'58	26°17	8°12	13°34	23°18	29°56	22°39	24°47	17°47	21°14	22°57	24°12	21°26	n.a.	W24
T 25	9 50 54	29°45'03	8♏15	9°49	14°49	23° 7	0♊ 0	22°47	24°48	17°R47	21°16	22°59	24° 9	21°33	n.a.	T 25
F 26	9 54 50	0♓44'07	20° 8	11°27	16° 3	22°57	0° 5	22°54	24°49	17°47	21°17	23° 0	24° 6	21°40	n.a.	F 26
S 27	9 58 47	1°43'09	2♑ 0	13° 6	17°17	22°48	0°10	23° 2	24°50	17°47	21°19	23°R 1	24° 3	21°47	n.a.	S 27
S 28	10 2 43	2♓42'09	13♑56	14♒47	18♓31	22♋39	0♊15	23♒ 9	24♉51	17♏47	21♒20	23♓ 0	24♓ 0	21♏53	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19s 3	28s18	5s 6	23s 3	0n26	17s55	1s27	24n53	4n39	20n 5	0s 8	16s49	1s49	19n10	0s 3	15s43	1n41	29s27	15s33	2s24	1s51	21s39		n.a.
T 2	18 48	28 52	5 5	23 10	0 15	17 33	1 26	24 58	4 39	20 6	0 7	16 46	1 49	19 10	0 3	15 43	1 41	29 26	15 33	2 28	1 52	21 41		n.a.
W 3	18 32	27 58	4 50	23 16	0 5	17 10	1 26	25 2	4 38	20 6	0 7	16 44	1 49	19 10	0 3	15 44	1 41	29 26	15 33	2 31	1 53	21 44		n.a.
T 4	18 17	25 36	4 21	23 22	0s 6	16 46	1 26	25 7	4 38	20 6	0 7	16 42	1 49	19 10	0 3	15 44	1 41	29 25	15 33	2 34	1 54	21 46		n.a.
F 5	18 0	21 52	3 38	23 26	0 15	16 22	1 26	25 11	4 37	20 7	0 7	16 39	1 49	19 10	0 3	15 44	1 41	29 24	15 33	2 37	1 56	21 49		n.a.
S 6	17 44	16 58	2 42	23 29	0 25	15 57	1 25	25 15	4 36	20 7	0 7	16 37	1 49	19 10	0 3	15 44	1 41	29 24	15 33	2 40	1 57	21 51		n.a.
S 7	17 27	11 10	1 36	23 31	0 34	15 32	1 25	25 19	4 35	20 7	0 7	16 34	1 49	19 10	0 3	15 44	1 41	29 23	15 33	2 41	1 58	21 53		n.a.
M 8	17 10	4 47	0 24	23 31	0 43	15 7	1 24	25 22	4 34	20 8	0 7	16 32	1 49	19 10	0 3	15 44	1 41	29 23	15 33	2 42	2 0	21 56		n.a.
T 9	16 53	1n54	0n51	23 31	0 51	14 41	1 23	25 25	4 33	20 8	0 6	16 29	1 49	19 10	0 3	15 44	1 41	29 22	15 33	2 42	2 1	21 58		n.a.
W10	16 35	8 33	2 4	23 29	0 59	14 15	1 23	25 28	4 32	20 9	0 6	16 27	1 49	19 10	0 3	15 44	1 41	29 22	15 33	2 41	2 2	22 0		n.a.
T 11	16 17	14 51	3 9	23 26	1 7	13 48	1 22	25 31	4 30	20 10	0 6	16 25	1 49	19 10	0 3	15 45	1 41	29 21	15 33	2 40	2 3	22 3		n.a.
F 12	15 59	20 24	4 4	23 22	1 14	13 21	1 21	25 34	4 29	20 10	0 6	16 22	1 49	19 10	0 3	15 45	1 41	29 21	15 33	2 40	2 5	22 5		n.a.
S 13	15 41	24 50	4 44	23 16	1 21	12 54	1 20	25 36	4 27	20 11	0 6	16 20	1 49	19 10	0 3	15 45	1 41	29 20	15 33	2 40	2 6	22 7		n.a.
S 14	15 22	27 47	5 7	23 9	1 28	12 26	1 19	25 38	4 26	20 12	0 6	16 17	1 49	19 10	0 3	15 45	1 41	29 19	15 33	2 41	2 7	22 10		n.a.
M15	15 4	28 56	5 11	23 0	1 34	11 58	1 18	25 40	4 24	20 13	0 5	16 15	1 49	19 10	0 3	15 45	1 41	29 19	15 33	2 43	2 9	22 12		n.a.
T 16	14 44	28 10	4 56	22 50	1 39	11 30	1 17	25 42	4 22	20 13	0 5	16 12	1 49	19 10	0 3	15 45	1 41	29 18	15 33	2 44	2 10	22 14		n.a.
W17	14 25	25 38	4 23	22 38	1 45	11 1	1 16	25 43	4 21	20 14	0 5	16 10	1 49	19 10	0 3	15 45	1 41	29 18	15 33	2 46	2 11	22 17		n.a.
T 18	14 6	21 37	3 36	22 25	1 50	10 32	1 15	25 44	4 19	20 15	0 5	16 7	1 49	19 10	0 2	15 45	1 41	29 17	15 33	2 48	2 12	22 19		n.a.
F 19	13 46	16 32	2 37	22 11	1 54	10 3	1 14	25 45	4 17	20 16	0 5	16 5	1 49	19 11	0 2	15 45	1 41	29 17	15 33	2 50	2 14	22 21		n.a.
S 20	13 26	10 46	1 30	21 54	1 58	9 34	1 13	25 46	4 15	20 17	0 5	16 3	1 49	19 11	0 2	15 45	1 41	29 16	15 33	2 51	2 15	22 24		n.a.
S 21	13 6	4 41	0 21	21 37	2 2	9 4	1 11	25 46	4 13	20 18	0 5	16 0	1 49	19 11	0 2	15 45	1 42	29 16	15 33	2 51	2 16	22 26		n.a.
M22	12 45	1s27	0s49	21 17	2 5	8 35	1 10	25 47	4 11	20 19	0 4	15 58	1 49	19 11	0 2	15 45	1 42	29 15	15 33	2 51	2 17	22 28		n.a.
T 23	12 25	7 24	1 54	20 56	2 8	8 5	1 8	25 47	4 9	20 20	0 4	15 55	1 49	19 11	0 2	15 45	1 42	29 15	15 33	2 51	2 19	22 31		n.a.
W24	12 4	12 58	2 53	20 34	2 10	7 34	1 7	25 47	4 7	20 21	0 4	15 53	1 50	19 12	0 2	15 45	1 42	29 14	15 33	2 50	2 20	22 33		n.a.
T 25	11 43	17 59	3 44	20 9	2 12	7 4	1 5	25 46	4 4	20 22	0 4	15 50	1 50	19 12	0 2	15 45	1 42	29 14	15 33	2 49	2 21	22 35		n.a.
F 26	11 22	22 16	4 25	19 43	2 13	6 33	1 4	25 46	4 2	20 23	0 4	15 48	1 50	19 12	0 2	15 45	1 42	29 13	15 33	2 49	2 23	22 37		n.a.
S 27	11 1	25 39	4 54	19 15	2 14	6 3	1 2	25 45	4 0	20 25	0 4	15 45	1 50	19 12	0 2	15 45	1 42	29 13	15 33	2 49	2 24	22 40		n.a.
S 28	10s39	27s56	5s11	18s46	2s14	5s32	1s 0	25n45	3n58	20n26	0s 4	15s43	1s50	19n13	0s 2	15s45	1n42	29s13	15s33	2s49	2s25	22s42		n.a.

Julian Day Number = 1481850.5, Delta T = 05h22m03s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'56, Lahiri = -13°00'56 Julian Calendar 1 Feb. 656 BCE == Greg. Calendar 25 Jan. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

MARCH 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 6 40	3♓41'07	26♐ 1	16♒29	19♓45	22°R32	0♊21	23♒17	24♉52	17°R46	21♒22	22°R59	23♓56	22♏ 0	n.a.	M 1
T 2	10 10 36	4°40'03	8♑18	18°13	20°59	22♋25	0°26	23°24	24°53	17♏46	21°23	22♓57	23°53	22° 7	n.a.	T 2
W 3	10 14 33	5°38'57	20°52	19°58	22°12	22°19	0°32	23°32	24°54	17°46	21°25	22°54	23°50	22°13	n.a.	W 3
T 4	10 18 30	6°37'49	3♒45	21°45	23°26	22°14	0°37	23°39	24°56	17°46	21°26	22°52	23°47	22°20	n.a.	T 4
F 5	10 22 26	7°36'40	16°58	23°33	24°40	22° 9	0°43	23°47	24°57	17°46	21°28	22°50	23°44	22°27	n.a.	F 5
S 6	10 26 23	8°35'28	0♓31	25°22	25°54	22° 5	0°49	23°54	24°58	17°45	21°29	22°48	23°40	22°33	n.a.	S 6
S 7	10 30 19	9°34'14	14°21	27°13	27° 8	22° 2	0°56	24° 2	25° 0	17°45	21°31	22°47	23°37	22°40	n.a.	S 7
M 8	10 34 16	10°32'58	28°26	29° 6	28°22	22° 0	1° 2	24° 9	25° 1	17°45	21°32	22°D47	23°34	22°47	n.a.	M 8
T 9	10 38 12	11°31'40	12♈42	1♓ 0	29°35	21°59	1° 9	24°17	25° 3	17°44	21°34	22°48	23°31	22°54	n.a.	T 9
W10	10 42 9	12°30'20	27° 4	2°56	0♈49	21°D58	1°15	24°24	25° 4	17°44	21°35	22°48	23°28	23° 0	n.a.	W10
T 11	10 46 5	13°28'57	11♉28	4°53	2° 3	21°58	1°22	24°31	25° 6	17°43	21°36	22°49	23°25	23° 7	n.a.	T 11
F 12	10 50 2	14°27'32	25°49	6°51	3°17	21°59	1°29	24°39	25° 7	17°43	21°38	22°50	23°21	23°14	n.a.	F 12
S 13	10 53 59	15°26'05	10♊ 5	8°51	4°30	22° 1	1°36	24°46	25° 9	17°42	21°39	22°R50	23°18	23°20	n.a.	S 13
S 14	10 57 55	16°24'35	24°13	10°52	5°44	22° 3	1°43	24°53	25°11	17°42	21°41	22°50	23°15	23°27	n.a.	S 14
M15	11 1 52	17°23'04	8♋10	12°55	6°57	22° 6	1°51	25° 0	25°13	17°41	21°42	22°50	23°12	23°34	n.a.	M15
T 16	11 5 48	18°21'30	21°57	14°58	8°11	22°10	1°58	25° 8	25°14	17°41	21°44	22°50	23° 9	23°40	n.a.	T 16
W17	11 9 45	19°19'53	5♌30	17° 3	9°24	22°14	2° 6	25°15	25°16	17°40	21°45	22°49	23° 6	23°47	n.a.	W17
T 18	11 13 41	20°18'15	18°51	19° 9	10°38	22°20	2°14	25°22	25°18	17°39	21°46	22°49	23° 2	23°54	n.a.	T 18
F 19	11 17 38	21°16'34	1♍58	21°16	11°51	22°25	2°22	25°29	25°20	17°39	21°48	22°49	22°59	24° 1	n.a.	F 19
S 20	11 21 34	22°14'51	14°51	23°23	13° 5	22°32	2°30	25°36	25°22	17°38	21°49	22°48	22°56	24° 7	n.a.	S 20
S 21	11 25 31	23°13'06	27°31	25°31	14°18	22°39	2°38	25°43	25°24	17°37	21°50	22°48	22°53	24°14	n.a.	S 21
M22	11 29 27	24°11'20	9♎57	27°40	15°31	22°47	2°46	25°50	25°26	17°36	21°52	22°48	22°50	24°21	n.a.	M22
T 23	11 33 24	25° 9'31	22°12	29°48	16°45	22°55	2°54	25°57	25°28	17°36	21°53	22°48	22°46	24°27	n.a.	T 23
W24	11 37 21	26° 7'41	4♏17	1♈56	17°58	23° 4	3° 3	26° 4	25°31	17°35	21°54	22°48	22°43	24°34	n.a.	W24
T 25	11 41 17	27° 5'49	16°14	4° 3	19°11	23°14	3°12	26°11	25°33	17°34	21°56	22°47	22°40	24°41	n.a.	T 25
F 26	11 45 14	28° 3'56	28° 7	6°10	20°24	23°24	3°20	26°18	25°35	17°33	21°57	22°47	22°37	24°48	n.a.	F 26
S 27	11 49 10	29° 2'01	9♐59	8°15	21°37	23°35	3°29	26°25	25°37	17°32	21°58	22°46	22°34	24°54	n.a.	S 27
S 28	11 53 7	0♈ 0'04	21°55	10°19	22°50	23°46	3°38	26°31	25°40	17°31	21°59	22°46	22°31	25° 1	n.a.	S 28
M29	11 57 3	0°58'06	3♑59	12°22	24° 3	23°58	3°47	26°38	25°42	17°30	22° 1	22°D46	22°27	25° 8	n.a.	M29
T 30	12 1 0	1°56'07	16°15	14°22	25°17	24°10	3°57	26°45	25°45	17°29	22° 2	22°46	22°24	25°14	n.a.	T 30
W31	12 4 56	2♈54'06	28♑48	16♈20	26♈30	24♋23	4♊ 6	26♒51	25♉47	17♏28	22♒ 3	22♓47	22♓21	25♏21	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10s18	28s57	5s15	18s15	2s14	5s 1	0s58	25n44	3n55	20n27	0s 3	15s40	1s50	19n13	0s 2	15s44	1n42	29s12	15s33	2s49	2s26	22s44		n.a.
T 2	9 56	28 34	5 4	17 42	2 14	4 29	0 57	25 43	3 53	20 28	0 3	15 38	1 50	19 13	0 2	15 44	1 42	29 12	15 33	2 50	2 28	22 46		n.a.
W 3	9 34	26 43	4 38	17 8	2 13	3 58	0 55	25 41	3 51	20 30	0 3	15 36	1 50	19 13	0 2	15 44	1 42	29 11	15 33	2 51	2 29	22 49		n.a.
T 4	9 12	23 27	3 59	16 31	2 11	3 27	0 53	25 40	3 48	20 31	0 3	15 33	1 50	19 14	0 2	15 44	1 42	29 11	15 33	2 52	2 30	22 51		n.a.
F 5	8 50	18 54	3 5	15 53	2 9	2 55	0 51	25 38	3 46	20 33	0 3	15 31	1 50	19 14	0 2	15 44	1 42	29 10	15 34	2 53	2 31	22 53		n.a.
S 6	8 28	13 19	2 0	15 13	2 6	2 24	0 49	25 36	3 43	20 34	0 3	15 28	1 50	19 14	0 2	15 44	1 42	29 10	15 34	2 54	2 33	22 55		n.a.
S 7	8 5	6 57	0 46	14 32	2 3	1 52	0 47	25 35	3 41	20 35	0 3	15 26	1 50	19 15	0 2	15 44	1 42	29 10	15 34	2 54	2 34	22 58		n.a.
M 8	7 43	0 9	0n31	13 49	2 0	1 20	0 45	25 33	3 39	20 37	0 3	15 23	1 51	19 15	0 2	15 44	1 42	29 9	15 34	2 54	2 35	23 0		n.a.
T 9	7 20	6n44	1 48	13 4	1 55	0 49	0 42	25 30	3 36	20 38	0 2	15 21	1 51	19 16	0 2	15 43	1 42	29 9	15 34	2 54	2 37	23 2		n.a.
W10	6 58	13 20	2 59	12 17	1 51	0 17	0 40	25 28	3 34	20 40	0 2	15 19	1 51	19 16	0 2	15 43	1 42	29 8	15 34	2 54	2 38	23 4		n.a.
T 11	6 35	19 15	3 58	11 29	1 45	0n15	0 38	25 26	3 31	20 41	0 2	15 16	1 51	19 16	0 2	15 43	1 42	29 8	15 34	2 53	2 39	23 6		n.a.
F 12	6 12	24 3	4 42	10 39	1 39	0 46	0 36	25 23	3 29	20 43	0 2	15 14	1 51	19 17	0 2	15 43	1 42	29 8	15 35	2 53	2 40	23 9		n.a.
S 13	5 49	27 22	5 9	9 48	1 33	1 18	0 33	25 21	3 26	20 45	0 2	15 12	1 51	19 17	0 2	15 43	1 42	29 7	15 35	2 53	2 42	23 11		n.a.
S 14	5 26	28 55	5 17	8 55	1 26	1 50	0 31	25 18	3 24	20 46	0 2	15 9	1 51	19 18	0 2	15 43	1 43	29 7	15 35	2 53	2 43	23 13		n.a.
M15	5 3	28 36	5 5	8 1	1 19	2 22	0 29	25 15	3 22	20 48	0 2	15 7	1 51	19 18	0 2	15 42	1 43	29 7	15 35	2 53	2 44	23 15		n.a.
T 16	4 40	26 31	4 37	7 5	1 11	2 53	0 26	25 12	3 19	20 49	0 2	15 4	1 51	19 18	0 2	15 42	1 43	29 6	15 35	2 53	2 45	23 17		n.a.
W17	4 17	22 55	3 53	6 8	1 2	3 25	0 24	25 9	3 17	20 51	0 1	15 2	1 52	19 19	0 2	15 42	1 43	29 6	15 35	2 53	2 47	23 19		n.a.
T 18	3 54	18 11	2 57	5 10	0 54	3 56	0 21	25 6	3 14	20 53	0 1	15 0	1 52	19 19	0 2	15 42	1 43	29 6	15 35	2 53	2 48	23 22		n.a.
F 19	3 30	12 41	1 53	4 11	0 44	4 28	0 19	25 2	3 12	20 54	0 1	14 57	1 52	19 20	0 2	15 42	1 43	29 5	15 36	2 54	2 49	23 24		n.a.
S 20	3 7	6 43	0 44	3 11	0 34	4 59	0 16	24 59	3 10	20 56	0 1	14 55	1 52	19 20	0 2	15 41	1 43	29 5	15 36	2 54	2 51	23 26		n.a.
S 21	2 44	0 36	0s26	2 11	0 24	5 30	0 14	24 55	3 7	20 58	0 1	14 53	1 52	19 21	0 2	15 41	1 43	29 5	15 36	2 54	2 52	23 28		n.a.
M22	2 20	5s26	1 34	1 9	0 14	6 1	0 11	24 52	3 5	21 0	0 1	14 50	1 52	19 21	0 2	15 41	1 43	29 5	15 36	2 54	2 53	23 30		n.a.
T 23	1 57	11 10	2 36	0 8	0 3	6 32	0 9	24 48	3 3	21 1	0 1	14 48	1 52	19 22	0 2	15 40	1 43	29 4	15 36	2 54	2 54	23 32		n.a.
W24	1 34	16 25	3 30	0n53	0n 7	7 3	0 6	24 44	3 0	21 3	0 1	14 46	1 52	19 23	0 2	15 40	1 43	29 4	15 37	2 54	2 56	23 34		n.a.
T 25	1 10	20 59	4 15	1 55	0 18	7 34	0 3	24 40	2 58	21 5	0 0	14 44	1 53	19 23	0 2	15 40	1 43	29 4	15 37	2 54	2 57	23 36		n.a.
F 26	0 47	24 41	4 48	2 56	0 29	8 4	0 1	24 36	2 56	21 7	0 0	14 41	1 53	19 24	0 2	15 40	1 43	29 3	15 37	2 54	2 58	23 39		n.a.
S 27	0 23	27 21	5 9	3 56	0 40	8 34	0n 2	24 32	2 54	21 9	0 0	14 39	1 53	19 24	0 2	15 39	1 43	29 3	15 37	2 54	2 59	23 41		n.a.
S 28	0n 0	28 48	5 17	4 55	0 51	9 5	0 5	24 28	2 51	21 11	0 0	14 37	1 53	19 25	0 2	15 39	1 43	29 3	15 38	2 55	3 1	23 43		n.a.
M29	0 23	28 53	5 11	5 54	1 1	9 34	0 7	24 24	2 49	21 12	0n 0	14 35	1 53	19 25	0 2	15 39	1 43	29 3	15 38	2 55	3 2	23 45		n.a.
T 30	0 47	27 35	4 51	6 50	1 12	10 4	0 10	24 19	2 47	21 14	0 0	14 33	1 53	19 26	0 2	15 38	1 43	29 3	15 38	2 55	3 3	23 47		n.a.
W31	1n10	24s52	4s16	7n46	1n22	10n34	0n13	24n15	2n45	21n16	0n 0	14s30	1s53	19n27	0s 2	15s38	1n43	29s 2	15s38	2s54	3s 5	23s49		n.a.

Julian Day Number = 1481878.5, Delta T = 05h22m01s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'52, Lahiri = -13°00'52 Julian Calendar 1 March 656 BCE == Greg. Calendar 22 Feb. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

APRIL 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 8 53	3♈52'03	11♒42	18♈15	27♈42	24♋37	4♊15	26♒58	25♉49	17°R27	22♒ 4	22♓48	22♓18	25♏28	n.a.	T 1
F 2	12 12 50	4°49'59	24°59	20° 8	28°55	24°51	4°25	27° 5	25°52	17♏26	22° 6	22°49	22°15	25°34	n.a.	F 2
S 3	12 16 46	5°47'54	8♓40	21°58	0♉ 8	25° 5	4°34	27°11	25°55	17°25	22° 7	22°49	22°11	25°41	n.a.	S 3
S 4	12 20 43	6°45'47	22°45	23°45	1°21	25°21	4°44	27°18	25°57	17°24	22° 8	22°R50	22° 8	25°48	n.a.	S 4
M 5	12 24 39	7°43'38	7♈10	25°28	2°34	25°36	4°54	27°24	26° 0	17°23	22° 9	22°49	22° 5	25°55	n.a.	M 5
T 6	12 28 36	8°41'28	21°50	27° 8	3°47	25°52	5° 4	27°30	26° 2	17°22	22°10	22°48	22° 2	26° 1	n.a.	T 6
W 7	12 32 32	9°39'16	6♉39	28°45	5° 0	26° 9	5°14	27°37	26° 5	17°21	22°11	22°47	21°59	26° 8	n.a.	W 7
T 8	12 36 29	10°37'03	21°29	0♉18	6°12	26°26	5°24	27°43	26° 8	17°19	22°12	22°44	21°56	26°15	n.a.	T 8
F 9	12 40 25	11°34'48	6♊12	1°47	7°25	26°43	5°34	27°49	26°11	17°18	22°13	22°42	21°52	26°21	n.a.	F 9
S 10	12 44 22	12°32'31	20°43	3°13	8°38	27° 1	5°45	27°55	26°13	17°17	22°15	22°40	21°49	26°28	n.a.	S 10
S 11	12 48 19	13°30'13	4♋56	4°35	9°50	27°19	5°55	28° 2	26°16	17°16	22°16	22°39	21°46	26°35	n.a.	S 11
M12	12 52 15	14°27'52	18°51	5°54	11° 3	27°38	6° 6	28° 8	26°19	17°14	22°17	22°D39	21°43	26°42	n.a.	M12
T 13	12 56 12	15°25'30	2♌27	7° 8	12°15	27°57	6°16	28°14	26°22	17°13	22°18	22°40	21°40	26°48	n.a.	T 13
W14	13 0 8	16°23'06	15°44	8°19	13°28	28°17	6°27	28°20	26°25	17°12	22°19	22°41	21°37	26°55	n.a.	W14
T 15	13 4 5	17°20'41	28°44	9°25	14°40	28°37	6°38	28°25	26°28	17°10	22°20	22°43	21°33	27° 2	n.a.	T 15
F 16	13 8 1	18°18'14	11♍30	10°28	15°52	28°57	6°48	28°31	26°31	17° 9	22°21	22°44	21°30	27° 8	n.a.	F 16
S 17	13 11 58	19°15'45	24° 3	11°26	17° 5	29°18	6°59	28°37	26°34	17° 8	22°22	22°R44	21°27	27°15	n.a.	S 17
S 18	13 15 54	20°13'15	6♎25	12°21	18°17	29°39	7°10	28°43	26°37	17° 6	22°22	22°44	21°24	27°22	n.a.	S 18
M19	13 19 51	21°10'44	18°38	13°11	19°29	0♌ 1	7°21	28°48	26°40	17° 5	22°23	22°41	21°21	27°29	n.a.	M19
T 20	13 23 48	22° 8'12	0♏43	13°57	20°41	0°23	7°33	28°54	26°43	17° 4	22°24	22°38	21°17	27°35	n.a.	T 20
W21	13 27 44	23° 5'38	12°42	14°38	21°54	0°45	7°44	28°59	26°46	17° 2	22°25	22°33	21°14	27°42	n.a.	W21
T 22	13 31 41	24° 3'04	24°37	15°15	23° 6	1° 7	7°55	29° 5	26°49	17° 1	22°26	22°28	21°11	27°49	n.a.	T 22
F 23	13 35 37	25° 0'28	6♐29	15°48	24°18	1°30	8° 6	29°10	26°52	16°59	22°27	22°22	21° 8	27°55	n.a.	F 23
S 24	13 39 34	25°57'51	18°21	16°16	25°30	1°53	8°18	29°15	26°56	16°58	22°28	22°17	21° 5	28° 2	n.a.	S 24
S 25	13 43 30	26°55'14	0♑17	16°40	26°42	2°17	8°29	29°21	26°59	16°56	22°28	22°13	21° 2	28° 9	n.a.	S 25
M26	13 47 27	27°52'36	12°20	16°58	27°54	2°41	8°41	29°26	27° 2	16°55	22°29	22°10	20°58	28°16	n.a.	M26
T 27	13 51 23	28°49'57	24°34	17°13	29° 5	3° 5	8°53	29°31	27° 5	16°53	22°30	22°D 9	20°55	28°22	n.a.	T 27
W28	13 55 20	29°47'17	7♒ 4	17°22	0♊17	3°29	9° 4	29°36	27° 9	16°52	22°31	22° 9	20°52	28°29	n.a.	W28
T 29	13 59 17	0♉44'37	19°53	17°27	1°29	3°54	9°16	29°41	27°12	16°50	22°31	22°10	20°49	28°36	n.a.	T 29
F 30	14 3 13	1♉41'56	3♓ 7	17°R28	2♊41	4♌19	9♊28	29♒46	27♉15	16♏49	22♒32	22♓12	20♓46	28♏42	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n33	20s51	3s28	8n40	1n31	11n 3	0n16	24n10	2n43	21n18	0n 0	14s28	1s54	19n27	0s 2	15s38	1n43	29s 2	15s38	2s54	3s 6	23s51		n.a.
F 2	1 57	15 42	2 28	9 31	1 40	11 32	0 18	24 5	2 40	21 20	0 0	14 26	1 54	19 28	0 2	15 37	1 43	29 2	15 39	2 54	3 7	23 53		n.a.
S 3	2 20	9 38	1 18	10 21	1 49	12 0	0 21	24 1	2 38	21 22	0 1	14 24	1 54	19 28	0 2	15 37	1 43	29 2	15 39	2 53	3 8	23 55		n.a.
S 4	2 43	2 56	0 0	11 9	1 57	12 29	0 24	23 56	2 36	21 24	0 1	14 22	1 54	19 29	0 2	15 37	1 43	29 2	15 39	2 53	3 10	23 57		n.a.
M 5	3 6	4n 5	1n18	11 55	2 4	12 57	0 26	23 51	2 34	21 26	0 1	14 20	1 54	19 30	0 2	15 36	1 43	29 2	15 40	2 53	3 11	23 59		n.a.
T 6	3 30	11 0	2 33	12 38	2 11	13 25	0 29	23 45	2 32	21 28	0 1	14 18	1 54	19 30	0 2	15 36	1 43	29 1	15 40	2 54	3 12	24 1		n.a.
W 7	3 53	17 22	3 39	13 19	2 17	13 52	0 32	23 40	2 30	21 30	0 1	14 16	1 55	19 31	0 2	15 36	1 43	29 1	15 40	2 54	3 13	24 3		n.a.
T 8	4 16	22 43	4 30	13 57	2 22	14 19	0 35	23 35	2 28	21 31	0 1	14 14	1 55	19 32	0 2	15 35	1 43	29 1	15 40	2 55	3 15	24 5		n.a.
F 9	4 39	26 36	5 2	14 33	2 27	14 46	0 37	23 30	2 26	21 33	0 1	14 12	1 55	19 32	0 2	15 35	1 44	29 1	15 41	2 56	3 16	24 7		n.a.
S 10	5 1	28 41	5 15	15 7	2 31	15 12	0 40	23 24	2 24	21 35	0 1	14 10	1 55	19 33	0 2	15 35	1 44	29 1	15 41	2 57	3 17	24 9		n.a.
S 11	5 24	28 49	5 8	15 38	2 34	15 38	0 43	23 18	2 22	21 37	0 2	14 8	1 55	19 34	0 2	15 34	1 44	29 1	15 41	2 57	3 19	24 11		n.a.
M12	5 47	27 6	4 43	16 7	2 36	16 4	0 45	23 13	2 20	21 39	0 2	14 6	1 56	19 34	0 2	15 34	1 44	29 1	15 41	2 57	3 20	24 13		n.a.
T 13	6 9	23 49	4 2	16 33	2 37	16 29	0 48	23 7	2 18	21 41	0 2	14 4	1 56	19 35	0 2	15 33	1 44	29 1	15 42	2 57	3 21	24 15		n.a.
W14	6 32	19 21	3 10	16 57	2 37	16 54	0 51	23 1	2 16	21 43	0 2	14 2	1 56	19 36	0 2	15 33	1 44	29 1	15 42	2 57	3 22	24 17		n.a.
T 15	6 54	14 4	2 8	17 18	2 37	17 19	0 53	22 55	2 14	21 45	0 2	14 0	1 56	19 36	0 2	15 33	1 44	29 0	15 42	2 56	3 24	24 19		n.a.
F 16	7 16	8 17	1 1	17 37	2 35	17 43	0 56	22 49	2 12	21 47	0 2	13 58	1 56	19 37	0 2	15 32	1 44	29 0	15 43	2 55	3 25	24 21		n.a.
S 17	7 39	2 17	0s 7	17 53	2 33	18 6	0 58	22 43	2 10	21 49	0 2	13 56	1 56	19 38	0 2	15 32	1 44	29 0	15 43	2 55	3 26	24 23		n.a.
S 18	8 1	3s43	1 14	18 7	2 29	18 29	1 1	22 36	2 9	21 51	0 2	13 54	1 57	19 39	0 2	15 31	1 44	29 0	15 43	2 56	3 27	24 25		n.a.
M19	8 23	9 31	2 17	18 19	2 25	18 52	1 3	22 30	2 7	21 53	0 2	13 53	1 57	19 39	0 2	15 31	1 44	29 0	15 44	2 56	3 29	24 27		n.a.
T 20	8 44	14 53	3 13	18 28	2 20	19 14	1 6	22 23	2 5	21 55	0 2	13 51	1 57	19 40	0 2	15 31	1 44	29 0	15 44	2 58	3 30	24 29		n.a.
W21	9 6	19 40	4 0	18 35	2 14	19 36	1 8	22 16	2 3	21 57	0 3	13 49	1 57	19 41	0 2	15 30	1 44	29 0	15 44	3 0	3 31	24 31		n.a.
T 22	9 27	23 38	4 35	18 39	2 7	19 57	1 11	22 10	2 1	21 59	0 3	13 47	1 58	19 42	0 2	15 30	1 44	29 0	15 45	3 2	3 33	24 33		n.a.
F 23	9 49	26 36	4 59	18 41	1 59	20 18	1 13	22 3	1 59	22 1	0 3	13 46	1 58	19 42	0 2	15 29	1 44	29 0	15 45	3 4	3 34	24 35		n.a.
S 24	10 10	28 25	5 10	18 41	1 50	20 38	1 16	21 56	1 58	22 3	0 3	13 44	1 58	19 43	0 2	15 29	1 44	29 0	15 45	3 6	3 35	24 37		n.a.
S 25	10 31	28 55	5 8	18 39	1 40	20 57	1 18	21 49	1 56	22 5	0 3	13 42	1 58	19 44	0 2	15 28	1 44	29 0	15 46	3 8	3 36	24 39		n.a.
M26	10 52	28 3	4 52	18 34	1 29	21 16	1 20	21 41	1 54	22 7	0 3	13 41	1 58	19 45	0 2	15 28	1 44	29 0	15 46	3 9	3 38	24 40		n.a.
T 27	11 13	25 49	4 23	18 27	1 17	21 35	1 22	21 34	1 53	22 9	0 3	13 39	1 59	19 45	0 2	15 28	1 44	29 0	15 46	3 9	3 39	24 42		n.a.
W28	11 33	22 19	3 41	18 17	1 5	21 52	1 25	21 27	1 51	22 11	0 3	13 37	1 59	19 46	0 2	15 27	1 44	29 1	15 47	3 9	3 40	24 44		n.a.
T 29	11 54	17 41	2 46	18 6	0 51	22 10	1 27	21 19	1 49	22 12	0 3	13 36	1 59	19 47	0 2	15 27	1 44	29 1	15 47	3 9	3 41	24 46		n.a.
F 30	12n14	12s 5	1s42	17n52	0n37	22n26	1n29	21n11	1n47	22n14	0n 4	13s34	1s59	19n48	0s 2	15s26	1n44	29s 1	15s47	3s 8	3s43	24s48		n.a.

Julian Day Number = 1481909.5, Delta T = 05h22m00s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'48, Lahiri = -13°00'48 Julian Calendar 1 Apr. 656 BCE == Greg. Calendar 25 March 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

MAY 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 7 10	2♉39'14	16♓47	17°R23	3♊52	4♌45	9♊40	29♒51	27♉19	16°R47	22♒33	22°R12	20♓43	28♏49	n.a.	S 1
S 2	14 11 6	3°36'31	0♈55	17♉15	5° 4	5°10	9°52	29°55	27°22	16♏46	22°33	22♓12	20°39	28°56	n.a.	S 2
M 3	14 15 3	4°33'48	15°28	17° 2	6°16	5°36	10° 4	0♓ 0	27°25	16°44	22°34	22°10	20°36	29° 3	n.a.	M 3
T 4	14 18 59	5°31'04	0♉22	16°46	7°27	6° 3	10°16	0° 5	27°29	16°42	22°35	22° 7	20°33	29° 9	n.a.	T 4
W 5	14 22 56	6°28'20	15°29	16°26	8°39	6°29	10°28	0° 9	27°32	16°41	22°35	22° 1	20°30	29°16	n.a.	W 5
T 6	14 26 52	7°25'35	0♊40	16° 2	9°50	6°56	10°40	0°14	27°35	16°39	22°36	21°55	20°27	29°23	n.a.	T 6
F 7	14 30 49	8°22'49	15°44	15°36	11° 2	7°23	10°52	0°18	27°39	16°38	22°36	21°48	20°23	29°29	n.a.	F 7
S 8	14 34 46	9°20'02	0♋32	15° 7	12°13	7°50	11° 5	0°22	27°42	16°36	22°37	21°42	20°20	29°36	n.a.	S 8
S 9	14 38 42	10°17'14	14°58	14°35	13°24	8°18	11°17	0°26	27°46	16°34	22°37	21°38	20°17	29°43	n.a.	S 9
M10	14 42 39	11°14'26	28°59	14° 3	14°35	8°46	11°29	0°30	27°49	16°33	22°38	21°35	20°14	29°50	n.a.	M10
T 11	14 46 35	12°11'36	12♌34	13°29	15°47	9°14	11°42	0°34	27°53	16°31	22°38	21°D35	20°11	29°56	n.a.	T 11
W12	14 50 32	13° 8'46	25°45	12°55	16°58	9°42	11°54	0°38	27°56	16°30	22°39	21°35	20° 8	0♐ 3	n.a.	W12
T 13	14 54 28	14° 5'55	8♍35	12°22	18° 9	10°10	12° 7	0°42	28° 0	16°28	22°39	21°36	20° 4	0°10	n.a.	T 13
F 14	14 58 25	15° 3'03	21° 8	11°49	19°20	10°39	12°19	0°46	28° 3	16°26	22°39	21°R37	20° 1	0°16	n.a.	F 14
S 15	15 2 21	16° 0'10	3♎28	11°17	20°31	11° 8	12°32	0°50	28° 7	16°25	22°40	21°36	19°58	0°23	n.a.	S 15
S 16	15 6 18	16°57'16	15°37	10°47	21°41	11°37	12°45	0°53	28°10	16°23	22°40	21°33	19°55	0°30	n.a.	S 16
M17	15 10 15	17°54'23	27°39	10°20	22°52	12° 7	12°57	0°57	28°14	16°21	22°40	21°28	19°52	0°37	n.a.	M17
T 18	15 14 11	18°51'29	9♏36	9°55	24° 3	12°36	13°10	1° 0	28°17	16°20	22°41	21°21	19°49	0°43	n.a.	T 18
W19	15 18 8	19°48'34	21°30	9°34	25°14	13° 6	13°23	1° 3	28°21	16°18	22°41	21°11	19°45	0°50	n.a.	W19
T 20	15 22 4	20°45'39	3♐22	9°16	26°24	13°36	13°36	1° 7	28°25	16°17	22°41	21° 0	19°42	0°57	n.a.	T 20
F 21	15 26 1	21°42'44	15°15	9° 3	27°35	14° 7	13°48	1°10	28°28	16°15	22°41	20°49	19°39	1° 3	n.a.	F 21
S 22	15 29 57	22°39'49	27° 9	8°53	28°45	14°37	14° 1	1°13	28°32	16°13	22°42	20°38	19°36	1°10	n.a.	S 22
S 23	15 33 54	23°36'54	9♑ 7	8°48	29°56	15° 8	14°14	1°16	28°35	16°12	22°42	20°29	19°33	1°17	n.a.	S 23
M24	15 37 51	24°33'59	21°12	8°D48	1♋ 6	15°39	14°27	1°19	28°39	16°10	22°42	20°22	19°29	1°24	n.a.	M24
T 25	15 41 47	25°31'05	3♒26	8°52	2°16	16°10	14°40	1°21	28°42	16° 9	22°42	20°18	19°26	1°30	n.a.	T 25
W26	15 45 44	26°28'10	15°55	9° 1	3°26	16°41	14°53	1°24	28°46	16° 7	22°42	20°15	19°23	1°37	n.a.	W26
T 27	15 49 40	27°25'15	28°41	9°15	4°36	17°12	15° 6	1°27	28°50	16° 5	22°42	20°D15	19°20	1°44	n.a.	T 27
F 28	15 53 37	28°22'21	11♓49	9°34	5°46	17°44	15°19	1°29	28°53	16° 4	22°42	20°15	19°17	1°50	n.a.	F 28
S 29	15 57 33	29°19'27	25°22	9°58	6°56	18°16	15°32	1°32	28°57	16° 2	22°43	20°R15	19°14	1°57	n.a.	S 29
S 30	16 1 30	0♊16'33	9♈24	10°27	8° 6	18°48	15°45	1°34	29° 0	16° 1	22°43	20°14	19°10	2° 4	n.a.	S 30
M31	16 5 26	1♊13'40	23♈52	11♉ 0	9♋16	19♌20	15♊58	1♓36	29♉ 4	15♏59	22°R43	20♓11	19♓ 7	2♐11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n34	5s44	0s29	17n37	0n22	22n42	1n31	21n 3	1n46	22n16	0n 4	13s33	1s59	19n48	0s 2	15s26	1n44	29s 1	15s48	3s 8	3s44	24s50		n.a.
S 2	12 54	1n 5	0n47	17 20	0 7	22 58	1 33	20 55	1 44	22 18	0 4	13 31	2 0	19 49	0 2	15 25	1 44	29 1	15 48	3 8	3 45	24 52		n.a.
M 3	13 13	8 3	2 3	17 1	0s 9	23 13	1 35	20 47	1 43	22 20	0 4	13 30	2 0	19 50	0 2	15 25	1 44	29 1	15 48	3 9	3 46	24 54		n.a.
T 4	13 33	14 44	3 11	16 40	0 26	23 27	1 37	20 39	1 41	22 22	0 4	13 28	2 0	19 51	0 2	15 24	1 44	29 1	15 49	3 10	3 48	24 55		n.a.
W 5	13 52	20 39	4 8	16 18	0 43	23 40	1 38	20 31	1 39	22 24	0 4	13 27	2 0	19 52	0 2	15 24	1 44	29 1	15 49	3 13	3 49	24 57		n.a.
T 6	14 11	25 15	4 47	15 55	1 0	23 53	1 40	20 23	1 38	22 26	0 4	13 26	2 1	19 52	0 2	15 23	1 44	29 1	15 49	3 15	3 50	24 59		n.a.
F 7	14 30	28 4	5 6	15 31	1 16	24 6	1 42	20 14	1 36	22 28	0 4	13 24	2 1	19 53	0 2	15 23	1 44	29 1	15 50	3 18	3 52	25 1		n.a.
S 8	14 48	28 51	5 4	15 7	1 33	24 17	1 44	20 5	1 35	22 29	0 4	13 23	2 1	19 54	0 2	15 23	1 44	29 2	15 50	3 20	3 53	25 3		n.a.
S 9	15 7	27 36	4 43	14 42	1 50	24 28	1 45	19 57	1 33	22 31	0 4	13 22	2 1	19 55	0 2	15 22	1 44	29 2	15 50	3 22	3 54	25 4		n.a.
M10	15 25	24 39	4 5	14 16	2 6	24 38	1 47	19 48	1 32	22 33	0 5	13 20	2 2	19 56	0 2	15 22	1 44	29 2	15 51	3 23	3 55	25 6		n.a.
T 11	15 43	20 22	3 14	13 51	2 22	24 48	1 48	19 39	1 30	22 35	0 5	13 19	2 2	19 56	0 2	15 21	1 44	29 2	15 51	3 23	3 57	25 8		n.a.
W12	16 0	15 13	2 15	13 27	2 37	24 57	1 49	19 29	1 29	22 37	0 5	13 18	2 2	19 57	0 2	15 21	1 44	29 2	15 52	3 23	3 58	25 10		n.a.
T 13	16 18	9 32	1 9	13 3	2 51	25 5	1 51	19 20	1 27	22 39	0 5	13 17	2 2	19 58	0 2	15 20	1 44	29 3	15 52	3 23	3 59	25 12		n.a.
F 14	16 35	3 36	0 3	12 40	3 4	25 12	1 52	19 11	1 26	22 40	0 5	13 16	2 3	19 59	0 2	15 20	1 44	29 3	15 52	3 22	4 0	25 13		n.a.
S 15	16 52	2s21	1s 3	12 19	3 16	25 19	1 53	19 1	1 24	22 42	0 5	13 15	2 3	20 0	0 2	15 19	1 44	29 3	15 53	3 23	4 2	25 15		n.a.
S 16	17 8	8 9	2 5	12 0	3 27	25 25	1 54	18 52	1 23	22 44	0 5	13 14	2 3	20 0	0 2	15 19	1 44	29 3	15 53	3 24	4 3	25 17		n.a.
M17	17 24	13 35	3 0	11 42	3 37	25 30	1 55	18 42	1 21	22 46	0 5	13 13	2 3	20 1	0 2	15 18	1 44	29 3	15 53	3 26	4 4	25 19		n.a.
T 18	17 41	18 28	3 47	11 26	3 45	25 35	1 56	18 32	1 20	22 47	0 5	13 12	2 4	20 2	0 2	15 18	1 44	29 4	15 54	3 29	4 5	25 20		n.a.
W19	17 56	22 38	4 24	11 13	3 52	25 38	1 57	18 22	1 18	22 49	0 5	13 11	2 4	20 3	0 2	15 17	1 44	29 4	15 54	3 33	4 7	25 22		n.a.
T 20	18 12	25 51	4 49	11 2	3 58	25 41	1 58	18 12	1 17	22 51	0 6	13 10	2 4	20 4	0 2	15 17	1 44	29 4	15 55	3 37	4 8	25 24		n.a.
F 21	18 27	27 57	5 2	10 53	4 2	25 44	1 59	18 2	1 15	22 52	0 6	13 9	2 4	20 4	0 2	15 17	1 44	29 4	15 55	3 41	4 9	25 26		n.a.
S 22	18 42	28 46	5 1	10 47	4 5	25 45	1 59	17 51	1 14	22 54	0 6	13 8	2 5	20 5	0 1	15 16	1 44	29 5	15 55	3 46	4 11	25 27		n.a.
S 23	18 56	28 14	4 47	10 44	4 7	25 46	2 0	17 41	1 13	22 56	0 6	13 7	2 5	20 6	0 1	15 16	1 44	29 5	15 56	3 49	4 12	25 29		n.a.
M24	19 11	26 22	4 21	10 43	4 8	25 46	2 0	17 30	1 11	22 57	0 6	13 6	2 5	20 7	0 1	15 15	1 44	29 5	15 56	3 52	4 13	25 31		n.a.
T 25	19 25	23 15	3 42	10 46	4 7	25 46	2 0	17 20	1 10	22 59	0 6	13 6	2 6	20 8	0 1	15 15	1 44	29 6	15 56	3 54	4 14	25 32		n.a.
W26	19 38	19 1	2 52	10 50	4 5	25 45	2 1	17 9	1 9	23 0	0 6	13 5	2 6	20 9	0 1	15 14	1 44	29 6	15 57	3 55	4 16	25 34		n.a.
T 27	19 52	13 51	1 52	10 58	4 2	25 43	2 1	16 58	1 7	23 2	0 6	13 4	2 6	20 9	0 1	15 14	1 44	29 6	15 57	3 55	4 17	25 36		n.a.
F 28	20 5	7 55	0 45	11 7	3 58	25 40	2 1	16 47	1 6	23 4	0 6	13 4	2 6	20 10	0 1	15 13	1 44	29 7	15 58	3 55	4 18	25 37		n.a.
S 29	20 17	1 27	0n27	11 20	3 53	25 36	2 1	16 36	1 5	23 5	0 6	13 3	2 7	20 11	0 1	15 13	1 44	29 7	15 58	3 55	4 19	25 39		n.a.
S 30	20 30	5n18	1 40	11 34	3 47	25 32	2 1	16 24	1 3	23 7	0 7	13 2	2 7	20 12	0 1	15 13	1 44	29 7	15 58	3 55	4 21	25 41		n.a.
M31	20n42	11n59	2n48	11n51	3s40	25n27	2n 1	16n13	1n 2	23n 8	0n 7	13s 2	2s 7	20n13	0s 1	15s12	1n44	29s 8	15s59	3s57	4s22	25s42		n.a.

Julian Day Number = 1481939.5, Delta T = 05h21m58s
Ecliptic obliquity = 23°46'37, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'44, Lahiri = -13°00'44 Julian Calendar 1 May 656 BCE == Greg. Calendar 24 Apr. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

JUNE 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 9 23	2♊10'47	8♉46	11♉39	10♋26	19♌52	16♊11	1♓38	29♉ 8	15°R58	22°R43	20°R 5	19♓ 4	2♐17	n.a.	T 1
W 2	16 13 20	3° 7'55	23°56	12°22	11°35	20°25	16°25	1°40	29°11	15♏56	22♒42	19♓56	19° 1	2°24	n.a.	W 2
T 3	16 17 16	4° 5'03	9♊15	13°10	12°45	20°57	16°38	1°42	29°15	15°55	22°42	19°46	18°58	2°31	n.a.	T 3
F 4	16 21 13	5° 2'11	24°30	14° 2	13°54	21°30	16°51	1°44	29°18	15°53	22°42	19°36	18°54	2°37	n.a.	F 4
S 5	16 25 9	5°59'19	9♋30	14°59	15° 4	22° 3	17° 4	1°46	29°22	15°52	22°42	19°27	18°51	2°44	n.a.	S 5
S 6	16 29 6	6°56'27	24° 8	16° 1	16°13	22°36	17°17	1°47	29°26	15°50	22°42	19°19	18°48	2°51	n.a.	S 6
M 7	16 33 2	7°53'35	8♌18	17° 7	17°22	23°10	17°31	1°49	29°29	15°49	22°42	19°14	18°45	2°58	n.a.	M 7
T 8	16 36 59	8°50'44	21°58	18°18	18°31	23°43	17°44	1°50	29°33	15°47	22°42	19°12	18°42	3° 4	n.a.	T 8
W 9	16 40 56	9°47'52	5♍11	19°33	19°40	24°17	17°57	1°51	29°36	15°46	22°42	19°11	18°39	3°11	n.a.	W 9
T 10	16 44 52	10°45'01	18° 0	20°52	20°49	24°51	18°11	1°53	29°40	15°44	22°41	19°11	18°35	3°18	n.a.	T 10
F 11	16 48 49	11°42'10	0♎28	22°15	21°58	25°25	18°24	1°54	29°43	15°43	22°41	19°10	18°32	3°25	n.a.	F 11
S 12	16 52 45	12°39'19	12°42	23°43	23° 7	25°59	18°37	1°55	29°47	15°41	22°41	19° 9	18°29	3°31	n.a.	S 12
S 13	16 56 42	13°36'28	24°44	25°14	24°16	26°33	18°50	1°55	29°50	15°40	22°41	19° 5	18°26	3°38	n.a.	S 13
M14	17 0 38	14°33'38	6♏40	26°49	25°24	27° 8	19° 4	1°56	29°54	15°39	22°40	18°58	18°23	3°45	n.a.	M14
T 15	17 4 35	15°30'48	18°33	28°29	26°32	27°42	19°17	1°57	29°57	15°37	22°40	18°49	18°20	3°51	n.a.	T 15
W16	17 8 31	16°27'58	0♐24	0♊11	27°41	28°17	19°30	1°57	0♊ 1	15°36	22°40	18°37	18°16	3°58	n.a.	W16
T 17	17 12 28	17°25'10	12°17	1°58	28°49	28°52	19°44	1°58	0° 4	15°35	22°39	18°24	18°13	4° 5	n.a.	T 17
F 18	17 16 25	18°22'22	24°13	3°47	29°57	29°27	19°57	1°58	0° 8	15°33	22°39	18°10	18°10	4°12	n.a.	F 18
S 19	17 20 21	19°19'35	6♑12	5°40	1♌ 5	0♍ 2	20°10	1°59	0°11	15°32	22°38	17°56	18° 7	4°18	n.a.	S 19
S 20	17 24 18	20°16'48	18°17	7°35	2°13	0°37	20°24	1°59	0°15	15°31	22°38	17°45	18° 4	4°25	n.a.	S 20
M21	17 28 14	21°14'03	0♒29	9°32	3°20	1°13	20°37	1°R59	0°18	15°30	22°37	17°36	18° 0	4°32	n.a.	M21
T 22	17 32 11	22°11'18	12°50	11°32	4°28	1°48	20°50	1°59	0°22	15°28	22°37	17°30	17°57	4°38	n.a.	T 22
W23	17 36 7	23° 8'35	25°23	13°34	5°35	2°24	21° 4	1°59	0°25	15°27	22°36	17°26	17°54	4°45	n.a.	W23
T 24	17 40 4	24° 5'53	8♓10	15°37	6°43	3° 0	21°17	1°58	0°28	15°26	22°36	17°25	17°51	4°52	n.a.	T 24
F 25	17 44 0	25° 3'11	21°17	17°41	7°50	3°36	21°30	1°58	0°32	15°25	22°35	17°25	17°48	4°59	n.a.	F 25
S 26	17 47 57	26° 0'31	4♈45	19°46	8°57	4°12	21°44	1°58	0°35	15°24	22°35	17°25	17°45	5° 5	n.a.	S 26
S 27	17 51 54	26°57'53	18°37	21°51	10° 4	4°48	21°57	1°57	0°38	15°23	22°34	17°23	17°41	5°12	n.a.	S 27
M28	17 55 50	27°55'15	2♉54	23°57	11°10	5°24	22°10	1°56	0°42	15°22	22°34	17°20	17°38	5°19	n.a.	M28
T 29	17 59 47	28°52'40	17°36	26° 3	12°17	6° 1	22°24	1°56	0°45	15°20	22°33	17°14	17°35	5°26	n.a.	T 29
W30	18 3 43	29♊50'05	2♊35	28♊ 8	13♌23	6♍37	22♊37	1♓55	0♊48	15♏19	22♒32	17♓ 6	17♓32	5♐32	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n53	18n12	3n47	12n10	3s33	25n22	2n 0	16n 1	1n 1	23n10	0n 7	13s 1	2s 7	20n13	0s 1	15s12	1n44	29s 8	15s59	3s59	4s23	25s44		n.a.
W 2	21 5	23 24	4 31	12 32	3 24	25 15	2 0	15 50	0 59	23 11	0 7	13 1	2 8	20 14	0 1	15 11	1 44	29 8	15 59	4 2	4 24	25 46		n.a.
T 3	21 16	27 1	4 56	12 55	3 15	25 8	1 59	15 38	0 58	23 13	0 7	13 0	2 8	20 15	0 1	15 11	1 44	29 9	16 0	4 6	4 26	25 47		n.a.
F 4	21 26	28 39	5 0	13 20	3 5	25 1	1 59	15 26	0 57	23 14	0 7	13 0	2 8	20 16	0 1	15 10	1 44	29 9	16 0	4 10	4 27	25 49		n.a.
S 5	21 37	28 8	4 43	13 46	2 55	24 52	1 58	15 14	0 56	23 15	0 7	13 0	2 9	20 17	0 1	15 10	1 44	29 9	16 1	4 14	4 28	25 51		n.a.
S 6	21 46	25 39	4 8	14 15	2 44	24 43	1 57	15 2	0 54	23 17	0 7	12 59	2 9	20 17	0 1	15 10	1 44	29 10	16 1	4 17	4 29	25 52		n.a.
M 7	21 56	21 38	3 18	14 44	2 33	24 33	1 57	14 49	0 53	23 18	0 7	12 59	2 9	20 18	0 1	15 9	1 44	29 10	16 1	4 19	4 31	25 54		n.a.
T 8	22 5	16 34	2 19	15 15	2 21	24 23	1 56	14 37	0 52	23 19	0 7	12 59	2 9	20 19	0 1	15 9	1 43	29 11	16 2	4 20	4 32	25 55		n.a.
W 9	22 14	10 53	1 13	15 48	2 9	24 12	1 54	14 25	0 51	23 21	0 8	12 59	2 10	20 20	0 1	15 8	1 43	29 11	16 2	4 20	4 33	25 57		n.a.
T 10	22 22	4 54	0 6	16 21	1 57	24 0	1 53	14 12	0 50	23 22	0 8	12 58	2 10	20 21	0 1	15 8	1 43	29 11	16 2	4 20	4 34	25 59		n.a.
F 11	22 30	1s 6	0s59	16 55	1 44	23 48	1 52	13 59	0 48	23 23	0 8	12 58	2 10	20 21	0 1	15 8	1 43	29 12	16 3	4 21	4 36	26 0		n.a.
S 12	22 38	6 56	2 1	17 29	1 32	23 35	1 51	13 46	0 47	23 25	0 8	12 58	2 11	20 22	0 1	15 7	1 43	29 12	16 3	4 21	4 37	26 2		n.a.
S 13	22 45	12 26	2 56	18 4	1 19	23 21	1 49	13 33	0 46	23 26	0 8	12 58	2 11	20 23	0 1	15 7	1 43	29 13	16 3	4 23	4 38	26 3		n.a.
M14	22 52	17 26	3 43	18 39	1 6	23 7	1 47	13 20	0 45	23 27	0 8	12 58	2 11	20 24	0 1	15 7	1 43	29 13	16 4	4 25	4 40	26 5		n.a.
T 15	22 59	21 44	4 19	19 14	0 53	22 52	1 46	13 7	0 44	23 28	0 8	12 58	2 11	20 24	0 1	15 6	1 43	29 14	16 4	4 29	4 41	26 6		n.a.
W16	23 5	25 9	4 45	19 49	0 40	22 37	1 44	12 54	0 42	23 30	0 8	12 58	2 12	20 25	0 1	15 6	1 43	29 14	16 5	4 34	4 42	26 8		n.a.
T 17	23 10	27 30	4 58	20 23	0 28	22 21	1 42	12 41	0 41	23 31	0 8	12 58	2 12	20 26	0 1	15 5	1 43	29 15	16 5	4 39	4 43	26 9		n.a.
F 18	23 16	28 36	4 58	20 57	0 15	22 4	1 40	12 27	0 40	23 32	0 8	12 58	2 12	20 27	0 1	15 5	1 43	29 15	16 5	4 45	4 45	26 11		n.a.
S 19	23 20	28 22	4 45	21 30	0 3	21 47	1 38	12 13	0 39	23 33	0 9	12 59	2 13	20 27	0 1	15 5	1 43	29 15	16 6	4 50	4 46	26 13		n.a.
S 20	23 25	26 47	4 19	22 1	0n 8	21 30	1 35	12 0	0 38	23 34	0 9	12 59	2 13	20 28	0 1	15 4	1 43	29 16	16 6	4 54	4 47	26 14		n.a.
M21	23 29	23 55	3 41	22 31	0 19	21 12	1 33	11 46	0 37	23 35	0 9	12 59	2 13	20 29	0 1	15 4	1 43	29 16	16 6	4 58	4 48	26 16		n.a.
T 22	23 33	19 56	2 52	22 59	0 30	20 53	1 31	11 32	0 36	23 36	0 9	12 59	2 13	20 30	0 1	15 4	1 43	29 17	16 7	5 0	4 50	26 17		n.a.
W23	23 36	15 1	1 54	23 25	0 40	20 34	1 28	11 18	0 34	23 37	0 9	13 0	2 14	20 30	0 1	15 4	1 43	29 17	16 7	5 2	4 51	26 18		n.a.
T 24	23 39	9 22	0 49	23 49	0 50	20 14	1 25	11 4	0 33	23 38	0 9	13 0	2 14	20 31	0 1	15 3	1 43	29 18	16 7	5 2	4 52	26 20		n.a.
F 25	23 41	3 12	0n20	24 10	0 59	19 54	1 23	10 50	0 32	23 39	0 9	13 0	2 14	20 32	0 1	15 3	1 43	29 18	16 8	5 2	4 53	26 21		n.a.
S 26	23 43	3n17	1 30	24 29	1 7	19 33	1 20	10 35	0 31	23 40	0 9	13 1	2 15	20 32	0 1	15 3	1 43	29 19	16 8	5 3	4 55	26 23		n.a.
S 27	23 44	9 48	2 37	24 46	1 14	19 12	1 17	10 21	0 30	23 41	0 9	13 1	2 15	20 33	0 1	15 2	1 43	29 19	16 8	5 3	4 56	26 24		n.a.
M28	23 46	16 1	3 36	24 59	1 21	18 51	1 14	10 6	0 29	23 42	0 9	13 2	2 15	20 34	0 1	15 2	1 43	29 20	16 9	5 4	4 57	26 26		n.a.
T 29	23 46	21 30	4 22	25 10	1 27	18 29	1 10	9 52	0 28	23 43	0 10	13 2	2 15	20 35	0 1	15 2	1 43	29 20	16 9	5 7	4 58	26 27		n.a.
W30	23n47	25n44	4n51	25n18	1n32	18n 6	1n 7	9n37	0n27	23n44	0n10	13s 3	2s16	20n35	0s 1	15s 2	1n43	29s21	16s 9	5s10	5s 0	26s29		n.a.

Julian Day Number = 1481970.5, Delta T = 05h21m57s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'40, Lahiri = -13°00'39 Julian Calendar 1 June 656 BCE == Greg. Calendar 25 May 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

JULY 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 7 40	0♋47'32	17♊45	0♋13	14♌30	7♍14	22♊50	1°R54	0♊52	15°R18	22°R32	16°R56	17♓29	5♐39	n.a.	T 1
F 2	18 11 36	1°45'00	2♋56	2°17	15°36	7°51	23° 3	1♓53	0°55	15♏17	22♒31	16♓45	17°26	5°46	n.a.	F 2
S 3	18 15 33	2°42'29	17°56	4°20	16°42	8°28	23°17	1°51	0°58	15°16	22°30	16°35	17°22	5°52	n.a.	S 3
S 4	18 19 30	3°39'59	2♌36	6°22	17°48	9° 5	23°30	1°50	1° 1	15°15	22°30	16°27	17°19	5°59	n.a.	S 4
M 5	18 23 26	4°37'30	16°51	8°23	18°53	9°42	23°43	1°49	1° 4	15°15	22°29	16°22	17°16	6° 6	n.a.	M 5
T 6	18 27 23	5°35'02	0♍37	10°23	19°59	10°20	23°56	1°47	1° 7	15°14	22°28	16°19	17°13	6°13	n.a.	T 6
W 7	18 31 19	6°32'35	13°54	12°21	21° 4	10°57	24°10	1°46	1°11	15°13	22°27	16°D18	17°10	6°19	n.a.	W 7
T 8	18 35 16	7°30'09	26°46	14°19	22° 9	11°35	24°23	1°44	1°14	15°12	22°27	16°18	17° 6	6°26	n.a.	T 8
F 9	18 39 12	8°27'45	9♎16	16°14	23°14	12°12	24°36	1°42	1°17	15°11	22°26	16°R19	17° 3	6°33	n.a.	F 9
S 10	18 43 9	9°25'21	21°29	18° 9	24°19	12°50	24°49	1°40	1°20	15°10	22°25	16°18	17° 0	6°39	n.a.	S 10
S 11	18 47 5	10°22'58	3♏30	20° 2	25°23	13°28	25° 2	1°38	1°23	15°10	22°24	16°15	16°57	6°46	n.a.	S 11
M12	18 51 2	11°20'37	15°25	21°53	26°27	14° 6	25°15	1°36	1°26	15° 9	22°23	16°10	16°54	6°53	n.a.	M12
T 13	18 54 59	12°18'17	27°17	23°43	27°31	14°44	25°28	1°34	1°29	15° 8	22°23	16° 3	16°51	7° 0	n.a.	T 13
W14	18 58 55	13°15'58	9♐ 9	25°32	28°35	15°23	25°41	1°32	1°31	15° 7	22°22	15°53	16°47	7° 6	n.a.	W14
T 15	19 2 52	14°13'41	21° 5	27°19	29°39	16° 1	25°54	1°30	1°34	15° 7	22°21	15°43	16°44	7°13	n.a.	T 15
F 16	19 6 48	15°11'25	3♑ 6	29° 4	0♍42	16°39	26° 7	1°27	1°37	15° 6	22°20	15°31	16°41	7°20	n.a.	F 16
S 17	19 10 45	16° 9'10	15°13	0♌49	1°45	17°18	26°20	1°25	1°40	15° 6	22°19	15°20	16°38	7°27	n.a.	S 17
S 18	19 14 41	17° 6'57	27°29	2°32	2°48	17°57	26°33	1°22	1°43	15° 5	22°18	15°11	16°35	7°33	n.a.	S 18
M19	19 18 38	18° 4'46	9♒54	4°13	3°51	18°36	26°46	1°19	1°46	15° 5	22°17	15° 4	16°32	7°40	n.a.	M19
T 20	19 22 34	19° 2'36	22°28	5°53	4°53	19°14	26°59	1°17	1°48	15° 4	22°16	14°59	16°28	7°47	n.a.	T 20
W21	19 26 31	20° 0'28	5♓14	7°32	5°55	19°53	27°11	1°14	1°51	15° 4	22°15	14°57	16°25	7°53	n.a.	W21
T 22	19 30 28	20°58'22	18°12	9° 9	6°57	20°33	27°24	1°11	1°54	15° 3	22°14	14°D56	16°22	8° 0	n.a.	T 22
F 23	19 34 24	21°56'17	1♈25	10°45	7°58	21°12	27°37	1° 8	1°56	15° 3	22°13	14°57	16°19	8° 7	n.a.	F 23
S 24	19 38 21	22°54'15	14°54	12°20	8°59	21°51	27°49	1° 5	1°59	15° 2	22°12	14°58	16°16	8°14	n.a.	S 24
S 25	19 42 17	23°52'15	28°42	13°54	10° 0	22°31	28° 2	1° 1	2° 1	15° 2	22°11	14°R58	16°12	8°20	n.a.	S 25
M26	19 46 14	24°50'17	12♉49	15°26	11° 1	23°10	28°15	0°58	2° 4	15° 2	22°10	14°57	16° 9	8°27	n.a.	M26
T 27	19 50 10	25°48'21	27°15	16°56	12° 1	23°50	28°27	0°55	2° 6	15° 1	22° 9	14°53	16° 6	8°34	n.a.	T 27
W28	19 54 7	26°46'27	11♊55	18°26	13° 1	24°30	28°40	0°51	2° 9	15° 1	22° 8	14°48	16° 3	8°40	n.a.	W28
T 29	19 58 3	27°44'35	26°44	19°54	14° 0	25° 9	28°52	0°48	2°11	15° 1	22° 7	14°41	16° 0	8°47	n.a.	T 29
F 30	20 2 0	28°42'46	11♋35	21°20	14°59	25°49	29° 5	0°44	2°13	15° 1	22° 6	14°34	15°57	8°54	n.a.	F 30
S 31	20 5 57	29♋40'58	26♋19	22♌46	15♍58	26♍29	29♊17	0♓40	2♊16	15♏ 1	22♒ 5	14♓27	15♓53	9♐ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n46	28n12	5n 1	25n23	1n37	17n44	1n 4	9n22	0n26	23n45	0n10	13s 4	2s16	20n36	0s 1	15s 1	1n43	29s21	16s 9	5s14	5s 1	26s30		n.a.
F 2	23 46	28 34	4 49	25 26	1 40	17 20	1 0	9 7	0 25	23 45	0 10	13 4	2 16	20 37	0 1	15 1	1 43	29 22	16 10	5 18	5 2	26 32		n.a.
S 3	23 45	26 49	4 18	25 26	1 43	16 57	0 56	8 52	0 24	23 46	0 10	13 5	2 16	20 37	0 1	15 1	1 42	29 22	16 10	5 22	5 3	26 33		n.a.
S 4	23 43	23 15	3 30	25 23	1 46	16 33	0 53	8 37	0 22	23 47	0 10	13 6	2 17	20 38	0 1	15 1	1 42	29 23	16 10	5 25	5 5	26 34		n.a.
M 5	23 42	18 23	2 29	25 18	1 47	16 9	0 49	8 22	0 21	23 48	0 10	13 6	2 17	20 39	0 1	15 0	1 42	29 24	16 11	5 27	5 6	26 36		n.a.
T 6	23 39	12 41	1 22	25 10	1 48	15 44	0 45	8 7	0 20	23 48	0 10	13 7	2 17	20 39	0 1	15 0	1 42	29 24	16 11	5 28	5 7	26 37		n.a.
W 7	23 37	6 37	0 13	25 0	1 49	15 19	0 41	7 52	0 19	23 49	0 10	13 8	2 18	20 40	0 1	15 0	1 42	29 25	16 11	5 29	5 8	26 39		n.a.
T 8	23 34	0 28	0s55	24 47	1 48	14 54	0 36	7 36	0 18	23 50	0 11	13 9	2 18	20 41	0 1	15 0	1 42	29 25	16 12	5 29	5 10	26 40		n.a.
F 9	23 30	5s32	1 59	24 33	1 47	14 28	0 32	7 21	0 17	23 51	0 11	13 10	2 18	20 41	0 1	15 0	1 42	29 26	16 12	5 29	5 11	26 41		n.a.
S 10	23 26	11 12	2 55	24 17	1 46	14 2	0 28	7 5	0 16	23 51	0 11	13 11	2 18	20 42	0 1	14 59	1 42	29 26	16 12	5 29	5 12	26 43		n.a.
S 11	23 22	16 21	3 43	23 58	1 44	13 36	0 23	6 49	0 15	23 52	0 11	13 12	2 19	20 43	0 1	14 59	1 42	29 27	16 12	5 30	5 13	26 44		n.a.
M12	23 17	20 50	4 21	23 38	1 41	13 10	0 19	6 34	0 14	23 52	0 11	13 13	2 19	20 43	0 1	14 59	1 42	29 27	16 13	5 32	5 15	26 45		n.a.
T 13	23 12	24 29	4 47	23 17	1 38	12 43	0 14	6 18	0 13	23 53	0 11	13 14	2 19	20 44	0 1	14 59	1 42	29 28	16 13	5 35	5 16	26 47		n.a.
W14	23 6	27 5	5 1	22 53	1 35	12 16	0 9	6 2	0 12	23 53	0 11	13 15	2 19	20 44	0 1	14 59	1 42	29 28	16 13	5 38	5 17	26 48		n.a.
T 15	23 0	28 29	5 2	22 29	1 31	11 49	0 4	5 46	0 11	23 54	0 11	13 16	2 20	20 45	0 1	14 59	1 42	29 29	16 13	5 43	5 18	26 49		n.a.
F 16	22 54	28 33	4 49	22 3	1 27	11 22	0s 1	5 30	0 10	23 55	0 11	13 17	2 20	20 46	0 1	14 58	1 42	29 30	16 14	5 47	5 20	26 51		n.a.
S 17	22 47	27 15	4 23	21 36	1 22	10 54	0 6	5 14	0 9	23 55	0 12	13 18	2 20	20 46	0 1	14 58	1 42	29 30	16 14	5 51	5 21	26 52		n.a.
S 18	22 40	24 38	3 45	21 7	1 17	10 27	0 11	4 57	0 8	23 55	0 12	13 19	2 20	20 47	0 1	14 58	1 42	29 31	16 14	5 55	5 22	26 53		n.a.
M19	22 32	20 50	2 56	20 38	1 12	9 59	0 16	4 41	0 7	23 56	0 12	13 20	2 21	20 47	0 1	14 58	1 42	29 31	16 14	5 58	5 23	26 54		n.a.
T 20	22 24	16 4	1 57	20 8	1 6	9 31	0 22	4 25	0 6	23 56	0 12	13 22	2 21	20 48	0 1	14 58	1 42	29 32	16 15	6 0	5 25	26 56		n.a.
W21	22 16	10 32	0 52	19 37	1 0	9 3	0 27	4 9	0 6	23 57	0 12	13 23	2 21	20 48	0 1	14 58	1 41	29 32	16 15	6 1	5 26	26 57		n.a.
T 22	22 7	4 28	0n17	19 5	0 54	8 35	0 33	3 52	0 5	23 57	0 12	13 24	2 21	20 49	0 1	14 58	1 41	29 33	16 15	6 1	5 27	26 58		n.a.
F 23	21 58	1n54	1 27	18 32	0 47	8 6	0 39	3 36	0 4	23 58	0 12	13 25	2 22	20 50	0 1	14 58	1 41	29 33	16 15	6 1	5 28	27 0		n.a.
S 24	21 48	8 19	2 34	17 59	0 40	7 38	0 44	3 19	0 3	23 58	0 12	13 27	2 22	20 50	0 1	14 58	1 41	29 34	16 15	6 0	5 30	27 1		n.a.
S 25	21 38	14 28	3 33	17 25	0 33	7 9	0 50	3 2	0 2	23 58	0 12	13 28	2 22	20 51	0 1	14 58	1 41	29 34	16 16	6 0	5 31	27 2		n.a.
M26	21 28	20 2	4 21	16 51	0 26	6 40	0 56	2 46	0 1	23 58	0 13	13 30	2 22	20 51	0 1	14 58	1 41	29 35	16 16	6 1	5 32	27 3		n.a.
T 27	21 17	24 34	4 53	16 16	0 19	6 12	1 2	2 29	0s 0	23 59	0 13	13 31	2 22	20 52	0 1	14 58	1 41	29 36	16 16	6 2	5 33	27 5		n.a.
W28	21 6	27 36	5 7	15 41	0 11	5 43	1 8	2 12	0 1	23 59	0 13	13 32	2 23	20 52	0 1	14 58	1 41	29 36	16 16	6 4	5 35	27 6		n.a.
T 29	20 54	28 45	5 1	15 6	0 3	5 14	1 15	1 55	0 2	23 59	0 13	13 34	2 23	20 53	0 1	14 58	1 41	29 37	16 16	6 7	5 36	27 7		n.a.
F 30	20 42	27 49	4 34	14 31	0s 5	4 45	1 21	1 38	0 3	23 59	0 13	13 35	2 23	20 53	0 1	14 58	1 41	29 37	16 17	6 9	5 37	27 8		n.a.
S 31	20n30	24n56	3n50	13n55	0s13	4n16	1s27	1n21	0s 4	24n 0	0n13	13s37	2s23	20n54	0s 1	14s58	1n41	29s38	16s17	6s12	5s38	27s 9		n.a.

Julian Day Number = 1482000.5, Delta T = 05h21m55s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'36, Lahiri = -13°00'35 Julian Calendar 1 July 656 BCE == Greg. Calendar 24 June 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

AUGUST 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 9 53	0♌39'12	10♌49	24♌10	16♍57	27♍10	29♊29	0°R37	2♊18	15°R 1	22°R 3	14°R22	15♓50	9♐ 7	n.a.	S 1
M 2	20 13 50	1°37'27	24°58	25°32	17°55	27°50	29°41	0♓33	2°20	15♏ 0	22♒ 2	14♓19	15°47	9°14	n.a.	M 2
T 3	20 17 46	2°35'45	8♍42	26°53	18°52	28°30	29°54	0°29	2°22	15° 0	22° 1	14°D17	15°44	9°21	n.a.	T 3
W 4	20 21 43	3°34'04	22° 1	28°13	19°50	29°11	0♋ 6	0°25	2°25	15°D 0	22° 0	14°17	15°41	9°28	n.a.	W 4
T 5	20 25 39	4°32'25	4♎56	29°31	20°46	29°51	0°18	0°21	2°27	15° 0	21°59	14°18	15°38	9°34	n.a.	T 5
F 6	20 29 36	5°30'47	17°29	0♍47	21°43	0♎32	0°30	0°17	2°29	15° 0	21°58	14°20	15°34	9°41	n.a.	F 6
S 7	20 33 32	6°29'11	29°45	2° 2	22°38	1°13	0°42	0°13	2°31	15° 1	21°57	14°21	15°31	9°48	n.a.	S 7
S 8	20 37 29	7°27'37	11♏48	3°15	23°34	1°53	0°54	0° 9	2°33	15° 1	21°55	14°R21	15°28	9°54	n.a.	S 8
M 9	20 41 26	8°26'05	23°44	4°26	24°29	2°34	1° 6	0° 5	2°35	15° 1	21°54	14°20	15°25	10° 1	n.a.	M 9
T 10	20 45 22	9°24'35	5♐36	5°35	25°23	3°15	1°17	0° 0	2°37	15° 1	21°53	14°17	15°22	10° 8	n.a.	T 10
W11	20 49 19	10°23'06	17°30	6°42	26°17	3°56	1°29	29♒56	2°38	15° 1	21°52	14°13	15°18	10°15	n.a.	W11
T 12	20 53 15	11°21'39	29°29	7°47	27°10	4°38	1°41	29°52	2°40	15° 1	21°51	14° 7	15°15	10°21	n.a.	T 12
F 13	20 57 12	12°20'14	11♑36	8°50	28° 2	5°19	1°52	29°47	2°42	15° 2	21°50	14° 2	15°12	10°28	n.a.	F 13
S 14	21 1 8	13°18'51	23°52	9°50	28°54	6° 0	2° 4	29°43	2°44	15° 2	21°48	13°56	15° 9	10°35	n.a.	S 14
S 15	21 5 5	14°17'30	6♒21	10°48	29°45	6°42	2°15	29°39	2°45	15° 2	21°47	13°52	15° 6	10°42	n.a.	S 15
M16	21 9 1	15°16'11	19° 2	11°43	0♎36	7°23	2°27	29°34	2°47	15° 3	21°46	13°48	15° 3	10°48	n.a.	M16
T 17	21 12 58	16°14'54	1♓55	12°35	1°26	8° 5	2°38	29°29	2°49	15° 3	21°45	13°46	14°59	10°55	n.a.	T 17
W18	21 16 55	17°13'39	15° 2	13°24	2°15	8°47	2°49	29°25	2°50	15° 4	21°44	13°D46	14°56	11° 2	n.a.	W18
T 19	21 20 51	18°12'26	28°20	14° 9	3° 4	9°29	3° 0	29°20	2°52	15° 4	21°42	13°46	14°53	11° 8	n.a.	T 19
F 20	21 24 48	19°11'16	11♈51	14°51	3°51	10°10	3°11	29°16	2°53	15° 5	21°41	13°48	14°50	11°15	n.a.	F 20
S 21	21 28 44	20°10'08	25°33	15°28	4°38	10°52	3°22	29°11	2°54	15° 5	21°40	13°49	14°47	11°22	n.a.	S 21
S 22	21 32 41	21° 9'02	9♉27	16° 1	5°24	11°34	3°33	29° 6	2°56	15° 6	21°39	13°50	14°44	11°29	n.a.	S 22
M23	21 36 37	22° 7'59	23°32	16°30	6° 9	12°17	3°44	29° 2	2°57	15° 6	21°38	13°R51	14°40	11°35	n.a.	M23
T 24	21 40 34	23° 6'59	7♊46	16°53	6°54	12°59	3°55	28°57	2°58	15° 7	21°36	13°50	14°37	11°42	n.a.	T 24
W25	21 44 30	24° 6'01	22° 7	17°11	7°37	13°41	4° 5	28°52	2°59	15° 8	21°35	13°49	14°34	11°49	n.a.	W25
T 26	21 48 27	25° 5'05	6♋31	17°23	8°19	14°24	4°16	28°47	3° 1	15° 8	21°34	13°47	14°31	11°56	n.a.	T 26
F 27	21 52 23	26° 4'12	20°55	17°R29	9° 1	15° 6	4°27	28°43	3° 2	15° 9	21°33	13°44	14°28	12° 2	n.a.	F 27
S 28	21 56 20	27° 3'21	5♌12	17°28	9°41	15°49	4°37	28°38	3° 3	15°10	21°32	13°42	14°24	12° 9	n.a.	S 28
S 29	22 0 17	28° 2'32	19°19	17°19	10°20	16°31	4°47	28°33	3° 4	15°11	21°30	13°40	14°21	12°16	n.a.	S 29
M30	22 4 13	29° 1'46	3♍10	17° 4	10°58	17°14	4°57	28°28	3° 5	15°11	21°29	13°39	14°18	12°22	n.a.	M30
T 31	22 8 10	0♍ 1'01	16♍43	16♍40	11♎35	17♎57	5♋ 8	28♒24	3♊ 5	15♏12	21♒28	13°D39	14♓15	12♐29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	20n18	20n30	2n51	13n19	0s21	3n47	1s34	1n 4	0s 5	24n 0	0n13	13s38	2s23	20n54	0s 1	14s58	1n41	29s38	16s17	6s14	5s40	27s11					n.a.
M 2	20 5	14 59	1 43	12 43	0 30	3 18	1 40	0 47	0 5	24 0	0 13	13 40	2 24	20 54	0 1	14 58	1 41	29 39	16 17	6 16	5 41	27 12					n.a.
T 3	19 51	8 53	0 30	12 8	0 38	2 50	1 47	0 30	0 6	24 0	0 14	13 42	2 24	20 55	0 1	14 58	1 41	29 39	16 17	6 16	5 42	27 13					n.a.
W 4	19 38	2 34	0s42	11 32	0 47	2 21	1 54	0 13	0 7	24 0	0 14	13 43	2 24	20 55	0 1	14 58	1 41	29 40	16 17	6 16	5 43	27 14					n.a.
T 5	19 24	3s40	1 50	10 56	0 55	1 52	2 0	0s 4	0 8	24 0	0 14	13 45	2 24	20 56	0 1	14 58	1 41	29 40	16 17	6 16	5 45	27 15					n.a.
F 6	19 9	9 35	2 50	10 21	1 4	1 23	2 7	0 21	0 9	24 0	0 14	13 46	2 24	20 56	0 1	14 58	1 40	29 41	16 18	6 15	5 46	27 16					n.a.
S 7	18 55	14 59	3 42	9 46	1 13	0 55	2 14	0 38	0 10	24 1	0 14	13 48	2 24	20 57	0 1	14 58	1 40	29 41	16 18	6 15	5 47	27 17					n.a.
S 8	18 40	19 45	4 23	9 11	1 22	0 26	2 21	0 56	0 11	24 1	0 14	13 50	2 25	20 57	0 1	14 58	1 40	29 42	16 18	6 15	5 48	27 19					n.a.
M 9	18 25	23 40	4 51	8 37	1 31	0s 2	2 28	1 13	0 12	24 1	0 14	13 51	2 25	20 57	0 1	14 58	1 40	29 42	16 18	6 15	5 50	27 20					n.a.
T 10	18 9	26 35	5 8	8 3	1 39	0 31	2 35	1 30	0 12	24 1	0 14	13 53	2 25	20 58	0 1	14 58	1 40	29 43	16 18	6 16	5 51	27 21					n.a.
W11	17 53	28 20	5 11	7 30	1 48	0 59	2 42	1 47	0 13	24 1	0 15	13 55	2 25	20 58	0 1	14 59	1 40	29 43	16 18	6 18	5 52	27 22					n.a.
T 12	17 37	28 47	5 0	6 58	1 57	1 27	2 50	2 5	0 14	24 1	0 15	13 56	2 25	20 59	0 1	14 59	1 40	29 44	16 18	6 20	5 53	27 23					n.a.
F 13	17 20	27 51	4 36	6 26	2 6	1 54	2 57	2 22	0 15	24 1	0 15	13 58	2 25	20 59	0 1	14 59	1 40	29 44	16 18	6 22	5 55	27 24					n.a.
S 14	17 4	25 33	3 59	5 55	2 14	2 22	3 4	2 39	0 16	24 1	0 15	14 0	2 26	20 59	0 1	14 59	1 40	29 45	16 18	6 24	5 56	27 25					n.a.
S 15	16 46	22 1	3 10	5 25	2 23	2 49	3 12	2 57	0 17	24 1	0 15	14 2	2 26	21 0	0 1	14 59	1 40	29 45	16 18	6 26	5 57	27 26					n.a.
M16	16 29	17 24	2 11	4 57	2 31	3 17	3 19	3 14	0 17	24 0	0 15	14 3	2 26	21 0	0 1	14 59	1 40	29 46	16 18	6 27	5 58	27 27					n.a.
T 17	16 11	11 56	1 4	4 29	2 39	3 44	3 26	3 32	0 18	24 0	0 15	14 5	2 26	21 0	0 1	14 59	1 40	29 46	16 18	6 28	6 0	27 28					n.a.
W18	15 53	5 52	0n 7	4 3	2 47	4 10	3 34	3 49	0 19	24 0	0 15	14 7	2 26	21 1	0 1	15 0	1 40	29 47	16 19	6 28	6 1	27 30					n.a.
T 19	15 35	0n32	1 19	3 38	2 55	4 37	3 41	4 6	0 20	24 0	0 16	14 8	2 26	21 1	0 1	15 0	1 40	29 47	16 19	6 28	6 2	27 31					n.a.
F 20	15 17	7 1	2 28	3 15	3 2	5 3	3 49	4 24	0 21	24 0	0 16	14 10	2 26	21 1	0 1	15 0	1 40	29 48	16 19	6 28	6 3	27 32					n.a.
S 21	14 58	13 16	3 30	2 54	3 9	5 29	3 57	4 41	0 21	24 0	0 16	14 12	2 26	21 1	0 1	15 0	1 40	29 48	16 19	6 27	6 5	27 33					n.a.
S 22	14 39	18 56	4 20	2 35	3 16	5 54	4 4	4 59	0 22	24 0	0 16	14 14	2 26	21 2	0 1	15 1	1 39	29 49	16 19	6 27	6 6	27 34					n.a.
M23	14 20	23 40	4 55	2 19	3 22	6 19	4 12	5 16	0 23	24 0	0 16	14 15	2 27	21 2	0 1	15 1	1 39	29 49	16 19	6 26	6 7	27 35					n.a.
T 24	14 0	27 3	5 13	2 4	3 27	6 44	4 19	5 34	0 24	23 59	0 16	14 17	2 27	21 2	0 1	15 1	1 39	29 49	16 19	6 27	6 8	27 36					n.a.
W25	13 40	28 43	5 11	1 53	3 32	7 8	4 27	5 51	0 24	23 59	0 16	14 19	2 27	21 2	0 1	15 1	1 39	29 50	16 19	6 27	6 10	27 37					n.a.
T 26	13 21	28 27	4 50	1 45	3 36	7 32	4 35	6 8	0 25	23 59	0 17	14 21	2 27	21 3	0 1	15 2	1 39	29 50	16 19	6 28	6 11	27 38					n.a.
F 27	13 0	26 15	4 11	1 39	3 39	7 56	4 42	6 26	0 26	23 59	0 17	14 23	2 27	21 3	0 1	15 2	1 39	29 51	16 19	6 29	6 12	27 39					n.a.
S 28	12 40	22 24	3 16	1 38	3 41	8 19	4 50	6 43	0 27	23 59	0 17	14 24	2 27	21 3	0 1	15 2	1 39	29 51	16 19	6 30	6 13	27 40					n.a.
S 29	12 19	17 18	2 10	1 40	3 42	8 42	4 57	7 0	0 27	23 58	0 17	14 26	2 27	21 3	0 1	15 2	1 39	29 52	16 19	6 31	6 15	27 41					n.a.
M30	11 58	11 23	0 58	1 47	3 42	9 4	5 5	7 18	0 28	23 58	0 17	14 28	2 27	21 3	0 1	15 3	1 39	29 52	16 19	6 31	6 16	27 42					n.a.
T 31	11n37	5n 3	0s17	1n57	3s41	9s25	5s13	7s35	0s29	23n58	0n17	14s29	2s27	21n 4	0s 1	15s 3	1n39	29s52	16s19	6s31	6s17	27s42					n.a.

Julian Day Number = 1482031.5, Delta T = 05h21m54s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'31, Lahiri = -13°00'31 Julian Calendar 1 Aug. 656 BCE == Greg. Calendar 25 July 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

SEPTEMBER 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 12 6	1♍ 0'18	29♍55	16°R 9	12♎11	18♎40	5♋17	28°R19	3♊ 6	15♏13	21°R27	13♓39	14♓12	12♐36	n.a.	W 1
T 2	22 16 3	1°59'38	12♎48	15♍29	12°45	19°23	5°27	28♒14	3° 7	15°14	21♒26	13°40	14° 9	12°43	n.a.	T 2
F 3	22 19 59	2°59'00	25°21	14°43	13°18	20° 6	5°37	28° 9	3° 8	15°15	21°24	13°41	14° 5	12°49	n.a.	F 3
S 4	22 23 56	3°58'23	7♏39	13°49	13°50	20°49	5°47	28° 5	3° 8	15°16	21°23	13°42	14° 2	12°56	n.a.	S 4
S 5	22 27 52	4°57'49	19°44	12°48	14°20	21°32	5°56	28° 0	3° 9	15°17	21°22	13°43	13°59	13° 3	n.a.	S 5
M 6	22 31 49	5°57'16	1♐40	11°43	14°49	22°16	6° 6	27°55	3°10	15°18	21°21	13°R43	13°56	13° 9	n.a.	M 6
T 7	22 35 46	6°56'45	13°34	10°33	15°16	22°59	6°15	27°51	3°10	15°19	21°20	13°43	13°53	13°16	n.a.	T 7
W 8	22 39 42	7°56'17	25°28	9°21	15°41	23°43	6°25	27°46	3°10	15°20	21°18	13°43	13°50	13°23	n.a.	W 8
T 9	22 43 39	8°55'50	7♑28	8° 9	16° 5	24°26	6°34	27°41	3°11	15°21	21°17	13°43	13°46	13°30	n.a.	T 9
F 10	22 47 35	9°55'25	19°37	6°58	16°27	25°10	6°43	27°37	3°11	15°23	21°16	13°42	13°43	13°36	n.a.	F 10
S 11	22 51 32	10°55'02	2♒ 0	5°52	16°47	25°53	6°52	27°32	3°12	15°24	21°15	13°42	13°40	13°43	n.a.	S 11
S 12	22 55 28	11°54'41	14°38	4°50	17° 5	26°37	7° 0	27°27	3°12	15°25	21°14	13°41	13°37	13°50	n.a.	S 12
M13	22 59 25	12°54'22	27°34	3°57	17°21	27°21	7° 9	27°23	3°12	15°26	21°13	13°41	13°34	13°57	n.a.	M13
T 14	23 3 21	13°54'04	10♓47	3°12	17°36	28° 5	7°18	27°19	3°12	15°27	21°12	13°41	13°30	14° 3	n.a.	T 14
W15	23 7 18	14°53'49	24°17	2°38	17°48	28°49	7°26	27°14	3°12	15°29	21°11	13°41	13°27	14°10	n.a.	W15
T 16	23 11 14	15°53'36	8♈ 3	2°14	17°58	29°33	7°34	27°10	3°R12	15°30	21°10	13°41	13°24	14°17	n.a.	T 16
F 17	23 15 11	16°53'26	22° 0	2° 2	18° 6	0♏17	7°43	27° 5	3°12	15°31	21° 8	13°41	13°21	14°23	n.a.	F 17
S 18	23 19 8	17°53'17	6♉ 7	2°D 1	18°12	1° 1	7°51	27° 1	3°12	15°33	21° 7	13°40	13°18	14°30	n.a.	S 18
S 19	23 23 4	18°53'11	20°19	2°11	18°15	1°45	7°59	26°57	3°12	15°34	21° 6	13°40	13°15	14°37	n.a.	S 19
M20	23 27 1	19°53'07	4♊34	2°31	18°R16	2°30	8° 6	26°53	3°12	15°36	21° 5	13°39	13°11	14°44	n.a.	M20
T 21	23 30 57	20°53'06	18°48	3° 2	18°15	3°14	8°14	26°48	3°11	15°37	21° 4	13°D39	13° 8	14°50	n.a.	T 21
W22	23 34 54	21°53'07	2♋58	3°41	18°11	3°59	8°22	26°44	3°11	15°39	21° 3	13°39	13° 5	14°57	n.a.	W22
T 23	23 38 50	22°53'10	17° 3	4°29	18° 5	4°43	8°29	26°40	3°11	15°40	21° 2	13°40	13° 2	15° 4	n.a.	T 23
F 24	23 42 47	23°53'16	1♌ 1	5°25	17°57	5°28	8°36	26°36	3°10	15°42	21° 1	13°41	12°59	15°11	n.a.	F 24
S 25	23 46 43	24°53'24	14°50	6°27	17°46	6°12	8°43	26°33	3°10	15°43	21° 0	13°42	12°56	15°17	n.a.	S 25
S 26	23 50 40	25°53'33	28°28	7°35	17°32	6°57	8°50	26°29	3° 9	15°45	20°59	13°42	12°52	15°24	n.a.	S 26
M27	23 54 37	26°53'45	11♍54	8°47	17°17	7°42	8°57	26°25	3° 9	15°47	20°58	13°R43	12°49	15°31	n.a.	M27
T 28	23 58 33	27°53'59	25° 7	10° 5	16°59	8°27	9° 4	26°21	3° 8	15°48	20°57	13°43	12°46	15°37	n.a.	T 28
W29	0 2 30	28°54'15	8♎ 4	11°26	16°39	9°12	9°10	26°18	3° 7	15°50	20°56	13°42	12°43	15°44	n.a.	W29
T 30	0 6 26	29♍54'33	20♎47	12♍50	16♎16	9♏57	9♋17	26♒14	3♊ 7	15♏52	20♒56	13♓40	12♓40	15♐51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	11n16	1s19	1s29	2n13	3s37	9s46	5s20	7s52	0s30	23n58	0n17	14s31	2s27	21n 4	0s 1	15s 3	1n39	29s53	16s19	6s31	6s18	27s43		n.a.
T 2	10 55	7 29	2 34	2 32	3 32	10 7	5 28	8 9	0 30	23 57	0 18	14 33	2 27	21 4	0 1	15 4	1 39	29 53	16 18	6 31	6 19	27 44		n.a.
F 3	10 33	13 12	3 31	2 57	3 25	10 27	5 35	8 27	0 31	23 57	0 18	14 35	2 27	21 4	0 1	15 4	1 39	29 53	16 18	6 30	6 21	27 45		n.a.
S 4	10 11	18 17	4 16	3 26	3 17	10 46	5 42	8 44	0 32	23 57	0 18	14 36	2 27	21 4	0 1	15 4	1 39	29 54	16 18	6 30	6 22	27 46		n.a.
S 5	9 49	22 33	4 49	3 59	3 6	11 5	5 49	9 1	0 33	23 57	0 18	14 38	2 27	21 4	0 1	15 5	1 39	29 54	16 18	6 29	6 23	27 47		n.a.
M 6	9 27	25 50	5 10	4 36	2 53	11 22	5 57	9 18	0 33	23 56	0 18	14 40	2 27	21 5	0 1	15 5	1 39	29 54	16 18	6 29	6 24	27 48		n.a.
T 7	9 5	27 59	5 17	5 17	2 38	11 40	6 4	9 35	0 34	23 56	0 18	14 41	2 27	21 5	0 1	15 5	1 38	29 55	16 18	6 29	6 26	27 49		n.a.
W 8	8 43	28 52	5 10	5 59	2 22	11 56	6 10	9 52	0 35	23 56	0 19	14 43	2 27	21 5	0 1	15 6	1 38	29 55	16 18	6 29	6 27	27 50		n.a.
T 9	8 20	28 23	4 50	6 43	2 4	12 11	6 17	10 9	0 35	23 55	0 19	14 45	2 27	21 5	0 0	15 6	1 38	29 55	16 18	6 30	6 28	27 51		n.a.
F 10	7 57	26 33	4 17	7 27	1 45	12 26	6 24	10 26	0 36	23 55	0 19	14 46	2 27	21 5	0 0	15 7	1 38	29 56	16 18	6 30	6 29	27 52		n.a.
S 11	7 34	23 25	3 31	8 10	1 25	12 40	6 30	10 42	0 37	23 55	0 19	14 48	2 27	21 5	0 0	15 7	1 38	29 56	16 18	6 30	6 31	27 52		n.a.
S 12	7 11	19 8	2 34	8 52	1 5	12 53	6 36	10 59	0 37	23 54	0 19	14 49	2 27	21 5	0 0	15 7	1 38	29 56	16 18	6 30	6 32	27 53		n.a.
M13	6 48	13 52	1 28	9 31	0 44	13 5	6 42	11 16	0 38	23 54	0 19	14 51	2 27	21 5	0 0	15 8	1 38	29 57	16 18	6 30	6 33	27 54		n.a.
T 14	6 25	7 52	0 16	10 6	0 24	13 16	6 48	11 32	0 39	23 54	0 20	14 52	2 27	21 5	0 0	15 8	1 38	29 57	16 17	6 30	6 34	27 55		n.a.
W15	6 2	1 24	0n58	10 36	0 5	13 25	6 53	11 49	0 39	23 54	0 20	14 54	2 27	21 5	0 0	15 9	1 38	29 57	16 17	6 30	6 36	27 56		n.a.
T 16	5 38	5n14	2 11	11 2	0n14	13 34	6 59	12 5	0 40	23 53	0 20	14 56	2 27	21 5	0 0	15 9	1 38	29 57	16 17	6 30	6 37	27 57		n.a.
F 17	5 15	11 43	3 17	11 23	0 31	13 42	7 3	12 22	0 40	23 53	0 20	14 57	2 27	21 5	0 0	15 10	1 38	29 58	16 17	6 30	6 38	27 57		n.a.
S 18	4 51	17 41	4 11	11 38	0 47	13 48	7 8	12 38	0 41	23 53	0 20	14 58	2 27	21 5	0 0	15 10	1 38	29 58	16 17	6 30	6 39	27 58		n.a.
S 19	4 27	22 44	4 51	11 48	1 1	13 53	7 12	12 54	0 42	23 52	0 20	15 0	2 27	21 5	0 0	15 10	1 38	29 58	16 17	6 31	6 41	27 59		n.a.
M20	4 4	26 28	5 13	11 52	1 14	13 57	7 16	13 10	0 42	23 52	0 21	15 1	2 27	21 5	0 0	15 11	1 38	29 58	16 16	6 31	6 42	28 0		n.a.
T 21	3 40	28 32	5 15	11 52	1 25	14 0	7 19	13 26	0 43	23 52	0 21	15 3	2 27	21 5	0 0	15 11	1 38	29 58	16 16	6 31	6 43	28 1		n.a.
W22	3 16	28 43	4 59	11 46	1 35	14 1	7 22	13 42	0 44	23 51	0 21	15 4	2 27	21 5	0 0	15 12	1 38	29 59	16 16	6 31	6 44	28 1		n.a.
T 23	2 52	27 3	4 25	11 36	1 43	14 0	7 24	13 58	0 44	23 51	0 21	15 5	2 27	21 5	0 0	15 12	1 38	29 59	16 16	6 31	6 45	28 2		n.a.
F 24	2 28	23 42	3 35	11 22	1 50	13 59	7 26	14 14	0 45	23 51	0 21	15 7	2 27	21 5	0 0	15 13	1 38	29 59	16 16	6 30	6 47	28 3		n.a.
S 25	2 3	19 3	2 33	11 4	1 56	13 56	7 27	14 29	0 45	23 50	0 21	15 8	2 26	21 5	0 0	15 13	1 38	29 59	16 16	6 30	6 48	28 4		n.a.
S 26	1 39	13 28	1 23	10 42	2 0	13 51	7 28	14 45	0 46	23 50	0 22	15 9	2 26	21 5	0 0	15 14	1 37	29 59	16 15	6 30	6 49	28 4		n.a.
M27	1 15	7 21	0 10	10 17	2 3	13 45	7 28	15 0	0 46	23 50	0 22	15 10	2 26	21 5	0 0	15 14	1 37	29 59	16 15	6 30	6 50	28 5		n.a.
T 28	0 51	1 1	1s 3	9 50	2 6	13 37	7 27	15 16	0 47	23 50	0 22	15 12	2 26	21 4	0 0	15 15	1 37	30 0	16 15	6 30	6 52	28 6		n.a.
W29	0 27	5s14	2 10	9 20	2 7	13 28	7 25	15 31	0 48	23 49	0 22	15 13	2 26	21 4	0 0	15 15	1 37	30 0	16 15	6 30	6 53	28 6		n.a.
T 30	0n 2	11s10	3s11	8n47	2n 7	13s17	7s23	15s46	0s48	23n49	0n22	15s14	2s26	21n 4	0s 0	15s16	1n37	30s 0	16s15	6s31	6s54	28s 7		n.a.

Julian Day Number = 1482062.5, Delta T = 05h21m52s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'27, Lahiri = -13°00'27 Julian Calendar 1 Sept. 656 BCE == Greg. Calendar 25 Aug. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

OCTOBER 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 10 23	0♎54'52	3♏16	14♍16	15°R52	10♏42	9♋23	26°R11	3°R 6	15♏53	20°R55	13°R37	12♓36	15♐58	n.a.	F 1
S 2	0 14 19	1°55'13	15°31	15°45	15♎25	11°27	9°29	26♒ 7	3♊ 5	15°55	20♒54	13♓34	12°33	16° 4	n.a.	S 2
S 3	0 18 16	2°55'36	27°35	17°16	14°57	12°12	9°35	26° 4	3° 4	15°57	20°53	13°31	12°30	16°11	n.a.	S 3
M 4	0 22 12	3°56'01	9♐31	18°48	14°27	12°57	9°40	26° 1	3° 3	15°59	20°52	13°29	12°27	16°18	n.a.	M 4
T 5	0 26 9	4°56'27	21°24	20°21	13°55	13°42	9°46	25°57	3° 2	16° 0	20°51	13°27	12°24	16°24	n.a.	T 5
W 6	0 30 6	5°56'55	3♑17	21°55	13°22	14°28	9°51	25°54	3° 1	16° 2	20°50	13°D26	12°21	16°31	n.a.	W 6
T 7	0 34 2	6°57'24	15°14	23°30	12°48	15°13	9°57	25°51	3° 0	16° 4	20°50	13°26	12°17	16°38	n.a.	T 7
F 8	0 37 59	7°57'54	27°22	25° 5	12°13	15°59	10° 2	25°48	2°59	16° 6	20°49	13°28	12°14	16°45	n.a.	F 8
S 9	0 41 55	8°58'26	9♒44	26°41	11°37	16°44	10° 7	25°46	2°58	16° 8	20°48	13°29	12°11	16°51	n.a.	S 9
S 10	0 45 52	9°59'00	22°25	28°17	11° 0	17°30	10°11	25°43	2°57	16°10	20°47	13°31	12° 8	16°58	n.a.	S 10
M11	0 49 48	10°59'35	5♓28	29°54	10°24	18°15	10°16	25°40	2°55	16°12	20°47	13°32	12° 5	17° 5	n.a.	M11
T 12	0 53 45	12° 0'11	18°54	1♎30	9°48	19° 1	10°20	25°38	2°54	16°14	20°46	13°R32	12° 1	17°12	n.a.	T 12
W13	0 57 41	13° 0'49	2♈43	3° 6	9°11	19°47	10°25	25°35	2°53	16°16	20°45	13°31	11°58	17°18	n.a.	W13
T 14	1 1 38	14° 1'28	16°54	4°43	8°36	20°32	10°29	25°33	2°51	16°17	20°45	13°28	11°55	17°25	n.a.	T 14
F 15	1 5 34	15° 2'09	1♉21	6°19	8° 1	21°18	10°32	25°31	2°50	16°19	20°44	13°24	11°52	17°32	n.a.	F 15
S 16	1 9 31	16° 2'51	15°58	7°55	7°27	22° 4	10°36	25°29	2°48	16°21	20°43	13°19	11°49	17°38	n.a.	S 16
S 17	1 13 28	17° 3'35	0♊38	9°31	6°55	22°50	10°40	25°27	2°47	16°23	20°43	13°14	11°46	17°45	n.a.	S 17
M18	1 17 24	18° 4'21	15°14	11° 7	6°24	23°36	10°43	25°25	2°45	16°26	20°42	13° 9	11°42	17°52	n.a.	M18
T 19	1 21 21	19° 5'09	29°41	12°43	5°55	24°22	10°46	25°23	2°44	16°28	20°42	13° 6	11°39	17°59	n.a.	T 19
W20	1 25 17	20° 5'58	13♋55	14°19	5°27	25° 8	10°49	25°21	2°42	16°30	20°41	13°D 5	11°36	18° 5	n.a.	W20
T 21	1 29 14	21° 6'50	27°53	15°54	5° 2	25°54	10°52	25°19	2°40	16°32	20°41	13° 5	11°33	18°12	n.a.	T 21
F 22	1 33 10	22° 7'42	11♌36	17°29	4°39	26°40	10°55	25°18	2°39	16°34	20°40	13° 6	11°30	18°19	n.a.	F 22
S 23	1 37 7	23° 8'36	25° 4	19° 5	4°18	27°27	10°57	25°16	2°37	16°36	20°40	13° 7	11°27	18°26	n.a.	S 23
S 24	1 41 4	24° 9'32	8♍18	20°40	3°59	28°13	10°59	25°15	2°35	16°38	20°39	13°R 9	11°23	18°32	n.a.	S 24
M25	1 45 0	25°10'29	21°19	22°15	3°42	28°59	11° 1	25°14	2°33	16°40	20°39	13° 8	11°20	18°39	n.a.	M25
T 26	1 48 57	26°11'28	4♎ 8	23°49	3°28	29°45	11° 3	25°13	2°31	16°42	20°39	13° 6	11°17	18°46	n.a.	T 26
W27	1 52 53	27°12'28	16°47	25°24	3°17	0♐32	11° 5	25°12	2°29	16°45	20°38	13° 2	11°14	18°52	n.a.	W27
T 28	1 56 50	28°13'29	29°15	26°59	3° 8	1°18	11° 6	25°11	2°27	16°47	20°38	12°55	11°11	18°59	n.a.	T 28
F 29	2 0 46	29°14'31	11♏33	28°33	3° 1	2° 5	11° 7	25°10	2°25	16°49	20°37	12°47	11° 7	19° 6	n.a.	F 29
S 30	2 4 43	0♏15'34	23°42	0♏ 7	2°57	2°51	11° 9	25° 9	2°23	16°51	20°37	12°37	11° 4	19°13	n.a.	S 30
S 31	2 8 39	1♏16'38	5♐43	1♏42	2°D56	3♐38	11♋ 9	25♒ 9	2♊21	16♏53	20♒37	12♓27	11♓ 1	19♐19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s22	16s32	4s 0	8n13	2n 6	13s 4	7s20	16s 1	0s49	23n49	0n22	15s15	2s26	21n 4	0s 0	15s17	1n37	30s 0	16s14	6s32	6s55	28s 8		n.a.
S 2	0 46	21 8	4 38	7 37	2 5	12 50	7 16	16 15	0 49	23 49	0 23	15 16	2 26	21 4	0 0	15 17	1 37	30 0	16 14	6 33	6 57	28 9		n.a.
S 3	1 11	24 48	5 3	6 59	2 3	12 35	7 12	16 30	0 50	23 48	0 23	15 17	2 26	21 4	0 0	15 18	1 37	30 0	16 14	6 34	6 58	28 9		n.a.
M 4	1 35	27 21	5 14	6 20	2 1	12 18	7 6	16 45	0 50	23 48	0 23	15 18	2 25	21 4	0 0	15 18	1 37	30 0	16 14	6 35	6 59	28 10		n.a.
T 5	1 59	28 40	5 12	5 40	1 57	11 59	7 0	16 59	0 51	23 48	0 23	15 19	2 25	21 3	0 0	15 19	1 37	30 0	16 13	6 36	7 0	28 11		n.a.
W 6	2 24	28 40	4 56	4 59	1 54	11 40	6 53	17 13	0 51	23 48	0 23	15 20	2 25	21 3	0 0	15 19	1 37	30 0	16 13	6 36	7 1	28 11		n.a.
T 7	2 48	27 19	4 28	4 18	1 50	11 19	6 45	17 27	0 52	23 47	0 24	15 21	2 25	21 3	0 0	15 20	1 37	30 0	16 13	6 36	7 3	28 12		n.a.
F 8	3 12	24 41	3 47	3 35	1 45	10 57	6 36	17 41	0 52	23 47	0 24	15 22	2 25	21 3	0 0	15 21	1 37	30 0	16 13	6 35	7 4	28 13		n.a.
S 9	3 36	20 52	2 55	2 52	1 41	10 34	6 27	17 55	0 53	23 47	0 24	15 23	2 25	21 3	0 0	15 21	1 37	30 0	16 12	6 35	7 5	28 13		n.a.
S 10	4 0	16 1	1 53	2 9	1 36	10 10	6 16	18 9	0 53	23 47	0 24	15 23	2 25	21 2	0 0	15 22	1 37	30 0	16 12	6 34	7 6	28 14		n.a.
M11	4 25	10 19	0 44	1 25	1 30	9 45	6 5	18 22	0 54	23 47	0 24	15 24	2 24	21 2	0 0	15 22	1 37	30 0	16 12	6 34	7 8	28 14		n.a.
T 12	4 49	4 0	0n29	0 41	1 25	9 20	5 53	18 35	0 54	23 47	0 25	15 25	2 24	21 2	0 0	15 23	1 37	30 0	16 12	6 34	7 9	28 15		n.a.
W13	5 13	2n40	1 43	0s 3	1 19	8 54	5 41	18 48	0 55	23 46	0 25	15 26	2 24	21 2	0 0	15 23	1 37	30 0	16 11	6 34	7 10	28 16		n.a.
T 14	5 36	9 22	2 52	0 47	1 13	8 28	5 28	19 1	0 55	23 46	0 25	15 26	2 24	21 1	0 0	15 24	1 37	30 0	16 11	6 35	7 11	28 16		n.a.
F 15	6 0	15 43	3 52	1 31	1 7	8 2	5 14	19 14	0 56	23 46	0 25	15 27	2 24	21 1	0 0	15 25	1 37	30 0	16 11	6 37	7 13	28 17		n.a.
S 16	6 24	21 15	4 37	2 15	1 1	7 35	5 0	19 27	0 56	23 46	0 25	15 27	2 24	21 1	0 0	15 25	1 37	30 0	16 10	6 39	7 14	28 17		n.a.
S 17	6 48	25 31	5 4	2 59	0 55	7 9	4 46	19 39	0 56	23 46	0 26	15 28	2 24	21 0	0 0	15 26	1 37	30 0	16 10	6 41	7 15	28 18		n.a.
M18	7 11	28 6	5 11	3 43	0 48	6 43	4 31	19 51	0 57	23 46	0 26	15 29	2 23	21 0	0 0	15 27	1 37	30 0	16 10	6 42	7 16	28 18		n.a.
T 19	7 35	28 45	4 58	4 27	0 42	6 18	4 16	20 3	0 57	23 46	0 26	15 29	2 23	21 0	0 0	15 27	1 37	30 0	16 10	6 44	7 17	28 19		n.a.
W20	7 58	27 28	4 27	5 11	0 35	5 53	4 1	20 15	0 58	23 46	0 26	15 29	2 23	21 0	0 0	15 28	1 37	30 0	16 9	6 44	7 19	28 20		n.a.
T 21	8 21	24 29	3 41	5 54	0 29	5 28	3 46	20 27	0 58	23 46	0 26	15 30	2 23	20 59	0 0	15 28	1 37	30 0	16 9	6 44	7 20	28 20		n.a.
F 22	8 44	20 9	2 43	6 37	0 22	5 5	3 30	20 38	0 59	23 46	0 27	15 30	2 23	20 59	0 0	15 29	1 36	30 0	16 9	6 44	7 21	28 21		n.a.
S 23	9 7	14 52	1 37	7 20	0 16	4 42	3 15	20 49	0 59	23 46	0 27	15 31	2 22	20 59	0 0	15 30	1 36	29 59	16 8	6 43	7 22	28 21		n.a.
S 24	9 30	8 59	0 26	8 2	0 9	4 20	2 59	21 0	0 59	23 46	0 27	15 31	2 22	20 58	0 0	15 30	1 36	29 59	16 8	6 43	7 24	28 22		n.a.
M25	9 53	2 49	0s44	8 44	0 2	4 0	2 44	21 11	1 0	23 46	0 27	15 31	2 22	20 58	0 0	15 31	1 36	29 59	16 8	6 43	7 25	28 22		n.a.
T 26	10 15	3s22	1 51	9 26	0s 4	3 40	2 29	21 22	1 0	23 46	0 27	15 31	2 22	20 57	0 0	15 32	1 36	29 59	16 7	6 44	7 26	28 23		n.a.
W27	10 37	9 19	2 51	10 7	0 11	3 22	2 14	21 32	1 0	23 46	0 28	15 31	2 22	20 57	0 0	15 32	1 36	29 59	16 7	6 46	7 27	28 23		n.a.
T 28	11 0	14 49	3 43	10 48	0 17	3 5	1 59	21 42	1 1	23 46	0 28	15 32	2 22	20 57	0 0	15 33	1 36	29 59	16 7	6 48	7 28	28 24		n.a.
F 29	11 22	19 40	4 23	11 29	0 24	2 49	1 45	21 52	1 1	23 46	0 28	15 32	2 21	20 56	0n 0	15 34	1 36	29 59	16 6	6 51	7 30	28 24		n.a.
S 30	11 43	23 38	4 50	12 8	0 30	2 34	1 30	22 2	1 1	23 46	0 28	15 32	2 21	20 56	0 0	15 34	1 36	29 58	16 6	6 55	7 31	28 24		n.a.
S 31	12s 5	26s33	5s 4	12s48	0s36	2s21	1s16	22s11	1s 2	23n46	0n28	15s32	2s21	20n55	0n 0	15s35	1n36	29s58	16s 6	6s59	7s32	28s25		n.a.

Julian Day Number = 1482092.5, Delta T = 05h21m51s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'23, Lahiri = -13°00'23 Julian Calendar 1 Oct. 656 BCE == Greg. Calendar 24 Sept. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

NOVEMBER 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 12 36	2♏17'43	17♐37	3♏16	2♎56	4♐24	11♋10	25°R 8	2°R19	16♏55	20°R37	12°R18	10♓58	19♐26	n.a.	M 1
T 2	2 16 33	3°18'49	29°28	4°51	3° 0	5°11	11°11	25♒ 8	2♊17	16°58	20♒36	12♓11	10°55	19°33	n.a.	T 2
W 3	2 20 29	4°19'56	11♑19	6°25	3° 5	5°58	11°11	25° 8	2°15	17° 0	20°36	12° 6	10°52	19°39	n.a.	W 3
T 4	2 24 26	5°21'03	23°13	7°59	3°13	6°44	11°R11	25° 8	2°12	17° 2	20°36	12° 3	10°48	19°46	n.a.	T 4
F 5	2 28 22	6°22'11	5♒17	9°34	3°23	7°31	11°11	25°D 8	2°10	17° 4	20°36	12°D 2	10°45	19°53	n.a.	F 5
S 6	2 32 19	7°23'20	17°34	11° 8	3°35	8°18	11°10	25° 8	2° 8	17° 7	20°36	12° 2	10°42	20° 0	n.a.	S 6
S 7	2 36 15	8°24'28	0♓10	12°42	3°50	9° 4	11°10	25° 8	2° 6	17° 9	20°36	12° 3	10°39	20° 6	n.a.	S 7
M 8	2 40 12	9°25'38	13°10	14°17	4° 7	9°51	11° 9	25° 8	2° 3	17°11	20°35	12°R 3	10°36	20°13	n.a.	M 8
T 9	2 44 8	10°26'47	26°37	15°51	4°25	10°38	11° 8	25° 9	2° 1	17°13	20°35	12° 2	10°33	20°20	n.a.	T 9
W10	2 48 5	11°27'58	10♈32	17°26	4°46	11°25	11° 7	25° 9	1°59	17°16	20°35	11°59	10°29	20°27	n.a.	W10
T 11	2 52 2	12°29'08	24°56	19° 1	5° 8	12°12	11° 6	25°10	1°56	17°18	20°D35	11°53	10°26	20°33	n.a.	T 11
F 12	2 55 58	13°30'20	9♉42	20°36	5°33	12°59	11° 4	25°11	1°54	17°20	20°35	11°45	10°23	20°40	n.a.	F 12
S 13	2 59 55	14°31'31	24°44	22°11	5°59	13°46	11° 3	25°12	1°51	17°22	20°35	11°35	10°20	20°47	n.a.	S 13
S 14	3 3 51	15°32'44	9♊51	23°46	6°27	14°33	11° 1	25°13	1°49	17°25	20°35	11°25	10°17	20°53	n.a.	S 14
M15	3 7 48	16°33'57	24°54	25°21	6°56	15°20	10°59	25°14	1°47	17°27	20°35	11°16	10°13	21° 0	n.a.	M15
T 16	3 11 44	17°35'11	9♋43	26°56	7°28	16° 7	10°56	25°15	1°44	17°29	20°36	11° 8	10°10	21° 7	n.a.	T 16
W17	3 15 41	18°36'25	24°12	28°31	8° 0	16°54	10°54	25°16	1°42	17°31	20°36	11° 4	10° 7	21°14	n.a.	W17
T 18	3 19 37	19°37'41	8♌18	0♐ 7	8°35	17°41	10°51	25°18	1°39	17°34	20°36	11° 1	10° 4	21°20	n.a.	T 18
F 19	3 23 34	20°38'56	22° 0	1°42	9°10	18°28	10°49	25°19	1°37	17°36	20°36	11°D 1	10° 1	21°27	n.a.	F 19
S 20	3 27 31	21°40'12	5♍20	3°17	9°47	19°15	10°45	25°21	1°34	17°38	20°36	11°R 1	9°58	21°34	n.a.	S 20
S 21	3 31 27	22°41'29	18°21	4°52	10°26	20° 2	10°42	25°23	1°32	17°40	20°36	11° 1	9°54	21°40	n.a.	S 21
M22	3 35 24	23°42'46	1♎ 6	6°27	11° 5	20°49	10°39	25°25	1°29	17°43	20°37	10°59	9°51	21°47	n.a.	M22
T 23	3 39 20	24°44'04	13°38	8° 2	11°46	21°36	10°35	25°26	1°26	17°45	20°37	10°55	9°48	21°54	n.a.	T 23
W24	3 43 17	25°45'21	25°59	9°37	12°28	22°24	10°31	25°29	1°24	17°47	20°37	10°47	9°45	22° 1	n.a.	W24
T 25	3 47 13	26°46'40	8♏13	11°11	13°11	23°11	10°27	25°31	1°21	17°50	20°38	10°37	9°42	22° 7	n.a.	T 25
F 26	3 51 10	27°47'58	20°19	12°44	13°56	23°58	10°23	25°33	1°19	17°52	20°38	10°24	9°38	22°14	n.a.	F 26
S 27	3 55 7	28°49'16	2♐20	14°17	14°41	24°45	10°19	25°35	1°16	17°54	20°38	10° 9	9°35	22°21	n.a.	S 27
S 28	3 59 3	29°50'34	14°16	15°49	15°27	25°33	10°15	25°38	1°13	17°56	20°39	9°54	9°32	22°28	n.a.	S 28
M29	4 3 0	0♐51'53	26° 8	17°20	16°14	26°20	10°10	25°41	1°11	17°58	20°39	9°40	9°29	22°34	n.a.	M29
T 30	4 6 56	1♐53'10	7♑59	18♐49	17♎ 2	27♐ 7	10♋ 5	25♒43	1♊ 8	18♏ 1	20♒40	9♓28	9♓26	22♐41	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s26	28s15	5s 5	13s26	0s42	2s 8	1s 3	22s20	1s 2	23n47	0n29	15s32	2s21	20n55	0n 0	15s35	1n36	29s58	16s 5	7s 2	7s33	28s25		n.a.
T 2	12 48	28 39	4 53	14 5	0 48	1 57	0 49	22 29	1 2	23 47	0 29	15 32	2 21	20 55	0 0	15 36	1 36	29 58	16 5	7 5	7 35	28 26		n.a.
W 3	13 9	27 44	4 28	14 42	0 54	1 48	0 36	22 38	1 3	23 47	0 29	15 31	2 20	20 54	0 0	15 37	1 36	29 57	16 5	7 7	7 36	28 26		n.a.
T 4	13 29	25 32	3 51	15 19	1 0	1 39	0 24	22 47	1 3	23 47	0 29	15 31	2 20	20 54	0 0	15 37	1 36	29 57	16 4	7 8	7 37	28 27		n.a.
F 5	13 50	22 11	3 4	15 55	1 6	1 32	0 11	22 55	1 3	23 47	0 30	15 31	2 20	20 53	0 0	15 38	1 36	29 57	16 4	7 9	7 38	28 27		n.a.
S 6	14 10	17 48	2 7	16 31	1 12	1 26	0n 1	23 3	1 4	23 48	0 30	15 31	2 20	20 53	0 0	15 39	1 36	29 57	16 4	7 9	7 39	28 27		n.a.
S 7	14 30	12 33	1 3	17 5	1 17	1 22	0 12	23 11	1 4	23 48	0 30	15 31	2 20	20 52	0 0	15 39	1 36	29 56	16 3	7 8	7 41	28 28		n.a.
M 8	14 50	6 37	0n 6	17 39	1 22	1 18	0 23	23 18	1 4	23 48	0 30	15 30	2 19	20 52	0 0	15 40	1 36	29 56	16 3	7 8	7 42	28 28		n.a.
T 9	15 10	0 11	1 17	18 12	1 27	1 16	0 34	23 25	1 4	23 48	0 30	15 30	2 19	20 52	0 0	15 41	1 36	29 56	16 3	7 8	7 43	28 28		n.a.
W10	15 29	6n28	2 26	18 45	1 32	1 14	0 44	23 32	1 5	23 49	0 31	15 30	2 19	20 51	0 0	15 41	1 36	29 55	16 2	7 10	7 44	28 29		n.a.
T 11	15 48	13 0	3 28	19 16	1 37	1 14	0 54	23 39	1 5	23 49	0 31	15 29	2 19	20 51	0 0	15 42	1 36	29 55	16 2	7 12	7 46	28 29		n.a.
F 12	16 7	18 59	4 17	19 46	1 41	1 15	1 4	23 45	1 5	23 49	0 31	15 29	2 19	20 50	0 0	15 43	1 36	29 55	16 2	7 15	7 47	28 30		n.a.
S 13	16 25	23 54	4 50	20 16	1 45	1 17	1 13	23 51	1 5	23 50	0 31	15 28	2 18	20 50	0 0	15 43	1 36	29 54	16 1	7 19	7 48	28 30		n.a.
S 14	16 44	27 13	5 3	20 44	1 49	1 20	1 22	23 57	1 6	23 50	0 31	15 28	2 18	20 49	0 0	15 44	1 36	29 54	16 1	7 23	7 49	28 30		n.a.
M15	17 1	28 35	4 54	21 12	1 53	1 25	1 31	24 3	1 6	23 51	0 32	15 27	2 18	20 49	0 0	15 45	1 36	29 54	16 1	7 26	7 50	28 31		n.a.
T 16	17 19	27 50	4 26	21 38	1 56	1 30	1 39	24 8	1 6	23 51	0 32	15 27	2 18	20 48	0 0	15 45	1 36	29 53	16 0	7 29	7 52	28 31		n.a.
W17	17 36	25 13	3 42	22 3	1 59	1 36	1 46	24 13	1 6	23 51	0 32	15 26	2 17	20 48	0 0	15 46	1 36	29 53	16 0	7 31	7 53	28 31		n.a.
T 18	17 53	21 5	2 44	22 27	2 2	1 42	1 54	24 18	1 7	23 52	0 32	15 25	2 17	20 47	0 0	15 47	1 36	29 53	16 0	7 32	7 54	28 31		n.a.
F 19	18 10	15 56	1 39	22 49	2 5	1 50	2 1	24 23	1 7	23 52	0 33	15 24	2 17	20 47	0 0	15 47	1 36	29 52	15 59	7 32	7 55	28 32		n.a.
S 20	18 26	10 9	0 30	23 11	2 7	1 59	2 8	24 27	1 7	23 53	0 33	15 24	2 17	20 46	0 0	15 48	1 36	29 52	15 59	7 32	7 56	28 32		n.a.
S 21	18 42	4 5	0s39	23 30	2 8	2 8	2 14	24 31	1 7	23 53	0 33	15 23	2 17	20 46	0 0	15 48	1 36	29 51	15 59	7 32	7 58	28 32		n.a.
M22	18 58	2s 2	1 44	23 49	2 9	2 18	2 20	24 34	1 7	23 54	0 33	15 22	2 16	20 45	0 0	15 49	1 36	29 51	15 58	7 33	7 59	28 33		n.a.
T 23	19 13	7 57	2 43	24 6	2 10	2 29	2 26	24 38	1 7	23 54	0 33	15 21	2 16	20 45	0 0	15 50	1 36	29 51	15 58	7 35	8 0	28 33		n.a.
W24	19 28	13 29	3 34	24 21	2 10	2 40	2 32	24 41	1 8	23 55	0 34	15 20	2 16	20 44	0 0	15 50	1 36	29 50	15 58	7 37	8 1	28 33		n.a.
T 25	19 43	18 26	4 14	24 35	2 10	2 53	2 37	24 44	1 8	23 55	0 34	15 19	2 16	20 44	0 0	15 51	1 36	29 50	15 57	7 41	8 3	28 33		n.a.
F 26	19 57	22 35	4 42	24 47	2 9	3 5	2 42	24 46	1 8	23 56	0 34	15 18	2 16	20 43	0 0	15 52	1 36	29 49	15 57	7 46	8 4	28 33		n.a.
S 27	20 11	25 46	4 57	24 57	2 8	3 19	2 46	24 48	1 8	23 56	0 34	15 17	2 15	20 43	0 0	15 52	1 36	29 49	15 56	7 52	8 5	28 34		n.a.
S 28	20 24	27 46	4 59	25 5	2 6	3 33	2 51	24 50	1 8	23 57	0 35	15 16	2 15	20 42	0 0	15 53	1 36	29 48	15 56	7 58	8 6	28 34		n.a.
M29	20 37	28 30	4 47	25 12	2 3	3 47	2 55	24 52	1 8	23 57	0 35	15 15	2 15	20 41	0 0	15 54	1 36	29 48	15 56	8 3	8 7	28 34		n.a.
T 30	20s50	27s55	4s24	25s17	1s59	4s 3	2n58	24s53	1s 8	23n58	0n35	15s14	2s15	20n41	0n 0	15s54	1n36	29s48	15s55	8s 8	8s 9	28s34		n.a.

Julian Day Number = 1482123.5, Delta T = 05h21m49s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'19, Lahiri = -13°00'18 Julian Calendar 1 Nov. 656 BCE == Greg. Calendar 25 Oct. 656 BCE

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ASTRODIENST EPHEMERIS for the year 656 BCE
geocentric

DECEMBER 656 BCE (-655) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 10 53	2♐54'28	19♉49	20♐17	17♎51	27♐54	10°R 0	25♒46	1°R 6	18♏ 3	20♒40	9°R18	9♓23	22♐48	n.a.	W 1
T 2	4 14 49	3°55'45	1♒43	21°43	18°41	28°42	9♋55	25°49	1♊ 3	18° 5	20°40	9♓12	9°19	22°54	n.a.	T 2
F 3	4 18 46	4°57'02	13°45	23° 6	19°32	29°29	9°50	25°52	1° 1	18° 7	20°41	9° 8	9°16	23° 1	n.a.	F 3
S 4	4 22 42	5°58'18	25°58	24°26	20°23	0♉16	9°44	25°55	0°58	18°10	20°42	9° 7	9°13	23° 8	n.a.	S 4
S 5	4 26 39	6°59'33	8♓28	25°43	21°15	1° 4	9°38	25°58	0°55	18°12	20°42	9° 7	9°10	23°15	n.a.	S 5
M 6	4 30 36	8° 0'48	21°20	26°55	22° 8	1°51	9°33	26° 2	0°53	18°14	20°43	9° 6	9° 7	23°21	n.a.	M 6
T 7	4 34 32	9° 2'02	4♈39	28° 3	23° 1	2°38	9°27	26° 5	0°50	18°16	20°43	9° 5	9° 4	23°28	n.a.	T 7
W 8	4 38 29	10° 3'16	18°28	29° 6	23°56	3°26	9°21	26° 9	0°48	18°18	20°44	9° 1	9° 0	23°35	n.a.	W 8
T 9	4 42 25	11° 4'28	2♉47	0♉ 2	24°50	4°13	9°14	26°12	0°45	18°20	20°45	8°54	8°57	23°41	n.a.	T 9
F 10	4 46 22	12° 5'40	17°34	0°51	25°46	5° 0	9° 8	26°16	0°43	18°22	20°45	8°45	8°54	23°48	n.a.	F 10
S 11	4 50 18	13° 6'51	2♊43	1°32	26°42	5°48	9° 2	26°20	0°40	18°25	20°46	8°34	8°51	23°55	n.a.	S 11
S 12	4 54 15	14° 8'02	18° 4	2° 4	27°38	6°35	8°55	26°24	0°38	18°27	20°47	8°22	8°48	24° 2	n.a.	S 12
M13	4 58 12	15° 9'12	3♋24	2°26	28°36	7°22	8°48	26°28	0°35	18°29	20°47	8°11	8°44	24° 8	n.a.	M13
T 14	5 2 8	16°10'22	18°33	2°37	29°33	8°10	8°42	26°32	0°33	18°31	20°48	8° 2	8°41	24°15	n.a.	T 14
W15	5 6 5	17°11'31	3♌21	2°R38	0♏31	8°57	8°35	26°36	0°30	18°33	20°49	7°56	8°38	24°22	n.a.	W15
T 16	5 10 1	18°12'39	17°42	2°27	1°30	9°44	8°28	26°40	0°28	18°35	20°50	7°52	8°35	24°29	n.a.	T 16
F 17	5 13 58	19°13'47	1♍35	2° 4	2°29	10°31	8°21	26°44	0°25	18°37	20°50	7°51	8°32	24°35	n.a.	F 17
S 18	5 17 54	20°14'54	15° 0	1°30	3°29	11°19	8°13	26°49	0°23	18°39	20°51	7°51	8°29	24°42	n.a.	S 18
S 19	5 21 51	21°16'01	28° 1	0°45	4°29	12° 6	8° 6	26°53	0°21	18°41	20°52	7°51	8°25	24°49	n.a.	S 19
M20	5 25 47	22°17'07	10♎42	29♐50	5°30	12°53	7°59	26°58	0°18	18°43	20°53	7°49	8°22	24°55	n.a.	M20
T 21	5 29 44	23°18'12	23° 6	28°47	6°30	13°41	7°51	27° 3	0°16	18°45	20°54	7°46	8°19	25° 2	n.a.	T 21
W22	5 33 41	24°19'17	5♏18	27°38	7°32	14°28	7°44	27° 7	0°14	18°47	20°55	7°39	8°16	25° 9	n.a.	W22
T 23	5 37 37	25°20'21	17°22	26°24	8°33	15°15	7°36	27°12	0°11	18°49	20°56	7°30	8°13	25°16	n.a.	T 23
F 24	5 41 34	26°21'24	29°20	25° 9	9°35	16° 3	7°28	27°17	0° 9	18°51	20°57	7°18	8°10	25°22	n.a.	F 24
S 25	5 45 30	27°22'26	11♐14	23°54	10°38	16°50	7°21	27°22	0° 7	18°52	20°58	7° 4	8° 6	25°29	n.a.	S 25
S 26	5 49 27	28°23'27	23° 6	22°41	11°41	17°37	7°13	27°27	0° 5	18°54	20°59	6°50	8° 3	25°36	n.a.	S 26
M27	5 53 23	29°24'27	4♉57	21°32	12°44	18°24	7° 5	27°32	0° 2	18°56	21° 0	6°37	8° 0	25°42	n.a.	M27
T 28	5 57 20	0♉25'25	16°50	20°29	13°47	19°12	6°57	27°38	0° 0	18°58	21° 1	6°26	7°57	25°49	n.a.	T 28
W29	6 1 17	1°26'23	28°44	19°33	14°51	19°59	6°49	27°43	29♉58	19° 0	21° 2	6°17	7°54	25°56	n.a.	W29
T 30	6 5 13	2°27'19	10♒43	18°45	15°54	20°46	6°41	27°48	29°56	19° 2	21° 3	6°11	7°50	26° 3	n.a.	T 30
F 31	6 9 10	3♉28'13	22♒49	18♐ 5	16♏59	21♉33	6♋33	27♒54	29♉54	19♏ 3	21♒ 4	6♓ 7	7♓47	26♐ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	21s 2	26s 4	3s49	25s20	1s55	4s18	3n 2	24s54	1s 8	23n59	0n35	15s13	2s15	20n40	0n 0	15s55	1n36	29s47	15s55	8s12	8s10	28s34			n.a.
T 2	21 14	23 2	3 4	25 21	1 50	4 34	3 5	24 55	1 9	23 59	0 35	15 12	2 14	20 40	0 0	15 55	1 36	29 47	15 55	8 14	8 11	28 35			n.a.
F 3	21 25	19 0	2 10	25 20	1 44	4 51	3 8	24 55	1 9	24 0	0 36	15 11	2 14	20 39	0 0	15 56	1 36	29 46	15 54	8 15	8 12	28 35			n.a.
S 4	21 36	14 7	1 9	25 17	1 37	5 8	3 11	24 55	1 9	24 1	0 36	15 9	2 14	20 39	0 0	15 57	1 36	29 46	15 54	8 16	8 13	28 35			n.a.
S 5	21 47	8 34	0 3	25 12	1 29	5 25	3 14	24 55	1 9	24 1	0 36	15 8	2 14	20 38	0 0	15 57	1 36	29 45	15 54	8 16	8 15	28 35			n.a.
M 6	21 57	2 30	1n 4	25 5	1 20	5 43	3 16	24 55	1 9	24 2	0 36	15 7	2 14	20 38	0 0	15 58	1 36	29 45	15 53	8 16	8 16	28 35			n.a.
T 7	22 7	3n52	2 10	24 56	1 10	6 1	3 18	24 54	1 9	24 2	0 36	15 5	2 13	20 37	0 0	15 58	1 36	29 44	15 53	8 17	8 17	28 35			n.a.
W 8	22 16	10 17	3 12	24 46	0 59	6 19	3 20	24 53	1 9	24 3	0 37	15 4	2 13	20 37	0 0	15 59	1 36	29 44	15 53	8 18	8 18	28 36			n.a.
T 9	22 25	16 24	4 3	24 34	0 47	6 38	3 22	24 51	1 9	24 4	0 37	15 2	2 13	20 36	0 0	16 0	1 36	29 43	15 52	8 21	8 20	28 36			n.a.
F 10	22 34	21 47	4 40	24 20	0 34	6 57	3 23	24 50	1 9	24 4	0 37	15 1	2 13	20 36	0 0	16 0	1 36	29 43	15 52	8 24	8 21	28 36			n.a.
S 11	22 42	25 52	4 58	24 5	0 19	7 16	3 24	24 48	1 9	24 5	0 37	15 0	2 13	20 35	0 0	16 1	1 36	29 42	15 52	8 28	8 22	28 36			n.a.
S 12	22 49	28 8	4 56	23 49	0 4	7 35	3 25	24 46	1 9	24 6	0 37	14 58	2 13	20 35	0 0	16 1	1 36	29 41	15 52	8 33	8 23	28 36			n.a.
M13	22 56	28 16	4 32	23 32	0n13	7 55	3 26	24 43	1 9	24 6	0 38	14 56	2 12	20 34	0 0	16 2	1 36	29 41	15 51	8 37	8 24	28 36			n.a.
T 14	23 3	26 15	3 49	23 14	0 31	8 15	3 27	24 40	1 9	24 7	0 38	14 55	2 12	20 34	0 0	16 2	1 36	29 40	15 51	8 40	8 26	28 36			n.a.
W15	23 9	22 27	2 51	22 56	0 49	8 35	3 27	24 37	1 9	24 8	0 38	14 53	2 12	20 33	0 0	16 3	1 36	29 40	15 51	8 43	8 27	28 36			n.a.
T 16	23 15	17 24	1 44	22 38	1 8	8 55	3 28	24 34	1 9	24 8	0 38	14 52	2 12	20 33	0 1	16 3	1 36	29 39	15 50	8 44	8 28	28 36			n.a.
F 17	23 20	11 34	0 33	22 19	1 27	9 15	3 28	24 30	1 9	24 9	0 38	14 50	2 12	20 32	0 1	16 4	1 36	29 39	15 50	8 45	8 29	28 36			n.a.
S 18	23 25	5 24	0s38	22 0	1 46	9 36	3 28	24 26	1 9	24 9	0 39	14 48	2 12	20 32	0 1	16 5	1 36	29 38	15 50	8 45	8 30	28 36			n.a.
S 19	23 29	0s48	1 45	21 42	2 4	9 56	3 28	24 22	1 9	24 10	0 39	14 47	2 11	20 31	0 1	16 5	1 36	29 38	15 49	8 45	8 32	28 36			n.a.
M20	23 33	6 48	2 44	21 24	2 22	10 17	3 27	24 17	1 9	24 11	0 39	14 45	2 11	20 31	0 1	16 6	1 36	29 37	15 49	8 45	8 33	28 36			n.a.
T 21	23 36	12 25	3 35	21 7	2 39	10 38	3 27	24 12	1 9	24 11	0 39	14 43	2 11	20 30	0 1	16 6	1 36	29 36	15 49	8 47	8 34	28 36			n.a.
W22	23 39	17 28	4 15	20 51	2 54	10 58	3 26	24 7	1 9	24 12	0 39	14 41	2 11	20 30	0 1	16 7	1 36	29 36	15 49	8 49	8 35	28 36			n.a.
T 23	23 42	21 46	4 43	20 37	3 7	11 19	3 25	24 2	1 9	24 13	0 39	14 39	2 11	20 29	0 1	16 7	1 36	29 35	15 48	8 53	8 36	28 36			n.a.
F 24	23 44	25 8	4 58	20 23	3 18	11 40	3 24	23 56	1 9	24 13	0 40	14 37	2 11	20 29	0 1	16 8	1 36	29 35	15 48	8 57	8 38	28 36			n.a.
S 25	23 45	27 23	5 0	20 12	3 27	12 0	3 23	23 50	1 9	24 14	0 40	14 36	2 10	20 28	0 1	16 8	1 36	29 34	15 48	9 2	8 39	28 36			n.a.
S 26	23 46	28 24	4 49	20 2	3 33	12 21	3 22	23 44	1 8	24 14	0 40	14 34	2 10	20 28	0 1	16 9	1 36	29 33	15 47	9 7	8 40	28 36			n.a.
M27	23 46	28 6	4 26	19 54	3 36	12 41	3 21	23 37	1 8	24 15	0 40	14 32	2 10	20 27	0 1	16 9	1 36	29 33	15 47	9 12	8 41	28 36			n.a.
T 28	23 47	26 30	3 50	19 49	3 38	13 2	3 19	23 30	1 8	24 16	0 40	14 30	2 10	20 27	0 1	16 10	1 37	29 32	15 47	9 17	8 42	28 36			n.a.
W29	23 46	23 43	3 5	19 45	3 37	13 22	3 18	23 23	1 8	24 16	0 40	14 28	2 10	20 26	0 1	16 10	1 37	29 32	15 47	9 20	8 44	28 36			n.a.
T 30	23 45	19 53	2 11	19 44	3 34	13 43	3 16	23 16	1 8	24 17	0 41	14 26	2 10	20 26	0 1	16 11	1 37	29 31	15 46	9 22	8 45	28 36			n.a.
F 31	23s44	15s13	1s10	19s45	3n30	14s 3	3n14	23s 8	1s 8	24n17	0n41	14s24	2s 9	20n26	0n 1	16s11	1n37	29s30	15s46	9s24	8s46	28s36			n.a.

Julian Day Number = 1482153.5, Delta T = 05h21m48s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'15, Lahiri = -13°00'14 Julian Calendar 1 Dec. 656 BCE == Greg. Calendar 24 Nov. 656 BCE

The year -655 astronomical counting style corresponds to year 656 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

JANUARY 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 13 6	4♉29'06	5♓ 5	17°R34	18♏ 3	22♉20	6°R25	27♒59	29°R52	19♏ 5	21♒ 5	6°D 6	7♓44	26♐16	n.a.	S 1
S 2	6 17 3	5°29'57	17°35	17♐11	19° 8	23° 8	6♋17	28° 5	29♉50	19° 7	21° 6	6♓ 7	7°41	26°23	n.a.	S 2
M 3	6 20 59	6°30'47	0♈24	16°56	20°13	23°55	6° 9	28°11	29°48	19° 9	21° 7	6°R 8	7°38	26°29	n.a.	M 3
T 4	6 24 56	7°31'35	13°36	16°D50	21°18	24°42	6° 1	28°16	29°46	19°10	21° 8	6° 7	7°35	26°36	n.a.	T 4
W 5	6 28 52	8°32'21	27°14	16°51	22°23	25°29	5°53	28°22	29°44	19°12	21°10	6° 6	7°31	26°43	n.a.	W 5
T 6	6 32 49	9°33'05	11♉19	16°59	23°29	26°16	5°45	28°28	29°43	19°13	21°11	6° 2	7°28	26°50	n.a.	T 6
F 7	6 36 46	10°33'48	25°53	17°13	24°35	27° 3	5°37	28°34	29°41	19°15	21°12	5°56	7°25	26°56	n.a.	F 7
S 8	6 40 42	11°34'29	10♊50	17°34	25°41	27°50	5°30	28°40	29°39	19°17	21°13	5°48	7°22	27° 3	n.a.	S 8
S 9	6 44 39	12°35'08	26° 2	18° 1	26°47	28°37	5°22	28°46	29°37	19°18	21°14	5°39	7°19	27°10	n.a.	S 9
M10	6 48 35	13°35'46	11♋21	18°32	27°53	29°24	5°14	28°52	29°36	19°20	21°16	5°31	7°16	27°16	n.a.	M10
T 11	6 52 32	14°36'22	26°33	19° 9	29° 0	0♒11	5° 6	28°58	29°34	19°21	21°17	5°25	7°12	27°23	n.a.	T 11
W12	6 56 28	15°36'56	11♌30	19°50	0♐ 7	0°58	4°58	29° 5	29°32	19°23	21°18	5°20	7° 9	27°30	n.a.	W12
T 13	7 0 25	16°37'29	26° 3	20°35	1°14	1°45	4°51	29°11	29°31	19°24	21°20	5°18	7° 6	27°37	n.a.	T 13
F 14	7 4 21	17°38'00	10♍ 8	21°23	2°21	2°32	4°43	29°17	29°29	19°26	21°21	5°D18	7° 3	27°43	n.a.	F 14
S 15	7 8 18	18°38'30	23°45	22°15	3°28	3°19	4°35	29°24	29°28	19°27	21°22	5°19	7° 0	27°50	n.a.	S 15
S 16	7 12 15	19°38'58	6♎54	23°11	4°36	4° 6	4°28	29°30	29°27	19°28	21°23	5°20	6°56	27°57	n.a.	S 16
M17	7 16 11	20°39'25	19°39	24° 9	5°44	4°52	4°20	29°37	29°25	19°30	21°25	5°R21	6°53	28° 3	n.a.	M17
T 18	7 20 8	21°39'50	2♏ 5	25°10	6°51	5°39	4°13	29°43	29°24	19°31	21°26	5°20	6°50	28°10	n.a.	T 18
W19	7 24 4	22°40'14	14°16	26°13	7°59	6°26	4° 6	29°50	29°23	19°32	21°28	5°17	6°47	28°17	n.a.	W19
T 20	7 28 1	23°40'36	26°17	27°19	9° 8	7°13	3°59	29°57	29°21	19°33	21°29	5°13	6°44	28°24	n.a.	T 20
F 21	7 31 57	24°40'57	8♐11	28°27	10°16	7°59	3°52	0♓ 3	29°20	19°35	21°30	5° 7	6°41	28°30	n.a.	F 21
S 22	7 35 54	25°41'16	20° 2	29°37	11°24	8°46	3°45	0°10	29°19	19°36	21°32	5° 0	6°37	28°37	n.a.	S 22
S 23	7 39 50	26°41'33	1♑53	0♑49	12°33	9°33	3°38	0°17	29°18	19°37	21°33	4°52	6°34	28°44	n.a.	S 23
M24	7 43 47	27°41'49	13°45	2° 3	13°41	10°19	3°31	0°24	29°17	19°38	21°34	4°45	6°31	28°50	n.a.	M24
T 25	7 47 44	28°42'02	25°42	3°18	14°50	11° 6	3°24	0°31	29°16	19°39	21°36	4°38	6°28	28°57	n.a.	T 25
W26	7 51 40	29°42'14	7♒44	4°36	15°59	11°53	3°18	0°38	29°15	19°40	21°37	4°34	6°25	29° 4	n.a.	W26
T 27	7 55 37	0♒42'24	19°53	5°54	17° 8	12°39	3°11	0°45	29°14	19°41	21°39	4°31	6°22	29°11	n.a.	T 27
F 28	7 59 33	1°42'31	2♓11	7°15	18°17	13°26	3° 5	0°52	29°13	19°42	21°40	4°D30	6°18	29°17	n.a.	F 28
S 29	8 3 30	2°42'36	14°39	8°36	19°26	14°12	2°59	0°59	29°13	19°43	21°42	4°30	6°15	29°24	n.a.	S 29
S 30	8 7 26	3°42'39	27°20	9°59	20°35	14°58	2°53	1° 6	29°12	19°44	21°43	4°32	6°12	29°31	n.a.	S 30
M31	8 11 23	4♒42'40	10♈16	11♉24	21♐44	15♒45	2♋47	1♓13	29♉11	19♏45	21♒45	4♓33	6♓ 9	29♐37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s42	9s52	0s 5	19s48	3n24	14s23	3n12	23s 1	1s 8	24n18	0n41	14s22	2s 9	20n25	0n 1	16s11	1n37	29s30	15s46	9s24	8s47	28s36		n.a.
S 2	23 40	4 2	1n 1	19 53	3 17	14 42	3 10	22 52	1 8	24 18	0 41	14 19	2 9	20 25	0 1	16 12	1 37	29 29	15 46	9 24	8 48	28 36		n.a.
M 3	23 37	2n 5	2 6	20 0	3 9	15 2	3 8	22 44	1 7	24 19	0 41	14 17	2 9	20 24	0 1	16 12	1 37	29 29	15 45	9 23	8 50	28 36		n.a.
T 4	23 34	8 18	3 6	20 8	3 0	15 21	3 5	22 35	1 7	24 19	0 41	14 15	2 9	20 24	0 1	16 13	1 37	29 28	15 45	9 23	8 51	28 36		n.a.
W 5	23 30	14 19	3 58	20 17	2 50	15 41	3 3	22 27	1 7	24 20	0 41	14 13	2 9	20 23	0 1	16 13	1 37	29 27	15 45	9 24	8 52	28 36		n.a.
T 6	23 26	19 50	4 38	20 28	2 40	16 0	3 1	22 17	1 7	24 20	0 41	14 11	2 9	20 23	0 1	16 14	1 37	29 27	15 45	9 26	8 53	28 36		n.a.
F 7	23 21	24 22	5 1	20 40	2 30	16 18	2 58	22 8	1 7	24 21	0 42	14 9	2 9	20 23	0 1	16 14	1 37	29 26	15 45	9 28	8 54	28 35		n.a.
S 8	23 16	27 24	5 4	20 53	2 19	16 37	2 55	21 58	1 7	24 21	0 42	14 6	2 8	20 22	0 1	16 14	1 37	29 25	15 44	9 31	8 56	28 35		n.a.
S 9	23 10	28 29	4 47	21 6	2 8	16 55	2 53	21 49	1 6	24 22	0 42	14 4	2 8	20 22	0 1	16 15	1 37	29 25	15 44	9 34	8 57	28 35		n.a.
M10	23 4	27 24	4 8	21 20	1 57	17 13	2 50	21 39	1 6	24 22	0 42	14 2	2 8	20 22	0 1	16 15	1 37	29 24	15 44	9 37	8 58	28 35		n.a.
T 11	22 58	24 17	3 13	21 34	1 46	17 30	2 47	21 28	1 6	24 23	0 42	13 59	2 8	20 21	0 1	16 15	1 37	29 24	15 44	9 39	8 59	28 35		n.a.
W12	22 51	19 34	2 4	21 48	1 35	17 48	2 44	21 18	1 6	24 23	0 42	13 57	2 8	20 21	0 1	16 16	1 37	29 23	15 44	9 41	9 0	28 35		n.a.
T 13	22 44	13 47	0 50	22 2	1 24	18 4	2 41	21 7	1 6	24 23	0 42	13 55	2 8	20 21	0 1	16 16	1 37	29 22	15 43	9 42	9 2	28 34		n.a.
F 14	22 36	7 28	0s26	22 16	1 13	18 21	2 38	20 56	1 5	24 24	0 42	13 52	2 8	20 20	0 1	16 17	1 37	29 22	15 43	9 42	9 3	28 34		n.a.
S 15	22 28	1 1	1 38	22 30	1 3	18 37	2 34	20 45	1 5	24 24	0 43	13 50	2 8	20 20	0 1	16 17	1 37	29 21	15 43	9 42	9 4	28 34		n.a.
S 16	22 19	5s15	2 42	22 44	0 52	18 53	2 31	20 33	1 5	24 25	0 43	13 48	2 8	20 20	0 1	16 17	1 37	29 20	15 43	9 41	9 5	28 34		n.a.
M17	22 10	11 7	3 36	22 57	0 42	19 8	2 28	20 22	1 5	24 25	0 43	13 45	2 7	20 19	0 1	16 18	1 37	29 20	15 43	9 41	9 6	28 34		n.a.
T 18	22 0	16 24	4 19	23 9	0 32	19 23	2 24	20 10	1 5	24 25	0 43	13 43	2 7	20 19	0 1	16 18	1 37	29 19	15 42	9 41	9 8	28 33		n.a.
W19	21 50	20 56	4 49	23 21	0 22	19 38	2 21	19 58	1 4	24 26	0 43	13 40	2 7	20 19	0 1	16 18	1 37	29 19	15 42	9 42	9 9	28 33		n.a.
T 20	21 40	24 32	5 5	23 33	0 12	19 52	2 18	19 46	1 4	24 26	0 43	13 38	2 7	20 19	0 1	16 18	1 37	29 18	15 42	9 44	9 10	28 33		n.a.
F 21	21 29	27 3	5 9	23 43	0 3	20 5	2 14	19 33	1 4	24 26	0 43	13 35	2 7	20 18	0 1	16 19	1 37	29 17	15 42	9 46	9 11	28 33		n.a.
S 22	21 18	28 21	4 59	23 53	0s 6	20 19	2 10	19 20	1 3	24 26	0 43	13 33	2 7	20 18	0 1	16 19	1 37	29 17	15 42	9 49	9 12	28 32		n.a.
S 23	21 7	28 22	4 36	24 1	0 15	20 31	2 7	19 8	1 3	24 27	0 43	13 30	2 7	20 18	0 1	16 19	1 37	29 16	15 42	9 52	9 13	28 32		n.a.
M24	20 55	27 3	4 1	24 9	0 24	20 44	2 3	18 55	1 3	24 27	0 43	13 28	2 7	20 18	0 1	16 20	1 37	29 16	15 42	9 54	9 15	28 32		n.a.
T 25	20 43	24 30	3 15	24 16	0 32	20 55	2 0	18 41	1 3	24 27	0 43	13 25	2 7	20 17	0 1	16 20	1 38	29 15	15 41	9 57	9 16	28 32		n.a.
W26	20 30	20 51	2 21	24 22	0 40	21 6	1 56	18 28	1 2	24 27	0 43	13 23	2 7	20 17	0 1	16 20	1 38	29 14	15 41	9 58	9 17	28 31		n.a.
T 27	20 17	16 18	1 19	24 26	0 48	21 17	1 52	18 14	1 2	24 28	0 43	13 20	2 7	20 17	0 1	16 20	1 38	29 14	15 41	9 59	9 18	28 31		n.a.
F 28	20 4	11 2	0 13	24 29	0 55	21 27	1 48	18 1	1 2	24 28	0 44	13 17	2 7	20 17	0 1	16 21	1 38	29 13	15 41	10 0	9 19	28 31		n.a.
S 29	19 50	5 17	0n55	24 32	1 2	21 37	1 45	17 47	1 1	24 28	0 44	13 15	2 7	20 17	0 1	16 21	1 38	29 13	15 41	10 0	9 21	28 30		n.a.
S 30	19 36	0n47	2 2	24 32	1 9	21 46	1 41	17 33	1 1	24 28	0 44	13 12	2 6	20 17	0 1	16 21	1 38	29 12	15 41	9 59	9 22	28 30		n.a.
M31	19s21	6n55	3n 3	24s32	1s15	21s54	1n37	17s18	1s 1	24n28	0n44	13s10	2s 6	20n16	0n 1	16s21	1n38	29s11	15s41	9s59	9s23	28s30		n.a.

Julian Day Number = 1482184.5, Delta T = 05h21m46s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'11, Lahiri = -13°00'10 Julian Calendar 1 Jan. 655 BCE == Greg. Calendar 25 Dec. 656 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

FEBRUARY 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 15 19	5♒42'39	23♈30	12♑49	22♐54	16♒31	2°R42	1♓20	29°R11	19♏46	21♒46	4♓35	6♓ 6	29♐44	n.a.	T 1
W 2	8 19 16	6°42'35	7♉ 4	14°17	24° 3	17°17	2♋36	1°27	29♉10	19°47	21°47	4°R35	6° 2	29°51	n.a.	W 2
T 3	8 23 13	7°42'29	21° 0	15°45	25°13	18° 4	2°31	1°34	29°10	19°48	21°49	4°34	5°59	29°58	n.a.	T 3
F 4	8 27 9	8°42'20	5♊16	17°14	26°23	18°50	2°25	1°42	29° 9	19°48	21°50	4°33	5°56	0♑ 4	n.a.	F 4
S 5	8 31 6	9°42'10	19°52	18°45	27°32	19°36	2°20	1°49	29° 9	19°49	21°52	4°30	5°53	0°11	n.a.	S 5
S 6	8 35 2	10°41'57	4♋43	20°17	28°42	20°22	2°15	1°56	29° 8	19°50	21°53	4°27	5°50	0°18	n.a.	S 6
M 7	8 38 59	11°41'41	19°40	21°51	29°52	21° 8	2°10	2° 4	29° 8	19°51	21°55	4°23	5°47	0°24	n.a.	M 7
T 8	8 42 55	12°41'24	4♌37	23°25	1♑ 2	21°54	2° 6	2°11	29° 8	19°51	21°56	4°21	5°43	0°31	n.a.	T 8
W 9	8 46 52	13°41'04	19°24	25° 1	2°12	22°40	2° 1	2°19	29° 8	19°52	21°58	4°19	5°40	0°38	n.a.	W 9
T 10	8 50 48	14°40'42	3♍54	26°38	3°22	23°26	1°57	2°26	29° 7	19°52	21°59	4°D19	5°37	0°45	n.a.	T 10
F 11	8 54 45	15°40'18	18° 2	28°16	4°32	24°12	1°53	2°33	29° 7	19°53	22° 1	4°19	5°34	0°51	n.a.	F 11
S 12	8 58 42	16°39'51	1♎45	29°55	5°43	24°58	1°49	2°41	29°D 7	19°54	22° 2	4°20	5°31	0°58	n.a.	S 12
S 13	9 2 38	17°39'23	15° 2	1♒36	6°53	25°44	1°45	2°48	29° 7	19°54	22° 4	4°21	5°28	1° 5	n.a.	S 13
M14	9 6 35	18°38'53	27°54	3°18	8° 3	26°30	1°42	2°56	29° 7	19°54	22° 6	4°23	5°24	1°11	n.a.	M14
T 15	9 10 31	19°38'21	10♏26	5° 1	9°14	27°16	1°38	3° 3	29° 8	19°55	22° 7	4°24	5°21	1°18	n.a.	T 15
W16	9 14 28	20°37'48	22°41	6°45	10°24	28° 1	1°35	3°11	29° 8	19°55	22° 9	4°R24	5°18	1°25	n.a.	W16
T 17	9 18 24	21°37'12	4♐43	8°31	11°35	28°47	1°32	3°19	29° 8	19°56	22°10	4°23	5°15	1°32	n.a.	T 17
F 18	9 22 21	22°36'35	16°37	10°18	12°46	29°33	1°29	3°26	29° 8	19°56	22°12	4°22	5°12	1°38	n.a.	F 18
S 19	9 26 17	23°35'56	28°28	12° 6	13°56	0♓18	1°27	3°34	29° 9	19°56	22°13	4°21	5° 8	1°45	n.a.	S 19
S 20	9 30 14	24°35'14	10♑20	13°56	15° 7	1° 4	1°24	3°41	29° 9	19°57	22°15	4°19	5° 5	1°52	n.a.	S 20
M21	9 34 10	25°34'31	22°15	15°47	16°18	1°49	1°22	3°49	29° 9	19°57	22°16	4°18	5° 2	1°58	n.a.	M21
T 22	9 38 7	26°33'46	4♒17	17°39	17°29	2°35	1°20	3°57	29°10	19°57	22°18	4°17	4°59	2° 5	n.a.	T 22
W23	9 42 4	27°32'58	16°29	19°33	18°40	3°20	1°18	4° 4	29°10	19°57	22°19	4°16	4°56	2°12	n.a.	W23
T 24	9 46 0	28°32'08	28°51	21°27	19°51	4° 6	1°16	4°12	29°11	19°57	22°21	4°D16	4°53	2°19	n.a.	T 24
F 25	9 49 57	29°31'17	11♓26	23°24	21° 1	4°51	1°14	4°20	29°12	19°57	22°22	4°16	4°49	2°25	n.a.	F 25
S 26	9 53 53	0♓30'23	24°13	25°21	22°12	5°36	1°13	4°27	29°12	19°57	22°24	4°16	4°46	2°32	n.a.	S 26
S 27	9 57 50	1°29'26	7♈14	27°20	23°24	6°21	1°12	4°35	29°13	19°R57	22°25	4°17	4°43	2°39	n.a.	S 27
M28	10 1 46	2♓28'28	20♈29	29♒20	24♑35	7♓ 7	1♋11	4♓43	29♉14	19♏57	22♒27	4♓17	4♓40	2♑45	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s 7	12n54	3n57	24s30	1s21	22s 2	1n33	17s 4	1s 0	24n29	0n44	13s 7	2s 6	20n16	0n 1	16s21	1n38	29s11	15s41	9s58	9s24	28s30		n.a.
W 2	18 51	18 26	4 38	24 27	1 27	22 9	1 29	16 49	1 0	24 29	0 44	13 4	2 6	20 16	0 1	16 22	1 38	29 10	15 41	9 58	9 25	28 29		n.a.
T 3	18 36	23 9	5 5	24 22	1 33	22 16	1 25	16 35	1 0	24 29	0 44	13 2	2 6	20 16	0 1	16 22	1 38	29 10	15 41	9 58	9 27	28 29		n.a.
F 4	18 20	26 37	5 14	24 16	1 38	22 22	1 21	16 20	0 59	24 29	0 44	12 59	2 6	20 16	0 1	16 22	1 38	29 9	15 41	9 59	9 28	28 28		n.a.
S 5	18 4	28 25	5 3	24 8	1 43	22 28	1 17	16 5	0 59	24 29	0 44	12 56	2 6	20 16	0 1	16 22	1 38	29 8	15 40	10 0	9 29	28 28		n.a.
S 6	17 48	28 13	4 31	23 59	1 47	22 33	1 14	15 50	0 59	24 29	0 44	12 53	2 6	20 16	0 1	16 22	1 38	29 8	15 40	10 1	9 30	28 28		n.a.
M 7	17 31	25 58	3 41	23 48	1 51	22 37	1 10	15 34	0 58	24 29	0 44	12 51	2 6	20 16	0 1	16 22	1 38	29 7	15 40	10 2	9 31	28 27		n.a.
T 8	17 14	21 54	2 36	23 36	1 55	22 41	1 6	15 19	0 58	24 30	0 44	12 48	2 6	20 16	0 1	16 23	1 38	29 7	15 40	10 3	9 32	28 27		n.a.
W 9	16 57	16 30	1 21	23 21	1 58	22 44	1 2	15 3	0 58	24 30	0 44	12 45	2 6	20 16	0 1	16 23	1 38	29 6	15 40	10 4	9 34	28 27		n.a.
T 10	16 40	10 15	0 2	23 6	2 1	22 46	0 58	14 48	0 57	24 30	0 44	12 42	2 6	20 16	0 1	16 23	1 38	29 6	15 40	10 4	9 35	28 26		n.a.
F 11	16 22	3 39	1s15	22 48	2 3	22 48	0 54	14 32	0 57	24 30	0 44	12 40	2 6	20 16	0 1	16 23	1 38	29 5	15 40	10 4	9 36	28 26		n.a.
S 12	16 4	2s56	2 26	22 29	2 5	22 49	0 50	14 16	0 57	24 30	0 44	12 37	2 6	20 16	0 1	16 23	1 38	29 4	15 40	10 3	9 37	28 25		n.a.
S 13	15 45	9 10	3 26	22 8	2 6	22 49	0 46	14 0	0 56	24 30	0 44	12 34	2 6	20 16	0 1	16 23	1 38	29 4	15 40	10 3	9 38	28 25		n.a.
M14	15 27	14 49	4 14	21 46	2 8	22 49	0 43	13 44	0 56	24 30	0 44	12 31	2 6	20 16	0 1	16 23	1 38	29 3	15 40	10 2	9 40	28 24		n.a.
T 15	15 8	19 43	4 49	21 21	2 8	22 48	0 39	13 28	0 55	24 30	0 44	12 29	2 6	20 16	0 1	16 23	1 39	29 3	15 40	10 2	9 41	28 24		n.a.
W16	14 49	23 41	5 10	20 55	2 8	22 47	0 35	13 11	0 55	24 30	0 44	12 26	2 6	20 16	0 1	16 23	1 39	29 2	15 40	10 2	9 42	28 23		n.a.
T 17	14 30	26 33	5 16	20 27	2 8	22 45	0 31	12 55	0 55	24 30	0 44	12 23	2 6	20 16	0 1	16 23	1 39	29 2	15 40	10 2	9 43	28 23		n.a.
F 18	14 10	28 13	5 9	19 57	2 7	22 42	0 27	12 38	0 54	24 30	0 44	12 20	2 6	20 16	0 1	16 23	1 39	29 1	15 40	10 3	9 44	28 23		n.a.
S 19	13 51	28 35	4 49	19 25	2 6	22 39	0 24	12 21	0 54	24 30	0 44	12 17	2 6	20 16	0 1	16 23	1 39	29 1	15 40	10 3	9 45	28 22		n.a.
S 20	13 31	27 37	4 16	18 52	2 4	22 35	0 20	12 5	0 53	24 30	0 44	12 15	2 6	20 16	0 1	16 23	1 39	29 0	15 40	10 4	9 47	28 22		n.a.
M21	13 10	25 24	3 32	18 16	2 2	22 30	0 16	11 48	0 53	24 30	0 44	12 12	2 6	20 16	0 1	16 23	1 39	29 0	15 40	10 4	9 48	28 21		n.a.
T 22	12 50	22 1	2 39	17 39	1 59	22 24	0 13	11 31	0 52	24 30	0 44	12 9	2 6	20 16	0 1	16 23	1 39	28 59	15 40	10 5	9 49	28 21		n.a.
W23	12 30	17 39	1 37	17 0	1 56	22 18	0 9	11 14	0 52	24 30	0 44	12 6	2 6	20 16	0 1	16 23	1 39	28 59	15 40	10 5	9 50	28 20		n.a.
T 24	12 9	12 30	0 30	16 19	1 52	22 12	0 5	10 57	0 52	24 30	0 44	12 3	2 6	20 17	0 1	16 23	1 39	28 58	15 40	10 5	9 51	28 19		n.a.
F 25	11 48	6 46	0n40	15 36	1 48	22 5	0 2	10 40	0 51	24 30	0 44	12 0	2 6	20 17	0 1	16 23	1 39	28 58	15 40	10 5	9 53	28 19		n.a.
S 26	11 27	0 40	1 48	14 52	1 43	21 57	0s 2	10 22	0 51	24 30	0 44	11 58	2 6	20 17	0 1	16 23	1 39	28 57	15 40	10 5	9 54	28 18		n.a.
S 27	11 6	5n33	2 53	14 5	1 37	21 48	0 5	10 5	0 50	24 30	0 44	11 55	2 6	20 17	0 1	16 23	1 39	28 57	15 41	10 5	9 55	28 18		n.a.
M28	10s44	11n38	3n49	13s17	1s31	21s39	0s 8	9s48	0s50	24n30	0n44	11s52	2s 6	20n17	0n 1	16s23	1n39	28s56	15s41	10s 5	9s56	28s17		n.a.

Julian Day Number = 1482215.5, Delta T = 05h21m45s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'06, Lahiri = -13°00'06 Julian Calendar 1 Feb. 655 BCE == Greg. Calendar 25 Jan. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

MARCH 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 5 43	3♓27'26	3♉57	1♓21	25♑46	7♓52	1°R10	4♓50	29♉15	19°R57	22♒28	4♓17	4♓37	2♑52	n.a.	T 1
W 2	10 9 39	4°26'23	17°39	3°23	26°57	8°37	1♋ 9	4°58	29°16	19♏57	22°30	4°R17	4°34	2°59	n.a.	W 2
T 3	10 13 36	5°25'17	1♊35	5°26	28° 8	9°22	1° 9	5° 6	29°17	19°57	22°31	4°D17	4°30	3° 5	n.a.	T 3
F 4	10 17 33	6°24'09	15°43	7°30	29°19	10° 7	1° 9	5°13	29°18	19°57	22°33	4°17	4°27	3°12	n.a.	F 4
S 5	10 21 29	7°22'59	0♋ 2	9°35	0♒31	10°52	1°D 9	5°21	29°19	19°57	22°34	4°17	4°24	3°19	n.a.	S 5
S 6	10 25 26	8°21'46	14°28	11°40	1°42	11°37	1° 9	5°29	29°20	19°57	22°36	4°17	4°21	3°26	n.a.	S 6
M 7	10 29 22	9°20'30	28°59	13°45	2°53	12°21	1° 9	5°36	29°21	19°56	22°37	4°18	4°18	3°32	n.a.	M 7
T 8	10 33 19	10°19'13	13♌28	15°50	4° 5	13° 6	1°10	5°44	29°22	19°56	22°39	4°18	4°14	3°39	n.a.	T 8
W 9	10 37 15	11°17'53	27°52	17°56	5°16	13°51	1°11	5°52	29°24	19°56	22°40	4°R19	4°11	3°46	n.a.	W 9
T 10	10 41 12	12°16'30	12♍ 4	20° 0	6°27	14°36	1°11	5°59	29°25	19°55	22°42	4°19	4° 8	3°52	n.a.	T 10
F 11	10 45 8	13°15'06	26° 0	22° 4	7°39	15°20	1°13	6° 7	29°26	19°55	22°43	4°18	4° 5	3°59	n.a.	F 11
S 12	10 49 5	14°13'40	9♎36	24° 7	8°50	16° 5	1°14	6°15	29°28	19°55	22°44	4°17	4° 2	4° 6	n.a.	S 12
S 13	10 53 1	15°12'11	22°52	26° 9	10° 2	16°49	1°15	6°22	29°29	19°54	22°46	4°16	3°59	4°13	n.a.	S 13
M14	10 56 58	16°10'41	5♏46	28° 8	11°13	17°34	1°17	6°30	29°31	19°54	22°47	4°14	3°55	4°19	n.a.	M14
T 15	11 0 55	17° 9'10	18°21	0♈ 6	12°25	18°18	1°19	6°38	29°32	19°53	22°49	4°13	3°52	4°26	n.a.	T 15
W16	11 4 51	18° 7'36	0♐39	2° 1	13°37	19° 3	1°21	6°45	29°34	19°53	22°50	4°12	3°49	4°33	n.a.	W16
T 17	11 8 48	19° 6'01	12°44	3°53	14°48	19°47	1°23	6°53	29°36	19°52	22°52	4°11	3°46	4°39	n.a.	T 17
F 18	11 12 44	20° 4'24	24°40	5°42	16° 0	20°31	1°25	7° 0	29°37	19°52	22°53	4°D11	3°43	4°46	n.a.	F 18
S 19	11 16 41	21° 2'45	6♑32	7°28	17°12	21°16	1°28	7° 8	29°39	19°51	22°54	4°11	3°40	4°53	n.a.	S 19
S 20	11 20 37	22° 1'05	18°24	9°11	18°24	22° 0	1°31	7°15	29°41	19°50	22°56	4°13	3°36	4°59	n.a.	S 20
M21	11 24 34	22°59'23	0♒22	10°49	19°35	22°44	1°34	7°23	29°43	19°50	22°57	4°14	3°33	5° 6	n.a.	M21
T 22	11 28 30	23°57'39	12°29	12°24	20°47	23°28	1°37	7°30	29°45	19°49	22°58	4°16	3°30	5°13	n.a.	T 22
W23	11 32 27	24°55'53	24°48	13°54	21°59	24°12	1°40	7°38	29°46	19°48	23° 0	4°17	3°27	5°20	n.a.	W23
T 24	11 36 24	25°54'06	7♓23	15°21	23°11	24°56	1°43	7°45	29°48	19°47	23° 1	4°R17	3°24	5°26	n.a.	T 24
F 25	11 40 20	26°52'17	20°15	16°43	24°23	25°40	1°47	7°53	29°50	19°47	23° 2	4°16	3°20	5°33	n.a.	F 25
S 26	11 44 17	27°50'26	3♈24	18° 0	25°35	26°24	1°51	8° 0	29°53	19°46	23° 4	4°14	3°17	5°40	n.a.	S 26
S 27	11 48 13	28°48'33	16°50	19°13	26°46	27° 8	1°55	8° 8	29°55	19°45	23° 5	4°11	3°14	5°46	n.a.	S 27
M28	11 52 10	29°46'38	0♉30	20°21	27°58	27°51	1°59	8°15	29°57	19°44	23° 6	4° 7	3°11	5°53	n.a.	M28
T 29	11 56 6	0♈44'42	14°22	21°25	29°10	28°35	2° 3	8°22	29°59	19°43	23° 7	4° 4	3° 8	6° 0	n.a.	T 29
W30	12 0 3	1°42'43	28°24	22°24	0♓22	29°19	2° 7	8°30	0♊ 1	19°42	23° 9	4° 0	3° 5	6° 6	n.a.	W30
T 31	12 3 59	2♈40'43	12♊32	23♈17	1♓34	0♈ 2	2♋12	8♓37	0♊ 3	19♏41	23♒10	3♓58	3♓ 1	6♑13	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	10s23	17n18	4n34	12s28	1s25	21s29	0s12	9s30	0s49	24n30	0n44	11s49	2s 6	20n18	0n 1	16s23	1n39	28s56	15s41	10s 5	9s57	28s17			n.a.
W 2	10 1	22 11	5 4	11 36	1 17	21 19	0 15	9 13	0 49	24 30	0 44	11 46	2 6	20 18	0 1	16 23	1 39	28 55	15 41	10 5	9 58	28 16			n.a.
T 3	9 39	25 56	5 17	10 44	1 10	21 8	0 18	8 55	0 48	24 30	0 44	11 43	2 6	20 18	0 1	16 23	1 39	28 55	15 41	10 5	10 0	28 16			n.a.
F 4	9 17	28 9	5 11	9 49	1 1	20 56	0 22	8 37	0 48	24 30	0 44	11 41	2 6	20 18	0 1	16 23	1 39	28 54	15 41	10 5	10 1	28 15			n.a.
S 5	8 55	28 32	4 46	8 54	0 53	20 44	0 25	8 20	0 48	24 30	0 44	11 38	2 6	20 18	0 1	16 23	1 39	28 54	15 41	10 4	10 2	28 14			n.a.
S 6	8 33	27 0	4 2	7 57	0 43	20 31	0 28	8 2	0 47	24 30	0 44	11 35	2 6	20 19	0 1	16 23	1 39	28 54	15 41	10 4	10 3	28 14			n.a.
M 7	8 11	23 39	3 4	7 0	0 34	20 17	0 31	7 44	0 47	24 30	0 44	11 32	2 6	20 19	0 1	16 23	1 39	28 53	15 41	10 4	10 4	28 13			n.a.
T 8	7 48	18 49	1 53	6 1	0 23	20 3	0 34	7 26	0 46	24 30	0 44	11 29	2 6	20 19	0 1	16 23	1 40	28 53	15 41	10 4	10 5	28 13			n.a.
W 9	7 26	12 56	0 36	5 2	0 13	19 49	0 37	7 8	0 46	24 30	0 44	11 26	2 6	20 20	0 1	16 22	1 40	28 52	15 41	10 4	10 7	28 12			n.a.
T 10	7 3	6 28	0s43	4 3	0 2	19 34	0 40	6 50	0 45	24 30	0 44	11 24	2 6	20 20	0 1	16 22	1 40	28 52	15 42	10 4	10 8	28 11			n.a.
F 11	6 40	0s11	1 57	3 3	0n 9	19 18	0 43	6 32	0 45	24 30	0 44	11 21	2 6	20 20	0 1	16 22	1 40	28 52	15 42	10 4	10 9	28 11			n.a.
S 12	6 17	6 39	3 3	2 4	0 20	19 2	0 45	6 15	0 44	24 30	0 44	11 18	2 6	20 20	0 1	16 22	1 40	28 51	15 42	10 4	10 10	28 10			n.a.
S 13	5 55	12 41	3 57	1 4	0 32	18 45	0 48	5 56	0 44	24 30	0 44	11 15	2 6	20 21	0 1	16 22	1 40	28 51	15 42	10 5	10 11	28 9			n.a.
M14	5 32	17 59	4 38	0 6	0 43	18 28	0 51	5 38	0 43	24 30	0 44	11 12	2 7	20 21	0 1	16 22	1 40	28 51	15 42	10 6	10 12	28 9			n.a.
T 15	5 9	22 24	5 4	0n52	0 54	18 10	0 53	5 20	0 43	24 30	0 44	11 10	2 7	20 21	0 1	16 21	1 40	28 50	15 42	10 6	10 14	28 8			n.a.
W16	4 46	25 43	5 15	1 49	1 6	17 52	0 56	5 2	0 42	24 30	0 44	11 7	2 7	20 22	0 1	16 21	1 40	28 50	15 42	10 7	10 15	28 7			n.a.
T 17	4 22	27 48	5 13	2 44	1 17	17 33	0 58	4 44	0 42	24 30	0 44	11 4	2 7	20 22	0 1	16 21	1 40	28 49	15 43	10 7	10 16	28 7			n.a.
F 18	3 59	28 36	4 56	3 38	1 27	17 14	1 1	4 26	0 41	24 30	0 44	11 1	2 7	20 23	0 1	16 21	1 40	28 49	15 43	10 7	10 17	28 6			n.a.
S 19	3 36	28 4	4 27	4 30	1 38	16 54	1 3	4 8	0 41	24 30	0 44	10 58	2 7	20 23	0 1	16 21	1 40	28 49	15 43	10 7	10 18	28 5			n.a.
S 20	3 13	26 14	3 47	5 20	1 48	16 34	1 5	3 50	0 40	24 30	0 44	10 56	2 7	20 23	0 1	16 20	1 40	28 49	15 43	10 6	10 19	28 4			n.a.
M21	2 49	23 13	2 56	6 8	1 57	16 13	1 7	3 32	0 40	24 30	0 44	10 53	2 7	20 24	0 1	16 20	1 40	28 48	15 43	10 6	10 21	28 4			n.a.
T 22	2 26	19 10	1 57	6 54	2 6	15 52	1 10	3 14	0 39	24 30	0 44	10 50	2 7	20 24	0 1	16 20	1 40	28 48	15 44	10 5	10 22	28 3			n.a.
W23	2 2	14 15	0 52	7 37	2 15	15 30	1 12	2 55	0 38	24 30	0 44	10 47	2 7	20 25	0 1	16 20	1 40	28 48	15 44	10 5	10 23	28 2			n.a.
T 24	1 39	8 39	0n17	8 18	2 22	15 8	1 14	2 37	0 38	24 30	0 44	10 45	2 7	20 25	0 1	16 20	1 40	28 47	15 44	10 5	10 24	28 1			n.a.
F 25	1 16	2 35	1 27	8 57	2 29	14 46	1 16	2 19	0 37	24 30	0 44	10 42	2 7	20 25	0 1	16 19	1 40	28 47	15 44	10 5	10 25	28 1			n.a.
S 26	0 52	3n42	2 33	9 33	2 35	14 23	1 17	2 1	0 37	24 30	0 44	10 39	2 8	20 26	0 1	16 19	1 40	28 47	15 44	10 6	10 26	28 0			n.a.
S 27	0 29	9 58	3 33	10 6	2 41	14 0	1 19	1 43	0 36	24 29	0 44	10 36	2 8	20 26	0 1	16 19	1 40	28 47	15 45	10 7	10 28	27 59			n.a.
M28	0 5	15 52	4 21	10 36	2 45	13 36	1 21	1 25	0 36	24 29	0 44	10 34	2 8	20 27	0 1	16 18	1 40	28 46	15 45	10 8	10 29	27 58			n.a.
T 29	0n18	21 3	4 55	11 4	2 49	13 12	1 22	1 6	0 35	24 29	0 44	10 31	2 8	20 27	0 1	16 18	1 40	28 46	15 45	10 9	10 30	27 58			n.a.
W30	0 41	25 8	5 11	11 29	2 51	12 48	1 24	0 48	0 35	24 29	0 44	10 28	2 8	20 28	0 1	16 18	1 40	28 46	15 45	10 11	10 31	27 57			n.a.
T 31	1n 5	27n44	5n10	11n51	2n53	12s24	1s25	0s30	0s34	24n29	0n44	10s26	2s 8	20n28	0n 1	16s18	1n40	28s46	15s45	10s12	10s32	27s56			n.a.

Julian Day Number = 1482243.5, Delta T = 05h21m44s
Ecliptic obliquity = 23°46'36, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°07'03, Lahiri = -13°00'02 Julian Calendar 1 March 655 BCE == Greg. Calendar 22 Feb. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

APRIL 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 7 56	3♈38'40	26♊43	24♈ 6	2♓46	0♈46	2♋17	8♓44	0♊ 6	19°R40	23♒11	3°R56	2♓58	6♉20	n.a.	F 1
S 2	12 11 53	4°36'36	10♋55	24°50	3°58	1°29	2°22	8°51	0° 8	19♏39	23°12	3°D56	2°55	6°27	n.a.	S 2
S 3	12 15 49	5°34'30	25° 6	25°29	5°10	2°13	2°27	8°58	0°11	19°38	23°14	3♓57	2°52	6°33	n.a.	S 3
M 4	12 19 46	6°32'21	9♌14	26° 3	6°22	2°56	2°32	9° 6	0°13	19°37	23°15	3°59	2°49	6°40	n.a.	M 4
T 5	12 23 42	7°30'11	23°17	26°31	7°34	3°40	2°37	9°13	0°15	19°36	23°16	4° 0	2°45	6°47	n.a.	T 5
W 6	12 27 39	8°27'59	7♍12	26°55	8°46	4°23	2°43	9°20	0°18	19°35	23°17	4°R 0	2°42	6°53	n.a.	W 6
T 7	12 31 35	9°25'44	20°58	27°13	9°59	5° 6	2°48	9°27	0°20	19°34	23°18	3°59	2°39	7° 0	n.a.	T 7
F 8	12 35 32	10°23'29	4♎33	27°26	11°11	5°49	2°54	9°34	0°23	19°33	23°19	3°56	2°36	7° 7	n.a.	F 8
S 9	12 39 28	11°21'11	17°53	27°34	12°23	6°32	3° 0	9°41	0°26	19°32	23°20	3°52	2°33	7°13	n.a.	S 9
S 10	12 43 25	12°18'53	0♏57	27°R37	13°35	7°15	3° 6	9°48	0°28	19°31	23°21	3°46	2°30	7°20	n.a.	S 10
M11	12 47 21	13°16'33	13°45	27°36	14°47	7°59	3°13	9°55	0°31	19°29	23°23	3°39	2°26	7°27	n.a.	M11
T 12	12 51 18	14°14'11	26°16	27°29	15°59	8°41	3°19	10° 1	0°34	19°28	23°24	3°32	2°23	7°34	n.a.	T 12
W13	12 55 15	15°11'49	8♐33	27°18	17°12	9°24	3°26	10° 8	0°36	19°27	23°25	3°26	2°20	7°40	n.a.	W13
T 14	12 59 11	16° 9'25	20°38	27° 3	18°24	10° 7	3°32	10°15	0°39	19°26	23°26	3°21	2°17	7°47	n.a.	T 14
F 15	13 3 8	17° 7'00	2♑34	26°43	19°36	10°50	3°39	10°22	0°42	19°24	23°27	3°18	2°14	7°54	n.a.	F 15
S 16	13 7 4	18° 4'34	14°26	26°21	20°48	11°33	3°46	10°28	0°45	19°23	23°28	3°D17	2°11	8° 0	n.a.	S 16
S 17	13 11 1	19° 2'07	26°18	25°55	22° 1	12°16	3°53	10°35	0°48	19°22	23°29	3°17	2° 7	8° 7	n.a.	S 17
M18	13 14 57	19°59'39	8♒16	25°26	23°13	12°58	4° 0	10°42	0°51	19°20	23°30	3°18	2° 4	8°14	n.a.	M18
T 19	13 18 54	20°57'10	20°24	24°55	24°25	13°41	4° 8	10°48	0°54	19°19	23°30	3°20	2° 1	8°20	n.a.	T 19
W20	13 22 50	21°54'40	2♓48	24°22	25°38	14°23	4°15	10°54	0°57	19°18	23°31	3°R20	1°58	8°27	n.a.	W20
T 21	13 26 47	22°52'09	15°31	23°49	26°50	15° 6	4°23	11° 1	1° 0	19°16	23°32	3°20	1°55	8°34	n.a.	T 21
F 22	13 30 44	23°49'36	28°35	23°15	28° 3	15°48	4°30	11° 7	1° 3	19°15	23°33	3°17	1°51	8°41	n.a.	F 22
S 23	13 34 40	24°47'03	12♈ 2	22°41	29°15	16°31	4°38	11°14	1° 6	19°13	23°34	3°12	1°48	8°47	n.a.	S 23
S 24	13 38 37	25°44'29	25°51	22° 7	0♈28	17°13	4°46	11°20	1° 9	19°12	23°35	3° 5	1°45	8°54	n.a.	S 24
M25	13 42 33	26°41'53	9♉58	21°35	1°40	17°56	4°54	11°26	1°12	19°11	23°36	2°57	1°42	9° 1	n.a.	M25
T 26	13 46 30	27°39'17	24°18	21° 5	2°52	18°38	5° 3	11°32	1°15	19° 9	23°36	2°49	1°39	9° 7	n.a.	T 26
W27	13 50 26	28°36'40	8♊45	20°37	4° 5	19°20	5°11	11°38	1°18	19° 8	23°37	2°41	1°36	9°14	n.a.	W27
T 28	13 54 23	29°34'01	23°14	20°12	5°17	20° 2	5°19	11°44	1°21	19° 6	23°38	2°34	1°32	9°21	n.a.	T 28
F 29	13 58 19	0♉31'21	7♋39	19°49	6°30	20°44	5°28	11°50	1°24	19° 5	23°39	2°30	1°29	9°27	n.a.	F 29
S 30	14 2 16	1♉28'40	21♋56	19♈31	7♈43	21♈26	5♋37	11♓56	1♊28	19♏ 3	23♒39	2♓28	1♓26	9♉34	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n28	28n33	4n49	12n10	2n54	11s59	1s27	0s12	0s34	24n29	0n44	10s23	2s 8	20n29	0n 1	16s17	1n41	28s45	15s46	10s12	10s33	27s55		n.a.
S 2	1 51	27 29	4 10	12 26	2 54	11 33	1 28	0n 6	0 33	24 29	0 44	10 20	2 8	20 29	0 1	16 17	1 41	28 45	15 46	10 12	10 35	27 54		n.a.
S 3	2 15	24 38	3 17	12 39	2 52	11 8	1 29	0 24	0 32	24 29	0 44	10 18	2 8	20 30	0 2	16 17	1 41	28 45	15 46	10 12	10 36	27 53		n.a.
M 4	2 38	20 18	2 11	12 49	2 50	10 42	1 30	0 42	0 32	24 29	0 43	10 15	2 9	20 30	0 2	16 16	1 41	28 45	15 46	10 11	10 37	27 53		n.a.
T 5	3 1	14 52	0 58	12 57	2 46	10 16	1 32	1 0	0 31	24 28	0 43	10 13	2 9	20 31	0 2	16 16	1 41	28 45	15 47	10 11	10 38	27 52		n.a.
W 6	3 24	8 43	0s17	13 1	2 41	9 49	1 33	1 18	0 31	24 28	0 43	10 10	2 9	20 31	0 2	16 16	1 41	28 44	15 47	10 11	10 39	27 51		n.a.
T 7	3 47	2 14	1 31	13 2	2 35	9 22	1 34	1 36	0 30	24 28	0 43	10 7	2 9	20 32	0 2	16 15	1 41	28 44	15 47	10 11	10 40	27 50		n.a.
F 8	4 10	4s15	2 39	13 1	2 28	8 55	1 34	1 53	0 30	24 28	0 43	10 5	2 9	20 33	0 2	16 15	1 41	28 44	15 48	10 12	10 42	27 49		n.a.
S 9	4 33	10 26	3 36	12 56	2 20	8 28	1 35	2 11	0 29	24 28	0 43	10 2	2 9	20 33	0 2	16 15	1 41	28 44	15 48	10 14	10 43	27 48		n.a.
S 10	4 56	16 1	4 21	12 48	2 11	8 1	1 36	2 29	0 29	24 28	0 43	10 0	2 9	20 34	0 2	16 14	1 41	28 44	15 48	10 16	10 44	27 47		n.a.
M11	5 19	20 48	4 51	12 38	2 1	7 33	1 36	2 47	0 28	24 28	0 43	9 57	2 10	20 34	0 2	16 14	1 41	28 44	15 48	10 19	10 45	27 46		n.a.
T 12	5 41	24 33	5 7	12 25	1 49	7 5	1 37	3 4	0 27	24 27	0 43	9 55	2 10	20 35	0 2	16 14	1 41	28 44	15 49	10 21	10 46	27 46		n.a.
W13	6 4	27 6	5 8	12 9	1 37	6 37	1 38	3 22	0 27	24 27	0 43	9 52	2 10	20 35	0 2	16 13	1 41	28 44	15 49	10 23	10 47	27 45		n.a.
T 14	6 26	28 21	4 55	11 51	1 23	6 9	1 38	3 40	0 26	24 27	0 43	9 50	2 10	20 36	0 2	16 13	1 41	28 43	15 49	10 25	10 49	27 44		n.a.
F 15	6 49	28 15	4 30	11 31	1 9	5 40	1 38	3 57	0 26	24 27	0 43	9 47	2 10	20 37	0 2	16 13	1 41	28 43	15 50	10 26	10 50	27 43		n.a.
S 16	7 11	26 51	3 53	11 9	0 54	5 12	1 38	4 15	0 25	24 27	0 43	9 45	2 10	20 37	0 2	16 12	1 41	28 43	15 50	10 27	10 51	27 42		n.a.
S 17	7 33	24 14	3 7	10 44	0 38	4 43	1 39	4 32	0 25	24 26	0 43	9 43	2 11	20 38	0 2	16 12	1 41	28 43	15 50	10 26	10 52	27 41		n.a.
M18	7 55	20 34	2 11	10 18	0 22	4 14	1 39	4 50	0 24	24 26	0 43	9 40	2 11	20 38	0 2	16 11	1 41	28 43	15 50	10 26	10 53	27 40		n.a.
T 19	8 17	15 59	1 9	9 51	0 5	3 45	1 39	5 7	0 23	24 26	0 43	9 38	2 11	20 39	0 2	16 11	1 41	28 43	15 51	10 26	10 54	27 39		n.a.
W20	8 39	10 40	0 3	9 24	0s12	3 16	1 39	5 24	0 23	24 26	0 43	9 36	2 11	20 40	0 2	16 11	1 41	28 43	15 51	10 25	10 55	27 38		n.a.
T 21	9 1	4 47	1n 5	8 55	0 29	2 47	1 39	5 41	0 22	24 25	0 43	9 33	2 11	20 40	0 2	16 10	1 41	28 43	15 51	10 26	10 57	27 37		n.a.
F 22	9 22	1n26	2 12	8 26	0 46	2 17	1 38	5 58	0 22	24 25	0 43	9 31	2 11	20 41	0 2	16 10	1 41	28 43	15 52	10 27	10 58	27 36		n.a.
S 23	9 44	7 46	3 13	7 58	1 3	1 48	1 38	6 15	0 21	24 25	0 43	9 29	2 12	20 42	0 2	16 9	1 41	28 43	15 52	10 28	10 59	27 35		n.a.
S 24	10 5	13 54	4 4	7 30	1 20	1 18	1 38	6 32	0 20	24 24	0 43	9 26	2 12	20 42	0 2	16 9	1 41	28 43	15 52	10 31	11 0	27 34		n.a.
M25	10 26	19 27	4 41	7 3	1 36	0 49	1 37	6 49	0 20	24 24	0 43	9 24	2 12	20 43	0 2	16 9	1 41	28 43	15 53	10 34	11 1	27 33		n.a.
T 26	10 47	23 59	5 2	6 37	1 51	0 19	1 37	7 6	0 19	24 24	0 43	9 22	2 12	20 44	0 2	16 8	1 41	28 43	15 53	10 37	11 2	27 32		n.a.
W27	11 8	27 4	5 4	6 13	2 6	0n10	1 36	7 23	0 19	24 23	0 43	9 20	2 12	20 44	0 2	16 8	1 41	28 43	15 53	10 40	11 3	27 31		n.a.
T 28	11 28	28 21	4 46	5 51	2 20	0 40	1 36	7 40	0 18	24 23	0 43	9 18	2 13	20 45	0 2	16 7	1 41	28 43	15 54	10 42	11 5	27 30		n.a.
F 29	11 49	27 43	4 10	5 30	2 33	1 10	1 35	7 56	0 17	24 23	0 43	9 16	2 13	20 46	0 2	16 7	1 41	28 43	15 54	10 44	11 6	27 29		n.a.
S 30	12n 9	25n14	3n19	5n12	2s45	1n39	1s34	8n13	0s17	24n22	0n43	9s13	2s13	20n46	0n 2	16s 6	1n41	28s43	15s54	10s44	11s 7	27s28		n.a.

Julian Day Number = 1482274.5, Delta T = 05h21m42s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'58, Lahiri = -12°59'58 Julian Calendar 1 Apr. 655 BCE == Greg. Calendar 25 March 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

MAY 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 6 13	2♉25'57	6♌ 3	19°R16	8♈55	22♈ 8	5♋45	12♓ 2	1♊31	19°R 2	23♒40	2°D28	1♓23	9♑41	n.a.	S 1
M 2	14 10 9	3°23'14	19°58	19♈ 5	10° 8	22°50	5°54	12° 8	1°34	19♏ 0	23°41	2♓28	1°20	9°47	n.a.	M 2
T 3	14 14 6	4°20'29	3♍42	18°58	11°20	23°32	6° 3	12°14	1°37	18°58	23°41	2°R29	1°17	9°54	n.a.	T 3
W 4	14 18 2	5°17'43	17°15	18°D56	12°33	24°14	6°12	12°19	1°41	18°57	23°42	2°28	1°13	10° 1	n.a.	W 4
T 5	14 21 59	6°14'56	0♎37	18°58	13°45	24°56	6°22	12°25	1°44	18°55	23°43	2°25	1°10	10° 8	n.a.	T 5
F 6	14 25 55	7°12'08	13°48	19° 4	14°58	25°37	6°31	12°30	1°47	18°54	23°43	2°19	1° 7	10°14	n.a.	F 6
S 7	14 29 52	8° 9'19	26°47	19°15	16°11	26°19	6°40	12°36	1°51	18°52	23°44	2°11	1° 4	10°21	n.a.	S 7
S 8	14 33 48	9° 6'30	9♏34	19°31	17°23	27° 1	6°50	12°41	1°54	18°51	23°44	2° 0	1° 1	10°28	n.a.	S 8
M 9	14 37 45	10° 3'40	22° 9	19°51	18°36	27°42	7° 0	12°47	1°58	18°49	23°45	1°49	0°57	10°34	n.a.	M 9
T 10	14 41 42	11° 0'49	4♐32	20°16	19°49	28°24	7° 9	12°52	2° 1	18°47	23°45	1°37	0°54	10°41	n.a.	T 10
W11	14 45 38	11°57'58	16°42	20°45	21° 1	29° 5	7°19	12°57	2° 4	18°46	23°46	1°26	0°51	10°48	n.a.	W11
T 12	14 49 35	12°55'07	28°43	21°18	22°14	29°47	7°29	13° 2	2° 8	18°44	23°46	1°17	0°48	10°54	n.a.	T 12
F 13	14 53 31	13°52'15	10♑37	21°56	23°27	0♉28	7°39	13° 7	2°11	18°43	23°47	1°10	0°45	11° 1	n.a.	F 13
S 14	14 57 28	14°49'23	22°27	22°37	24°40	1°10	7°49	13°12	2°15	18°41	23°47	1° 5	0°42	11° 8	n.a.	S 14
S 15	15 1 24	15°46'31	4♒18	23°23	25°53	1°51	7°59	13°17	2°18	18°39	23°48	1° 3	0°38	11°14	n.a.	S 15
M16	15 5 21	16°43'38	16°15	24°13	27° 5	2°32	8° 9	13°22	2°22	18°38	23°48	1°D 3	0°35	11°21	n.a.	M16
T 17	15 9 18	17°40'45	28°22	25° 7	28°18	3°13	8°20	13°27	2°25	18°36	23°48	1°R 3	0°32	11°28	n.a.	T 17
W18	15 13 14	18°37'53	10♓46	26° 5	29°31	3°54	8°30	13°31	2°29	18°35	23°49	1° 3	0°29	11°35	n.a.	W18
T 19	15 17 11	19°35'00	23°31	27° 7	0♉44	4°36	8°41	13°36	2°32	18°33	23°49	1° 1	0°26	11°41	n.a.	T 19
F 20	15 21 7	20°32'07	6♈40	28°12	1°57	5°17	8°51	13°40	2°36	18°31	23°49	0°57	0°22	11°48	n.a.	F 20
S 21	15 25 4	21°29'14	20°17	29°21	3°10	5°58	9° 2	13°45	2°39	18°30	23°49	0°51	0°19	11°55	n.a.	S 21
S 22	15 29 0	22°26'21	4♉20	0♉34	4°23	6°39	9°13	13°49	2°43	18°28	23°50	0°42	0°16	12° 1	n.a.	S 22
M23	15 32 57	23°23'28	18°46	1°51	5°36	7°19	9°23	13°53	2°47	18°26	23°50	0°31	0°13	12° 8	n.a.	M23
T 24	15 36 53	24°20'35	3♊30	3°11	6°49	8° 0	9°34	13°58	2°50	18°25	23°50	0°20	0°10	12°15	n.a.	T 24
W25	15 40 50	25°17'42	18°22	4°34	8° 2	8°41	9°45	14° 2	2°54	18°23	23°50	0°10	0° 7	12°21	n.a.	W25
T 26	15 44 47	26°14'49	3♋14	6° 1	9°15	9°22	9°56	14° 6	2°57	18°22	23°50	0° 1	0° 3	12°28	n.a.	T 26
F 27	15 48 43	27°11'55	17°59	7°32	10°28	10° 3	10° 8	14°10	3° 1	18°20	23°51	29♒55	0° 0	12°35	n.a.	F 27
S 28	15 52 40	28° 9'01	2♌30	9° 6	11°41	10°43	10°19	14°14	3° 5	18°18	23°51	29°51	29♒57	12°41	n.a.	S 28
S 29	15 56 36	29° 6'07	16°43	10°43	12°54	11°24	10°30	14°17	3° 8	18°17	23°51	29°50	29°54	12°48	n.a.	S 29
M30	16 0 33	0♊ 3'13	0♍37	12°23	14° 7	12° 4	10°41	14°21	3°12	18°15	23°51	29°50	29°51	12°55	n.a.	M30
T 31	16 4 29	1♊ 0'18	14♍13	14♉ 7	15♉21	12♉45	10♋53	14♓25	3♊15	18♏14	23♒51	29♒50	29♒48	13♑ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	12n29	21n13	2n16	4n56	2s56	2n 9	1s34	8n29	0s16	24n22	0n43	9s11	2s13	20n47	0n 2	16s 6	1n41	28s43	15s55	10s45	11s 8	27s27			n.a.
M 2	12 49	16 5	1 6	4 43	3 5	2 39	1 33	8 46	0 16	24 22	0 43	9 9	2 13	20 48	0 2	16 6	1 41	28 44	15 55	10 44	11 9	27 26			n.a.
T 3	13 9	10 11	0s 7	4 33	3 14	3 8	1 32	9 2	0 15	24 21	0 43	9 7	2 14	20 48	0 2	16 5	1 41	28 44	15 55	10 44	11 10	27 25			n.a.
W 4	13 28	3 55	1 18	4 25	3 21	3 38	1 31	9 18	0 14	24 21	0 43	9 5	2 14	20 49	0 2	16 5	1 41	28 44	15 56	10 45	11 11	27 24			n.a.
T 5	13 47	2s27	2 24	4 20	3 28	4 8	1 30	9 34	0 14	24 20	0 43	9 3	2 14	20 50	0 2	16 4	1 41	28 44	15 56	10 46	11 13	27 23			n.a.
F 6	14 7	8 36	3 21	4 17	3 33	4 37	1 29	9 50	0 13	24 20	0 43	9 1	2 14	20 50	0 2	16 4	1 41	28 44	15 56	10 48	11 14	27 22			n.a.
S 7	14 25	14 18	4 7	4 18	3 37	5 6	1 27	10 6	0 13	24 19	0 43	8 59	2 14	20 51	0 2	16 3	1 41	28 44	15 57	10 51	11 15	27 20			n.a.
S 8	14 44	19 17	4 39	4 21	3 40	5 36	1 26	10 22	0 12	24 19	0 43	8 57	2 15	20 52	0 2	16 3	1 41	28 44	15 57	10 54	11 16	27 19			n.a.
M 9	15 2	23 21	4 58	4 27	3 42	6 5	1 25	10 38	0 11	24 18	0 43	8 56	2 15	20 52	0 2	16 3	1 41	28 44	15 58	10 59	11 17	27 18			n.a.
T 10	15 20	26 17	5 1	4 35	3 43	6 34	1 24	10 53	0 11	24 18	0 43	8 54	2 15	20 53	0 2	16 2	1 41	28 45	15 58	11 3	11 18	27 17			n.a.
W11	15 38	27 56	4 51	4 46	3 43	7 3	1 22	11 9	0 10	24 17	0 43	8 52	2 15	20 54	0 2	16 2	1 41	28 45	15 58	11 7	11 19	27 16			n.a.
T 12	15 56	28 15	4 28	5 0	3 42	7 32	1 21	11 24	0 10	24 17	0 43	8 50	2 16	20 55	0 2	16 1	1 41	28 45	15 59	11 10	11 21	27 15			n.a.
F 13	16 13	27 14	3 54	5 16	3 40	8 1	1 19	11 39	0 9	24 16	0 43	8 48	2 16	20 55	0 2	16 1	1 41	28 45	15 59	11 13	11 22	27 14			n.a.
S 14	16 31	24 59	3 10	5 34	3 37	8 29	1 18	11 55	0 8	24 15	0 43	8 47	2 16	20 56	0 2	16 0	1 41	28 45	15 59	11 14	11 23	27 13			n.a.
S 15	16 48	21 40	2 17	5 55	3 33	8 57	1 16	12 10	0 8	24 15	0 43	8 45	2 16	20 57	0 2	16 0	1 41	28 45	16 0	11 15	11 24	27 11			n.a.
M16	17 4	17 25	1 18	6 17	3 29	9 26	1 14	12 25	0 7	24 14	0 43	8 43	2 16	20 57	0 2	15 59	1 41	28 46	16 0	11 15	11 25	27 10			n.a.
T 17	17 21	12 26	0 14	6 42	3 24	9 54	1 13	12 40	0 6	24 13	0 43	8 42	2 17	20 58	0 2	15 59	1 41	28 46	16 0	11 15	11 26	27 9			n.a.
W18	17 37	6 51	0n51	7 9	3 18	10 21	1 11	12 54	0 6	24 13	0 43	8 40	2 17	20 59	0 2	15 59	1 41	28 46	16 1	11 15	11 27	27 8			n.a.
T 19	17 53	0 50	1 56	7 37	3 11	10 49	1 9	13 9	0 5	24 12	0 43	8 39	2 17	21 0	0 2	15 58	1 41	28 46	16 1	11 16	11 29	27 7			n.a.
F 20	18 8	5n23	2 57	8 7	3 4	11 16	1 7	13 23	0 5	24 11	0 43	8 37	2 17	21 0	0 2	15 58	1 41	28 47	16 2	11 17	11 30	27 5			n.a.
S 21	18 23	11 34	3 49	8 39	2 56	11 43	1 5	13 38	0 4	24 11	0 43	8 35	2 18	21 1	0 2	15 57	1 41	28 47	16 2	11 20	11 31	27 4			n.a.
S 22	18 38	17 22	4 30	9 13	2 48	12 10	1 3	13 52	0 3	24 10	0 43	8 34	2 18	21 2	0 2	15 57	1 41	28 47	16 2	11 23	11 32	27 3			n.a.
M23	18 53	22 21	4 54	9 48	2 39	12 37	1 1	14 6	0 3	24 9	0 43	8 33	2 18	21 2	0 2	15 56	1 41	28 47	16 3	11 27	11 33	27 2			n.a.
T 24	19 7	26 3	5 0	10 25	2 29	13 3	0 59	14 20	0 2	24 8	0 43	8 31	2 18	21 3	0 2	15 56	1 41	28 48	16 3	11 31	11 34	27 1			n.a.
W25	19 21	28 0	4 46	11 2	2 19	13 29	0 57	14 34	0 2	24 8	0 43	8 30	2 19	21 4	0 2	15 55	1 41	28 48	16 3	11 34	11 35	26 59			n.a.
T 26	19 35	27 56	4 12	11 41	2 9	13 54	0 55	14 48	0 1	24 7	0 43	8 28	2 19	21 5	0 2	15 55	1 41	28 48	16 4	11 37	11 37	26 58			n.a.
F 27	19 49	25 53	3 22	12 21	1 58	14 20	0 53	15 2	0 0	24 6	0 43	8 27	2 19	21 5	0 2	15 55	1 41	28 49	16 4	11 40	11 38	26 57			n.a.
S 28	20 2	22 8	2 19	13 2	1 47	14 45	0 51	15 15	0n 0	24 5	0 43	8 26	2 19	21 6	0 2	15 54	1 41	28 49	16 5	11 41	11 39	26 56			n.a.
S 29	20 14	17 8	1 9	13 44	1 36	15 9	0 49	15 29	0 1	24 4	0 43	8 25	2 20	21 7	0 2	15 54	1 41	28 49	16 5	11 41	11 40	26 54			n.a.
M30	20 27	11 21	0s 4	14 26	1 24	15 34	0 47	15 42	0 2	24 3	0 43	8 23	2 20	21 7	0 2	15 53	1 41	28 50	16 5	11 41	11 41	26 53			n.a.
T 31	20n39	5n 8	1s15	15n 9	1s13	15n57	0s44	15n55	0n 2	24n 2	0n43	8s22	2s20	21n 8	0n 2	15s53	1n41	28s50	16s 6	11s42	11s42	26s52			n.a.

Julian Day Number = 1482304.5, Delta T = 05h21m41s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'54, Lahiri = -12°59'54 Julian Calendar 1 May 655 BCE == Greg. Calendar 24 Apr. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

JUNE 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 8 26	1♊57'23	27♍33	15♉54	16♉34	13♉25	11♋ 4	14♓28	3♊19	18°R12	23°R51	29°R48	29♒44	13♑ 8	n.a.	W 1
T 2	16 12 23	2°54'28	10♎38	17°44	17°47	14° 6	11°16	14°31	3°23	18♏11	23♒51	29♒44	29°41	13°15	n.a.	T 2
F 3	16 16 19	3°51'33	23°30	19°36	19° 0	14°46	11°27	14°35	3°26	18° 9	23°51	29°38	29°38	13°22	n.a.	F 3
S 4	16 20 16	4°48'38	6♏11	21°31	20°13	15°27	11°39	14°38	3°30	18° 8	23°51	29°28	29°35	13°28	n.a.	S 4
S 5	16 24 12	5°45'43	18°41	23°29	21°27	16° 7	11°51	14°41	3°33	18° 6	23°51	29°17	29°32	13°35	n.a.	S 5
M 6	16 28 9	6°42'48	1♐ 1	25°29	22°40	16°47	12° 2	14°44	3°37	18° 5	23°51	29° 4	29°28	13°42	n.a.	M 6
T 7	16 32 5	7°39'54	13°12	27°32	23°53	17°27	12°14	14°47	3°41	18° 3	23°50	28°51	29°25	13°48	n.a.	T 7
W 8	16 36 2	8°37'00	25°15	29°35	25° 7	18° 7	12°26	14°50	3°44	18° 2	23°50	28°38	29°22	13°55	n.a.	W 8
T 9	16 39 58	9°34'07	7♑10	1♊41	26°20	18°48	12°38	14°53	3°48	18° 0	23°50	28°28	29°19	14° 2	n.a.	T 9
F 10	16 43 55	10°31'14	19° 1	3°47	27°33	19°28	12°50	14°55	3°51	17°59	23°50	28°20	29°16	14° 8	n.a.	F 10
S 11	16 47 52	11°28'22	0♒49	5°55	28°47	20° 8	13° 2	14°58	3°55	17°57	23°50	28°14	29°13	14°15	n.a.	S 11
S 12	16 51 48	12°25'30	12°39	8° 3	0♊ 0	20°48	13°14	15° 0	3°59	17°56	23°49	28°11	29° 9	14°22	n.a.	S 12
M13	16 55 45	13°22'39	24°35	10°11	1°14	21°27	13°26	15° 3	4° 2	17°54	23°49	28°D10	29° 6	14°28	n.a.	M13
T 14	16 59 41	14°19'49	6♓41	12°20	2°27	22° 7	13°38	15° 5	4° 6	17°53	23°49	28°10	29° 3	14°35	n.a.	T 14
W15	17 3 38	15°17'00	19° 3	14°28	3°41	22°47	13°51	15° 7	4° 9	17°51	23°49	28°R10	29° 0	14°42	n.a.	W15
T 16	17 7 34	16°14'11	1♈46	16°36	4°54	23°27	14° 3	15° 9	4°13	17°50	23°48	28° 9	28°57	14°49	n.a.	T 16
F 17	17 11 31	17°11'24	14°54	18°43	6° 8	24° 7	14°15	15°11	4°16	17°49	23°48	28° 7	28°54	14°55	n.a.	F 17
S 18	17 15 27	18° 8'38	28°31	20°49	7°21	24°46	14°27	15°13	4°20	17°47	23°48	28° 1	28°50	15° 2	n.a.	S 18
S 19	17 19 24	19° 5'52	12♉37	22°54	8°35	25°26	14°40	15°15	4°23	17°46	23°47	27°54	28°47	15° 9	n.a.	S 19
M20	17 23 21	20° 3'08	27°10	24°58	9°48	26° 6	14°52	15°16	4°27	17°45	23°47	27°45	28°44	15°15	n.a.	M20
T 21	17 27 17	21° 0'24	12♊ 4	27° 0	11° 2	26°45	15° 5	15°18	4°31	17°43	23°46	27°35	28°41	15°22	n.a.	T 21
W22	17 31 14	21°57'42	27°12	29° 1	12°16	27°25	15°17	15°20	4°34	17°42	23°46	27°26	28°38	15°29	n.a.	W22
T 23	17 35 10	22°55'00	12♋22	1♋ 1	13°30	28° 4	15°30	15°21	4°37	17°41	23°45	27°18	28°34	15°35	n.a.	T 23
F 24	17 39 7	23°52'19	27°25	2°59	14°43	28°44	15°42	15°22	4°41	17°40	23°45	27°13	28°31	15°42	n.a.	F 24
S 25	17 43 3	24°49'39	12♌13	4°56	15°57	29°23	15°55	15°23	4°44	17°38	23°44	27°10	28°28	15°49	n.a.	S 25
S 26	17 47 0	25°46'59	26°39	6°51	17°11	0♊ 2	16° 8	15°24	4°48	17°37	23°44	27°D 9	28°25	15°55	n.a.	S 26
M27	17 50 57	26°44'20	10♍41	8°44	18°25	0°42	16°20	15°25	4°51	17°36	23°43	27° 9	28°22	16° 2	n.a.	M27
T 28	17 54 53	27°41'42	24°20	10°36	19°38	1°21	16°33	15°26	4°55	17°35	23°43	27°R10	28°19	16° 9	n.a.	T 28
W29	17 58 50	28°39'04	7♎37	12°26	20°52	2° 0	16°46	15°27	4°58	17°34	23°42	27° 9	28°15	16°15	n.a.	W29
T 30	18 2 46	29♊36'27	20♎34	14♋14	22♊ 6	2♊39	16♋59	15♓27	5♊ 1	17♏33	23♒42	27♒ 7	28♒12	16♑22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n51	1s10	2s21	15n52	1s 1	16n21	0s42	16n 8	0n 3	24n 1	0n43	8s21	2s21	21n 9	0n 2	15s53	1n41	28s50	16s 6	11s42	11s43	26s50		n.a.
T 2	21 2	7 17	3 18	16 35	0 49	16 44	0 40	16 21	0 3	24 0	0 43	8 20	2 21	21 10	0 2	15 52	1 41	28 51	16 6	11 43	11 44	26 49		n.a.
F 3	21 13	13 0	4 3	17 17	0 37	17 7	0 38	16 34	0 4	23 59	0 43	8 19	2 21	21 10	0 2	15 52	1 41	28 51	16 7	11 46	11 46	26 48		n.a.
S 4	21 24	18 6	4 36	18 0	0 25	17 29	0 35	16 46	0 5	23 58	0 43	8 18	2 21	21 11	0 2	15 51	1 41	28 51	16 7	11 49	11 47	26 47		n.a.
S 5	21 34	22 20	4 55	18 42	0 13	17 51	0 33	16 59	0 5	23 57	0 43	8 17	2 22	21 12	0 2	15 51	1 41	28 52	16 8	11 53	11 48	26 45		n.a.
M 6	21 44	25 32	5 0	19 22	0 2	18 12	0 31	17 11	0 6	23 56	0 43	8 16	2 22	21 12	0 2	15 50	1 41	28 52	16 8	11 58	11 49	26 44		n.a.
T 7	21 54	27 31	4 51	20 2	0n 9	18 33	0 28	17 23	0 7	23 55	0 43	8 15	2 22	21 13	0 2	15 50	1 41	28 52	16 8	12 2	11 50	26 43		n.a.
W 8	22 3	28 10	4 29	20 40	0 20	18 54	0 26	17 35	0 7	23 54	0 43	8 14	2 23	21 14	0 2	15 50	1 41	28 53	16 9	12 7	11 51	26 41		n.a.
T 9	22 12	27 30	3 55	21 17	0 31	19 14	0 23	17 47	0 8	23 53	0 43	8 14	2 23	21 14	0 2	15 49	1 41	28 53	16 9	12 10	11 52	26 40		n.a.
F 10	22 20	25 34	3 12	21 52	0 40	19 33	0 21	17 59	0 8	23 52	0 43	8 13	2 23	21 15	0 2	15 49	1 41	28 54	16 9	12 13	11 53	26 39		n.a.
S 11	22 28	22 31	2 20	22 25	0 50	19 52	0 19	18 10	0 9	23 51	0 43	8 12	2 23	21 16	0 2	15 49	1 41	28 54	16 10	12 15	11 55	26 37		n.a.
S 12	22 36	18 33	1 21	22 55	0 59	20 10	0 16	18 22	0 10	23 50	0 43	8 11	2 24	21 17	0 2	15 48	1 41	28 54	16 10	12 16	11 56	26 36		n.a.
M13	22 44	13 49	0 19	23 24	1 7	20 28	0 14	18 33	0 10	23 48	0 43	8 11	2 24	21 17	0 2	15 48	1 41	28 55	16 11	12 17	11 57	26 34		n.a.
T 14	22 50	8 29	0n45	23 49	1 14	20 46	0 11	18 44	0 11	23 47	0 43	8 10	2 24	21 18	0 2	15 47	1 41	28 55	16 11	12 17	11 58	26 33		n.a.
W15	22 57	2 44	1 49	24 12	1 21	21 2	0 9	18 55	0 12	23 46	0 43	8 10	2 25	21 19	0 2	15 47	1 41	28 56	16 11	12 17	11 59	26 32		n.a.
T 16	23 3	3n17	2 48	24 32	1 27	21 18	0 6	19 6	0 12	23 45	0 43	8 9	2 25	21 19	0 2	15 47	1 41	28 56	16 12	12 17	12 0	26 30		n.a.
F 17	23 9	9 21	3 41	24 50	1 33	21 34	0 4	19 16	0 13	23 43	0 44	8 8	2 25	21 20	0 2	15 46	1 41	28 57	16 12	12 18	12 1	26 29		n.a.
S 18	23 14	15 12	4 24	25 4	1 37	21 49	0 2	19 27	0 14	23 42	0 44	8 8	2 25	21 21	0 2	15 46	1 41	28 57	16 12	12 20	12 2	26 28		n.a.
S 19	23 19	20 28	4 52	25 16	1 41	22 3	0n 1	19 37	0 14	23 41	0 44	8 8	2 26	21 21	0 2	15 46	1 40	28 58	16 13	12 22	12 4	26 26		n.a.
M20	23 24	24 42	5 3	25 25	1 45	22 17	0 3	19 47	0 15	23 39	0 44	8 7	2 26	21 22	0 2	15 45	1 40	28 58	16 13	12 25	12 5	26 25		n.a.
T 21	23 28	27 24	4 53	25 32	1 47	22 30	0 6	19 57	0 15	23 38	0 44	8 7	2 26	21 23	0 2	15 45	1 40	28 59	16 13	12 29	12 6	26 23		n.a.
W22	23 32	28 8	4 23	25 35	1 49	22 43	0 8	20 7	0 16	23 37	0 44	8 7	2 27	21 23	0 2	15 45	1 40	28 59	16 14	12 32	12 7	26 22		n.a.
T 23	23 35	26 45	3 35	25 37	1 50	22 55	0 10	20 17	0 17	23 35	0 44	8 6	2 27	21 24	0 2	15 44	1 40	28 59	16 14	12 35	12 8	26 20		n.a.
F 24	23 38	23 27	2 32	25 35	1 51	23 6	0 13	20 26	0 17	23 34	0 44	8 6	2 27	21 25	0 2	15 44	1 40	29 0	16 14	12 37	12 9	26 19		n.a.
S 25	23 40	18 38	1 19	25 32	1 51	23 17	0 15	20 36	0 18	23 32	0 44	8 6	2 28	21 25	0 2	15 44	1 40	29 0	16 15	12 38	12 10	26 17		n.a.
S 26	23 42	12 51	0 3	25 26	1 50	23 26	0 18	20 45	0 19	23 31	0 44	8 6	2 28	21 26	0 2	15 44	1 40	29 1	16 15	12 38	12 11	26 16		n.a.
M27	23 44	6 34	1s12	25 18	1 49	23 36	0 20	20 54	0 19	23 29	0 44	8 6	2 28	21 27	0 2	15 43	1 40	29 1	16 15	12 38	12 13	26 15		n.a.
T 28	23 45	0 9	2 20	25 7	1 47	23 44	0 22	21 3	0 20	23 28	0 44	8 6	2 28	21 27	0 2	15 43	1 40	29 2	16 16	12 38	12 14	26 13		n.a.
W29	23 46	6s 6	3 19	24 55	1 45	23 52	0 25	21 11	0 20	23 26	0 44	8 6	2 29	21 28	0 2	15 43	1 40	29 2	16 16	12 38	12 15	26 12		n.a.
T 30	23n47	11s56	4s 6	24n41	1n42	23n59	0n27	21n20	0n21	23n25	0n44	8s 6	2s29	21n28	0n 2	15s42	1n40	29s 3	16s16	12s39	12s16	26s10		n.a.

Julian Day Number = 1482335.5, Delta T = 05h21m39s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'50, Lahiri = -12°59'50 Julian Calendar 1 June 655 BCE == Greg. Calendar 25 May 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

JULY 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 6 43	0♋33'51	3♏15	16♋ 1	23♊20	3♊19	17♋11	15♓28	5♊ 5	17°R32	23°R41	27°R 3	28♒ 9	16♑29	n.a.	F 1
S 2	18 10 39	1°31'16	15°43	17°47	24°34	3°58	17°24	15°28	5° 8	17♏31	23♒40	26♒56	28° 6	16°35	n.a.	S 2
S 3	18 14 36	2°28'42	28° 0	19°30	25°48	4°37	17°37	15°29	5°11	17°30	23°40	26°48	28° 3	16°42	n.a.	S 3
M 4	18 18 32	3°26'09	10♐ 8	21°12	27° 2	5°16	17°50	15°29	5°15	17°29	23°39	26°38	28° 0	16°49	n.a.	M 4
T 5	18 22 29	4°23'37	22° 9	22°53	28°16	5°55	18° 3	15°R29	5°18	17°28	23°38	26°29	27°56	16°55	n.a.	T 5
W 6	18 26 26	5°21'07	4♑ 4	24°32	29°30	6°33	18°16	15°29	5°21	17°27	23°38	26°19	27°53	17° 2	n.a.	W 6
T 7	18 30 22	6°18'37	15°56	26° 9	0♋44	7°12	18°29	15°29	5°25	17°26	23°37	26°12	27°50	17° 9	n.a.	T 7
F 8	18 34 19	7°16'09	27°45	27°45	1°58	7°51	18°42	15°29	5°28	17°25	23°36	26° 6	27°47	17°16	n.a.	F 8
S 9	18 38 15	8°13'43	9♒34	29°19	3°12	8°30	18°55	15°28	5°31	17°24	23°35	26° 2	27°44	17°22	n.a.	S 9
S 10	18 42 12	9°11'18	21°26	0♌52	4°26	9° 9	19° 8	15°28	5°34	17°23	23°35	26°D 1	27°40	17°29	n.a.	S 10
M11	18 46 8	10° 8'54	3♓23	2°23	5°40	9°47	19°21	15°27	5°37	17°22	23°34	26° 1	27°37	17°36	n.a.	M11
T 12	18 50 5	11° 6'32	15°31	3°53	6°55	10°26	19°34	15°27	5°40	17°21	23°33	26° 2	27°34	17°42	n.a.	T 12
W13	18 54 1	12° 4'11	27°54	5°21	8° 9	11° 5	19°47	15°26	5°43	17°21	23°32	26° 3	27°31	17°49	n.a.	W13
T 14	18 57 58	13° 1'53	10♈35	6°47	9°23	11°43	20° 0	15°25	5°46	17°20	23°31	26°R 4	27°28	17°56	n.a.	T 14
F 15	19 1 55	13°59'36	23°39	8°12	10°37	12°22	20°13	15°24	5°49	17°19	23°30	26° 4	27°25	18° 2	n.a.	F 15
S 16	19 5 51	14°57'21	7♉10	9°35	11°52	13° 0	20°26	15°23	5°52	17°18	23°29	26° 2	27°21	18° 9	n.a.	S 16
S 17	19 9 48	15°55'07	21°10	10°56	13° 6	13°39	20°39	15°22	5°55	17°18	23°29	25°58	27°18	18°16	n.a.	S 17
M18	19 13 44	16°52'56	5♊36	12°16	14°20	14°17	20°52	15°21	5°58	17°17	23°28	25°53	27°15	18°22	n.a.	M18
T 19	19 17 41	17°50'47	20°27	13°34	15°34	14°55	21° 5	15°19	6° 1	17°17	23°27	25°47	27°12	18°29	n.a.	T 19
W20	19 21 37	18°48'39	5♋35	14°50	16°49	15°34	21°18	15°18	6° 4	17°16	23°26	25°42	27° 9	18°36	n.a.	W20
T 21	19 25 34	19°46'33	20°50	16° 4	18° 3	16°12	21°31	15°16	6° 7	17°15	23°25	25°38	27° 6	18°42	n.a.	T 21
F 22	19 29 31	20°44'29	6♌ 1	17°16	19°18	16°50	21°44	15°15	6°10	17°15	23°24	25°35	27° 2	18°49	n.a.	F 22
S 23	19 33 27	21°42'26	21° 0	18°27	20°32	17°28	21°58	15°13	6°13	17°15	23°23	25°D33	26°59	18°56	n.a.	S 23
S 24	19 37 24	22°40'24	5♍39	19°35	21°47	18° 7	22°11	15°11	6°15	17°14	23°22	25°34	26°56	19° 2	n.a.	S 24
M25	19 41 20	23°38'24	19°53	20°41	23° 1	18°45	22°24	15° 9	6°18	17°14	23°21	25°35	26°53	19° 9	n.a.	M25
T 26	19 45 17	24°36'26	3♎41	21°44	24°16	19°23	22°37	15° 7	6°21	17°13	23°20	25°36	26°50	19°16	n.a.	T 26
W27	19 49 13	25°34'29	17° 2	22°45	25°30	20° 1	22°50	15° 5	6°24	17°13	23°19	25°38	26°46	19°22	n.a.	W27
T 28	19 53 10	26°32'33	0♏ 1	23°44	26°45	20°39	23° 3	15° 2	6°26	17°13	23°18	25°R38	26°43	19°29	n.a.	T 28
F 29	19 57 6	27°30'40	12°39	24°40	27°59	21°17	23°16	15° 0	6°29	17°12	23°17	25°37	26°40	19°36	n.a.	F 29
S 30	20 1 3	28°28'47	25° 2	25°33	29°14	21°55	23°29	14°58	6°31	17°12	23°16	25°34	26°37	19°42	n.a.	S 30
S 31	20 4 59	29♋26'57	7♐11	26♌23	0♌28	22♊32	23♋42	14♓55	6♊34	17♏12	23♒14	25♒31	26♒34	19♑49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n46	17s 9	4s40	24n26	1n38	24n 5	0n29	21n28	0n22	23n23	0n44	8s 6	2s29	21n29	0n 2	15s42	1n40	29s 4	16s17	12s40	12s17	26s 9		n.a.
S 2	23 46	21 33	5 0	24 8	1 35	24 11	0 31	21 36	0 22	23 21	0 44	8 6	2 30	21 30	0 2	15 42	1 40	29 4	16 17	12 42	12 18	26 7		n.a.
S 3	23 45	24 57	5 5	23 49	1 30	24 16	0 33	21 44	0 23	23 20	0 44	8 6	2 30	21 30	0 2	15 42	1 40	29 5	16 17	12 45	12 19	26 6		n.a.
M 4	23 44	27 11	4 57	23 29	1 26	24 20	0 36	21 52	0 24	23 18	0 44	8 6	2 30	21 31	0 2	15 41	1 40	29 5	16 18	12 49	12 20	26 4		n.a.
T 5	23 42	28 8	4 36	23 7	1 20	24 24	0 38	22 0	0 24	23 16	0 44	8 6	2 31	21 31	0 2	15 41	1 40	29 6	16 18	12 52	12 21	26 2		n.a.
W 6	23 40	27 45	4 2	22 45	1 15	24 26	0 40	22 7	0 25	23 15	0 44	8 7	2 31	21 32	0 2	15 41	1 40	29 6	16 18	12 55	12 23	26 1		n.a.
T 7	23 37	26 6	3 19	22 21	1 9	24 28	0 42	22 14	0 26	23 13	0 44	8 7	2 31	21 33	0 2	15 41	1 40	29 7	16 18	12 58	12 24	25 59		n.a.
F 8	23 34	23 18	2 26	21 56	1 3	24 30	0 44	22 21	0 26	23 11	0 45	8 7	2 31	21 33	0 2	15 41	1 40	29 7	16 19	13 0	12 25	25 58		n.a.
S 9	23 31	19 31	1 28	21 30	0 56	24 30	0 46	22 28	0 27	23 9	0 45	8 8	2 32	21 34	0 2	15 40	1 40	29 8	16 19	13 1	12 26	25 56		n.a.
S 10	23 27	14 57	0 25	21 3	0 49	24 30	0 48	22 35	0 28	23 8	0 45	8 8	2 32	21 34	0 2	15 40	1 40	29 8	16 19	13 2	12 27	25 55		n.a.
M11	23 23	9 47	0n40	20 35	0 42	24 29	0 50	22 42	0 28	23 6	0 45	8 9	2 32	21 35	0 2	15 40	1 39	29 9	16 20	13 2	12 28	25 53		n.a.
T 12	23 18	4 12	1 44	20 7	0 35	24 27	0 52	22 48	0 29	23 4	0 45	8 9	2 33	21 36	0 2	15 40	1 39	29 9	16 20	13 1	12 29	25 52		n.a.
W13	23 13	1n39	2 44	19 38	0 27	24 25	0 54	22 54	0 29	23 2	0 45	8 10	2 33	21 36	0 2	15 40	1 39	29 10	16 20	13 1	12 30	25 50		n.a.
T 14	23 8	7 35	3 38	19 9	0 19	24 22	0 55	23 0	0 30	23 0	0 45	8 10	2 33	21 37	0 2	15 39	1 39	29 10	16 20	13 0	12 31	25 48		n.a.
F 15	23 2	13 22	4 22	18 39	0 11	24 18	0 57	23 6	0 31	22 58	0 45	8 11	2 33	21 37	0 2	15 39	1 39	29 11	16 21	13 1	12 33	25 47		n.a.
S 16	22 55	18 43	4 54	18 8	0 2	24 13	0 59	23 12	0 31	22 56	0 45	8 12	2 34	21 38	0 2	15 39	1 39	29 12	16 21	13 1	12 34	25 45		n.a.
S 17	22 49	23 16	5 9	17 38	0s 6	24 7	1 1	23 17	0 32	22 54	0 45	8 12	2 34	21 38	0 2	15 39	1 39	29 12	16 21	13 2	12 35	25 44		n.a.
M18	22 42	26 33	5 6	17 7	0 15	24 1	1 2	23 23	0 33	22 52	0 45	8 13	2 34	21 39	0 3	15 39	1 39	29 13	16 21	13 4	12 36	25 42		n.a.
T 19	22 34	28 7	4 42	16 36	0 24	23 54	1 4	23 28	0 33	22 50	0 45	8 14	2 35	21 39	0 3	15 39	1 39	29 13	16 22	13 6	12 37	25 40		n.a.
W20	22 26	27 38	3 59	16 5	0 33	23 47	1 5	23 33	0 34	22 48	0 45	8 15	2 35	21 40	0 3	15 39	1 39	29 14	16 22	13 8	12 38	25 39		n.a.
T 21	22 18	25 4	2 58	15 34	0 43	23 38	1 7	23 37	0 35	22 46	0 45	8 16	2 35	21 40	0 3	15 39	1 39	29 14	16 22	13 9	12 39	25 37		n.a.
F 22	22 9	20 43	1 45	15 3	0 52	23 29	1 8	23 42	0 35	22 44	0 45	8 17	2 35	21 41	0 3	15 38	1 39	29 15	16 22	13 10	12 40	25 35		n.a.
S 23	22 0	15 5	0 25	14 32	1 2	23 20	1 9	23 46	0 36	22 42	0 46	8 18	2 36	21 41	0 3	15 38	1 39	29 15	16 22	13 11	12 41	25 34		n.a.
S 24	21 50	8 43	0s55	14 1	1 12	23 9	1 11	23 51	0 37	22 40	0 46	8 19	2 36	21 42	0 3	15 38	1 39	29 16	16 23	13 11	12 42	25 32		n.a.
M25	21 40	2 5	2 9	13 31	1 22	22 58	1 12	23 55	0 37	22 38	0 46	8 20	2 36	21 42	0 3	15 38	1 39	29 17	16 23	13 10	12 44	25 30		n.a.
T 26	21 30	4s26	3 14	13 1	1 31	22 46	1 13	23 58	0 38	22 36	0 46	8 21	2 37	21 43	0 3	15 38	1 39	29 17	16 23	13 10	12 45	25 29		n.a.
W27	21 20	10 33	4 5	12 32	1 41	22 33	1 14	24 2	0 38	22 34	0 46	8 22	2 37	21 43	0 3	15 38	1 39	29 18	16 23	13 9	12 46	25 27		n.a.
T 28	21 8	16 2	4 43	12 3	1 51	22 20	1 15	24 5	0 39	22 32	0 46	8 23	2 37	21 44	0 3	15 38	1 39	29 18	16 23	13 9	12 47	25 25		n.a.
F 29	20 57	20 42	5 6	11 35	2 1	22 6	1 17	24 9	0 40	22 30	0 46	8 24	2 37	21 44	0 3	15 38	1 38	29 19	16 24	13 10	12 48	25 24		n.a.
S 30	20 45	24 21	5 14	11 8	2 11	21 52	1 17	24 12	0 40	22 27	0 46	8 25	2 38	21 45	0 3	15 38	1 38	29 19	16 24	13 10	12 49	25 22		n.a.
S 31	20n33	26s51	5s 7	10n42	2s21	21n37	1n18	24n15	0n41	22n25	0n46	8s26	2s38	21n45	0n 3	15s38	1n38	29s20	16s24	13s12	12s50	25s20		n.a.

Julian Day Number = 1482365.5, Delta T = 05h21m38s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'46, Lahiri = -12°59'46 Julian Calendar 1 July 655 BCE == Greg. Calendar 24 June 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

AUGUST 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 8 56	0♌25'08	19♐11	27♌ 9	1♌43	23♊10	23♋55	14°R52	6♊36	17°R12	23°R13	25°R27	26♒31	19♉56	n.a.	M 1
T 2	20 12 53	1°23'20	1♉ 6	27°52	2°57	23°48	24° 9	14♓50	6°39	17♏11	23♒12	25♒23	26°27	20° 2	n.a.	T 2
W 3	20 16 49	2°21'35	12°56	28°31	4°12	24°26	24°22	14°47	6°41	17°11	23°11	25°19	26°24	20° 9	n.a.	W 3
T 4	20 20 46	3°19'51	24°46	29° 7	5°27	25° 3	24°35	14°44	6°43	17°11	23°10	25°16	26°21	20°16	n.a.	T 4
F 5	20 24 42	4°18'09	6♒37	29°38	6°41	25°41	24°48	14°41	6°46	17°11	23° 9	25°14	26°18	20°22	n.a.	F 5
S 6	20 28 39	5°16'29	18°30	0♍ 4	7°56	26°18	25° 1	14°38	6°48	17°11	23° 8	25°13	26°15	20°29	n.a.	S 6
S 7	20 32 35	6°14'51	0♓29	0°26	9°11	26°56	25°14	14°35	6°50	17°D11	23° 7	25°D13	26°12	20°36	n.a.	S 7
M 8	20 36 32	7°13'15	12°35	0°42	10°25	27°33	25°27	14°31	6°53	17°11	23° 5	25°13	26° 8	20°42	n.a.	M 8
T 9	20 40 28	8°11'42	24°51	0°53	11°40	28°11	25°40	14°28	6°55	17°11	23° 4	25°15	26° 5	20°49	n.a.	T 9
W10	20 44 25	9°10'10	7♈20	0°R58	12°55	28°48	25°52	14°25	6°57	17°11	23° 3	25°16	26° 2	20°56	n.a.	W10
T 11	20 48 22	10° 8'41	20° 5	0°57	14°10	29°26	26° 5	14°21	6°59	17°11	23° 2	25°17	25°59	21° 2	n.a.	T 11
F 12	20 52 18	11° 7'14	3♉ 9	0°49	15°24	0♋ 3	26°18	14°18	7° 1	17°12	23° 1	25°18	25°56	21° 9	n.a.	F 12
S 13	20 56 15	12° 5'49	16°35	0°35	16°39	0°40	26°31	14°14	7° 3	17°12	23° 0	25°R18	25°52	21°16	n.a.	S 13
S 14	21 0 11	13° 4'27	0♊25	0°14	17°54	1°17	26°44	14°10	7° 5	17°12	22°58	25°18	25°49	21°23	n.a.	S 14
M15	21 4 8	14° 3'07	14°38	29♌46	19° 9	1°55	26°57	14° 7	7° 7	17°12	22°57	25°17	25°46	21°29	n.a.	M15
T 16	21 8 4	15° 1'50	29°14	29°10	20°24	2°32	27°10	14° 3	7° 9	17°13	22°56	25°15	25°43	21°36	n.a.	T 16
W17	21 12 1	16° 0'35	14♋ 6	28°29	21°39	3° 9	27°22	13°59	7°10	17°13	22°55	25°14	25°40	21°43	n.a.	W17
T 18	21 15 57	16°59'22	29° 9	27°41	22°53	3°46	27°35	13°55	7°12	17°13	22°54	25°13	25°37	21°49	n.a.	T 18
F 19	21 19 54	17°58'12	14♌14	26°47	24° 8	4°23	27°48	13°51	7°14	17°14	22°52	25°13	25°33	21°56	n.a.	F 19
S 20	21 23 51	18°57'03	29°12	25°48	25°23	5° 0	28° 0	13°47	7°15	17°14	22°51	25°D13	25°30	22° 3	n.a.	S 20
S 21	21 27 47	19°55'56	13♍54	24°45	26°38	5°37	28°13	13°43	7°17	17°15	22°50	25°13	25°27	22° 9	n.a.	S 21
M22	21 31 44	20°54'52	28°15	23°40	27°53	6°13	28°26	13°38	7°19	17°15	22°49	25°13	25°24	22°16	n.a.	M22
T 23	21 35 40	21°53'49	12♎11	22°33	29° 8	6°50	28°38	13°34	7°20	17°16	22°48	25°14	25°21	22°23	n.a.	T 23
W24	21 39 37	22°52'48	25°41	21°28	0♍23	7°27	28°51	13°30	7°22	17°16	22°46	25°14	25°18	22°29	n.a.	W24
T 25	21 43 33	23°51'50	8♏45	20°24	1°38	8° 4	29° 3	13°25	7°23	17°17	22°45	25°14	25°14	22°36	n.a.	T 25
F 26	21 47 30	24°50'53	21°27	19°24	2°53	8°40	29°16	13°21	7°24	17°17	22°44	25°14	25°11	22°43	n.a.	F 26
S 27	21 51 26	25°49'58	3♐49	18°30	4° 8	9°17	29°28	13°17	7°26	17°18	22°43	25°14	25° 8	22°49	n.a.	S 27
S 28	21 55 23	26°49'05	15°57	17°42	5°22	9°53	29°40	13°12	7°27	17°19	22°42	25°14	25° 5	22°56	n.a.	S 28
M29	21 59 19	27°48'14	27°54	17° 3	6°37	10°30	29°53	13° 8	7°28	17°19	22°40	25°15	25° 2	23° 3	n.a.	M29
T 30	22 3 16	28°47'24	9♉45	16°33	7°52	11° 6	0♌ 5	13° 3	7°29	17°20	22°39	25°15	24°58	23° 9	n.a.	T 30
W31	22 7 13	29♌46'37	21♉34	16♌14	9♍ 7	11♋43	0♌17	12♓58	7♊31	17♏21	22♒38	25♒15	24♒55	23♉16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	20n21	28s 6	4s47	10n16	2s31	21n21	1n19	24n18	0n42	22n23	0n46	8s28	2s38	21n46	0n 3	15s38	1n38	29s20	16s24	13s13	12s51	25s19			n.a.
T 2	20 8	28 1	4 15	9 53	2 40	21 4	1 20	24 20	0 42	22 21	0 46	8 29	2 38	21 46	0 3	15 38	1 38	29 21	16 24	13 14	12 52	25 17			n.a.
W 3	19 55	26 39	3 32	9 30	2 50	20 47	1 21	24 22	0 43	22 19	0 47	8 30	2 39	21 46	0 3	15 38	1 38	29 21	16 24	13 16	12 53	25 15			n.a.
T 4	19 41	24 6	2 40	9 9	2 59	20 29	1 21	24 25	0 44	22 16	0 47	8 32	2 39	21 47	0 3	15 38	1 38	29 22	16 25	13 17	12 55	25 13			n.a.
F 5	19 27	20 30	1 41	8 50	3 8	20 11	1 22	24 27	0 44	22 14	0 47	8 33	2 39	21 47	0 3	15 38	1 38	29 22	16 25	13 18	12 56	25 12			n.a.
S 6	19 13	16 5	0 37	8 32	3 17	19 52	1 23	24 28	0 45	22 12	0 47	8 35	2 39	21 48	0 3	15 38	1 38	29 23	16 25	13 18	12 57	25 10			n.a.
S 7	18 58	11 0	0n29	8 17	3 25	19 33	1 23	24 30	0 46	22 10	0 47	8 36	2 39	21 48	0 3	15 38	1 38	29 24	16 25	13 18	12 58	25 8			n.a.
M 8	18 44	5 29	1 35	8 4	3 33	19 13	1 24	24 32	0 46	22 7	0 47	8 37	2 40	21 48	0 3	15 38	1 38	29 24	16 25	13 18	12 59	25 6			n.a.
T 9	18 28	0n19	2 37	7 54	3 40	18 52	1 24	24 33	0 47	22 5	0 47	8 39	2 40	21 49	0 3	15 38	1 38	29 25	16 25	13 17	13 0	25 5			n.a.
W10	18 13	6 12	3 32	7 46	3 46	18 31	1 24	24 34	0 48	22 3	0 47	8 40	2 40	21 49	0 3	15 39	1 38	29 25	16 25	13 17	13 1	25 3			n.a.
T 11	17 57	11 57	4 19	7 41	3 52	18 9	1 24	24 35	0 48	22 0	0 47	8 42	2 40	21 50	0 3	15 39	1 38	29 26	16 25	13 16	13 2	25 1			n.a.
F 12	17 41	17 19	4 54	7 39	3 57	17 47	1 25	24 36	0 49	21 58	0 47	8 44	2 41	21 50	0 3	15 39	1 38	29 26	16 26	13 16	13 3	24 59			n.a.
S 13	17 24	22 1	5 13	7 41	4 0	17 25	1 25	24 36	0 50	21 55	0 48	8 45	2 41	21 50	0 3	15 39	1 38	29 27	16 26	13 16	13 4	24 58			n.a.
S 14	17 8	25 40	5 16	7 46	4 3	17 1	1 25	24 37	0 50	21 53	0 48	8 47	2 41	21 51	0 3	15 39	1 37	29 27	16 26	13 16	13 5	24 56			n.a.
M15	16 51	27 50	4 59	7 55	4 4	16 38	1 25	24 37	0 51	21 51	0 48	8 49	2 41	21 51	0 3	15 39	1 37	29 28	16 26	13 17	13 7	24 54			n.a.
T 16	16 33	28 9	4 23	8 8	4 3	16 14	1 25	24 37	0 52	21 48	0 48	8 50	2 41	21 51	0 3	15 39	1 37	29 28	16 26	13 17	13 8	24 52			n.a.
W17	16 16	26 29	3 29	8 24	4 1	15 49	1 24	24 37	0 52	21 46	0 48	8 52	2 42	21 52	0 3	15 39	1 37	29 29	16 26	13 17	13 9	24 50			n.a.
T 18	15 58	22 54	2 20	8 44	3 57	15 24	1 24	24 36	0 53	21 43	0 48	8 54	2 42	21 52	0 3	15 40	1 37	29 29	16 26	13 18	13 10	24 48			n.a.
F 19	15 40	17 45	1 1	9 8	3 51	14 59	1 24	24 36	0 54	21 41	0 48	8 55	2 42	21 52	0 3	15 40	1 37	29 30	16 26	13 18	13 11	24 47			n.a.
S 20	15 21	11 34	0s22	9 36	3 44	14 33	1 24	24 35	0 54	21 38	0 48	8 57	2 42	21 53	0 3	15 40	1 37	29 30	16 26	13 18	13 12	24 45			n.a.
S 21	15 2	4 51	1 42	10 6	3 34	14 7	1 23	24 34	0 55	21 36	0 48	8 59	2 42	21 53	0 3	15 40	1 37	29 30	16 26	13 18	13 13	24 43			n.a.
M22	14 44	1s57	2 53	10 39	3 22	13 40	1 23	24 33	0 56	21 34	0 49	9 1	2 42	21 53	0 3	15 40	1 37	29 31	16 26	13 18	13 14	24 41			n.a.
T 23	14 24	8 26	3 52	11 14	3 8	13 13	1 22	24 32	0 56	21 31	0 49	9 3	2 43	21 53	0 3	15 41	1 37	29 31	16 26	13 18	13 15	24 39			n.a.
W24	14 5	14 20	4 36	11 50	2 53	12 46	1 22	24 31	0 57	21 29	0 49	9 4	2 43	21 54	0 3	15 41	1 37	29 32	16 26	13 17	13 16	24 37			n.a.
T 25	13 45	19 25	5 5	12 26	2 36	12 18	1 21	24 29	0 58	21 26	0 49	9 6	2 43	21 54	0 3	15 41	1 37	29 32	16 26	13 17	13 17	24 36			n.a.
F 26	13 25	23 28	5 17	13 2	2 17	11 50	1 20	24 28	0 58	21 24	0 49	9 8	2 43	21 54	0 3	15 41	1 37	29 33	16 26	13 17	13 18	24 34			n.a.
S 27	13 5	26 21	5 14	13 38	1 58	11 22	1 19	24 26	0 59	21 21	0 49	9 10	2 43	21 54	0 3	15 41	1 37	29 33	16 26	13 17	13 20	24 32			n.a.
S 28	12 45	27 57	4 57	14 11	1 38	10 53	1 18	24 24	1 0	21 19	0 49	9 12	2 43	21 55	0 3	15 42	1 37	29 33	16 26	13 17	13 21	24 30			n.a.
M29	12 24	28 13	4 28	14 42	1 18	10 24	1 18	24 22	1 1	21 16	0 50	9 14	2 43	21 55	0 3	15 42	1 37	29 34	16 26	13 17	13 22	24 28			n.a.
T 30	12 3	27 11	3 47	15 10	0 59	9 55	1 17	24 19	1 1	21 14	0 50	9 16	2 43	21 55	0 3	15 42	1 36	29 34	16 26	13 17	13 23	24 26			n.a.
W31	11n43	24s55	2s56	15n34	0s39	9n25	1n16	24n17	1n 2	21n11	0n50	9s17	2s44	21n55	0n 3	15s42	1n36	29s35	16s26	13s17	13s24	24s24			n.a.

Julian Day Number = 1482396.5, Delta T = 05h21m36s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'42, Lahiri = -12°59'41 Julian Calendar 1 Aug. 655 BCE == Greg. Calendar 25 July 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

SEPTEMBER 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 11 9	0♍45'52	3♒25	16°D 4	10♍22	12♋19	0♌29	12°R54	7♊32	17♏22	22°R37	25♒16	24♒52	23♑23	n.a.	T 1
F 2	22 15 6	1°45'09	15°19	16♌ 6	11°37	12°55	0°42	12♓49	7°33	17°23	22♒36	25°16	24°49	23°29	n.a.	F 2
S 3	22 19 2	2°44'27	27°21	16°17	12°52	13°32	0°54	12°44	7°34	17°23	22°34	25°R16	24°46	23°36	n.a.	S 3
S 4	22 22 59	3°43'48	9♓31	16°39	14° 7	14° 8	1° 6	12°40	7°35	17°24	22°33	25°16	24°43	23°43	n.a.	S 4
M 5	22 26 55	4°43'11	21°51	17°11	15°22	14°44	1°18	12°35	7°35	17°25	22°32	25°15	24°39	23°49	n.a.	M 5
T 6	22 30 52	5°42'37	4♈23	17°52	16°37	15°20	1°29	12°30	7°36	17°26	22°31	25°14	24°36	23°56	n.a.	T 6
W 7	22 34 48	6°42'04	17° 8	18°42	17°52	15°56	1°41	12°25	7°37	17°27	22°30	25°13	24°33	24° 3	n.a.	W 7
T 8	22 38 45	7°41'34	0♉ 6	19°39	19° 7	16°32	1°53	12°21	7°38	17°28	22°29	25°11	24°30	24° 9	n.a.	T 8
F 9	22 42 42	8°41'07	13°19	20°44	20°22	17° 8	2° 5	12°16	7°38	17°29	22°27	25° 9	24°27	24°16	n.a.	F 9
S 10	22 46 38	9°40'41	26°48	21°54	21°37	17°44	2°17	12°11	7°39	17°30	22°26	25° 8	24°23	24°23	n.a.	S 10
S 11	22 50 35	10°40'19	10♊33	23°10	22°52	18°20	2°28	12° 6	7°40	17°32	22°25	25°D 8	24°20	24°29	n.a.	S 11
M12	22 54 31	11°39'59	24°35	24°31	24° 7	18°55	2°40	12° 1	7°40	17°33	22°24	25° 8	24°17	24°36	n.a.	M12
T 13	22 58 28	12°39'41	8♋52	25°56	25°22	19°31	2°51	11°56	7°40	17°34	22°23	25° 9	24°14	24°43	n.a.	T 13
W14	23 2 24	13°39'26	23°21	27°24	26°37	20° 7	3° 3	11°52	7°41	17°35	22°22	25°11	24°11	24°49	n.a.	W14
T 15	23 6 21	14°39'13	8♌ 1	28°55	27°52	20°42	3°14	11°47	7°41	17°36	22°21	25°12	24° 8	24°56	n.a.	T 15
F 16	23 10 17	15°39'02	22°44	0♍29	29° 7	21°18	3°25	11°42	7°41	17°38	22°20	25°R12	24° 4	25° 3	n.a.	F 16
S 17	23 14 14	16°38'53	7♍25	2° 5	0♎22	21°53	3°36	11°37	7°42	17°39	22°18	25°12	24° 1	25° 9	n.a.	S 17
S 18	23 18 11	17°38'47	21°57	3°42	1°37	22°28	3°47	11°32	7°42	17°40	22°17	25°11	23°58	25°16	n.a.	S 18
M19	23 22 7	18°38'42	6♎14	5°20	2°52	23° 4	3°58	11°28	7°42	17°42	22°16	25° 8	23°55	25°23	n.a.	M19
T 20	23 26 4	19°38'40	20°10	6°59	4° 7	23°39	4° 9	11°23	7°42	17°43	22°15	25° 4	23°52	25°29	n.a.	T 20
W21	23 30 0	20°38'39	3♏43	8°39	5°22	24°14	4°20	11°18	7°R42	17°44	22°14	25° 0	23°49	25°36	n.a.	W21
T 22	23 33 57	21°38'40	16°51	10°19	6°37	24°49	4°31	11°13	7°42	17°46	22°13	24°57	23°45	25°43	n.a.	T 22
F 23	23 37 53	22°38'43	29°36	12° 0	7°52	25°24	4°42	11° 9	7°42	17°47	22°12	24°54	23°42	25°49	n.a.	F 23
S 24	23 41 50	23°38'48	12♐ 1	13°40	9° 7	25°59	4°52	11° 4	7°42	17°49	22°11	24°52	23°39	25°56	n.a.	S 24
S 25	23 45 46	24°38'55	24°10	15°21	10°22	26°34	5° 3	10°59	7°41	17°50	22°10	24°D51	23°36	26° 2	n.a.	S 25
M26	23 49 43	25°39'03	6♑ 7	17° 2	11°37	27° 9	5°13	10°55	7°41	17°52	22° 9	24°51	23°33	26° 9	n.a.	M26
T 27	23 53 39	26°39'13	17°58	18°42	12°52	27°44	5°24	10°50	7°41	17°53	22° 8	24°53	23°29	26°16	n.a.	T 27
W28	23 57 36	27°39'25	29°46	20°23	14° 7	28°19	5°34	10°46	7°41	17°55	22° 7	24°55	23°26	26°22	n.a.	W28
T 29	0 1 33	28°39'38	11♒38	22° 3	15°22	28°53	5°44	10°41	7°40	17°57	22° 6	24°56	23°23	26°29	n.a.	T 29
F 30	0 5 29	29♍39'53	23♒37	23♍43	16♎36	29♋28	5♌54	10♓37	7♊40	17♏58	22♒ 5	24°R57	23♒20	26♑36	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n21	21s35	1s58	15n55	0s20	8n56	1n14	24n14	1n 3	21n 8	0n50	9s19	2s44	21n55	0n 3	15s43	1n36	29s35	16s26	13s17	13s25	24s22		n.a.
F 2	11 0	17 21	0 55	16 12	0 2	8 26	1 13	24 11	1 3	21 6	0 50	9 21	2 44	21 56	0 3	15 43	1 36	29 35	16 26	13 17	13 26	24 20		n.a.
S 3	10 38	12 23	0n11	16 24	0n15	7 56	1 12	24 8	1 4	21 3	0 50	9 23	2 44	21 56	0 3	15 43	1 36	29 36	16 26	13 17	13 27	24 19		n.a.
S 4	10 17	6 54	1 18	16 33	0 30	7 25	1 11	24 5	1 5	21 1	0 50	9 25	2 44	21 56	0 3	15 44	1 36	29 36	16 26	13 17	13 28	24 17		n.a.
M 5	9 55	1 6	2 22	16 37	0 45	6 55	1 9	24 2	1 5	20 58	0 51	9 27	2 44	21 56	0 3	15 44	1 36	29 37	16 26	13 17	13 29	24 15		n.a.
T 6	9 33	4n49	3 20	16 36	0 58	6 24	1 8	23 59	1 6	20 56	0 51	9 29	2 44	21 56	0 3	15 44	1 36	29 37	16 26	13 17	13 30	24 13		n.a.
W 7	9 11	10 39	4 9	16 32	1 10	5 53	1 7	23 55	1 7	20 53	0 51	9 31	2 44	21 56	0 3	15 45	1 36	29 37	16 26	13 18	13 31	24 11		n.a.
T 8	8 48	16 7	4 47	16 24	1 20	5 22	1 5	23 51	1 8	20 51	0 51	9 33	2 44	21 56	0 3	15 45	1 36	29 38	16 26	13 19	13 32	24 9		n.a.
F 9	8 26	20 58	5 10	16 11	1 29	4 50	1 4	23 47	1 8	20 48	0 51	9 35	2 44	21 57	0 3	15 45	1 36	29 38	16 26	13 19	13 34	24 7		n.a.
S 10	8 3	24 50	5 16	15 56	1 37	4 19	1 2	23 43	1 9	20 46	0 51	9 37	2 44	21 57	0 3	15 46	1 36	29 38	16 26	13 19	13 35	24 5		n.a.
S 11	7 40	27 22	5 5	15 36	1 43	3 47	1 0	23 39	1 10	20 43	0 51	9 39	2 44	21 57	0 3	15 46	1 36	29 39	16 25	13 19	13 36	24 3		n.a.
M12	7 17	28 15	4 36	15 14	1 49	3 16	0 59	23 35	1 10	20 41	0 52	9 40	2 44	21 57	0 3	15 47	1 36	29 39	16 25	13 19	13 37	24 1		n.a.
T 13	6 54	27 17	3 49	14 49	1 53	2 44	0 57	23 30	1 11	20 38	0 52	9 42	2 44	21 57	0 3	15 47	1 36	29 39	16 25	13 19	13 38	23 59		n.a.
W14	6 31	24 28	2 47	14 21	1 56	2 12	0 55	23 26	1 12	20 36	0 52	9 44	2 44	21 57	0 3	15 47	1 36	29 39	16 25	13 19	13 39	23 57		n.a.
T 15	6 8	20 2	1 34	13 51	1 58	1 40	0 53	23 21	1 13	20 33	0 52	9 46	2 44	21 57	0 3	15 48	1 36	29 40	16 25	13 18	13 40	23 55		n.a.
F 16	5 44	14 21	0 14	13 19	1 59	1 8	0 51	23 16	1 13	20 31	0 52	9 48	2 44	21 57	0 3	15 48	1 36	29 40	16 25	13 18	13 41	23 53		n.a.
S 17	5 21	7 52	1s 7	12 45	2 0	0 36	0 49	23 11	1 14	20 28	0 52	9 50	2 44	21 57	0 3	15 49	1 35	29 40	16 25	13 18	13 42	23 51		n.a.
S 18	4 57	1 4	2 22	12 9	2 0	0 4	0 47	23 6	1 15	20 26	0 53	9 52	2 44	21 57	0 3	15 49	1 35	29 40	16 25	13 19	13 43	23 49		n.a.
M19	4 33	5s40	3 27	11 31	1 59	0s28	0 45	23 1	1 15	20 23	0 53	9 54	2 44	21 57	0 3	15 49	1 35	29 41	16 24	13 20	13 44	23 47		n.a.
T 20	4 9	11 57	4 18	10 53	1 57	1 0	0 43	22 55	1 16	20 21	0 53	9 55	2 44	21 57	0 3	15 50	1 35	29 41	16 24	13 21	13 45	23 45		n.a.
W21	3 45	17 30	4 53	10 13	1 55	1 32	0 41	22 50	1 17	20 18	0 53	9 57	2 44	21 57	0 3	15 50	1 35	29 41	16 24	13 22	13 46	23 43		n.a.
T 22	3 22	22 3	5 11	9 32	1 52	2 4	0 39	22 44	1 18	20 16	0 53	9 59	2 44	21 57	0 3	15 51	1 35	29 41	16 24	13 23	13 47	23 41		n.a.
F 23	2 57	25 26	5 13	8 50	1 49	2 36	0 37	22 38	1 18	20 13	0 54	10 1	2 44	21 57	0 3	15 51	1 35	29 42	16 24	13 24	13 48	23 39		n.a.
S 24	2 33	27 30	5 0	8 7	1 45	3 8	0 35	22 33	1 19	20 11	0 54	10 3	2 44	21 57	0 3	15 52	1 35	29 42	16 24	13 25	13 50	23 37		n.a.
S 25	2 9	28 12	4 34	7 24	1 41	3 40	0 32	22 27	1 20	20 9	0 54	10 4	2 44	21 57	0 3	15 52	1 35	29 42	16 23	13 25	13 51	23 35		n.a.
M26	1 45	27 34	3 56	6 40	1 37	4 12	0 30	22 20	1 21	20 6	0 54	10 6	2 44	21 57	0 3	15 53	1 35	29 42	16 23	13 25	13 52	23 33		n.a.
T 27	1 21	25 40	3 9	5 56	1 32	4 43	0 28	22 14	1 21	20 4	0 54	10 8	2 44	21 57	0 3	15 53	1 35	29 42	16 23	13 25	13 53	23 31		n.a.
W28	0 57	22 39	2 13	5 12	1 27	5 15	0 25	22 8	1 22	20 1	0 55	10 9	2 44	21 57	0 3	15 54	1 35	29 42	16 23	13 24	13 54	23 29		n.a.
T 29	0 32	18 41	1 12	4 27	1 22	5 47	0 23	22 1	1 23	19 59	0 55	10 11	2 44	21 57	0 3	15 54	1 35	29 43	16 23	13 23	13 55	23 26		n.a.
F 30	0n 8	13s57	0s 7	3n42	1n16	6s18	0n21	21n55	1n24	19n57	0n55	10s13	2s44	21n57	0n 3	15s55	1n35	29s43	16s22	13s23	13s56	23s24		n.a.

Julian Day Number = 1482427.5, Delta T = 05h21m35s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'38, Lahiri = -12°59'37 Julian Calendar 1 Sept. 655 BCE == Greg. Calendar 25 Aug. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

OCTOBER 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 9 26	0♎40'10	5♓47	25♍22	17♎51	0♌ 2	6♌ 4	10°R32	7°R39	18♏ 0	22°R 4	24°R56	23♒17	26♉42	n.a.	S 1
S 2	0 13 22	1°40'29	18°10	27° 1	19° 6	0°37	6°14	10♓28	7♊39	18° 2	22♒ 4	24♒54	23°14	26°49	n.a.	S 2
M 3	0 17 19	2°40'49	0♈48	28°40	20°21	1°11	6°24	10°24	7°38	18° 3	22° 3	24°50	23°10	26°56	n.a.	M 3
T 4	0 21 15	3°41'11	13°41	0♎18	21°36	1°45	6°34	10°19	7°37	18° 5	22° 2	24°44	23° 7	27° 2	n.a.	T 4
W 5	0 25 12	4°41'35	26°48	1°56	22°51	2°19	6°43	10°15	7°36	18° 7	22° 1	24°37	23° 4	27° 9	n.a.	W 5
T 6	0 29 8	5°42'01	10♉10	3°34	24° 6	2°54	6°53	10°11	7°36	18° 8	22° 0	24°30	23° 1	27°16	n.a.	T 6
F 7	0 33 5	6°42'28	23°43	5°11	25°21	3°28	7° 2	10° 7	7°35	18°10	21°59	24°23	22°58	27°22	n.a.	F 7
S 8	0 37 2	7°42'58	7♊27	6°48	26°36	4° 1	7°11	10° 3	7°34	18°12	21°59	24°18	22°55	27°29	n.a.	S 8
S 9	0 40 58	8°43'30	21°19	8°24	27°51	4°35	7°20	9°59	7°33	18°14	21°58	24°15	22°51	27°36	n.a.	S 9
M10	0 44 55	9°44'04	5♋19	10° 0	29° 5	5° 9	7°29	9°55	7°32	18°16	21°57	24°D13	22°48	27°42	n.a.	M10
T 11	0 48 51	10°44'40	19°25	11°36	0♏20	5°43	7°38	9°51	7°31	18°18	21°56	24°13	22°45	27°49	n.a.	T 11
W12	0 52 48	11°45'18	3♌36	13°12	1°35	6°16	7°47	9°48	7°30	18°20	21°56	24°15	22°42	27°56	n.a.	W12
T 13	0 56 44	12°45'57	17°50	14°47	2°50	6°50	7°56	9°44	7°29	18°21	21°55	24°R16	22°39	28° 2	n.a.	T 13
F 14	1 0 41	13°46'39	2♍ 6	16°22	4° 5	7°23	8° 4	9°41	7°28	18°23	21°54	24°15	22°35	28° 9	n.a.	F 14
S 15	1 4 37	14°47'22	16°20	17°57	5°20	7°57	8°13	9°37	7°26	18°25	21°54	24°13	22°32	28°16	n.a.	S 15
S 16	1 8 34	15°48'06	0♎29	19°31	6°35	8°30	8°21	9°34	7°25	18°27	21°53	24° 9	22°29	28°22	n.a.	S 16
M17	1 12 31	16°48'53	14°27	21° 6	7°49	9° 3	8°29	9°30	7°24	18°29	21°52	24° 2	22°26	28°29	n.a.	M17
T 18	1 16 27	17°49'41	28°10	22°40	9° 4	9°36	8°37	9°27	7°22	18°31	21°52	23°53	22°23	28°36	n.a.	T 18
W19	1 20 24	18°50'30	11♏36	24°14	10°19	10° 9	8°45	9°24	7°21	18°33	21°51	23°43	22°20	28°42	n.a.	W19
T 20	1 24 20	19°51'21	24°41	25°47	11°34	10°42	8°53	9°21	7°19	18°35	21°51	23°33	22°16	28°49	n.a.	T 20
F 21	1 28 17	20°52'13	7♐26	27°21	12°49	11°15	9° 1	9°18	7°18	18°37	21°50	23°24	22°13	28°56	n.a.	F 21
S 22	1 32 13	21°53'06	19°52	28°54	14° 4	11°47	9° 8	9°15	7°16	18°39	21°49	23°17	22°10	29° 2	n.a.	S 22
S 23	1 36 10	22°54'00	2♑ 1	0♏28	15°18	12°20	9°16	9°12	7°15	18°42	21°49	23°12	22° 7	29° 9	n.a.	S 23
M24	1 40 6	23°54'55	13°58	2° 1	16°33	12°52	9°23	9° 9	7°13	18°44	21°49	23° 9	22° 4	29°16	n.a.	M24
T 25	1 44 3	24°55'51	25°48	3°34	17°48	13°25	9°30	9° 7	7°11	18°46	21°48	23°D 9	22° 0	29°22	n.a.	T 25
W26	1 48 0	25°56'49	7♒37	5° 6	19° 3	13°57	9°37	9° 4	7°10	18°48	21°48	23° 9	21°57	29°29	n.a.	W26
T 27	1 51 56	26°57'47	19°29	6°39	20°17	14°29	9°44	9° 2	7° 8	18°50	21°47	23°R10	21°54	29°36	n.a.	T 27
F 28	1 55 53	27°58'45	1♓30	8°12	21°32	15° 1	9°50	9° 0	7° 6	18°52	21°47	23° 9	21°51	29°42	n.a.	F 28
S 29	1 59 49	28°59'45	13°44	9°44	22°47	15°33	9°57	8°57	7° 4	18°54	21°46	23° 7	21°48	29°49	n.a.	S 29
S 30	2 3 46	0♏ 0'46	26°16	11°17	24° 1	16° 4	10° 3	8°55	7° 2	18°56	21°46	23° 3	21°45	29°56	n.a.	S 30
M31	2 7 42	1♏ 1'47	9♈ 8	12♏49	25♏16	16♌36	10♌10	8♓53	7♊ 0	18♏59	21♒46	22♒55	21♒41	0♒ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s16	8s37	0n59	2n57	1n11	6s49	0n18	21n48	1n25	19n54	0n55	10s14	2s44	21n57	0n 3	15s55	1n35	29s43	16s22	13s23	13s57	23s22		n.a.
S 2	0 40	2 51	2 3	2 12	1 5	7 20	0 16	21 41	1 25	19 52	0 55	10 16	2 44	21 57	0 3	15 56	1 35	29 43	16 22	13 24	13 58	23 20		n.a.
M 3	1 5	3n 6	3 3	1 26	0 59	7 51	0 13	21 35	1 26	19 50	0 56	10 18	2 44	21 57	0 3	15 56	1 35	29 43	16 22	13 26	13 59	23 18		n.a.
T 4	1 29	9 3	3 54	0 41	0 53	8 22	0 11	21 28	1 27	19 48	0 56	10 19	2 44	21 57	0 3	15 57	1 35	29 43	16 21	13 28	14 0	23 16		n.a.
W 5	1 53	14 43	4 34	0s 4	0 47	8 53	0 8	21 20	1 28	19 45	0 56	10 21	2 43	21 57	0 3	15 57	1 35	29 43	16 21	13 30	14 1	23 14		n.a.
T 6	2 18	19 48	5 0	0 49	0 40	9 23	0 6	21 13	1 28	19 43	0 56	10 22	2 43	21 56	0 3	15 58	1 35	29 43	16 21	13 32	14 2	23 12		n.a.
F 7	2 42	23 57	5 9	1 34	0 34	9 53	0 3	21 6	1 29	19 41	0 56	10 24	2 43	21 56	0 3	15 58	1 34	29 43	16 21	13 35	14 3	23 10		n.a.
S 8	3 6	26 48	5 1	2 19	0 28	10 23	0 1	20 59	1 30	19 39	0 57	10 25	2 43	21 56	0 4	15 59	1 34	29 43	16 20	13 36	14 4	23 8		n.a.
S 9	3 30	28 4	4 35	3 3	0 21	10 53	0s 2	20 51	1 31	19 37	0 57	10 26	2 43	21 56	0 4	15 59	1 34	29 43	16 20	13 38	14 5	23 5		n.a.
M10	3 55	27 33	3 53	3 48	0 15	11 22	0 4	20 44	1 32	19 34	0 57	10 28	2 43	21 56	0 4	16 0	1 34	29 43	16 20	13 38	14 6	23 3		n.a.
T 11	4 19	25 16	2 57	4 32	0 8	11 52	0 7	20 36	1 32	19 32	0 57	10 29	2 43	21 56	0 4	16 0	1 34	29 43	16 20	13 38	14 7	23 1		n.a.
W12	4 43	21 23	1 49	5 15	0 2	12 20	0 10	20 28	1 33	19 30	0 57	10 30	2 43	21 56	0 4	16 1	1 34	29 43	16 19	13 38	14 9	22 59		n.a.
T 13	5 7	16 15	0 35	5 59	0s 5	12 49	0 12	20 20	1 34	19 28	0 58	10 32	2 42	21 55	0 4	16 2	1 34	29 43	16 19	13 37	14 10	22 57		n.a.
F 14	5 31	10 13	0s42	6 42	0 12	13 17	0 15	20 13	1 35	19 26	0 58	10 33	2 42	21 55	0 4	16 2	1 34	29 43	16 19	13 37	14 11	22 55		n.a.
S 15	5 54	3 41	1 56	7 25	0 18	13 45	0 17	20 5	1 36	19 24	0 58	10 34	2 42	21 55	0 4	16 3	1 34	29 43	16 19	13 38	14 12	22 52		n.a.
S 16	6 18	2s58	3 2	8 7	0 24	14 13	0 20	19 57	1 37	19 22	0 58	10 35	2 42	21 55	0 4	16 3	1 34	29 43	16 18	13 40	14 13	22 50		n.a.
M17	6 42	9 23	3 56	8 49	0 31	14 40	0 23	19 49	1 37	19 20	0 59	10 36	2 42	21 55	0 4	16 4	1 34	29 43	16 18	13 42	14 14	22 48		n.a.
T 18	7 5	15 15	4 35	9 31	0 37	15 7	0 25	19 40	1 38	19 18	0 59	10 37	2 42	21 54	0 4	16 5	1 34	29 43	16 18	13 45	14 15	22 46		n.a.
W19	7 29	20 15	4 58	10 12	0 44	15 34	0 28	19 32	1 39	19 16	0 59	10 39	2 41	21 54	0 4	16 5	1 34	29 43	16 17	13 48	14 16	22 44		n.a.
T 20	7 52	24 8	5 5	10 52	0 50	16 0	0 30	19 24	1 40	19 15	0 59	10 40	2 41	21 54	0 4	16 6	1 34	29 43	16 17	13 52	14 17	22 42		n.a.
F 21	8 15	26 43	4 56	11 32	0 56	16 25	0 33	19 15	1 41	19 13	1 0	10 41	2 41	21 54	0 4	16 6	1 34	29 43	16 17	13 55	14 18	22 39		n.a.
S 22	8 39	27 55	4 33	12 12	1 2	16 51	0 35	19 7	1 42	19 11	1 0	10 41	2 41	21 53	0 4	16 7	1 34	29 43	16 17	13 57	14 19	22 37		n.a.
S 23	9 2	27 44	3 58	12 51	1 8	17 15	0 38	18 59	1 42	19 9	1 0	10 42	2 41	21 53	0 4	16 8	1 34	29 43	16 16	13 59	14 20	22 35		n.a.
M24	9 24	26 14	3 14	13 29	1 13	17 40	0 40	18 50	1 43	19 7	1 0	10 43	2 41	21 53	0 4	16 8	1 34	29 43	16 16	13 59	14 21	22 33		n.a.
T 25	9 47	23 35	2 21	14 7	1 19	18 4	0 43	18 42	1 44	19 6	1 1	10 44	2 40	21 53	0 4	16 9	1 34	29 42	16 16	14 0	14 22	22 31		n.a.
W26	10 10	19 57	1 22	14 44	1 24	18 27	0 45	18 33	1 45	19 4	1 1	10 45	2 40	21 52	0 4	16 9	1 34	29 42	16 15	13 59	14 23	22 28		n.a.
T 27	10 32	15 30	0 20	15 20	1 30	18 50	0 48	18 24	1 46	19 3	1 1	10 46	2 40	21 52	0 4	16 10	1 34	29 42	16 15	13 59	14 24	22 26		n.a.
F 28	10 54	10 24	0n44	15 56	1 35	19 13	0 50	18 16	1 47	19 1	1 1	10 46	2 40	21 52	0 4	16 11	1 34	29 42	16 15	13 59	14 25	22 24		n.a.
S 29	11 16	4 50	1 47	16 31	1 40	19 34	0 53	18 7	1 48	18 59	1 2	10 47	2 39	21 52	0 4	16 11	1 34	29 42	16 14	14 0	14 26	22 22		n.a.
S 30	11 38	1n 2	2 47	17 5	1 44	19 56	0 55	17 58	1 49	18 58	1 2	10 48	2 39	21 51	0 4	16 12	1 34	29 42	16 14	14 2	14 27	22 19		n.a.
M31	12s 0	7n 1	3n39	17s38	1s49	20s17	0s57	17n49	1n50	18n56	1n 2	10s48	2s39	21n51	0n 4	16s12	1n34	29s41	16s14	14s 4	14s28	22s17		n.a.

Julian Day Number = 1482457.5, Delta T = 05h21m33s
Ecliptic obliquity = 23°46'35, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'33, Lahiri = -12°59'33 Julian Calendar 1 Oct. 655 BCE == Greg. Calendar 24 Sept. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

NOVEMBER 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 11 39	2♏ 2'50	22♈20	14♏21	26♏31	17♌ 8	10♌16	8°R51	6°R58	19♏ 1	21°R46	22°R45	21♒38	0♒ 9	n.a.	T 1
W 2	2 15 35	3° 3'53	5♉52	15°53	27°45	17°39	10°22	8♓49	6♊56	19° 3	21♒45	22♒34	21°35	0°16	n.a.	W 2
T 3	2 19 32	4° 4'58	19°41	17°24	29° 0	18°10	10°27	8°48	6°54	19° 5	21°45	22°22	21°32	0°22	n.a.	T 3
F 4	2 23 29	5° 6'03	3♊42	18°56	0♐15	18°41	10°33	8°46	6°52	19° 7	21°45	22°10	21°29	0°29	n.a.	F 4
S 5	2 27 25	6° 7'10	17°51	20°27	1°29	19°12	10°38	8°45	6°50	19°10	21°45	22° 1	21°26	0°35	n.a.	S 5
S 6	2 31 22	7° 8'17	2♋ 4	21°58	2°44	19°43	10°44	8°43	6°48	19°12	21°44	21°54	21°22	0°42	n.a.	S 6
M 7	2 35 18	8° 9'26	16°16	23°28	3°58	20°14	10°49	8°42	6°46	19°14	21°44	21°50	21°19	0°49	n.a.	M 7
T 8	2 39 15	9°10'36	0♌25	24°58	5°13	20°44	10°54	8°41	6°44	19°16	21°44	21°48	21°16	0°55	n.a.	T 8
W 9	2 43 11	10°11'46	14°29	26°27	6°27	21°15	10°59	8°40	6°42	19°19	21°44	21°48	21°13	1° 2	n.a.	W 9
T 10	2 47 8	11°12'58	28°29	27°56	7°42	21°45	11° 3	8°39	6°39	19°21	21°44	21°48	21°10	1° 9	n.a.	T 10
F 11	2 51 4	12°14'10	12♍23	29°23	8°56	22°15	11° 8	8°38	6°37	19°23	21°44	21°47	21° 6	1°15	n.a.	F 11
S 12	2 55 1	13°15'24	26°12	0♐50	10°11	22°45	11°12	8°37	6°35	19°25	21°44	21°43	21° 3	1°22	n.a.	S 12
S 13	2 58 58	14°16'38	9♎53	2°16	11°25	23°15	11°16	8°37	6°32	19°28	21°D44	21°36	21° 0	1°29	n.a.	S 13
M14	3 2 54	15°17'53	23°25	3°40	12°40	23°45	11°20	8°36	6°30	19°30	21°44	21°26	20°57	1°35	n.a.	M14
T 15	3 6 51	16°19'08	6♏46	5° 2	13°54	24°14	11°24	8°36	6°28	19°32	21°44	21°14	20°54	1°42	n.a.	T 15
W16	3 10 47	17°20'24	19°54	6°22	15° 9	24°44	11°27	8°35	6°25	19°34	21°44	21° 0	20°51	1°49	n.a.	W16
T 17	3 14 44	18°21'41	2♐46	7°40	16°23	25°13	11°31	8°35	6°23	19°37	21°44	20°46	20°47	1°55	n.a.	T 17
F 18	3 18 40	19°22'58	15°23	8°55	17°37	25°42	11°34	8°D35	6°20	19°39	21°44	20°33	20°44	2° 2	n.a.	F 18
S 19	3 22 37	20°24'15	27°44	10° 7	18°52	26°11	11°37	8°35	6°18	19°41	21°44	20°22	20°41	2° 9	n.a.	S 19
S 20	3 26 34	21°25'32	9♑51	11°15	20° 6	26°39	11°40	8°35	6°16	19°43	21°44	20°14	20°38	2°15	n.a.	S 20
M21	3 30 30	22°26'49	21°47	12°19	21°20	27° 8	11°43	8°36	6°13	19°46	21°45	20° 9	20°35	2°22	n.a.	M21
T 22	3 34 27	23°28'06	3♒36	13°17	22°35	27°36	11°45	8°36	6°11	19°48	21°45	20° 6	20°32	2°29	n.a.	T 22
W23	3 38 23	24°29'23	15°23	14°10	23°49	28° 4	11°47	8°37	6° 8	19°50	21°45	20° 6	20°28	2°35	n.a.	W23
T 24	3 42 20	25°30'40	27°13	14°56	25° 3	28°32	11°49	8°37	6° 6	19°53	21°45	20° 6	20°25	2°42	n.a.	T 24
F 25	3 46 16	26°31'57	9♓12	15°34	26°17	28°59	11°51	8°38	6° 3	19°55	21°46	20° 5	20°22	2°49	n.a.	F 25
S 26	3 50 13	27°33'13	21°26	16° 4	27°32	29°27	11°53	8°39	6° 0	19°57	21°46	20° 3	20°19	2°55	n.a.	S 26
S 27	3 54 9	28°34'30	4♈ 0	16°24	28°46	29°54	11°55	8°40	5°58	19°59	21°46	19°59	20°16	3° 2	n.a.	S 27
M28	3 58 6	29°35'45	16°57	16°R35	29°59	0♍21	11°56	8°41	5°55	20° 2	21°47	19°52	20°12	3° 9	n.a.	M28
T 29	4 2 3	0♐37'01	0♉19	16°34	1♑14	0°48	11°57	8°42	5°53	20° 4	21°47	19°42	20° 9	3°15	n.a.	T 29
W30	4 5 59	1♐38'17	14♉ 7	16♐21	2♑28	1♍15	11♌58	8♓43	5♊50	20♏ 6	21♒47	19♒30	20♒ 6	3♒22	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s21	12n50	4n21	18s10	1s53	20s37	1s 0	17n40	1n50	18n55	1n 2	10s49	2s39	21n51	0n 4	16s13	1n34	29s41	16s13	14s 7	14s29	22s15		n.a.
W 2	12 42	18 12	4 49	18 41	1 57	20 57	1 2	17 31	1 51	18 54	1 3	10 49	2 39	21 50	0 4	16 14	1 34	29 41	16 13	14 11	14 30	22 13		n.a.
T 3	13 3	22 43	5 1	19 12	2 1	21 16	1 4	17 23	1 52	18 52	1 3	10 50	2 38	21 50	0 4	16 14	1 34	29 41	16 13	14 15	14 31	22 10		n.a.
F 4	13 24	26 1	4 55	19 41	2 4	21 34	1 7	17 14	1 53	18 51	1 3	10 50	2 38	21 50	0 4	16 15	1 34	29 41	16 12	14 19	14 33	22 8		n.a.
S 5	13 45	27 43	4 32	20 9	2 7	21 52	1 9	17 5	1 54	18 50	1 3	10 50	2 38	21 49	0 4	16 16	1 34	29 40	16 12	14 22	14 34	22 6		n.a.
S 6	14 5	27 37	3 51	20 36	2 10	22 9	1 11	16 56	1 55	18 49	1 4	10 51	2 38	21 49	0 4	16 16	1 34	29 40	16 12	14 24	14 35	22 3		n.a.
M 7	14 25	25 41	2 56	21 2	2 12	22 26	1 13	16 47	1 56	18 47	1 4	10 51	2 37	21 49	0 4	16 17	1 34	29 40	16 11	14 26	14 36	22 1		n.a.
T 8	14 45	22 9	1 51	21 26	2 14	22 42	1 15	16 38	1 57	18 46	1 4	10 51	2 37	21 48	0 4	16 17	1 34	29 39	16 11	14 26	14 37	21 59		n.a.
W 9	15 5	17 20	0 39	21 50	2 15	22 57	1 17	16 29	1 58	18 45	1 5	10 51	2 37	21 48	0 4	16 18	1 34	29 39	16 11	14 26	14 38	21 57		n.a.
T 10	15 24	11 37	0s35	22 11	2 16	23 12	1 19	16 20	1 59	18 44	1 5	10 51	2 37	21 47	0 4	16 19	1 34	29 39	16 10	14 26	14 39	21 54		n.a.
F 11	15 43	5 22	1 47	22 32	2 17	23 26	1 21	16 10	2 0	18 43	1 5	10 52	2 37	21 47	0 4	16 19	1 34	29 39	16 10	14 27	14 40	21 52		n.a.
S 12	16 2	1s 5	2 51	22 51	2 17	23 39	1 23	16 1	2 1	18 42	1 5	10 52	2 36	21 47	0 4	16 20	1 33	29 38	16 10	14 28	14 41	21 50		n.a.
S 13	16 21	7 24	3 45	23 8	2 16	23 52	1 25	15 52	2 2	18 41	1 6	10 52	2 36	21 46	0 4	16 21	1 33	29 38	16 9	14 30	14 42	21 47		n.a.
M14	16 39	13 19	4 25	23 23	2 15	24 4	1 26	15 43	2 3	18 41	1 6	10 52	2 36	21 46	0 4	16 21	1 33	29 38	16 9	14 33	14 43	21 45		n.a.
T 15	16 57	18 31	4 50	23 37	2 13	24 15	1 28	15 34	2 4	18 40	1 6	10 52	2 36	21 45	0 4	16 22	1 33	29 37	16 8	14 37	14 44	21 43		n.a.
W16	17 15	22 46	5 0	23 49	2 10	24 25	1 30	15 25	2 5	18 39	1 6	10 51	2 35	21 45	0 4	16 22	1 33	29 37	16 8	14 42	14 45	21 40		n.a.
T 17	17 32	25 48	4 53	23 59	2 7	24 35	1 31	15 16	2 6	18 38	1 7	10 51	2 35	21 45	0 4	16 23	1 33	29 37	16 8	14 46	14 46	21 38		n.a.
F 18	17 49	27 29	4 33	24 7	2 3	24 44	1 33	15 7	2 7	18 38	1 7	10 51	2 35	21 44	0 4	16 24	1 33	29 36	16 7	14 51	14 47	21 36		n.a.
S 19	18 6	27 45	3 59	24 13	1 57	24 52	1 35	14 58	2 8	18 37	1 7	10 51	2 35	21 44	0 4	16 24	1 33	29 36	16 7	14 54	14 48	21 33		n.a.
S 20	18 22	26 39	3 16	24 17	1 51	25 0	1 36	14 49	2 9	18 37	1 8	10 50	2 34	21 43	0 4	16 25	1 33	29 35	16 7	14 57	14 49	21 31		n.a.
M21	18 38	24 21	2 24	24 18	1 44	25 6	1 37	14 40	2 10	18 36	1 8	10 50	2 34	21 43	0 4	16 26	1 33	29 35	16 6	14 58	14 50	21 29		n.a.
T 22	18 54	21 1	1 26	24 17	1 35	25 12	1 39	14 31	2 11	18 36	1 8	10 50	2 34	21 43	0 4	16 26	1 33	29 35	16 6	14 59	14 51	21 26		n.a.
W23	19 9	16 51	0 25	24 14	1 26	25 18	1 40	14 23	2 12	18 35	1 9	10 49	2 33	21 42	0 4	16 27	1 33	29 34	16 6	14 59	14 52	21 24		n.a.
T 24	19 25	12 1	0n38	24 9	1 15	25 22	1 41	14 14	2 13	18 35	1 9	10 49	2 33	21 42	0 4	16 27	1 33	29 34	16 5	14 59	14 53	21 22		n.a.
F 25	19 39	6 42	1 39	24 1	1 3	25 26	1 42	14 5	2 14	18 35	1 9	10 48	2 33	21 41	0 4	16 28	1 33	29 33	16 5	15 0	14 54	21 19		n.a.
S 26	19 53	1 2	2 38	23 51	0 50	25 28	1 43	13 56	2 15	18 35	1 9	10 48	2 33	21 41	0 4	16 29	1 33	29 33	16 5	15 0	14 55	21 17		n.a.
S 27	20 7	4n49	3 30	23 39	0 35	25 30	1 44	13 47	2 17	18 34	1 10	10 47	2 32	21 40	0 4	16 29	1 33	29 33	16 4	15 2	14 56	21 14		n.a.
M28	20 21	10 38	4 13	23 24	0 19	25 32	1 45	13 39	2 18	18 34	1 10	10 46	2 32	21 40	0 4	16 30	1 33	29 32	16 4	15 4	14 57	21 12		n.a.
T 29	20 34	16 10	4 44	23 7	0 2	25 32	1 46	13 30	2 19	18 34	1 10	10 46	2 32	21 39	0 4	16 30	1 33	29 32	16 4	15 7	14 58	21 10		n.a.
W30	20s47	21n 3	5n 0	22s48	0n16	25s32	1s47	13n21	2n20	18n34	1n11	10s45	2s32	21n39	0n 4	16s31	1n33	29s31	16s 3	15s11	14s59	21s 7		n.a.

Julian Day Number = 1482488.5, Delta T = 05h21m32s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'29, Lahiri = -12°59'29 Julian Calendar 1 Nov. 655 BCE == Greg. Calendar 25 Oct. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 655 BCE
geocentric

DECEMBER 655 BCE (-654) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 9 56	2♐39'32	28♉17	15°R57	3♑42	1♍41	11♌59	8♓45	5°R48	20♏ 8	21♒48	19°R18	20♒ 3	3♒28	n.a.	T 1
F 2	4 13 52	3°40'47	12♊44	15♐21	4°56	2° 7	11°59	8°46	5♊45	20°10	21°48	19♒ 6	20° 0	3°35	n.a.	F 2
S 3	4 17 49	4°42'02	27°22	14°34	6°10	2°33	12° 0	8°48	5°42	20°13	21°49	18°56	19°57	3°42	n.a.	S 3
S 4	4 21 45	5°43'17	12♋ 2	13°36	7°24	2°59	12° 0	8°50	5°40	20°15	21°49	18°49	19°53	3°48	n.a.	S 4
M 5	4 25 42	6°44'31	26°38	12°30	8°38	3°24	12°R 0	8°51	5°37	20°17	21°50	18°45	19°50	3°55	n.a.	M 5
T 6	4 29 39	7°45'46	11♌ 4	11°16	9°51	3°50	12° 0	8°53	5°35	20°19	21°50	18°43	19°47	4° 2	n.a.	T 6
W 7	4 33 35	8°47'00	25°18	9°59	11° 5	4°15	11°59	8°55	5°32	20°22	21°51	18°D43	19°44	4° 8	n.a.	W 7
T 8	4 37 32	9°48'14	9♍19	8°39	12°19	4°39	11°59	8°58	5°29	20°24	21°52	18°R43	19°41	4°15	n.a.	T 8
F 9	4 41 28	10°49'28	23° 5	7°20	13°33	5° 4	11°58	9° 0	5°27	20°26	21°52	18°42	19°38	4°22	n.a.	F 9
S 10	4 45 25	11°50'42	6♎38	6° 4	14°46	5°28	11°57	9° 2	5°24	20°28	21°53	18°40	19°34	4°28	n.a.	S 10
S 11	4 49 21	12°51'55	19°59	4°53	16° 0	5°52	11°56	9° 5	5°22	20°30	21°53	18°34	19°31	4°35	n.a.	S 11
M12	4 53 18	13°53'08	3♏ 8	3°48	17°13	6°15	11°55	9° 7	5°19	20°32	21°54	18°26	19°28	4°42	n.a.	M12
T 13	4 57 14	14°54'21	16° 6	2°52	18°27	6°39	11°53	9°10	5°17	20°34	21°55	18°16	19°25	4°48	n.a.	T 13
W14	5 1 11	15°55'33	28°51	2° 5	19°40	7° 2	11°51	9°13	5°14	20°36	21°56	18° 4	19°22	4°55	n.a.	W14
T 15	5 5 8	16°56'45	11♐26	1°27	20°54	7°24	11°49	9°16	5°11	20°39	21°56	17°52	19°18	5° 2	n.a.	T 15
F 16	5 9 4	17°57'56	23°48	0°59	22° 7	7°47	11°47	9°19	5° 9	20°41	21°57	17°41	19°15	5° 8	n.a.	F 16
S 17	5 13 1	18°59'06	5♑59	0°40	23°21	8° 9	11°45	9°22	5° 6	20°43	21°58	17°32	19°12	5°15	n.a.	S 17
S 18	5 16 57	20° 0'15	17°59	0°30	24°34	8°30	11°43	9°25	5° 4	20°45	21°59	17°25	19° 9	5°22	n.a.	S 18
M19	5 20 54	21° 1'23	29°52	0°D29	25°47	8°52	11°40	9°28	5° 1	20°47	21°59	17°20	19° 6	5°28	n.a.	M19
T 20	5 24 50	22° 2'30	11♒39	0°35	27° 0	9°13	11°37	9°32	4°59	20°49	22° 0	17°18	19° 3	5°35	n.a.	T 20
W21	5 28 47	23° 3'36	23°25	0°49	28°13	9°33	11°34	9°35	4°57	20°51	22° 1	17°D18	18°59	5°42	n.a.	W21
T 22	5 32 43	24° 4'41	5♓14	1°10	29°27	9°54	11°31	9°39	4°54	20°53	22° 2	17°19	18°56	5°48	n.a.	T 22
F 23	5 36 40	25° 5'44	17°12	1°37	0♒40	10°14	11°27	9°43	4°52	20°55	22° 3	17°20	18°53	5°55	n.a.	F 23
S 24	5 40 37	26° 6'46	29°23	2° 9	1°52	10°33	11°24	9°46	4°49	20°57	22° 4	17°R21	18°50	6° 1	n.a.	S 24
S 25	5 44 33	27° 7'47	11♈53	2°47	3° 5	10°53	11°20	9°50	4°47	20°59	22° 5	17°19	18°47	6° 8	n.a.	S 25
M26	5 48 30	28° 8'46	24°47	3°30	4°18	11°11	11°16	9°54	4°45	21° 1	22° 6	17°16	18°44	6°15	n.a.	M26
T 27	5 52 26	29° 9'44	8♉ 7	4°16	5°31	11°30	11°12	9°58	4°42	21° 2	22° 7	17°11	18°40	6°21	n.a.	T 27
W28	5 56 23	0♑10'40	21°56	5° 7	6°43	11°48	11° 7	10° 3	4°40	21° 4	22° 8	17° 4	18°37	6°28	n.a.	W28
T 29	6 0 19	1°11'36	6♊13	6° 1	7°56	12° 5	11° 3	10° 7	4°38	21° 6	22° 9	16°56	18°34	6°35	n.a.	T 29
F 30	6 4 16	2°12'30	20°53	6°58	9° 9	12°23	10°58	10°11	4°36	21° 8	22°10	16°49	18°31	6°41	n.a.	F 30
S 31	6 8 13	3♑13'22	5♋48	7♐58	10♒21	12♍39	10♌54	10♓16	4♊33	21♏10	22♒11	16♒42	18♒28	6♒48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	20s59	24n53	4n57	22s26	0n35	25s31	1s47	13n13	2n21	18n34	1n11	10s44	2s31	21n39	0n 4	16s32	1n33	29s31	16s 3	15s15	15s 0	21s 5			n.a.
F 2	21 11	27 12	4 36	22 3	0 55	25 29	1 48	13 4	2 22	18 34	1 11	10 43	2 31	21 38	0 4	16 32	1 33	29 30	16 3	15 18	15 1	21 2			n.a.
S 3	21 23	27 42	3 57	21 38	1 15	25 26	1 49	12 56	2 23	18 35	1 12	10 43	2 31	21 38	0 4	16 33	1 33	29 30	16 2	15 21	15 2	21 0			n.a.
S 4	21 34	26 14	3 1	21 11	1 35	25 23	1 49	12 47	2 24	18 35	1 12	10 42	2 31	21 37	0 4	16 33	1 33	29 29	16 2	15 24	15 3	20 58			n.a.
M 5	21 44	23 0	1 54	20 44	1 54	25 19	1 49	12 39	2 26	18 35	1 12	10 41	2 30	21 37	0 4	16 34	1 33	29 29	16 2	15 25	15 4	20 55			n.a.
T 6	21 55	18 21	0 40	20 16	2 12	25 14	1 50	12 31	2 27	18 36	1 12	10 40	2 30	21 36	0 4	16 35	1 33	29 28	16 1	15 26	15 5	20 53			n.a.
W 7	22 5	12 43	0s35	19 49	2 28	25 8	1 50	12 23	2 28	18 36	1 13	10 39	2 30	21 36	0 4	16 35	1 33	29 28	16 1	15 26	15 6	20 50			n.a.
T 8	22 14	6 32	1 47	19 22	2 43	25 1	1 50	12 15	2 29	18 36	1 13	10 38	2 30	21 35	0 4	16 36	1 33	29 27	16 1	15 26	15 7	20 48			n.a.
F 9	22 23	0 9	2 52	18 57	2 56	24 54	1 50	12 7	2 30	18 37	1 13	10 37	2 29	21 35	0 4	16 36	1 33	29 27	16 0	15 26	15 8	20 45			n.a.
S 10	22 32	6s 7	3 46	18 34	3 6	24 46	1 50	11 59	2 31	18 37	1 14	10 35	2 29	21 34	0 4	16 37	1 33	29 26	16 0	15 27	15 9	20 43			n.a.
S 11	22 40	12 1	4 27	18 14	3 14	24 37	1 50	11 51	2 33	18 38	1 14	10 34	2 29	21 34	0 4	16 37	1 33	29 26	16 0	15 28	15 10	20 40			n.a.
M12	22 47	17 18	4 53	17 57	3 19	24 28	1 50	11 43	2 34	18 39	1 14	10 33	2 29	21 34	0 4	16 38	1 34	29 25	15 59	15 31	15 11	20 38			n.a.
T 13	22 54	21 42	5 3	17 43	3 22	24 18	1 49	11 36	2 35	18 39	1 15	10 32	2 28	21 33	0 4	16 39	1 34	29 25	15 59	15 34	15 12	20 36			n.a.
W14	23 1	25 1	4 58	17 33	3 23	24 7	1 49	11 28	2 36	18 40	1 15	10 30	2 28	21 33	0 4	16 39	1 34	29 24	15 59	15 38	15 13	20 33			n.a.
T 15	23 8	27 4	4 38	17 26	3 22	23 55	1 49	11 21	2 38	18 41	1 15	10 29	2 28	21 32	0 4	16 40	1 34	29 23	15 58	15 41	15 14	20 31			n.a.
F 16	23 13	27 43	4 6	17 23	3 20	23 43	1 48	11 13	2 39	18 42	1 15	10 28	2 28	21 32	0 4	16 40	1 34	29 23	15 58	15 45	15 15	20 28			n.a.
S 17	23 19	27 1	3 22	17 23	3 16	23 29	1 48	11 6	2 40	18 43	1 16	10 26	2 27	21 31	0 4	16 41	1 34	29 22	15 58	15 48	15 16	20 26			n.a.
S 18	23 24	25 2	2 30	17 26	3 10	23 16	1 47	10 59	2 41	18 44	1 16	10 25	2 27	21 31	0 4	16 41	1 34	29 22	15 57	15 50	15 17	20 23			n.a.
M19	23 28	21 58	1 32	17 32	3 4	23 1	1 46	10 52	2 43	18 45	1 16	10 23	2 27	21 30	0 4	16 42	1 34	29 21	15 57	15 51	15 18	20 21			n.a.
T 20	23 32	18 1	0 30	17 41	2 57	22 46	1 45	10 45	2 44	18 46	1 17	10 22	2 27	21 30	0 4	16 42	1 34	29 21	15 57	15 52	15 19	20 18			n.a.
W21	23 35	13 23	0n33	17 51	2 49	22 30	1 44	10 38	2 45	18 47	1 17	10 20	2 27	21 30	0 4	16 43	1 34	29 20	15 57	15 52	15 20	20 16			n.a.
T 22	23 38	8 15	1 35	18 4	2 41	22 14	1 43	10 32	2 47	18 48	1 17	10 19	2 26	21 29	0 4	16 43	1 34	29 20	15 56	15 52	15 21	20 13			n.a.
F 23	23 41	2 46	2 34	18 18	2 32	21 57	1 42	10 25	2 48	18 50	1 17	10 17	2 26	21 29	0 4	16 44	1 34	29 19	15 56	15 51	15 22	20 11			n.a.
S 24	23 43	2n54	3 27	18 33	2 22	21 39	1 41	10 19	2 49	18 51	1 18	10 15	2 26	21 28	0 4	16 44	1 34	29 18	15 56	15 51	15 23	20 8			n.a.
S 25	23 45	8 37	4 12	18 50	2 13	21 21	1 39	10 13	2 51	18 52	1 18	10 14	2 26	21 28	0 4	16 45	1 34	29 18	15 55	15 52	15 24	20 6			n.a.
M26	23 46	14 8	4 45	19 8	2 3	21 2	1 38	10 7	2 52	18 54	1 18	10 12	2 25	21 27	0 4	16 45	1 34	29 17	15 55	15 53	15 25	20 3			n.a.
T 27	23 46	19 12	5 4	19 26	1 54	20 43	1 37	10 1	2 53	18 55	1 19	10 10	2 25	21 27	0 4	16 46	1 34	29 17	15 55	15 54	15 26	20 1			n.a.
W28	23 47	23 27	5 7	19 45	1 44	20 23	1 35	9 55	2 55	18 56	1 19	10 8	2 25	21 27	0 4	16 46	1 34	29 16	15 55	15 56	15 27	19 58			n.a.
T 29	23 46	26 26	4 51	20 4	1 34	20 3	1 33	9 50	2 56	18 58	1 19	10 7	2 25	21 26	0 4	16 47	1 34	29 15	15 54	15 59	15 28	19 56			n.a.
F 30	23 45	27 43	4 16	20 23	1 24	19 41	1 32	9 44	2 58	18 59	1 19	10 5	2 24	21 26	0 4	16 47	1 34	29 15	15 54	16 1	15 29	19 53			n.a.
S 31	23s44	27n 1	3n23	20s43	1n15	19s20	1s30	9n39	2n59	19n 1	1n20	10s 3	2s24	21n25	0n 4	16s48	1n34	29s14	15s54	16s 3	15s30	19s50			n.a.

Julian Day Number = 1482518.5, Delta T = 05h21m30s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'25, Lahiri = -12°59'25 Julian Calendar 1 Dec. 655 BCE == Greg. Calendar 24 Nov. 655 BCE

The year -654 astronomical counting style corresponds to year 655 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

JANUARY 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 12 9	4♉14'13	20♋52	9♐ 1	11♒33	12♍56	10°R49	10♓20	4°R31	21♏12	22♒12	16°R38	18♒24	6♒55	n.a.	S 1
M 2	6 16 6	5°15'03	5♌53	10° 6	12°46	13°12	10♌44	10°25	4♊29	21°13	22°13	16♒36	18°21	7° 1	n.a.	M 2
T 3	6 20 2	6°15'52	20°43	11°14	13°58	13°27	10°38	10°30	4°27	21°15	22°14	16°D35	18°18	7° 8	n.a.	T 3
W 4	6 23 59	7°16'39	5♍18	12°23	15°10	13°42	10°33	10°34	4°25	21°17	22°15	16°36	18°15	7°15	n.a.	W 4
T 5	6 27 55	8°17'26	19°32	13°35	16°22	13°56	10°27	10°39	4°23	21°19	22°16	16°38	18°12	7°21	n.a.	T 5
F 6	6 31 52	9°18'11	3♎25	14°48	17°34	14°10	10°22	10°44	4°21	21°20	22°18	16°R39	18° 9	7°28	n.a.	F 6
S 7	6 35 48	10°18'54	16°58	16° 3	18°46	14°24	10°16	10°49	4°19	21°22	22°19	16°39	18° 5	7°35	n.a.	S 7
S 8	6 39 45	11°19'37	0♏11	17°20	19°57	14°37	10°10	10°54	4°17	21°24	22°20	16°37	18° 2	7°41	n.a.	S 8
M 9	6 43 42	12°20'18	13° 7	18°38	21° 9	14°49	10° 4	10°59	4°15	21°25	22°21	16°34	17°59	7°48	n.a.	M 9
T 10	6 47 38	13°20'59	25°48	19°57	22°20	15° 1	9°57	11° 5	4°13	21°27	22°22	16°29	17°56	7°55	n.a.	T 10
W11	6 51 35	14°21'37	8♐16	21°18	23°32	15°12	9°51	11°10	4°11	21°28	22°24	16°24	17°53	8° 1	n.a.	W11
T 12	6 55 31	15°22'15	20°33	22°40	24°43	15°23	9°45	11°15	4°10	21°30	22°25	16°18	17°50	8° 8	n.a.	T 12
F 13	6 59 28	16°22'51	2♑40	24° 3	25°54	15°33	9°38	11°21	4° 8	21°31	22°26	16°12	17°46	8°14	n.a.	F 13
S 14	7 3 24	17°23'25	14°40	25°27	27° 6	15°43	9°31	11°26	4° 6	21°33	22°27	16° 8	17°43	8°21	n.a.	S 14
S 15	7 7 21	18°23'57	26°33	26°52	28°17	15°52	9°24	11°32	4° 5	21°34	22°29	16° 5	17°40	8°28	n.a.	S 15
M16	7 11 17	19°24'28	8♒22	28°19	29°28	16° 0	9°18	11°38	4° 3	21°36	22°30	16° 3	17°37	8°34	n.a.	M16
T 17	7 15 14	20°24'56	20° 8	29°47	0♓38	16° 8	9°11	11°44	4° 1	21°37	22°31	16°D 3	17°34	8°41	n.a.	T 17
W18	7 19 11	21°25'23	1♓55	1♑15	1°49	16°15	9° 3	11°49	4° 0	21°38	22°33	16° 4	17°30	8°48	n.a.	W18
T 19	7 23 7	22°25'48	13°46	2°45	3° 0	16°21	8°56	11°55	3°58	21°40	22°34	16° 5	17°27	8°54	n.a.	T 19
F 20	7 27 4	23°26'11	25°45	4°16	4°10	16°27	8°49	12° 1	3°57	21°41	22°35	16° 7	17°24	9° 1	n.a.	F 20
S 21	7 31 0	24°26'31	7♈56	5°47	5°20	16°32	8°42	12° 7	3°56	21°42	22°37	16° 9	17°21	9° 8	n.a.	S 21
S 22	7 34 57	25°26'50	20°23	7°20	6°31	16°37	8°34	12°13	3°54	21°44	22°38	16°R 9	17°18	9°14	n.a.	S 22
M23	7 38 53	26°27'06	3♉11	8°54	7°41	16°41	8°27	12°20	3°53	21°45	22°39	16° 9	17°15	9°21	n.a.	M23
T 24	7 42 50	27°27'20	16°24	10°29	8°51	16°44	8°19	12°26	3°52	21°46	22°41	16° 8	17°11	9°28	n.a.	T 24
W25	7 46 46	28°27'33	0♊ 5	12° 5	10° 0	16°46	8°12	12°32	3°50	21°47	22°42	16° 7	17° 8	9°34	n.a.	W25
T 26	7 50 43	29°27'42	14°14	13°41	11°10	16°48	8° 4	12°38	3°49	21°48	22°44	16° 5	17° 5	9°41	n.a.	T 26
F 27	7 54 40	0♒27'50	28°48	15°19	12°19	16°49	7°56	12°45	3°48	21°49	22°45	16° 2	17° 2	9°48	n.a.	F 27
S 28	7 58 36	1°27'56	13♋44	16°58	13°29	16°R49	7°49	12°51	3°47	21°51	22°46	16° 1	16°59	9°54	n.a.	S 28
S 29	8 2 33	2°27'59	28°54	18°38	14°38	16°49	7°41	12°58	3°46	21°52	22°48	15°59	16°56	10° 1	n.a.	S 29
M30	8 6 29	3°28'01	14♌ 8	20°19	15°47	16°48	7°33	13° 4	3°45	21°53	22°49	15°D59	16°52	10° 7	n.a.	M30
T 31	8 10 26	4♒28'00	29♌16	22♑ 1	16♓56	16♍46	7♌25	13♓11	3♊44	21♏54	22♒51	15♒59	16♒49	10♒14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23s42	24n21	2n15	21s 2	1n 5	18s58	1s28	9n34	3n 0	19n 3	1n20	10s 1	2s24	21n25	0n 4	16s48	1n34	29s13	15s54	16s 4	15s31	19s48			n.a.
M 2	23 40	20 0	0 58	21 22	0 56	18 35	1 26	9 29	3 2	19 4	1 20	9 59	2 24	21 25	0 4	16 49	1 34	29 13	15 53	16 5	15 32	19 45			n.a.
T 3	23 38	14 26	0s22	21 41	0 46	18 12	1 24	9 24	3 3	19 6	1 20	9 57	2 24	21 24	0 4	16 49	1 34	29 12	15 53	16 5	15 33	19 43			n.a.
W 4	23 34	8 9	1 40	21 59	0 37	17 49	1 22	9 20	3 5	19 8	1 21	9 55	2 23	21 24	0 4	16 49	1 34	29 12	15 53	16 5	15 34	19 40			n.a.
T 5	23 31	1 36	2 50	22 17	0 28	17 25	1 19	9 15	3 6	19 10	1 21	9 53	2 23	21 23	0 4	16 50	1 34	29 11	15 53	16 4	15 35	19 38			n.a.
F 6	23 27	4s51	3 48	22 35	0 19	17 0	1 17	9 11	3 7	19 11	1 21	9 51	2 23	21 23	0 5	16 50	1 34	29 10	15 52	16 4	15 36	19 35			n.a.
S 7	23 22	10 55	4 31	22 52	0 10	16 35	1 15	9 7	3 9	19 13	1 21	9 49	2 23	21 23	0 5	16 51	1 34	29 10	15 52	16 4	15 37	19 33			n.a.
S 8	23 17	16 21	4 59	23 8	0 2	16 10	1 12	9 4	3 10	19 15	1 22	9 46	2 23	21 22	0 5	16 51	1 34	29 9	15 52	16 5	15 38	19 30			n.a.
M 9	23 12	20 55	5 11	23 23	0s 7	15 45	1 9	9 0	3 12	19 17	1 22	9 44	2 22	21 22	0 5	16 51	1 34	29 9	15 52	16 6	15 39	19 27			n.a.
T 10	23 6	24 27	5 8	23 38	0 15	15 19	1 7	8 57	3 13	19 19	1 22	9 42	2 22	21 22	0 5	16 52	1 34	29 8	15 51	16 7	15 40	19 25			n.a.
W11	22 59	26 45	4 50	23 52	0 23	14 52	1 4	8 54	3 15	19 21	1 22	9 40	2 22	21 21	0 5	16 52	1 34	29 7	15 51	16 9	15 41	19 22			n.a.
T 12	22 53	27 44	4 18	24 4	0 30	14 25	1 1	8 51	3 16	19 23	1 22	9 37	2 22	21 21	0 5	16 53	1 34	29 7	15 51	16 10	15 42	19 20			n.a.
F 13	22 45	27 21	3 36	24 16	0 38	13 58	0 58	8 48	3 18	19 25	1 23	9 35	2 22	21 21	0 5	16 53	1 34	29 6	15 51	16 12	15 43	19 17			n.a.
S 14	22 38	25 40	2 44	24 27	0 45	13 31	0 55	8 46	3 19	19 27	1 23	9 33	2 22	21 20	0 5	16 53	1 34	29 5	15 51	16 13	15 44	19 14			n.a.
S 15	22 29	22 52	1 45	24 36	0 52	13 3	0 52	8 43	3 21	19 29	1 23	9 31	2 21	21 20	0 5	16 54	1 34	29 5	15 50	16 14	15 45	19 12			n.a.
M16	22 21	19 6	0 42	24 44	0 59	12 35	0 49	8 41	3 22	19 31	1 23	9 28	2 21	21 20	0 5	16 54	1 34	29 4	15 50	16 15	15 46	19 9			n.a.
T 17	22 12	14 37	0n23	24 51	1 5	12 7	0 46	8 40	3 23	19 33	1 23	9 26	2 21	21 19	0 5	16 54	1 34	29 4	15 50	16 15	15 47	19 7			n.a.
W18	22 3	9 36	1 26	24 57	1 11	11 38	0 42	8 38	3 25	19 35	1 24	9 23	2 21	21 19	0 5	16 55	1 34	29 3	15 50	16 15	15 48	19 4			n.a.
T 19	21 53	4 13	2 27	25 2	1 17	11 9	0 39	8 37	3 26	19 37	1 24	9 21	2 21	21 19	0 5	16 55	1 35	29 2	15 50	16 14	15 49	19 1			n.a.
F 20	21 43	1n22	3 22	25 5	1 22	10 40	0 36	8 36	3 28	19 39	1 24	9 18	2 21	21 19	0 5	16 55	1 35	29 2	15 50	16 14	15 50	18 59			n.a.
S 21	21 32	6 59	4 9	25 6	1 28	10 11	0 32	8 35	3 29	19 42	1 24	9 16	2 20	21 18	0 5	16 55	1 35	29 1	15 49	16 13	15 51	18 56			n.a.
S 22	21 21	12 27	4 45	25 7	1 33	9 41	0 28	8 35	3 31	19 44	1 24	9 13	2 20	21 18	0 5	16 56	1 35	29 0	15 49	16 13	15 52	18 54			n.a.
M23	21 10	17 34	5 8	25 5	1 37	9 11	0 25	8 35	3 32	19 46	1 24	9 11	2 20	21 18	0 5	16 56	1 35	29 0	15 49	16 13	15 53	18 51			n.a.
T 24	20 58	22 1	5 16	25 3	1 42	8 41	0 21	8 35	3 33	19 48	1 25	9 8	2 20	21 18	0 5	16 56	1 35	28 59	15 49	16 13	15 54	18 48			n.a.
W25	20 46	25 27	5 7	24 58	1 46	8 11	0 17	8 35	3 35	19 50	1 25	9 6	2 20	21 17	0 5	16 57	1 35	28 59	15 49	16 14	15 55	18 46			n.a.
T 26	20 33	27 27	4 39	24 52	1 49	7 41	0 13	8 36	3 36	19 52	1 25	9 3	2 20	21 17	0 5	16 57	1 35	28 58	15 49	16 14	15 56	18 43			n.a.
F 27	20 20	27 39	3 53	24 45	1 52	7 11	0 9	8 36	3 38	19 54	1 25	9 1	2 19	21 17	0 5	16 57	1 35	28 57	15 49	16 15	15 57	18 40			n.a.
S 28	20 7	25 52	2 49	24 35	1 55	6 40	0 5	8 37	3 39	19 57	1 25	8 58	2 19	21 17	0 5	16 57	1 35	28 57	15 48	16 16	15 58	18 38			n.a.
S 29	19 53	22 11	1 33	24 24	1 58	6 9	0 1	8 39	3 40	19 59	1 25	8 55	2 19	21 17	0 5	16 58	1 35	28 56	15 48	16 16	15 59	18 35			n.a.
M30	19 39	16 59	0 10	24 11	2 0	5 39	0n 3	8 40	3 42	20 1	1 25	8 53	2 19	21 16	0 5	16 58	1 35	28 55	15 48	16 16	16 0	18 32			n.a.
T 31	19s25	10n45	1s13	23s57	2s 2	5s 8	0n 7	8n42	3n43	20n 3	1n26	8s50	2s19	21n16	0n 5	16s58	1n35	28s55	15s48	16s16	16s 1	18s30			n.a.

Julian Day Number = 1482549.5, Delta T = 05h21m29s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'21, Lahiri = -12°59'20 Julian Calendar 1 Jan. 654 BCE == Greg. Calendar 25 Dec. 655 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

FEBRUARY 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 14 22	5♒27'58	14♍11	23♉44	18♓ 4	16°R43	7°R17	13♓18	3°R43	21♏55	22♒52	16♒ 0	16♒46	10♒21	n.a.	W 1
T 2	8 18 19	6°27'53	28°44	25°29	19°13	16♍40	7♌10	13°24	3♊43	21°56	22°54	16° 1	16°43	10°27	n.a.	T 2
F 3	8 22 15	7°27'47	12♎52	27°14	20°21	16°36	7° 2	13°31	3°42	21°56	22°55	16° 2	16°40	10°34	n.a.	F 3
S 4	8 26 12	8°27'39	26°34	29° 1	21°29	16°31	6°54	13°38	3°41	21°57	22°57	16° 2	16°36	10°41	n.a.	S 4
S 5	8 30 9	9°27'29	9♏51	0♒49	22°37	16°25	6°46	13°45	3°40	21°58	22°58	16°R 2	16°33	10°47	n.a.	S 5
M 6	8 34 5	10°27'18	22°45	2°37	23°45	16°18	6°38	13°52	3°40	21°59	23° 0	16° 2	16°30	10°54	n.a.	M 6
T 7	8 38 2	11°27'04	5♐20	4°27	24°52	16°11	6°30	13°59	3°39	22° 0	23° 1	16° 2	16°27	11° 1	n.a.	T 7
W 8	8 41 58	12°26'49	17°38	6°19	26° 0	16° 3	6°23	14° 6	3°39	22° 0	23° 3	16° 1	16°24	11° 7	n.a.	W 8
T 9	8 45 55	13°26'32	29°44	8°11	27° 7	15°54	6°15	14°13	3°38	22° 1	23° 4	16° 1	16°21	11°14	n.a.	T 9
F 10	8 49 51	14°26'13	11♉41	10° 5	28°14	15°44	6° 7	14°20	3°38	22° 2	23° 6	16° 1	16°17	11°21	n.a.	F 10
S 11	8 53 48	15°25'52	23°33	11°59	29°21	15°34	6° 0	14°27	3°38	22° 2	23° 7	16° 0	16°14	11°27	n.a.	S 11
S 12	8 57 44	16°25'29	5♒20	13°55	0♈27	15°23	5°52	14°34	3°37	22° 3	23° 9	16°D 0	16°11	11°34	n.a.	S 12
M13	9 1 41	17°25'04	17° 7	15°52	1°33	15°11	5°44	14°41	3°37	22° 4	23°10	16°R 0	16° 8	11°41	n.a.	M13
T 14	9 5 38	18°24'37	28°56	17°50	2°39	14°58	5°37	14°48	3°37	22° 4	23°12	16° 0	16° 5	11°47	n.a.	T 14
W15	9 9 34	19°24'07	10♓47	19°48	3°45	14°45	5°29	14°56	3°37	22° 5	23°13	16° 0	16° 2	11°54	n.a.	W15
T 16	9 13 31	20°23'35	22°45	21°48	4°51	14°30	5°22	15° 3	3°37	22° 5	23°15	16° 0	15°58	12° 0	n.a.	T 16
F 17	9 17 27	21°23'01	4♈51	23°49	5°56	14°15	5°15	15°10	3°D37	22° 6	23°16	15°59	15°55	12° 7	n.a.	F 17
S 18	9 21 24	22°22'24	17° 8	25°50	7° 1	14° 0	5° 7	15°18	3°37	22° 6	23°18	15°58	15°52	12°14	n.a.	S 18
S 19	9 25 20	23°21'45	29°38	27°51	8° 6	13°44	5° 0	15°25	3°37	22° 6	23°19	15°57	15°49	12°20	n.a.	S 19
M20	9 29 17	24°21'04	12♉27	29°53	9°11	13°27	4°53	15°32	3°37	22° 7	23°21	15°57	15°46	12°27	n.a.	M20
T 21	9 33 13	25°20'20	25°35	1♓55	10°15	13° 9	4°46	15°40	3°37	22° 7	23°22	15°D57	15°42	12°34	n.a.	T 21
W22	9 37 10	26°19'34	9♊ 6	3°56	11°19	12°51	4°39	15°47	3°37	22° 7	23°24	15°57	15°39	12°40	n.a.	W22
T 23	9 41 6	27°18'45	23° 1	5°58	12°23	12°33	4°33	15°55	3°38	22° 7	23°25	15°58	15°36	12°47	n.a.	T 23
F 24	9 45 3	28°17'54	7♋21	7°58	13°26	12°14	4°26	16° 2	3°38	22° 8	23°27	15°59	15°33	12°54	n.a.	F 24
S 25	9 49 0	29°17'01	22° 3	9°57	14°29	11°54	4°19	16°10	3°38	22° 8	23°28	16° 0	15°30	13° 0	n.a.	S 25
S 26	9 52 56	0♓16'05	7♌ 1	11°55	15°32	11°34	4°13	16°17	3°39	22° 8	23°30	16° 0	15°27	13° 7	n.a.	S 26
M27	9 56 53	1°15'07	22°10	13°51	16°34	11°13	4° 7	16°25	3°39	22° 8	23°31	16°R 0	15°23	13°14	n.a.	M27
T 28	10 0 49	2♓14'06	7♍19	15♓45	17♈36	10♍52	4♌ 1	16♓33	3♊40	22♏ 8	23♒33	16♒ 0	15♒20	13♒20	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19s10	4n 0	2s30	23s40	2s 3	4s37	0n11	8n45	3n44	20n 5	1n26	8s47	2s19	21n16	0n 5	16s58	1n35	28s54	15s48	16s16	16s 2	18s27		n.a.
T 2	18 55	2s47	3 36	23 22	2 4	4 6	0 15	8 47	3 45	20 7	1 26	8 44	2 19	21 16	0 5	16 58	1 35	28 54	15 48	16 16	16 3	18 24		n.a.
F 3	18 40	9 13	4 26	23 2	2 4	3 34	0 20	8 50	3 46	20 9	1 26	8 42	2 19	21 16	0 5	16 59	1 35	28 53	15 48	16 15	16 4	18 22		n.a.
S 4	18 24	15 2	5 0	22 40	2 4	3 3	0 24	8 53	3 48	20 12	1 26	8 39	2 18	21 16	0 5	16 59	1 35	28 52	15 48	16 15	16 5	18 19		n.a.
S 5	18 8	19 57	5 16	22 16	2 4	2 32	0 28	8 56	3 49	20 14	1 26	8 36	2 18	21 16	0 5	16 59	1 35	28 52	15 48	16 15	16 6	18 16		n.a.
M 6	17 52	23 48	5 16	21 50	2 3	2 1	0 33	9 0	3 50	20 16	1 26	8 33	2 18	21 15	0 5	16 59	1 35	28 51	15 48	16 15	16 7	18 14		n.a.
T 7	17 35	26 24	5 0	21 23	2 1	1 30	0 37	9 4	3 51	20 18	1 26	8 30	2 18	21 15	0 5	16 59	1 35	28 51	15 48	16 15	16 8	18 11		n.a.
W 8	17 18	27 41	4 31	20 53	1 59	0 58	0 42	9 8	3 52	20 20	1 26	8 28	2 18	21 15	0 5	16 59	1 35	28 50	15 48	16 15	16 9	18 8		n.a.
T 9	17 1	27 36	3 50	20 21	1 57	0 27	0 47	9 12	3 53	20 22	1 26	8 25	2 18	21 15	0 5	17 0	1 35	28 50	15 48	16 16	16 10	18 5		n.a.
F 10	16 44	26 14	3 0	19 48	1 54	0n 4	0 51	9 17	3 54	20 24	1 26	8 22	2 18	21 15	0 5	17 0	1 35	28 49	15 47	16 16	16 11	18 3		n.a.
S 11	16 26	23 41	2 2	19 12	1 50	0 35	0 56	9 22	3 54	20 26	1 26	8 19	2 18	21 15	0 5	17 0	1 36	28 48	15 47	16 16	16 12	18 0		n.a.
S 12	16 8	20 9	0 59	18 34	1 46	1 6	1 0	9 27	3 55	20 28	1 26	8 16	2 18	21 15	0 5	17 0	1 36	28 48	15 47	16 16	16 12	17 57		n.a.
M13	15 50	15 49	0n 6	17 55	1 41	1 37	1 5	9 32	3 56	20 30	1 26	8 13	2 17	21 15	0 5	17 0	1 36	28 47	15 47	16 16	16 13	17 55		n.a.
T 14	15 31	10 54	1 11	17 14	1 36	2 8	1 10	9 38	3 57	20 32	1 26	8 10	2 17	21 15	0 5	17 0	1 36	28 47	15 47	16 16	16 14	17 52		n.a.
W15	15 13	5 34	2 13	16 30	1 30	2 39	1 15	9 44	3 57	20 34	1 26	8 7	2 17	21 15	0 5	17 0	1 36	28 46	15 47	16 16	16 15	17 49		n.a.
T 16	14 54	0 1	3 10	15 45	1 24	3 10	1 20	9 50	3 58	20 35	1 26	8 4	2 17	21 15	0 5	17 0	1 36	28 46	15 47	16 16	16 16	17 46		n.a.
F 17	14 34	5n36	3 59	14 59	1 17	3 41	1 24	9 56	3 58	20 37	1 26	8 1	2 17	21 15	0 5	17 0	1 36	28 45	15 47	16 16	16 17	17 44		n.a.
S 18	14 15	11 5	4 38	14 10	1 9	4 11	1 29	10 2	3 59	20 39	1 26	7 59	2 17	21 15	0 5	17 0	1 36	28 45	15 47	16 16	16 18	17 41		n.a.
S 19	13 55	16 14	5 5	13 20	1 1	4 42	1 34	10 9	3 59	20 41	1 26	7 56	2 17	21 15	0 5	17 0	1 36	28 44	15 47	16 17	16 19	17 38		n.a.
M20	13 35	20 48	5 17	12 29	0 52	5 12	1 39	10 16	3 59	20 42	1 26	7 53	2 17	21 15	0 5	17 1	1 36	28 44	15 47	16 17	16 20	17 35		n.a.
T 21	13 15	24 29	5 13	11 37	0 43	5 42	1 44	10 23	3 59	20 44	1 26	7 50	2 17	21 15	0 5	17 1	1 36	28 43	15 47	16 17	16 21	17 33		n.a.
W22	12 55	26 56	4 52	10 43	0 33	6 12	1 49	10 30	3 59	20 46	1 26	7 47	2 17	21 15	0 5	17 1	1 36	28 42	15 47	16 17	16 22	17 30		n.a.
T 23	12 35	27 49	4 14	9 48	0 23	6 42	1 54	10 37	3 59	20 47	1 26	7 44	2 17	21 15	0 5	17 1	1 36	28 42	15 47	16 17	16 23	17 27		n.a.
F 24	12 14	26 52	3 18	8 53	0 12	7 11	1 58	10 44	3 59	20 49	1 26	7 41	2 17	21 15	0 5	17 1	1 36	28 41	15 47	16 16	16 24	17 24		n.a.
S 25	11 53	24 4	2 9	7 57	0 1	7 41	2 3	10 52	3 59	20 51	1 26	7 38	2 17	21 15	0 5	17 1	1 36	28 41	15 48	16 16	16 25	17 22		n.a.
S 26	11 32	19 35	0 50	7 1	0n11	8 10	2 8	10 59	3 59	20 52	1 26	7 34	2 17	21 15	0 5	17 1	1 36	28 40	15 48	16 16	16 26	17 19		n.a.
M27	11 11	13 47	0s34	6 6	0 22	8 39	2 13	11 7	3 58	20 54	1 26	7 31	2 17	21 16	0 5	17 1	1 36	28 40	15 48	16 16	16 27	17 16		n.a.
T 28	10s50	7n10	1s55	5s10	0n34	9n 8	2n18	11n15	3n58	20n55	1n26	7s28	2s17	21n16	0n 5	17s 1	1n36	28s40	15s48	16s16	16s28	17s13		n.a.

Julian Day Number = 1482580.5, Delta T = 05h21m27s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'17, Lahiri = -12°59'16 Julian Calendar 1 Feb. 654 BCE == Greg. Calendar 25 Jan. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

MARCH 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 4 46	3♓13'03	22♍20	17♓36	18♈38	10°R31	3°R54	16♓40	3♊41	22♏ 8	23♒34	15°R58	15♒17	13♒27	n.a.	W 1
T 2	10 8 42	4°11'59	7♎ 3	19°24	19°40	10♍ 9	3♌48	16°48	3°41	22°R 8	23°36	15♒56	15°14	13°33	n.a.	T 2
F 3	10 12 39	5°10'52	21°24	21° 9	20°41	9°47	3°43	16°56	3°42	22° 8	23°37	15°53	15°11	13°40	n.a.	F 3
S 4	10 16 35	6° 9'43	5♏17	22°50	21°41	9°25	3°37	17° 3	3°43	22° 8	23°39	15°51	15° 7	13°47	n.a.	S 4
S 5	10 20 32	7° 8'33	18°43	24°27	22°41	9° 3	3°31	17°11	3°44	22° 8	23°40	15°49	15° 4	13°53	n.a.	S 5
M 6	10 24 29	8° 7'21	1♐42	26° 0	23°41	8°40	3°26	17°19	3°44	22° 8	23°42	15°48	15° 1	14° 0	n.a.	M 6
T 7	10 28 25	9° 6'07	14°18	27°28	24°41	8°18	3°21	17°26	3°45	22° 8	23°43	15°D48	14°58	14° 7	n.a.	T 7
W 8	10 32 22	10° 4'51	26°35	28°51	25°39	7°55	3°16	17°34	3°46	22° 7	23°45	15°49	14°55	14°13	n.a.	W 8
T 9	10 36 18	11° 3'33	8♑37	0♈ 9	26°38	7°32	3°11	17°42	3°47	22° 7	23°46	15°50	14°52	14°20	n.a.	T 9
F 10	10 40 15	12° 2'14	20°30	1°21	27°36	7° 9	3° 6	17°50	3°48	22° 7	23°48	15°52	14°48	14°27	n.a.	F 10
S 11	10 44 11	13° 0'52	2♒18	2°28	28°34	6°46	3° 1	17°57	3°50	22° 7	23°49	15°53	14°45	14°33	n.a.	S 11
S 12	10 48 8	13°59'29	14° 4	3°30	29°31	6°24	2°57	18° 5	3°51	22° 6	23°51	15°R54	14°42	14°40	n.a.	S 12
M13	10 52 4	14°58'04	25°52	4°26	0♉27	6° 1	2°53	18°13	3°52	22° 6	23°52	15°54	14°39	14°47	n.a.	M13
T 14	10 56 1	15°56'36	7♓44	5°16	1°24	5°39	2°48	18°21	3°53	22° 6	23°53	15°52	14°36	14°53	n.a.	T 14
W15	10 59 57	16°55'07	19°44	6° 0	2°19	5°17	2°44	18°28	3°55	22° 5	23°55	15°48	14°33	15° 0	n.a.	W15
T 16	11 3 54	17°53'36	1♈53	6°38	3°14	4°55	2°41	18°36	3°56	22° 5	23°56	15°44	14°29	15° 7	n.a.	T 16
F 17	11 7 51	18°52'02	14°12	7°10	4° 9	4°34	2°37	18°44	3°57	22° 4	23°58	15°38	14°26	15°13	n.a.	F 17
S 18	11 11 47	19°50'27	26°42	7°36	5° 2	4°13	2°33	18°52	3°59	22° 4	23°59	15°32	14°23	15°20	n.a.	S 18
S 19	11 15 44	20°48'49	9♉25	7°57	5°56	3°52	2°30	18°59	4° 0	22° 3	24° 0	15°27	14°20	15°26	n.a.	S 19
M20	11 19 40	21°47'10	22°22	8°11	6°48	3°32	2°27	19° 7	4° 2	22° 3	24° 2	15°22	14°17	15°33	n.a.	M20
T 21	11 23 37	22°45'28	5♊35	8°19	7°40	3°12	2°24	19°15	4° 4	22° 2	24° 3	15°19	14°13	15°40	n.a.	T 21
W22	11 27 33	23°43'44	19° 4	8°R21	8°32	2°53	2°21	19°23	4° 5	22° 1	24° 4	15°D18	14°10	15°46	n.a.	W22
T 23	11 31 30	24°41'58	2♋51	8°18	9°22	2°35	2°19	19°30	4° 7	22° 1	24° 6	15°18	14° 7	15°53	n.a.	T 23
F 24	11 35 26	25°40'09	16°56	8° 9	10°12	2°17	2°16	19°38	4° 9	22° 0	24° 7	15°19	14° 4	16° 0	n.a.	F 24
S 25	11 39 23	26°38'19	1♌19	7°55	11° 1	1°59	2°14	19°46	4°11	21°59	24° 8	15°20	14° 1	16° 6	n.a.	S 25
S 26	11 43 20	27°36'26	15°57	7°37	11°49	1°43	2°12	19°54	4°13	21°59	24°10	15°R21	13°58	16°13	n.a.	S 26
M27	11 47 16	28°34'31	0♍46	7°14	12°37	1°27	2°10	20° 1	4°14	21°58	24°11	15°20	13°54	16°20	n.a.	M27
T 28	11 51 13	29°32'34	15°40	6°47	13°23	1°11	2° 8	20° 9	4°16	21°57	24°12	15°17	13°51	16°26	n.a.	T 28
W29	11 55 9	0♈30'35	0♎30	6°17	14° 9	0°56	2° 7	20°17	4°18	21°56	24°14	15°12	13°48	16°33	n.a.	W29
T 30	11 59 6	1°28'35	15° 9	5°44	14°54	0°42	2° 6	20°25	4°20	21°55	24°15	15° 6	13°45	16°40	n.a.	T 30
F 31	12 3 2	2♈26'33	29♎30	5♈ 8	15♉37	0♍29	2♌ 5	20♓32	4♊22	21♏55	24♒16	14♒58	13♒42	16♒46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	10s28	0n13	3s 8	4s15	0n47	9n36	2n23	11n22	3n57	20n56	1n26	7s25	2s16	21n16	0n 5	17s 1	1n36	28s39	15s48	16s16	16s29	17s11			n.a.
T 2	10 6	6s36	4 6	3 21	0 59	10 4	2 28	11 30	3 56	20 58	1 26	7 22	2 16	21 16	0 5	17 0	1 36	28 39	15 48	16 17	16 30	17 8			n.a.
F 3	9 45	12 53	4 48	2 28	1 11	10 32	2 33	11 38	3 55	20 59	1 26	7 19	2 16	21 16	0 5	17 0	1 36	28 38	15 48	16 18	16 31	17 5			n.a.
S 4	9 23	18 20	5 10	1 37	1 23	11 0	2 37	11 45	3 55	21 0	1 26	7 16	2 16	21 16	0 5	17 0	1 36	28 38	15 48	16 19	16 32	17 2			n.a.
S 5	9 1	22 41	5 15	0 47	1 35	11 27	2 42	11 53	3 54	21 2	1 26	7 13	2 16	21 16	0 5	17 0	1 37	28 37	15 48	16 19	16 33	17 0			n.a.
M 6	8 38	25 45	5 4	0n 0	1 46	11 54	2 47	12 1	3 52	21 3	1 26	7 10	2 16	21 17	0 5	17 0	1 37	28 37	15 48	16 19	16 33	16 57			n.a.
T 7	8 16	27 26	4 38	0 46	1 57	12 21	2 52	12 8	3 51	21 4	1 26	7 7	2 16	21 17	0 5	17 0	1 37	28 36	15 48	16 20	16 34	16 54			n.a.
W 8	7 54	27 43	3 59	1 29	2 8	12 47	2 56	12 16	3 50	21 5	1 26	7 4	2 16	21 17	0 5	17 0	1 37	28 36	15 48	16 19	16 35	16 51			n.a.
T 9	7 31	26 40	3 11	2 10	2 18	13 13	3 1	12 23	3 48	21 6	1 25	7 1	2 16	21 17	0 5	17 0	1 37	28 36	15 48	16 19	16 36	16 48			n.a.
F 10	7 9	24 25	2 15	2 47	2 27	13 39	3 6	12 30	3 47	21 7	1 25	6 58	2 16	21 17	0 5	17 0	1 37	28 35	15 49	16 18	16 37	16 46			n.a.
S 11	6 46	21 8	1 14	3 23	2 36	14 4	3 10	12 38	3 45	21 8	1 25	6 55	2 16	21 18	0 5	17 0	1 37	28 35	15 49	16 18	16 38	16 43			n.a.
S 12	6 23	17 0	0 10	3 55	2 44	14 29	3 15	12 45	3 44	21 9	1 25	6 52	2 16	21 18	0 5	17 0	1 37	28 34	15 49	16 18	16 39	16 40			n.a.
M13	6 0	12 13	0n54	4 24	2 51	14 54	3 19	12 51	3 42	21 10	1 25	6 48	2 16	21 18	0 5	16 59	1 37	28 34	15 49	16 18	16 40	16 37			n.a.
T 14	5 37	6 59	1 57	4 50	2 57	15 18	3 24	12 58	3 40	21 11	1 25	6 45	2 16	21 18	0 5	16 59	1 37	28 34	15 49	16 18	16 41	16 34			n.a.
W15	5 14	1 27	2 55	5 12	3 2	15 42	3 28	13 4	3 38	21 12	1 25	6 42	2 16	21 19	0 5	16 59	1 37	28 33	15 49	16 19	16 42	16 31			n.a.
T 16	4 51	4n12	3 45	5 31	3 7	16 5	3 33	13 11	3 36	21 13	1 25	6 39	2 16	21 19	0 5	16 59	1 37	28 33	15 49	16 21	16 43	16 29			n.a.
F 17	4 28	9 45	4 26	5 47	3 10	16 28	3 37	13 17	3 34	21 13	1 24	6 36	2 16	21 19	0 5	16 59	1 37	28 32	15 50	16 22	16 44	16 26			n.a.
S 18	4 5	15 0	4 55	5 59	3 12	16 51	3 41	13 22	3 31	21 14	1 24	6 33	2 16	21 19	0 5	16 59	1 37	28 32	15 50	16 24	16 45	16 23			n.a.
S 19	3 41	19 43	5 10	6 8	3 13	17 13	3 45	13 28	3 29	21 15	1 24	6 30	2 16	21 20	0 5	16 58	1 37	28 32	15 50	16 26	16 46	16 20			n.a.
M20	3 18	23 35	5 9	6 13	3 12	17 34	3 49	13 33	3 27	21 15	1 24	6 27	2 16	21 20	0 5	16 58	1 37	28 31	15 50	16 27	16 47	16 17			n.a.
T 21	2 55	26 20	4 52	6 15	3 10	17 56	3 53	13 38	3 24	21 16	1 24	6 24	2 16	21 20	0 5	16 58	1 37	28 31	15 50	16 28	16 48	16 15			n.a.
W22	2 31	27 37	4 19	6 13	3 7	18 16	3 57	13 43	3 22	21 16	1 24	6 21	2 16	21 21	0 5	16 58	1 37	28 31	15 50	16 28	16 48	16 12			n.a.
T 23	2 8	27 15	3 31	6 8	3 3	18 37	4 1	13 47	3 19	21 17	1 24	6 18	2 16	21 21	0 5	16 58	1 37	28 30	15 51	16 28	16 49	16 9			n.a.
F 24	1 45	25 8	2 28	5 59	2 57	18 56	4 4	13 52	3 17	21 17	1 24	6 15	2 16	21 21	0 5	16 57	1 37	28 30	15 51	16 28	16 50	16 6			n.a.
S 25	1 21	21 23	1 16	5 47	2 50	19 16	4 8	13 56	3 14	21 18	1 23	6 12	2 16	21 22	0 5	16 57	1 37	28 30	15 51	16 28	16 51	16 3			n.a.
S 26	0 58	16 14	0s 3	5 31	2 41	19 34	4 11	13 59	3 11	21 18	1 23	6 9	2 17	21 22	0 5	16 57	1 37	28 30	15 51	16 28	16 52	16 0			n.a.
M27	0 34	10 4	1 23	5 13	2 31	19 52	4 15	14 2	3 9	21 18	1 23	6 6	2 17	21 22	0 5	16 57	1 37	28 29	15 51	16 28	16 53	15 57			n.a.
T 28	0 11	3 20	2 37	4 52	2 20	20 10	4 18	14 5	3 6	21 18	1 23	6 3	2 17	21 23	0 5	16 57	1 37	28 29	15 52	16 29	16 54	15 55			n.a.
W29	0n12	3s33	3 40	4 29	2 8	20 27	4 21	14 8	3 3	21 19	1 23	6 0	2 17	21 23	0 5	16 56	1 38	28 29	15 52	16 30	16 55	15 52			n.a.
T 30	0 36	10 9	4 27	4 4	1 55	20 44	4 24	14 10	3 0	21 19	1 23	5 56	2 17	21 23	0 5	16 56	1 38	28 29	15 52	16 32	16 56	15 49			n.a.
F 31	0n59	16s 4	4s57	3n36	1n41	21n 0	4n27	14n13	2n57	21n19	1n22	5s53	2s17	21n24	0n 5	16s56	1n38	28s28	15s52	16s34	16s57	15s46			n.a.

Julian Day Number = 1482608.5, Delta T = 05h21m26s
Ecliptic obliquity = 23°46'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'13, Lahiri = -12°59'12 Julian Calendar 1 March 654 BCE == Greg. Calendar 22 Feb. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

APRIL 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 6 59	3♈24'29	13♏27	4°R31	16♉20	0°R17	2°R 4	20♓40	4♊25	21°R54	24♒17	14°R51	13♒39	16♒53	n.a.	S 1
S 2	12 10 55	4°22'24	26°57	3♈54	17° 2	0♍ 5	2♌ 3	20°47	4°27	21♏53	24°19	14♒45	13°35	16°59	n.a.	S 2
M 3	12 14 52	5°20'17	10♐ 1	3°16	17°43	29♌54	2° 2	20°55	4°29	21°52	24°20	14°40	13°32	17° 6	n.a.	M 3
T 4	12 18 48	6°18'09	22°40	2°39	18°22	29°44	2° 2	21° 3	4°31	21°51	24°21	14°37	13°29	17°13	n.a.	T 4
W 5	12 22 45	7°16'00	4♑59	2° 2	19° 1	29°34	2° 2	21°10	4°33	21°50	24°22	14°D36	13°26	17°19	n.a.	W 5
T 6	12 26 42	8°13'49	17° 2	1°28	19°38	29°26	2°D 2	21°18	4°36	21°49	24°23	14°36	13°23	17°26	n.a.	T 6
F 7	12 30 38	9°11'37	28°55	0°56	20°14	29°18	2° 2	21°25	4°38	21°48	24°25	14°37	13°19	17°33	n.a.	F 7
S 8	12 34 35	10° 9'23	10♒42	0°26	20°49	29°11	2° 2	21°33	4°41	21°47	24°26	14°R38	13°16	17°39	n.a.	S 8
S 9	12 38 31	11° 7'09	22°29	0° 0	21°22	29° 5	2° 3	21°40	4°43	21°45	24°27	14°37	13°13	17°46	n.a.	S 9
M10	12 42 28	12° 4'52	4♓20	29♓37	21°55	28°59	2° 3	21°48	4°45	21°44	24°28	14°35	13°10	17°53	n.a.	M10
T 11	12 46 24	13° 2'35	16°19	29°19	22°25	28°55	2° 4	21°55	4°48	21°43	24°29	14°31	13° 7	17°59	n.a.	T 11
W12	12 50 21	14° 0'16	28°29	29° 4	22°54	28°51	2° 5	22° 3	4°51	21°42	24°30	14°24	13° 4	18° 6	n.a.	W12
T 13	12 54 17	14°57'56	10♈51	28°54	23°22	28°48	2° 6	22°10	4°53	21°41	24°31	14°15	13° 0	18°13	n.a.	T 13
F 14	12 58 14	15°55'34	23°27	28°48	23°48	28°46	2° 8	22°18	4°56	21°40	24°32	14° 5	12°57	18°19	n.a.	F 14
S 15	13 2 11	16°53'11	6♉16	28°D47	24°13	28°45	2° 9	22°25	4°58	21°38	24°33	13°54	12°54	18°26	n.a.	S 15
S 16	13 6 7	17°50'47	19°19	28°50	24°35	28°D44	2°11	22°32	5° 1	21°37	24°34	13°43	12°51	18°33	n.a.	S 16
M17	13 10 4	18°48'21	2♊34	28°58	24°56	28°44	2°13	22°39	5° 4	21°36	24°35	13°34	12°48	18°39	n.a.	M17
T 18	13 14 0	19°45'54	16° 0	29°11	25°15	28°45	2°15	22°47	5° 7	21°34	24°36	13°28	12°44	18°46	n.a.	T 18
W19	13 17 57	20°43'25	29°37	29°27	25°33	28°47	2°18	22°54	5° 9	21°33	24°37	13°24	12°41	18°52	n.a.	W19
T 20	13 21 53	21°40'55	13♋26	29°49	25°48	28°50	2°20	23° 1	5°12	21°32	24°38	13°22	12°38	18°59	n.a.	T 20
F 21	13 25 50	22°38'23	27°25	0♈14	26° 1	28°53	2°23	23° 8	5°15	21°31	24°39	13°D22	12°35	19° 6	n.a.	F 21
S 22	13 29 46	23°35'49	11♌35	0°44	26°12	28°57	2°25	23°15	5°18	21°29	24°40	13°R22	12°32	19°12	n.a.	S 22
S 23	13 33 43	24°33'14	25°54	1°18	26°21	29° 2	2°28	23°22	5°21	21°28	24°41	13°22	12°29	19°19	n.a.	S 23
M24	13 37 40	25°30'38	10♍21	1°56	26°28	29° 7	2°32	23°29	5°24	21°26	24°41	13°19	12°25	19°26	n.a.	M24
T 25	13 41 36	26°28'00	24°51	2°38	26°33	29°14	2°35	23°36	5°27	21°25	24°42	13°15	12°22	19°32	n.a.	T 25
W26	13 45 33	27°25'21	9♎19	3°23	26°R35	29°21	2°38	23°43	5°30	21°24	24°43	13° 7	12°19	19°39	n.a.	W26
T 27	13 49 29	28°22'41	23°39	4°12	26°35	29°28	2°42	23°50	5°33	21°22	24°44	12°57	12°16	19°46	n.a.	T 27
F 28	13 53 26	29°20'00	7♏46	5° 5	26°33	29°37	2°46	23°57	5°36	21°21	24°45	12°46	12°13	19°52	n.a.	F 28
S 29	13 57 22	0♉17'18	21°33	6° 1	26°28	29°46	2°50	24° 4	5°39	21°19	24°45	12°35	12°10	19°59	n.a.	S 29
S 30	14 1 19	1♉14'35	4♐59	7♈ 1	26♉21	29♌55	2♌54	24♓11	5♊42	21♏18	24♒46	12♒25	12♒ 6	20♒ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n22	20s59	5s 8	3n 8	1n26	21n15	4n29	14n14	2n54	21n19	1n22	5s50	2s17	21n24	0n 5	16s55	1n38	28s28	15s53	16s36	16s58	15s43		n.a.
S 2	1 46	24 38	5 1	2 38	1 10	21 30	4 32	14 16	2 51	21 19	1 22	5 47	2 17	21 25	0 5	16 55	1 38	28 28	15 53	16 38	16 59	15 40		n.a.
M 3	2 9	26 51	4 39	2 8	0 53	21 44	4 34	14 17	2 48	21 19	1 22	5 44	2 17	21 25	0 5	16 55	1 38	28 28	15 53	16 40	17 0	15 37		n.a.
T 4	2 32	27 37	4 3	1 38	0 37	21 57	4 36	14 18	2 45	21 19	1 22	5 42	2 17	21 26	0 5	16 55	1 38	28 27	15 53	16 41	17 1	15 34		n.a.
W 5	2 55	26 58	3 17	1 7	0 20	22 10	4 38	14 19	2 42	21 19	1 22	5 39	2 17	21 26	0 5	16 54	1 38	28 27	15 54	16 41	17 1	15 32		n.a.
T 6	3 19	25 2	2 23	0 38	0 3	22 23	4 40	14 19	2 39	21 19	1 21	5 36	2 17	21 26	0 5	16 54	1 38	28 27	15 54	16 41	17 2	15 29		n.a.
F 7	3 42	22 2	1 24	0 10	0s14	22 34	4 42	14 19	2 36	21 18	1 21	5 33	2 17	21 27	0 5	16 54	1 38	28 27	15 54	16 41	17 3	15 26		n.a.
S 8	4 5	18 8	0 21	0s17	0 30	22 45	4 43	14 19	2 33	21 18	1 21	5 30	2 17	21 27	0 5	16 53	1 38	28 27	15 54	16 40	17 4	15 23		n.a.
S 9	4 28	13 33	0n42	0 43	0 47	22 56	4 44	14 18	2 30	21 18	1 21	5 27	2 17	21 28	0 5	16 53	1 38	28 27	15 55	16 40	17 5	15 20		n.a.
M10	4 50	8 27	1 44	1 6	1 2	23 5	4 45	14 17	2 27	21 17	1 21	5 24	2 18	21 28	0 5	16 53	1 38	28 26	15 55	16 41	17 6	15 17		n.a.
T 11	5 13	3 0	2 41	1 27	1 17	23 14	4 46	14 16	2 24	21 17	1 21	5 21	2 18	21 29	0 5	16 52	1 38	28 26	15 55	16 42	17 7	15 14		n.a.
W12	5 36	2n38	3 32	1 46	1 32	23 22	4 47	14 15	2 21	21 17	1 20	5 18	2 18	21 29	0 5	16 52	1 38	28 26	15 55	16 44	17 8	15 11		n.a.
T 13	5 59	8 14	4 14	2 3	1 45	23 30	4 47	14 13	2 18	21 16	1 20	5 15	2 18	21 30	0 5	16 52	1 38	28 26	15 56	16 47	17 9	15 8		n.a.
F 14	6 21	13 37	4 44	2 17	1 58	23 37	4 47	14 11	2 16	21 16	1 20	5 12	2 18	21 30	0 5	16 51	1 38	28 26	15 56	16 50	17 10	15 6		n.a.
S 15	6 44	18 31	5 1	2 28	2 10	23 42	4 47	14 9	2 13	21 15	1 20	5 10	2 18	21 31	0 5	16 51	1 38	28 26	15 56	16 53	17 11	15 3		n.a.
S 16	7 6	22 38	5 2	2 37	2 20	23 48	4 46	14 6	2 10	21 15	1 20	5 7	2 18	21 31	0 5	16 51	1 38	28 26	15 57	16 56	17 12	15 0		n.a.
M17	7 28	25 39	4 47	2 43	2 30	23 52	4 45	14 3	2 7	21 14	1 20	5 4	2 18	21 32	0 5	16 50	1 38	28 26	15 57	16 59	17 12	14 57		n.a.
T 18	7 50	27 17	4 16	2 46	2 39	23 56	4 44	14 0	2 4	21 13	1 19	5 1	2 18	21 32	0 5	16 50	1 38	28 26	15 57	17 1	17 13	14 54		n.a.
W19	8 12	27 17	3 31	2 46	2 47	23 58	4 42	13 57	2 1	21 13	1 19	4 58	2 18	21 33	0 5	16 50	1 38	28 26	15 57	17 2	17 14	14 51		n.a.
T 20	8 34	25 37	2 32	2 44	2 54	24 0	4 40	13 53	1 58	21 12	1 19	4 56	2 19	21 33	0 5	16 49	1 38	28 26	15 58	17 3	17 15	14 48		n.a.
F 21	8 56	22 20	1 24	2 40	3 1	24 1	4 38	13 49	1 55	21 11	1 19	4 53	2 19	21 34	0 5	16 49	1 38	28 26	15 58	17 3	17 16	14 45		n.a.
S 22	9 17	17 42	0 10	2 32	3 6	24 1	4 35	13 45	1 52	21 10	1 19	4 50	2 19	21 34	0 5	16 49	1 38	28 25	15 58	17 3	17 17	14 42		n.a.
S 23	9 39	12 2	1s 6	2 23	3 10	24 1	4 32	13 41	1 50	21 9	1 19	4 47	2 19	21 35	0 5	16 48	1 38	28 25	15 59	17 3	17 18	14 39		n.a.
M24	10 0	5 40	2 18	2 11	3 14	23 59	4 28	13 36	1 47	21 9	1 18	4 45	2 19	21 35	0 5	16 48	1 38	28 25	15 59	17 3	17 19	14 36		n.a.
T 25	10 21	1s 0	3 21	1 56	3 16	23 56	4 24	13 32	1 44	21 8	1 18	4 42	2 19	21 36	0 5	16 47	1 38	28 25	15 59	17 5	17 20	14 33		n.a.
W26	10 42	7 35	4 11	1 39	3 18	23 52	4 20	13 27	1 41	21 7	1 18	4 39	2 19	21 36	0 5	16 47	1 38	28 25	16 0	17 7	17 21	14 30		n.a.
T 27	11 3	13 42	4 45	1 20	3 19	23 48	4 15	13 21	1 39	21 6	1 18	4 37	2 20	21 37	0 5	16 47	1 38	28 26	16 0	17 10	17 22	14 27		n.a.
F 28	11 23	19 1	5 0	0 59	3 19	23 42	4 10	13 16	1 36	21 5	1 18	4 34	2 20	21 37	0 5	16 46	1 38	28 26	16 0	17 13	17 22	14 25		n.a.
S 29	11 44	23 11	4 58	0 36	3 18	23 35	4 4	13 10	1 33	21 3	1 18	4 31	2 20	21 38	0 5	16 46	1 38	28 26	16 1	17 16	17 23	14 22		n.a.
S 30	12n 4	25s59	4s39	0s11	3s17	23n27	3n58	13n 4	1n31	21n 2	1n17	4s29	2s20	21n39	0n 5	16s45	1n38	28s26	16s 1	17s19	17s24	14s19		n.a.

Julian Day Number = 1482639.5, Delta T = 05h21m24s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'09, Lahiri = -12°59'08 Julian Calendar 1 Apr. 654 BCE == Greg. Calendar 25 March 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

MAY 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 5 15	2♉11'52	18♐ 0	8♈ 4	26°R11	0♍ 6	2♌58	24♓17	5♊45	21°R16	24♒47	12°R16	12♒ 3	20♒12	n.a.	M 1
T 2	14 9 12	3° 9'07	0♑40	9°10	25♉59	0°17	3° 3	24°24	5°48	21♏15	24°48	12♒10	12° 0	20°19	n.a.	T 2
W 3	14 13 9	4° 6'23	12°59	10°20	25°45	0°28	3° 7	24°31	5°52	21°13	24°48	12° 7	11°57	20°26	n.a.	W 3
T 4	14 17 5	5° 3'37	25° 3	11°32	25°28	0°40	3°12	24°37	5°55	21°12	24°49	12° 5	11°54	20°32	n.a.	T 4
F 5	14 21 2	6° 0'51	6♒57	12°48	25° 9	0°53	3°17	24°44	5°58	21°10	24°50	12° 5	11°50	20°39	n.a.	F 5
S 6	14 24 58	6°58'05	18°46	14° 7	24°48	1° 6	3°22	24°50	6° 1	21° 9	24°50	12° 5	11°47	20°45	n.a.	S 6
S 7	14 28 55	7°55'18	0♓35	15°28	24°24	1°20	3°27	24°57	6° 5	21° 7	24°51	12° 4	11°44	20°52	n.a.	S 7
M 8	14 32 51	8°52'30	12°29	16°53	23°59	1°35	3°33	25° 3	6° 8	21° 5	24°51	12° 1	11°41	20°59	n.a.	M 8
T 9	14 36 48	9°49'42	24°34	18°20	23°31	1°50	3°38	25° 9	6°11	21° 4	24°52	11°56	11°38	21° 5	n.a.	T 9
W10	14 40 44	10°46'54	6♈52	19°51	23° 2	2° 6	3°44	25°16	6°15	21° 2	24°52	11°48	11°35	21°12	n.a.	W10
T 11	14 44 41	11°44'05	19°27	21°24	22°31	2°22	3°50	25°22	6°18	21° 1	24°53	11°38	11°31	21°19	n.a.	T 11
F 12	14 48 38	12°41'15	2♉19	23° 0	21°58	2°39	3°56	25°28	6°21	20°59	24°53	11°26	11°28	21°25	n.a.	F 12
S 13	14 52 34	13°38'26	15°29	24°39	21°24	2°56	4° 2	25°34	6°25	20°57	24°54	11°13	11°25	21°32	n.a.	S 13
S 14	14 56 31	14°35'36	28°54	26°21	20°49	3°14	4° 8	25°40	6°28	20°56	24°54	11° 1	11°22	21°39	n.a.	S 14
M15	15 0 27	15°32'45	12♊32	28° 5	20°13	3°32	4°15	25°46	6°32	20°54	24°55	10°51	11°19	21°45	n.a.	M15
T 16	15 4 24	16°29'54	26°20	29°52	19°36	3°51	4°21	25°52	6°35	20°53	24°55	10°43	11°16	21°52	n.a.	T 16
W17	15 8 20	17°27'02	10♋16	1♉42	18°59	4°10	4°28	25°58	6°38	20°51	24°56	10°38	11°12	21°59	n.a.	W17
T 18	15 12 17	18°24'10	24°17	3°35	18°22	4°30	4°35	26° 4	6°42	20°49	24°56	10°36	11° 9	22° 5	n.a.	T 18
F 19	15 16 14	19°21'17	8♌22	5°30	17°44	4°50	4°42	26° 9	6°45	20°48	24°56	10°D35	11° 6	22°12	n.a.	F 19
S 20	15 20 10	20°18'23	22°29	7°27	17° 7	5°11	4°49	26°15	6°49	20°46	24°57	10°R35	11° 3	22°19	n.a.	S 20
S 21	15 24 7	21°15'29	6♍38	9°27	16°30	5°32	4°56	26°20	6°52	20°45	24°57	10°35	11° 0	22°25	n.a.	S 21
M22	15 28 3	22°12'34	20°46	11°28	15°54	5°53	5° 3	26°26	6°56	20°43	24°57	10°32	10°56	22°32	n.a.	M22
T 23	15 32 0	23° 9'38	4♎54	13°32	15°18	6°15	5°11	26°31	6°59	20°41	24°57	10°27	10°53	22°38	n.a.	T 23
W24	15 35 56	24° 6'43	18°57	15°37	14°44	6°38	5°18	26°37	7° 3	20°40	24°58	10°20	10°50	22°45	n.a.	W24
T 25	15 39 53	25° 3'47	2♏52	17°44	14°11	7° 0	5°26	26°42	7° 7	20°38	24°58	10°10	10°47	22°52	n.a.	T 25
F 26	15 43 49	26° 0'50	16°35	19°52	13°40	7°24	5°34	26°47	7°10	20°36	24°58	9°59	10°44	22°58	n.a.	F 26
S 27	15 47 46	26°57'54	0♐ 4	22° 2	13°10	7°47	5°42	26°52	7°14	20°35	24°58	9°48	10°41	23° 5	n.a.	S 27
S 28	15 51 43	27°54'58	13°14	24°11	12°42	8°11	5°50	26°58	7°17	20°33	24°58	9°37	10°37	23°12	n.a.	S 28
M29	15 55 39	28°52'02	26° 6	26°22	12°16	8°36	5°58	27° 3	7°21	20°32	24°58	9°29	10°34	23°18	n.a.	M29
T 30	15 59 36	29°49'06	8♑39	28°32	11°53	9° 0	6° 6	27° 8	7°25	20°30	24°58	9°22	10°31	23°25	n.a.	T 30
W31	16 3 32	0♊46'11	20♑55	0♊42	11♉31	9♍25	6♌14	27♓12	7♊28	20♏29	24♒59	9♒19	10♒28	23♒32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	12n24	27s18	4s 5	0n16	3s14	23n18	3n51	12n58	1n28	21n 1	1n17	4s26	2s20	21n39	0n 5	16s45	1n38	28s26	16s 1	17s21	17s25	14s16			n.a.
T 2	12 44	27 7	3 21	0 45	3 12	23 8	3 43	12 52	1 26	21 0	1 17	4 24	2 20	21 40	0 5	16 45	1 38	28 26	16 2	17 23	17 26	14 13			n.a.
W 3	13 4	25 35	2 28	1 16	3 8	22 57	3 35	12 45	1 23	20 59	1 17	4 21	2 20	21 40	0 5	16 44	1 38	28 26	16 2	17 24	17 27	14 10			n.a.
T 4	13 23	22 53	1 29	1 49	3 4	22 44	3 27	12 39	1 21	20 57	1 17	4 19	2 21	21 41	0 5	16 44	1 38	28 26	16 2	17 25	17 28	14 7			n.a.
F 5	13 43	19 14	0 27	2 23	2 59	22 31	3 18	12 32	1 18	20 56	1 17	4 16	2 21	21 41	0 5	16 43	1 38	28 26	16 3	17 25	17 29	14 4			n.a.
S 6	14 2	14 51	0n35	2 59	2 53	22 17	3 8	12 25	1 16	20 55	1 16	4 14	2 21	21 42	0 5	16 43	1 38	28 26	16 3	17 25	17 30	14 1			n.a.
S 7	14 21	9 55	1 36	3 37	2 47	22 1	2 58	12 17	1 13	20 53	1 16	4 11	2 21	21 43	0 5	16 43	1 38	28 26	16 3	17 25	17 31	13 58			n.a.
M 8	14 39	4 36	2 34	4 16	2 40	21 44	2 48	12 10	1 11	20 52	1 16	4 9	2 21	21 43	0 5	16 42	1 38	28 26	16 4	17 26	17 31	13 55			n.a.
T 9	14 58	0n56	3 25	4 56	2 33	21 27	2 37	12 2	1 9	20 50	1 16	4 7	2 21	21 44	0 5	16 42	1 38	28 26	16 4	17 27	17 32	13 52			n.a.
W10	15 16	6 32	4 7	5 38	2 25	21 8	2 25	11 54	1 6	20 49	1 16	4 4	2 22	21 44	0 5	16 41	1 38	28 27	16 5	17 29	17 33	13 49			n.a.
T 11	15 34	12 0	4 39	6 21	2 17	20 48	2 14	11 46	1 4	20 47	1 16	4 2	2 22	21 45	0 5	16 41	1 38	28 27	16 5	17 32	17 34	13 46			n.a.
F 12	15 52	17 4	4 57	7 5	2 8	20 28	2 1	11 38	1 2	20 46	1 15	4 0	2 22	21 46	0 5	16 40	1 38	28 27	16 5	17 36	17 35	13 43			n.a.
S 13	16 9	21 28	5 0	7 50	1 59	20 7	1 49	11 30	0 59	20 44	1 15	3 57	2 22	21 46	0 5	16 40	1 38	28 27	16 6	17 39	17 36	13 40			n.a.
S 14	16 27	24 50	4 46	8 37	1 49	19 45	1 36	11 21	0 57	20 42	1 15	3 55	2 22	21 47	0 5	16 40	1 38	28 27	16 6	17 42	17 37	13 37			n.a.
M15	16 43	26 51	4 16	9 24	1 39	19 22	1 22	11 12	0 55	20 41	1 15	3 53	2 23	21 47	0 5	16 39	1 38	28 27	16 6	17 45	17 38	13 34			n.a.
T 16	17 0	27 15	3 31	10 12	1 29	18 59	1 9	11 3	0 53	20 39	1 15	3 51	2 23	21 48	0 5	16 39	1 38	28 28	16 7	17 47	17 39	13 31			n.a.
W17	17 17	25 55	2 33	11 1	1 18	18 35	0 55	10 54	0 51	20 37	1 15	3 48	2 23	21 49	0 5	16 38	1 38	28 28	16 7	17 49	17 39	13 28			n.a.
T 18	17 33	22 57	1 25	11 50	1 7	18 11	0 41	10 45	0 48	20 35	1 14	3 46	2 23	21 49	0 5	16 38	1 38	28 28	16 7	17 50	17 40	13 25			n.a.
F 19	17 49	18 37	0 12	12 39	0 56	17 47	0 27	10 35	0 46	20 34	1 14	3 44	2 23	21 50	0 5	16 37	1 38	28 28	16 8	17 50	17 41	13 22			n.a.
S 20	18 4	13 14	1s 3	13 29	0 45	17 23	0 13	10 26	0 44	20 32	1 14	3 42	2 24	21 50	0 5	16 37	1 38	28 29	16 8	17 50	17 42	13 19			n.a.
S 21	18 20	7 9	2 13	14 18	0 34	16 59	0s 1	10 16	0 42	20 30	1 14	3 40	2 24	21 51	0 5	16 37	1 38	28 29	16 9	17 50	17 43	13 16			n.a.
M22	18 35	0 43	3 16	15 8	0 23	16 35	0 15	10 6	0 40	20 28	1 14	3 38	2 24	21 52	0 5	16 36	1 38	28 29	16 9	17 51	17 44	13 13			n.a.
T 23	18 49	5s43	4 6	15 56	0 12	16 12	0 29	9 56	0 38	20 26	1 14	3 36	2 24	21 52	0 5	16 36	1 38	28 29	16 9	17 52	17 45	13 10			n.a.
W24	19 4	11 50	4 41	16 44	0 0	15 49	0 42	9 46	0 36	20 24	1 14	3 34	2 24	21 53	0 5	16 35	1 38	28 30	16 10	17 54	17 46	13 7			n.a.
T 25	19 18	17 18	4 59	17 31	0n10	15 26	0 55	9 35	0 34	20 22	1 13	3 32	2 25	21 53	0 5	16 35	1 38	28 30	16 10	17 57	17 46	13 4			n.a.
F 26	19 32	21 48	5 0	18 17	0 21	15 4	1 9	9 25	0 32	20 20	1 13	3 30	2 25	21 54	0 5	16 35	1 38	28 30	16 10	18 0	17 47	13 1			n.a.
S 27	19 45	25 3	4 43	19 2	0 31	14 43	1 21	9 14	0 30	20 18	1 13	3 28	2 25	21 55	0 5	16 34	1 38	28 30	16 11	18 3	17 48	12 58			n.a.
S 28	19 58	26 52	4 12	19 45	0 41	14 23	1 34	9 3	0 29	20 15	1 13	3 27	2 25	21 55	0 5	16 34	1 38	28 31	16 11	18 6	17 49	12 55			n.a.
M29	20 11	27 11	3 28	20 26	0 50	14 4	1 46	8 52	0 27	20 13	1 13	3 25	2 26	21 56	0 5	16 33	1 38	28 31	16 12	18 8	17 50	12 52			n.a.
T 30	20 24	26 4	2 35	21 4	0 59	13 45	1 57	8 41	0 25	20 11	1 13	3 23	2 26	21 57	0 5	16 33	1 38	28 31	16 12	18 10	17 51	12 49			n.a.
W31	20n36	23s42	1s36	21n41	1n 7	13n28	2s 8	8n30	0n23	20n 9	1n13	3s21	2s26	21n57	0n 5	16s32	1n38	28s32	16s12	18s11	17s52	12s46			n.a.

Julian Day Number = 1482669.5, Delta T = 05h21m23s
Ecliptic obliquity = 23°46'33, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'05, Lahiri = -12°59'04 Julian Calendar 1 May 654 BCE == Greg. Calendar 24 Apr. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

JUNE 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 7 29	1♊43'15	2♒58	2♊52	11°R12	9♍51	6♌23	27♓17	7♊32	20°R27	24♒59	9°R17	10♒25	23♒38	n.a.	T 1
F 2	16 11 25	2°40'20	14°51	5° 1	10♉55	10°17	6°32	27°22	7°35	20♏25	24°R59	9°D17	10°22	23°45	n.a.	F 2
S 3	16 15 22	3°37'25	26°40	7°10	10°40	10°43	6°40	27°27	7°39	20°24	24°59	9♒17	10°18	23°52	n.a.	S 3
S 4	16 19 19	4°34'31	8♓30	9°17	10°28	11° 9	6°49	27°31	7°43	20°22	24°59	9°R18	10°15	23°58	n.a.	S 4
M 5	16 23 15	5°31'38	20°26	11°23	10°18	11°36	6°58	27°36	7°46	20°21	24°59	9°16	10°12	24° 5	n.a.	M 5
T 6	16 27 12	6°28'44	2♈34	13°28	10°11	12° 3	7° 7	27°40	7°50	20°19	24°58	9°13	10° 9	24°12	n.a.	T 6
W 7	16 31 8	7°25'52	14°57	15°31	10° 6	12°31	7°16	27°44	7°53	20°18	24°58	9° 8	10° 6	24°18	n.a.	W 7
T 8	16 35 5	8°23'00	27°39	17°32	10° 3	12°59	7°26	27°48	7°57	20°16	24°58	9° 0	10° 2	24°25	n.a.	T 8
F 9	16 39 1	9°20'09	10♉43	19°33	10°D 3	13°27	7°35	27°53	8° 1	20°15	24°58	8°51	9°59	24°32	n.a.	F 9
S 10	16 42 58	10°17'18	24° 8	21°31	10° 5	13°55	7°44	27°57	8° 4	20°13	24°58	8°42	9°56	24°38	n.a.	S 10
S 11	16 46 54	11°14'28	7♊53	23°27	10° 9	14°24	7°54	28° 1	8° 8	20°12	24°58	8°32	9°53	24°45	n.a.	S 11
M12	16 50 51	12°11'38	21°55	25°22	10°15	14°53	8° 4	28° 4	8°12	20°10	24°58	8°24	9°50	24°51	n.a.	M12
T 13	16 54 48	13° 8'49	6♋ 8	27°15	10°24	15°23	8°13	28° 8	8°15	20° 9	24°57	8°19	9°47	24°58	n.a.	T 13
W14	16 58 44	14° 6'00	20°28	29° 6	10°34	15°52	8°23	28°12	8°19	20° 7	24°57	8°15	9°43	25° 5	n.a.	W14
T 15	17 2 41	15° 3'12	4♌51	0♋56	10°47	16°22	8°33	28°16	8°22	20° 6	24°57	8°D14	9°40	25°11	n.a.	T 15
F 16	17 6 37	16° 0'24	19°11	2°43	11° 2	16°52	8°43	28°19	8°26	20° 4	24°57	8°14	9°37	25°18	n.a.	F 16
S 17	17 10 34	16°57'36	3♍27	4°29	11°19	17°23	8°53	28°22	8°30	20° 3	24°56	8°15	9°34	25°25	n.a.	S 17
S 18	17 14 30	17°54'49	17°36	6°13	11°37	17°54	9° 3	28°26	8°33	20° 2	24°56	8°R16	9°31	25°31	n.a.	S 18
M19	17 18 27	18°52'02	1♎37	7°55	11°57	18°25	9°14	28°29	8°37	20° 0	24°56	8°15	9°28	25°38	n.a.	M19
T 20	17 22 23	19°49'15	15°29	9°35	12°19	18°56	9°24	28°32	8°40	19°59	24°55	8°12	9°24	25°45	n.a.	T 20
W21	17 26 20	20°46'29	29°11	11°14	12°43	19°27	9°35	28°35	8°44	19°57	24°55	8° 8	9°21	25°51	n.a.	W21
T 22	17 30 17	21°43'44	12♏42	12°51	13° 9	19°59	9°45	28°38	8°48	19°56	24°54	8° 1	9°18	25°58	n.a.	T 22
F 23	17 34 13	22°40'59	26° 1	14°26	13°36	20°31	9°56	28°41	8°51	19°55	24°54	7°54	9°15	26° 5	n.a.	F 23
S 24	17 38 10	23°38'16	9♐ 6	15°59	14° 4	21° 3	10° 6	28°44	8°55	19°54	24°53	7°46	9°12	26°11	n.a.	S 24
S 25	17 42 6	24°35'33	21°56	17°30	14°34	21°36	10°17	28°46	8°58	19°52	24°53	7°40	9° 8	26°18	n.a.	S 25
M26	17 46 3	25°32'51	4♑32	18°59	15° 6	22° 9	10°28	28°49	9° 2	19°51	24°52	7°34	9° 5	26°25	n.a.	M26
T 27	17 49 59	26°30'10	16°54	20°27	15°38	22°42	10°39	28°51	9° 5	19°50	24°52	7°30	9° 2	26°31	n.a.	T 27
W28	17 53 56	27°27'30	29° 3	21°53	16°13	23°15	10°50	28°54	9° 9	19°49	24°51	7°28	8°59	26°38	n.a.	W28
T 29	17 57 53	28°24'51	11♒ 1	23°17	16°48	23°48	11° 1	28°56	9°12	19°47	24°51	7°D28	8°56	26°45	n.a.	T 29
F 30	18 1 49	29♊22'13	22♒53	24♋39	17♉25	24♍22	11♌12	28♓58	9♊16	19♏46	24♒50	7♒29	8♒53	26♒51	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n48	20s19	0s34	22n15	1n15	13n12	2s19	8n19	0n21	20n 7	1n13	3s20	2s26	21n58	0n 5	16s32	1n38	28s32	16s13	18s11	17s53	12s43		n.a.
F 2	20 59	16 8	0n30	22 47	1 22	12 57	2 29	8 7	0 19	20 4	1 12	3 18	2 27	21 58	0 5	16 32	1 38	28 32	16 13	18 11	17 53	12 40		n.a.
S 3	21 10	11 22	1 31	23 16	1 29	12 43	2 39	7 55	0 18	20 2	1 12	3 16	2 27	21 59	0 5	16 31	1 38	28 33	16 13	18 11	17 54	12 37		n.a.
S 4	21 21	6 11	2 29	23 42	1 34	12 30	2 48	7 44	0 16	19 59	1 12	3 15	2 27	22 0	0 5	16 31	1 38	28 33	16 14	18 11	17 55	12 34		n.a.
M 5	21 32	0 46	3 21	24 6	1 39	12 19	2 57	7 32	0 14	19 57	1 12	3 13	2 27	22 0	0 5	16 30	1 38	28 33	16 14	18 11	17 56	12 31		n.a.
T 6	21 42	4n46	4 5	24 27	1 43	12 9	3 6	7 20	0 13	19 55	1 12	3 11	2 28	22 1	0 6	16 30	1 38	28 34	16 15	18 12	17 57	12 28		n.a.
W 7	21 51	10 14	4 38	24 45	1 47	12 0	3 13	7 8	0 11	19 52	1 12	3 10	2 28	22 1	0 6	16 30	1 38	28 34	16 15	18 13	17 58	12 25		n.a.
T 8	22 1	15 25	4 59	25 0	1 50	11 52	3 21	6 55	0 9	19 50	1 12	3 9	2 28	22 2	0 6	16 29	1 38	28 35	16 15	18 15	17 59	12 22		n.a.
F 9	22 10	20 3	5 5	25 13	1 52	11 45	3 28	6 43	0 8	19 47	1 12	3 7	2 28	22 3	0 6	16 29	1 38	28 35	16 16	18 18	18 0	12 19		n.a.
S 10	22 18	23 48	4 54	25 23	1 54	11 39	3 34	6 30	0 6	19 44	1 12	3 6	2 29	22 3	0 6	16 29	1 38	28 35	16 16	18 20	18 0	12 16		n.a.
S 11	22 26	26 18	4 26	25 31	1 54	11 35	3 40	6 17	0 4	19 42	1 11	3 4	2 29	22 4	0 6	16 28	1 38	28 36	16 16	18 23	18 1	12 13		n.a.
M12	22 34	27 13	3 42	25 36	1 55	11 32	3 46	6 5	0 3	19 39	1 11	3 3	2 29	22 4	0 6	16 28	1 38	28 36	16 17	18 25	18 2	12 10		n.a.
T 13	22 42	26 21	2 43	25 39	1 54	11 29	3 51	5 52	0 1	19 37	1 11	3 2	2 29	22 5	0 6	16 27	1 38	28 37	16 17	18 27	18 3	12 7		n.a.
W14	22 49	23 44	1 34	25 39	1 53	11 28	3 56	5 39	0s 0	19 34	1 11	3 0	2 30	22 6	0 6	16 27	1 38	28 37	16 18	18 27	18 4	12 3		n.a.
T 15	22 55	19 37	0 18	25 38	1 51	11 28	4 0	5 26	0 2	19 31	1 11	2 59	2 30	22 6	0 6	16 27	1 38	28 37	16 18	18 28	18 5	12 0		n.a.
F 16	23 2	14 21	0s59	25 34	1 49	11 29	4 4	5 12	0 3	19 28	1 11	2 58	2 30	22 7	0 6	16 26	1 38	28 38	16 18	18 28	18 6	11 57		n.a.
S 17	23 8	8 20	2 12	25 28	1 46	11 30	4 8	4 59	0 5	19 26	1 11	2 57	2 30	22 7	0 6	16 26	1 38	28 38	16 19	18 27	18 6	11 54		n.a.
S 18	23 13	1 58	3 16	25 21	1 43	11 33	4 11	4 45	0 6	19 23	1 11	2 56	2 31	22 8	0 6	16 26	1 38	28 39	16 19	18 27	18 7	11 51		n.a.
M19	23 18	4s26	4 8	25 11	1 39	11 36	4 14	4 32	0 8	19 20	1 11	2 55	2 31	22 8	0 6	16 25	1 38	28 39	16 19	18 28	18 8	11 48		n.a.
T 20	23 23	10 32	4 44	25 0	1 35	11 41	4 17	4 18	0 9	19 17	1 10	2 54	2 31	22 9	0 6	16 25	1 38	28 40	16 20	18 28	18 9	11 45		n.a.
W21	23 27	16 4	5 4	24 47	1 30	11 46	4 19	4 4	0 10	19 14	1 10	2 53	2 32	22 10	0 6	16 25	1 38	28 40	16 20	18 29	18 10	11 42		n.a.
T 22	23 31	20 44	5 7	24 33	1 25	11 52	4 21	3 50	0 12	19 11	1 10	2 52	2 32	22 10	0 6	16 24	1 38	28 41	16 20	18 31	18 11	11 39		n.a.
F 23	23 34	24 16	4 53	24 18	1 19	11 58	4 23	3 36	0 13	19 8	1 10	2 51	2 32	22 11	0 6	16 24	1 38	28 41	16 21	18 33	18 12	11 36		n.a.
S 24	23 37	26 28	4 24	24 1	1 13	12 5	4 24	3 22	0 15	19 5	1 10	2 50	2 32	22 11	0 6	16 24	1 38	28 42	16 21	18 35	18 12	11 33		n.a.
S 25	23 40	27 13	3 41	23 43	1 7	12 13	4 25	3 8	0 16	19 2	1 10	2 49	2 33	22 12	0 6	16 23	1 38	28 42	16 21	18 37	18 13	11 30		n.a.
M26	23 42	26 31	2 49	23 24	1 0	12 21	4 26	2 54	0 17	18 59	1 10	2 49	2 33	22 12	0 6	16 23	1 37	28 43	16 22	18 38	18 14	11 27		n.a.
T 27	23 44	24 30	1 49	23 3	0 52	12 30	4 26	2 39	0 19	18 56	1 10	2 48	2 33	22 13	0 6	16 23	1 37	28 43	16 22	18 39	18 15	11 24		n.a.
W28	23 45	21 23	0 46	22 42	0 45	12 40	4 27	2 25	0 20	18 53	1 10	2 47	2 34	22 14	0 6	16 23	1 37	28 44	16 22	18 40	18 16	11 21		n.a.
T 29	23 46	17 24	0n19	22 20	0 37	12 50	4 27	2 10	0 21	18 50	1 10	2 47	2 34	22 14	0 6	16 22	1 37	28 44	16 23	18 40	18 17	11 18		n.a.
F 30	23n46	12s47	1n23	21n58	0n28	13n 0	4s27	1n56	0s22	18n46	1n10	2s46	2s34	22n15	0n 6	16s22	1n37	28s45	16s23	18s40	18s18	11s14		n.a.

Julian Day Number = 1482700.5, Delta T = 05h21m21s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°06'00, Lahiri = -12°59'00 Julian Calendar 1 June 654 BCE == Greg. Calendar 25 May 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

JULY 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 5 46	0♋19'37	4♓41	25♋59	18♉ 2	24♍55	11♌23	29♓ 0	9♊19	19°R45	24°R50	7♒30	8♒49	26♒58	n.a.	S 1
S 2	18 9 42	1°17'02	16°31	27°17	18°41	25°30	11°35	29° 2	9°23	19♏44	24♒49	7°32	8°46	27° 5	n.a.	S 2
M 3	18 13 39	2°14'28	28°27	28°33	19°22	26° 4	11°46	29° 4	9°26	19°43	24°48	7°R33	8°43	27°11	n.a.	M 3
T 4	18 17 35	3°11'56	10♈34	29°46	20° 3	26°38	11°57	29° 6	9°29	19°42	24°48	7°33	8°40	27°18	n.a.	T 4
W 5	18 21 32	4° 9'25	22°57	0♌58	20°45	27°13	12° 9	29° 8	9°33	19°41	24°47	7°31	8°37	27°24	n.a.	W 5
T 6	18 25 28	5° 6'56	5♉41	2° 7	21°28	27°48	12°20	29° 9	9°36	19°40	24°46	7°28	8°33	27°31	n.a.	T 6
F 7	18 29 25	6° 4'28	18°48	3°14	22°12	28°23	12°32	29°11	9°39	19°39	24°46	7°24	8°30	27°38	n.a.	F 7
S 8	18 33 22	7° 2'02	2♊20	4°19	22°57	28°58	12°43	29°12	9°43	19°38	24°45	7°19	8°27	27°44	n.a.	S 8
S 9	18 37 18	7°59'38	16°16	5°21	23°43	29°33	12°55	29°13	9°46	19°37	24°44	7°15	8°24	27°51	n.a.	S 9
M10	18 41 15	8°57'15	0♋34	6°21	24°30	0♎ 9	13° 7	29°14	9°49	19°36	24°43	7°11	8°21	27°58	n.a.	M10
T 11	18 45 11	9°54'54	15° 8	7°17	25°17	0°45	13°19	29°15	9°53	19°35	24°43	7° 9	8°18	28° 4	n.a.	T 11
W12	18 49 8	10°52'33	29°52	8°11	26° 5	1°21	13°31	29°16	9°56	19°34	24°42	7°D 7	8°14	28°11	n.a.	W12
T 13	18 53 4	11°50'14	14♌39	9° 2	26°55	1°57	13°43	29°17	9°59	19°33	24°41	7° 7	8°11	28°18	n.a.	T 13
F 14	18 57 1	12°47'57	29°22	9°49	27°44	2°34	13°55	29°18	10° 2	19°33	24°40	7° 8	8° 8	28°24	n.a.	F 14
S 15	19 0 57	13°45'40	13♍56	10°33	28°35	3°10	14° 7	29°18	10° 6	19°32	24°39	7°10	8° 5	28°31	n.a.	S 15
S 16	19 4 54	14°43'25	28°16	11°14	29°26	3°47	14°19	29°19	10° 9	19°31	24°38	7°11	8° 2	28°38	n.a.	S 16
M17	19 8 51	15°41'11	12♎20	11°50	0♊18	4°24	14°31	29°19	10°12	19°30	24°38	7°R12	7°59	28°44	n.a.	M17
T 18	19 12 47	16°38'58	26° 7	12°23	1°10	5° 1	14°43	29°19	10°15	19°30	24°37	7°11	7°55	28°51	n.a.	T 18
W19	19 16 44	17°36'46	9♏37	12°51	2° 3	5°38	14°55	29°20	10°18	19°29	24°36	7°10	7°52	28°58	n.a.	W19
T 20	19 20 40	18°34'36	22°50	13°15	2°57	6°16	15° 7	29°R20	10°21	19°28	24°35	7° 8	7°49	29° 4	n.a.	T 20
F 21	19 24 37	19°32'28	5♐48	13°33	3°51	6°53	15°20	29°20	10°24	19°28	24°34	7° 6	7°46	29°11	n.a.	F 21
S 22	19 28 33	20°30'21	18°32	13°47	4°46	7°31	15°32	29°19	10°27	19°27	24°33	7° 3	7°43	29°18	n.a.	S 22
S 23	19 32 30	21°28'15	1♑ 3	13°56	5°41	8° 9	15°44	29°19	10°30	19°27	24°32	7° 1	7°40	29°24	n.a.	S 23
M24	19 36 26	22°26'11	13°22	13°R59	6°37	8°47	15°57	29°19	10°33	19°26	24°31	6°59	7°36	29°31	n.a.	M24
T 25	19 40 23	23°24'09	25°31	13°56	7°33	9°25	16° 9	29°18	10°36	19°26	24°30	6°58	7°33	29°38	n.a.	T 25
W26	19 44 20	24°22'08	7♒31	13°48	8°30	10° 4	16°22	29°18	10°39	19°25	24°29	6°D58	7°30	29°44	n.a.	W26
T 27	19 48 16	25°20'09	19°24	13°33	9°27	10°42	16°34	29°17	10°41	19°25	24°28	6°58	7°27	29°51	n.a.	T 27
F 28	19 52 13	26°18'12	1♓13	13°12	10°25	11°21	16°47	29°16	10°44	19°24	24°27	6°59	7°24	29°58	n.a.	F 28
S 29	19 56 9	27°16'17	13° 1	12°45	11°23	11°59	17° 0	29°15	10°47	19°24	24°26	7° 0	7°20	0♓ 4	n.a.	S 29
S 30	20 0 6	28°14'24	24°51	12°12	12°22	12°38	17°12	29°14	10°50	19°24	24°25	7° 1	7°17	0°11	n.a.	S 30
M31	20 4 2	29♋12'33	6♈47	11♌34	13♊21	13♎17	17♌25	29♓13	10♊52	19♏23	24♒24	7♒ 2	7♒14	0♓18	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n46	7s43	2n23	21n34	0n20	13n11	4s26	1n41	0s24	18n43	1n10	2s45	2s34	22n15	0n 6	16s22	1n37	28s45	16s23	18s39	18s18	11s11		n.a.
S 2	23 46	2 23	3 17	21 10	0 11	13 22	4 26	1 26	0 25	18 40	1 10	2 45	2 35	22 16	0 6	16 21	1 37	28 46	16 24	18 39	18 19	11 8		n.a.
M 3	23 45	3n 5	4 3	20 46	0 1	13 34	4 25	1 11	0 26	18 37	1 9	2 44	2 35	22 16	0 6	16 21	1 37	28 46	16 24	18 38	18 20	11 5		n.a.
T 4	23 44	8 30	4 39	20 21	0s 8	13 46	4 24	0 56	0 27	18 33	1 9	2 44	2 35	22 17	0 6	16 21	1 37	28 47	16 24	18 39	18 21	11 2		n.a.
W 5	23 43	13 43	5 3	19 56	0 18	13 58	4 23	0 41	0 29	18 30	1 9	2 43	2 36	22 17	0 6	16 21	1 37	28 47	16 25	18 39	18 22	10 59		n.a.
T 6	23 40	18 30	5 13	19 31	0 28	14 11	4 21	0 26	0 30	18 27	1 9	2 43	2 36	22 18	0 6	16 20	1 37	28 48	16 25	18 40	18 23	10 56		n.a.
F 7	23 38	22 34	5 7	19 5	0 38	14 24	4 20	0 11	0 31	18 23	1 9	2 43	2 36	22 18	0 6	16 20	1 37	28 48	16 25	18 41	18 23	10 53		n.a.
S 8	23 35	25 33	4 44	18 40	0 49	14 37	4 18	0s 4	0 32	18 20	1 9	2 43	2 36	22 19	0 6	16 20	1 37	28 49	16 25	18 42	18 24	10 50		n.a.
S 9	23 32	27 6	4 4	18 14	0 59	14 50	4 16	0 20	0 33	18 16	1 9	2 42	2 37	22 19	0 6	16 20	1 37	28 49	16 26	18 43	18 25	10 47		n.a.
M10	23 28	26 54	3 7	17 49	1 10	15 3	4 14	0 35	0 34	18 13	1 9	2 42	2 37	22 20	0 6	16 20	1 37	28 50	16 26	18 44	18 26	10 44		n.a.
T 11	23 24	24 51	1 58	17 24	1 21	15 17	4 12	0 51	0 35	18 10	1 9	2 42	2 37	22 20	0 6	16 19	1 37	28 50	16 26	18 45	18 27	10 40		n.a.
W12	23 19	21 7	0 40	16 59	1 32	15 30	4 10	1 6	0 37	18 6	1 9	2 42	2 38	22 21	0 6	16 19	1 37	28 51	16 27	18 45	18 28	10 37		n.a.
T 13	23 14	16 0	0s41	16 35	1 44	15 44	4 7	1 22	0 38	18 2	1 9	2 42	2 38	22 21	0 6	16 19	1 37	28 51	16 27	18 45	18 28	10 34		n.a.
F 14	23 9	9 59	1 59	16 12	1 55	15 58	4 5	1 37	0 39	17 59	1 9	2 42	2 38	22 22	0 6	16 19	1 37	28 52	16 27	18 45	18 29	10 31		n.a.
S 15	23 3	3 30	3 9	15 49	2 6	16 11	4 2	1 53	0 40	17 55	1 9	2 42	2 39	22 22	0 6	16 19	1 37	28 53	16 27	18 44	18 30	10 28		n.a.
S 16	22 57	3s 3	4 6	15 27	2 17	16 25	3 59	2 9	0 41	17 52	1 9	2 42	2 39	22 23	0 6	16 19	1 37	28 53	16 28	18 44	18 31	10 25		n.a.
M17	22 50	9 19	4 46	15 6	2 29	16 39	3 56	2 25	0 42	17 48	1 9	2 42	2 39	22 23	0 6	16 18	1 36	28 54	16 28	18 44	18 32	10 22		n.a.
T 18	22 43	15 1	5 10	14 46	2 40	16 53	3 53	2 40	0 43	17 44	1 9	2 42	2 39	22 24	0 6	16 18	1 36	28 54	16 28	18 44	18 33	10 19		n.a.
W19	22 36	19 52	5 15	14 28	2 51	17 6	3 50	2 56	0 44	17 41	1 9	2 42	2 40	22 24	0 6	16 18	1 36	28 55	16 28	18 44	18 33	10 16		n.a.
T 20	22 28	23 38	5 4	14 10	3 2	17 20	3 47	3 12	0 45	17 37	1 9	2 43	2 40	22 25	0 6	16 18	1 36	28 55	16 29	18 45	18 34	10 13		n.a.
F 21	22 20	26 7	4 37	13 55	3 13	17 33	3 44	3 28	0 46	17 33	1 9	2 43	2 40	22 25	0 6	16 18	1 36	28 56	16 29	18 45	18 35	10 9		n.a.
S 22	22 11	27 12	3 57	13 41	3 23	17 47	3 40	3 44	0 47	17 30	1 9	2 43	2 41	22 26	0 6	16 18	1 36	28 56	16 29	18 46	18 36	10 6		n.a.
S 23	22 2	26 52	3 6	13 29	3 33	18 0	3 37	4 0	0 48	17 26	1 9	2 44	2 41	22 26	0 6	16 18	1 36	28 57	16 29	18 47	18 37	10 3		n.a.
M24	21 53	25 12	2 7	13 19	3 42	18 13	3 33	4 16	0 49	17 22	1 8	2 44	2 41	22 27	0 6	16 18	1 36	28 58	16 30	18 47	18 38	10 0		n.a.
T 25	21 43	22 22	1 3	13 12	3 51	18 26	3 29	4 32	0 50	17 18	1 8	2 45	2 41	22 27	0 6	16 18	1 36	28 58	16 30	18 47	18 38	9 57		n.a.
W26	21 33	18 36	0n 3	13 7	3 59	18 39	3 26	4 49	0 51	17 14	1 8	2 45	2 42	22 27	0 6	16 17	1 36	28 59	16 30	18 47	18 39	9 54		n.a.
T 27	21 22	14 8	1 8	13 4	4 6	18 51	3 22	5 5	0 51	17 11	1 8	2 46	2 42	22 28	0 6	16 17	1 36	28 59	16 30	18 47	18 40	9 51		n.a.
F 28	21 11	9 10	2 11	13 4	4 12	19 4	3 18	5 21	0 52	17 7	1 8	2 46	2 42	22 28	0 6	16 17	1 36	29 0	16 30	18 47	18 41	9 48		n.a.
S 29	21 0	3 53	3 7	13 7	4 17	19 16	3 14	5 37	0 53	17 3	1 8	2 47	2 43	22 29	0 6	16 17	1 36	29 0	16 31	18 47	18 42	9 44		n.a.
S 30	20 48	1n31	3 56	13 13	4 20	19 28	3 10	5 53	0 54	16 59	1 8	2 48	2 43	22 29	0 6	16 17	1 36	29 1	16 31	18 47	18 42	9 41		n.a.
M31	20n36	6n55	4n35	13n22	4s22	19n39	3s 6	6s10	0s55	16n55	1n 8	2s48	2s43	22n29	0n 6	16s17	1n36	29s 1	16s31	18s46	18s43	9s38		n.a.

Julian Day Number = 1482730.5, Delta T = 05h21m20s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'56, Lahiri = -12°58'56 Julian Calendar 1 July 654 BCE == Greg. Calendar 24 June 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

AUGUST 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 7 59	0♌10'44	18♈54	10°R50	14♊20	13♎57	17♌38	29°R12	10♊55	19°R23	24°R23	7♒ 2	7♒11	0♓24	n.a.	T 1
W 2	20 11 55	1° 8'57	1♉15	10♌ 1	15°20	14°36	17°50	29♓11	10°58	19♏23	24♒22	7°R 2	7° 8	0°31	n.a.	W 2
T 3	20 15 52	2° 7'12	13°55	9° 7	16°20	15°16	18° 3	29° 9	11° 0	19°23	24°21	7° 2	7° 5	0°38	n.a.	T 3
F 4	20 19 49	3° 5'30	26°58	8°11	17°21	15°55	18°16	29° 8	11° 3	19°22	24°19	7° 2	7° 1	0°44	n.a.	F 4
S 5	20 23 45	4° 3'50	10♊27	7°12	18°22	16°35	18°29	29° 6	11° 5	19°22	24°18	7° 2	6°58	0°51	n.a.	S 5
S 6	20 27 42	5° 2'12	24°22	6°12	19°23	17°15	18°42	29° 4	11° 8	19°22	24°17	7° 1	6°55	0°57	n.a.	S 6
M 7	20 31 38	6° 0'37	8♋43	5°13	20°25	17°55	18°54	29° 2	11°10	19°22	24°16	7° 1	6°52	1° 4	n.a.	M 7
T 8	20 35 35	6°59'03	23°26	4°15	21°27	18°35	19° 7	29° 0	11°13	19°22	24°15	7°D 1	6°49	1°11	n.a.	T 8
W 9	20 39 31	7°57'32	8♌25	3°20	22°29	19°16	19°20	28°58	11°15	19°D22	24°14	7°R 1	6°45	1°17	n.a.	W 9
T 10	20 43 28	8°56'02	23°31	2°29	23°32	19°56	19°33	28°56	11°17	19°22	24°13	7° 1	6°42	1°24	n.a.	T 10
F 11	20 47 24	9°54'34	8♍36	1°43	24°35	20°37	19°46	28°54	11°20	19°22	24°12	7° 1	6°39	1°31	n.a.	F 11
S 12	20 51 21	10°53'09	23°31	1° 5	25°38	21°17	19°59	28°52	11°22	19°22	24°10	7° 1	6°36	1°37	n.a.	S 12
S 13	20 55 18	11°51'44	8♎ 8	0°34	26°42	21°58	20°12	28°49	11°24	19°22	24° 9	7° 0	6°33	1°44	n.a.	S 13
M14	20 59 14	12°50'22	22°24	0°11	27°46	22°39	20°25	28°47	11°26	19°22	24° 8	7° 0	6°30	1°51	n.a.	M14
T 15	21 3 11	13°49'02	6♏16	29♋58	28°50	23°20	20°38	28°44	11°28	19°22	24° 7	6°59	6°26	1°57	n.a.	T 15
W16	21 7 7	14°47'43	19°44	29°D54	29°54	24° 1	20°51	28°41	11°31	19°23	24° 6	6°D59	6°23	2° 4	n.a.	W16
T 17	21 11 4	15°46'26	2♐49	29°59	0♌59	24°43	21° 4	28°39	11°33	19°23	24° 4	7° 0	6°20	2°11	n.a.	T 17
F 18	21 15 0	16°45'12	15°35	0♌15	2° 4	25°24	21°17	28°36	11°35	19°23	24° 3	7° 0	6°17	2°17	n.a.	F 18
S 19	21 18 57	17°43'59	28° 5	0°40	3° 9	26° 6	21°30	28°33	11°37	19°24	24° 2	7° 1	6°14	2°24	n.a.	S 19
S 20	21 22 53	18°42'47	10♑20	1°14	4°14	26°47	21°43	28°30	11°38	19°24	24° 1	7° 3	6°11	2°31	n.a.	S 20
M21	21 26 50	19°41'38	22°26	1°57	5°20	27°29	21°56	28°26	11°40	19°24	24° 0	7° 3	6° 7	2°37	n.a.	M21
T 22	21 30 47	20°40'31	4♒23	2°48	6°26	28°11	22° 9	28°23	11°42	19°25	23°58	7°R 4	6° 4	2°44	n.a.	T 22
W23	21 34 43	21°39'26	16°16	3°47	7°32	28°53	22°22	28°20	11°44	19°25	23°57	7° 4	6° 1	2°51	n.a.	W23
T 24	21 38 40	22°38'23	28° 5	4°53	8°38	29°35	22°35	28°16	11°46	19°26	23°56	7° 3	5°58	2°57	n.a.	T 24
F 25	21 42 36	23°37'22	9♓54	6° 6	9°45	0♏17	22°48	28°13	11°47	19°26	23°55	7° 1	5°55	3° 4	n.a.	F 25
S 26	21 46 33	24°36'23	21°44	7°24	10°52	0°59	23° 1	28° 9	11°49	19°27	23°54	6°58	5°51	3°11	n.a.	S 26
S 27	21 50 29	25°35'27	3♈37	8°48	11°59	1°42	23°14	28° 6	11°50	19°27	23°52	6°55	5°48	3°17	n.a.	S 27
M28	21 54 26	26°34'32	15°37	10°16	13° 6	2°24	23°28	28° 2	11°52	19°28	23°51	6°52	5°45	3°24	n.a.	M28
T 29	21 58 22	27°33'41	27°45	11°48	14°14	3° 7	23°41	27°58	11°53	19°28	23°50	6°50	5°42	3°31	n.a.	T 29
W30	22 2 19	28°32'51	10♉ 6	13°23	15°21	3°49	23°54	27°54	11°55	19°29	23°49	6°47	5°39	3°37	n.a.	W30
T 31	22 6 15	29♌32'04	22♉44	15♌ 1	16♋29	4♏32	24♌ 7	27♓50	11♊56	19♏30	23♒48	6♒46	5♒36	3♓44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20n24	12n 8	5n 2	13n33	4s23	19n50	3s 1	6s26	0s56	16n51	1n 8	2s49	2s43	22n30	0n 6	16s17	1n36	29s 2	16s31	18s46	18s44	9s35		n.a.	T 1
W 2	20 11	17 0	5 16	13 48	4 21	20 1	2 57	6 42	0 57	16 47	1 8	2 50	2 44	22 30	0 6	16 17	1 36	29 2	16 31	18 46	18 45	9 32		n.a.	W 2
T 3	19 58	21 14	5 15	14 5	4 18	20 12	2 53	6 58	0 57	16 43	1 8	2 51	2 44	22 31	0 6	16 17	1 35	29 3	16 31	18 46	18 46	9 29		n.a.	T 3
F 4	19 44	24 35	4 59	14 25	4 13	20 22	2 49	7 15	0 58	16 39	1 8	2 51	2 44	22 31	0 6	16 17	1 35	29 4	16 32	18 46	18 47	9 26		n.a.	F 4
S 5	19 31	26 42	4 25	14 46	4 5	20 32	2 44	7 31	0 59	16 35	1 8	2 52	2 45	22 31	0 6	16 17	1 35	29 4	16 32	18 46	18 47	9 23		n.a.	S 5
S 6	19 16	27 15	3 36	15 10	3 56	20 41	2 40	7 47	1 0	16 31	1 8	2 53	2 45	22 32	0 6	16 17	1 35	29 5	16 32	18 47	18 48	9 19		n.a.	S 6
M 7	19 2	26 0	2 31	15 36	3 45	20 50	2 36	8 3	1 1	16 27	1 8	2 54	2 45	22 32	0 6	16 17	1 35	29 5	16 32	18 47	18 49	9 16		n.a.	M 7
T 8	18 47	22 56	1 15	16 2	3 32	20 59	2 31	8 20	1 1	16 23	1 8	2 55	2 45	22 32	0 6	16 17	1 35	29 6	16 32	18 47	18 50	9 13		n.a.	T 8
W 9	18 32	18 17	0s 8	16 29	3 18	21 7	2 27	8 36	1 2	16 19	1 8	2 56	2 46	22 33	0 6	16 17	1 35	29 6	16 32	18 47	18 51	9 10		n.a.	W 9
T 10	18 17	12 27	1 30	16 56	3 2	21 15	2 22	8 52	1 3	16 15	1 8	2 58	2 46	22 33	0 6	16 17	1 35	29 7	16 32	18 47	18 51	9 7		n.a.	T 10
F 11	18 1	5 53	2 47	17 23	2 44	21 22	2 18	9 8	1 4	16 10	1 8	2 59	2 46	22 33	0 6	16 18	1 35	29 7	16 32	18 47	18 52	9 4		n.a.	F 11
S 12	17 45	0s55	3 51	17 49	2 26	21 29	2 13	9 24	1 4	16 6	1 8	3 0	2 46	22 34	0 6	16 18	1 35	29 8	16 33	18 47	18 53	9 1		n.a.	S 12
S 13	17 28	7 31	4 38	18 14	2 8	21 35	2 9	9 41	1 5	16 2	1 8	3 1	2 47	22 34	0 6	16 18	1 35	29 8	16 33	18 47	18 54	8 58		n.a.	S 13
M14	17 12	13 34	5 7	18 37	1 49	21 41	2 4	9 57	1 6	15 58	1 8	3 2	2 47	22 34	0 6	16 18	1 35	29 9	16 33	18 47	18 55	8 54		n.a.	M14
T 15	16 55	18 46	5 17	18 59	1 30	21 47	1 59	10 13	1 6	15 54	1 8	3 4	2 47	22 35	0 6	16 18	1 35	29 9	16 33	18 47	18 55	8 51		n.a.	T 15
W16	16 37	22 52	5 10	19 18	1 11	21 52	1 55	10 29	1 7	15 50	1 8	3 5	2 47	22 35	0 6	16 18	1 35	29 10	16 33	18 47	18 56	8 48		n.a.	W16
T 17	16 20	25 41	4 46	19 35	0 52	21 56	1 50	10 45	1 8	15 45	1 8	3 6	2 48	22 35	0 6	16 18	1 35	29 10	16 33	18 47	18 57	8 45		n.a.	T 17
F 18	16 2	27 6	4 8	19 50	0 34	22 0	1 46	11 1	1 8	15 41	1 8	3 8	2 48	22 36	0 6	16 18	1 35	29 11	16 33	18 47	18 58	8 42		n.a.	F 18
S 19	15 44	27 5	3 20	20 1	0 17	22 3	1 41	11 17	1 9	15 37	1 9	3 9	2 48	22 36	0 6	16 18	1 35	29 11	16 33	18 47	18 59	8 39		n.a.	S 19
S 20	15 26	25 44	2 23	20 10	0 0	22 6	1 36	11 33	1 10	15 33	1 9	3 10	2 48	22 36	0 6	16 19	1 34	29 12	16 33	18 46	18 59	8 36		n.a.	S 20
M21	15 7	23 12	1 20	20 15	0n15	22 8	1 32	11 49	1 10	15 28	1 9	3 12	2 49	22 36	0 6	16 19	1 34	29 12	16 33	18 46	19 0	8 32		n.a.	M21
T 22	14 48	19 40	0 15	20 17	0 30	22 10	1 27	12 4	1 11	15 24	1 9	3 13	2 49	22 37	0 6	16 19	1 34	29 13	16 33	18 46	19 1	8 29		n.a.	T 22
W23	14 29	15 23	0n51	20 16	0 43	22 11	1 23	12 20	1 11	15 20	1 9	3 15	2 49	22 37	0 6	16 19	1 34	29 13	16 33	18 46	19 2	8 26		n.a.	W23
T 24	14 10	10 32	1 54	20 12	0 55	22 12	1 18	12 36	1 12	15 15	1 9	3 17	2 49	22 37	0 6	16 19	1 34	29 14	16 33	18 46	19 3	8 23		n.a.	T 24
F 25	13 50	5 19	2 52	20 4	1 6	22 11	1 13	12 51	1 12	15 11	1 9	3 18	2 49	22 37	0 6	16 20	1 34	29 14	16 33	18 47	19 3	8 20		n.a.	F 25
S 26	13 30	0n 4	3 42	19 53	1 15	22 11	1 9	13 7	1 13	15 7	1 9	3 20	2 50	22 38	0 7	16 20	1 34	29 14	16 33	18 47	19 4	8 17		n.a.	S 26
S 27	13 10	5 29	4 24	19 40	1 24	22 10	1 4	13 22	1 14	15 3	1 9	3 21	2 50	22 38	0 7	16 20	1 34	29 15	16 33	18 48	19 5	8 13		n.a.	S 27
M28	12 50	10 44	4 54	19 23	1 31	22 8	1 0	13 38	1 14	14 58	1 9	3 23	2 50	22 38	0 7	16 20	1 34	29 15	16 33	18 49	19 6	8 10		n.a.	M28
T 29	12 29	15 39	5 11	19 3	1 37	22 5	0 55	13 53	1 15	14 54	1 9	3 25	2 50	22 38	0 7	16 20	1 34	29 16	16 33	18 50	19 7	8 7		n.a.	T 29
W30	12 9	20 1	5 14	18 40	1 43	22 2	0 51	14 9	1 15	14 50	1 9	3 27	2 50	22 39	0 7	16 21	1 34	29 16	16 33	18 50	19 7	8 4		n.a.	W30
T 31	11n48	23n35	5n 3	18n16	1n47	21n58	0s46	14s24	1s16	14n45	1n 9	3s28	2s50	22n39	0n 7	16s21	1n34	29s17	16s33	18s50	19s 8	8s 1		n.a.	T 31

Julian Day Number = 1482761.5, Delta T = 05h21m18s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'52, Lahiri = -12°58'52 Julian Calendar 1 Aug. 654 BCE == Greg. Calendar 25 July 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

SEPTEMBER 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 10 12	0♍31'20	5♊41	16♌41	17♋37	5♏15	24♌20	27°R46	11♊58	19♏31	23°R46	6°D46	5♒32	3♓51	n.a.	F 1
S 2	22 14 9	1°30'38	19° 1	18°22	18°45	5°58	24°33	27♓42	11°59	19°31	23♒45	6♒47	5°29	3°57	n.a.	S 2
S 3	22 18 5	2°29'59	2♋46	20° 5	19°54	6°41	24°46	27°38	12° 0	19°32	23°44	6°48	5°26	4° 4	n.a.	S 3
M 4	22 22 2	3°29'22	16°58	21°50	21° 2	7°24	24°59	27°34	12° 1	19°33	23°43	6°50	5°23	4°11	n.a.	M 4
T 5	22 25 58	4°28'47	1♌34	23°34	22°11	8° 7	25°12	27°30	12° 2	19°34	23°42	6°R51	5°20	4°17	n.a.	T 5
W 6	22 29 55	5°28'15	16°32	25°20	23°20	8°51	25°25	27°25	12° 3	19°35	23°40	6°51	5°17	4°24	n.a.	W 6
T 7	22 33 51	6°27'45	1♍42	27° 5	24°29	9°34	25°38	27°21	12° 4	19°36	23°39	6°49	5°13	4°31	n.a.	T 7
F 8	22 37 48	7°27'17	16°58	28°51	25°39	10°17	25°51	27°17	12° 5	19°37	23°38	6°46	5°10	4°37	n.a.	F 8
S 9	22 41 44	8°26'51	2♎ 7	0♍37	26°48	11° 1	26° 4	27°12	12° 6	19°38	23°37	6°42	5° 7	4°44	n.a.	S 9
S 10	22 45 41	9°26'27	17° 0	2°22	27°58	11°45	26°16	27° 8	12° 7	19°39	23°36	6°37	5° 4	4°51	n.a.	S 10
M11	22 49 38	10°26'05	1♏30	4° 7	29° 7	12°29	26°29	27° 3	12° 8	19°40	23°35	6°32	5° 1	4°57	n.a.	M11
T 12	22 53 34	11°25'46	15°33	5°52	0♌17	13°12	26°42	26°59	12° 9	19°41	23°34	6°28	4°57	5° 4	n.a.	T 12
W13	22 57 31	12°25'28	29° 7	7°36	1°27	13°56	26°55	26°54	12° 9	19°42	23°32	6°26	4°54	5°11	n.a.	W13
T 14	23 1 27	13°25'11	12♐14	9°20	2°37	14°40	27° 8	26°49	12°10	19°43	23°31	6°D25	4°51	5°17	n.a.	T 14
F 15	23 5 24	14°24'57	24°57	11° 3	3°48	15°24	27°21	26°45	12°11	19°44	23°30	6°25	4°48	5°24	n.a.	F 15
S 16	23 9 20	15°24'45	7♑20	12°46	4°58	16° 9	27°33	26°40	12°11	19°45	23°29	6°27	4°45	5°31	n.a.	S 16
S 17	23 13 17	16°24'34	19°28	14°28	6° 9	16°53	27°46	26°35	12°12	19°47	23°28	6°29	4°42	5°37	n.a.	S 17
M18	23 17 13	17°24'25	1♒25	16°10	7°20	17°37	27°59	26°30	12°12	19°48	23°27	6°R30	4°38	5°44	n.a.	M18
T 19	23 21 10	18°24'18	13°16	17°51	8°30	18°22	28°12	26°25	12°12	19°49	23°26	6°30	4°35	5°51	n.a.	T 19
W20	23 25 6	19°24'13	25° 4	19°31	9°41	19° 6	28°24	26°21	12°13	19°50	23°25	6°28	4°32	5°57	n.a.	W20
T 21	23 29 3	20°24'10	6♓53	21°11	10°52	19°50	28°37	26°16	12°13	19°52	23°24	6°24	4°29	6° 4	n.a.	T 21
F 22	23 33 0	21°24'09	18°44	22°50	12° 4	20°35	28°49	26°11	12°13	19°53	23°23	6°17	4°26	6°11	n.a.	F 22
S 23	23 36 56	22°24'09	0♈39	24°29	13°15	21°20	29° 2	26° 6	12°13	19°55	23°22	6° 9	4°23	6°17	n.a.	S 23
S 24	23 40 53	23°24'12	12°40	26° 7	14°27	22° 4	29°14	26° 1	12°14	19°56	23°21	6° 0	4°19	6°24	n.a.	S 24
M25	23 44 49	24°24'17	24°49	27°45	15°38	22°49	29°27	25°56	12°R14	19°57	23°20	5°51	4°16	6°31	n.a.	M25
T 26	23 48 46	25°24'24	7♉ 6	29°22	16°50	23°34	29°39	25°51	12°14	19°59	23°19	5°42	4°13	6°37	n.a.	T 26
W27	23 52 42	26°24'33	19°34	0♎59	18° 2	24°19	29°52	25°46	12°14	20° 0	23°18	5°35	4°10	6°44	n.a.	W27
T 28	23 56 39	27°24'45	2♊15	2°35	19°14	25° 4	0♍ 4	25°42	12°13	20° 2	23°17	5°29	4° 7	6°51	n.a.	T 28
F 29	0 0 35	28°24'58	15°10	4°10	20°26	25°49	0°16	25°37	12°13	20° 4	23°16	5°26	4° 3	6°57	n.a.	F 29
S 30	0 4 32	29♍25'14	28♊24	5♎46	21♌38	26♏34	0♍28	25♓32	12♊13	20♏ 5	23♒15	5°D25	4♒ 0	7♓ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	11n27	26n 5	4n36	17n48	1n50	21n54	0s42	14s39	1s16	14n41	1n 9	3s30	2s51	22n39	0n 7	16s21	1n34	29s17	16s33	18s50	19s 9	7s58		n.a.
S 2	11 5	27 11	3 54	17 19	1 52	21 49	0 38	14 54	1 17	14 36	1 9	3 32	2 51	22 39	0 7	16 21	1 34	29 17	16 33	18 50	19 10	7 55		n.a.
S 3	10 44	26 41	2 57	16 47	1 54	21 44	0 33	15 9	1 17	14 32	1 9	3 34	2 51	22 39	0 7	16 22	1 34	29 18	16 33	18 50	19 11	7 51		n.a.
M 4	10 22	24 27	1 47	16 14	1 54	21 37	0 29	15 24	1 17	14 28	1 9	3 35	2 51	22 40	0 7	16 22	1 34	29 18	16 33	18 50	19 11	7 48		n.a.
T 5	10 0	20 34	0 29	15 39	1 54	21 31	0 25	15 38	1 18	14 23	1 9	3 37	2 51	22 40	0 7	16 22	1 34	29 19	16 33	18 49	19 12	7 45		n.a.
W 6	9 38	15 16	0s53	15 2	1 54	21 23	0 21	15 53	1 18	14 19	1 9	3 39	2 51	22 40	0 7	16 23	1 33	29 19	16 33	18 49	19 13	7 42		n.a.
T 7	9 16	8 58	2 12	14 25	1 52	21 15	0 16	16 7	1 19	14 15	1 9	3 41	2 52	22 40	0 7	16 23	1 33	29 19	16 33	18 50	19 14	7 39		n.a.
F 8	8 54	2 7	3 22	13 46	1 51	21 7	0 12	16 22	1 19	14 10	1 10	3 43	2 52	22 40	0 7	16 23	1 33	29 20	16 33	18 51	19 15	7 36		n.a.
S 9	8 31	4s47	4 17	13 6	1 48	20 57	0 8	16 36	1 20	14 6	1 10	3 45	2 52	22 40	0 7	16 23	1 33	29 20	16 33	18 52	19 15	7 32		n.a.
S 10	8 8	11 17	4 54	12 25	1 45	20 48	0 4	16 50	1 20	14 1	1 10	3 47	2 52	22 40	0 7	16 24	1 33	29 20	16 33	18 53	19 16	7 29		n.a.
M11	7 46	17 0	5 11	11 43	1 42	20 37	0 0	17 4	1 20	13 57	1 10	3 49	2 52	22 41	0 7	16 24	1 33	29 21	16 33	18 54	19 17	7 26		n.a.
T 12	7 23	21 38	5 8	11 0	1 38	20 26	0n 4	17 18	1 21	13 53	1 10	3 51	2 52	22 41	0 7	16 25	1 33	29 21	16 33	18 55	19 18	7 23		n.a.
W13	7 0	24 55	4 48	10 17	1 34	20 14	0 8	17 32	1 21	13 48	1 10	3 53	2 52	22 41	0 7	16 25	1 33	29 21	16 32	18 56	19 18	7 20		n.a.
T 14	6 36	26 46	4 13	9 34	1 30	20 2	0 11	17 46	1 21	13 44	1 10	3 55	2 52	22 41	0 7	16 25	1 33	29 22	16 32	18 56	19 19	7 17		n.a.
F 15	6 13	27 8	3 27	8 50	1 25	19 49	0 15	17 59	1 22	13 40	1 10	3 57	2 52	22 41	0 7	16 26	1 33	29 22	16 32	18 56	19 20	7 13		n.a.
S 16	5 50	26 6	2 32	8 5	1 20	19 36	0 19	18 12	1 22	13 35	1 10	3 59	2 52	22 41	0 7	16 26	1 33	29 22	16 32	18 55	19 21	7 10		n.a.
S 17	5 26	23 51	1 31	7 21	1 15	19 22	0 23	18 26	1 22	13 31	1 10	4 0	2 53	22 41	0 7	16 26	1 33	29 22	16 32	18 55	19 22	7 7		n.a.
M18	5 3	20 34	0 28	6 36	1 9	19 7	0 26	18 39	1 23	13 26	1 10	4 2	2 53	22 41	0 7	16 27	1 33	29 23	16 32	18 55	19 22	7 4		n.a.
T 19	4 39	16 29	0n37	5 51	1 4	18 52	0 30	18 52	1 23	13 22	1 10	4 4	2 53	22 41	0 7	16 27	1 33	29 23	16 32	18 55	19 23	7 1		n.a.
W20	4 15	11 47	1 39	5 5	0 58	18 36	0 33	19 4	1 23	13 18	1 11	4 6	2 53	22 41	0 7	16 28	1 33	29 23	16 32	18 55	19 24	6 58		n.a.
T 21	3 51	6 41	2 37	4 20	0 52	18 20	0 36	19 17	1 23	13 13	1 11	4 8	2 53	22 41	0 7	16 28	1 33	29 23	16 31	18 56	19 25	6 54		n.a.
F 22	3 27	1 20	3 28	3 35	0 46	18 3	0 40	19 29	1 24	13 9	1 11	4 10	2 53	22 41	0 7	16 28	1 33	29 24	16 31	18 58	19 25	6 51		n.a.
S 23	3 3	4n 5	4 11	2 49	0 40	17 46	0 43	19 42	1 24	13 5	1 11	4 12	2 53	22 41	0 7	16 29	1 33	29 24	16 31	19 0	19 26	6 48		n.a.
S 24	2 39	9 23	4 42	2 4	0 33	17 28	0 46	19 54	1 24	13 0	1 11	4 14	2 53	22 41	0 7	16 29	1 32	29 24	16 31	19 2	19 27	6 45		n.a.
M25	2 15	14 24	5 1	1 19	0 27	17 9	0 49	20 6	1 24	12 56	1 11	4 16	2 53	22 42	0 7	16 30	1 32	29 24	16 31	19 4	19 28	6 42		n.a.
T 26	1 51	18 53	5 7	0 34	0 20	16 50	0 52	20 17	1 25	12 52	1 11	4 18	2 53	22 42	0 7	16 30	1 32	29 24	16 30	19 7	19 28	6 39		n.a.
W27	1 27	22 38	4 58	0s11	0 14	16 31	0 55	20 29	1 25	12 47	1 11	4 20	2 53	22 42	0 7	16 31	1 32	29 25	16 30	19 8	19 29	6 35		n.a.
T 28	1 3	25 23	4 34	0 56	0 7	16 11	0 58	20 40	1 25	12 43	1 11	4 22	2 53	22 42	0 7	16 31	1 32	29 25	16 30	19 10	19 30	6 32		n.a.
F 29	0 38	26 51	3 56	1 40	0 1	15 51	1 1	20 52	1 25	12 39	1 12	4 24	2 53	22 42	0 7	16 32	1 32	29 25	16 30	19 11	19 31	6 29		n.a.
S 30	0n14	26n51	3n 5	2s24	0s 6	15n30	1n 4	21s 3	1s25	12n34	1n12	4s26	2s53	22n42	0n 7	16s32	1n32	29s25	16s30	19s11	19s31	6s26		n.a.

Julian Day Number = 1482792.5, Delta T = 05h21m17s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'48, Lahiri = -12°58'47 Julian Calendar 1 Sept. 654 BCE == Greg. Calendar 25 Aug. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

OCTOBER 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 8 29	0♎25'32	11♋59	7♎20	22♌50	27♏19	0♍41	25°R27	12°R13	20♏ 7	23°R14	5♒26	3♒57	7♓11	n.a.	S 1
M 2	0 12 25	1°25'52	25°56	8°55	24° 3	28° 4	0°53	25♓22	12♊12	20° 8	23♒13	5°27	3°54	7°17	n.a.	M 2
T 3	0 16 22	2°26'15	10♌16	10°29	25°15	28°50	1° 5	25°17	12°12	20°10	23°12	5°R27	3°51	7°24	n.a.	T 3
W 4	0 20 18	3°26'39	24°57	12° 2	26°28	29°35	1°17	25°12	12°12	20°12	23°11	5°25	3°48	7°31	n.a.	W 4
T 5	0 24 15	4°27'05	9♍55	13°35	27°40	0♐20	1°29	25° 8	12°11	20°13	23°10	5°21	3°44	7°37	n.a.	T 5
F 6	0 28 11	5°27'34	25° 3	15° 8	28°53	1° 6	1°41	25° 3	12°11	20°15	23° 9	5°15	3°41	7°44	n.a.	F 6
S 7	0 32 8	6°28'04	10♎10	16°41	0♍ 6	1°51	1°53	24°58	12°10	20°17	23° 8	5° 6	3°38	7°51	n.a.	S 7
S 8	0 36 4	7°28'36	25° 7	18°13	1°19	2°37	2° 4	24°53	12° 9	20°19	23° 8	4°56	3°35	7°57	n.a.	S 8
M 9	0 40 1	8°29'09	9♏44	19°45	2°32	3°23	2°16	24°49	12° 9	20°20	23° 7	4°46	3°32	8° 4	n.a.	M 9
T 10	0 43 57	9°29'44	23°56	21°16	3°45	4° 8	2°28	24°44	12° 8	20°22	23° 6	4°37	3°28	8°11	n.a.	T 10
W11	0 47 54	10°30'21	7♐38	22°47	4°58	4°54	2°40	24°39	12° 7	20°24	23° 5	4°30	3°25	8°17	n.a.	W11
T 12	0 51 51	11°30'59	20°50	24°18	6°11	5°40	2°51	24°35	12° 6	20°26	23° 5	4°26	3°22	8°24	n.a.	T 12
F 13	0 55 47	12°31'38	3♑37	25°48	7°24	6°25	3° 3	24°30	12° 5	20°28	23° 4	4°24	3°19	8°31	n.a.	F 13
S 14	0 59 44	13°32'18	16° 1	27°19	8°38	7°11	3°14	24°26	12° 4	20°30	23° 3	4°D23	3°16	8°37	n.a.	S 14
S 15	1 3 40	14°33'00	28° 7	28°48	9°51	7°57	3°25	24°21	12° 3	20°32	23° 2	4°R24	3°13	8°44	n.a.	S 15
M16	1 7 37	15°33'43	10♒ 3	0♏18	11° 5	8°43	3°37	24°17	12° 2	20°33	23° 2	4°24	3° 9	8°51	n.a.	M16
T 17	1 11 33	16°34'28	21°52	1°47	12°18	9°29	3°48	24°13	12° 1	20°35	23° 1	4°22	3° 6	8°57	n.a.	T 17
W18	1 15 30	17°35'13	3♓39	3°15	13°32	10°15	3°59	24° 8	12° 0	20°37	23° 1	4°18	3° 3	9° 4	n.a.	W18
T 19	1 19 26	18°36'00	15°29	4°43	14°46	11° 1	4°10	24° 4	11°59	20°39	23° 0	4°12	3° 0	9°11	n.a.	T 19
F 20	1 23 23	19°36'48	27°24	6°11	15°59	11°47	4°21	24° 0	11°58	20°41	22°59	4° 2	2°57	9°17	n.a.	F 20
S 21	1 27 20	20°37'37	9♈27	7°38	17°13	12°33	4°32	23°56	11°56	20°43	22°59	3°50	2°54	9°24	n.a.	S 21
S 22	1 31 16	21°38'28	21°40	9° 4	18°27	13°19	4°43	23°52	11°55	20°45	22°58	3°36	2°50	9°31	n.a.	S 22
M23	1 35 13	22°39'20	4♉ 2	10°30	19°41	14° 6	4°53	23°48	11°54	20°47	22°58	3°22	2°47	9°37	n.a.	M23
T 24	1 39 9	23°40'13	16°35	11°55	20°55	14°52	5° 4	23°44	11°52	20°49	22°57	3° 9	2°44	9°44	n.a.	T 24
W25	1 43 6	24°41'08	29°18	13°19	22° 9	15°38	5°15	23°40	11°51	20°52	22°57	2°57	2°41	9°51	n.a.	W25
T 26	1 47 2	25°42'04	12♊12	14°42	23°23	16°24	5°25	23°36	11°49	20°54	22°56	2°48	2°38	9°57	n.a.	T 26
F 27	1 50 59	26°43'02	25°18	16° 3	24°37	17°10	5°35	23°33	11°47	20°56	22°56	2°42	2°34	10° 4	n.a.	F 27
S 28	1 54 55	27°44'01	8♋36	17°24	25°52	17°57	5°46	23°29	11°46	20°58	22°55	2°39	2°31	10°11	n.a.	S 28
S 29	1 58 52	28°45'01	22° 8	18°43	27° 6	18°43	5°56	23°25	11°44	21° 0	22°55	2°38	2°28	10°17	n.a.	S 29
M30	2 2 49	29°46'03	5♌56	20° 0	28°20	19°30	6° 6	23°22	11°43	21° 2	22°55	2°38	2°25	10°24	n.a.	M30
T 31	2 6 45	0♏47'06	20♌ 1	21♏15	29♍34	20♐16	6♍16	23♓19	11♊41	21♏ 4	22♒54	2♒38	2♒22	10♓31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s10	25n16	2n 3	3s 9	0s12	15n 8	1n 6	21s13	1s26	12n30	1n12	4s28	2s53	22n41	0n 7	16s32	1n32	29s25	16s29	19s11	19s32	6s23		n.a.
M 2	0 35	22 5	0 51	3 52	0 19	14 47	1 9	21 24	1 26	12 26	1 12	4 30	2 53	22 41	0 7	16 33	1 32	29 25	16 29	19 10	19 33	6 20		n.a.
T 3	0 59	17 30	0s26	4 36	0 26	14 24	1 11	21 34	1 26	12 22	1 12	4 32	2 53	22 41	0 7	16 33	1 32	29 25	16 29	19 10	19 34	6 16		n.a.
W 4	1 23	11 47	1 42	5 19	0 32	14 2	1 14	21 45	1 26	12 17	1 12	4 34	2 53	22 41	0 7	16 34	1 32	29 25	16 29	19 11	19 35	6 13		n.a.
T 5	1 48	5 17	2 53	6 2	0 39	13 38	1 16	21 55	1 26	12 13	1 12	4 36	2 53	22 41	0 7	16 34	1 32	29 26	16 29	19 12	19 35	6 10		n.a.
F 6	2 12	1s33	3 53	6 44	0 45	13 15	1 18	22 4	1 26	12 9	1 12	4 38	2 53	22 41	0 7	16 35	1 32	29 26	16 28	19 13	19 36	6 7		n.a.
S 7	2 36	8 18	4 36	7 26	0 52	12 51	1 21	22 14	1 26	12 5	1 13	4 40	2 53	22 41	0 7	16 35	1 32	29 26	16 28	19 16	19 37	6 4		n.a.
S 8	3 0	14 29	4 59	8 8	0 58	12 27	1 23	22 23	1 26	12 1	1 13	4 41	2 52	22 41	0 7	16 36	1 32	29 26	16 28	19 18	19 38	6 0		n.a.
M 9	3 25	19 42	5 3	8 49	1 4	12 2	1 25	22 32	1 26	11 57	1 13	4 43	2 52	22 41	0 7	16 36	1 32	29 26	16 28	19 20	19 38	5 57		n.a.
T 10	3 49	23 38	4 47	9 29	1 10	11 37	1 26	22 41	1 27	11 52	1 13	4 45	2 52	22 41	0 7	16 37	1 32	29 26	16 27	19 23	19 39	5 54		n.a.
W11	4 13	26 5	4 15	10 10	1 16	11 11	1 28	22 50	1 27	11 48	1 13	4 47	2 52	22 41	0 7	16 38	1 32	29 26	16 27	19 24	19 40	5 51		n.a.
T 12	4 37	26 57	3 30	10 49	1 22	10 46	1 30	22 58	1 27	11 44	1 13	4 49	2 52	22 41	0 7	16 38	1 32	29 26	16 27	19 25	19 41	5 48		n.a.
F 13	5 1	26 20	2 36	11 28	1 28	10 19	1 32	23 6	1 27	11 40	1 13	4 50	2 52	22 41	0 7	16 39	1 32	29 26	16 27	19 26	19 41	5 45		n.a.
S 14	5 25	24 24	1 36	12 6	1 33	9 53	1 33	23 14	1 27	11 36	1 14	4 52	2 52	22 41	0 7	16 39	1 32	29 26	16 26	19 26	19 42	5 41		n.a.
S 15	5 49	21 22	0 33	12 44	1 39	9 26	1 35	23 22	1 27	11 32	1 14	4 54	2 52	22 40	0 7	16 40	1 32	29 26	16 26	19 26	19 43	5 38		n.a.
M16	6 13	17 30	0n30	13 21	1 44	8 59	1 36	23 30	1 27	11 28	1 14	4 55	2 52	22 40	0 7	16 40	1 32	29 26	16 26	19 26	19 44	5 35		n.a.
T 17	6 36	12 59	1 31	13 58	1 49	8 32	1 37	23 37	1 27	11 24	1 14	4 57	2 52	22 40	0 7	16 41	1 31	29 26	16 25	19 26	19 44	5 32		n.a.
W18	7 0	8 0	2 29	14 33	1 54	8 5	1 39	23 44	1 27	11 20	1 14	4 59	2 51	22 40	0 7	16 41	1 31	29 26	16 25	19 27	19 45	5 29		n.a.
T 19	7 23	2 45	3 19	15 8	1 58	7 37	1 40	23 50	1 27	11 16	1 14	5 0	2 51	22 40	0 7	16 42	1 31	29 26	16 25	19 29	19 46	5 25		n.a.
F 20	7 47	2n38	4 2	15 42	2 3	7 9	1 41	23 57	1 27	11 12	1 15	5 2	2 51	22 40	0 7	16 42	1 31	29 26	16 25	19 31	19 46	5 22		n.a.
S 21	8 10	7 59	4 34	16 15	2 7	6 40	1 42	24 3	1 27	11 8	1 15	5 3	2 51	22 40	0 7	16 43	1 31	29 26	16 24	19 34	19 47	5 19		n.a.
S 22	8 33	13 5	4 54	16 47	2 11	6 12	1 43	24 9	1 27	11 5	1 15	5 5	2 51	22 39	0 7	16 44	1 31	29 25	16 24	19 37	19 48	5 16		n.a.
M23	8 56	17 44	5 0	17 18	2 14	5 43	1 43	24 15	1 27	11 1	1 15	5 6	2 51	22 39	0 7	16 44	1 31	29 25	16 24	19 41	19 49	5 13		n.a.
T 24	9 19	21 41	4 52	17 47	2 17	5 14	1 44	24 20	1 27	10 57	1 15	5 8	2 50	22 39	0 7	16 45	1 31	29 25	16 23	19 44	19 49	5 10		n.a.
W25	9 42	24 40	4 29	18 16	2 20	4 45	1 45	24 25	1 26	10 53	1 15	5 9	2 50	22 39	0 7	16 45	1 31	29 25	16 23	19 46	19 50	5 6		n.a.
T 26	10 4	26 25	3 53	18 44	2 22	4 16	1 45	24 30	1 26	10 50	1 16	5 10	2 50	22 39	0 7	16 46	1 31	29 25	16 23	19 48	19 51	5 3		n.a.
F 27	10 27	26 45	3 3	19 10	2 24	3 47	1 46	24 35	1 26	10 46	1 16	5 12	2 50	22 38	0 8	16 47	1 31	29 25	16 22	19 50	19 52	5 0		n.a.
S 28	10 49	25 33	2 3	19 35	2 25	3 17	1 46	24 39	1 26	10 42	1 16	5 13	2 50	22 38	0 8	16 47	1 31	29 25	16 22	19 51	19 52	4 57		n.a.
S 29	11 11	22 50	0 55	19 58	2 26	2 47	1 46	24 43	1 26	10 39	1 16	5 14	2 50	22 38	0 8	16 48	1 31	29 25	16 22	19 51	19 53	4 54		n.a.
M30	11 33	18 46	0s17	20 20	2 26	2 18	1 46	24 47	1 26	10 35	1 16	5 15	2 49	22 38	0 8	16 48	1 31	29 24	16 21	19 51	19 54	4 50		n.a.
T 31	11s54	13n35	1s30	20s40	2s26	1n48	1n47	24s50	1s26	10n31	1n17	5s16	2s49	22n38	0n 8	16s49	1n31	29s24	16s21	19s51	19s55	4s47		n.a.

Julian Day Number = 1482822.5, Delta T = 05h21m15s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'44, Lahiri = -12°58'43 Julian Calendar 1 Oct. 654 BCE == Greg. Calendar 24 Sept. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

NOVEMBER 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 10 42	1♏48'11	4♍22	22♏27	0♎49	21♐ 2	6♍26	23°R15	11°R39	21♏ 6	22°R54	2°R35	2♒19	10♓37	n.a.	W 1
T 2	2 14 38	2°49'16	18°57	23°37	2° 3	21°49	6°36	23♓12	11♊37	21° 9	22♒54	2♒30	2°15	10°44	n.a.	T 2
F 3	2 18 35	3°50'23	3♎42	24°43	3°18	22°35	6°45	23° 9	11°35	21°11	22°53	2°22	2°12	10°51	n.a.	F 3
S 4	2 22 31	4°51'31	18°29	25°46	4°32	23°22	6°55	23° 6	11°33	21°13	22°53	2°12	2° 9	10°58	n.a.	S 4
S 5	2 26 28	5°52'40	3♏12	26°45	5°47	24° 8	7° 4	23° 3	11°31	21°15	22°53	1°59	2° 6	11° 4	n.a.	S 5
M 6	2 30 25	6°53'50	17°40	27°39	7° 1	24°55	7°14	23° 0	11°29	21°17	22°53	1°47	2° 3	11°11	n.a.	M 6
T 7	2 34 21	7°55'00	1♐48	28°27	8°16	25°41	7°23	22°58	11°27	21°20	22°53	1°36	1°59	11°18	n.a.	T 7
W 8	2 38 18	8°56'12	15°30	29°10	9°31	26°28	7°32	22°55	11°25	21°22	22°52	1°26	1°56	11°24	n.a.	W 8
T 9	2 42 14	9°57'24	28°46	29°45	10°45	27°15	7°41	22°52	11°23	21°24	22°52	1°20	1°53	11°31	n.a.	T 9
F 10	2 46 11	10°58'36	11♑36	0♐12	12° 0	28° 1	7°50	22°50	11°21	21°26	22°52	1°16	1°50	11°38	n.a.	F 10
S 11	2 50 7	11°59'49	24° 4	0°30	13°15	28°48	7°59	22°48	11°19	21°29	22°52	1°15	1°47	11°44	n.a.	S 11
S 12	2 54 4	13° 1'02	6♒13	0°R38	14°29	29°34	8° 8	22°45	11°17	21°31	22°52	1°D15	1°44	11°51	n.a.	S 12
M13	2 58 0	14° 2'15	18°10	0°37	15°44	0♑21	8°16	22°43	11°15	21°33	22°52	1°R15	1°40	11°58	n.a.	M13
T 14	3 1 57	15° 3'28	0♓ 0	0°23	16°59	1° 8	8°25	22°41	11°12	21°35	22°D52	1°14	1°37	12° 4	n.a.	T 14
W15	3 5 54	16° 4'42	11°49	29♏59	18°14	1°54	8°33	22°39	11°10	21°38	22°52	1°11	1°34	12°11	n.a.	W15
T 16	3 9 50	17° 5'56	23°40	29°22	19°29	2°41	8°41	22°38	11° 8	21°40	22°52	1° 5	1°31	12°18	n.a.	T 16
F 17	3 13 47	18° 7'10	5♈40	28°35	20°43	3°28	8°49	22°36	11° 6	21°42	22°52	0°57	1°28	12°24	n.a.	F 17
S 18	3 17 43	19° 8'24	17°50	27°36	21°58	4°14	8°57	22°34	11° 3	21°44	22°52	0°46	1°25	12°31	n.a.	S 18
S 19	3 21 40	20° 9'39	0♉13	26°29	23°13	5° 1	9° 5	22°33	11° 1	21°47	22°52	0°33	1°21	12°38	n.a.	S 19
M20	3 25 36	21°10'53	12°51	25°14	24°28	5°48	9°13	22°31	10°59	21°49	22°52	0°20	1°18	12°44	n.a.	M20
T 21	3 29 33	22°12'08	25°42	23°54	25°43	6°34	9°20	22°30	10°56	21°51	22°52	0° 8	1°15	12°51	n.a.	T 21
W22	3 33 29	23°13'24	8♊46	22°32	26°58	7°21	9°28	22°29	10°54	21°53	22°53	29♑57	1°12	12°58	n.a.	W22
T 23	3 37 26	24°14'39	22° 3	21°10	28°13	8° 8	9°35	22°28	10°51	21°56	22°53	29°49	1° 9	13° 4	n.a.	T 23
F 24	3 41 23	25°15'55	5♋29	19°52	29°28	8°54	9°42	22°27	10°49	21°58	22°53	29°44	1° 5	13°11	n.a.	F 24
S 25	3 45 19	26°17'11	19° 5	18°39	0♏43	9°41	9°49	22°26	10°46	22° 0	22°53	29°41	1° 2	13°18	n.a.	S 25
S 26	3 49 16	27°18'28	2♌49	17°33	1°58	10°28	9°56	22°25	10°44	22° 2	22°54	29°D41	0°59	13°24	n.a.	S 26
M27	3 53 12	28°19'44	16°42	16°36	3°13	11°14	10° 3	22°25	10°41	22° 5	22°54	29°41	0°56	13°31	n.a.	M27
T 28	3 57 9	29°21'01	0♍43	15°49	4°28	12° 1	10° 9	22°24	10°39	22° 7	22°54	29°R42	0°53	13°38	n.a.	T 28
W29	4 1 5	0♐22'18	14°51	15°13	5°43	12°48	10°16	22°24	10°36	22° 9	22°55	29°41	0°50	13°45	n.a.	W29
T 30	4 5 2	1♐23'35	29♍ 6	14♏47	6♏58	13♑34	10♍22	22♓24	10♊34	22♏11	22♒55	29♑37	0♒46	13♓51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s16	7n35	2s39	20s58	2s25	1n18	1n47	24s54	1s26	10n28	1n17	5s18	2s49	22n37	0n 8	16s49	1n31	29s24	16s21	19s51	19s55	4s44		n.a.
T 2	12 37	1 5	3 38	21 14	2 23	0 48	1 46	24 56	1 26	10 24	1 17	5 19	2 49	22 37	0 8	16 50	1 31	29 24	16 20	19 53	19 56	4 41		n.a.
F 3	12 58	5s31	4 24	21 29	2 20	0 18	1 46	24 59	1 25	10 21	1 17	5 20	2 49	22 37	0 8	16 51	1 31	29 24	16 20	19 54	19 57	4 38		n.a.
S 4	13 19	11 50	4 52	21 41	2 16	0s13	1 46	25 2	1 25	10 17	1 17	5 21	2 48	22 37	0 8	16 51	1 31	29 23	16 20	19 57	19 57	4 34		n.a.
S 5	13 40	17 26	5 0	21 50	2 12	0 43	1 46	25 4	1 25	10 14	1 18	5 22	2 48	22 36	0 8	16 52	1 31	29 23	16 19	20 0	19 58	4 31		n.a.
M 6	14 0	21 57	4 49	21 58	2 6	1 13	1 45	25 5	1 25	10 11	1 18	5 23	2 48	22 36	0 8	16 52	1 31	29 23	16 19	20 3	19 59	4 28		n.a.
T 7	14 21	25 3	4 20	22 2	2 0	1 43	1 45	25 7	1 25	10 7	1 18	5 23	2 48	22 36	0 8	16 53	1 31	29 23	16 19	20 5	20 0	4 25		n.a.
W 8	14 41	26 34	3 37	22 4	1 52	2 13	1 44	25 8	1 24	10 4	1 18	5 24	2 47	22 36	0 8	16 54	1 31	29 22	16 18	20 7	20 0	4 22		n.a.
T 9	15 0	26 29	2 43	22 3	1 43	2 44	1 44	25 9	1 24	10 1	1 19	5 25	2 47	22 35	0 8	16 54	1 31	29 22	16 18	20 9	20 1	4 19		n.a.
F 10	15 20	24 57	1 42	21 59	1 32	3 14	1 43	25 10	1 24	9 58	1 19	5 26	2 47	22 35	0 8	16 55	1 31	29 22	16 18	20 9	20 2	4 15		n.a.
S 11	15 39	22 13	0 38	21 51	1 20	3 44	1 42	25 10	1 24	9 55	1 19	5 27	2 47	22 35	0 8	16 55	1 31	29 22	16 17	20 10	20 3	4 12		n.a.
S 12	15 58	18 33	0n26	21 40	1 7	4 14	1 41	25 10	1 24	9 52	1 19	5 27	2 46	22 34	0 8	16 56	1 31	29 21	16 17	20 10	20 3	4 9		n.a.
M13	16 16	14 12	1 29	21 25	0 52	4 44	1 41	25 10	1 23	9 48	1 19	5 28	2 46	22 34	0 8	16 57	1 31	29 21	16 17	20 10	20 4	4 6		n.a.
T 14	16 35	9 21	2 26	21 6	0 36	5 14	1 40	25 9	1 23	9 46	1 20	5 28	2 46	22 34	0 8	16 57	1 31	29 21	16 16	20 10	20 5	4 3		n.a.
W15	16 53	4 12	3 17	20 44	0 18	5 44	1 39	25 9	1 23	9 43	1 20	5 29	2 46	22 34	0 8	16 58	1 31	29 20	16 16	20 11	20 5	3 59		n.a.
T 16	17 11	1n 7	4 0	20 17	0n 0	6 14	1 37	25 7	1 23	9 40	1 20	5 29	2 45	22 33	0 8	16 59	1 31	29 20	16 16	20 12	20 6	3 56		n.a.
F 17	17 28	6 27	4 33	19 48	0 20	6 43	1 36	25 6	1 22	9 37	1 20	5 30	2 45	22 33	0 8	16 59	1 31	29 20	16 15	20 14	20 7	3 53		n.a.
S 18	17 45	11 36	4 54	19 15	0 40	7 13	1 35	25 4	1 22	9 34	1 21	5 30	2 45	22 33	0 8	17 0	1 31	29 19	16 15	20 16	20 8	3 50		n.a.
S 19	18 2	16 24	5 1	18 40	1 1	7 42	1 34	25 2	1 22	9 31	1 21	5 31	2 45	22 32	0 8	17 0	1 31	29 19	16 15	20 19	20 8	3 47		n.a.
M20	18 18	20 34	4 54	18 2	1 21	8 11	1 32	25 0	1 22	9 29	1 21	5 31	2 44	22 32	0 8	17 1	1 31	29 18	16 14	20 22	20 9	3 44		n.a.
T 21	18 35	23 51	4 32	17 24	1 40	8 40	1 31	24 58	1 21	9 26	1 21	5 31	2 44	22 32	0 8	17 2	1 31	29 18	16 14	20 24	20 10	3 40		n.a.
W22	18 50	25 57	3 56	16 46	1 58	9 9	1 29	24 55	1 21	9 23	1 22	5 31	2 44	22 31	0 8	17 2	1 31	29 18	16 13	20 27	20 10	3 37		n.a.
T 23	19 6	26 38	3 6	16 9	2 14	9 37	1 28	24 52	1 21	9 21	1 22	5 32	2 43	22 31	0 8	17 3	1 31	29 17	16 13	20 28	20 11	3 34		n.a.
F 24	19 21	25 45	2 5	15 34	2 28	10 6	1 26	24 48	1 20	9 18	1 22	5 32	2 43	22 31	0 8	17 3	1 31	29 17	16 13	20 30	20 12	3 31		n.a.
S 25	19 36	23 19	0 56	15 3	2 40	10 34	1 25	24 45	1 20	9 16	1 22	5 32	2 43	22 30	0 8	17 4	1 31	29 16	16 12	20 30	20 12	3 28		n.a.
S 26	19 50	19 32	0s17	14 35	2 50	11 2	1 23	24 41	1 20	9 13	1 23	5 32	2 43	22 30	0 8	17 4	1 31	29 16	16 12	20 30	20 13	3 24		n.a.
M27	20 4	14 38	1 30	14 12	2 58	11 29	1 21	24 36	1 19	9 11	1 23	5 32	2 42	22 30	0 8	17 5	1 31	29 16	16 12	20 30	20 14	3 21		n.a.
T 28	20 18	8 55	2 38	13 54	3 3	11 57	1 19	24 32	1 19	9 9	1 23	5 32	2 42	22 29	0 8	17 6	1 31	29 15	16 11	20 30	20 15	3 18		n.a.
W29	20 31	2 43	3 37	13 40	3 6	12 24	1 17	24 27	1 19	9 7	1 23	5 32	2 42	22 29	0 8	17 6	1 31	29 15	16 11	20 30	20 15	3 15		n.a.
T 30	20s44	3s39	4s23	13s31	3n 7	12s51	1n15	24s22	1s18	9n 4	1n24	5s31	2s41	22n29	0n 8	17s 7	1n31	29s14	16s11	20s31	20s16	3s12		n.a.

Julian Day Number = 1482853.5, Delta T = 05h21m14s
Ecliptic obliquity = 23°46'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'40, Lahiri = -12°58'39 Julian Calendar 1 Nov. 654 BCE == Greg. Calendar 25 Oct. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 654 BCE
geocentric

DECEMBER 654 BCE (-653) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 8 59	2♐24'52	13♎25	14°R31	8♏13	14♑21	10♍28	22°R23	10°R31	22♏14	22♒55	29°R32	0♒43	13♓58	n.a.	F 1
S 2	4 12 55	3°26'10	27°44	14°D24	9°28	15° 8	10°34	22°D23	10♊29	22°16	22°56	29♑24	0°40	14° 5	n.a.	S 2
S 3	4 16 52	4°27'27	11♏59	14♏27	10°43	15°54	10°40	22♓24	10°26	22°18	22°56	29°15	0°37	14°11	n.a.	S 3
M 4	4 20 48	5°28'45	26° 3	14°38	11°58	16°41	10°45	22°24	10°23	22°20	22°57	29° 5	0°34	14°18	n.a.	M 4
T 5	4 24 45	6°30'02	9♐52	14°57	13°13	17°28	10°51	22°24	10°21	22°23	22°57	28°56	0°31	14°25	n.a.	T 5
W 6	4 28 41	7°31'19	23°22	15°23	14°28	18°14	10°56	22°24	10°18	22°25	22°58	28°49	0°27	14°31	n.a.	W 6
T 7	4 32 38	8°32'35	6♑31	15°56	15°43	19° 1	11° 1	22°25	10°16	22°27	22°58	28°44	0°24	14°38	n.a.	T 7
F 8	4 36 34	9°33'51	19°18	16°34	16°58	19°48	11° 6	22°26	10°13	22°29	22°59	28°42	0°21	14°45	n.a.	F 8
S 9	4 40 31	10°35'06	1♒46	17°17	18°13	20°34	11°11	22°26	10°10	22°31	22°59	28°D41	0°18	14°51	n.a.	S 9
S 10	4 44 28	11°36'20	13°58	18° 5	19°28	21°21	11°16	22°27	10° 8	22°34	23° 0	28°42	0°15	14°58	n.a.	S 10
M11	4 48 24	12°37'33	25°57	18°57	20°43	22° 7	11°20	22°28	10° 5	22°36	23° 1	28°44	0°11	15° 5	n.a.	M11
T 12	4 52 21	13°38'46	7♓49	19°53	21°59	22°54	11°25	22°29	10° 3	22°38	23° 1	28°45	0° 8	15°11	n.a.	T 12
W13	4 56 17	14°39'57	19°38	20°52	23°14	23°40	11°29	22°31	10° 0	22°40	23° 2	28°R45	0° 5	15°18	n.a.	W13
T 14	5 0 14	15°41'08	1♈31	21°55	24°29	24°27	11°33	22°32	9°57	22°42	23° 3	28°43	0° 2	15°25	n.a.	T 14
F 15	5 4 10	16°42'18	13°32	22°59	25°44	25°13	11°37	22°33	9°55	22°44	23° 3	28°40	29♑59	15°31	n.a.	F 15
S 16	5 8 7	17°43'26	25°45	24° 7	26°59	26° 0	11°40	22°35	9°52	22°46	23° 4	28°35	29°56	15°38	n.a.	S 16
S 17	5 12 3	18°44'34	8♉14	25°16	28°14	26°46	11°44	22°37	9°50	22°49	23° 5	28°28	29°52	15°45	n.a.	S 17
M18	5 16 0	19°45'41	21° 1	26°28	29°29	27°33	11°47	22°38	9°47	22°51	23° 6	28°21	29°49	15°52	n.a.	M18
T 19	5 19 57	20°46'47	4♊ 7	27°41	0♐44	28°19	11°50	22°40	9°45	22°53	23° 6	28°14	29°46	15°58	n.a.	T 19
W20	5 23 53	21°47'52	17°31	28°56	1°59	29° 5	11°53	22°42	9°42	22°55	23° 7	28° 8	29°43	16° 5	n.a.	W20
T 21	5 27 50	22°48'56	1♋11	0♐12	3°14	29°52	11°56	22°44	9°40	22°57	23° 8	28° 4	29°40	16°12	n.a.	T 21
F 22	5 31 46	23°49'59	15° 5	1°30	4°29	0♒38	11°58	22°47	9°37	22°59	23° 9	28° 1	29°37	16°18	n.a.	F 22
S 23	5 35 43	24°51'01	29° 8	2°50	5°44	1°24	12° 0	22°49	9°35	23° 1	23°10	28°D 1	29°33	16°25	n.a.	S 23
S 24	5 39 39	25°52'02	13♌17	4°10	6°59	2°11	12° 3	22°51	9°32	23° 3	23°11	28° 1	29°30	16°32	n.a.	S 24
M25	5 43 36	26°53'02	27°29	5°32	8°14	2°57	12° 5	22°54	9°30	23° 5	23°12	28° 3	29°27	16°38	n.a.	M25
T 26	5 47 33	27°54'02	11♍42	6°54	9°29	3°43	12° 6	22°57	9°27	23° 7	23°12	28° 4	29°24	16°45	n.a.	T 26
W27	5 51 29	28°55'00	25°53	8°18	10°44	4°29	12° 8	22°59	9°25	23° 9	23°13	28°R 5	29°21	16°52	n.a.	W27
T 28	5 55 26	29°55'58	10♎ 0	9°43	11°59	5°16	12° 9	23° 2	9°22	23°11	23°14	28° 5	29°17	16°58	n.a.	T 28
F 29	5 59 22	0♑56'55	24° 2	11° 8	13°14	6° 2	12°11	23° 5	9°20	23°13	23°15	28° 3	29°14	17° 5	n.a.	F 29
S 30	6 3 19	1°57'51	7♏57	12°35	14°29	6°48	12°12	23° 8	9°18	23°14	23°16	28° 0	29°11	17°12	n.a.	S 30
S 31	6 7 15	2♑58'45	21♏43	14♐ 2	15♐44	7♒34	12♍13	23♓11	9♊15	23♏16	23♒17	27♑57	29♑ 8	17♓18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20s56	9s51	4s53	13s27	3n 6	13s17	1n13	24s17	1s18	9n 2	1n24	5s31	2s41	22n28	0n 8	17s 7	1n31	29s14	16s10	20s32	20s17	3s 8		n.a.
S 2	21 8	15 33	5 5	13 27	3 4	13 43	1 11	24 11	1 17	9 0	1 24	5 31	2 41	22 28	0 8	17 8	1 31	29 13	16 10	20 34	20 17	3 5		n.a.
S 3	21 20	20 21	4 58	13 31	3 1	14 9	1 9	24 5	1 17	8 58	1 25	5 31	2 41	22 27	0 8	17 9	1 31	29 13	16 10	20 36	20 18	3 2		n.a.
M 4	21 31	23 56	4 32	13 39	2 57	14 34	1 7	23 59	1 17	8 56	1 25	5 30	2 40	22 27	0 8	17 9	1 31	29 12	16 9	20 38	20 19	2 59		n.a.
T 5	21 42	26 3	3 51	13 49	2 51	15 0	1 5	23 53	1 16	8 55	1 25	5 30	2 40	22 27	0 8	17 10	1 31	29 12	16 9	20 40	20 19	2 56		n.a.
W 6	21 52	26 34	2 58	14 3	2 45	15 24	1 3	23 46	1 16	8 53	1 25	5 30	2 40	22 26	0 8	17 10	1 31	29 11	16 9	20 41	20 20	2 53		n.a.
T 7	22 2	25 33	1 57	14 18	2 39	15 48	1 1	23 39	1 15	8 51	1 26	5 29	2 39	22 26	0 8	17 11	1 31	29 11	16 8	20 42	20 21	2 49		n.a.
F 8	22 12	23 12	0 50	14 36	2 31	16 12	0 58	23 32	1 15	8 49	1 26	5 29	2 39	22 26	0 8	17 11	1 31	29 10	16 8	20 43	20 22	2 46		n.a.
S 9	22 21	19 46	0n17	14 56	2 24	16 36	0 56	23 24	1 15	8 48	1 26	5 28	2 39	22 25	0 8	17 12	1 31	29 10	16 8	20 43	20 22	2 43		n.a.
S 10	22 29	15 34	1 22	15 17	2 16	16 59	0 54	23 17	1 14	8 46	1 27	5 27	2 39	22 25	0 8	17 12	1 31	29 9	16 7	20 42	20 23	2 40		n.a.
M11	22 38	10 49	2 22	15 39	2 8	17 21	0 52	23 9	1 14	8 45	1 27	5 27	2 38	22 24	0 8	17 13	1 31	29 9	16 7	20 42	20 24	2 37		n.a.
T 12	22 45	5 44	3 16	16 3	1 59	17 43	0 49	23 0	1 13	8 43	1 27	5 26	2 38	22 24	0 8	17 14	1 31	29 8	16 7	20 42	20 24	2 34		n.a.
W13	22 53	0 29	4 1	16 27	1 51	18 5	0 47	22 52	1 13	8 42	1 27	5 25	2 38	22 24	0 8	17 14	1 31	29 8	16 6	20 42	20 25	2 30		n.a.
T 14	23 0	4n49	4 36	16 51	1 42	18 26	0 44	22 43	1 12	8 41	1 28	5 24	2 37	22 23	0 8	17 15	1 31	29 7	16 6	20 42	20 26	2 27		n.a.
F 15	23 6	9 59	4 59	17 16	1 33	18 47	0 42	22 34	1 12	8 40	1 28	5 24	2 37	22 23	0 8	17 15	1 31	29 7	16 6	20 43	20 26	2 24		n.a.
S 16	23 12	14 52	5 9	17 42	1 25	19 7	0 40	22 25	1 12	8 38	1 28	5 23	2 37	22 23	0 8	17 16	1 31	29 6	16 5	20 44	20 27	2 21		n.a.
S 17	23 17	19 15	5 5	18 7	1 16	19 27	0 37	22 16	1 11	8 37	1 29	5 22	2 37	22 22	0 8	17 16	1 31	29 6	16 5	20 45	20 28	2 18		n.a.
M18	23 22	22 51	4 46	18 33	1 7	19 46	0 35	22 6	1 11	8 36	1 29	5 21	2 36	22 22	0 8	17 17	1 31	29 5	16 5	20 47	20 28	2 14		n.a.
T 19	23 27	25 23	4 12	18 58	0 59	20 4	0 32	21 56	1 10	8 36	1 29	5 20	2 36	22 21	0 8	17 17	1 31	29 4	16 4	20 48	20 29	2 11		n.a.
W20	23 31	26 32	3 23	19 23	0 50	20 22	0 30	21 46	1 10	8 35	1 29	5 19	2 36	22 21	0 8	17 18	1 31	29 4	16 4	20 49	20 30	2 8		n.a.
T 21	23 35	26 7	2 21	19 48	0 41	20 39	0 27	21 35	1 9	8 34	1 30	5 17	2 35	22 21	0 8	17 18	1 31	29 3	16 4	20 50	20 30	2 5		n.a.
F 22	23 38	24 4	1 10	20 13	0 33	20 56	0 25	21 25	1 9	8 33	1 30	5 16	2 35	22 20	0 8	17 19	1 31	29 3	16 3	20 51	20 31	2 2		n.a.
S 23	23 40	20 31	0s 6	20 37	0 25	21 12	0 22	21 14	1 8	8 33	1 30	5 15	2 35	22 20	0 8	17 19	1 31	29 2	16 3	20 51	20 32	1 59		n.a.
S 24	23 43	15 45	1 23	21 0	0 17	21 28	0 19	21 3	1 8	8 32	1 31	5 14	2 34	22 20	0 8	17 20	1 31	29 2	16 3	20 51	20 32	1 55		n.a.
M25	23 44	10 6	2 34	21 23	0 9	21 43	0 17	20 52	1 7	8 32	1 31	5 13	2 34	22 19	0 8	17 20	1 31	29 1	16 3	20 51	20 33	1 52		n.a.
T 26	23 45	3 56	3 37	21 45	0 1	21 57	0 14	20 40	1 7	8 31	1 31	5 11	2 34	22 19	0 8	17 21	1 31	29 0	16 2	20 50	20 34	1 49		n.a.
W27	23 46	2s23	4 25	22 7	0s 7	22 10	0 12	20 29	1 6	8 31	1 32	5 10	2 34	22 19	0 8	17 21	1 31	29 0	16 2	20 50	20 34	1 46		n.a.
T 28	23 47	8 34	4 58	22 28	0 15	22 23	0 9	20 17	1 6	8 30	1 32	5 9	2 33	22 18	0 8	17 22	1 31	28 59	16 2	20 50	20 35	1 43		n.a.
F 29	23 46	14 17	5 13	22 47	0 22	22 36	0 7	20 5	1 5	8 30	1 32	5 7	2 33	22 18	0 8	17 22	1 31	28 59	16 2	20 50	20 36	1 40		n.a.
S 30	23 46	19 13	5 9	23 6	0 29	22 47	0 4	19 53	1 5	8 30	1 33	5 6	2 33	22 17	0 8	17 23	1 31	28 58	16 1	20 51	20 36	1 36		n.a.
S 31	23s44	23s 4	4s47	23s24	0s36	22s58	0n 2	19s40	1s 4	8n30	1n33	5s 4	2s33	22n17	0n 8	17s23	1n31	28s57	16s 1	20s52	20s37	1s33		n.a.

Julian Day Number = 1482883.5, Delta T = 05h21m12s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'35, Lahiri = -12°58'35 Julian Calendar 1 Dec. 654 BCE == Greg. Calendar 24 Nov. 654 BCE

The year -653 astronomical counting style corresponds to year 654 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

JANUARY 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 11 12	3♑59'39	5♐18	15♐30	16♐59	8♒20	12♍13	23♓15	9°R13	23♏18	23♒18	27°R53	29♑ 5	17♓25	n.a.	M 1
T 2	6 15 8	5° 0'32	18°40	16°59	18°14	9° 6	12°14	23°18	9♊11	23°20	23°20	27♑49	29° 2	17°32	n.a.	T 2
W 3	6 19 5	6° 1'23	1♑47	18°29	19°29	9°52	12°14	23°22	9° 8	23°22	23°21	27°46	28°58	17°39	n.a.	W 3
T 4	6 23 2	7° 2'13	14°39	20° 0	20°44	10°38	12°R14	23°25	9° 6	23°24	23°22	27°45	28°55	17°45	n.a.	T 4
F 5	6 26 58	8° 3'02	27°15	21°32	21°59	11°24	12°14	23°29	9° 4	23°25	23°23	27°D44	28°52	17°52	n.a.	F 5
S 6	6 30 55	9° 3'49	9♒37	23° 4	23°14	12°10	12°14	23°33	9° 2	23°27	23°24	27°44	28°49	17°59	n.a.	S 6
S 7	6 34 51	10° 4'34	21°46	24°37	24°29	12°56	12°13	23°36	9° 0	23°29	23°25	27°46	28°46	18° 5	n.a.	S 7
M 8	6 38 48	11° 5'18	3♓44	26°11	25°44	13°42	12°13	23°40	8°58	23°30	23°26	27°47	28°43	18°12	n.a.	M 8
T 9	6 42 44	12° 5'59	15°37	27°46	26°58	14°27	12°12	23°44	8°56	23°32	23°27	27°49	28°39	18°19	n.a.	T 9
W10	6 46 41	13° 6'39	27°27	29°21	28°13	15°13	12°11	23°49	8°54	23°34	23°29	27°50	28°36	18°25	n.a.	W10
T 11	6 50 38	14° 7'17	9♈20	0♑58	29°28	15°59	12° 9	23°53	8°52	23°35	23°30	27°R50	28°33	18°32	n.a.	T 11
F 12	6 54 34	15° 7'53	21°20	2°35	0♑43	16°45	12° 8	23°57	8°50	23°37	23°31	27°50	28°30	18°39	n.a.	F 12
S 13	6 58 31	16° 8'28	3♉32	4°13	1°58	17°30	12° 6	24° 1	8°48	23°39	23°32	27°50	28°27	18°45	n.a.	S 13
S 14	7 2 27	17° 9'00	16° 0	5°52	3°13	18°16	12° 5	24° 6	8°46	23°40	23°34	27°49	28°23	18°52	n.a.	S 14
M15	7 6 24	18° 9'30	28°48	7°32	4°28	19° 1	12° 3	24°11	8°44	23°42	23°35	27°47	28°20	18°59	n.a.	M15
T 16	7 10 20	19° 9'59	11♊59	9°13	5°42	19°47	12° 0	24°15	8°42	23°43	23°36	27°46	28°17	19° 6	n.a.	T 16
W17	7 14 17	20°10'25	25°33	10°55	6°57	20°32	11°58	24°20	8°40	23°45	23°37	27°45	28°14	19°12	n.a.	W17
T 18	7 18 13	21°10'50	9♋29	12°38	8°12	21°18	11°55	24°25	8°39	23°46	23°39	27°45	28°11	19°19	n.a.	T 18
F 19	7 22 10	22°11'13	23°45	14°21	9°27	22° 3	11°53	24°30	8°37	23°47	23°40	27°D44	28° 8	19°26	n.a.	F 19
S 20	7 26 7	23°11'34	8♌15	16° 6	10°42	22°49	11°50	24°35	8°35	23°49	23°41	27°44	28° 4	19°32	n.a.	S 20
S 21	7 30 3	24°11'53	22°54	17°51	11°56	23°34	11°47	24°40	8°34	23°50	23°43	27°45	28° 1	19°39	n.a.	S 21
M22	7 34 0	25°12'11	7♍34	19°38	13°11	24°19	11°43	24°45	8°32	23°51	23°44	27°45	27°58	19°46	n.a.	M22
T 23	7 37 56	26°12'26	22°11	21°25	14°26	25° 5	11°40	24°50	8°31	23°53	23°45	27°45	27°55	19°52	n.a.	T 23
W24	7 41 53	27°12'40	6♎38	23°14	15°41	25°50	11°36	24°56	8°29	23°54	23°47	27°45	27°52	19°59	n.a.	W24
T 25	7 45 49	28°12'53	20°52	25° 3	16°55	26°35	11°33	25° 1	8°28	23°55	23°48	27°45	27°49	20° 6	n.a.	T 25
F 26	7 49 46	29°13'04	4♏51	26°54	18°10	27°20	11°29	25° 6	8°26	23°56	23°49	27°45	27°45	20°12	n.a.	F 26
S 27	7 53 42	0♒13'13	18°34	28°45	19°25	28° 5	11°25	25°12	8°25	23°58	23°51	27°45	27°42	20°19	n.a.	S 27
S 28	7 57 39	1°13'21	2♐ 1	0♒38	20°39	28°50	11°20	25°18	8°24	23°59	23°52	27°45	27°39	20°26	n.a.	S 28
M29	8 1 36	2°13'27	15°12	2°31	21°54	29°35	11°16	25°23	8°22	24° 0	23°54	27°46	27°36	20°33	n.a.	M29
T 30	8 5 32	3°13'31	28°10	4°25	23° 9	0♓20	11°11	25°29	8°21	24° 1	23°55	27°46	27°33	20°39	n.a.	T 30
W31	8 9 29	4♒13'33	10♑53	6♒20	24♑24	1♓ 5	11♍ 6	25♓35	8♊20	24♏ 2	23♒57	27♑47	27♑29	20♓46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s43	25s34	4s10	23s41	0s43	23s 9	0s 1	19s27	1s 4	8n30	1n33	5s 3	2s32	22n17	0n 8	17s23	1n31	28s57	16s 1	20s53	20s38	1s30		n.a.
T 2	23 41	26 35	3 19	23 57	0 50	23 18	0 3	19 15	1 3	8 30	1 33	5 1	2 32	22 16	0 8	17 24	1 31	28 56	16 0	20 53	20 38	1 27		n.a.
W 3	23 38	26 4	2 18	24 12	0 56	23 27	0 6	19 2	1 3	8 30	1 34	4 59	2 32	22 16	0 8	17 24	1 31	28 55	16 0	20 54	20 39	1 24		n.a.
T 4	23 35	24 9	1 12	24 25	1 2	23 35	0 8	18 48	1 2	8 31	1 34	4 58	2 31	22 16	0 8	17 25	1 31	28 55	16 0	20 54	20 40	1 21		n.a.
F 5	23 32	21 3	0 3	24 38	1 8	23 43	0 11	18 35	1 1	8 31	1 34	4 56	2 31	22 15	0 8	17 25	1 31	28 54	16 0	20 54	20 40	1 17		n.a.
S 6	23 28	17 3	1n 5	24 49	1 14	23 49	0 13	18 22	1 1	8 31	1 35	4 54	2 31	22 15	0 8	17 26	1 31	28 54	15 59	20 54	20 41	1 14		n.a.
S 7	23 23	12 25	2 9	24 59	1 19	23 55	0 16	18 8	1 0	8 32	1 35	4 52	2 31	22 15	0 8	17 26	1 31	28 53	15 59	20 54	20 42	1 11		n.a.
M 8	23 18	7 23	3 6	25 7	1 24	24 0	0 18	17 54	1 0	8 32	1 35	4 51	2 30	22 14	0 8	17 26	1 31	28 52	15 59	20 54	20 42	1 8		n.a.
T 9	23 13	2 9	3 55	25 14	1 29	24 5	0 21	17 40	0 59	8 33	1 36	4 49	2 30	22 14	0 8	17 27	1 31	28 52	15 59	20 53	20 43	1 5		n.a.
W10	23 7	3n 9	4 33	25 20	1 34	24 9	0 23	17 26	0 59	8 34	1 36	4 47	2 30	22 14	0 8	17 27	1 31	28 51	15 59	20 53	20 44	1 2		n.a.
T 11	23 1	8 20	5 0	25 24	1 38	24 12	0 25	17 11	0 58	8 34	1 36	4 45	2 30	22 13	0 8	17 27	1 31	28 50	15 58	20 53	20 44	0 58		n.a.
F 12	22 54	13 17	5 15	25 27	1 42	24 14	0 28	16 57	0 58	8 35	1 36	4 43	2 29	22 13	0 8	17 28	1 31	28 50	15 58	20 53	20 45	0 55		n.a.
S 13	22 47	17 47	5 15	25 28	1 45	24 15	0 30	16 42	0 57	8 36	1 37	4 41	2 29	22 13	0 8	17 28	1 31	28 49	15 58	20 53	20 46	0 52		n.a.
S 14	22 39	21 39	5 1	25 27	1 49	24 16	0 32	16 28	0 56	8 37	1 37	4 39	2 29	22 13	0 8	17 29	1 31	28 49	15 58	20 53	20 46	0 49		n.a.
M15	22 31	24 35	4 32	25 25	1 52	24 16	0 34	16 13	0 56	8 38	1 37	4 37	2 29	22 12	0 8	17 29	1 31	28 48	15 58	20 54	20 47	0 46		n.a.
T 16	22 23	26 18	3 47	25 21	1 54	24 16	0 37	15 58	0 55	8 39	1 38	4 35	2 28	22 12	0 8	17 29	1 32	28 47	15 57	20 54	20 48	0 43		n.a.
W17	22 14	26 31	2 49	25 15	1 57	24 14	0 39	15 42	0 55	8 40	1 38	4 33	2 28	22 12	0 8	17 30	1 32	28 47	15 57	20 54	20 48	0 39		n.a.
T 18	22 5	25 5	1 40	25 8	1 58	24 12	0 41	15 27	0 54	8 42	1 38	4 30	2 28	22 11	0 8	17 30	1 32	28 46	15 57	20 54	20 49	0 36		n.a.
F 19	21 55	22 1	0 22	24 59	2 0	24 9	0 43	15 12	0 53	8 43	1 38	4 28	2 28	22 11	0 8	17 30	1 32	28 45	15 57	20 54	20 50	0 33		n.a.
S 20	21 45	17 31	0s58	24 47	2 1	24 5	0 45	14 56	0 53	8 44	1 39	4 26	2 27	22 11	0 8	17 31	1 32	28 45	15 57	20 54	20 50	0 30		n.a.
S 21	21 35	11 57	2 15	24 34	2 2	24 1	0 47	14 40	0 52	8 46	1 39	4 24	2 27	22 11	0 8	17 31	1 32	28 44	15 56	20 54	20 51	0 27		n.a.
M22	21 24	5 42	3 24	24 19	2 2	23 55	0 49	14 25	0 52	8 47	1 39	4 21	2 27	22 10	0 8	17 31	1 32	28 44	15 56	20 54	20 52	0 24		n.a.
T 23	21 12	0s48	4 18	24 3	2 2	23 50	0 51	14 9	0 51	8 49	1 40	4 19	2 27	22 10	0 8	17 31	1 32	28 43	15 56	20 54	20 52	0 21		n.a.
W24	21 1	7 11	4 56	23 44	2 1	23 43	0 53	13 53	0 50	8 51	1 40	4 17	2 27	22 10	0 8	17 32	1 32	28 42	15 56	20 54	20 53	0 17		n.a.
T 25	20 49	13 6	5 15	23 23	2 0	23 35	0 55	13 36	0 50	8 52	1 40	4 14	2 26	22 10	0 8	17 32	1 32	28 42	15 56	20 54	20 53	0 14		n.a.
F 26	20 36	18 15	5 15	23 0	1 58	23 27	0 56	13 20	0 49	8 54	1 40	4 12	2 26	22 10	0 8	17 32	1 32	28 41	15 56	20 54	20 54	0 11		n.a.
S 27	20 23	22 20	4 57	22 35	1 56	23 18	0 58	13 4	0 49	8 56	1 41	4 10	2 26	22 9	0 8	17 33	1 32	28 40	15 56	20 54	20 55	0 8		n.a.
S 28	20 10	25 8	4 23	22 8	1 53	23 9	1 0	12 47	0 48	8 58	1 41	4 7	2 26	22 9	0 8	17 33	1 32	28 40	15 55	20 54	20 55	0 5		n.a.
M29	19 56	26 30	3 35	21 39	1 50	22 59	1 2	12 31	0 47	9 0	1 41	4 5	2 25	22 9	0 8	17 33	1 32	28 39	15 55	20 54	20 56	0 2		n.a.
T 30	19 43	26 23	2 37	21 8	1 46	22 48	1 3	12 14	0 47	9 2	1 41	4 2	2 25	22 9	0 8	17 33	1 32	28 39	15 55	20 54	20 57	0n 2		n.a.
W31	19s28	24s51	1s32	20s35	1s41	22s36	1s 5	11s57	0s46	9n 4	1n42	4s 0	2s25	22n 9	0n 8	17s33	1n32	28s38	15s55	20s54	20s57	0n 5		n.a.

Julian Day Number = 1482914.5, Delta T = 05h21m11s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'31, Lahiri = -12°58'31 Julian Calendar 1 Jan. 653 BCE == Greg. Calendar 25 Dec. 654 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

FEBRUARY 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 13 25	5♒13'33	23♉25	8♒16	25♉38	1♓50	11°R 1	25♓41	8°R19	24♏ 3	23♒58	27°R47	27♉26	20♓53	n.a.	T 1
F 2	8 17 22	6°13'32	5♒45	10°13	26°53	2°35	10♍56	25°47	8♊18	24° 4	23°59	27♉47	27°23	20°59	n.a.	F 2
S 3	8 21 18	7°13'28	17°56	12°10	28° 8	3°20	10°51	25°53	8°17	24° 5	24° 1	27°47	27°20	21° 6	n.a.	S 3
S 4	8 25 15	8°13'22	29°58	14° 7	29°22	4° 5	10°46	25°59	8°16	24° 6	24° 2	27°46	27°17	21°13	n.a.	S 4
M 5	8 29 11	9°13'14	11♓54	16° 4	0♒37	4°49	10°40	26° 5	8°15	24° 7	24° 4	27°44	27°14	21°19	n.a.	M 5
T 6	8 33 8	10°13'04	23°45	18° 2	1°51	5°34	10°35	26°11	8°14	24° 8	24° 5	27°42	27°10	21°26	n.a.	T 6
W 7	8 37 4	11°12'51	5♈36	19°59	3° 6	6°19	10°29	26°17	8°13	24° 9	24° 7	27°40	27° 7	21°33	n.a.	W 7
T 8	8 41 1	12°12'36	17°28	21°56	4°21	7° 3	10°23	26°24	8°13	24° 9	24° 8	27°38	27° 4	21°40	n.a.	T 8
F 9	8 44 58	13°12'19	29°27	23°52	5°35	7°48	10°17	26°30	8°12	24°10	24°10	27°37	27° 1	21°46	n.a.	F 9
S 10	8 48 54	14°11'59	11♉36	25°47	6°50	8°32	10°11	26°37	8°11	24°11	24°11	27°D37	26°58	21°53	n.a.	S 10
S 11	8 52 51	15°11'37	24° 0	27°41	8° 4	9°17	10° 4	26°43	8°11	24°12	24°13	27°37	26°55	22° 0	n.a.	S 11
M12	8 56 47	16°11'12	6♊44	29°32	9°19	10° 1	9°58	26°50	8°10	24°12	24°14	27°38	26°51	22° 6	n.a.	M12
T 13	9 0 44	17°10'46	19°51	1♓21	10°33	10°45	9°51	26°56	8°10	24°13	24°16	27°39	26°48	22°13	n.a.	T 13
W14	9 4 40	18°10'16	3♋23	3° 8	11°48	11°30	9°45	27° 3	8° 9	24°14	24°17	27°40	26°45	22°20	n.a.	W14
T 15	9 8 37	19° 9'45	17°23	4°51	13° 2	12°14	9°38	27°10	8° 9	24°14	24°19	27°42	26°42	22°26	n.a.	T 15
F 16	9 12 33	20° 9'11	1♌47	6°30	14°17	12°58	9°31	27°16	8° 9	24°15	24°20	27°R42	26°39	22°33	n.a.	F 16
S 17	9 16 30	21° 8'35	16°33	8° 5	15°31	13°42	9°24	27°23	8° 8	24°15	24°22	27°41	26°35	22°40	n.a.	S 17
S 18	9 20 27	22° 7'56	1♍33	9°36	16°46	14°26	9°17	27°30	8° 8	24°16	24°23	27°39	26°32	22°47	n.a.	S 18
M19	9 24 23	23° 7'16	16°39	11° 1	18° 0	15°10	9°10	27°37	8° 8	24°16	24°25	27°36	26°29	22°53	n.a.	M19
T 20	9 28 20	24° 6'33	1♎41	12°22	19°14	15°54	9° 3	27°44	8° 8	24°17	24°26	27°32	26°26	23° 0	n.a.	T 20
W21	9 32 16	25° 5'48	16°31	13°36	20°29	16°38	8°56	27°51	8° 8	24°17	24°28	27°28	26°23	23° 7	n.a.	W21
T 22	9 36 13	26° 5'02	1♏ 2	14°44	21°43	17°22	8°48	27°58	8°D 8	24°17	24°29	27°25	26°20	23°13	n.a.	T 22
F 23	9 40 9	27° 4'13	15°10	15°46	22°58	18° 6	8°41	28° 5	8° 8	24°18	24°31	27°24	26°16	23°20	n.a.	F 23
S 24	9 44 6	28° 3'23	28°53	16°41	24°12	18°50	8°34	28°12	8° 8	24°18	24°32	27°D23	26°13	23°27	n.a.	S 24
S 25	9 48 2	29° 2'31	12♐14	17°30	25°26	19°33	8°26	28°19	8° 8	24°18	24°34	27°24	26°10	23°33	n.a.	S 25
M26	9 51 59	0♓ 1'37	25°13	18°11	26°41	20°17	8°19	28°27	8° 8	24°18	24°35	27°25	26° 7	23°40	n.a.	M26
T 27	9 55 56	1° 0'42	7♉55	18°46	27°55	21° 1	8°11	28°34	8° 8	24°19	24°37	27°27	26° 4	23°47	n.a.	T 27
W28	9 59 52	1°59'44	20°22	19°13	29° 9	21°44	8° 3	28°41	8° 9	24°19	24°38	27°28	26° 1	23°54	n.a.	W28
T 29	10 3 49	2♓58'44	2♒37	19♓33	0♓24	22♓28	7♍56	28♓48	8♊ 9	24♏19	24♒40	27°R28	25♉57	24♓ 0	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19s14	22s 7	0s24	20s 0	1s36	22s24	1s 6	11s41	0s46	9n 6	1n42	3s57	2s25	22n 8	0n 8	17s34	1n32	28s37	15s55	20s54	20s58	0n 8		n.a.
F 2	18 59	18 23	0n44	19 23	1 30	22 11	1 8	11 24	0 45	9 8	1 42	3 55	2 25	22 8	0 8	17 34	1 32	28 37	15 55	20 54	20 59	0 11		n.a.
S 3	18 43	13 56	1 49	18 44	1 24	21 57	1 9	11 7	0 44	9 10	1 42	3 52	2 25	22 8	0 8	17 34	1 32	28 36	15 55	20 54	20 59	0 14		n.a.
S 4	18 28	9 0	2 49	18 3	1 17	21 43	1 10	10 50	0 44	9 13	1 43	3 49	2 24	22 8	0 8	17 34	1 32	28 35	15 55	20 54	21 0	0 17		n.a.
M 5	18 12	3 48	3 41	17 21	1 10	21 28	1 12	10 33	0 43	9 15	1 43	3 47	2 24	22 8	0 8	17 34	1 32	28 35	15 55	20 54	21 0	0 20		n.a.
T 6	17 56	1n30	4 22	16 37	1 1	21 13	1 13	10 15	0 42	9 17	1 43	3 44	2 24	22 8	0 8	17 35	1 32	28 34	15 55	20 55	21 1	0 24		n.a.
W 7	17 39	6 43	4 53	15 51	0 52	20 56	1 14	9 58	0 42	9 20	1 43	3 41	2 24	22 7	0 8	17 35	1 32	28 34	15 54	20 55	21 2	0 27		n.a.
T 8	17 22	11 43	5 11	15 4	0 43	20 40	1 15	9 41	0 41	9 22	1 43	3 39	2 24	22 7	0 8	17 35	1 32	28 33	15 54	20 55	21 2	0 30		n.a.
F 9	17 5	16 20	5 16	14 16	0 33	20 22	1 16	9 23	0 41	9 25	1 44	3 36	2 23	22 7	0 8	17 35	1 32	28 33	15 54	20 56	21 3	0 33		n.a.
S 10	16 48	20 22	5 7	13 27	0 22	20 4	1 17	9 6	0 40	9 27	1 44	3 33	2 23	22 7	0 8	17 35	1 33	28 32	15 54	20 56	21 4	0 36		n.a.
S 11	16 30	23 36	4 43	12 37	0 11	19 46	1 18	8 49	0 39	9 30	1 44	3 30	2 23	22 7	0 8	17 35	1 33	28 31	15 54	20 56	21 4	0 39		n.a.
M12	16 12	25 46	4 5	11 47	0n 1	19 27	1 19	8 31	0 39	9 33	1 44	3 27	2 23	22 7	0 8	17 36	1 33	28 31	15 54	20 56	21 5	0 42		n.a.
T 13	15 54	26 36	3 14	10 57	0 13	19 7	1 20	8 13	0 38	9 35	1 44	3 25	2 23	22 7	0 8	17 36	1 33	28 30	15 54	20 55	21 5	0 45		n.a.
W14	15 36	25 54	2 10	10 7	0 25	18 47	1 21	7 56	0 37	9 38	1 44	3 22	2 23	22 7	0 8	17 36	1 33	28 30	15 54	20 55	21 6	0 49		n.a.
T 15	15 17	23 34	0 57	9 17	0 38	18 26	1 22	7 38	0 37	9 41	1 45	3 19	2 22	22 7	0 8	17 36	1 33	28 29	15 54	20 55	21 7	0 52		n.a.
F 16	14 58	19 41	0s23	8 28	0 51	18 5	1 22	7 20	0 36	9 43	1 45	3 16	2 22	22 7	0 8	17 36	1 33	28 29	15 54	20 55	21 7	0 55		n.a.
S 17	14 39	14 29	1 42	7 40	1 4	17 43	1 23	7 3	0 36	9 46	1 45	3 13	2 22	22 7	0 8	17 36	1 33	28 28	15 54	20 55	21 8	0 58		n.a.
S 18	14 20	8 21	2 56	6 53	1 17	17 21	1 23	6 45	0 35	9 49	1 45	3 10	2 22	22 7	0 8	17 36	1 33	28 27	15 54	20 55	21 8	1 1		n.a.
M19	14 0	1 42	3 57	6 9	1 30	16 59	1 24	6 27	0 34	9 52	1 45	3 7	2 22	22 7	0 8	17 36	1 33	28 27	15 54	20 56	21 9	1 4		n.a.
T 20	13 40	4s59	4 42	5 26	1 43	16 35	1 24	6 9	0 34	9 55	1 45	3 5	2 22	22 7	0 8	17 36	1 33	28 26	15 54	20 57	21 10	1 7		n.a.
W21	13 20	11 18	5 8	4 45	1 56	16 12	1 25	5 51	0 33	9 58	1 45	3 2	2 22	22 7	0 8	17 36	1 33	28 26	15 54	20 57	21 10	1 10		n.a.
T 22	13 0	16 52	5 13	4 7	2 8	15 48	1 25	5 33	0 32	10 0	1 46	2 59	2 21	22 7	0 8	17 36	1 33	28 25	15 54	20 58	21 11	1 14		n.a.
F 23	12 40	21 21	4 59	3 32	2 20	15 23	1 25	5 15	0 32	10 3	1 46	2 56	2 21	22 7	0 8	17 36	1 33	28 25	15 54	20 58	21 12	1 17		n.a.
S 24	12 19	24 32	4 27	3 0	2 31	14 59	1 25	4 57	0 31	10 6	1 46	2 53	2 21	22 7	0 8	17 36	1 33	28 24	15 54	20 59	21 12	1 20		n.a.
S 25	11 58	26 15	3 43	2 31	2 42	14 33	1 25	4 39	0 30	10 9	1 46	2 50	2 21	22 7	0 9	17 36	1 33	28 24	15 54	20 58	21 13	1 23		n.a.
M26	11 37	26 28	2 47	2 6	2 52	14 8	1 25	4 21	0 30	10 12	1 46	2 47	2 21	22 7	0 9	17 36	1 33	28 23	15 54	20 58	21 13	1 26		n.a.
T 27	11 16	25 17	1 45	1 44	3 1	13 42	1 25	4 3	0 29	10 15	1 46	2 44	2 21	22 7	0 9	17 36	1 33	28 23	15 54	20 58	21 14	1 29		n.a.
W28	10 55	22 51	0 39	1 26	3 9	13 15	1 25	3 45	0 29	10 18	1 46	2 41	2 21	22 7	0 9	17 36	1 33	28 22	15 54	20 58	21 15	1 32		n.a.
T 29	10s33	19s24	0n28	1s12	3n16	12s49	1s25	3s27	0s28	10n21	1n46	2s38	2s21	22n 7	0n 9	17s36	1n33	28s22	15s54	20s58	21s15	1n35		n.a.

Julian Day Number = 1482945.5, Delta T = 05h21m09s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'27, Lahiri = -12°58'27 Julian Calendar 1 Feb. 653 BCE == Greg. Calendar 25 Jan. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

MARCH 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 7 45	3♓57'42	14♒43	19♓46	1♓38	23♓11	7°R48	28♓56	8♊10	24♏19	24♒41	27°R27	25♑54	24♓ 7	n.a.	F 1
S 2	10 11 42	4°56'38	26°43	19°R52	2°52	23°55	7♍40	29° 3	8°10	24°19	24°43	27♑23	25°51	24°14	n.a.	S 2
S 3	10 15 38	5°55'32	8♓38	19°51	4° 6	24°38	7°33	29°11	8°11	24°R19	24°44	27°18	25°48	24°20	n.a.	S 3
M 4	10 19 35	6°54'24	20°30	19°44	5°21	25°22	7°25	29°18	8°11	24°19	24°46	27°11	25°45	24°27	n.a.	M 4
T 5	10 23 31	7°53'14	2♈21	19°30	6°35	26° 5	7°17	29°26	8°12	24°19	24°47	27° 3	25°41	24°34	n.a.	T 5
W 6	10 27 28	8°52'01	14°12	19°10	7°49	26°48	7°10	29°33	8°12	24°19	24°49	26°56	25°38	24°40	n.a.	W 6
T 7	10 31 24	9°50'46	26° 7	18°45	9° 3	27°32	7° 2	29°41	8°13	24°19	24°50	26°48	25°35	24°47	n.a.	T 7
F 8	10 35 21	10°49'29	8♉ 7	18°14	10°18	28°15	6°54	29°48	8°14	24°19	24°52	26°42	25°32	24°54	n.a.	F 8
S 9	10 39 18	11°48'10	20°16	17°40	11°32	28°58	6°46	29°56	8°15	24°19	24°53	26°38	25°29	25° 1	n.a.	S 9
S 10	10 43 14	12°46'48	2♊37	17° 2	12°46	29°41	6°39	0♈ 3	8°16	24°18	24°55	26°35	25°26	25° 7	n.a.	S 10
M11	10 47 11	13°45'24	15°16	16°22	14° 0	0♈24	6°31	0°11	8°17	24°18	24°56	26°D35	25°22	25°14	n.a.	M11
T 12	10 51 7	14°43'58	28°16	15°39	15°14	1° 7	6°24	0°19	8°18	24°18	24°58	26°35	25°19	25°21	n.a.	T 12
W13	10 55 4	15°42'30	11♋41	14°55	16°28	1°50	6°16	0°26	8°19	24°17	24°59	26°37	25°16	25°27	n.a.	W13
T 14	10 59 0	16°40'59	25°33	14°11	17°42	2°33	6° 9	0°34	8°20	24°17	25° 0	26°R37	25°13	25°34	n.a.	T 14
F 15	11 2 57	17°39'25	9♌53	13°28	18°57	3°16	6° 1	0°42	8°21	24°17	25° 2	26°37	25°10	25°41	n.a.	F 15
S 16	11 6 53	18°37'50	24°39	12°46	20°11	3°58	5°54	0°49	8°22	24°16	25° 3	26°34	25° 6	25°48	n.a.	S 16
S 17	11 10 50	19°36'12	9♍45	12° 6	21°25	4°41	5°46	0°57	8°23	24°16	25° 5	26°29	25° 3	25°54	n.a.	S 17
M18	11 14 47	20°34'33	25° 2	11°28	22°39	5°24	5°39	1° 5	8°25	24°15	25° 6	26°22	25° 0	26° 1	n.a.	M18
T 19	11 18 43	21°32'51	10♎20	10°54	23°53	6° 6	5°32	1°13	8°26	24°15	25° 7	26°14	24°57	26° 8	n.a.	T 19
W20	11 22 40	22°31'08	25°27	10°23	25° 7	6°49	5°25	1°20	8°27	24°14	25° 9	26° 6	24°54	26°14	n.a.	W20
T 21	11 26 36	23°29'23	10♏14	9°57	26°21	7°32	5°18	1°28	8°29	24°14	25°10	25°58	24°51	26°21	n.a.	T 21
F 22	11 30 33	24°27'36	24°35	9°35	27°35	8°14	5°11	1°36	8°30	24°13	25°11	25°53	24°47	26°28	n.a.	F 22
S 23	11 34 29	25°25'48	8♐27	9°17	28°49	8°57	5° 4	1°44	8°32	24°13	25°13	25°49	24°44	26°34	n.a.	S 23
S 24	11 38 26	26°23'58	21°51	9° 5	0♈ 3	9°39	4°57	1°52	8°34	24°12	25°14	25°D48	24°41	26°41	n.a.	S 24
M25	11 42 22	27°22'06	4♑49	8°57	1°17	10°21	4°50	1°59	8°35	24°11	25°15	25°48	24°38	26°48	n.a.	M25
T 26	11 46 19	28°20'13	17°25	8°D54	2°31	11° 4	4°44	2° 7	8°37	24°11	25°17	25°49	24°35	26°55	n.a.	T 26
W27	11 50 15	29°18'19	29°44	8°56	3°44	11°46	4°37	2°15	8°39	24°10	25°18	25°R49	24°32	27° 1	n.a.	W27
T 28	11 54 12	0♈16'23	11♒51	9° 3	4°58	12°28	4°31	2°23	8°40	24° 9	25°19	25°47	24°28	27° 8	n.a.	T 28
F 29	11 58 9	1°14'25	23°49	9°15	6°12	13°10	4°25	2°31	8°42	24° 8	25°21	25°44	24°25	27°15	n.a.	F 29
S 30	12 2 5	2°12'26	5♓41	9°31	7°26	13°52	4°19	2°39	8°44	24° 8	25°22	25°38	24°22	27°21	n.a.	S 30
S 31	12 6 2	3♈10'24	17♓32	9♓52	8♈40	14♈34	4♍13	2♈46	8♊46	24♏ 7	25♒23	25♑29	24♑19	27♓28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s12	15s10	1n33	1s 2	3n21	12s22	1s25	3s 9	0s27	10n24	1n46	2s34	2s21	22n 7	0n 9	17s36	1n33	28s21	15s54	20s58	21s16	1n38		n.a.
S 2	9 50	10 24	2 32	0 55	3 26	11 54	1 24	2 51	0 27	10 27	1 46	2 31	2 20	22 7	0 9	17 36	1 33	28 21	15 55	20 59	21 16	1 42		n.a.
S 3	9 28	5 17	3 25	0 53	3 29	11 26	1 24	2 33	0 26	10 30	1 46	2 28	2 20	22 7	0 9	17 36	1 33	28 20	15 55	21 0	21 17	1 45		n.a.
M 4	9 6	0 1	4 8	0 54	3 30	10 58	1 24	2 15	0 25	10 33	1 46	2 25	2 20	22 7	0 9	17 36	1 34	28 20	15 55	21 1	21 18	1 48		n.a.
T 5	8 44	5n14	4 41	1 0	3 30	10 30	1 23	1 57	0 25	10 36	1 46	2 22	2 20	22 7	0 9	17 36	1 34	28 19	15 55	21 2	21 18	1 51		n.a.
W 6	8 21	10 17	5 1	1 9	3 29	10 2	1 23	1 39	0 24	10 39	1 46	2 19	2 20	22 7	0 9	17 36	1 34	28 19	15 55	21 4	21 19	1 54		n.a.
T 7	7 59	15 0	5 9	1 22	3 26	9 33	1 22	1 21	0 23	10 42	1 46	2 16	2 20	22 8	0 9	17 36	1 34	28 19	15 55	21 5	21 19	1 57		n.a.
F 8	7 37	19 10	5 3	1 38	3 21	9 4	1 21	1 3	0 23	10 45	1 46	2 13	2 20	22 8	0 9	17 36	1 34	28 18	15 55	21 7	21 20	2 0		n.a.
S 9	7 14	22 36	4 43	1 57	3 15	8 35	1 21	0 45	0 22	10 47	1 46	2 10	2 20	22 8	0 9	17 36	1 34	28 18	15 55	21 7	21 21	2 3		n.a.
S 10	6 51	25 4	4 10	2 19	3 7	8 5	1 20	0 27	0 22	10 50	1 46	2 7	2 20	22 8	0 9	17 36	1 34	28 17	15 55	21 8	21 21	2 6		n.a.
M11	6 28	26 20	3 24	2 44	2 58	7 35	1 19	0 9	0 21	10 53	1 46	2 3	2 20	22 8	0 9	17 36	1 34	28 17	15 55	21 8	21 22	2 9		n.a.
T 12	6 6	26 13	2 27	3 10	2 47	7 6	1 18	0n 8	0 20	10 56	1 46	2 0	2 20	22 8	0 9	17 36	1 34	28 16	15 56	21 8	21 22	2 13		n.a.
W13	5 43	24 35	1 20	3 38	2 35	6 36	1 17	0 26	0 20	10 59	1 46	1 57	2 19	22 8	0 9	17 36	1 34	28 16	15 56	21 8	21 23	2 16		n.a.
T 14	5 20	21 25	0 6	4 7	2 22	6 5	1 16	0 44	0 19	11 2	1 46	1 54	2 19	22 9	0 9	17 35	1 34	28 16	15 56	21 8	21 23	2 19		n.a.
F 15	4 57	16 53	1s11	4 37	2 8	5 35	1 15	1 2	0 18	11 4	1 46	1 51	2 19	22 9	0 9	17 35	1 34	28 15	15 56	21 8	21 24	2 22		n.a.
S 16	4 34	11 13	2 25	5 7	1 53	5 4	1 14	1 20	0 18	11 7	1 46	1 48	2 19	22 9	0 9	17 35	1 34	28 15	15 56	21 8	21 25	2 25		n.a.
S 17	4 10	4 47	3 30	5 37	1 38	4 34	1 13	1 38	0 17	11 10	1 46	1 44	2 19	22 9	0 9	17 35	1 34	28 15	15 56	21 9	21 25	2 28		n.a.
M18	3 47	1s59	4 21	6 6	1 22	4 3	1 11	1 55	0 16	11 12	1 46	1 41	2 19	22 9	0 9	17 35	1 34	28 14	15 56	21 10	21 26	2 31		n.a.
T 19	3 24	8 38	4 54	6 34	1 5	3 32	1 10	2 13	0 16	11 15	1 46	1 38	2 19	22 10	0 9	17 35	1 34	28 14	15 57	21 12	21 26	2 34		n.a.
W20	3 1	14 42	5 5	7 1	0 49	3 1	1 9	2 31	0 15	11 18	1 46	1 35	2 19	22 10	0 9	17 34	1 34	28 14	15 57	21 14	21 27	2 37		n.a.
T 21	2 37	19 46	4 56	7 26	0 33	2 30	1 7	2 48	0 15	11 20	1 46	1 32	2 19	22 10	0 9	17 34	1 34	28 13	15 57	21 15	21 28	2 40		n.a.
F 22	2 14	23 30	4 28	7 50	0 17	1 59	1 6	3 6	0 14	11 23	1 46	1 29	2 19	22 10	0 9	17 34	1 34	28 13	15 57	21 16	21 28	2 43		n.a.
S 23	1 50	25 44	3 45	8 11	0 1	1 28	1 4	3 23	0 13	11 25	1 45	1 25	2 19	22 11	0 9	17 34	1 34	28 13	15 57	21 17	21 29	2 46		n.a.
S 24	1 27	26 22	2 51	8 30	0s15	0 56	1 3	3 41	0 13	11 27	1 45	1 22	2 19	22 11	0 9	17 34	1 34	28 12	15 57	21 17	21 29	2 50		n.a.
M25	1 4	25 31	1 50	8 47	0 30	0 25	1 1	3 58	0 12	11 30	1 45	1 19	2 19	22 11	0 9	17 34	1 34	28 12	15 58	21 17	21 30	2 53		n.a.
T 26	0 40	23 22	0 45	9 2	0 44	0n 6	1 0	4 16	0 11	11 32	1 45	1 16	2 19	22 11	0 9	17 33	1 34	28 12	15 58	21 17	21 30	2 56		n.a.
W27	0 17	20 9	0n21	9 13	0 58	0 37	0 58	4 33	0 11	11 34	1 45	1 13	2 19	22 12	0 9	17 33	1 34	28 11	15 58	21 17	21 31	2 59		n.a.
T 28	0n 7	16 8	1 24	9 23	1 11	1 9	0 56	4 50	0 10	11 37	1 45	1 10	2 19	22 12	0 9	17 33	1 35	28 11	15 58	21 17	21 32	3 2		n.a.
F 29	0 30	11 31	2 23	9 30	1 23	1 40	0 54	5 7	0 10	11 39	1 45	1 6	2 19	22 12	0 9	17 33	1 35	28 11	15 59	21 18	21 32	3 5		n.a.
S 30	0 53	6 32	3 15	9 34	1 35	2 11	0 53	5 25	0 9	11 41	1 45	1 3	2 19	22 13	0 9	17 32	1 35	28 11	15 59	21 19	21 33	3 8		n.a.
S 31	1n17	1s20	3n59	9s37	1s46	2n43	0s51	5n42	0s 8	11n43	1n44	1s 0	2s19	22n13	0n 9	17s32	1n35	28s10	15s59	21s21	21s33	3n11		n.a.

Julian Day Number = 1482974.5, Delta T = 05h21m08s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'23, Lahiri = -12°58'23 Julian Calendar 1 March 653 BCE == Greg. Calendar 23 Feb. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

APRIL 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 9 58	4♈ 8'22	29♓22	10♓17	9♈54	15♈16	4°R 7	2♈54	8♊48	24°R 6	25♒24	25°R18	24♑16	27♓35	n.a.	M 1
T 2	12 13 55	5° 6'17	11♈14	10°46	11° 8	15°58	4♍ 1	3° 2	8°50	24♏ 5	25°26	25♑ 5	24°12	27°42	n.a.	T 2
W 3	12 17 51	6° 4'11	23°10	11°20	12°22	16°40	3°55	3°10	8°52	24° 4	25°27	24°52	24° 9	27°48	n.a.	W 3
T 4	12 21 48	7° 2'04	5♉ 9	11°57	13°35	17°22	3°50	3°18	8°54	24° 3	25°28	24°40	24° 6	27°55	n.a.	T 4
F 5	12 25 44	7°59'54	17°15	12°39	14°49	18° 4	3°44	3°26	8°56	24° 2	25°29	24°29	24° 3	28° 2	n.a.	F 5
S 6	12 29 41	8°57'43	29°29	13°24	16° 3	18°46	3°39	3°33	8°58	24° 1	25°30	24°21	24° 0	28° 8	n.a.	S 6
S 7	12 33 38	9°55'30	11♊55	14°12	17°17	19°28	3°34	3°41	9° 1	24° 0	25°31	24°15	23°57	28°15	n.a.	S 7
M 8	12 37 34	10°53'16	24°34	15° 4	18°31	20° 9	3°29	3°49	9° 3	23°59	25°33	24°12	23°53	28°22	n.a.	M 8
T 9	12 41 31	11°50'59	7♋31	15°59	19°44	20°51	3°24	3°57	9° 5	23°58	25°34	24°D11	23°50	28°29	n.a.	T 9
W10	12 45 27	12°48'41	20°49	16°58	20°58	21°33	3°20	4° 5	9° 7	23°57	25°35	24°R11	23°47	28°35	n.a.	W10
T 11	12 49 24	13°46'21	4♌32	17°59	22°12	22°14	3°15	4°12	9°10	23°56	25°36	24°11	23°44	28°42	n.a.	T 11
F 12	12 53 20	14°43'59	18°41	19° 3	23°25	22°56	3°11	4°20	9°12	23°55	25°37	24°10	23°41	28°49	n.a.	F 12
S 13	12 57 17	15°41'35	3♍16	20°11	24°39	23°37	3° 7	4°28	9°15	23°53	25°38	24° 6	23°38	28°55	n.a.	S 13
S 14	13 1 13	16°39'10	18°12	21°21	25°53	24°19	3° 3	4°36	9°17	23°52	25°39	23°59	23°34	29° 2	n.a.	S 14
M15	13 5 10	17°36'43	3♎23	22°33	27° 6	25° 0	2°59	4°43	9°20	23°51	25°40	23°50	23°31	29° 9	n.a.	M15
T 16	13 9 6	18°34'15	18°40	23°49	28°20	25°41	2°56	4°51	9°22	23°50	25°41	23°40	23°28	29°15	n.a.	T 16
W17	13 13 3	19°31'46	3♏50	25° 7	29°34	26°23	2°52	4°59	9°25	23°49	25°42	23°29	23°25	29°22	n.a.	W17
T 18	13 17 0	20°29'15	18°43	26°28	0♑47	27° 4	2°49	5° 6	9°28	23°47	25°43	23°19	23°22	29°29	n.a.	T 18
F 19	13 20 56	21°26'44	3♐12	27°51	2° 1	27°45	2°46	5°14	9°30	23°46	25°44	23°11	23°18	29°36	n.a.	F 19
S 20	13 24 53	22°24'11	17°12	29°16	3°15	28°26	2°43	5°22	9°33	23°45	25°45	23° 6	23°15	29°42	n.a.	S 20
S 21	13 28 49	23°21'38	0♑42	0♈44	4°28	29° 7	2°40	5°29	9°36	23°43	25°46	23° 3	23°12	29°49	n.a.	S 21
M22	13 32 46	24°19'03	13°44	2°15	5°42	29°48	2°37	5°37	9°38	23°42	25°47	23° 2	23° 9	29°56	n.a.	M22
T 23	13 36 42	25°16'28	26°22	3°48	6°55	0♉29	2°35	5°44	9°41	23°41	25°48	23° 1	23° 6	0♈ 2	n.a.	T 23
W24	13 40 39	26°13'52	8♒41	5°23	8° 9	1°10	2°32	5°52	9°44	23°39	25°49	23° 1	23° 3	0° 9	n.a.	W24
T 25	13 44 36	27°11'15	20°45	7° 1	9°22	1°51	2°30	5°59	9°47	23°38	25°49	23° 0	22°59	0°16	n.a.	T 25
F 26	13 48 32	28° 8'37	2♓41	8°41	10°36	2°32	2°28	6° 7	9°50	23°37	25°50	22°56	22°56	0°23	n.a.	F 26
S 27	13 52 29	29° 5'58	14°31	10°24	11°49	3°13	2°27	6°14	9°53	23°35	25°51	22°49	22°53	0°29	n.a.	S 27
S 28	13 56 25	0♉ 3'19	26°21	12° 9	13° 3	3°54	2°25	6°22	9°56	23°34	25°52	22°40	22°50	0°36	n.a.	S 28
M29	14 0 22	1° 0'38	8♈13	13°56	14°16	4°35	2°24	6°29	9°59	23°32	25°53	22°29	22°47	0°43	n.a.	M29
T 30	14 4 18	1♉57'57	20♈ 9	15♈46	15♉30	5♉16	2♍23	6♈37	10♊ 2	23♏31	25♒53	22♑16	22♑43	0♈49	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n40	3n53	4n31	9s36	1s56	3n14	0s49	5n59	0s 8	11n45	1n44	0s57	2s19	22n13	0n 9	17s32	1n35	28s10	15s59	21s23	21s34	3n14		n.a.
T 2	2 3	8 59	4 53	9 33	2 5	3 45	0 47	6 16	0 7	11 47	1 44	0 54	2 19	22 13	0 9	17 32	1 35	28 10	15 59	21 25	21 34	3 17		n.a.
W 3	2 27	13 46	5 1	9 28	2 14	4 16	0 45	6 33	0 6	11 49	1 44	0 51	2 19	22 14	0 9	17 31	1 35	28 10	16 0	21 27	21 35	3 20		n.a.
T 4	2 50	18 4	4 56	9 21	2 22	4 47	0 43	6 49	0 6	11 51	1 44	0 47	2 19	22 14	0 9	17 31	1 35	28 9	16 0	21 30	21 36	3 23		n.a.
F 5	3 13	21 39	4 38	9 11	2 29	5 18	0 41	7 6	0 5	11 53	1 44	0 44	2 19	22 14	0 9	17 31	1 35	28 9	16 0	21 31	21 36	3 26		n.a.
S 6	3 36	24 20	4 7	9 0	2 35	5 48	0 39	7 23	0 5	11 54	1 43	0 41	2 19	22 15	0 9	17 31	1 35	28 9	16 0	21 33	21 37	3 29		n.a.
S 7	3 59	25 54	3 24	8 46	2 40	6 19	0 37	7 39	0 4	11 56	1 43	0 38	2 19	22 15	0 9	17 30	1 35	28 9	16 1	21 34	21 37	3 32		n.a.
M 8	4 22	26 10	2 30	8 30	2 45	6 49	0 34	7 56	0 3	11 58	1 43	0 35	2 19	22 15	0 9	17 30	1 35	28 9	16 1	21 34	21 38	3 35		n.a.
T 9	4 45	25 0	1 27	8 12	2 49	7 20	0 32	8 12	0 3	11 59	1 43	0 32	2 19	22 16	0 9	17 30	1 35	28 9	16 1	21 35	21 38	3 39		n.a.
W10	5 8	22 26	0 18	7 51	2 52	7 50	0 30	8 29	0 2	12 1	1 43	0 29	2 19	22 16	0 9	17 29	1 35	28 8	16 1	21 35	21 39	3 42		n.a.
T 11	5 30	18 31	0s54	7 29	2 55	8 20	0 28	8 45	0 1	12 2	1 42	0 26	2 19	22 17	0 9	17 29	1 35	28 8	16 2	21 35	21 39	3 45		n.a.
F 12	5 53	13 27	2 6	7 5	2 57	8 50	0 26	9 1	0 1	12 4	1 42	0 22	2 19	22 17	0 9	17 29	1 35	28 8	16 2	21 35	21 40	3 48		n.a.
S 13	6 16	7 29	3 11	6 40	2 58	9 19	0 23	9 17	0 0	12 5	1 42	0 19	2 19	22 17	0 9	17 29	1 35	28 8	16 2	21 36	21 41	3 51		n.a.
S 14	6 38	0 59	4 4	6 12	2 58	9 49	0 21	9 34	0n 0	12 6	1 42	0 16	2 19	22 18	0 9	17 28	1 35	28 8	16 3	21 37	21 41	3 54		n.a.
M15	7 0	5s40	4 42	5 43	2 58	10 18	0 19	9 49	0 1	12 7	1 41	0 13	2 19	22 18	0 9	17 28	1 35	28 8	16 3	21 38	21 42	3 57		n.a.
T 16	7 23	12 0	4 59	5 12	2 57	10 47	0 16	10 5	0 2	12 9	1 41	0 10	2 19	22 19	0 9	17 28	1 35	28 8	16 3	21 40	21 42	4 0		n.a.
W17	7 45	17 35	4 56	4 39	2 56	11 15	0 14	10 21	0 2	12 10	1 41	0 7	2 19	22 19	0 9	17 27	1 35	28 8	16 3	21 42	21 43	4 3		n.a.
T 18	8 7	21 59	4 32	4 4	2 53	11 44	0 11	10 37	0 3	12 11	1 41	0 4	2 19	22 19	0 9	17 27	1 35	28 8	16 4	21 44	21 43	4 6		n.a.
F 19	8 29	24 52	3 51	3 28	2 51	12 12	0 9	10 52	0 3	12 12	1 40	0 1	2 19	22 20	0 9	17 27	1 35	28 8	16 4	21 45	21 44	4 9		n.a.
S 20	8 50	26 5	2 57	2 50	2 47	12 40	0 7	11 8	0 4	12 12	1 40	0n 2	2 19	22 20	0 9	17 26	1 35	28 7	16 4	21 46	21 44	4 12		n.a.
S 21	9 12	25 41	1 55	2 11	2 43	13 7	0 4	11 23	0 5	12 13	1 40	0 5	2 19	22 21	0 9	17 26	1 35	28 7	16 5	21 47	21 45	4 15		n.a.
M22	9 33	23 52	0 49	1 31	2 38	13 35	0 2	11 38	0 5	12 14	1 40	0 8	2 20	22 21	0 9	17 25	1 35	28 7	16 5	21 47	21 45	4 18		n.a.
T 23	9 55	20 53	0n18	0 48	2 33	14 1	0n 1	11 54	0 6	12 15	1 39	0 11	2 20	22 21	0 9	17 25	1 35	28 7	16 5	21 47	21 46	4 21		n.a.
W24	10 16	17 2	1 22	0 5	2 27	14 28	0 3	12 9	0 6	12 15	1 39	0 14	2 20	22 22	0 9	17 25	1 35	28 7	16 6	21 47	21 47	4 24		n.a.
T 25	10 37	12 33	2 21	0n40	2 21	14 54	0 6	12 24	0 7	12 16	1 39	0 17	2 20	22 22	0 9	17 24	1 35	28 7	16 6	21 47	21 47	4 27		n.a.
F 26	10 58	7 40	3 13	1 26	2 14	15 20	0 8	12 38	0 8	12 16	1 39	0 20	2 20	22 23	0 9	17 24	1 35	28 7	16 6	21 48	21 48	4 30		n.a.
S 27	11 18	2 33	3 56	2 14	2 7	15 46	0 10	12 53	0 8	12 17	1 38	0 23	2 20	22 23	0 9	17 24	1 35	28 7	16 7	21 49	21 48	4 33		n.a.
S 28	11 39	2n38	4 29	3 3	1 59	16 11	0 13	13 8	0 9	12 17	1 38	0 25	2 20	22 24	0 9	17 23	1 35	28 7	16 7	21 50	21 49	4 36		n.a.
M29	11 59	7 45	4 51	3 53	1 51	16 35	0 15	13 22	0 9	12 17	1 38	0 28	2 20	22 24	0 9	17 23	1 35	28 7	16 7	21 52	21 49	4 39		n.a.
T 30	12n19	12n35	5n 0	4n43	1s42	17n 0	0n18	13n37	0n10	12n17	1n38	0n31	2s20	22n25	0n 9	17s23	1n35	28s 7	16s 8	21s54	21s50	4n42		n.a.

Julian Day Number = 1483005.5, Delta T = 05h21m07s
Ecliptic obliquity = 23°46'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'19, Lahiri = -12°58'18 Julian Calendar 1 Apr. 653 BCE == Greg. Calendar 25 March 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

MAY 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 8 15	2♉55'15	2♉10	17♈38	16♉43	5♉56	2°R22	6♈44	10♊ 5	23°R29	25♒54	22°R 2	22♑40	0♈56	n.a.	W 1
T 2	14 12 11	3°52'32	14°19	19°32	17°57	6°37	2♍21	6°51	10° 8	23♏28	25°55	21♑49	22°37	1° 3	n.a.	T 2
F 3	14 16 8	4°49'49	26°36	21°28	19°10	7°18	2°20	6°59	10°11	23°26	25°55	21°38	22°34	1°10	n.a.	F 3
S 4	14 20 5	5°47'04	9♊ 1	23°27	20°24	7°58	2°20	7° 6	10°14	23°25	25°56	21°29	22°31	1°16	n.a.	S 4
S 5	14 24 1	6°44'19	21°37	25°28	21°37	8°39	2°19	7°13	10°17	23°23	25°57	21°23	22°28	1°23	n.a.	S 5
M 6	14 27 58	7°41'32	4♋26	27°30	22°50	9°19	2°D19	7°20	10°20	23°22	25°57	21°20	22°24	1°30	n.a.	M 6
T 7	14 31 54	8°38'45	17°28	29°35	24° 4	10° 0	2°19	7°27	10°24	23°20	25°58	21°D19	22°21	1°36	n.a.	T 7
W 8	14 35 51	9°35'57	0♌48	1♉41	25°17	10°40	2°19	7°34	10°27	23°19	25°58	21°19	22°18	1°43	n.a.	W 8
T 9	14 39 47	10°33'08	14°27	3°48	26°31	11°21	2°20	7°41	10°30	23°17	25°59	21°R19	22°15	1°50	n.a.	T 9
F 10	14 43 44	11°30'18	28°26	5°57	27°44	12° 1	2°21	7°48	10°33	23°16	26° 0	21°18	22°12	1°57	n.a.	F 10
S 11	14 47 40	12°27'27	12♍47	8° 7	28°57	12°41	2°21	7°55	10°37	23°14	26° 0	21°15	22° 9	2° 3	n.a.	S 11
S 12	14 51 37	13°24'35	27°27	10°18	0♊11	13°21	2°22	8° 2	10°40	23°12	26° 1	21°10	22° 5	2°10	n.a.	S 12
M13	14 55 34	14°21'42	12♎20	12°29	1°24	14° 2	2°23	8° 9	10°43	23°11	26° 1	21° 2	22° 2	2°17	n.a.	M13
T 14	14 59 30	15°18'49	27°19	14°40	2°37	14°42	2°25	8°16	10°47	23° 9	26° 2	20°53	21°59	2°23	n.a.	T 14
W15	15 3 27	16°15'55	12♏16	16°52	3°50	15°22	2°26	8°23	10°50	23° 8	26° 2	20°44	21°56	2°30	n.a.	W15
T 16	15 7 23	17°13'01	27° 0	19° 3	5° 4	16° 2	2°28	8°29	10°53	23° 6	26° 2	20°35	21°53	2°37	n.a.	T 16
F 17	15 11 20	18°10'07	11♐25	21°14	6°17	16°42	2°30	8°36	10°57	23° 4	26° 3	20°28	21°49	2°44	n.a.	F 17
S 18	15 15 16	19° 7'12	25°24	23°23	7°30	17°22	2°32	8°43	11° 0	23° 3	26° 3	20°23	21°46	2°50	n.a.	S 18
S 19	15 19 13	20° 4'18	8♑56	25°32	8°43	18° 2	2°34	8°49	11° 4	23° 1	26° 3	20°21	21°43	2°57	n.a.	S 19
M20	15 23 9	21° 1'23	22° 1	27°40	9°57	18°42	2°36	8°56	11° 7	23° 0	26° 4	20°D20	21°40	3° 4	n.a.	M20
T 21	15 27 6	21°58'28	4♒43	29°46	11°10	19°22	2°39	9° 2	11°11	22°58	26° 4	20°21	21°37	3°10	n.a.	T 21
W22	15 31 3	22°55'33	17° 5	1♊51	12°23	20° 2	2°42	9° 9	11°14	22°56	26° 4	20°21	21°34	3°17	n.a.	W22
T 23	15 34 59	23°52'39	29°11	3°54	13°36	20°42	2°45	9°15	11°18	22°55	26° 5	20°R21	21°30	3°24	n.a.	T 23
F 24	15 38 56	24°49'44	11♓ 8	5°55	14°49	21°22	2°48	9°22	11°21	22°53	26° 5	20°20	21°27	3°31	n.a.	F 24
S 25	15 42 52	25°46'50	23° 0	7°54	16° 2	22° 2	2°51	9°28	11°25	22°51	26° 5	20°16	21°24	3°37	n.a.	S 25
S 26	15 46 49	26°43'55	4♈51	9°52	17°16	22°41	2°54	9°34	11°28	22°50	26° 5	20°11	21°21	3°44	n.a.	S 26
M27	15 50 45	27°41'01	16°46	11°47	18°29	23°21	2°58	9°40	11°32	22°48	26° 5	20° 3	21°18	3°51	n.a.	M27
T 28	15 54 42	28°38'07	28°47	13°41	19°42	24° 1	3° 1	9°46	11°35	22°47	26° 6	19°54	21°15	3°58	n.a.	T 28
W29	15 58 38	29°35'14	10♉56	15°32	20°55	24°40	3° 5	9°52	11°39	22°45	26° 6	19°45	21°11	4° 4	n.a.	W29
T 30	16 2 35	0♊32'20	23°16	17°22	22° 8	25°20	3° 9	9°58	11°42	22°43	26° 6	19°36	21° 8	4°11	n.a.	T 30
F 31	16 6 32	1♊29'27	5♊47	19♊ 9	23♊21	26♉ 0	3♍14	10♈ 4	11♊46	22♏42	26♒ 6	19♑28	21♑ 5	4♈18	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12n39	17n 0	4n55	5n35	1s33	17n23	0n20	13n51	0n10	12n17	1n37	0n34	2s20	22n25	0n 9	17s22	1n35	28s 7	16s 8	21s57	21s50	4n45		n.a.
T 2	12 59	20 46	4 38	6 28	1 23	17 47	0 23	14 5	0 11	12 18	1 37	0 37	2 20	22 25	0 9	17 22	1 35	28 8	16 8	21 59	21 51	4 48		n.a.
F 3	13 19	23 40	4 7	7 21	1 13	18 10	0 25	14 19	0 12	12 18	1 37	0 40	2 20	22 26	0 9	17 21	1 35	28 8	16 9	22 1	21 51	4 51		n.a.
S 4	13 38	25 28	3 24	8 15	1 3	18 32	0 27	14 33	0 12	12 17	1 37	0 43	2 21	22 26	0 9	17 21	1 35	28 8	16 9	22 2	21 52	4 54		n.a.
S 5	13 57	26 0	2 30	9 10	0 53	18 54	0 30	14 47	0 13	12 17	1 36	0 45	2 21	22 27	0 9	17 21	1 35	28 8	16 9	22 3	21 52	4 57		n.a.
M 6	14 16	25 10	1 28	10 4	0 42	19 16	0 32	15 1	0 13	12 17	1 36	0 48	2 21	22 27	0 9	17 20	1 35	28 8	16 10	22 3	21 53	5 0		n.a.
T 7	14 35	22 57	0 20	10 59	0 32	19 37	0 35	15 14	0 14	12 17	1 36	0 51	2 21	22 28	0 9	17 20	1 35	28 8	16 10	22 4	21 53	5 3		n.a.
W 8	14 53	19 27	0s50	11 54	0 21	19 57	0 37	15 28	0 15	12 16	1 36	0 54	2 21	22 28	0 9	17 19	1 35	28 8	16 10	22 4	21 54	5 6		n.a.
T 9	15 12	14 49	2 0	12 48	0 10	20 17	0 39	15 41	0 15	12 16	1 35	0 56	2 21	22 29	0 9	17 19	1 35	28 8	16 11	22 3	21 55	5 9		n.a.
F 10	15 30	9 19	3 4	13 42	0n 1	20 36	0 42	15 54	0 16	12 16	1 35	0 59	2 21	22 29	0 9	17 19	1 35	28 8	16 11	22 4	21 55	5 12		n.a.
S 11	15 47	3 12	3 58	14 35	0 11	20 55	0 44	16 7	0 16	12 15	1 35	1 2	2 21	22 30	0 9	17 18	1 35	28 9	16 11	22 4	21 56	5 15		n.a.
S 12	16 5	3s12	4 37	15 28	0 22	21 13	0 46	16 20	0 17	12 14	1 34	1 4	2 21	22 30	0 9	17 18	1 35	28 9	16 12	22 5	21 56	5 18		n.a.
M13	16 22	9 31	4 59	16 18	0 32	21 31	0 48	16 33	0 17	12 14	1 34	1 7	2 22	22 31	0 9	17 17	1 35	28 9	16 12	22 6	21 57	5 21		n.a.
T 14	16 39	15 20	5 1	17 8	0 42	21 48	0 51	16 46	0 18	12 13	1 34	1 9	2 22	22 31	0 9	17 17	1 35	28 9	16 13	22 8	21 57	5 24		n.a.
W15	16 56	20 12	4 42	17 56	0 51	22 5	0 53	16 58	0 19	12 12	1 34	1 12	2 22	22 32	0 9	17 17	1 35	28 9	16 13	22 9	21 58	5 27		n.a.
T 16	17 13	23 43	4 4	18 42	1 0	22 21	0 55	17 10	0 19	12 11	1 33	1 15	2 22	22 32	0 9	17 16	1 35	28 9	16 13	22 10	21 58	5 30		n.a.
F 17	17 29	25 38	3 12	19 25	1 9	22 36	0 57	17 23	0 20	12 10	1 33	1 17	2 22	22 33	0 9	17 16	1 35	28 10	16 14	22 11	21 59	5 33		n.a.
S 18	17 45	25 50	2 9	20 7	1 17	22 50	0 59	17 35	0 20	12 9	1 33	1 20	2 22	22 33	0 9	17 15	1 35	28 10	16 14	22 12	21 59	5 36		n.a.
S 19	18 0	24 29	1 1	20 46	1 24	23 4	1 1	17 47	0 21	12 8	1 33	1 22	2 22	22 34	0 9	17 15	1 35	28 10	16 14	22 13	22 0	5 39		n.a.
M20	18 16	21 48	0n 9	21 23	1 31	23 18	1 3	17 58	0 21	12 7	1 32	1 25	2 23	22 34	0 9	17 15	1 35	28 10	16 15	22 13	22 0	5 42		n.a.
T 21	18 31	18 7	1 16	21 57	1 37	23 30	1 5	18 10	0 22	12 6	1 32	1 27	2 23	22 35	0 9	17 14	1 35	28 10	16 15	22 13	22 1	5 45		n.a.
W22	18 46	13 45	2 18	22 29	1 42	23 42	1 7	18 21	0 22	12 5	1 32	1 29	2 23	22 35	0 9	17 14	1 35	28 11	16 16	22 12	22 1	5 48		n.a.
T 23	19 0	8 55	3 12	22 58	1 47	23 54	1 9	18 33	0 23	12 4	1 31	1 32	2 23	22 36	0 9	17 13	1 35	28 11	16 16	22 12	22 2	5 51		n.a.
F 24	19 14	3 50	3 58	23 24	1 51	24 4	1 11	18 44	0 24	12 2	1 31	1 34	2 23	22 36	0 9	17 13	1 35	28 11	16 16	22 13	22 2	5 54		n.a.
S 25	19 28	1n20	4 32	23 48	1 54	24 14	1 13	18 55	0 24	12 1	1 31	1 37	2 23	22 37	0 9	17 13	1 35	28 12	16 17	22 13	22 3	5 57		n.a.
S 26	19 42	6 27	4 55	24 9	1 56	24 23	1 15	19 6	0 25	11 59	1 31	1 39	2 24	22 37	0 9	17 12	1 35	28 12	16 17	22 14	22 3	6 0		n.a.
M27	19 55	11 22	5 5	24 28	1 58	24 32	1 16	19 17	0 25	11 58	1 30	1 41	2 24	22 38	0 9	17 12	1 35	28 12	16 17	22 15	22 4	6 3		n.a.
T 28	20 8	15 53	5 2	24 44	1 59	24 40	1 18	19 27	0 26	11 56	1 30	1 43	2 24	22 38	0 9	17 11	1 35	28 12	16 18	22 17	22 4	6 6		n.a.
W29	20 21	19 50	4 45	24 58	2 0	24 47	1 20	19 38	0 26	11 54	1 30	1 46	2 24	22 39	0 9	17 11	1 35	28 13	16 18	22 18	22 5	6 8		n.a.
T 30	20 33	22 58	4 15	25 9	2 0	24 53	1 21	19 48	0 27	11 53	1 30	1 48	2 24	22 39	0 9	17 11	1 35	28 13	16 19	22 19	22 5	6 11		n.a.
F 31	20n45	25n 3	3n32	25n18	1n59	24n59	1n23	19n58	0n27	11n51	1n29	1n50	2s24	22n40	0n 9	17s10	1n35	28s13	16s19	22s20	22s 6	6n14		n.a.

Julian Day Number = 1483035.5, Delta T = 05h21m05s
Ecliptic obliquity = 23°46'30, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'15, Lahiri = -12°58'14 Julian Calendar 1 May 653 BCE == Greg. Calendar 24 Apr. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

JUNE 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 10 28	2♊26'34	18♊29	20♊55	24♊34	26♉39	3♍18	10♈10	11♊50	22°R40	26♒ 6	19°R23	21♐ 2	4♈24	n.a.	S 1
S 2	16 14 25	3°23'41	1♋23	22°38	25°47	27°19	3°22	10°16	11°53	22♏39	26° 6	19♐19	20°59	4°31	n.a.	S 2
M 3	16 18 21	4°20'48	14°29	24°19	27° 0	27°58	3°27	10°21	11°57	22°37	26°R 6	19°D18	20°55	4°38	n.a.	M 3
T 4	16 22 18	5°17'55	27°47	25°59	28°13	28°38	3°32	10°27	12° 1	22°36	26° 6	19°18	20°52	4°45	n.a.	T 4
W 5	16 26 14	6°15'02	11♌18	27°36	29°26	29°17	3°37	10°33	12° 4	22°34	26° 6	19°19	20°49	4°51	n.a.	W 5
T 6	16 30 11	7°12'09	25° 3	29°11	0♋39	29°57	3°42	10°38	12° 8	22°32	26° 6	19°20	20°46	4°58	n.a.	T 6
F 7	16 34 8	8° 9'16	9♍ 1	0♋44	1°52	0♊36	3°47	10°44	12°11	22°31	26° 6	19°R21	20°43	5° 5	n.a.	F 7
S 8	16 38 4	9° 6'23	23°13	2°15	3° 5	1°15	3°53	10°49	12°15	22°29	26° 6	19°20	20°40	5°11	n.a.	S 8
S 9	16 42 1	10° 3'30	7♎36	3°44	4°18	1°55	3°58	10°54	12°19	22°28	26° 5	19°17	20°36	5°18	n.a.	S 9
M10	16 45 57	11° 0'38	22° 8	5°10	5°31	2°34	4° 4	10°59	12°22	22°26	26° 5	19°13	20°33	5°25	n.a.	M10
T 11	16 49 54	11°57'46	6♏43	6°35	6°44	3°13	4°10	11° 4	12°26	22°25	26° 5	19° 8	20°30	5°32	n.a.	T 11
W12	16 53 50	12°54'54	21°14	7°57	7°57	3°52	4°16	11°10	12°30	22°23	26° 5	19° 3	20°27	5°38	n.a.	W12
T 13	16 57 47	13°52'02	5♐37	9°17	9° 9	4°32	4°22	11°15	12°33	22°22	26° 5	18°58	20°24	5°45	n.a.	T 13
F 14	17 1 43	14°49'11	19°44	10°35	10°22	5°11	4°29	11°19	12°37	22°20	26° 4	18°54	20°21	5°52	n.a.	F 14
S 15	17 5 40	15°46'21	3♑32	11°51	11°35	5°50	4°35	11°24	12°41	22°19	26° 4	18°52	20°17	5°58	n.a.	S 15
S 16	17 9 37	16°43'32	16°57	13° 4	12°48	6°29	4°42	11°29	12°44	22°17	26° 4	18°D51	20°14	6° 5	n.a.	S 16
M17	17 13 33	17°40'43	29°59	14°15	14° 1	7° 8	4°48	11°34	12°48	22°16	26° 4	18°51	20°11	6°12	n.a.	M17
T 18	17 17 30	18°37'55	12♒41	15°23	15°13	7°47	4°55	11°38	12°51	22°15	26° 3	18°52	20° 8	6°19	n.a.	T 18
W19	17 21 26	19°35'08	25° 5	16°29	16°26	8°26	5° 2	11°43	12°55	22°13	26° 3	18°54	20° 5	6°25	n.a.	W19
T 20	17 25 23	20°32'22	7♓14	17°32	17°39	9° 5	5° 9	11°47	12°59	22°12	26° 3	18°55	20° 1	6°32	n.a.	T 20
F 21	17 29 19	21°29'37	19°12	18°32	18°51	9°44	5°16	11°52	13° 2	22°10	26° 2	18°R56	19°58	6°39	n.a.	F 21
S 22	17 33 16	22°26'53	1♈ 6	19°29	20° 4	10°23	5°24	11°56	13° 6	22° 9	26° 2	18°56	19°55	6°46	n.a.	S 22
S 23	17 37 13	23°24'11	12°59	20°23	21°17	11° 2	5°31	12° 0	13°10	22° 8	26° 1	18°54	19°52	6°52	n.a.	S 23
M24	17 41 9	24°21'29	24°56	21°14	22°29	11°41	5°39	12° 4	13°13	22° 6	26° 1	18°52	19°49	6°59	n.a.	M24
T 25	17 45 6	25°18'49	7♉ 1	22° 2	23°42	12°20	5°47	12° 8	13°17	22° 5	26° 0	18°49	19°46	7° 6	n.a.	T 25
W26	17 49 2	26°16'10	19°17	22°46	24°54	12°58	5°55	12°12	13°20	22° 4	26° 0	18°45	19°42	7°12	n.a.	W26
T 27	17 52 59	27°13'32	1♊47	23°27	26° 7	13°37	6° 3	12°16	13°24	22° 3	25°59	18°42	19°39	7°19	n.a.	T 27
F 28	17 56 55	28°10'55	14°31	24° 4	27°20	14°16	6°11	12°20	13°27	22° 1	25°59	18°39	19°36	7°26	n.a.	F 28
S 29	18 0 52	29° 8'19	27°31	24°37	28°32	14°55	6°19	12°23	13°31	22° 0	25°58	18°37	19°33	7°33	n.a.	S 29
S 30	18 4 48	0♋ 5'45	10♋46	25♋ 6	29♋45	15♊34	6♍27	12♈27	13♊34	21♏59	25♒58	18♐36	19♐30	7♈39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n56	25n54	2n38	25n25	1n57	25n 4	1n24	20n 8	0n28	11n49	1n29	1n52	2s25	22n40	0n 9	17s10	1n35	28s14	16s19	22s21	22s 6	6n17		n.a.
S 2	21 8	25 21	1 35	25 29	1 55	25 8	1 25	20 18	0 28	11 47	1 29	1 54	2 25	22 41	0 9	17 9	1 35	28 14	16 20	22 22	22 7	6 20		n.a.
M 3	21 19	23 24	0 26	25 32	1 53	25 11	1 27	20 27	0 29	11 45	1 29	1 56	2 25	22 41	0 9	17 9	1 35	28 14	16 20	22 22	22 7	6 23		n.a.
T 4	21 29	20 9	0s46	25 32	1 49	25 14	1 28	20 37	0 30	11 43	1 28	1 58	2 25	22 42	0 9	17 9	1 35	28 15	16 20	22 22	22 8	6 26		n.a.
W 5	21 39	15 46	1 56	25 31	1 46	25 16	1 29	20 46	0 30	11 41	1 28	2 0	2 25	22 42	0 9	17 8	1 35	28 15	16 21	22 22	22 8	6 29		n.a.
T 6	21 49	10 31	3 1	25 28	1 41	25 17	1 30	20 55	0 31	11 39	1 28	2 2	2 26	22 43	0 9	17 8	1 35	28 15	16 21	22 22	22 9	6 32		n.a.
F 7	21 58	4 39	3 57	25 23	1 36	25 17	1 31	21 4	0 31	11 37	1 27	2 4	2 26	22 43	0 9	17 7	1 35	28 16	16 22	22 21	22 9	6 35		n.a.
S 8	22 7	1s32	4 39	25 16	1 31	25 17	1 33	21 13	0 32	11 34	1 27	2 6	2 26	22 44	0 9	17 7	1 35	28 16	16 22	22 22	22 10	6 38		n.a.
S 9	22 16	7 42	5 4	25 8	1 25	25 16	1 33	21 22	0 32	11 32	1 27	2 8	2 26	22 44	0 9	17 7	1 35	28 17	16 22	22 22	22 10	6 41		n.a.
M10	22 24	13 31	5 10	24 59	1 18	25 14	1 34	21 30	0 33	11 30	1 27	2 10	2 26	22 45	0 9	17 6	1 35	28 17	16 23	22 23	22 11	6 44		n.a.
T 11	22 32	18 35	4 56	24 48	1 12	25 11	1 35	21 38	0 33	11 27	1 26	2 12	2 27	22 45	0 9	17 6	1 35	28 17	16 23	22 23	22 11	6 47		n.a.
W12	22 40	22 33	4 23	24 36	1 4	25 8	1 36	21 46	0 34	11 25	1 26	2 14	2 27	22 46	0 9	17 6	1 35	28 18	16 23	22 24	22 12	6 49		n.a.
T 13	22 47	25 3	3 34	24 23	0 56	25 4	1 37	21 54	0 34	11 22	1 26	2 16	2 27	22 46	0 9	17 5	1 35	28 18	16 24	22 25	22 12	6 52		n.a.
F 14	22 54	25 54	2 32	24 8	0 48	24 59	1 37	22 2	0 35	11 20	1 26	2 17	2 27	22 47	0 9	17 5	1 35	28 19	16 24	22 25	22 13	6 55		n.a.
S 15	23 0	25 6	1 23	23 53	0 39	24 53	1 38	22 10	0 35	11 17	1 26	2 19	2 27	22 47	0 9	17 5	1 35	28 19	16 24	22 26	22 13	6 58		n.a.
S 16	23 6	22 51	0 10	23 37	0 30	24 47	1 38	22 17	0 36	11 15	1 25	2 21	2 28	22 47	0 9	17 4	1 35	28 19	16 25	22 26	22 14	7 1		n.a.
M17	23 12	19 27	1n 1	23 20	0 20	24 40	1 39	22 24	0 36	11 12	1 25	2 22	2 28	22 48	0 9	17 4	1 35	28 20	16 25	22 26	22 14	7 4		n.a.
T 18	23 17	15 13	2 7	23 3	0 11	24 32	1 39	22 31	0 37	11 9	1 25	2 24	2 28	22 48	0 9	17 4	1 35	28 20	16 26	22 25	22 14	7 7		n.a.
W19	23 22	10 26	3 5	22 45	0 0	24 23	1 39	22 38	0 37	11 6	1 25	2 25	2 28	22 49	0 9	17 3	1 35	28 21	16 26	22 25	22 15	7 10		n.a.
T 20	23 26	5 21	3 54	22 26	0s10	24 14	1 40	22 45	0 38	11 3	1 24	2 27	2 29	22 49	0 9	17 3	1 35	28 21	16 26	22 25	22 15	7 13		n.a.
F 21	23 30	0 10	4 33	22 7	0 21	24 4	1 40	22 51	0 38	11 1	1 24	2 28	2 29	22 50	0 9	17 3	1 35	28 22	16 27	22 25	22 16	7 16		n.a.
S 22	23 33	5n 0	4 59	21 48	0 33	23 54	1 40	22 58	0 39	10 58	1 24	2 30	2 29	22 50	0 9	17 2	1 35	28 22	16 27	22 25	22 16	7 18		n.a.
S 23	23 36	9 58	5 12	21 28	0 44	23 42	1 40	23 4	0 39	10 55	1 24	2 31	2 29	22 51	0 9	17 2	1 35	28 23	16 27	22 25	22 17	7 21		n.a.
M24	23 39	14 36	5 12	21 9	0 56	23 30	1 40	23 10	0 40	10 52	1 23	2 33	2 30	22 51	0 9	17 2	1 35	28 23	16 28	22 26	22 17	7 24		n.a.
T 25	23 41	18 44	4 58	20 49	1 8	23 18	1 39	23 15	0 40	10 48	1 23	2 34	2 30	22 52	0 9	17 1	1 35	28 24	16 28	22 26	22 18	7 27		n.a.
W26	23 43	22 7	4 31	20 30	1 21	23 4	1 39	23 21	0 41	10 45	1 23	2 35	2 30	22 52	0 9	17 1	1 35	28 24	16 28	22 26	22 18	7 30		n.a.
T 27	23 45	24 33	3 50	20 11	1 33	22 50	1 39	23 26	0 41	10 42	1 23	2 37	2 30	22 53	0 9	17 1	1 35	28 25	16 29	22 27	22 19	7 33		n.a.
F 28	23 46	25 47	2 57	19 52	1 46	22 36	1 38	23 32	0 42	10 39	1 23	2 38	2 30	22 53	0 9	17 1	1 34	28 25	16 29	22 27	22 19	7 36		n.a.
S 29	23 46	25 39	1 54	19 33	1 59	22 20	1 38	23 37	0 42	10 36	1 22	2 39	2 31	22 54	0 9	17 0	1 34	28 26	16 29	22 28	22 20	7 39		n.a.
S 30	23n46	24n 3	0n43	19n15	2s12	22n 4	1n37	23n41	0n43	10n32	1n22	2n40	2s31	22n54	0n 9	17s 0	1n34	28s26	16s30	22s28	22s20	7n41		n.a.

Julian Day Number = 1483066.5, Delta T = 05h21m04s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'11, Lahiri = -12°58'10 Julian Calendar 1 June 653 BCE == Greg. Calendar 25 May 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

JULY 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 8 45	1♋ 3'11	24♋16	25♋30	0♌57	16♊12	6♍36	12♈30	13♊38	21°R58	25°R57	18°D36	19♑27	7♈46	n.a.	M 1
T 2	18 12 42	2° 0'39	7♌58	25°50	2° 9	16°51	6°44	12°34	13°42	21♏57	25♒57	18♑36	19°23	7°53	n.a.	T 2
W 3	18 16 38	2°58'07	21°50	26° 5	3°22	17°30	6°53	12°37	13°45	21°56	25°56	18°37	19°20	7°59	n.a.	W 3
T 4	18 20 35	3°55'37	5♍52	26°16	4°34	18° 8	7° 2	12°40	13°49	21°54	25°55	18°39	19°17	8° 6	n.a.	T 4
F 5	18 24 31	4°53'07	20° 0	26°R21	5°47	18°47	7°11	12°43	13°52	21°53	25°55	18°39	19°14	8°13	n.a.	F 5
S 6	18 28 28	5°50'38	4♎12	26°21	6°59	19°25	7°20	12°46	13°55	21°52	25°54	18°R40	19°11	8°20	n.a.	S 6
S 7	18 32 24	6°48'11	18°27	26°15	8°11	20° 4	7°29	12°49	13°59	21°51	25°53	18°40	19° 7	8°26	n.a.	S 7
M 8	18 36 21	7°45'44	2♏41	26° 5	9°23	20°42	7°38	12°52	14° 2	21°50	25°53	18°39	19° 4	8°33	n.a.	M 8
T 9	18 40 17	8°43'18	16°52	25°48	10°36	21°21	7°48	12°54	14° 6	21°49	25°52	18°38	19° 1	8°40	n.a.	T 9
W10	18 44 14	9°40'54	0♐56	25°26	11°48	21°59	7°57	12°57	14° 9	21°48	25°51	18°37	18°58	8°47	n.a.	W10
T 11	18 48 11	10°38'31	14°51	24°59	13° 0	22°38	8° 6	13° 0	14°12	21°47	25°50	18°36	18°55	8°53	n.a.	T 11
F 12	18 52 7	11°36'09	28°33	24°27	14°12	23°16	8°16	13° 2	14°16	21°47	25°49	18°35	18°52	9° 0	n.a.	F 12
S 13	18 56 4	12°33'49	11♑59	23°50	15°24	23°55	8°26	13° 4	14°19	21°46	25°49	18°D35	18°48	9° 7	n.a.	S 13
S 14	19 0 0	13°31'30	25°10	23° 8	16°36	24°33	8°36	13° 6	14°22	21°45	25°48	18°35	18°45	9°13	n.a.	S 14
M15	19 3 57	14°29'12	8♒ 2	22°23	17°48	25°11	8°46	13° 8	14°26	21°44	25°47	18°35	18°42	9°20	n.a.	M15
T 16	19 7 53	15°26'56	20°38	21°34	19° 0	25°50	8°56	13°10	14°29	21°43	25°46	18°35	18°39	9°27	n.a.	T 16
W17	19 11 50	16°24'42	2♓59	20°43	20°12	26°28	9° 6	13°12	14°32	21°42	25°45	18°36	18°36	9°34	n.a.	W17
T 18	19 15 46	17°22'29	15° 8	19°51	21°24	27° 6	9°16	13°14	14°35	21°42	25°44	18°36	18°33	9°40	n.a.	T 18
F 19	19 19 43	18°20'19	27° 7	18°58	22°36	27°44	9°26	13°16	14°39	21°41	25°43	18°R36	18°29	9°47	n.a.	F 19
S 20	19 23 40	19°18'10	9♈ 1	18° 5	23°48	28°23	9°37	13°17	14°42	21°40	25°43	18°36	18°26	9°54	n.a.	S 20
S 21	19 27 36	20°16'03	20°55	17°14	25° 0	29° 1	9°47	13°19	14°45	21°40	25°42	18°D36	18°23	10° 0	n.a.	S 21
M22	19 31 33	21°13'58	2♉52	16°26	26°11	29°39	9°58	13°20	14°48	21°39	25°41	18°36	18°20	10° 7	n.a.	M22
T 23	19 35 29	22°11'55	14°57	15°42	27°23	0♋17	10° 8	13°21	14°51	21°38	25°40	18°36	18°17	10°14	n.a.	T 23
W24	19 39 26	23° 9'54	27°15	15° 2	28°35	0°55	10°19	13°22	14°54	21°38	25°39	18°37	18°13	10°21	n.a.	W24
T 25	19 43 22	24° 7'55	9♊50	14°28	29°46	1°33	10°30	13°23	14°57	21°37	25°38	18°37	18°10	10°27	n.a.	T 25
F 26	19 47 19	25° 5'58	22°43	14° 1	0♍58	2°12	10°41	13°24	15° 0	21°37	25°37	18°38	18° 7	10°34	n.a.	F 26
S 27	19 51 15	26° 4'03	5♋57	13°41	2° 9	2°50	10°51	13°25	15° 3	21°36	25°36	18°38	18° 4	10°41	n.a.	S 27
S 28	19 55 12	27° 2'10	19°31	13°28	3°21	3°28	11° 3	13°26	15° 6	21°36	25°35	18°R38	18° 1	10°48	n.a.	S 28
M29	19 59 9	28° 0'19	3♌25	13°D23	4°32	4° 6	11°14	13°26	15° 9	21°35	25°34	18°38	17°58	10°54	n.a.	M29
T 30	20 3 5	28°58'30	17°34	13°27	5°44	4°44	11°25	13°27	15°12	21°35	25°33	18°37	17°54	11° 1	n.a.	T 30
W31	20 7 2	29♋56'42	1♍55	13♋40	6♍55	5♋22	11♍36	13♈27	15♊15	21♏35	25♒32	18♑36	17♑51	11♈ 8	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n46	21n 3	0s31	18n58	2s24	21n48	1n37	23n46	0n43	10n29	1n22	2n41	2s31	22n54	0n 9	17s 0	1n34	28s27	16s30	22s28	22s21	7n44		n.a.
T 2	23 46	16 51	1 45	18 42	2 37	21 31	1 36	23 51	0 44	10 25	1 22	2 43	2 31	22 55	0 9	16 59	1 34	28 27	16 30	22 28	22 21	7 47		n.a.
W 3	23 44	11 41	2 53	18 27	2 50	21 13	1 35	23 55	0 44	10 22	1 22	2 44	2 32	22 55	0 9	16 59	1 34	28 28	16 31	22 28	22 22	7 50		n.a.
T 4	23 43	5 54	3 52	18 13	3 2	20 55	1 34	23 59	0 45	10 18	1 21	2 45	2 32	22 56	0 9	16 59	1 34	28 28	16 31	22 27	22 22	7 53		n.a.
F 5	23 41	0s14	4 38	18 0	3 15	20 36	1 33	24 3	0 45	10 15	1 21	2 46	2 32	22 56	0 9	16 59	1 34	28 29	16 31	22 27	22 22	7 56		n.a.
S 6	23 39	6 22	5 6	17 48	3 26	20 16	1 32	24 7	0 46	10 11	1 21	2 47	2 33	22 57	0 9	16 58	1 34	28 29	16 31	22 27	22 23	7 59		n.a.
S 7	23 36	12 11	5 16	17 38	3 38	19 56	1 31	24 10	0 46	10 8	1 21	2 47	2 33	22 57	0 9	16 58	1 34	28 30	16 32	22 27	22 23	8 1		n.a.
M 8	23 33	17 22	5 7	17 29	3 49	19 36	1 30	24 13	0 47	10 4	1 21	2 48	2 33	22 58	0 9	16 58	1 34	28 30	16 32	22 27	22 24	8 4		n.a.
T 9	23 29	21 33	4 39	17 22	3 59	19 15	1 29	24 17	0 47	10 0	1 20	2 49	2 33	22 58	0 9	16 58	1 34	28 31	16 32	22 28	22 24	8 7		n.a.
W10	23 25	24 27	3 54	17 17	4 8	18 53	1 27	24 19	0 48	9 57	1 20	2 50	2 34	22 58	0 9	16 58	1 34	28 31	16 33	22 28	22 25	8 10		n.a.
T 11	23 20	25 49	2 56	17 14	4 16	18 31	1 26	24 22	0 48	9 53	1 20	2 51	2 34	22 59	0 9	16 57	1 34	28 32	16 33	22 28	22 25	8 13		n.a.
F 12	23 16	25 35	1 49	17 13	4 23	18 8	1 24	24 25	0 49	9 49	1 20	2 51	2 34	22 59	0 9	16 57	1 34	28 33	16 33	22 28	22 26	8 16		n.a.
S 13	23 10	23 50	0 36	17 14	4 29	17 45	1 23	24 27	0 49	9 45	1 20	2 52	2 34	23 0	0 9	16 57	1 34	28 33	16 33	22 28	22 26	8 18		n.a.
S 14	23 5	20 48	0n36	17 17	4 33	17 22	1 21	24 29	0 50	9 41	1 19	2 53	2 35	23 0	0 9	16 57	1 34	28 34	16 34	22 28	22 26	8 21		n.a.
M15	22 58	16 49	1 46	17 22	4 35	16 58	1 19	24 31	0 50	9 37	1 19	2 53	2 35	23 0	0 9	16 57	1 34	28 34	16 34	22 28	22 27	8 24		n.a.
T 16	22 52	12 9	2 48	17 29	4 36	16 33	1 17	24 33	0 51	9 33	1 19	2 54	2 35	23 1	0 9	16 57	1 34	28 35	16 34	22 28	22 27	8 27		n.a.
W17	22 45	7 6	3 42	17 37	4 35	16 9	1 15	24 35	0 51	9 29	1 19	2 54	2 35	23 1	0 9	16 56	1 34	28 35	16 35	22 28	22 28	8 30		n.a.
T 18	22 38	1 53	4 25	17 48	4 32	15 43	1 13	24 36	0 52	9 25	1 19	2 55	2 36	23 2	0 9	16 56	1 34	28 36	16 35	22 28	22 28	8 33		n.a.
F 19	22 30	3n20	4 55	18 0	4 27	15 18	1 11	24 37	0 52	9 21	1 19	2 55	2 36	23 2	0 9	16 56	1 33	28 36	16 35	22 28	22 29	8 35		n.a.
S 20	22 22	8 24	5 12	18 14	4 21	14 52	1 9	24 39	0 53	9 17	1 18	2 55	2 36	23 2	0 9	16 56	1 33	28 37	16 35	22 28	22 29	8 38		n.a.
S 21	22 13	13 9	5 17	18 29	4 12	14 25	1 7	24 39	0 53	9 13	1 18	2 56	2 37	23 3	0 9	16 56	1 33	28 37	16 35	22 28	22 30	8 41		n.a.
M22	22 4	17 26	5 7	18 45	4 2	13 58	1 5	24 40	0 54	9 9	1 18	2 56	2 37	23 3	0 9	16 56	1 33	28 38	16 36	22 28	22 30	8 44		n.a.
T 23	21 55	21 4	4 44	19 2	3 50	13 31	1 2	24 41	0 54	9 4	1 18	2 56	2 37	23 3	0 9	16 56	1 33	28 39	16 36	22 28	22 30	8 47		n.a.
W24	21 45	23 50	4 8	19 20	3 36	13 4	1 0	24 41	0 55	9 0	1 18	2 56	2 37	23 4	0 9	16 56	1 33	28 39	16 36	22 28	22 31	8 49		n.a.
T 25	21 35	25 31	3 19	19 38	3 21	12 36	0 57	24 41	0 55	8 56	1 18	2 56	2 38	23 4	0 10	16 55	1 33	28 40	16 36	22 28	22 31	8 52		n.a.
F 26	21 25	25 53	2 19	19 57	3 6	12 8	0 55	24 41	0 55	8 52	1 17	2 57	2 38	23 5	0 10	16 55	1 33	28 40	16 37	22 28	22 32	8 55		n.a.
S 27	21 14	24 48	1 10	20 16	2 49	11 40	0 52	24 41	0 56	8 47	1 17	2 57	2 38	23 5	0 10	16 55	1 33	28 41	16 37	22 27	22 32	8 58		n.a.
S 28	21 3	22 15	0s 5	20 34	2 32	11 11	0 49	24 40	0 56	8 43	1 17	2 57	2 39	23 5	0 10	16 55	1 33	28 41	16 37	22 27	22 33	9 1		n.a.
M29	20 51	18 21	1 21	20 52	2 14	10 42	0 47	24 39	0 57	8 38	1 17	2 57	2 39	23 6	0 10	16 55	1 33	28 42	16 37	22 27	22 33	9 3		n.a.
T 30	20 39	13 21	2 33	21 10	1 56	10 13	0 44	24 39	0 57	8 34	1 17	2 57	2 39	23 6	0 10	16 55	1 33	28 42	16 37	22 28	22 33	9 6		n.a.
W31	20n27	7n34	3s37	21n26	1s38	9n43	0n41	24n38	0n58	8n29	1n17	2n56	2s39	23n 6	0n10	16s55	1n33	28s43	16s38	22s28	22s34	9n 9		n.a.

Julian Day Number = 1483096.5, Delta T = 05h21m02s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'06, Lahiri = -12°58'06 Julian Calendar 1 July 653 BCE == Greg. Calendar 24 June 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

AUGUST 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 10 58	0♌54'56	16♍21	14♋ 0	8♍ 7	6♋ 0	11♍47	13♈28	15♊17	21°R34	25°R31	18°R35	17♑48	11♈14	n.a.	T 1
F 2	20 14 55	1°53'11	0♎49	14°30	9°18	6°38	11°59	13°28	15°20	21♏34	25♒29	18♑33	17°45	11°21	n.a.	F 2
S 3	20 18 51	2°51'28	15°13	15° 8	10°29	7°16	12°10	13°R28	15°23	21°34	25°28	18°32	17°42	11°28	n.a.	S 3
S 4	20 22 48	3°49'47	29°30	15°54	11°40	7°54	12°22	13°28	15°26	21°34	25°27	18°D31	17°38	11°35	n.a.	S 4
M 5	20 26 44	4°48'08	13♏36	16°47	12°51	8°31	12°33	13°27	15°28	21°33	25°26	18°32	17°35	11°41	n.a.	M 5
T 6	20 30 41	5°46'30	27°31	17°48	14° 3	9° 9	12°45	13°27	15°31	21°33	25°25	18°32	17°32	11°48	n.a.	T 6
W 7	20 34 38	6°44'54	11♐12	18°56	15°14	9°47	12°57	13°27	15°34	21°33	25°24	18°34	17°29	11°55	n.a.	W 7
T 8	20 38 34	7°43'19	24°41	20°10	16°24	10°25	13° 8	13°26	15°36	21°33	25°23	18°35	17°26	12° 2	n.a.	T 8
F 9	20 42 31	8°41'47	7♑57	21°31	17°35	11° 3	13°20	13°26	15°39	21°33	25°22	18°36	17°23	12° 8	n.a.	F 9
S 10	20 46 27	9°40'16	21° 0	22°56	18°46	11°41	13°32	13°25	15°41	21°D33	25°20	18°R36	17°19	12°15	n.a.	S 10
S 11	20 50 24	10°38'47	3♒50	24°27	19°57	12°18	13°44	13°24	15°44	21°33	25°19	18°36	17°16	12°22	n.a.	S 11
M12	20 54 20	11°37'21	16°28	26° 1	21° 8	12°56	13°56	13°23	15°46	21°33	25°18	18°34	17°13	12°28	n.a.	M12
T 13	20 58 17	12°35'56	28°53	27°39	22°18	13°34	14° 8	13°22	15°48	21°33	25°17	18°31	17°10	12°35	n.a.	T 13
W14	21 2 13	13°34'33	11♓ 7	29°20	23°29	14°11	14°20	13°21	15°51	21°33	25°16	18°27	17° 7	12°42	n.a.	W14
T 15	21 6 10	14°33'13	23°12	1♌ 4	24°39	14°49	14°32	13°20	15°53	21°33	25°15	18°22	17° 4	12°49	n.a.	T 15
F 16	21 10 7	15°31'54	5♈10	2°50	25°50	15°27	14°45	13°18	15°55	21°33	25°13	18°18	17° 0	12°55	n.a.	F 16
S 17	21 14 3	16°30'39	17° 3	4°37	27° 0	16° 4	14°57	13°17	15°58	21°34	25°12	18°14	16°57	13° 2	n.a.	S 17
S 18	21 18 0	17°29'25	28°55	6°26	28°10	16°42	15° 9	13°15	16° 0	21°34	25°11	18°11	16°54	13° 9	n.a.	S 18
M19	21 21 56	18°28'14	10♉50	8°16	29°21	17°20	15°21	13°13	16° 2	21°34	25°10	18°10	16°51	13°15	n.a.	M19
T 20	21 25 53	19°27'05	22°53	10° 6	0♎31	17°57	15°34	13°12	16° 4	21°34	25° 9	18°D 9	16°48	13°22	n.a.	T 20
W21	21 29 49	20°25'59	5♊ 9	11°57	1°41	18°35	15°46	13°10	16° 6	21°35	25° 8	18°10	16°44	13°29	n.a.	W21
T 22	21 33 46	21°24'55	17°41	13°47	2°51	19°12	15°59	13° 8	16° 8	21°35	25° 6	18°12	16°41	13°36	n.a.	T 22
F 23	21 37 42	22°23'53	0♋36	15°38	4° 1	19°50	16°11	13° 6	16°10	21°35	25° 5	18°13	16°38	13°42	n.a.	F 23
S 24	21 41 39	23°22'54	13°54	17°28	5°11	20°27	16°24	13° 3	16°12	21°36	25° 4	18°R14	16°35	13°49	n.a.	S 24
S 25	21 45 36	24°21'58	27°39	19°18	6°21	21° 5	16°37	13° 1	16°14	21°36	25° 3	18°14	16°32	13°56	n.a.	S 25
M26	21 49 32	25°21'03	11♌49	21° 8	7°30	21°42	16°49	12°59	16°15	21°37	25° 2	18°12	16°29	14° 3	n.a.	M26
T 27	21 53 29	26°20'11	26°20	22°57	8°40	22°20	17° 2	12°56	16°17	21°37	25° 0	18° 8	16°25	14° 9	n.a.	T 27
W28	21 57 25	27°19'21	11♍ 7	24°45	9°50	22°57	17°15	12°54	16°19	21°38	24°59	18° 3	16°22	14°16	n.a.	W28
T 29	22 1 22	28°18'33	26° 1	26°33	10°59	23°35	17°27	12°51	16°21	21°39	24°58	17°57	16°19	14°23	n.a.	T 29
F 30	22 5 18	29°17'46	10♎55	28°19	12° 8	24°12	17°40	12°48	16°22	21°39	24°57	17°51	16°16	14°29	n.a.	F 30
S 31	22 9 15	0♍17'02	25♎39	0♍ 6	13♎18	24♋49	17♍53	12♈45	16♊24	21♏40	24♒56	17♑46	16♑13	14♈36	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n14	1n21	4s27	21n42	1s20	9n14	0n38	24n36	0n58	8n25	1n17	2n56	2s40	23n 7	0n10	16s55	1n33	28s44	16s38	22s28	22s34	9n12		n.a.
F 2	20 1	4s55	5 1	21 56	1 3	8 44	0 35	24 35	0 59	8 20	1 17	2 56	2 40	23 7	0 10	16 55	1 33	28 44	16 38	22 28	22 35	9 15		n.a.
S 3	19 48	10 54	5 15	22 9	0 46	8 14	0 32	24 33	0 59	8 16	1 16	2 56	2 40	23 7	0 10	16 55	1 33	28 45	16 38	22 28	22 35	9 17		n.a.
S 4	19 34	16 16	5 10	22 20	0 29	7 43	0 28	24 32	1 0	8 11	1 16	2 56	2 40	23 8	0 10	16 55	1 33	28 45	16 38	22 28	22 36	9 20		n.a.
M 5	19 20	20 41	4 46	22 29	0 13	7 13	0 25	24 30	1 0	8 7	1 16	2 55	2 41	23 8	0 10	16 55	1 33	28 46	16 38	22 28	22 36	9 23		n.a.
T 6	19 5	23 52	4 6	22 36	0n 2	6 42	0 22	24 28	1 1	8 2	1 16	2 55	2 41	23 8	0 10	16 55	1 32	28 46	16 38	22 28	22 36	9 26		n.a.
W 7	18 51	25 36	3 12	22 41	0 16	6 11	0 19	24 25	1 1	7 57	1 16	2 54	2 41	23 8	0 10	16 55	1 32	28 47	16 39	22 28	22 37	9 28		n.a.
T 8	18 36	25 48	2 8	22 43	0 29	5 40	0 15	24 23	1 1	7 53	1 16	2 54	2 42	23 9	0 10	16 55	1 32	28 47	16 39	22 28	22 37	9 31		n.a.
F 9	18 20	24 30	0 58	22 42	0 41	5 9	0 12	24 20	1 2	7 48	1 16	2 54	2 42	23 9	0 10	16 55	1 32	28 48	16 39	22 28	22 38	9 34		n.a.
S 10	18 5	21 53	0n13	22 39	0 52	4 38	0 8	24 17	1 2	7 43	1 16	2 53	2 42	23 9	0 10	16 55	1 32	28 48	16 39	22 28	22 38	9 37		n.a.
S 11	17 49	18 13	1 23	22 33	1 3	4 6	0 5	24 14	1 3	7 38	1 15	2 52	2 42	23 10	0 10	16 55	1 32	28 49	16 39	22 28	22 38	9 39		n.a.
M12	17 32	13 47	2 27	22 25	1 12	3 35	0 1	24 11	1 3	7 34	1 15	2 52	2 43	23 10	0 10	16 55	1 32	28 49	16 39	22 28	22 39	9 42		n.a.
T 13	17 16	8 51	3 23	22 14	1 20	3 3	0s 2	24 8	1 4	7 29	1 15	2 51	2 43	23 10	0 10	16 55	1 32	28 50	16 39	22 29	22 39	9 45		n.a.
W14	16 59	3 39	4 9	21 59	1 27	2 32	0 6	24 4	1 4	7 24	1 15	2 50	2 43	23 10	0 10	16 56	1 32	28 50	16 39	22 29	22 40	9 48		n.a.
T 15	16 42	1n35	4 43	21 43	1 33	2 0	0 10	24 0	1 5	7 19	1 15	2 50	2 43	23 11	0 10	16 56	1 32	28 51	16 39	22 30	22 40	9 50		n.a.
F 16	16 24	6 43	5 5	21 23	1 38	1 28	0 14	23 57	1 5	7 14	1 15	2 49	2 44	23 11	0 10	16 56	1 32	28 51	16 40	22 30	22 41	9 53		n.a.
S 17	16 6	11 35	5 13	21 2	1 42	0 57	0 17	23 52	1 5	7 9	1 15	2 48	2 44	23 11	0 10	16 56	1 32	28 52	16 40	22 31	22 41	9 56		n.a.
S 18	15 48	16 1	5 7	20 38	1 46	0 25	0 21	23 48	1 6	7 4	1 15	2 47	2 44	23 11	0 10	16 56	1 32	28 52	16 40	22 31	22 41	9 58		n.a.
M19	15 30	19 50	4 49	20 11	1 48	0s 7	0 25	23 44	1 6	7 0	1 15	2 46	2 44	23 12	0 10	16 56	1 32	28 53	16 40	22 31	22 42	10 1		n.a.
T 20	15 12	22 53	4 17	19 43	1 50	0 39	0 29	23 39	1 7	6 55	1 14	2 45	2 45	23 12	0 10	16 56	1 32	28 53	16 40	22 31	22 42	10 4		n.a.
W21	14 53	24 57	3 34	19 13	1 51	1 11	0 33	23 35	1 7	6 50	1 14	2 44	2 45	23 12	0 10	16 56	1 32	28 54	16 40	22 31	22 43	10 7		n.a.
T 22	14 34	25 50	2 39	18 41	1 51	1 43	0 37	23 30	1 8	6 45	1 14	2 43	2 45	23 12	0 10	16 57	1 32	28 54	16 40	22 31	22 43	10 9		n.a.
F 23	14 14	25 21	1 35	18 8	1 50	2 14	0 41	23 25	1 8	6 40	1 14	2 42	2 45	23 13	0 10	16 57	1 31	28 55	16 40	22 31	22 43	10 12		n.a.
S 24	13 55	23 26	0 24	17 33	1 49	2 46	0 45	23 19	1 9	6 35	1 14	2 41	2 46	23 13	0 10	16 57	1 31	28 55	16 40	22 31	22 44	10 15		n.a.
S 25	13 35	20 5	0s51	16 56	1 48	3 18	0 49	23 14	1 9	6 30	1 14	2 40	2 46	23 13	0 10	16 57	1 31	28 56	16 40	22 31	22 44	10 17		n.a.
M26	13 15	15 30	2 5	16 19	1 46	3 50	0 53	23 8	1 9	6 24	1 14	2 39	2 46	23 13	0 10	16 57	1 31	28 56	16 40	22 31	22 45	10 20		n.a.
T 27	12 55	9 55	3 12	15 41	1 43	4 21	0 57	23 3	1 10	6 19	1 14	2 38	2 46	23 13	0 10	16 57	1 31	28 57	16 40	22 32	22 45	10 23		n.a.
W28	12 34	3 41	4 8	15 1	1 40	4 53	1 1	22 57	1 10	6 14	1 14	2 37	2 46	23 14	0 10	16 58	1 31	28 57	16 40	22 32	22 45	10 26		n.a.
T 29	12 14	2s47	4 47	14 21	1 36	5 24	1 5	22 51	1 11	6 9	1 14	2 35	2 47	23 14	0 10	16 58	1 31	28 58	16 40	22 33	22 46	10 28		n.a.
F 30	11 53	9 4	5 7	13 40	1 33	5 55	1 9	22 44	1 11	6 4	1 14	2 34	2 47	23 14	0 10	16 58	1 31	28 58	16 40	22 34	22 46	10 31		n.a.
S 31	11n32	14s47	5s 6	12n58	1n28	6s27	1s13	22n38	1n12	5n59	1n14	2n33	2s47	23n14	0n10	16s58	1n31	28s58	16s40	22s35	22s46	10n34		n.a.

Julian Day Number = 1483127.5, Delta T = 05h21m01s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°05'02, Lahiri = -12°58'02 Julian Calendar 1 Aug. 653 BCE == Greg. Calendar 25 July 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

SEPTEMBER 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 13 11	1♍16'20	10♏ 8	1♍51	14♎27	25♋27	18♍ 6	12°R42	16♊25	21♏40	24°R54	17°R42	16♉10	14♈43	n.a.	S 1
M 2	22 17 8	2°15'40	24°18	3°36	15°36	26° 4	18°19	12♈39	16°27	21°41	24♒53	17♉40	16° 6	14°50	n.a.	M 2
T 3	22 21 4	3°15'02	8♐ 8	5°19	16°45	26°41	18°32	12°36	16°28	21°42	24°52	17°D40	16° 3	14°56	n.a.	T 3
W 4	22 25 1	4°14'25	21°38	7° 2	17°54	27°18	18°45	12°33	16°30	21°43	24°51	17°41	16° 0	15° 3	n.a.	W 4
T 5	22 28 58	5°13'51	4♉50	8°44	19° 3	27°56	18°57	12°29	16°31	21°44	24°50	17°42	15°57	15°10	n.a.	T 5
F 6	22 32 54	6°13'18	17°45	10°26	20°11	28°33	19°10	12°26	16°32	21°44	24°48	17°R43	15°54	15°17	n.a.	F 6
S 7	22 36 51	7°12'47	0♒28	12° 7	21°20	29°10	19°23	12°23	16°33	21°45	24°47	17°42	15°50	15°23	n.a.	S 7
S 8	22 40 47	8°12'18	12°59	13°46	22°28	29°47	19°36	12°19	16°35	21°46	24°46	17°39	15°47	15°30	n.a.	S 8
M 9	22 44 44	9°11'51	25°20	15°26	23°37	0♌24	19°50	12°15	16°36	21°47	24°45	17°33	15°44	15°37	n.a.	M 9
T 10	22 48 40	10°11'27	7♓33	17° 4	24°45	1° 1	20° 3	12°12	16°37	21°48	24°44	17°25	15°41	15°43	n.a.	T 10
W11	22 52 37	11°11'04	19°39	18°42	25°53	1°39	20°16	12° 8	16°38	21°49	24°43	17°16	15°38	15°50	n.a.	W11
T 12	22 56 33	12°10'43	1♈38	20°19	27° 1	2°16	20°29	12° 4	16°39	21°50	24°41	17° 5	15°35	15°57	n.a.	T 12
F 13	23 0 30	13°10'25	13°33	21°55	28° 9	2°53	20°42	12° 0	16°40	21°51	24°40	16°54	15°31	16° 4	n.a.	F 13
S 14	23 4 26	14°10'09	25°25	23°31	29°16	3°30	20°55	11°56	16°40	21°52	24°39	16°44	15°28	16°10	n.a.	S 14
S 15	23 8 23	15° 9'55	7♉16	25° 6	0♏24	4° 7	21° 8	11°52	16°41	21°53	24°38	16°36	15°25	16°17	n.a.	S 15
M16	23 12 20	16° 9'44	19°10	26°41	1°31	4°44	21°21	11°48	16°42	21°55	24°37	16°29	15°22	16°24	n.a.	M16
T 17	23 16 16	17° 9'35	1♊10	28°15	2°38	5°21	21°34	11°44	16°43	21°56	24°36	16°26	15°19	16°30	n.a.	T 17
W18	23 20 13	18° 9'28	13°22	29°48	3°45	5°58	21°48	11°39	16°43	21°57	24°35	16°D24	15°16	16°37	n.a.	W18
T 19	23 24 9	19° 9'24	25°49	1♎21	4°52	6°35	22° 1	11°35	16°44	21°58	24°34	16°24	15°12	16°44	n.a.	T 19
F 20	23 28 6	20° 9'22	8♋38	2°53	5°59	7°11	22°14	11°31	16°45	22° 0	24°33	16°25	15° 9	16°51	n.a.	F 20
S 21	23 32 2	21° 9'22	21°52	4°25	7° 6	7°48	22°27	11°26	16°45	22° 1	24°32	16°R25	15° 6	16°57	n.a.	S 21
S 22	23 35 59	22° 9'25	5♌34	5°56	8°12	8°25	22°40	11°22	16°45	22° 2	24°31	16°23	15° 3	17° 4	n.a.	S 22
M23	23 39 55	23° 9'30	19°46	7°26	9°18	9° 2	22°54	11°17	16°46	22° 4	24°29	16°20	15° 0	17°11	n.a.	M23
T 24	23 43 52	24° 9'37	4♍26	8°56	10°24	9°39	23° 7	11°13	16°46	22° 5	24°28	16°13	14°56	17°18	n.a.	T 24
W25	23 47 49	25° 9'46	19°27	10°26	11°30	10°16	23°20	11° 8	16°46	22° 6	24°27	16° 4	14°53	17°24	n.a.	W25
T 26	23 51 45	26° 9'57	4♎41	11°55	12°36	10°52	23°33	11° 3	16°47	22° 8	24°26	15°54	14°50	17°31	n.a.	T 26
F 27	23 55 42	27°10'10	19°56	13°23	13°41	11°29	23°46	10°59	16°47	22° 9	24°25	15°43	14°47	17°38	n.a.	F 27
S 28	23 59 38	28°10'24	5♏ 3	14°51	14°47	12° 6	24° 0	10°54	16°47	22°11	24°24	15°33	14°44	17°44	n.a.	S 28
S 29	0 3 35	29°10'41	19°50	16°18	15°52	12°42	24°13	10°49	16°R47	22°12	24°23	15°26	14°41	17°51	n.a.	S 29
M30	0 7 31	0♎10'59	4♐13	17♎44	16♏56	13♌19	24♍26	10♈44	16♊47	22♏14	24♒23	15♉21	14♉37	17♈58	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n10	19s34	4s46	12n16	1n24	6s58	1s17	22n32	1n12	5n54	1n14	2n31	2s47	23n14	0n10	16s59	1n31	28s59	16s40	22s35	22s47	10n36		n.a.
M 2	10 49	23 7	4 8	11 33	1 19	7 28	1 21	22 25	1 12	5 49	1 14	2 30	2 48	23 15	0 10	16 59	1 31	28 59	16 40	22 35	22 47	10 39		n.a.
T 3	10 27	25 13	3 17	10 50	1 14	7 59	1 26	22 18	1 13	5 43	1 13	2 29	2 48	23 15	0 10	16 59	1 31	29 0	16 40	22 35	22 48	10 42		n.a.
W 4	10 5	25 46	2 16	10 6	1 9	8 30	1 30	22 11	1 13	5 38	1 13	2 27	2 48	23 15	0 10	16 59	1 31	29 0	16 40	22 35	22 48	10 44		n.a.
T 5	9 43	24 50	1 9	9 23	1 3	9 0	1 34	22 4	1 14	5 33	1 13	2 26	2 48	23 15	0 10	17 0	1 31	29 0	16 40	22 35	22 48	10 47		n.a.
F 6	9 21	22 34	0n 0	8 39	0 57	9 30	1 38	21 57	1 14	5 28	1 13	2 24	2 48	23 15	0 10	17 0	1 31	29 1	16 40	22 35	22 49	10 50		n.a.
S 7	8 59	19 13	1 8	7 54	0 51	10 0	1 42	21 50	1 15	5 23	1 13	2 23	2 48	23 15	0 10	17 0	1 31	29 1	16 40	22 35	22 49	10 52		n.a.
S 8	8 37	15 3	2 12	7 10	0 45	10 30	1 46	21 42	1 15	5 17	1 13	2 21	2 49	23 15	0 10	17 0	1 31	29 1	16 40	22 36	22 50	10 55		n.a.
M 9	8 14	10 19	3 8	6 25	0 39	11 0	1 50	21 34	1 15	5 12	1 13	2 19	2 49	23 16	0 10	17 1	1 30	29 2	16 39	22 36	22 50	10 58		n.a.
T 10	7 51	5 14	3 55	5 41	0 33	11 29	1 54	21 27	1 16	5 7	1 13	2 18	2 49	23 16	0 10	17 1	1 30	29 2	16 39	22 37	22 50	11 0		n.a.
W11	7 28	0 1	4 30	4 56	0 26	11 58	1 58	21 19	1 16	5 2	1 13	2 16	2 49	23 16	0 10	17 1	1 30	29 2	16 39	22 39	22 51	11 3		n.a.
T 12	7 5	5n 8	4 53	4 12	0 20	12 27	2 2	21 11	1 17	4 56	1 13	2 15	2 49	23 16	0 10	17 2	1 30	29 3	16 39	22 40	22 51	11 6		n.a.
F 13	6 42	10 4	5 4	3 27	0 13	12 55	2 6	21 2	1 17	4 51	1 13	2 13	2 49	23 16	0 10	17 2	1 30	29 3	16 39	22 41	22 51	11 8		n.a.
S 14	6 19	14 37	5 1	2 43	0 7	13 23	2 10	20 54	1 18	4 46	1 13	2 11	2 50	23 16	0 10	17 2	1 30	29 3	16 39	22 43	22 52	11 11		n.a.
S 15	5 55	18 36	4 45	1 58	0s 0	13 51	2 14	20 46	1 18	4 41	1 13	2 9	2 50	23 16	0 10	17 3	1 30	29 4	16 39	22 44	22 52	11 13		n.a.
M16	5 32	21 52	4 17	1 14	0 7	14 19	2 18	20 37	1 18	4 35	1 13	2 8	2 50	23 16	0 10	17 3	1 30	29 4	16 39	22 44	22 53	11 16		n.a.
T 17	5 8	24 13	3 37	0 30	0 14	14 46	2 22	20 28	1 19	4 30	1 13	2 6	2 50	23 16	0 10	17 3	1 30	29 4	16 39	22 45	22 53	11 19		n.a.
W18	4 45	25 29	2 47	0s14	0 20	15 13	2 25	20 19	1 19	4 25	1 13	2 4	2 50	23 17	0 10	17 4	1 30	29 4	16 38	22 45	22 53	11 21		n.a.
T 19	4 21	25 30	1 47	0 57	0 27	15 40	2 29	20 10	1 20	4 19	1 13	2 2	2 50	23 17	0 10	17 4	1 30	29 5	16 38	22 45	22 54	11 24		n.a.
F 20	3 57	24 11	0 41	1 41	0 34	16 6	2 33	20 1	1 20	4 14	1 13	2 0	2 50	23 17	0 11	17 4	1 30	29 5	16 38	22 45	22 54	11 27		n.a.
S 21	3 33	21 30	0s29	2 24	0 41	16 32	2 36	19 52	1 21	4 9	1 13	1 59	2 50	23 17	0 11	17 5	1 30	29 5	16 38	22 45	22 54	11 29		n.a.
S 22	3 9	17 32	1 40	3 7	0 47	16 57	2 40	19 43	1 21	4 3	1 13	1 57	2 50	23 17	0 11	17 5	1 30	29 5	16 38	22 45	22 55	11 32		n.a.
M23	2 45	12 27	2 47	3 49	0 54	17 22	2 43	19 33	1 21	3 58	1 13	1 55	2 51	23 17	0 11	17 6	1 30	29 6	16 38	22 46	22 55	11 34		n.a.
T 24	2 21	6 31	3 46	4 31	1 1	17 47	2 47	19 24	1 22	3 53	1 13	1 53	2 51	23 17	0 11	17 6	1 30	29 6	16 38	22 46	22 55	11 37		n.a.
W25	1 57	0 6	4 30	5 13	1 7	18 11	2 50	19 14	1 22	3 48	1 13	1 51	2 51	23 17	0 11	17 7	1 30	29 6	16 37	22 48	22 56	11 40		n.a.
T 26	1 33	6s24	4 56	5 54	1 14	18 35	2 54	19 4	1 23	3 42	1 13	1 49	2 51	23 17	0 11	17 7	1 30	29 6	16 37	22 49	22 56	11 42		n.a.
F 27	1 8	12 32	5 1	6 35	1 20	18 59	2 57	18 54	1 23	3 37	1 13	1 47	2 51	23 17	0 11	17 7	1 30	29 6	16 37	22 50	22 57	11 45		n.a.
S 28	0 44	17 50	4 45	7 15	1 26	19 22	3 0	18 44	1 23	3 32	1 13	1 45	2 51	23 17	0 11	17 8	1 29	29 7	16 37	22 51	22 57	11 47		n.a.
S 29	0 20	21 56	4 9	7 55	1 32	19 44	3 3	18 34	1 24	3 26	1 13	1 43	2 51	23 17	0 11	17 8	1 29	29 7	16 37	22 52	22 57	11 50		n.a.
M30	0s 4	24s33	3s19	8s34	1s38	20s 6	3s 6	18n24	1n24	3n21	1n13	1n41	2s51	23n17	0n11	17s 9	1n29	29s 7	16s36	22s53	22s58	11n53		n.a.

Julian Day Number = 1483158.5, Delta T = 05h20m59s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'58, Lahiri = -12°57'58 Julian Calendar 1 Sept. 653 BCE == Greg. Calendar 25 Aug. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

OCTOBER 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 11 28	1♎11'19	18♐10	19♎10	18♏ 1	13♌56	24♍39	10°R39	16°R47	22♏15	24°R22	15°R19	14♑34	18♈ 5	n.a.	T 1
W 2	0 15 24	2°11'41	1♑40	20°36	19° 5	14°32	24°52	10♈35	16♊47	22°17	24♒21	15°D18	14°31	18°11	n.a.	W 2
T 3	0 19 21	3°12'03	14°46	22° 0	20°10	15° 9	25° 5	10°30	16°46	22°19	24°20	15°R18	14°28	18°18	n.a.	T 3
F 4	0 23 18	4°12'28	27°33	23°24	21°13	15°45	25°19	10°25	16°46	22°20	24°19	15♑18	14°25	18°25	n.a.	F 4
S 5	0 27 14	5°12'54	10♒ 3	24°47	22°17	16°22	25°32	10°20	16°46	22°22	24°18	15°15	14°21	18°32	n.a.	S 5
S 6	0 31 11	6°13'21	22°21	26° 8	23°20	16°58	25°45	10°15	16°46	22°24	24°17	15°11	14°18	18°38	n.a.	S 6
M 7	0 35 7	7°13'50	4♓30	27°29	24°23	17°35	25°58	10°10	16°45	22°25	24°16	15° 3	14°15	18°45	n.a.	M 7
T 8	0 39 4	8°14'21	16°32	28°49	25°26	18°11	26°11	10° 5	16°45	22°27	24°16	14°52	14°12	18°52	n.a.	T 8
W 9	0 43 0	9°14'53	28°30	0♏ 8	26°28	18°47	26°24	10° 0	16°44	22°29	24°15	14°38	14° 9	18°58	n.a.	W 9
T 10	0 46 57	10°15'26	10♈25	1°25	27°30	19°24	26°37	9°55	16°44	22°31	24°14	14°24	14° 6	19° 5	n.a.	T 10
F 11	0 50 53	11°16'02	22°17	2°40	28°32	20° 0	26°50	9°50	16°43	22°32	24°13	14° 9	14° 2	19°12	n.a.	F 11
S 12	0 54 50	12°16'39	4♉10	3°54	29°34	20°36	27° 3	9°45	16°42	22°34	24°12	13°55	13°59	19°19	n.a.	S 12
S 13	0 58 46	13°17'18	16° 3	5° 6	0♐35	21°13	27°16	9°40	16°42	22°36	24°12	13°43	13°56	19°25	n.a.	S 13
M14	1 2 43	14°17'58	27°59	6°16	1°35	21°49	27°29	9°35	16°41	22°38	24°11	13°33	13°53	19°32	n.a.	M14
T 15	1 6 40	15°18'41	10♊ 1	7°23	2°36	22°25	27°42	9°31	16°40	22°40	24°10	13°27	13°50	19°39	n.a.	T 15
W16	1 10 36	16°19'25	22°12	8°27	3°35	23° 1	27°55	9°26	16°39	22°42	24°10	13°23	13°47	19°45	n.a.	W16
T 17	1 14 33	17°20'11	4♋37	9°29	4°35	23°37	28° 8	9°21	16°38	22°44	24° 9	13°22	13°43	19°52	n.a.	T 17
F 18	1 18 29	18°20'58	17°20	10°26	5°34	24°13	28°21	9°16	16°37	22°46	24° 8	13°22	13°40	19°59	n.a.	F 18
S 19	1 22 26	19°21'47	0♌26	11°20	6°33	24°49	28°33	9°11	16°36	22°47	24° 8	13°22	13°37	20° 6	n.a.	S 19
S 20	1 26 22	20°22'38	13°59	12° 8	7°31	25°25	28°46	9° 6	16°35	22°49	24° 7	13°20	13°34	20°12	n.a.	S 20
M21	1 30 19	21°23'31	28° 1	12°52	8°28	26° 1	28°59	9° 1	16°34	22°51	24° 7	13°16	13°31	20°19	n.a.	M21
T 22	1 34 15	22°24'25	12♍32	13°30	9°26	26°37	29°11	8°57	16°33	22°53	24° 6	13°10	13°27	20°26	n.a.	T 22
W23	1 38 12	23°25'20	27°29	14° 1	10°22	27°13	29°24	8°52	16°32	22°55	24° 5	13° 0	13°24	20°33	n.a.	W23
T 24	1 42 9	24°26'17	12♎43	14°24	11°18	27°49	29°37	8°47	16°31	22°58	24° 5	12°49	13°21	20°39	n.a.	T 24
F 25	1 46 5	25°27'16	28° 5	14°39	12°14	28°25	29°49	8°43	16°29	23° 0	24° 4	12°38	13°18	20°46	n.a.	F 25
S 26	1 50 2	26°28'15	13♏23	14°R46	13° 9	29° 1	0♎ 2	8°38	16°28	23° 2	24° 4	12°27	13°15	20°53	n.a.	S 26
S 27	1 53 58	27°29'16	28°24	14°42	14° 3	29°36	0°14	8°34	16°26	23° 4	24° 4	12°19	13°12	20°59	n.a.	S 27
M28	1 57 55	28°30'18	13♐ 2	14°28	14°57	0♍12	0°27	8°29	16°25	23° 6	24° 3	12°13	13° 8	21° 6	n.a.	M28
T 29	2 1 51	29°31'20	27°11	14° 3	15°50	0°48	0°39	8°25	16°23	23° 8	24° 3	12°10	13° 5	21°13	n.a.	T 29
W30	2 5 48	0♏32'24	10♑50	13°27	16°43	1°23	0°52	8°20	16°22	23°10	24° 2	12°D 9	13° 2	21°20	n.a.	W30
T 31	2 9 45	1♏33'28	24♑ 2	12♏40	17♐35	1♍59	1♎ 4	8♈16	16♊20	23♏12	24♒ 2	12♑10	12♑59	21♈26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s29	25s32	2s18	9s13	1s44	20s28	3s 9	18n14	1n25	3n16	1n13	1n39	2s51	23n17	0n11	17s 9	1n29	29s 7	16s36	22s53	22s58	11n55			n.a.
W 2	0 53	24 57	1 12	9 51	1 50	20 49	3 12	18 3	1 25	3 11	1 13	1 38	2 51	23 17	0 11	17 10	1 29	29 7	16 36	22 53	22 58	11 58			n.a.
T 3	1 17	22 59	0 3	10 28	1 55	21 9	3 15	17 53	1 26	3 5	1 13	1 36	2 51	23 17	0 11	17 10	1 29	29 7	16 36	22 53	22 59	12 0			n.a.
F 4	1 42	19 54	1n 4	11 5	2 1	21 29	3 17	17 42	1 26	3 0	1 13	1 34	2 51	23 17	0 11	17 10	1 29	29 7	16 36	22 53	22 59	12 3			n.a.
S 5	2 6	15 56	2 7	11 40	2 6	21 49	3 20	17 31	1 26	2 55	1 13	1 32	2 51	23 17	0 11	17 11	1 29	29 7	16 35	22 53	22 59	12 5			n.a.
S 6	2 30	11 23	3 2	12 15	2 10	22 8	3 23	17 21	1 27	2 49	1 13	1 30	2 51	23 17	0 11	17 11	1 29	29 8	16 35	22 54	23 0	12 8			n.a.
M 7	2 55	6 27	3 48	12 49	2 15	22 26	3 25	17 10	1 27	2 44	1 13	1 28	2 51	23 17	0 11	17 12	1 29	29 8	16 35	22 55	23 0	12 10			n.a.
T 8	3 19	1 20	4 24	13 22	2 19	22 44	3 27	16 59	1 28	2 39	1 13	1 26	2 51	23 17	0 11	17 12	1 29	29 8	16 35	22 56	23 0	12 13			n.a.
W 9	3 43	3n47	4 48	13 54	2 23	23 1	3 29	16 48	1 28	2 34	1 13	1 24	2 51	23 17	0 11	17 13	1 29	29 8	16 34	22 57	23 1	12 16			n.a.
T 10	4 7	8 44	4 58	14 25	2 27	23 18	3 31	16 36	1 28	2 28	1 13	1 22	2 51	23 17	0 11	17 13	1 29	29 8	16 34	22 59	23 1	12 18			n.a.
F 11	4 31	13 22	4 56	14 54	2 30	23 34	3 33	16 25	1 29	2 23	1 13	1 20	2 51	23 17	0 11	17 14	1 29	29 8	16 34	23 1	23 1	12 21			n.a.
S 12	4 55	17 29	4 41	15 23	2 32	23 50	3 35	16 14	1 29	2 18	1 13	1 18	2 51	23 17	0 11	17 14	1 29	29 8	16 34	23 2	23 2	12 23			n.a.
S 13	5 19	20 54	4 14	15 49	2 35	24 5	3 37	16 2	1 30	2 13	1 13	1 16	2 51	23 17	0 11	17 15	1 29	29 8	16 33	23 3	23 2	12 26			n.a.
M14	5 43	23 28	3 35	16 15	2 36	24 20	3 38	15 51	1 30	2 8	1 13	1 14	2 51	23 17	0 11	17 15	1 29	29 8	16 33	23 4	23 2	12 28			n.a.
T 15	6 7	25 0	2 46	16 38	2 37	24 33	3 40	15 39	1 30	2 3	1 13	1 12	2 51	23 17	0 11	17 16	1 29	29 8	16 33	23 5	23 3	12 31			n.a.
W16	6 30	25 22	1 49	17 0	2 38	24 47	3 41	15 28	1 31	1 57	1 13	1 10	2 51	23 17	0 11	17 16	1 29	29 8	16 32	23 5	23 3	12 33			n.a.
T 17	6 54	24 28	0 46	17 20	2 38	24 59	3 42	15 16	1 31	1 52	1 13	1 9	2 51	23 17	0 11	17 17	1 29	29 8	16 32	23 6	23 3	12 36			n.a.
F 18	7 17	22 17	0s21	17 38	2 37	25 11	3 43	15 4	1 32	1 47	1 13	1 7	2 51	23 16	0 11	17 18	1 29	29 8	16 32	23 6	23 4	12 38			n.a.
S 19	7 41	18 54	1 29	17 53	2 35	25 23	3 44	14 52	1 32	1 42	1 13	1 5	2 51	23 16	0 11	17 18	1 29	29 8	16 32	23 6	23 4	12 41			n.a.
S 20	8 4	14 24	2 34	18 6	2 32	25 33	3 44	14 40	1 32	1 37	1 13	1 3	2 51	23 16	0 11	17 19	1 29	29 8	16 31	23 6	23 4	12 43			n.a.
M21	8 27	9 1	3 32	18 16	2 28	25 43	3 45	14 28	1 33	1 32	1 13	1 1	2 50	23 16	0 11	17 19	1 29	29 8	16 31	23 6	23 5	12 46			n.a.
T 22	8 50	2 58	4 19	18 23	2 23	25 53	3 45	14 16	1 33	1 27	1 13	0 59	2 50	23 16	0 11	17 20	1 28	29 8	16 31	23 7	23 5	12 48			n.a.
W23	9 13	3s24	4 50	18 27	2 17	26 2	3 45	14 4	1 34	1 22	1 13	0 58	2 50	23 16	0 11	17 20	1 28	29 7	16 30	23 8	23 5	12 51			n.a.
T 24	9 36	9 42	5 1	18 27	2 10	26 10	3 45	13 52	1 34	1 17	1 13	0 56	2 50	23 16	0 11	17 21	1 28	29 7	16 30	23 9	23 6	12 53			n.a.
F 25	9 59	15 26	4 50	18 23	2 1	26 17	3 45	13 40	1 35	1 12	1 14	0 54	2 50	23 16	0 11	17 21	1 28	29 7	16 30	23 10	23 6	12 56			n.a.
S 26	10 21	20 10	4 18	18 15	1 51	26 24	3 45	13 28	1 35	1 7	1 14	0 52	2 50	23 16	0 11	17 22	1 28	29 7	16 29	23 11	23 6	12 58			n.a.
S 27	10 43	23 29	3 29	18 3	1 39	26 31	3 44	13 15	1 35	1 2	1 14	0 51	2 50	23 16	0 11	17 22	1 28	29 7	16 29	23 12	23 7	13 1			n.a.
M28	11 6	25 7	2 28	17 46	1 26	26 36	3 43	13 3	1 36	0 57	1 14	0 49	2 50	23 15	0 11	17 23	1 28	29 7	16 29	23 12	23 7	13 3			n.a.
T 29	11 27	25 3	1 19	17 24	1 11	26 41	3 42	12 50	1 36	0 52	1 14	0 47	2 49	23 15	0 11	17 24	1 28	29 7	16 28	23 13	23 7	13 6			n.a.
W30	11 49	23 26	0 7	16 57	0 54	26 46	3 41	12 38	1 37	0 47	1 14	0 46	2 49	23 15	0 11	17 24	1 28	29 6	16 28	23 13	23 8	13 8			n.a.
T 31	12s11	20s35	1n 3	16s26	0s36	26s50	3s39	12n25	1n37	0n42	1n14	0n44	2s49	23n15	0n11	17s25	1n28	29s 6	16s28	23s13	23s 8	13n11			n.a.

Julian Day Number = 1483188.5, Delta T = 05h20m58s
Ecliptic obliquity = 23°46'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'54, Lahiri = -12°57'54 Julian Calendar 1 Oct. 653 BCE == Greg. Calendar 24 Sept. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

NOVEMBER 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 13 41	2♏34'32	6♒49	11°R42	18♐26	2♍34	1♎16	8°R12	16°R19	23♏14	24°R 2	12°R10	12♑56	21♈33	n.a.	F 1
S 2	2 17 38	3°35'38	19°17	10♏35	19°16	3°10	1°28	8♈ 7	16♊17	23°16	24♒ 1	12♑ 8	12°53	21°40	n.a.	S 2
S 3	2 21 34	4°36'44	1♓31	9°21	20° 5	3°45	1°40	8° 3	16°15	23°19	24° 1	12° 5	12°49	21°47	n.a.	S 3
M 4	2 25 31	5°37'50	13°33	8° 1	20°54	4°20	1°52	7°59	16°14	23°21	24° 1	11°59	12°46	21°53	n.a.	M 4
T 5	2 29 27	6°38'58	25°30	6°38	21°42	4°56	2° 4	7°55	16°12	23°23	24° 1	11°50	12°43	22° 0	n.a.	T 5
W 6	2 33 24	7°40'05	7♈23	5°16	22°28	5°31	2°16	7°51	16°10	23°25	24° 0	11°39	12°40	22° 7	n.a.	W 6
T 7	2 37 20	8°41'14	19°15	3°56	23°14	6° 6	2°28	7°47	16° 8	23°27	24° 0	11°26	12°37	22°13	n.a.	T 7
F 8	2 41 17	9°42'23	1♉ 8	2°41	23°59	6°41	2°40	7°43	16° 6	23°30	24° 0	11°13	12°33	22°20	n.a.	F 8
S 9	2 45 13	10°43'33	13° 3	1°35	24°43	7°16	2°52	7°40	16° 4	23°32	24° 0	11° 1	12°30	22°27	n.a.	S 9
S 10	2 49 10	11°44'44	25° 2	0°37	25°26	7°51	3° 4	7°36	16° 2	23°34	24° 0	10°51	12°27	22°34	n.a.	S 10
M11	2 53 7	12°45'55	7♊ 6	29♎50	26° 7	8°26	3°15	7°32	16° 0	23°36	24° 0	10°43	12°24	22°40	n.a.	M11
T 12	2 57 3	13°47'07	19°16	29°14	26°48	9° 1	3°27	7°29	15°58	23°39	24° 0	10°38	12°21	22°47	n.a.	T 12
W13	3 1 0	14°48'20	1♋36	28°49	27°27	9°36	3°38	7°26	15°56	23°41	24° 0	10°36	12°18	22°54	n.a.	W13
T 14	3 4 56	15°49'33	14° 7	28°34	28° 5	10°11	3°50	7°22	15°54	23°43	24° 0	10°D35	12°14	23° 0	n.a.	T 14
F 15	3 8 53	16°50'47	26°52	28°D31	28°42	10°46	4° 1	7°19	15°52	23°45	24°D 0	10°36	12°11	23° 7	n.a.	F 15
S 16	3 12 49	17°52'02	9♌56	28°37	29°17	11°21	4°12	7°16	15°50	23°48	24° 0	10°37	12° 8	23°14	n.a.	S 16
S 17	3 16 46	18°53'17	23°22	28°52	29°51	11°55	4°24	7°13	15°47	23°50	24° 0	10°R37	12° 5	23°21	n.a.	S 17
M18	3 20 43	19°54'33	7♍12	29°15	0♑23	12°30	4°35	7°10	15°45	23°52	24° 0	10°36	12° 2	23°27	n.a.	M18
T 19	3 24 39	20°55'50	21°27	29°45	0°54	13° 4	4°46	7° 7	15°43	23°54	24° 0	10°32	11°58	23°34	n.a.	T 19
W20	3 28 36	21°57'07	6♎ 5	0♏23	1°24	13°39	4°57	7° 4	15°41	23°57	24° 0	10°27	11°55	23°41	n.a.	W20
T 21	3 32 32	22°58'25	21° 2	1° 6	1°51	14°13	5° 8	7° 2	15°38	23°59	24° 0	10°20	11°52	23°48	n.a.	T 21
F 22	3 36 29	23°59'43	6♏10	1°55	2°17	14°48	5°18	6°59	15°36	24° 1	24° 0	10°12	11°49	23°54	n.a.	F 22
S 23	3 40 25	25° 1'01	21°18	2°48	2°42	15°22	5°29	6°57	15°33	24° 3	24° 0	10° 5	11°46	24° 1	n.a.	S 23
S 24	3 44 22	26° 2'20	6♐17	3°45	3° 4	15°56	5°40	6°54	15°31	24° 6	24° 1	9°59	11°43	24° 8	n.a.	S 24
M25	3 48 18	27° 3'38	20°58	4°46	3°24	16°30	5°50	6°52	15°29	24° 8	24° 1	9°56	11°39	24°14	n.a.	M25
T 26	3 52 15	28° 4'57	5♑15	5°50	3°43	17° 4	6° 1	6°50	15°26	24°10	24° 1	9°D54	11°36	24°21	n.a.	T 26
W27	3 56 12	29° 6'15	19° 3	6°57	3°59	17°38	6°11	6°48	15°24	24°13	24° 1	9°54	11°33	24°28	n.a.	W27
T 28	4 0 8	0♐ 7'33	2♒24	8° 7	4°14	18°12	6°21	6°46	15°21	24°15	24° 2	9°56	11°30	24°35	n.a.	T 28
F 29	4 4 5	1° 8'50	15°19	9°19	4°26	18°46	6°31	6°44	15°19	24°17	24° 2	9°57	11°27	24°41	n.a.	F 29
S 30	4 8 1	2♐10'07	27♒52	10♏32	4♑35	19♍20	6♎41	6♈42	15♊16	24♏19	24♒ 2	9°R58	11♑24	24♈48	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s32	16s47	2n 7	15s50	0s17	26s53	3s38	12n13	1n37	0n37	1n14	0n43	2s49	23n15	0n11	17s25	1n28	29s 6	16s27	23s13	23s 8	13n13		n.a.
S 2	12 53	12 20	3 4	15 9	0n 3	26 55	3 36	12 0	1 38	0 32	1 14	0 41	2 49	23 15	0 11	17 26	1 28	29 6	16 27	23 13	23 8	13 16		n.a.
S 3	13 14	7 30	3 51	14 26	0 23	26 57	3 34	11 47	1 38	0 27	1 14	0 40	2 49	23 15	0 11	17 26	1 28	29 6	16 27	23 13	23 9	13 18		n.a.
M 4	13 35	2 27	4 27	13 41	0 44	26 58	3 31	11 35	1 39	0 23	1 14	0 38	2 48	23 14	0 11	17 27	1 28	29 5	16 26	23 14	23 9	13 20		n.a.
T 5	13 55	2n37	4 50	12 55	1 4	26 59	3 29	11 22	1 39	0 18	1 14	0 37	2 48	23 14	0 11	17 28	1 28	29 5	16 26	23 14	23 9	13 23		n.a.
W 6	14 16	7 34	5 2	12 9	1 23	26 59	3 26	11 9	1 39	0 13	1 14	0 35	2 48	23 14	0 11	17 28	1 28	29 5	16 26	23 15	23 10	13 25		n.a.
T 7	14 36	12 15	5 0	11 25	1 41	26 59	3 23	10 56	1 40	0 8	1 15	0 34	2 48	23 14	0 11	17 29	1 28	29 5	16 25	23 16	23 10	13 28		n.a.
F 8	14 55	16 28	4 45	10 45	1 57	26 57	3 19	10 44	1 40	0 4	1 15	0 33	2 48	23 14	0 11	17 29	1 28	29 4	16 25	23 18	23 10	13 30		n.a.
S 9	15 15	20 3	4 17	10 9	2 11	26 56	3 16	10 31	1 41	0s 1	1 15	0 31	2 47	23 13	0 11	17 30	1 28	29 4	16 25	23 19	23 11	13 33		n.a.
S 10	15 34	22 49	3 38	9 37	2 23	26 53	3 12	10 18	1 41	0 5	1 15	0 30	2 47	23 13	0 11	17 30	1 28	29 4	16 24	23 19	23 11	13 35		n.a.
M11	15 53	24 35	2 49	9 12	2 32	26 51	3 8	10 5	1 41	0 10	1 15	0 29	2 47	23 13	0 11	17 31	1 28	29 4	16 24	23 20	23 11	13 37		n.a.
T 12	16 12	25 11	1 52	8 52	2 40	26 47	3 3	9 52	1 42	0 15	1 15	0 28	2 47	23 13	0 11	17 32	1 28	29 3	16 24	23 20	23 12	13 40		n.a.
W13	16 30	24 34	0 48	8 38	2 45	26 43	2 58	9 39	1 42	0 19	1 15	0 27	2 47	23 13	0 12	17 32	1 28	29 3	16 23	23 21	23 12	13 42		n.a.
T 14	16 48	22 42	0s19	8 30	2 48	26 39	2 53	9 26	1 43	0 24	1 15	0 25	2 46	23 12	0 12	17 33	1 28	29 3	16 23	23 21	23 12	13 45		n.a.
F 15	17 6	19 40	1 26	8 27	2 50	26 34	2 48	9 13	1 43	0 28	1 15	0 24	2 46	23 12	0 12	17 33	1 28	29 2	16 23	23 21	23 12	13 47		n.a.
S 16	17 24	15 35	2 31	8 29	2 50	26 28	2 42	9 0	1 43	0 33	1 16	0 23	2 46	23 12	0 12	17 34	1 28	29 2	16 22	23 21	23 13	13 49		n.a.
S 17	17 41	10 38	3 29	8 35	2 49	26 22	2 36	8 47	1 44	0 37	1 16	0 22	2 46	23 12	0 12	17 34	1 28	29 2	16 22	23 21	23 13	13 52		n.a.
M18	17 58	5 1	4 17	8 46	2 47	26 16	2 29	8 34	1 44	0 41	1 16	0 21	2 45	23 12	0 12	17 35	1 28	29 1	16 22	23 21	23 13	13 54		n.a.
T 19	18 14	1s 0	4 51	8 59	2 44	26 9	2 22	8 21	1 44	0 46	1 16	0 20	2 45	23 11	0 12	17 36	1 28	29 1	16 21	23 21	23 14	13 57		n.a.
W20	18 31	7 8	5 6	9 16	2 40	26 1	2 15	8 8	1 45	0 50	1 16	0 20	2 45	23 11	0 12	17 36	1 28	29 1	16 21	23 21	23 14	13 59		n.a.
T 21	18 46	12 58	5 2	9 36	2 35	25 53	2 8	7 54	1 45	0 54	1 16	0 19	2 45	23 11	0 12	17 37	1 28	29 0	16 20	23 22	23 14	14 1		n.a.
F 22	19 2	18 6	4 37	9 58	2 29	25 45	2 0	7 41	1 46	0 58	1 16	0 18	2 44	23 11	0 12	17 37	1 28	29 0	16 20	23 23	23 14	14 4		n.a.
S 23	19 17	22 4	3 52	10 22	2 23	25 36	1 51	7 28	1 46	1 3	1 16	0 17	2 44	23 10	0 12	17 38	1 28	28 59	16 20	23 23	23 15	14 6		n.a.
S 24	19 32	24 29	2 52	10 48	2 17	25 27	1 43	7 15	1 46	1 7	1 17	0 17	2 44	23 10	0 12	17 38	1 28	28 59	16 19	23 24	23 15	14 9		n.a.
M25	19 47	25 8	1 41	11 15	2 10	25 17	1 33	7 2	1 47	1 11	1 17	0 16	2 44	23 10	0 12	17 39	1 28	28 59	16 19	23 24	23 15	14 11		n.a.
T 26	20 1	24 5	0 25	11 43	2 3	25 7	1 24	6 49	1 47	1 15	1 17	0 15	2 43	23 10	0 12	17 40	1 28	28 58	16 19	23 24	23 16	14 13		n.a.
W27	20 14	21 35	0n49	12 12	1 56	24 57	1 14	6 36	1 48	1 19	1 17	0 15	2 43	23 9	0 12	17 40	1 28	28 58	16 18	23 24	23 16	14 16		n.a.
T 28	20 28	17 58	1 59	12 42	1 48	24 46	1 3	6 23	1 48	1 23	1 17	0 14	2 43	23 9	0 12	17 41	1 28	28 57	16 18	23 24	23 16	14 18		n.a.
F 29	20 41	13 36	3 0	13 12	1 41	24 35	0 53	6 10	1 48	1 27	1 17	0 14	2 42	23 9	0 12	17 41	1 28	28 57	16 18	23 24	23 16	14 20		n.a.
S 30	20s53	8s46	3n51	13s43	1n33	24s23	0s42	5n57	1n49	1s31	1n17	0n13	2s42	23n 9	0n12	17s42	1n28	28s56	16s17	23s24	23s17	14n23		n.a.

Julian Day Number = 1483219.5, Delta T = 05h20m56s
Ecliptic obliquity = 23°46'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'50, Lahiri = -12°57'49 Julian Calendar 1 Nov. 653 BCE == Greg. Calendar 25 Oct. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 653 BCE
geocentric

DECEMBER 653 BCE (-652) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 11 58	3♐11'23	10♓ 8	11♏48	4♑43	19♍54	6♎51	6°R41	15°R14	24♏22	24♒ 3	9°R58	11♑20	24♈55	n.a.	S 1
M 2	4 15 54	4°12'39	22°11	13° 5	4°48	20°27	7° 1	6♈39	15♊11	24°24	24° 3	9♑56	11°17	25° 1	n.a.	M 2
T 3	4 19 51	5°13'55	4♈ 6	14°24	4°51	21° 1	7°11	6°38	15° 9	24°26	24° 4	9°53	11°14	25° 8	n.a.	T 3
W 4	4 23 48	6°15'10	15°58	15°44	4°R51	21°34	7°21	6°36	15° 6	24°28	24° 4	9°48	11°11	25°15	n.a.	W 4
T 5	4 27 44	7°16'24	27°49	17° 5	4°49	22° 8	7°30	6°35	15° 4	24°31	24° 5	9°42	11° 8	25°22	n.a.	T 5
F 6	4 31 41	8°17'38	9♉44	18°27	4°44	22°41	7°40	6°34	15° 1	24°33	24° 5	9°36	11° 4	25°28	n.a.	F 6
S 7	4 35 37	9°18'51	21°44	19°50	4°37	23°14	7°49	6°33	14°58	24°35	24° 6	9°30	11° 1	25°35	n.a.	S 7
S 8	4 39 34	10°20'04	3♊51	21°14	4°27	23°47	7°58	6°32	14°56	24°37	24° 6	9°25	10°58	25°42	n.a.	S 8
M 9	4 43 30	11°21'16	16° 7	22°39	4°15	24°20	8° 7	6°32	14°53	24°39	24° 7	9°22	10°55	25°48	n.a.	M 9
T 10	4 47 27	12°22'28	28°32	24° 5	4° 0	24°53	8°16	6°31	14°51	24°42	24° 7	9°20	10°52	25°55	n.a.	T 10
W11	4 51 23	13°23'39	11♋ 8	25°31	3°43	25°26	8°25	6°30	14°48	24°44	24° 8	9°D19	10°49	26° 2	n.a.	W11
T 12	4 55 20	14°24'50	23°55	26°58	3°23	25°59	8°34	6°30	14°45	24°46	24° 8	9°20	10°45	26° 9	n.a.	T 12
F 13	4 59 17	15°26'00	6♌56	28°26	3° 1	26°31	8°42	6°30	14°43	24°48	24° 9	9°21	10°42	26°15	n.a.	F 13
S 14	5 3 13	16°27'10	20°10	29°55	2°37	27° 4	8°51	6°30	14°40	24°50	24°10	9°23	10°39	26°22	n.a.	S 14
S 15	5 7 10	17°28'20	3♍40	1♐24	2°10	27°36	8°59	6°D30	14°38	24°52	24°11	9°24	10°36	26°29	n.a.	S 15
M16	5 11 6	18°29'28	17°27	2°53	1°42	28° 9	9° 7	6°30	14°35	24°55	24°11	9°R25	10°33	26°36	n.a.	M16
T 17	5 15 3	19°30'36	1♎31	4°24	1°12	28°41	9°15	6°30	14°32	24°57	24°12	9°25	10°30	26°42	n.a.	T 17
W18	5 18 59	20°31'44	15°50	5°55	0°40	29°13	9°23	6°30	14°30	24°59	24°13	9°23	10°26	26°49	n.a.	W18
T 19	5 22 56	21°32'51	0♏23	7°26	0° 6	29°45	9°31	6°31	14°27	25° 1	24°14	9°21	10°23	26°56	n.a.	T 19
F 20	5 26 52	22°33'58	15° 3	8°59	29♐32	0♎17	9°39	6°31	14°25	25° 3	24°14	9°19	10°20	27° 2	n.a.	F 20
S 21	5 30 49	23°35'04	29°46	10°31	28°56	0°49	9°47	6°32	14°22	25° 5	24°15	9°17	10°17	27° 9	n.a.	S 21
S 22	5 34 46	24°36'09	14♐24	12° 5	28°20	1°20	9°54	6°33	14°19	25° 7	24°16	9°15	10°14	27°16	n.a.	S 22
M23	5 38 42	25°37'13	28°50	13°39	27°43	1°52	10° 1	6°33	14°17	25° 9	24°17	9°14	10°10	27°23	n.a.	M23
T 24	5 42 39	26°38'16	12♑59	15°13	27° 6	2°23	10° 8	6°34	14°14	25°11	24°18	9°D14	10° 7	27°29	n.a.	T 24
W25	5 46 35	27°39'18	26°46	16°49	26°29	2°54	10°15	6°35	14°12	25°13	24°19	9°14	10° 4	27°36	n.a.	W25
T 26	5 50 32	28°40'18	10♒10	18°25	25°52	3°25	10°22	6°37	14° 9	25°15	24°20	9°15	10° 1	27°43	n.a.	T 26
F 27	5 54 28	29°41'17	23°10	20° 1	25°16	3°56	10°29	6°38	14° 7	25°17	24°21	9°16	9°58	27°49	n.a.	F 27
S 28	5 58 25	0♑42'14	5♓49	21°39	24°40	4°27	10°36	6°40	14° 4	25°19	24°22	9°17	9°55	27°56	n.a.	S 28
S 29	6 2 22	1°43'10	18°10	23°17	24° 6	4°58	10°42	6°41	14° 2	25°21	24°22	9°18	9°51	28° 3	n.a.	S 29
M30	6 6 18	2°44'05	0♈16	24°55	23°32	5°29	10°48	6°43	13°59	25°23	24°23	9°R18	9°48	28°10	n.a.	M30
T 31	6 10 15	3♑44'58	12♈13	26♐35	23♐ 0	5♎59	10♎54	6♈45	13♊57	25♏25	24♒25	9♑18	9♑45	28♈16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21s 5	3s43	4n30	14s14	1n25	24s11	0s30	5n43	1n49	1s35	1n18	0n13	2s42	23n 8	0n12	17s42	1n28	28s56	16s17	23s24	23s17	14n25			n.a.
M 2	21 17	1n23	4 56	14 46	1 17	23 59	0 18	5 30	1 49	1 38	1 18	0 13	2 42	23 8	0 12	17 43	1 28	28 55	16 17	23 24	23 17	14 27			n.a.
T 3	21 28	6 22	5 10	15 17	1 9	23 47	0 6	5 17	1 50	1 42	1 18	0 12	2 41	23 8	0 12	17 44	1 28	28 55	16 16	23 24	23 17	14 30			n.a.
W 4	21 39	11 6	5 9	15 48	1 1	23 34	0n 7	5 4	1 50	1 46	1 18	0 12	2 41	23 7	0 12	17 44	1 28	28 55	16 16	23 24	23 18	14 32			n.a.
T 5	21 50	15 26	4 56	16 19	0 53	23 21	0 20	4 51	1 51	1 49	1 18	0 12	2 41	23 7	0 12	17 45	1 28	28 54	16 16	23 25	23 18	14 34			n.a.
F 6	22 0	19 11	4 30	16 50	0 46	23 7	0 34	4 38	1 51	1 53	1 18	0 12	2 40	23 7	0 12	17 45	1 28	28 54	16 15	23 25	23 18	14 37			n.a.
S 7	22 9	22 10	3 51	17 20	0 38	22 54	0 48	4 25	1 51	1 57	1 18	0 12	2 40	23 7	0 12	17 46	1 28	28 53	16 15	23 26	23 19	14 39			n.a.
S 8	22 19	24 12	3 2	17 50	0 30	22 40	1 2	4 12	1 52	2 0	1 19	0 11	2 40	23 6	0 12	17 46	1 28	28 53	16 15	23 26	23 19	14 41			n.a.
M 9	22 27	25 5	2 4	18 20	0 22	22 26	1 17	3 59	1 52	2 4	1 19	0 11	2 39	23 6	0 12	17 47	1 28	28 52	16 14	23 26	23 19	14 44			n.a.
T 10	22 36	24 45	0 59	18 49	0 15	22 11	1 31	3 47	1 52	2 7	1 19	0 12	2 39	23 6	0 12	17 47	1 28	28 51	16 14	23 26	23 19	14 46			n.a.
W11	22 44	23 8	0s10	19 18	0 7	21 57	1 46	3 34	1 53	2 10	1 19	0 12	2 39	23 5	0 12	17 48	1 28	28 51	16 14	23 26	23 20	14 48			n.a.
T 12	22 51	20 19	1 19	19 46	0s 0	21 42	2 2	3 21	1 53	2 14	1 19	0 12	2 39	23 5	0 12	17 48	1 28	28 50	16 13	23 26	23 20	14 50			n.a.
F 13	22 58	16 27	2 26	20 13	0 8	21 28	2 17	3 8	1 54	2 17	1 19	0 12	2 38	23 5	0 12	17 49	1 28	28 50	16 13	23 26	23 20	14 53			n.a.
S 14	23 4	11 42	3 26	20 39	0 15	21 13	2 32	2 55	1 54	2 20	1 20	0 12	2 38	23 5	0 12	17 49	1 28	28 49	16 13	23 26	23 20	14 55			n.a.
S 15	23 10	6 19	4 16	21 5	0 22	20 58	2 48	2 43	1 54	2 23	1 20	0 12	2 38	23 4	0 12	17 50	1 28	28 49	16 12	23 26	23 21	14 57			n.a.
M16	23 16	0 33	4 53	21 30	0 29	20 43	3 3	2 30	1 55	2 27	1 20	0 13	2 37	23 4	0 12	17 50	1 28	28 48	16 12	23 26	23 21	15 0			n.a.
T 17	23 21	5s22	5 12	21 54	0 35	20 28	3 18	2 17	1 55	2 30	1 20	0 13	2 37	23 4	0 12	17 51	1 28	28 48	16 12	23 26	23 21	15 2			n.a.
W18	23 26	11 7	5 13	22 17	0 42	20 13	3 34	2 5	1 55	2 33	1 20	0 13	2 37	23 3	0 12	17 51	1 28	28 47	16 11	23 26	23 21	15 4			n.a.
T 19	23 30	16 21	4 54	22 39	0 48	19 58	3 49	1 52	1 56	2 36	1 21	0 14	2 36	23 3	0 12	17 52	1 28	28 47	16 11	23 26	23 22	15 6			n.a.
F 20	23 34	20 39	4 16	23 0	0 54	19 43	4 3	1 39	1 56	2 38	1 21	0 14	2 36	23 3	0 12	17 52	1 28	28 46	16 11	23 27	23 22	15 9			n.a.
S 21	23 37	23 39	3 21	23 20	1 0	19 29	4 18	1 27	1 56	2 41	1 21	0 15	2 36	23 3	0 12	17 53	1 28	28 45	16 10	23 27	23 22	15 11			n.a.
S 22	23 40	25 3	2 13	23 39	1 6	19 14	4 32	1 14	1 57	2 44	1 21	0 16	2 35	23 2	0 12	17 53	1 28	28 45	16 10	23 27	23 22	15 13			n.a.
M23	23 42	24 43	0 57	23 56	1 11	19 0	4 45	1 2	1 57	2 47	1 21	0 16	2 35	23 2	0 12	17 54	1 28	28 44	16 10	23 27	23 23	15 15			n.a.
T 24	23 44	22 47	0n21	24 13	1 17	18 47	4 58	0 50	1 57	2 49	1 22	0 17	2 35	23 2	0 12	17 54	1 28	28 44	16 9	23 27	23 23	15 18			n.a.
W25	23 45	19 32	1 36	24 28	1 22	18 33	5 10	0 37	1 58	2 52	1 22	0 18	2 34	23 1	0 12	17 55	1 28	28 43	16 9	23 27	23 23	15 20			n.a.
T 26	23 46	15 20	2 43	24 42	1 26	18 21	5 22	0 25	1 58	2 55	1 22	0 18	2 34	23 1	0 12	17 55	1 28	28 42	16 9	23 27	23 23	15 22			n.a.
F 27	23 46	10 31	3 40	24 54	1 31	18 9	5 33	0 13	1 58	2 57	1 22	0 19	2 34	23 1	0 12	17 56	1 28	28 42	16 9	23 27	23 24	15 24			n.a.
S 28	23 46	5 25	4 25	25 5	1 35	17 57	5 43	0 1	1 59	2 59	1 22	0 20	2 33	23 0	0 12	17 56	1 28	28 41	16 8	23 27	23 24	15 26			n.a.
S 29	23 46	0 13	4 56	25 15	1 39	17 46	5 53	0s11	1 59	3 2	1 23	0 21	2 33	23 0	0 12	17 57	1 28	28 41	16 8	23 27	23 24	15 29			n.a.
M30	23 45	4n53	5 13	25 23	1 43	17 36	6 2	0 23	1 59	3 4	1 23	0 22	2 33	23 0	0 12	17 57	1 28	28 40	16 8	23 27	23 24	15 31			n.a.
T 31	23s43	9n44	5n17	25s30	1s46	17s26	6n10	0s35	2n 0	3s 6	1n23	0n23	2s33	23n 0	0n12	17s57	1n28	28s39	16s 8	23s27	23s25	15n33			n.a.

Julian Day Number = 1483249.5, Delta T = 05h20m55s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'46, Lahiri = -12°57'45 Julian Calendar 1 Dec. 653 BCE == Greg. Calendar 24 Nov. 653 BCE

The year -652 astronomical counting style corresponds to year 653 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

JANUARY 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 14 11	4♉45'49	24♈ 5	28♐15	22°R30	6♎29	11♎ 0	6♈46	13°R55	25♏27	24♒26	9°R18	9♉42	28♈23	n.a.	W 1
T 2	6 18 8	5°46'39	5♉57	29°56	22♐ 1	7° 0	11° 6	6°48	13♊52	25°28	24°27	9♉17	9°39	28°30	n.a.	T 2
F 3	6 22 4	6°47'27	17°54	1♉37	21°34	7°30	11°12	6°51	13°50	25°30	24°28	9°17	9°36	28°36	n.a.	F 3
S 4	6 26 1	7°48'13	29°57	3°20	21° 9	7°59	11°17	6°53	13°48	25°32	24°29	9°17	9°32	28°43	n.a.	S 4
S 5	6 29 57	8°48'58	12♊12	5° 3	20°47	8°29	11°23	6°55	13°45	25°34	24°30	9°D16	9°29	28°50	n.a.	S 5
M 6	6 33 54	9°49'42	24°39	6°47	20°27	8°59	11°28	6°58	13°43	25°36	24°31	9°16	9°26	28°57	n.a.	M 6
T 7	6 37 51	10°50'23	7♋21	8°32	20° 9	9°28	11°33	7° 0	13°41	25°37	24°32	9°R16	9°23	29° 3	n.a.	T 7
W 8	6 41 47	11°51'04	20°18	10°17	19°54	9°57	11°38	7° 3	13°39	25°39	24°33	9°16	9°20	29°10	n.a.	W 8
T 9	6 45 44	12°51'42	3♌29	12° 4	19°41	10°26	11°42	7° 5	13°36	25°41	24°34	9°16	9°16	29°17	n.a.	T 9
F 10	6 49 40	13°52'19	16°54	13°51	19°30	10°55	11°47	7° 8	13°34	25°42	24°36	9°16	9°13	29°23	n.a.	F 10
S 11	6 53 37	14°52'55	0♍32	15°39	19°22	11°24	11°51	7°11	13°32	25°44	24°37	9°15	9°10	29°30	n.a.	S 11
S 12	6 57 33	15°53'29	14°20	17°28	19°17	11°52	11°55	7°14	13°30	25°46	24°38	9°14	9° 7	29°37	n.a.	S 12
M13	7 1 30	16°54'02	28°18	19°18	19°14	12°21	11°59	7°18	13°28	25°47	24°39	9°14	9° 4	29°44	n.a.	M13
T 14	7 5 26	17°54'33	12♎24	21° 8	19°D14	12°49	12° 3	7°21	13°26	25°49	24°40	9°D13	9° 1	29°50	n.a.	T 14
W15	7 9 23	18°55'03	26°34	22°59	19°16	13°17	12° 7	7°24	13°24	25°50	24°42	9°13	8°57	29°57	n.a.	W15
T 16	7 13 20	19°55'32	10♏49	24°50	19°20	13°44	12°10	7°28	13°22	25°52	24°43	9°14	8°54	0♉ 4	n.a.	T 16
F 17	7 17 16	20°55'59	25° 4	26°43	19°27	14°12	12°13	7°31	13°20	25°53	24°44	9°15	8°51	0°10	n.a.	F 17
S 18	7 21 13	21°56'25	9♐17	28°35	19°36	14°39	12°17	7°35	13°18	25°55	24°46	9°16	8°48	0°17	n.a.	S 18
S 19	7 25 9	22°56'49	23°25	0♒28	19°47	15° 6	12°19	7°39	13°16	25°56	24°47	9°17	8°45	0°24	n.a.	S 19
M20	7 29 6	23°57'11	7♉25	2°20	20° 0	15°33	12°22	7°43	13°15	25°58	24°48	9°R17	8°42	0°31	n.a.	M20
T 21	7 33 2	24°57'32	21°12	4°13	20°16	16° 0	12°25	7°46	13°13	25°59	24°50	9°17	8°38	0°37	n.a.	T 21
W22	7 36 59	25°57'51	4♒44	6° 6	20°33	16°26	12°27	7°51	13°11	26° 1	24°51	9°16	8°35	0°44	n.a.	W22
T 23	7 40 55	26°58'07	17°59	7°57	20°52	16°52	12°29	7°55	13° 9	26° 2	24°52	9°14	8°32	0°51	n.a.	T 23
F 24	7 44 52	27°58'22	0♓55	9°48	21°14	17°18	12°31	7°59	13° 8	26° 3	24°54	9°11	8°29	0°57	n.a.	F 24
S 25	7 48 49	28°58'35	13°34	11°38	21°37	17°44	12°33	8° 3	13° 6	26° 5	24°55	9° 8	8°26	1° 4	n.a.	S 25
S 26	7 52 45	29°58'45	25°56	13°26	22° 2	18° 9	12°35	8° 8	13° 5	26° 6	24°56	9° 5	8°22	1°11	n.a.	S 26
M27	7 56 42	0♒58'53	8♈ 4	15°12	22°28	18°34	12°36	8°12	13° 3	26° 7	24°58	9° 2	8°19	1°18	n.a.	M27
T 28	8 0 38	1°58'59	20° 3	16°56	22°56	18°59	12°38	8°17	13° 2	26° 8	24°59	9° 1	8°16	1°24	n.a.	T 28
W29	8 4 35	2°59'03	1♉56	18°37	23°26	19°24	12°39	8°21	13° 0	26° 9	25° 1	9°D 0	8°13	1°31	n.a.	W29
T 30	8 8 31	3°59'04	13°48	20°14	23°57	19°48	12°40	8°26	12°59	26°10	25° 2	9° 0	8°10	1°38	n.a.	T 30
F 31	8 12 28	4♒59'04	25♉44	21♒47	24♐30	20♎12	12♎40	8♈31	12♊57	26♏12	25♒ 3	9♉ 2	8♉ 7	1♉44	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	23s41	14n12	5n 7	25s35	1s49	17s17	6n17	0s47	2n 0	3s 8	1n23	0n24	2s32	22n59	0n12	17s58	1n28	28s39	16s 7	23s27	23s25	15n35		n.a.	
T 2	23 39	18 8	4 43	25 39	1 52	17 9	6 23	0 59	2 0	3 11	1 23	0 25	2 32	22 59	0 12	17 58	1 28	28 38	16 7	23 27	23 25	15 38		n.a.	
F 3	23 36	21 22	4 8	25 40	1 55	17 2	6 29	1 10	2 1	3 13	1 24	0 26	2 32	22 59	0 12	17 59	1 28	28 38	16 7	23 27	23 25	15 40		n.a.	
S 4	23 32	23 42	3 21	25 40	1 57	16 56	6 34	1 22	2 1	3 15	1 24	0 27	2 31	22 58	0 12	17 59	1 28	28 37	16 6	23 27	23 26	15 42		n.a.	
S 5	23 29	24 58	2 25	25 39	1 58	16 50	6 38	1 34	2 1	3 16	1 24	0 29	2 31	22 58	0 12	18 0	1 28	28 36	16 6	23 27	23 26	15 44		n.a.	
M 6	23 24	25 0	1 20	25 35	2 0	16 45	6 41	1 45	2 1	3 18	1 24	0 30	2 31	22 58	0 12	18 0	1 28	28 36	16 6	23 27	23 26	15 46		n.a.	
T 7	23 19	23 45	0 11	25 30	2 0	16 41	6 44	1 56	2 2	3 20	1 24	0 31	2 30	22 58	0 12	18 0	1 28	28 35	16 6	23 27	23 26	15 48		n.a.	
W 8	23 14	21 13	1s 1	25 23	2 1	16 38	6 46	2 8	2 2	3 22	1 25	0 32	2 30	22 57	0 12	18 1	1 28	28 34	16 6	23 27	23 26	15 51		n.a.	
T 9	23 9	17 32	2 10	25 13	2 1	16 36	6 47	2 19	2 2	3 23	1 25	0 34	2 30	22 57	0 12	18 1	1 28	28 34	16 5	23 27	23 27	15 53		n.a.	
F 10	23 2	12 55	3 14	25 2	2 0	16 35	6 48	2 30	2 3	3 25	1 25	0 35	2 30	22 57	0 12	18 1	1 28	28 33	16 5	23 27	23 27	15 55		n.a.	
S 11	22 56	7 35	4 7	24 49	1 59	16 34	6 48	2 41	2 3	3 27	1 25	0 37	2 29	22 57	0 12	18 2	1 28	28 33	16 5	23 27	23 27	15 57		n.a.	
S 12	22 49	1 50	4 48	24 34	1 58	16 34	6 47	2 52	2 3	3 28	1 26	0 38	2 29	22 56	0 12	18 2	1 28	28 32	16 5	23 27	23 27	15 59		n.a.	
M13	22 41	4s 4	5 11	24 17	1 56	16 35	6 46	3 3	2 3	3 29	1 26	0 40	2 29	22 56	0 12	18 3	1 28	28 31	16 4	23 27	23 28	16 1		n.a.	
T 14	22 33	9 48	5 16	23 57	1 53	16 36	6 45	3 14	2 4	3 31	1 26	0 41	2 28	22 56	0 12	18 3	1 28	28 31	16 4	23 27	23 28	16 4		n.a.	
W15	22 25	15 4	5 2	23 36	1 50	16 38	6 43	3 25	2 4	3 32	1 26	0 43	2 28	22 56	0 12	18 3	1 29	28 30	16 4	23 27	23 28	16 6		n.a.	
T 16	22 16	19 32	4 30	23 12	1 46	16 41	6 41	3 36	2 4	3 33	1 26	0 45	2 28	22 55	0 12	18 4	1 29	28 29	16 4	23 27	23 28	16 8		n.a.	
F 17	22 7	22 52	3 41	22 47	1 42	16 44	6 38	3 46	2 4	3 34	1 27	0 46	2 27	22 55	0 12	18 4	1 29	28 29	16 4	23 27	23 28	16 10		n.a.	
S 18	21 58	24 46	2 39	22 19	1 37	16 48	6 35	3 57	2 4	3 35	1 27	0 48	2 27	22 55	0 12	18 4	1 29	28 28	16 3	23 27	23 29	16 12		n.a.	
S 19	21 47	25 3	1 27	21 49	1 32	16 52	6 31	4 7	2 5	3 36	1 27	0 50	2 27	22 55	0 12	18 5	1 29	28 27	16 3	23 27	23 29	16 14		n.a.	
M20	21 37	23 44	0 10	21 18	1 25	16 57	6 27	4 17	2 5	3 37	1 27	0 52	2 27	22 54	0 12	18 5	1 29	28 27	16 3	23 27	23 29	16 16		n.a.	
T 21	21 26	21 0	1n 5	20 44	1 18	17 2	6 23	4 27	2 5	3 38	1 28	0 53	2 26	22 54	0 12	18 5	1 29	28 26	16 3	23 27	23 29	16 18		n.a.	
W22	21 15	17 9	2 16	20 9	1 11	17 8	6 19	4 38	2 5	3 38	1 28	0 55	2 26	22 54	0 12	18 5	1 29	28 26	16 3	23 27	23 29	16 21		n.a.	
T 23	21 3	12 31	3 18	19 32	1 2	17 14	6 14	4 47	2 5	3 39	1 28	0 57	2 26	22 54	0 12	18 6	1 29	28 25	16 3	23 27	23 30	16 23		n.a.	
F 24	20 51	7 27	4 8	18 54	0 53	17 20	6 9	4 57	2 6	3 40	1 28	0 59	2 26	22 54	0 12	18 6	1 29	28 24	16 2	23 27	23 30	16 25		n.a.	
S 25	20 39	2 11	4 44	18 14	0 43	17 27	6 4	5 7	2 6	3 40	1 29	1 1	2 25	22 53	0 12	18 6	1 29	28 24	16 2	23 27	23 30	16 27		n.a.	
S 26	20 26	3n 2	5 6	17 33	0 33	17 34	5 59	5 17	2 6	3 41	1 29	1 3	2 25	22 53	0 12	18 7	1 29	28 23	16 2	23 27	23 30	16 29		n.a.	
M27	20 13	8 3	5 15	16 51	0 22	17 41	5 53	5 26	2 6	3 41	1 29	1 5	2 25	22 53	0 12	18 7	1 29	28 22	16 2	23 28	23 31	16 31		n.a.	
T 28	20 0	12 42	5 9	16 8	0 10	17 48	5 48	5 36	2 6	3 41	1 29	1 7	2 24	22 53	0 12	18 7	1 29	28 22	16 2	23 28	23 31	16 33		n.a.	
W29	19 46	16 50	4 50	15 25	0n 2	17 55	5 42	5 45	2 6	3 42	1 29	1 9	2 24	22 53	0 12	18 7	1 29	28 21	16 2	23 28	23 31	16 35		n.a.	
T 30	19 32	20 18	4 19	14 42	0 15	18 2	5 36	5 54	2 6	3 42	1 30	1 11	2 24	22 52	0 12	18 7	1 29	28 21	16 2	23 28	23 31	16 37		n.a.	
F 31	19s17	22n57	3n36	14s 0	0n28	18s10	5n30	6s 3	2n 7	3s42	1n30	1n14	2s24	22n52	0n12	18s 8	1n29	28s20	16s 2	23s28	23s31	16n39		n.a.	

Julian Day Number = 1483280.5, Delta T = 05h20m53s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'41, Lahiri = -12°57'41 Julian Calendar 1 Jan. 652 BCE == Greg. Calendar 25 Dec. 653 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

FEBRUARY 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 16 24	5♒59'01	7♊48	23♒16	25♐ 4	20♎36	12♎41	8♈36	12°R56	26♏13	25♒ 5	9♑ 3	8♑ 3	1♉51	n.a.	S 1
S 2	8 20 21	6°58'56	20° 6	24°39	25°39	20°59	12°41	8°41	12♊55	26°14	25° 6	9° 5	8° 0	1°58	n.a.	S 2
M 3	8 24 18	7°58'48	2♋41	25°57	26°16	21°22	12°R41	8°46	12°54	26°15	25° 8	9°R 6	7°57	2° 5	n.a.	M 3
T 4	8 28 14	8°58'38	15°35	27° 8	26°54	21°45	12°41	8°51	12°53	26°16	25° 9	9° 6	7°54	2°11	n.a.	T 4
W 5	8 32 11	9°58'26	28°50	28°13	27°33	22° 8	12°41	8°56	12°52	26°17	25°11	9° 5	7°51	2°18	n.a.	W 5
T 6	8 36 7	10°58'12	12♌24	29°10	28°13	22°30	12°41	9° 2	12°50	26°18	25°12	9° 2	7°48	2°25	n.a.	T 6
F 7	8 40 4	11°57'56	26°17	0♓ 0	28°55	22°52	12°40	9° 7	12°49	26°18	25°14	8°57	7°44	2°31	n.a.	F 7
S 8	8 44 0	12°57'38	10♍24	0°43	29°37	23°14	12°39	9°13	12°49	26°19	25°15	8°52	7°41	2°38	n.a.	S 8
S 9	8 47 57	13°57'17	24°40	1°17	0♑20	23°35	12°38	9°18	12°48	26°20	25°16	8°47	7°38	2°45	n.a.	S 9
M10	8 51 53	14°56'55	9♎ 1	1°42	1° 5	23°56	12°37	9°24	12°47	26°21	25°18	8°42	7°35	2°52	n.a.	M10
T 11	8 55 50	15°56'31	23°21	2° 0	1°50	24°16	12°36	9°30	12°46	26°22	25°19	8°38	7°32	2°58	n.a.	T 11
W12	8 59 47	16°56'05	7♏38	2° 9	2°36	24°36	12°34	9°35	12°45	26°22	25°21	8°36	7°28	3° 5	n.a.	W12
T 13	9 3 43	17°55'37	21°48	2°R 9	3°24	24°56	12°32	9°41	12°45	26°23	25°22	8°D36	7°25	3°12	n.a.	T 13
F 14	9 7 40	18°55'08	5♐49	2° 2	4°12	25°15	12°30	9°47	12°44	26°24	25°24	8°37	7°22	3°18	n.a.	F 14
S 15	9 11 36	19°54'36	19°41	1°47	5° 0	25°34	12°28	9°53	12°43	26°24	25°25	8°38	7°19	3°25	n.a.	S 15
S 16	9 15 33	20°54'03	3♑23	1°24	5°50	25°53	12°26	9°59	12°43	26°25	25°27	8°R39	7°16	3°32	n.a.	S 16
M17	9 19 29	21°53'28	16°55	0°55	6°40	26°11	12°24	10° 5	12°42	26°26	25°28	8°39	7°13	3°39	n.a.	M17
T 18	9 23 26	22°52'51	0♒16	0°20	7°31	26°29	12°21	10°11	12°42	26°26	25°30	8°37	7° 9	3°45	n.a.	T 18
W19	9 27 22	23°52'11	13°25	29♒40	8°23	26°46	12°18	10°18	12°42	26°27	25°31	8°33	7° 6	3°52	n.a.	W19
T 20	9 31 19	24°51'30	26°22	28°55	9°15	27° 3	12°15	10°24	12°41	26°27	25°33	8°26	7° 3	3°59	n.a.	T 20
F 21	9 35 15	25°50'46	9♓ 6	28° 8	10° 8	27°19	12°12	10°30	12°41	26°28	25°34	8°18	7° 0	4° 5	n.a.	F 21
S 22	9 39 12	26°50'00	21°36	27°18	11° 1	27°35	12° 9	10°37	12°41	26°28	25°36	8° 9	6°57	4°12	n.a.	S 22
S 23	9 43 9	27°49'12	3♈54	26°27	11°55	27°50	12° 5	10°43	12°41	26°28	25°37	8° 0	6°54	4°19	n.a.	S 23
M24	9 47 5	28°48'21	16° 0	25°35	12°50	28° 5	12° 1	10°50	12°40	26°29	25°39	7°52	6°50	4°26	n.a.	M24
T 25	9 51 2	29°47'29	27°57	24°45	13°45	28°20	11°58	10°56	12°D40	26°29	25°40	7°45	6°47	4°32	n.a.	T 25
W26	9 54 58	0♓46'33	9♉49	23°56	14°40	28°33	11°53	11° 3	12°40	26°29	25°42	7°40	6°44	4°39	n.a.	W26
T 27	9 58 55	1°45'36	21°40	23°10	15°36	28°47	11°49	11° 9	12°40	26°29	25°43	7°38	6°41	4°46	n.a.	T 27
F 28	10 2 51	2♓44'36	3♊34	22♒28	16♑33	29♎ 0	11♎45	11♈16	12♊41	26♏30	25♒45	7°D37	6♑38	4♉52	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19s 2	24n36	2n43	13s17	0n42	18s17	5n24	6s12	2n 7	3s42	1n30	1n16	2s23	22n52	0n12	18s 8	1n29	28s19	16s 1	23s28	23s32	16n41		n.a.
S 2	18 47	25 6	1 42	12 36	0 56	18 25	5 17	6 21	2 7	3 42	1 30	1 18	2 23	22 52	0 12	18 8	1 29	28 19	16 1	23 27	23 32	16 43		n.a.
M 3	18 32	24 20	0 35	11 56	1 11	18 32	5 11	6 30	2 7	3 42	1 31	1 20	2 23	22 52	0 12	18 8	1 29	28 18	16 1	23 27	23 32	16 45		n.a.
T 4	18 16	22 16	0s35	11 18	1 25	18 40	5 5	6 38	2 7	3 41	1 31	1 23	2 23	22 52	0 12	18 9	1 29	28 17	16 1	23 27	23 32	16 47		n.a.
W 5	18 0	18 57	1 46	10 42	1 40	18 47	4 58	6 47	2 7	3 41	1 31	1 25	2 22	22 52	0 12	18 9	1 29	28 17	16 1	23 28	23 32	16 50		n.a.
T 6	17 43	14 34	2 52	10 9	1 54	18 54	4 52	6 55	2 7	3 41	1 31	1 27	2 22	22 51	0 12	18 9	1 29	28 16	16 1	23 28	23 32	16 52		n.a.
F 7	17 27	9 20	3 49	9 38	2 8	19 1	4 45	7 3	2 7	3 40	1 32	1 30	2 22	22 51	0 12	18 9	1 29	28 16	16 1	23 28	23 33	16 54		n.a.
S 8	17 10	3 34	4 34	9 10	2 22	19 8	4 38	7 11	2 7	3 40	1 32	1 32	2 22	22 51	0 12	18 9	1 29	28 15	16 1	23 28	23 33	16 56		n.a.
S 9	16 52	2s27	5 2	8 46	2 35	19 15	4 31	7 19	2 7	3 39	1 32	1 34	2 22	22 51	0 12	18 9	1 29	28 14	16 1	23 29	23 33	16 58		n.a.
M10	16 35	8 22	5 11	8 25	2 47	19 21	4 25	7 27	2 7	3 38	1 32	1 37	2 21	22 51	0 12	18 10	1 29	28 14	16 1	23 29	23 33	17 0		n.a.
T 11	16 17	13 50	5 1	8 8	2 59	19 28	4 18	7 35	2 7	3 38	1 32	1 39	2 21	22 51	0 12	18 10	1 30	28 13	16 1	23 29	23 33	17 2		n.a.
W12	15 59	18 32	4 32	7 55	3 9	19 34	4 11	7 42	2 7	3 37	1 33	1 42	2 21	22 51	0 12	18 10	1 30	28 13	16 1	23 29	23 34	17 4		n.a.
T 13	15 40	22 7	3 47	7 46	3 19	19 40	4 4	7 49	2 7	3 36	1 33	1 44	2 21	22 51	0 12	18 10	1 30	28 12	16 1	23 29	23 34	17 6		n.a.
F 14	15 22	24 21	2 49	7 41	3 27	19 45	3 58	7 57	2 7	3 35	1 33	1 47	2 20	22 51	0 12	18 10	1 30	28 12	16 1	23 29	23 34	17 8		n.a.
S 15	15 3	25 3	1 41	7 40	3 34	19 50	3 51	8 4	2 6	3 34	1 33	1 49	2 20	22 50	0 12	18 10	1 30	28 11	16 1	23 29	23 34	17 10		n.a.
S 16	14 44	24 12	0 29	7 43	3 39	19 55	3 44	8 11	2 6	3 33	1 33	1 52	2 20	22 50	0 12	18 10	1 30	28 10	16 0	23 29	23 34	17 12		n.a.
M17	14 24	21 57	0n45	7 50	3 43	19 59	3 37	8 17	2 6	3 32	1 34	1 55	2 20	22 50	0 12	18 10	1 30	28 10	16 0	23 29	23 34	17 14		n.a.
T 18	14 5	18 31	1 54	8 1	3 44	20 4	3 30	8 24	2 6	3 31	1 34	1 57	2 20	22 50	0 12	18 10	1 30	28 9	16 0	23 29	23 35	17 16		n.a.
W19	13 45	14 13	2 57	8 15	3 44	20 7	3 23	8 30	2 6	3 29	1 34	2 0	2 19	22 50	0 12	18 10	1 30	28 9	16 0	23 30	23 35	17 18		n.a.
T 20	13 25	9 19	3 49	8 32	3 42	20 11	3 17	8 37	2 6	3 28	1 34	2 3	2 19	22 50	0 12	18 11	1 30	28 8	16 0	23 30	23 35	17 20		n.a.
F 21	13 5	4 8	4 28	8 52	3 39	20 14	3 10	8 43	2 5	3 26	1 34	2 5	2 19	22 50	0 12	18 11	1 30	28 8	16 0	23 31	23 35	17 22		n.a.
S 22	12 44	1n 7	4 54	9 15	3 33	20 16	3 3	8 49	2 5	3 25	1 35	2 8	2 19	22 50	0 12	18 11	1 30	28 7	16 0	23 31	23 35	17 24		n.a.
S 23	12 24	6 14	5 6	9 39	3 26	20 18	2 56	8 55	2 5	3 23	1 35	2 11	2 19	22 50	0 12	18 11	1 30	28 7	16 0	23 32	23 36	17 25		n.a.
M24	12 3	11 2	5 3	10 5	3 17	20 20	2 50	9 0	2 4	3 22	1 35	2 14	2 18	22 50	0 12	18 11	1 30	28 6	16 1	23 32	23 36	17 27		n.a.
T 25	11 42	15 22	4 48	10 31	3 7	20 21	2 43	9 6	2 4	3 20	1 35	2 16	2 18	22 50	0 12	18 11	1 30	28 6	16 1	23 33	23 36	17 29		n.a.
W26	11 21	19 4	4 20	10 59	2 55	20 22	2 37	9 11	2 4	3 18	1 35	2 19	2 18	22 50	0 12	18 11	1 30	28 5	16 1	23 33	23 36	17 31		n.a.
T 27	11 0	21 59	3 41	11 26	2 42	20 22	2 30	9 16	2 3	3 17	1 36	2 22	2 18	22 50	0 12	18 11	1 30	28 5	16 1	23 33	23 36	17 33		n.a.
F 28	10s38	23n59	2n52	11s53	2n29	20s22	2n23	9s21	2n 3	3s15	1n36	2n25	2s18	22n50	0n12	18s11	1n30	28s 4	16s 1	23s33	23s36	17n35		n.a.

Julian Day Number = 1483311.5, Delta T = 05h20m52s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'37, Lahiri = -12°57'37 Julian Calendar 1 Feb. 652 BCE == Greg. Calendar 25 Jan. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

MARCH 652 BCE (-651) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 6 48	3♓43'33	15♊37	21°R49	17♉30	29♎12	11°R40	11♈23	12♊41	26♏30	25♒46	7♉38	6♉34	4♉59	n.a.	S 1
S 2	10 10 44	4°42'29	27°54	21♒15	18°27	29°24	11♎36	11°30	12°41	26°30	25°48	7°39	6°31	5° 6	n.a.	S 2
M 3	10 14 41	5°41'22	10♋30	20°46	19°25	29°35	11°31	11°37	12°41	26°30	25°49	7°R39	6°28	5°12	n.a.	M 3
T 4	10 18 38	6°40'12	23°29	20°22	20°24	29°45	11°26	11°44	12°42	26°30	25°51	7°38	6°25	5°19	n.a.	T 4
W 5	10 22 34	7°39'00	6♌53	20° 4	21°22	29°55	11°21	11°51	12°42	26°30	25°52	7°34	6°22	5°26	n.a.	W 5
T 6	10 26 31	8°37'46	20°42	19°50	22°21	0♏ 5	11°16	11°58	12°42	26°R30	25°54	7°29	6°19	5°33	n.a.	T 6
F 7	10 30 27	9°36'30	4♍56	19°43	23°21	0°14	11°10	12° 5	12°43	26°30	25°55	7°21	6°15	5°39	n.a.	F 7
S 8	10 34 24	10°35'11	19°28	19°D40	24°21	0°22	11° 5	12°12	12°43	26°30	25°57	7°11	6°12	5°46	n.a.	S 8
S 9	10 38 20	11°33'50	4♎13	19°43	25°21	0°29	10°59	12°19	12°44	26°30	25°58	7° 1	6° 9	5°53	n.a.	S 9
M10	10 42 17	12°32'28	19° 1	19°52	26°21	0°36	10°53	12°26	12°45	26°30	26° 0	6°52	6° 6	5°59	n.a.	M10
T 11	10 46 13	13°31'04	3♏44	20° 5	27°22	0°43	10°47	12°33	12°45	26°30	26° 1	6°45	6° 3	6° 6	n.a.	T 11
W12	10 50 10	14°29'37	18°17	20°23	28°23	0°48	10°41	12°41	12°46	26°29	26° 3	6°40	5°59	6°13	n.a.	W12
T 13	10 54 6	15°28'10	2♐35	20°46	29°25	0°53	10°35	12°48	12°47	26°29	26° 4	6°37	5°56	6°20	n.a.	T 13
F 14	10 58 3	16°26'40	16°36	21°13	0♒26	0°58	10°29	12°55	12°48	26°29	26° 6	6°D37	5°53	6°26	n.a.	F 14
S 15	11 2 0	17°25'09	0♑19	21°44	1°28	1° 1	10°22	13° 3	12°49	26°29	26° 7	6°R37	5°50	6°33	n.a.	S 15
S 16	11 5 56	18°23'36	13°46	22°20	2°31	1° 4	10°16	13°10	12°50	26°28	26° 8	6°37	5°47	6°40	n.a.	S 16
M17	11 9 53	19°22'01	26°59	22°59	3°33	1° 6	10° 9	13°17	12°51	26°28	26°10	6°35	5°44	6°46	n.a.	M17
T 18	11 13 49	20°20'25	9♒59	23°43	4°36	1° 8	10° 2	13°25	12°52	26°28	26°11	6°31	5°40	6°53	n.a.	T 18
W19	11 17 46	21°18'47	22°47	24°29	5°39	1°R 8	9°56	13°32	12°53	26°27	26°13	6°24	5°37	7° 0	n.a.	W19
T 20	11 21 42	22°17'07	5♓25	25°20	6°42	1° 8	9°49	13°40	12°54	26°27	26°14	6°15	5°34	7° 6	n.a.	T 20
F 21	11 25 39	23°15'25	17°52	26°13	7°46	1° 7	9°42	13°47	12°55	26°26	26°15	6° 3	5°31	7°13	n.a.	F 21
S 22	11 29 35	24°13'41	0♈10	27°10	8°50	1° 6	9°35	13°55	12°56	26°26	26°17	5°50	5°28	7°20	n.a.	S 22
S 23	11 33 32	25°11'55	12°19	28° 9	9°54	1° 4	9°27	14° 3	12°58	26°25	26°18	5°36	5°25	7°27	n.a.	S 23
M24	11 37 29	26°10'07	24°19	29°11	10°58	1° 1	9°20	14°10	12°59	26°25	26°19	5°23	5°21	7°33	n.a.	M24
T 25	11 41 25	27° 8'18	6♉13	0♓16	12° 2	0°57	9°13	14°18	13° 0	26°24	26°21	5°13	5°18	7°40	n.a.	T 25
W26	11 45 22	28° 6'26	18° 3	1°24	13° 7	0°52	9° 6	14°26	13° 2	26°23	26°22	5° 5	5°15	7°47	n.a.	W26
T 27	11 49 18	29° 4'32	29°52	2°34	14°11	0°47	8°58	14°33	13° 3	26°23	26°23	4°59	5°12	7°53	n.a.	T 27
F 28	11 53 15	0♈ 2'37	11♊45	3°47	15°16	0°41	8°51	14°41	13° 5	26°22	26°25	4°56	5° 9	8° 0	n.a.	F 28
S 29	11 57 11	1° 0'39	23°46	5° 2	16°21	0°34	8°43	14°49	13° 7	26°21	26°26	4°55	5° 5	8° 7	n.a.	S 29
S 30	12 1 8	1°58'40	6♋ 0	6°20	17°27	0°26	8°36	14°56	13° 8	26°21	26°27	4°55	5° 2	8°13	n.a.	S 30
M31	12 5 4	2♈56'38	18♋33	7♓40	18♒32	0♏18	8♎28	15♈ 4	13♊10	26♏20	26♒28	4♉55	4♉59	8♉20	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10s17	24n54	1n55	12s19	2n14	20s21	2n17	9s26	2n 2	3s13	1n36	2n28	2s17	22n50	0n12	18s11	1n30	28s 4	16s 1	23s33	23s37	17n37		n.a.
S 2	9 55	24 37	0 52	12 44	2 0	20 20	2 10	9 31	2 2	3 11	1 36	2 30	2 17	22 50	0 12	18 11	1 30	28 3	16 1	23 33	23 37	17 39		n.a.
M 3	9 33	23 6	0s15	13 8	1 44	20 18	2 4	9 35	2 1	3 9	1 36	2 33	2 17	22 50	0 12	18 11	1 30	28 3	16 1	23 33	23 37	17 41		n.a.
T 4	9 11	20 20	1 24	13 30	1 29	20 16	1 58	9 40	2 1	3 7	1 36	2 36	2 17	22 50	0 12	18 11	1 30	28 2	16 1	23 33	23 37	17 43		n.a.
W 5	8 49	16 24	2 30	13 50	1 13	20 13	1 51	9 44	2 0	3 4	1 36	2 39	2 17	22 50	0 12	18 11	1 30	28 2	16 1	23 33	23 37	17 45		n.a.
T 6	8 27	11 30	3 29	14 9	0 58	20 10	1 45	9 48	1 59	3 2	1 37	2 42	2 17	22 50	0 12	18 11	1 30	28 1	16 1	23 34	23 37	17 47		n.a.
F 7	8 5	5 52	4 16	14 26	0 43	20 6	1 39	9 52	1 59	3 0	1 37	2 45	2 17	22 50	0 12	18 11	1 31	28 1	16 1	23 34	23 37	17 49		n.a.
S 8	7 42	0s12	4 49	14 41	0 28	20 1	1 33	9 55	1 58	2 58	1 37	2 48	2 16	22 50	0 12	18 11	1 31	28 0	16 1	23 35	23 38	17 50		n.a.
S 9	7 19	6 19	5 3	14 54	0 13	19 57	1 27	9 58	1 57	2 55	1 37	2 51	2 16	22 51	0 12	18 11	1 31	28 0	16 1	23 35	23 38	17 52		n.a.
M10	6 57	12 6	4 56	15 5	0s 1	19 51	1 21	10 2	1 57	2 53	1 37	2 54	2 16	22 51	0 12	18 10	1 31	27 59	16 1	23 36	23 38	17 54		n.a.
T 11	6 34	17 10	4 30	15 14	0 15	19 45	1 15	10 5	1 56	2 50	1 37	2 57	2 16	22 51	0 12	18 10	1 31	27 59	16 2	23 36	23 38	17 56		n.a.
W12	6 11	21 9	3 47	15 20	0 28	19 39	1 9	10 8	1 55	2 48	1 37	3 0	2 16	22 51	0 12	18 10	1 31	27 59	16 2	23 36	23 38	17 58		n.a.
T 13	5 48	23 45	2 50	15 25	0 41	19 32	1 3	10 10	1 54	2 45	1 37	3 3	2 16	22 51	0 12	18 10	1 31	27 58	16 2	23 36	23 38	18 0		n.a.
F 14	5 25	24 49	1 44	15 27	0 53	19 24	0 58	10 13	1 53	2 43	1 37	3 6	2 16	22 51	0 12	18 10	1 31	27 58	16 2	23 36	23 38	18 2		n.a.
S 15	5 2	24 20	0 33	15 28	1 4	19 16	0 52	10 15	1 52	2 40	1 38	3 9	2 15	22 51	0 12	18 10	1 31	27 57	16 2	23 36	23 39	18 4		n.a.
S 16	4 39	22 25	0n38	15 26	1 15	19 7	0 47	10 17	1 51	2 37	1 38	3 12	2 15	22 51	0 12	18 10	1 31	27 57	16 2	23 36	23 39	18 5		n.a.
M17	4 16	19 19	1 46	15 23	1 25	18 58	0 41	10 19	1 50	2 35	1 38	3 15	2 15	22 51	0 12	18 10	1 31	27 57	16 2	23 36	23 39	18 7		n.a.
T 18	3 53	15 19	2 47	15 17	1 34	18 48	0 36	10 20	1 49	2 32	1 38	3 18	2 15	22 52	0 12	18 10	1 31	27 56	16 3	23 37	23 39	18 9		n.a.
W19	3 29	10 40	3 39	15 10	1 43	18 38	0 30	10 22	1 47	2 29	1 38	3 21	2 15	22 52	0 12	18 9	1 31	27 56	16 3	23 37	23 39	18 11		n.a.
T 20	3 6	5 39	4 19	15 0	1 52	18 27	0 25	10 23	1 46	2 26	1 38	3 24	2 15	22 52	0 12	18 9	1 31	27 56	16 3	23 37	23 39	18 13		n.a.
F 21	2 43	0 29	4 46	14 49	1 59	18 16	0 20	10 24	1 45	2 24	1 38	3 27	2 15	22 52	0 12	18 9	1 31	27 55	16 3	23 38	23 39	18 15		n.a.
S 22	2 19	4n37	4 59	14 36	2 6	18 4	0 15	10 24	1 43	2 21	1 38	3 30	2 15	22 52	0 12	18 9	1 31	27 55	16 3	23 39	23 40	18 16		n.a.
S 23	1 56	9 29	4 58	14 21	2 12	17 52	0 10	10 25	1 42	2 18	1 38	3 33	2 15	22 52	0 12	18 9	1 31	27 55	16 3	23 39	23 40	18 18		n.a.
M24	1 33	13 57	4 44	14 4	2 18	17 39	0 5	10 25	1 40	2 15	1 38	3 36	2 14	22 52	0 12	18 9	1 31	27 54	16 4	23 40	23 40	18 20		n.a.
T 25	1 9	17 50	4 18	13 46	2 23	17 25	0 0	10 25	1 39	2 12	1 38	3 39	2 14	22 53	0 12	18 9	1 31	27 54	16 4	23 40	23 40	18 22		n.a.
W26	0 46	20 58	3 41	13 25	2 28	17 11	0s 5	10 25	1 37	2 9	1 38	3 42	2 14	22 53	0 12	18 8	1 31	27 54	16 4	23 41	23 40	18 24		n.a.
T 27	0 22	23 14	2 54	13 3	2 32	16 57	0 9	10 25	1 35	2 6	1 38	3 45	2 14	22 53	0 12	18 8	1 31	27 53	16 4	23 41	23 40	18 25		n.a.
F 28	0n 1	24 29	1 59	12 39	2 35	16 42	0 14	10 24	1 34	2 3	1 38	3 49	2 14	22 53	0 12	18 8	1 31	27 53	16 4	23 41	23 40	18 27		n.a.
S 29	0 24	24 36	0 59	12 14	2 37	16 27	0 18	10 24	1 32	2 0	1 38	3 52	2 14	22 53	0 12	18 8	1 31	27 53	16 5	23 41	23 40	18 29		n.a.
S 30	0 48	23 32	0s 6	11 47	2 39	16 11	0 23	10 23	1 30	1 57	1 38	3 55	2 14	22 54	0 12	18 8	1 31	27 52	16 5	23 41	23 41	18 31		n.a.
M31	1n11	21n17	1s12	11s18	2s41	15s54	0s27	10s22	1n28	1s54	1n38	3n58	2s14	22n54	0n12	18s 7	1n31	27s52	16s 5	23s41	23s41	18n32		n.a.

Julian Day Number = 1483339.5, Delta T = 05h20m50s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'33, Lahiri = -12°57'33 Julian Calendar 1 March 652 BCE == Greg. Calendar 22 Feb. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

APRIL 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 9 1	3♈54'34	1♌30	9♓ 1	19♒38	0°R 9	8°R21	15♈12	13♊12	26°R19	26♒30	4°R53	4♑56	8♉27	n.a.	T 1
W 2	12 12 57	4°52'29	14°54	10°26	20°43	29♎59	8♎13	15°20	13°13	26♏18	26°31	4♑49	4°53	8°34	n.a.	W 2
T 3	12 16 54	5°50'21	28°48	11°52	21°49	29°48	8° 5	15°28	13°15	26°17	26°32	4°43	4°50	8°40	n.a.	T 3
F 4	12 20 51	6°48'11	13♍10	13°20	22°55	29°37	7°58	15°35	13°17	26°16	26°33	4°34	4°46	8°47	n.a.	F 4
S 5	12 24 47	7°46'00	27°56	14°51	24° 2	29°25	7°50	15°43	13°19	26°16	26°35	4°24	4°43	8°54	n.a.	S 5
S 6	12 28 44	8°43'47	12♎58	16°23	25° 8	29°12	7°42	15°51	13°21	26°15	26°36	4°13	4°40	9° 0	n.a.	S 6
M 7	12 32 40	9°41'33	28° 7	17°58	26°15	28°59	7°35	15°59	13°23	26°14	26°37	4° 2	4°37	9° 7	n.a.	M 7
T 8	12 36 37	10°39'17	13♏13	19°35	27°21	28°45	7°27	16° 7	13°25	26°13	26°38	3°54	4°34	9°14	n.a.	T 8
W 9	12 40 33	11°37'00	28° 5	21°14	28°28	28°31	7°20	16°15	13°27	26°12	26°39	3°48	4°30	9°20	n.a.	W 9
T 10	12 44 30	12°34'42	12♐38	22°54	29°35	28°15	7°12	16°23	13°29	26°11	26°40	3°45	4°27	9°27	n.a.	T 10
F 11	12 48 26	13°32'22	26°48	24°37	0♓42	28° 0	7° 4	16°30	13°32	26°10	26°41	3°43	4°24	9°34	n.a.	F 11
S 12	12 52 23	14°30'01	10♑35	26°22	1°49	27°43	6°57	16°38	13°34	26° 9	26°42	3°43	4°21	9°41	n.a.	S 12
S 13	12 56 20	15°27'40	23°59	28° 9	2°56	27°26	6°49	16°46	13°36	26° 7	26°44	3°43	4°18	9°47	n.a.	S 13
M14	13 0 16	16°25'17	7♒ 4	29°58	4° 4	27° 9	6°42	16°54	13°38	26° 6	26°45	3°42	4°15	9°54	n.a.	M14
T 15	13 4 13	17°22'53	19°52	1♈49	5°11	26°51	6°34	17° 2	13°41	26° 5	26°46	3°38	4°11	10° 1	n.a.	T 15
W16	13 8 9	18°20'27	2♓26	3°42	6°19	26°33	6°27	17°10	13°43	26° 4	26°47	3°32	4° 8	10° 7	n.a.	W16
T 17	13 12 6	19°18'01	14°49	5°37	7°27	26°14	6°20	17°18	13°46	26° 3	26°48	3°23	4° 5	10°14	n.a.	T 17
F 18	13 16 2	20°15'33	27° 2	7°34	8°35	25°55	6°13	17°26	13°48	26° 2	26°49	3°11	4° 2	10°21	n.a.	F 18
S 19	13 19 59	21°13'05	9♈ 8	9°33	9°43	25°36	6° 5	17°33	13°50	26° 0	26°50	2°59	3°59	10°27	n.a.	S 19
S 20	13 23 55	22°10'35	21° 8	11°34	10°51	25°16	5°58	17°41	13°53	25°59	26°51	2°46	3°56	10°34	n.a.	S 20
M21	13 27 52	23° 8'04	3♉ 2	13°37	11°59	24°56	5°51	17°49	13°56	25°58	26°52	2°34	3°52	10°41	n.a.	M21
T 22	13 31 49	24° 5'31	14°53	15°41	13° 7	24°36	5°44	17°57	13°58	25°57	26°52	2°24	3°49	10°48	n.a.	T 22
W23	13 35 45	25° 2'58	26°42	17°47	14°16	24°16	5°37	18° 5	14° 1	25°55	26°53	2°16	3°46	10°54	n.a.	W23
T 24	13 39 42	26° 0'23	8♊31	19°55	15°24	23°56	5°30	18°13	14° 4	25°54	26°54	2°11	3°43	11° 1	n.a.	T 24
F 25	13 43 38	26°57'47	20°25	22° 3	16°32	23°36	5°24	18°21	14° 6	25°53	26°55	2° 8	3°40	11° 8	n.a.	F 25
S 26	13 47 35	27°55'10	2♋27	24°13	17°41	23°15	5°17	18°28	14° 9	25°51	26°56	2°D 7	3°36	11°14	n.a.	S 26
S 27	13 51 31	28°52'32	14°41	26°24	18°50	22°55	5°11	18°36	14°12	25°50	26°57	2° 8	3°33	11°21	n.a.	S 27
M28	13 55 28	29°49'52	27°12	28°35	19°59	22°35	5° 4	18°44	14°15	25°48	26°58	2°R 8	3°30	11°28	n.a.	M28
T 29	13 59 24	0♉47'11	10♌ 5	0♉47	21° 7	22°15	4°58	18°52	14°17	25°47	26°58	2° 8	3°27	11°34	n.a.	T 29
W30	14 3 21	1♉44'29	23♌25	2♉58	22♓16	21♎55	4♎52	19♈ 0	14♊20	25♏46	26♒59	2♑ 6	3♑24	11♉41	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n34	17n54	2s16	10s47	2s41	15s38	0s31	10s20	1n26	1s51	1n38	4n 1	2s14	22n54	0n12	18s 7	1n31	27s52	16s 5	23s41	23s41	18n34		n.a.
W 2	1 58	13 30	3 14	10 15	2 42	15 20	0 35	10 19	1 24	1 48	1 38	4 4	2 14	22 54	0 12	18 7	1 32	27 52	16 5	23 41	23 41	18 36		n.a.
T 3	2 21	8 15	4 4	9 41	2 41	15 3	0 39	10 17	1 22	1 45	1 38	4 7	2 14	22 55	0 12	18 7	1 32	27 51	16 6	23 41	23 41	18 38		n.a.
F 4	2 44	2 24	4 40	9 6	2 40	14 45	0 43	10 15	1 20	1 42	1 38	4 10	2 14	22 55	0 12	18 6	1 32	27 51	16 6	23 42	23 41	18 40		n.a.
S 5	3 7	3s43	4 59	8 29	2 39	14 26	0 47	10 13	1 17	1 39	1 38	4 13	2 13	22 55	0 12	18 6	1 32	27 51	16 6	23 42	23 41	18 41		n.a.
S 6	3 30	9 44	4 57	7 50	2 37	14 7	0 51	10 11	1 15	1 36	1 38	4 16	2 13	22 55	0 12	18 6	1 32	27 51	16 6	23 42	23 41	18 43		n.a.
M 7	3 53	15 13	4 35	7 10	2 34	13 48	0 54	10 8	1 13	1 33	1 38	4 20	2 13	22 56	0 12	18 6	1 32	27 51	16 7	23 43	23 42	18 45		n.a.
T 8	4 16	19 43	3 53	6 29	2 30	13 28	0 58	10 6	1 10	1 30	1 38	4 23	2 13	22 56	0 12	18 5	1 32	27 50	16 7	23 43	23 42	18 46		n.a.
W 9	4 39	22 52	2 56	5 46	2 27	13 7	1 1	10 3	1 8	1 27	1 38	4 26	2 13	22 56	0 12	18 5	1 32	27 50	16 7	23 43	23 42	18 48		n.a.
T 10	5 2	24 26	1 49	5 1	2 22	12 47	1 4	10 0	1 5	1 24	1 38	4 29	2 13	22 56	0 12	18 5	1 32	27 50	16 7	23 43	23 42	18 50		n.a.
F 11	5 25	24 21	0 37	4 16	2 17	12 26	1 8	9 56	1 2	1 21	1 38	4 32	2 13	22 57	0 12	18 5	1 32	27 50	16 8	23 43	23 42	18 52		n.a.
S 12	5 48	22 45	0n36	3 28	2 12	12 4	1 11	9 53	1 0	1 18	1 37	4 35	2 13	22 57	0 12	18 4	1 32	27 50	16 8	23 43	23 42	18 53		n.a.
S 13	6 10	19 53	1 45	2 40	2 6	11 43	1 14	9 50	0 57	1 16	1 37	4 38	2 13	22 57	0 12	18 4	1 32	27 50	16 8	23 43	23 42	18 55		n.a.
M14	6 33	16 5	2 47	1 50	1 59	11 21	1 17	9 46	0 54	1 13	1 37	4 41	2 13	22 57	0 12	18 4	1 32	27 50	16 8	23 43	23 42	18 57		n.a.
T 15	6 55	11 37	3 38	0 58	1 52	10 58	1 19	9 42	0 51	1 10	1 37	4 44	2 13	22 58	0 12	18 3	1 32	27 49	16 9	23 43	23 42	18 58		n.a.
W16	7 17	6 44	4 19	0 6	1 44	10 35	1 22	9 38	0 48	1 7	1 37	4 47	2 13	22 58	0 12	18 3	1 32	27 49	16 9	23 44	23 43	19 0		n.a.
T 17	7 39	1 41	4 46	0n48	1 36	10 12	1 25	9 34	0 45	1 4	1 37	4 50	2 13	22 58	0 12	18 3	1 32	27 49	16 9	23 44	23 43	19 2		n.a.
F 18	8 1	3n23	4 59	1 42	1 28	9 49	1 27	9 30	0 42	1 1	1 37	4 53	2 13	22 59	0 12	18 3	1 32	27 49	16 10	23 44	23 43	19 3		n.a.
S 19	8 23	8 15	4 59	2 38	1 19	9 25	1 30	9 26	0 39	0 59	1 37	4 56	2 13	22 59	0 12	18 2	1 32	27 49	16 10	23 44	23 43	19 5		n.a.
S 20	8 45	12 46	4 46	3 34	1 10	9 1	1 32	9 21	0 36	0 56	1 36	5 0	2 13	22 59	0 12	18 2	1 32	27 49	16 10	23 45	23 43	19 7		n.a.
M21	9 7	16 46	4 20	4 32	1 0	8 37	1 34	9 17	0 33	0 53	1 36	5 3	2 13	23 0	0 12	18 2	1 32	27 49	16 11	23 45	23 43	19 8		n.a.
T 22	9 28	20 5	3 43	5 29	0 50	8 12	1 36	9 13	0 29	0 51	1 36	5 6	2 13	23 0	0 12	18 1	1 32	27 49	16 11	23 45	23 43	19 10		n.a.
W23	9 50	22 33	2 57	6 28	0 40	7 47	1 38	9 8	0 26	0 48	1 36	5 9	2 13	23 0	0 12	18 1	1 32	27 49	16 11	23 45	23 43	19 12		n.a.
T 24	10 11	24 3	2 2	7 26	0 30	7 22	1 40	9 4	0 23	0 45	1 36	5 12	2 13	23 0	0 12	18 1	1 32	27 49	16 11	23 45	23 43	19 13		n.a.
F 25	10 32	24 27	1 2	8 25	0 19	6 57	1 42	8 59	0 20	0 43	1 36	5 15	2 13	23 1	0 12	18 0	1 32	27 49	16 12	23 45	23 43	19 15		n.a.
S 26	10 53	23 43	0s 2	9 23	0 8	6 31	1 44	8 55	0 16	0 40	1 35	5 18	2 13	23 1	0 12	18 0	1 32	27 49	16 12	23 45	23 43	19 17		n.a.
S 27	11 14	21 51	1 7	10 21	0n 2	6 6	1 46	8 50	0 13	0 38	1 35	5 21	2 13	23 1	0 12	18 0	1 32	27 49	16 12	23 45	23 44	19 18		n.a.
M28	11 34	18 53	2 10	11 19	0 13	5 40	1 47	8 46	0 9	0 36	1 35	5 24	2 13	23 2	0 12	17 59	1 32	27 49	16 13	23 45	23 44	19 20		n.a.
T 29	11 54	14 56	3 8	12 16	0 23	5 13	1 48	8 41	0 6	0 33	1 35	5 27	2 13	23 2	0 12	17 59	1 32	27 49	16 13	23 45	23 44	19 22		n.a.
W30	12n15	10n 9	3s59	13n12	0n33	4s47	1s50	8s37	0n 3	0s31	1n35	5n30	2s13	23n 2	0n12	17s58	1n32	27s49	16s13	23s45	23s44	19n23		n.a.

Julian Day Number = 1483370.5, Delta T = 05h20m49s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'29, Lahiri = -12°57'29 Julian Calendar 1 Apr. 652 BCE == Greg. Calendar 25 March 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

MAY 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 7 18	2♉41'45	7♍14	5♉10	23♓25	21°R36	4°R46	19♈ 7	14♊23	25°R44	27♒ 0	2°R 2	3♑21	11♉48	n.a.	T 1
F 2	14 11 14	3°39'01	21°32	7°21	24°34	21♎16	4♎40	19°15	14°26	25♏43	27° 1	1♑55	3°17	11°54	n.a.	F 2
S 3	14 15 11	4°36'15	6♎16	9°31	25°44	20°58	4°34	19°23	14°29	25°41	27° 1	1°48	3°14	12° 1	n.a.	S 3
S 4	14 19 7	5°33'28	21°21	11°41	26°53	20°39	4°28	19°31	14°32	25°40	27° 2	1°39	3°11	12° 8	n.a.	S 4
M 5	14 23 4	6°30'41	6♏37	13°49	28° 2	20°21	4°23	19°38	14°35	25°38	27° 3	1°31	3° 8	12°15	n.a.	M 5
T 6	14 27 0	7°27'53	21°54	15°56	29°12	20° 3	4°17	19°46	14°38	25°37	27° 3	1°25	3° 5	12°21	n.a.	T 6
W 7	14 30 57	8°25'04	6♐59	18° 1	0♈21	19°46	4°12	19°54	14°41	25°35	27° 4	1°21	3° 2	12°28	n.a.	W 7
T 8	14 34 53	9°22'15	21°46	20° 5	1°31	19°29	4° 7	20° 1	14°44	25°34	27° 5	1°19	2°58	12°35	n.a.	T 8
F 9	14 38 50	10°19'25	6♑ 9	22° 7	2°40	19°13	4° 2	20° 9	14°48	25°32	27° 5	1°D18	2°55	12°41	n.a.	F 9
S 10	14 42 47	11°16'35	20° 5	24° 6	3°50	18°57	3°57	20°16	14°51	25°31	27° 6	1°19	2°52	12°48	n.a.	S 10
S 11	14 46 43	12°13'45	3♒35	26° 4	5° 0	18°42	3°53	20°24	14°54	25°29	27° 6	1°20	2°49	12°55	n.a.	S 11
M12	14 50 40	13°10'54	16°41	27°59	6°10	18°28	3°48	20°31	14°57	25°27	27° 7	1°R20	2°46	13° 1	n.a.	M12
T 13	14 54 36	14° 8'03	29°26	29°53	7°20	18°14	3°44	20°39	15° 0	25°26	27° 7	1°19	2°42	13° 8	n.a.	T 13
W14	14 58 33	15° 5'12	11♓55	1♊43	8°30	18° 1	3°39	20°46	15° 4	25°24	27° 8	1°16	2°39	13°15	n.a.	W14
T 15	15 2 29	16° 2'20	24°10	3°32	9°40	17°48	3°35	20°54	15° 7	25°23	27° 8	1°11	2°36	13°21	n.a.	T 15
F 16	15 6 26	16°59'29	6♈15	5°19	10°50	17°37	3°31	21° 1	15°10	25°21	27° 9	1° 4	2°33	13°28	n.a.	F 16
S 17	15 10 22	17°56'37	18°13	7° 3	12° 0	17°26	3°28	21° 8	15°14	25°19	27° 9	0°57	2°30	13°35	n.a.	S 17
S 18	15 14 19	18°53'45	0♉ 6	8°44	13°10	17°16	3°24	21°16	15°17	25°18	27° 9	0°49	2°27	13°42	n.a.	S 18
M19	15 18 16	19°50'53	11°56	10°24	14°20	17° 6	3°21	21°23	15°20	25°16	27°10	0°41	2°23	13°48	n.a.	M19
T 20	15 22 12	20°48'00	23°46	12° 1	15°31	16°58	3°17	21°30	15°24	25°15	27°10	0°35	2°20	13°55	n.a.	T 20
W21	15 26 9	21°45'08	5♊36	13°35	16°41	16°50	3°14	21°37	15°27	25°13	27°11	0°31	2°17	14° 2	n.a.	W21
T 22	15 30 5	22°42'15	17°30	15° 7	17°52	16°43	3°11	21°45	15°31	25°11	27°11	0°28	2°14	14° 8	n.a.	T 22
F 23	15 34 2	23°39'21	29°29	16°37	19° 2	16°37	3° 9	21°52	15°34	25°10	27°11	0°D27	2°11	14°15	n.a.	F 23
S 24	15 37 58	24°36'28	11♋37	18° 4	20°13	16°32	3° 6	21°59	15°37	25° 8	27°11	0°28	2° 7	14°22	n.a.	S 24
S 25	15 41 55	25°33'34	23°56	19°29	21°23	16°28	3° 4	22° 6	15°41	25° 7	27°12	0°29	2° 4	14°28	n.a.	S 25
M26	15 45 52	26°30'40	6♌31	20°52	22°34	16°24	3° 2	22°13	15°44	25° 5	27°12	0°31	2° 1	14°35	n.a.	M26
T 27	15 49 48	27°27'45	19°25	22°11	23°45	16°22	3° 0	22°20	15°48	25° 3	27°12	0°32	1°58	14°42	n.a.	T 27
W28	15 53 45	28°24'51	2♍41	23°29	24°56	16°20	2°58	22°27	15°51	25° 2	27°12	0°R32	1°55	14°48	n.a.	W28
T 29	15 57 41	29°21'55	16°23	24°43	26° 6	16°19	2°56	22°34	15°55	25° 0	27°12	0°31	1°52	14°55	n.a.	T 29
F 30	16 1 38	0♊19'00	0♎31	25°55	27°17	16°D19	2°55	22°41	15°59	24°59	27°12	0°29	1°48	15° 2	n.a.	F 30
S 31	16 5 34	1♊16'04	15♎ 4	27♊ 4	28♈28	16♎19	2♎53	22♈47	16♊ 2	24♏57	27♒13	0♑25	1♑45	15♉ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n35	4n41	4s37	14n 6	0n43	4s21	1s51	8s33	0s 1	0s29	1n34	5n33	2s13	23n 3	0n12	17s58	1n32	27s49	16s14	23s45	23s44	19n25			n.a.
F 2	12 54	1s11	5 0	14 59	0 53	3 54	1 52	8 28	0 4	0 26	1 34	5 35	2 13	23 3	0 12	17 58	1 32	27 49	16 14	23 46	23 44	19 26			n.a.
S 3	13 14	7 10	5 4	15 51	1 2	3 27	1 53	8 24	0 7	0 24	1 34	5 38	2 13	23 4	0 12	17 57	1 32	27 49	16 14	23 46	23 44	19 28			n.a.
S 4	13 33	12 52	4 48	16 40	1 11	3 0	1 54	8 20	0 11	0 22	1 34	5 41	2 13	23 4	0 12	17 57	1 32	27 49	16 15	23 46	23 44	19 30			n.a.
M 5	13 53	17 51	4 10	17 28	1 19	2 33	1 55	8 17	0 14	0 20	1 33	5 44	2 13	23 4	0 12	17 57	1 32	27 49	16 15	23 46	23 44	19 31			n.a.
T 6	14 12	21 38	3 15	18 13	1 27	2 5	1 56	8 13	0 18	0 18	1 33	5 47	2 13	23 5	0 12	17 56	1 32	27 49	16 15	23 46	23 44	19 33			n.a.
W 7	14 30	23 52	2 7	18 56	1 34	1 38	1 56	8 9	0 21	0 16	1 33	5 50	2 13	23 5	0 12	17 56	1 32	27 49	16 16	23 46	23 44	19 34			n.a.
T 8	14 49	24 22	0 51	19 37	1 40	1 11	1 57	8 6	0 24	0 15	1 33	5 53	2 13	23 5	0 12	17 56	1 32	27 49	16 16	23 46	23 44	19 36			n.a.
F 9	15 7	23 12	0n26	20 15	1 46	0 43	1 57	8 3	0 27	0 13	1 33	5 56	2 13	23 6	0 12	17 55	1 32	27 49	16 17	23 46	23 44	19 37			n.a.
S 10	15 25	20 37	1 39	20 51	1 51	0 15	1 58	8 0	0 31	0 11	1 32	5 58	2 13	23 6	0 12	17 55	1 32	27 50	16 17	23 46	23 45	19 39			n.a.
S 11	15 43	16 57	2 45	21 25	1 56	0n13	1 58	7 57	0 34	0 9	1 32	6 1	2 13	23 6	0 12	17 54	1 32	27 50	16 17	23 46	23 45	19 41			n.a.
M12	16 1	12 34	3 40	21 55	1 59	0 40	1 58	7 54	0 37	0 8	1 32	6 4	2 13	23 7	0 12	17 54	1 32	27 50	16 18	23 46	23 45	19 42			n.a.
T 13	16 18	7 44	4 22	22 24	2 2	1 8	1 58	7 52	0 40	0 6	1 32	6 7	2 13	23 7	0 12	17 54	1 32	27 50	16 18	23 46	23 45	19 44			n.a.
W14	16 35	2 43	4 51	22 50	2 4	1 36	1 58	7 50	0 43	0 5	1 31	6 10	2 14	23 8	0 12	17 53	1 32	27 50	16 18	23 46	23 45	19 45			n.a.
T 15	16 52	2n19	5 6	23 13	2 6	2 4	1 58	7 48	0 46	0 3	1 31	6 12	2 14	23 8	0 12	17 53	1 32	27 50	16 19	23 46	23 45	19 47			n.a.
F 16	17 9	7 12	5 7	23 34	2 7	2 32	1 58	7 46	0 49	0 2	1 31	6 15	2 14	23 8	0 12	17 53	1 32	27 50	16 19	23 46	23 45	19 48			n.a.
S 17	17 25	11 46	4 55	23 53	2 7	3 0	1 58	7 44	0 52	0 1	1 30	6 18	2 14	23 9	0 12	17 52	1 32	27 51	16 19	23 46	23 45	19 50			n.a.
S 18	17 41	15 51	4 29	24 9	2 7	3 28	1 58	7 43	0 55	0n 0	1 30	6 21	2 14	23 9	0 12	17 52	1 32	27 51	16 20	23 46	23 45	19 51			n.a.
M19	17 57	19 19	3 53	24 23	2 5	3 56	1 57	7 42	0 58	0 1	1 30	6 23	2 14	23 9	0 12	17 51	1 32	27 51	16 20	23 46	23 45	19 53			n.a.
T 20	18 12	21 58	3 6	24 35	2 3	4 24	1 57	7 42	1 1	0 2	1 30	6 26	2 14	23 10	0 12	17 51	1 32	27 51	16 21	23 46	23 45	19 54			n.a.
W21	18 27	23 41	2 11	24 45	2 1	4 52	1 56	7 41	1 4	0 3	1 29	6 29	2 14	23 10	0 12	17 51	1 32	27 52	16 21	23 46	23 45	19 56			n.a.
T 22	18 42	24 20	1 10	24 53	1 58	5 20	1 56	7 41	1 7	0 4	1 29	6 31	2 14	23 11	0 12	17 50	1 32	27 52	16 21	23 46	23 45	19 57			n.a.
F 23	18 57	23 52	0 5	24 59	1 54	5 47	1 55	7 41	1 9	0 5	1 29	6 34	2 14	23 11	0 12	17 50	1 32	27 52	16 22	23 46	23 45	19 59			n.a.
S 24	19 11	22 15	1s 1	25 3	1 49	6 15	1 54	7 42	1 12	0 6	1 28	6 36	2 14	23 11	0 12	17 49	1 32	27 52	16 22	23 46	23 45	20 0			n.a.
S 25	19 25	19 34	2 5	25 5	1 44	6 43	1 53	7 42	1 15	0 7	1 28	6 39	2 14	23 12	0 12	17 49	1 32	27 52	16 22	23 46	23 45	20 2			n.a.
M26	19 39	15 56	3 4	25 6	1 39	7 10	1 52	7 43	1 17	0 7	1 28	6 41	2 14	23 12	0 12	17 49	1 32	27 53	16 23	23 46	23 45	20 3			n.a.
T 27	19 52	11 28	3 56	25 4	1 32	7 37	1 51	7 44	1 20	0 8	1 28	6 44	2 15	23 12	0 12	17 48	1 32	27 53	16 23	23 46	23 46	20 5			n.a.
W28	20 5	6 21	4 37	25 2	1 25	8 5	1 50	7 46	1 22	0 8	1 27	6 46	2 15	23 13	0 12	17 48	1 32	27 53	16 24	23 46	23 46	20 6			n.a.
T 29	20 18	0 47	5 4	24 58	1 18	8 32	1 49	7 48	1 24	0 9	1 27	6 49	2 15	23 13	0 12	17 48	1 32	27 54	16 24	23 46	23 46	20 8			n.a.
F 30	20 30	4s59	5 13	24 52	1 10	8 59	1 48	7 50	1 27	0 9	1 27	6 51	2 15	23 14	0 12	17 47	1 32	27 54	16 24	23 46	23 46	20 9			n.a.
S 31	20n42	10s39	5s 3	24n46	1n 1	9n26	1s46	7s52	1s29	0n 9	1n26	6n54	2s15	23n14	0n12	17s47	1n32	27s54	16s25	23s46	23s46	20n11			n.a.

Julian Day Number = 1483400.5, Delta T = 05h20m47s
Ecliptic obliquity = 23°46'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'25, Lahiri = -12°57'25 Julian Calendar 1 May 652 BCE == Greg. Calendar 24 Apr. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

JUNE 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 9 31	2♊13'09	29♎57	28♊11	29♈39	16♎21	2°R52	22♈54	16♊ 6	24°R55	27♒13	0°R21	1♉42	15♉15	n.a.	S 1
M 2	16 13 27	3°10'13	15♏ 4	29°14	0♉50	16°23	2♎51	23° 1	16° 9	24♏54	27°13	0♉18	1°39	15°22	n.a.	M 2
T 3	16 17 24	4° 7'18	0♐15	0♋15	2° 1	16°26	2°51	23° 7	16°13	24°52	27°13	0°15	1°36	15°29	n.a.	T 3
W 4	16 21 21	5° 4'23	15°21	1°12	3°13	16°30	2°50	23°14	16°16	24°51	27°R13	0°13	1°33	15°35	n.a.	W 4
T 5	16 25 17	6° 1'28	0♑13	2° 6	4°24	16°35	2°50	23°21	16°20	24°49	27°13	0°D13	1°29	15°42	n.a.	T 5
F 6	16 29 14	6°58'33	14°43	2°57	5°35	16°41	2°49	23°27	16°24	24°47	27°13	0°13	1°26	15°49	n.a.	F 6
S 7	16 33 10	7°55'39	28°47	3°44	6°46	16°47	2°D49	23°33	16°27	24°46	27°13	0°14	1°23	15°55	n.a.	S 7
S 8	16 37 7	8°52'46	12♒25	4°28	7°58	16°54	2°50	23°40	16°31	24°44	27°13	0°16	1°20	16° 2	n.a.	S 8
M 9	16 41 3	9°49'53	25°37	5° 8	9° 9	17° 2	2°50	23°46	16°34	24°43	27°12	0°17	1°17	16° 9	n.a.	M 9
T 10	16 45 0	10°47'01	8♓26	5°45	10°21	17°11	2°50	23°52	16°38	24°41	27°12	0°R17	1°13	16°15	n.a.	T 10
W11	16 48 57	11°44'10	20°54	6°17	11°32	17°20	2°51	23°59	16°42	24°40	27°12	0°17	1°10	16°22	n.a.	W11
T 12	16 52 53	12°41'19	3♈ 8	6°45	12°44	17°30	2°52	24° 5	16°45	24°38	27°12	0°16	1° 7	16°29	n.a.	T 12
F 13	16 56 50	13°38'29	15°10	7° 9	13°56	17°41	2°53	24°11	16°49	24°37	27°12	0°14	1° 4	16°35	n.a.	F 13
S 14	17 0 46	14°35'40	27° 4	7°28	15° 7	17°52	2°54	24°17	16°53	24°35	27°12	0°12	1° 1	16°42	n.a.	S 14
S 15	17 4 43	15°32'52	8♉54	7°43	16°19	18° 5	2°56	24°23	16°56	24°34	27°11	0°10	0°58	16°49	n.a.	S 15
M16	17 8 39	16°30'04	20°44	7°53	17°31	18°17	2°57	24°29	17° 0	24°32	27°11	0° 8	0°54	16°55	n.a.	M16
T 17	17 12 36	17°27'18	2♊35	7°58	18°43	18°31	2°59	24°34	17° 4	24°31	27°11	0° 6	0°51	17° 2	n.a.	T 17
W18	17 16 32	18°24'32	14°31	7°R59	19°55	18°45	3° 1	24°40	17° 7	24°29	27°11	0° 5	0°48	17° 9	n.a.	W18
T 19	17 20 29	19°21'47	26°33	7°54	21° 7	19° 0	3° 3	24°46	17°11	24°28	27°10	0°D 5	0°45	17°16	n.a.	T 19
F 20	17 24 26	20°19'03	8♋43	7°45	22°19	19°16	3° 5	24°52	17°15	24°26	27°10	0° 5	0°42	17°22	n.a.	F 20
S 21	17 28 22	21°16'19	21° 3	7°30	23°31	19°32	3° 8	24°57	17°18	24°25	27°10	0° 5	0°39	17°29	n.a.	S 21
S 22	17 32 19	22°13'36	3♌35	7°11	24°43	19°49	3°11	25° 3	17°22	24°24	27° 9	0° 6	0°35	17°36	n.a.	S 22
M23	17 36 15	23°10'54	16°21	6°47	25°55	20° 6	3°13	25° 8	17°26	24°22	27° 9	0° 7	0°32	17°42	n.a.	M23
T 24	17 40 12	24° 8'12	29°23	6°18	27° 7	20°25	3°16	25°13	17°29	24°21	27° 8	0° 7	0°29	17°49	n.a.	T 24
W25	17 44 8	25° 5'31	12♍43	5°46	28°19	20°43	3°20	25°19	17°33	24°20	27° 8	0° 8	0°26	17°56	n.a.	W25
T 26	17 48 5	26° 2'51	26°23	5° 9	29°32	21° 2	3°23	25°24	17°36	24°18	27° 7	0°R 8	0°23	18° 2	n.a.	T 26
F 27	17 52 1	27° 0'11	10♎22	4°30	0♊44	21°22	3°26	25°29	17°40	24°17	27° 7	0° 8	0°19	18° 9	n.a.	F 27
S 28	17 55 58	27°57'32	24°40	3°47	1°56	21°43	3°30	25°34	17°44	24°16	27° 6	0° 7	0°16	18°16	n.a.	S 28
S 29	17 59 55	28°54'53	9♏14	3° 3	3° 9	22° 4	3°34	25°39	17°47	24°14	27° 6	0° 7	0°13	18°22	n.a.	S 29
M30	18 3 51	29♊52'16	24♏ 1	2♋17	4♊21	22♎25	3♎38	25♈44	17♊51	24♏13	27♒ 5	0°D 7	0♑10	18♉29	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n54	15s51	4s33	24n38	0n52	9n52	1s45	7s55	1s31	0n 9	1n26	6n56	2s15	23n14	0n12	17s46	1n32	27s55	16s25	23s46	23s46	20n12		n.a.
M 2	21 5	20 8	3 43	24 29	0 42	10 19	1 44	7 58	1 33	0 9	1 26	6 59	2 15	23 15	0 12	17 46	1 32	27 55	16 25	23 46	23 46	20 13		n.a.
T 3	21 16	23 3	2 37	24 19	0 32	10 45	1 42	8 1	1 35	0 9	1 25	7 1	2 15	23 15	0 12	17 46	1 32	27 55	16 26	23 46	23 46	20 15		n.a.
W 4	21 27	24 18	1 21	24 8	0 22	11 11	1 40	8 4	1 37	0 9	1 25	7 3	2 15	23 16	0 12	17 45	1 32	27 56	16 26	23 46	23 46	20 16		n.a.
T 5	21 37	23 46	0n 0	23 56	0 10	11 37	1 39	8 8	1 39	0 9	1 25	7 6	2 16	23 16	0 12	17 45	1 32	27 56	16 27	23 46	23 46	20 18		n.a.
F 6	21 47	21 38	1 19	23 43	0s 1	12 3	1 37	8 12	1 41	0 9	1 25	7 8	2 16	23 16	0 12	17 45	1 32	27 56	16 27	23 46	23 46	20 19		n.a.
S 7	21 56	18 14	2 31	23 30	0 13	12 28	1 35	8 16	1 43	0 9	1 24	7 10	2 16	23 17	0 12	17 44	1 32	27 57	16 27	23 46	23 46	20 21		n.a.
S 8	22 5	13 55	3 32	23 16	0 26	12 53	1 34	8 21	1 45	0 8	1 24	7 13	2 16	23 17	0 12	17 44	1 32	27 57	16 28	23 46	23 46	20 22		n.a.
M 9	22 14	9 5	4 20	23 2	0 39	13 18	1 32	8 25	1 47	0 8	1 24	7 15	2 16	23 17	0 12	17 43	1 32	27 57	16 28	23 46	23 46	20 23		n.a.
T 10	22 22	4 0	4 53	22 47	0 52	13 43	1 30	8 30	1 49	0 8	1 23	7 17	2 16	23 18	0 12	17 43	1 32	27 58	16 28	23 46	23 46	20 25		n.a.
W11	22 30	1n 6	5 11	22 32	1 5	14 7	1 28	8 36	1 50	0 7	1 23	7 19	2 16	23 18	0 12	17 43	1 32	27 58	16 29	23 46	23 46	20 26		n.a.
T 12	22 38	6 4	5 15	22 17	1 19	14 31	1 26	8 41	1 52	0 6	1 23	7 21	2 17	23 19	0 12	17 42	1 32	27 59	16 29	23 46	23 46	20 27		n.a.
F 13	22 45	10 43	5 5	22 1	1 33	14 55	1 24	8 47	1 54	0 6	1 22	7 23	2 17	23 19	0 12	17 42	1 32	27 59	16 30	23 46	23 46	20 29		n.a.
S 14	22 52	14 56	4 42	21 46	1 48	15 18	1 22	8 53	1 55	0 5	1 22	7 25	2 17	23 19	0 12	17 42	1 32	27 59	16 30	23 46	23 46	20 30		n.a.
S 15	22 59	18 33	4 7	21 31	2 2	15 41	1 19	8 59	1 57	0 4	1 22	7 28	2 17	23 20	0 12	17 41	1 32	28 0	16 30	23 46	23 46	20 32		n.a.
M16	23 5	21 24	3 21	21 16	2 16	16 4	1 17	9 5	1 58	0 3	1 21	7 30	2 17	23 20	0 12	17 41	1 32	28 0	16 31	23 46	23 46	20 33		n.a.
T 17	23 10	23 22	2 26	21 1	2 31	16 26	1 15	9 12	2 0	0 2	1 21	7 32	2 17	23 20	0 12	17 41	1 32	28 1	16 31	23 46	23 46	20 34		n.a.
W18	23 16	24 16	1 25	20 47	2 45	16 48	1 13	9 19	2 1	0 1	1 21	7 34	2 17	23 21	0 12	17 40	1 32	28 1	16 31	23 46	23 46	20 36		n.a.
T 19	23 20	24 3	0 20	20 33	2 59	17 9	1 10	9 26	2 2	0s 0	1 21	7 36	2 18	23 21	0 12	17 40	1 32	28 2	16 32	23 46	23 46	20 37		n.a.
F 20	23 25	22 41	0s48	20 20	3 13	17 30	1 8	9 33	2 4	0 1	1 20	7 37	2 18	23 22	0 12	17 40	1 32	28 2	16 32	23 46	23 46	20 38		n.a.
S 21	23 29	20 14	1 54	20 8	3 26	17 51	1 6	9 40	2 5	0 3	1 20	7 39	2 18	23 22	0 12	17 39	1 32	28 2	16 32	23 46	23 46	20 40		n.a.
S 22	23 33	16 47	2 55	19 57	3 38	18 11	1 3	9 48	2 6	0 4	1 20	7 41	2 18	23 22	0 12	17 39	1 32	28 3	16 33	23 46	23 46	20 41		n.a.
M23	23 36	12 30	3 50	19 46	3 50	18 31	1 1	9 56	2 7	0 5	1 19	7 43	2 18	23 23	0 12	17 39	1 32	28 3	16 33	23 46	23 46	20 42		n.a.
T 24	23 38	7 35	4 33	19 36	4 1	18 50	0 58	10 4	2 9	0 7	1 19	7 45	2 18	23 23	0 12	17 39	1 32	28 4	16 33	23 46	23 46	20 44		n.a.
W25	23 41	2 13	5 3	19 28	4 11	19 9	0 56	10 12	2 10	0 8	1 19	7 47	2 19	23 23	0 13	17 38	1 32	28 4	16 34	23 46	23 46	20 45		n.a.
T 26	23 43	3s22	5 17	19 21	4 20	19 28	0 53	10 20	2 11	0 10	1 18	7 48	2 19	23 24	0 13	17 38	1 32	28 5	16 34	23 46	23 46	20 46		n.a.
F 27	23 44	8 56	5 12	19 15	4 27	19 46	0 51	10 29	2 12	0 12	1 18	7 50	2 19	23 24	0 13	17 38	1 31	28 5	16 34	23 46	23 46	20 47		n.a.
S 28	23 45	14 9	4 49	19 10	4 33	20 3	0 48	10 38	2 13	0 13	1 18	7 52	2 19	23 24	0 13	17 37	1 31	28 6	16 35	23 46	23 46	20 49		n.a.
S 29	23 46	18 39	4 7	19 7	4 38	20 20	0 46	10 46	2 14	0 15	1 18	7 53	2 19	23 25	0 13	17 37	1 31	28 6	16 35	23 46	23 46	20 50		n.a.
M30	23n46	22s 4	3s 7	19n 5	4s40	20n36	0s43	10s55	2s15	0s17	1n17	7n55	2s20	23n25	0n13	17s37	1n31	28s 7	16s35	23s46	23s46	20n51		n.a.

Julian Day Number = 1483431.5, Delta T = 05h20m46s
Ecliptic obliquity = 23°46'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'21, Lahiri = -12°57'20 Julian Calendar 1 June 652 BCE == Greg. Calendar 25 May 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

JULY 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 7 48	0♋49'40	8♐53	1°R31	5♊34	22♎47	3♎42	25♈49	17♊55	24°R12	27°R 5	0♑ 7	0♑ 7	18♉36	n.a.	T 1
W 2	18 11 44	1°47'04	23°44	0♋46	6°46	23°10	3°46	25°53	17°58	24♏11	27♒ 4	0°R 7	0° 4	18°42	n.a.	W 2
T 3	18 15 41	2°44'30	8♑26	0° 1	7°59	23°33	3°51	25°58	18° 2	24°10	27° 4	0° 7	0° 0	18°49	n.a.	T 3
F 4	18 19 37	3°41'57	22°52	29♊19	9°12	23°56	3°56	26° 2	18° 5	24° 8	27° 3	0° 7	29♐57	18°56	n.a.	F 4
S 5	18 23 34	4°39'25	6♒58	28°39	10°24	24°20	4° 0	26° 7	18° 9	24° 7	27° 2	0° 7	29°54	19° 2	n.a.	S 5
S 6	18 27 31	5°36'55	20°39	28° 4	11°37	24°44	4° 5	26°11	18°12	24° 6	27° 2	0° 6	29°51	19° 9	n.a.	S 6
M 7	18 31 27	6°34'26	3♓55	27°32	12°50	25° 9	4°10	26°16	18°16	24° 5	27° 1	0° 5	29°48	19°16	n.a.	M 7
T 8	18 35 24	7°31'59	16°48	27° 6	14° 3	25°35	4°16	26°20	18°19	24° 4	27° 0	0° 5	29°45	19°22	n.a.	T 8
W 9	18 39 20	8°29'33	29°20	26°46	15°16	26° 0	4°21	26°24	18°23	24° 3	27° 0	0° 4	29°41	19°29	n.a.	W 9
T 10	18 43 17	9°27'08	11♈35	26°31	16°29	26°26	4°27	26°28	18°26	24° 2	26°59	0°D 4	29°38	19°36	n.a.	T 10
F 11	18 47 13	10°24'46	23°37	26°24	17°42	26°53	4°33	26°32	18°30	24° 1	26°58	0° 5	29°35	19°43	n.a.	F 11
S 12	18 51 10	11°22'25	5♉30	26°D23	18°55	27°20	4°38	26°36	18°33	24° 0	26°57	0° 5	29°32	19°49	n.a.	S 12
S 13	18 55 6	12°20'06	17°20	26°29	20° 8	27°47	4°44	26°40	18°37	23°59	26°57	0° 6	29°29	19°56	n.a.	S 13
M14	18 59 3	13°17'48	29°11	26°43	21°21	28°15	4°51	26°43	18°40	23°58	26°56	0° 8	29°25	20° 3	n.a.	M14
T 15	19 3 0	14°15'33	11♊ 6	27° 4	22°34	28°44	4°57	26°47	18°44	23°57	26°55	0° 9	29°22	20° 9	n.a.	T 15
W16	19 6 56	15°13'19	23° 8	27°32	23°48	29°12	5° 3	26°50	18°47	23°56	26°54	0° 9	29°19	20°16	n.a.	W16
T 17	19 10 53	16°11'06	5♋21	28° 8	25° 1	29°41	5°10	26°54	18°50	23°55	26°53	0°R 9	29°16	20°23	n.a.	T 17
F 18	19 14 49	17° 8'55	17°45	28°51	26°14	0♏11	5°17	26°57	18°54	23°55	26°52	0° 9	29°13	20°29	n.a.	F 18
S 19	19 18 46	18° 6'46	0♌24	29°42	27°28	0°40	5°24	27° 0	18°57	23°54	26°52	0° 7	29°10	20°36	n.a.	S 19
S 20	19 22 42	19° 4'38	13°16	0♋39	28°41	1°10	5°31	27° 3	19° 0	23°53	26°51	0° 5	29° 6	20°43	n.a.	S 20
M21	19 26 39	20° 2'32	26°22	1°43	29°55	1°41	5°38	27° 6	19° 3	23°52	26°50	0° 2	29° 3	20°49	n.a.	M21
T 22	19 30 35	21° 0'27	9♍42	2°53	1♋ 8	2°12	5°45	27° 9	19° 7	23°52	26°49	29♐59	29° 0	20°56	n.a.	T 22
W23	19 34 32	21°58'24	23°15	4° 9	2°22	2°43	5°53	27°12	19°10	23°51	26°48	29°56	28°57	21° 3	n.a.	W23
T 24	19 38 28	22°56'22	7♎ 1	5°31	3°36	3°14	6° 0	27°15	19°13	23°50	26°47	29°55	28°54	21° 9	n.a.	T 24
F 25	19 42 25	23°54'22	20°58	6°58	4°49	3°46	6° 8	27°17	19°16	23°50	26°46	29°D54	28°51	21°16	n.a.	F 25
S 26	19 46 22	24°52'23	5♏ 6	8°30	6° 3	4°18	6°16	27°20	19°19	23°49	26°45	29°54	28°47	21°23	n.a.	S 26
S 27	19 50 18	25°50'25	19°23	10° 7	7°17	4°50	6°24	27°22	19°23	23°49	26°44	29°55	28°44	21°29	n.a.	S 27
M28	19 54 15	26°48'29	3♐47	11°47	8°30	5°23	6°32	27°25	19°26	23°48	26°43	29°57	28°41	21°36	n.a.	M28
T 29	19 58 11	27°46'35	18°14	13°30	9°44	5°56	6°40	27°27	19°29	23°48	26°42	29°58	28°38	21°43	n.a.	T 29
W30	20 2 8	28°44'42	2♑40	15°17	10°58	6°29	6°48	27°29	19°32	23°47	26°41	29°R58	28°35	21°49	n.a.	W30
T 31	20 6 4	29♋42'51	17♑ 1	17♋ 6	12♋12	7♏ 3	6♎57	27♈31	19♊35	23♏47	26♒40	29♐57	28♐31	21♉56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n46	23s59	1s55	19n 5	4s41	20n52	0s40	11s 5	2s16	0s19	1n17	7n57	2s20	23n25	0n13	17s37	1n31	28s 7	16s36	23s46	23s46	20n53		n.a.
W 2	23 46	24 13	0 35	19 6	4 40	21 7	0 38	11 14	2 17	0 21	1 17	7 58	2 20	23 26	0 13	17 36	1 31	28 8	16 36	23 46	23 46	20 54		n.a.
T 3	23 45	22 44	0n46	19 9	4 38	21 22	0 35	11 23	2 17	0 23	1 16	8 0	2 20	23 26	0 13	17 36	1 31	28 8	16 36	23 46	23 46	20 55		n.a.
F 4	23 43	19 47	2 3	19 13	4 33	21 36	0 32	11 33	2 18	0 25	1 16	8 1	2 20	23 26	0 13	17 36	1 31	28 9	16 37	23 46	23 46	20 56		n.a.
S 5	23 41	15 43	3 11	19 19	4 27	21 50	0 30	11 43	2 19	0 27	1 16	8 3	2 20	23 27	0 13	17 36	1 31	28 9	16 37	23 46	23 46	20 58		n.a.
S 6	23 39	10 56	4 5	19 26	4 19	22 3	0 27	11 52	2 20	0 30	1 15	8 4	2 21	23 27	0 13	17 35	1 31	28 10	16 37	23 46	23 46	20 59		n.a.
M 7	23 36	5 47	4 45	19 35	4 10	22 15	0 24	12 2	2 20	0 32	1 15	8 5	2 21	23 27	0 13	17 35	1 31	28 10	16 38	23 46	23 46	21 0		n.a.
T 8	23 33	0 33	5 9	19 45	3 59	22 27	0 22	12 12	2 21	0 34	1 15	8 7	2 21	23 28	0 13	17 35	1 31	28 11	16 38	23 46	23 46	21 1		n.a.
W 9	23 30	4n34	5 17	19 57	3 47	22 38	0 19	12 23	2 22	0 37	1 15	8 8	2 21	23 28	0 13	17 35	1 31	28 11	16 38	23 46	23 46	21 3		n.a.
T 10	23 26	9 24	5 11	20 10	3 34	22 48	0 16	12 33	2 22	0 39	1 14	8 9	2 21	23 28	0 13	17 34	1 31	28 12	16 39	23 46	23 46	21 4		n.a.
F 11	23 22	13 47	4 51	20 23	3 20	22 58	0 14	12 43	2 23	0 42	1 14	8 11	2 22	23 29	0 13	17 34	1 31	28 13	16 39	23 46	23 46	21 5		n.a.
S 12	23 17	17 36	4 19	20 38	3 5	23 7	0 11	12 54	2 24	0 45	1 14	8 12	2 22	23 29	0 13	17 34	1 31	28 13	16 39	23 46	23 46	21 6		n.a.
S 13	23 12	20 41	3 36	20 54	2 50	23 16	0 8	13 4	2 24	0 47	1 14	8 13	2 22	23 29	0 13	17 34	1 31	28 14	16 39	23 46	23 46	21 7		n.a.
M14	23 6	22 54	2 43	21 10	2 34	23 24	0 6	13 15	2 25	0 50	1 13	8 14	2 22	23 30	0 13	17 34	1 31	28 14	16 40	23 46	23 46	21 9		n.a.
T 15	23 0	24 8	1 44	21 27	2 18	23 31	0 3	13 26	2 25	0 53	1 13	8 15	2 23	23 30	0 13	17 34	1 31	28 15	16 40	23 46	23 46	21 10		n.a.
W16	22 53	24 14	0 39	21 44	2 1	23 37	0 0	13 36	2 26	0 56	1 13	8 16	2 23	23 30	0 13	17 33	1 31	28 15	16 40	23 46	23 46	21 11		n.a.
T 17	22 47	23 11	0s29	22 1	1 45	23 43	0n 2	13 47	2 26	0 58	1 12	8 17	2 23	23 31	0 13	17 33	1 31	28 16	16 40	23 46	23 46	21 12		n.a.
F 18	22 39	21 0	1 36	22 18	1 28	23 48	0 5	13 58	2 26	1 1	1 12	8 18	2 23	23 31	0 13	17 33	1 31	28 16	16 41	23 46	23 46	21 13		n.a.
S 19	22 32	17 45	2 39	22 35	1 12	23 52	0 7	14 9	2 27	1 4	1 12	8 19	2 23	23 31	0 13	17 33	1 30	28 17	16 41	23 46	23 46	21 14		n.a.
S 20	22 24	13 37	3 36	22 51	0 56	23 56	0 10	14 20	2 27	1 8	1 12	8 20	2 24	23 31	0 13	17 33	1 30	28 17	16 41	23 46	23 46	21 16		n.a.
M21	22 15	8 48	4 22	23 6	0 40	23 59	0 13	14 31	2 28	1 11	1 11	8 21	2 24	23 32	0 13	17 33	1 30	28 18	16 41	23 46	23 46	21 17		n.a.
T 22	22 6	3 29	4 55	23 19	0 25	24 1	0 15	14 43	2 28	1 14	1 11	8 22	2 24	23 32	0 13	17 33	1 30	28 19	16 42	23 46	23 46	21 18		n.a.
W23	21 57	2s 3	5 12	23 32	0 11	24 3	0 18	14 54	2 28	1 17	1 11	8 23	2 24	23 32	0 13	17 32	1 30	28 19	16 42	23 46	23 46	21 19		n.a.
T 24	21 48	7 35	5 12	23 43	0n 3	24 4	0 20	15 5	2 28	1 20	1 11	8 23	2 25	23 33	0 13	17 32	1 30	28 20	16 42	23 46	23 46	21 20		n.a.
F 25	21 38	12 49	4 54	23 51	0 16	24 4	0 23	15 16	2 29	1 24	1 10	8 24	2 25	23 33	0 13	17 32	1 30	28 20	16 42	23 46	23 46	21 21		n.a.
S 26	21 27	17 26	4 17	23 58	0 29	24 3	0 25	15 28	2 29	1 27	1 10	8 25	2 25	23 33	0 13	17 32	1 30	28 21	16 43	23 46	23 46	21 23		n.a.
S 27	21 16	21 6	3 25	24 3	0 40	24 2	0 27	15 39	2 29	1 30	1 10	8 26	2 25	23 33	0 13	17 32	1 30	28 21	16 43	23 46	23 46	21 24		n.a.
M28	21 5	23 28	2 19	24 5	0 51	24 0	0 30	15 50	2 29	1 34	1 10	8 26	2 25	23 34	0 13	17 32	1 30	28 22	16 43	23 46	23 46	21 25		n.a.
T 29	20 54	24 18	1 4	24 5	1 0	23 57	0 32	16 2	2 30	1 37	1 9	8 27	2 26	23 34	0 13	17 32	1 30	28 23	16 43	23 46	23 46	21 26		n.a.
W30	20 42	23 30	0n15	24 2	1 9	23 53	0 35	16 13	2 30	1 41	1 9	8 27	2 26	23 34	0 13	17 32	1 30	28 23	16 43	23 46	23 46	21 27		n.a.
T 31	20n30	21s 9	1n32	23n56	1n17	23n49	0n37	16s25	2s30	1s44	1n 9	8n28	2s26	23n34	0n13	17s32	1n30	28s24	16s44	23s46	23s46	21n28		n.a.

Julian Day Number = 1483461.5, Delta T = 05h20m44s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'17, Lahiri = -12°57'16 Julian Calendar 1 July 652 BCE == Greg. Calendar 24 June 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

AUGUST 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 10 1	0♌41'02	1♒10	18♋57	13♋26	7♏37	7♎ 5	27♈33	19♊38	23°R46	26°R39	29°R55	28♐28	22♉ 3	n.a.	F 1
S 2	20 13 58	1°39'15	15° 5	20°50	14°40	8°11	7°14	27°35	19°41	23♏46	26♒38	29♐51	28°25	22° 9	n.a.	S 2
S 3	20 17 54	2°37'29	28°40	22°44	15°54	8°45	7°23	27°36	19°44	23°46	26°37	29°46	28°22	22°16	n.a.	S 3
M 4	20 21 51	3°35'46	11♓55	24°38	17° 8	9°20	7°32	27°38	19°47	23°45	26°36	29°40	28°19	22°23	n.a.	M 4
T 5	20 25 47	4°34'04	24°48	26°33	18°22	9°55	7°41	27°39	19°49	23°45	26°35	29°35	28°16	22°29	n.a.	T 5
W 6	20 29 44	5°32'25	7♈21	28°29	19°36	10°30	7°50	27°41	19°52	23°45	26°34	29°31	28°12	22°36	n.a.	W 6
T 7	20 33 40	6°30'48	19°37	0♌24	20°51	11° 5	7°59	27°42	19°55	23°45	26°32	29°28	28° 9	22°43	n.a.	T 7
F 8	20 37 37	7°29'13	1♉39	2°20	22° 5	11°41	8° 8	27°43	19°58	23°44	26°31	29°26	28° 6	22°49	n.a.	F 8
S 9	20 41 33	8°27'41	13°33	4°14	23°19	12°16	8°18	27°44	20° 0	23°44	26°30	29°D26	28° 3	22°56	n.a.	S 9
S 10	20 45 30	9°26'11	25°23	6° 9	24°34	12°52	8°27	27°45	20° 3	23°44	26°29	29°27	28° 0	23° 3	n.a.	S 10
M11	20 49 26	10°24'43	7♊14	8° 3	25°48	13°29	8°37	27°46	20° 6	23°44	26°28	29°29	27°57	23° 9	n.a.	M11
T 12	20 53 23	11°23'17	19°11	9°56	27° 2	14° 5	8°47	27°46	20° 8	23°44	26°27	29°30	27°53	23°16	n.a.	T 12
W13	20 57 20	12°21'54	1♋19	11°48	28°17	14°42	8°57	27°47	20°11	23°D44	26°26	29°R31	27°50	23°23	n.a.	W13
T 14	21 1 16	13°20'33	13°41	13°39	29°31	15°19	9° 7	27°47	20°14	23°44	26°24	29°30	27°47	23°29	n.a.	T 14
F 15	21 5 13	14°19'14	26°20	15°30	0♌46	15°56	9°17	27°48	20°16	23°44	26°23	29°26	27°44	23°36	n.a.	F 15
S 16	21 9 9	15°17'57	9♌17	17°19	2° 0	16°33	9°27	27°48	20°18	23°44	26°22	29°21	27°41	23°43	n.a.	S 16
S 17	21 13 6	16°16'43	22°32	19° 8	3°15	17°11	9°37	27°48	20°21	23°44	26°21	29°14	27°37	23°49	n.a.	S 17
M18	21 17 2	17°15'30	6♍ 4	20°55	4°30	17°49	9°48	27°R48	20°23	23°44	26°20	29° 6	27°34	23°56	n.a.	M18
T 19	21 20 59	18°14'20	19°49	22°42	5°44	18°26	9°58	27°48	20°26	23°45	26°19	28°58	27°31	24° 3	n.a.	T 19
W20	21 24 55	19°13'11	3♎45	24°27	6°59	19° 5	10° 9	27°48	20°28	23°45	26°17	28°51	27°28	24° 9	n.a.	W20
T 21	21 28 52	20°12'04	17°49	26°12	8°14	19°43	10°19	27°48	20°30	23°45	26°16	28°45	27°25	24°16	n.a.	T 21
F 22	21 32 49	21°10'59	1♏56	27°56	9°28	20°21	10°30	27°47	20°32	23°45	26°15	28°41	27°22	24°23	n.a.	F 22
S 23	21 36 45	22° 9'56	16° 5	29°38	10°43	21° 0	10°41	27°47	20°35	23°46	26°14	28°D39	27°18	24°29	n.a.	S 23
S 24	21 40 42	23° 8'55	0♐13	1♍20	11°58	21°39	10°52	27°46	20°37	23°46	26°13	28°39	27°15	24°36	n.a.	S 24
M25	21 44 38	24° 7'56	14°20	3° 1	13°13	22°18	11° 3	27°45	20°39	23°46	26°11	28°40	27°12	24°43	n.a.	M25
T 26	21 48 35	25° 6'59	28°24	4°41	14°28	22°57	11°14	27°44	20°41	23°47	26°10	28°R41	27° 9	24°49	n.a.	T 26
W27	21 52 31	26° 6'04	12♑24	6°20	15°43	23°36	11°25	27°43	20°43	23°47	26° 9	28°40	27° 6	24°56	n.a.	W27
T 28	21 56 28	27° 5'10	26°18	7°58	16°58	24°16	11°36	27°42	20°45	23°48	26° 8	28°37	27° 3	25° 3	n.a.	T 28
F 29	22 0 24	28° 4'19	10♒ 3	9°35	18°12	24°56	11°47	27°41	20°47	23°48	26° 7	28°31	26°59	25° 9	n.a.	F 29
S 30	22 4 21	29° 3'29	23°37	11°12	19°27	25°35	11°59	27°40	20°49	23°49	26° 5	28°23	26°56	25°16	n.a.	S 30
S 31	22 8 17	0♍ 2'42	6♓57	12♍47	20♌42	26♏15	12♎10	27♈38	20♊50	23♏49	26♒ 4	28♐13	26♐53	25♉23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n17	17s32	2n43	23n48	1n24	23n44	0n39	16s36	2s30	1s48	1n 9	8n28	2s26	23n35	0n13	17s32	1n30	28s24	16s44	23s46	23s46	21n29		n.a.
S 2	20 4	13 0	3 42	23 37	1 30	23 38	0 41	16 47	2 30	1 52	1 8	8 29	2 27	23 35	0 13	17 32	1 30	28 25	16 44	23 46	23 46	21 30		n.a.
S 3	19 51	7 56	4 27	23 23	1 35	23 32	0 43	16 59	2 30	1 56	1 8	8 29	2 27	23 35	0 13	17 32	1 30	28 25	16 44	23 46	23 46	21 31		n.a.
M 4	19 37	2 37	4 57	23 7	1 39	23 25	0 45	17 10	2 30	1 59	1 8	8 29	2 27	23 35	0 13	17 32	1 30	28 26	16 44	23 46	23 46	21 32		n.a.
T 5	19 23	2n39	5 10	22 49	1 43	23 17	0 48	17 22	2 30	2 3	1 8	8 30	2 27	23 36	0 13	17 32	1 30	28 26	16 44	23 46	23 46	21 33		n.a.
W 6	19 9	7 40	5 9	22 28	1 45	23 8	0 50	17 33	2 30	2 7	1 8	8 30	2 28	23 36	0 13	17 32	1 30	28 27	16 45	23 46	23 46	21 35		n.a.
T 7	18 54	12 17	4 53	22 5	1 47	22 59	0 52	17 44	2 30	2 11	1 7	8 30	2 28	23 36	0 13	17 32	1 29	28 27	16 45	23 46	23 46	21 36		n.a.
F 8	18 39	16 20	4 24	21 40	1 48	22 49	0 54	17 55	2 30	2 15	1 7	8 30	2 28	23 36	0 13	17 32	1 29	28 28	16 45	23 46	23 46	21 37		n.a.
S 9	18 24	19 41	3 44	21 13	1 49	22 38	0 55	18 7	2 30	2 19	1 7	8 31	2 28	23 37	0 13	17 32	1 29	28 29	16 45	23 46	23 46	21 38		n.a.
S 10	18 8	22 12	2 55	20 45	1 48	22 27	0 57	18 18	2 30	2 23	1 7	8 31	2 28	23 37	0 13	17 32	1 29	28 29	16 45	23 46	23 45	21 39		n.a.
M11	17 52	23 46	1 58	20 14	1 48	22 15	0 59	18 29	2 30	2 27	1 6	8 31	2 29	23 37	0 13	17 32	1 29	28 30	16 45	23 46	23 45	21 40		n.a.
T 12	17 36	24 15	0 56	19 43	1 46	22 2	1 1	18 40	2 30	2 31	1 6	8 31	2 29	23 37	0 13	17 32	1 29	28 30	16 45	23 46	23 45	21 41		n.a.
W13	17 20	23 36	0s10	19 9	1 44	21 49	1 2	18 51	2 30	2 35	1 6	8 31	2 29	23 37	0 13	17 32	1 29	28 31	16 45	23 46	23 45	21 42		n.a.
T 14	17 3	21 48	1 16	18 35	1 42	21 35	1 4	19 2	2 30	2 39	1 6	8 31	2 29	23 38	0 13	17 32	1 29	28 31	16 46	23 46	23 45	21 43		n.a.
F 15	16 46	18 53	2 20	17 59	1 39	21 20	1 6	19 13	2 29	2 43	1 6	8 31	2 30	23 38	0 13	17 32	1 29	28 32	16 46	23 46	23 45	21 44		n.a.
S 16	16 28	15 0	3 18	17 23	1 36	21 5	1 7	19 24	2 29	2 48	1 5	8 30	2 30	23 38	0 13	17 32	1 29	28 32	16 46	23 46	23 45	21 45		n.a.
S 17	16 11	10 18	4 7	16 45	1 32	20 49	1 9	19 35	2 29	2 52	1 5	8 30	2 30	23 38	0 13	17 32	1 29	28 33	16 46	23 46	23 45	21 46		n.a.
M18	15 53	5 2	4 43	16 7	1 28	20 32	1 10	19 45	2 29	2 56	1 5	8 30	2 30	23 38	0 13	17 32	1 29	28 33	16 46	23 46	23 45	21 47		n.a.
T 19	15 34	0s33	5 3	15 27	1 24	20 15	1 11	19 56	2 29	3 1	1 5	8 30	2 31	23 39	0 13	17 32	1 29	28 34	16 46	23 46	23 45	21 48		n.a.
W20	15 16	6 11	5 6	14 47	1 19	19 57	1 13	20 7	2 29	3 5	1 5	8 30	2 31	23 39	0 13	17 32	1 29	28 34	16 46	23 46	23 45	21 49		n.a.
T 21	14 57	11 32	4 50	14 7	1 14	19 39	1 14	20 17	2 28	3 9	1 4	8 29	2 31	23 39	0 13	17 32	1 29	28 35	16 46	23 46	23 45	21 50		n.a.
F 22	14 38	16 19	4 17	13 26	1 9	19 20	1 15	20 27	2 28	3 14	1 4	8 29	2 31	23 39	0 13	17 33	1 29	28 35	16 46	23 46	23 45	21 51		n.a.
S 23	14 19	20 12	3 28	12 44	1 3	19 1	1 16	20 38	2 28	3 18	1 4	8 28	2 32	23 39	0 13	17 33	1 29	28 36	16 46	23 46	23 45	21 52		n.a.
S 24	13 59	22 52	2 27	12 3	0 57	18 41	1 17	20 48	2 27	3 23	1 4	8 28	2 32	23 40	0 13	17 33	1 28	28 36	16 46	23 46	23 45	21 53		n.a.
M25	13 40	24 6	1 16	11 20	0 52	18 20	1 18	20 58	2 27	3 27	1 4	8 28	2 32	23 40	0 13	17 33	1 28	28 37	16 46	23 46	23 45	21 54		n.a.
T 26	13 20	23 47	0 2	10 38	0 45	17 59	1 19	21 8	2 27	3 32	1 4	8 27	2 32	23 40	0 13	17 33	1 28	28 37	16 46	23 46	23 45	21 55		n.a.
W27	13 0	21 59	1n13	9 55	0 39	17 37	1 20	21 18	2 27	3 36	1 3	8 26	2 32	23 40	0 13	17 33	1 28	28 37	16 46	23 46	23 44	21 56		n.a.
T 28	12 39	18 52	2 22	9 12	0 33	17 15	1 21	21 28	2 26	3 41	1 3	8 26	2 33	23 40	0 14	17 34	1 28	28 38	16 46	23 46	23 44	21 56		n.a.
F 29	12 19	14 44	3 22	8 29	0 26	16 53	1 22	21 37	2 26	3 46	1 3	8 25	2 33	23 40	0 14	17 34	1 28	28 38	16 46	23 46	23 44	21 57		n.a.
S 30	11 58	9 54	4 10	7 46	0 20	16 30	1 22	21 47	2 25	3 50	1 3	8 25	2 33	23 41	0 14	17 34	1 28	28 39	16 46	23 46	23 44	21 58		n.a.
S 31	11n37	4s43	4n43	7n 3	0n13	16n 6	1n23	21s56	2s25	3s55	1n 3	8n24	2s33	23n41	0n14	17s34	1n28	28s39	16s46	23s46	23s44	21n59		n.a.

Julian Day Number = 1483492.5, Delta T = 05h20m43s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'13, Lahiri = -12°57'12 Julian Calendar 1 Aug. 652 BCE == Greg. Calendar 25 July 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

SEPTEMBER 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 12 14	1♍ 1'56	20♓ 0	14♍22	21♌57	26♏55	12♎22	27°R37	20♊52	23♏50	26°R 3	28°R 2	26♐50	25♉29	n.a.	M 1
T 2	22 16 11	2° 1'14	2♈47	15°56	23°12	27°35	12°33	27♈35	20°54	23°51	26♒ 2	27♐51	26°47	25°36	n.a.	T 2
W 3	22 20 7	3° 0'33	15°16	17°29	24°28	28°16	12°45	27°34	20°56	23°51	26° 1	27°41	26°43	25°43	n.a.	W 3
T 4	22 24 4	3°59'55	27°30	19° 2	25°43	28°56	12°57	27°32	20°57	23°52	25°59	27°33	26°40	25°49	n.a.	T 4
F 5	22 28 0	4°59'19	9♉31	20°33	26°58	29°37	13° 9	27°30	20°59	23°53	25°58	27°27	26°37	25°56	n.a.	F 5
S 6	22 31 57	5°58'45	21°24	22° 4	28°13	0♐18	13°20	27°28	21° 0	23°53	25°57	27°24	26°34	26° 3	n.a.	S 6
S 7	22 35 53	6°58'14	3♊13	23°34	29°28	0°58	13°32	27°26	21° 2	23°54	25°56	27°D23	26°31	26° 9	n.a.	S 7
M 8	22 39 50	7°57'46	15° 3	25° 3	0♍43	1°39	13°44	27°23	21° 3	23°55	25°55	27°23	26°28	26°16	n.a.	M 8
T 9	22 43 46	8°57'20	27° 0	26°32	1°58	2°20	13°56	27°21	21° 5	23°56	25°54	27°R23	26°24	26°23	n.a.	T 9
W10	22 47 43	9°56'56	9♋10	28° 0	3°14	3° 2	14° 9	27°18	21° 6	23°57	25°52	27°23	26°21	26°29	n.a.	W10
T 11	22 51 40	10°56'35	21°36	29°27	4°29	3°43	14°21	27°16	21° 7	23°58	25°51	27°20	26°18	26°36	n.a.	T 11
F 12	22 55 36	11°56'16	4♌23	0♎53	5°44	4°24	14°33	27°13	21° 8	23°59	25°50	27°15	26°15	26°43	n.a.	F 12
S 13	22 59 33	12°55'59	17°34	2°18	6°59	5° 6	14°45	27°11	21°10	24° 0	25°49	27° 8	26°12	26°49	n.a.	S 13
S 14	23 3 29	13°55'45	1♍ 8	3°43	8°15	5°48	14°58	27° 8	21°11	24° 1	25°48	26°58	26° 8	26°56	n.a.	S 14
M15	23 7 26	14°55'32	15° 3	5° 7	9°30	6°29	15°10	27° 5	21°12	24° 2	25°47	26°46	26° 5	27° 3	n.a.	M15
T 16	23 11 22	15°55'22	29°16	6°29	10°45	7°11	15°23	27° 2	21°13	24° 3	25°46	26°34	26° 2	27° 9	n.a.	T 16
W17	23 15 19	16°55'14	13♎40	7°51	12° 1	7°53	15°35	26°59	21°14	24° 4	25°44	26°23	25°59	27°16	n.a.	W17
T 18	23 19 15	17°55'08	28° 9	9°12	13°16	8°35	15°48	26°55	21°15	24° 5	25°43	26°13	25°56	27°23	n.a.	T 18
F 19	23 23 12	18°55'03	12♏37	10°32	14°32	9°18	16° 0	26°52	21°15	24° 6	25°42	26° 7	25°53	27°29	n.a.	F 19
S 20	23 27 8	19°55'01	26°59	11°50	15°47	10° 0	16°13	26°49	21°16	24° 8	25°41	26° 3	25°49	27°36	n.a.	S 20
S 21	23 31 5	20°55'00	11♐11	13° 7	17° 2	10°42	16°26	26°45	21°17	24° 9	25°40	26° 2	25°46	27°43	n.a.	S 21
M22	23 35 2	21°55'01	25°14	14°23	18°18	11°25	16°38	26°42	21°18	24°10	25°39	26° 2	25°43	27°49	n.a.	M22
T 23	23 38 58	22°55'04	9♑ 5	15°38	19°33	12° 7	16°51	26°38	21°18	24°11	25°38	26° 1	25°40	27°56	n.a.	T 23
W24	23 42 55	23°55'08	22°46	16°51	20°49	12°50	17° 4	26°34	21°19	24°13	25°37	26° 0	25°37	28° 3	n.a.	W24
T 25	23 46 51	24°55'15	6♒17	18° 2	22° 4	13°33	17°17	26°31	21°19	24°14	25°36	25°55	25°34	28° 9	n.a.	T 25
F 26	23 50 48	25°55'22	19°37	19°11	23°19	14°15	17°30	26°27	21°20	24°15	25°35	25°48	25°30	28°16	n.a.	F 26
S 27	23 54 44	26°55'32	2♓48	20°18	24°35	14°58	17°43	26°23	21°20	24°17	25°34	25°38	25°27	28°23	n.a.	S 27
S 28	23 58 41	27°55'43	15°46	21°22	25°50	15°41	17°56	26°19	21°21	24°18	25°33	25°25	25°24	28°29	n.a.	S 28
M29	0 2 37	28°55'57	28°33	22°24	27° 6	16°24	18° 9	26°15	21°21	24°20	25°32	25°12	25°21	28°36	n.a.	M29
T 30	0 6 34	29♍56'12	11♈ 6	23♎23	28♍21	17♐ 7	18♎22	26♈11	21♊21	24♏21	25♒31	24♐58	25♐18	28♉43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	11n16	0n35	5n 0	6n20	0n 6	15n42	1n24	22s 5	2s25	4s 0	1n 2	8n23	2s33	23n41	0n14	17s34	1n28	28s40	16s46	23s46	23s44	22n 0		n.a.
T 2	10 54	5 44	5 2	5 37	0s 1	15 18	1 24	22 14	2 24	4 4	1 2	8 22	2 34	23 41	0 14	17 35	1 28	28 40	16 46	23 45	23 44	22 1		n.a.
W 3	10 33	10 32	4 49	4 53	0 8	14 53	1 24	22 23	2 24	4 9	1 2	8 21	2 34	23 41	0 14	17 35	1 28	28 40	16 46	23 45	23 44	22 2		n.a.
T 4	10 11	14 49	4 23	4 10	0 15	14 27	1 25	22 32	2 23	4 14	1 2	8 21	2 34	23 41	0 14	17 35	1 28	28 41	16 46	23 45	23 44	22 3		n.a.
F 5	9 49	18 26	3 46	3 27	0 22	14 2	1 25	22 40	2 23	4 19	1 2	8 20	2 34	23 41	0 14	17 35	1 28	28 41	16 46	23 45	23 44	22 4		n.a.
S 6	9 27	21 15	2 59	2 45	0 29	13 35	1 25	22 49	2 23	4 24	1 2	8 19	2 35	23 41	0 14	17 35	1 28	28 42	16 46	23 45	23 44	22 5		n.a.
S 7	9 4	23 8	2 5	2 2	0 36	13 9	1 25	22 57	2 22	4 28	1 2	8 18	2 35	23 42	0 14	17 36	1 28	28 42	16 46	23 45	23 44	22 5		n.a.
M 8	8 42	24 0	1 5	1 20	0 43	12 42	1 26	23 5	2 22	4 33	1 1	8 17	2 35	23 42	0 14	17 36	1 28	28 42	16 46	23 45	23 44	22 6		n.a.
T 9	8 19	23 46	0 2	0 38	0 50	12 15	1 26	23 13	2 21	4 38	1 1	8 16	2 35	23 42	0 14	17 36	1 28	28 43	16 46	23 45	23 43	22 7		n.a.
W10	7 57	22 25	1s 2	0s 4	0 58	11 47	1 26	23 21	2 21	4 43	1 1	8 15	2 35	23 42	0 14	17 37	1 27	28 43	16 46	23 45	23 43	22 8		n.a.
T 11	7 34	19 58	2 5	0 46	1 5	11 19	1 25	23 29	2 20	4 48	1 1	8 14	2 35	23 42	0 14	17 37	1 27	28 43	16 46	23 45	23 43	22 9		n.a.
F 12	7 11	16 28	3 3	1 27	1 12	10 51	1 25	23 36	2 19	4 53	1 1	8 13	2 36	23 42	0 14	17 37	1 27	28 44	16 46	23 45	23 43	22 10		n.a.
S 13	6 48	12 5	3 53	2 8	1 18	10 23	1 25	23 43	2 19	4 58	1 1	8 11	2 36	23 42	0 14	17 37	1 27	28 44	16 45	23 45	23 43	22 11		n.a.
S 14	6 24	7 0	4 31	2 48	1 25	9 54	1 25	23 51	2 18	5 3	1 0	8 10	2 36	23 42	0 14	17 38	1 27	28 44	16 45	23 44	23 43	22 11		n.a.
M15	6 1	1 27	4 55	3 28	1 32	9 25	1 24	23 57	2 18	5 8	1 0	8 9	2 36	23 42	0 14	17 38	1 27	28 45	16 45	23 44	23 43	22 12		n.a.
T 16	5 38	4s17	5 0	4 7	1 39	8 56	1 24	24 4	2 17	5 13	1 0	8 8	2 36	23 43	0 14	17 38	1 27	28 45	16 45	23 44	23 43	22 13		n.a.
W17	5 14	9 52	4 47	4 46	1 45	8 26	1 23	24 11	2 17	5 18	1 0	8 6	2 36	23 43	0 14	17 39	1 27	28 45	16 45	23 43	23 43	22 14		n.a.
T 18	4 50	14 56	4 16	5 24	1 52	7 56	1 23	24 17	2 16	5 23	1 0	8 5	2 37	23 43	0 14	17 39	1 27	28 46	16 45	23 43	23 43	22 15		n.a.
F 19	4 27	19 8	3 28	6 1	1 58	7 26	1 22	24 23	2 15	5 28	1 0	8 4	2 37	23 43	0 14	17 39	1 27	28 46	16 45	23 43	23 43	22 16		n.a.
S 20	4 3	22 8	2 27	6 38	2 4	6 56	1 22	24 29	2 15	5 33	1 0	8 2	2 37	23 43	0 14	17 40	1 27	28 46	16 45	23 43	23 42	22 16		n.a.
S 21	3 39	23 43	1 18	7 14	2 10	6 26	1 21	24 35	2 14	5 38	1 0	8 1	2 37	23 43	0 14	17 40	1 27	28 46	16 44	23 43	23 42	22 17		n.a.
M22	3 15	23 45	0 4	7 49	2 15	5 55	1 20	24 40	2 14	5 43	0 59	8 0	2 37	23 43	0 14	17 40	1 27	28 47	16 44	23 43	23 42	22 18		n.a.
T 23	2 51	22 19	1n 8	8 23	2 21	5 24	1 19	24 45	2 13	5 48	0 59	7 58	2 37	23 43	0 14	17 41	1 27	28 47	16 44	23 43	23 42	22 19		n.a.
W24	2 27	19 35	2 16	8 57	2 26	4 53	1 18	24 50	2 12	5 53	0 59	7 57	2 37	23 43	0 14	17 41	1 27	28 47	16 44	23 43	23 42	22 19		n.a.
T 25	2 3	15 49	3 15	9 29	2 30	4 22	1 17	24 55	2 12	5 58	0 59	7 55	2 38	23 43	0 14	17 42	1 27	28 47	16 44	23 43	23 42	22 20		n.a.
F 26	1 39	11 18	4 3	9 59	2 35	3 51	1 16	25 0	2 11	6 3	0 59	7 54	2 38	23 43	0 14	17 42	1 27	28 47	16 44	23 42	23 42	22 21		n.a.
S 27	1 14	6 19	4 37	10 29	2 39	3 20	1 15	25 4	2 10	6 8	0 59	7 52	2 38	23 43	0 14	17 42	1 27	28 48	16 43	23 42	23 42	22 22		n.a.
S 28	0 50	1 9	4 56	10 57	2 42	2 48	1 14	25 8	2 10	6 14	0 59	7 51	2 38	23 43	0 14	17 43	1 27	28 48	16 43	23 42	23 42	22 22		n.a.
M29	0 26	3n59	4 59	11 24	2 46	2 17	1 13	25 12	2 9	6 19	0 59	7 49	2 38	23 43	0 14	17 43	1 27	28 48	16 43	23 41	23 41	22 23		n.a.
T 30	0n 2	8n51	4n48	11s48	2s48	1n45	1n11	25s16	2s 8	6s24	0n58	7n47	2s38	23n43	0n14	17s44	1n26	28s48	16s43	23s41	23s41	22n24		n.a.

Julian Day Number = 1483523.5, Delta T = 05h20m41s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'08, Lahiri = -12°57'08 Julian Calendar 1 Sept. 652 BCE == Greg. Calendar 25 Aug. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

OCTOBER 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 10 31	0♎56'29	23♈26	24♎19	29♍37	17♐50	18♎35	26°R 6	21♊21	24♏23	25°R30	24°R45	25♐14	28♉49	n.a.	W 1
T 2	0 14 27	1°56'48	5♉34	25°11	0♎52	18°34	18°48	26♈ 2	21°22	24°24	25♒29	24♐34	25°11	28°56	n.a.	T 2
F 3	0 18 24	2°57'09	17°32	25°59	2° 8	19°17	19° 1	25°58	21°22	24°26	25°28	24°27	25° 8	29° 3	n.a.	F 3
S 4	0 22 20	3°57'32	29°22	26°43	3°23	20° 0	19°14	25°53	21°R22	24°27	25°27	24°22	25° 5	29° 9	n.a.	S 4
S 5	0 26 17	4°57'57	11♊ 9	27°21	4°39	20°44	19°28	25°49	21°22	24°29	25°26	24°19	25° 2	29°16	n.a.	S 5
M 6	0 30 13	5°58'24	22°57	27°53	5°54	21°27	19°41	25°44	21°22	24°31	25°25	24°D18	24°59	29°23	n.a.	M 6
T 7	0 34 10	6°58'54	4♋52	28°20	7°10	22°10	19°54	25°40	21°21	24°32	25°25	24°R19	24°55	29°29	n.a.	T 7
W 8	0 38 6	7°59'25	17° 0	28°39	8°25	22°54	20° 7	25°35	21°21	24°34	25°24	24°18	24°52	29°36	n.a.	W 8
T 9	0 42 3	8°59'58	29°24	28°50	9°41	23°38	20°21	25°31	21°21	24°36	25°23	24°17	24°49	29°43	n.a.	T 9
F 10	0 45 59	10° 0'33	12♌12	28°R53	10°56	24°21	20°34	25°26	21°21	24°37	25°22	24°13	24°46	29°49	n.a.	F 10
S 11	0 49 56	11° 1'10	25°26	28°47	12°12	25° 5	20°48	25°21	21°20	24°39	25°21	24° 6	24°43	29°56	n.a.	S 11
S 12	0 53 53	12° 1'49	9♍ 7	28°31	13°27	25°49	21° 1	25°16	21°20	24°41	25°21	23°57	24°39	0♊ 3	n.a.	S 12
M13	0 57 49	13° 2'30	23°15	28° 5	14°43	26°33	21°14	25°12	21°20	24°43	25°20	23°46	24°36	0° 9	n.a.	M13
T 14	1 1 46	14° 3'12	7♎47	27°29	15°58	27°16	21°28	25° 7	21°19	24°44	25°19	23°35	24°33	0°16	n.a.	T 14
W15	1 5 42	15° 3'56	22°34	26°42	17°14	28° 0	21°41	25° 2	21°18	24°46	25°18	23°24	24°30	0°23	n.a.	W15
T 16	1 9 39	16° 4'41	7♏29	25°46	18°30	28°44	21°55	24°57	21°18	24°48	25°18	23°15	24°27	0°29	n.a.	T 16
F 17	1 13 35	17° 5'28	22°22	24°41	19°45	29°28	22° 8	24°52	21°17	24°50	25°17	23° 9	24°24	0°36	n.a.	F 17
S 18	1 17 32	18° 6'16	7♐ 6	23°28	21° 1	0♑12	22°21	24°47	21°16	24°52	25°16	23° 6	24°20	0°43	n.a.	S 18
S 19	1 21 28	19° 7'06	21°36	22°10	22°16	0°56	22°35	24°42	21°16	24°54	25°16	23°D 5	24°17	0°49	n.a.	S 19
M20	1 25 25	20° 7'56	5♑48	20°48	23°32	1°41	22°48	24°37	21°15	24°56	25°15	23° 5	24°14	0°56	n.a.	M20
T 21	1 29 22	21° 8'48	19°41	19°27	24°47	2°25	23° 2	24°32	21°14	24°58	25°15	23°R 6	24°11	1° 3	n.a.	T 21
W22	1 33 18	22° 9'41	3♒15	18° 7	26° 3	3° 9	23°15	24°27	21°13	25° 0	25°14	23° 5	24° 8	1° 9	n.a.	W22
T 23	1 37 15	23°10'34	16°34	16°53	27°18	3°53	23°29	24°22	21°12	25° 2	25°13	23° 2	24° 5	1°16	n.a.	T 23
F 24	1 41 11	24°11'29	29°37	15°46	28°34	4°37	23°42	24°17	21°11	25° 4	25°13	22°57	24° 1	1°23	n.a.	F 24
S 25	1 45 8	25°12'24	12♓28	14°48	29°49	5°22	23°56	24°12	21°10	25° 6	25°12	22°50	23°58	1°29	n.a.	S 25
S 26	1 49 4	26°13'21	25° 7	14° 0	1♏ 5	6° 6	24° 9	24° 8	21° 9	25° 8	25°12	22°40	23°55	1°36	n.a.	S 26
M27	1 53 1	27°14'18	7♈34	13°24	2°20	6°50	24°23	24° 3	21° 8	25°10	25°11	22°29	23°52	1°42	n.a.	M27
T 28	1 56 57	28°15'17	19°52	12°59	3°36	7°35	24°36	23°58	21° 6	25°12	25°11	22°18	23°49	1°49	n.a.	T 28
W29	2 0 54	29°16'17	2♉ 0	12°46	4°51	8°19	24°50	23°53	21° 5	25°14	25°10	22° 8	23°45	1°56	n.a.	W29
T 30	2 4 51	0♏17'17	14° 0	12°D44	6° 7	9° 3	25° 3	23°48	21° 4	25°16	25°10	22° 0	23°42	2° 2	n.a.	T 30
F 31	2 8 47	1♏18'19	25♉53	12♎52	7♏22	9♑48	25♎17	23♈43	21♊ 2	25♏18	25♒10	21♐54	23♐39	2♊ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	0s23	13n18	4n24	12s11	2s50	1n14	1n10	25s19	2s 7	6s29	0n58	7n46	2s38	23n43	0n14	17s44	1n26	28s48	16s43	23s40	23s41	22n25		n.a.
T 2	0 47	17 8	3 48	12 32	2 52	0 42	1 9	25 23	2 7	6 34	0 58	7 44	2 38	23 44	0 14	17 44	1 26	28 48	16 42	23 40	23 41	22 25		n.a.
F 3	1 11	20 12	3 2	12 51	2 52	0 10	1 7	25 26	2 6	6 39	0 58	7 43	2 38	23 44	0 14	17 45	1 26	28 49	16 42	23 39	23 41	22 26		n.a.
S 4	1 36	22 23	2 8	13 7	2 52	0s22	1 6	25 28	2 5	6 44	0 58	7 41	2 39	23 44	0 14	17 45	1 26	28 49	16 42	23 39	23 41	22 27		n.a.
S 5	2 0	23 34	1 9	13 20	2 51	0 53	1 4	25 31	2 5	6 50	0 58	7 39	2 39	23 44	0 14	17 46	1 26	28 49	16 42	23 39	23 41	22 28		n.a.
M 6	2 24	23 42	0 7	13 30	2 49	1 25	1 3	25 33	2 4	6 55	0 58	7 37	2 39	23 44	0 14	17 46	1 26	28 49	16 42	23 39	23 41	22 28		n.a.
T 7	2 49	22 45	0s56	13 37	2 46	1 57	1 1	25 35	2 3	7 0	0 58	7 36	2 39	23 44	0 14	17 47	1 26	28 49	16 41	23 39	23 40	22 29		n.a.
W 8	3 13	20 44	1 57	13 40	2 42	2 29	0 59	25 37	2 2	7 5	0 58	7 34	2 39	23 44	0 14	17 47	1 26	28 49	16 41	23 39	23 40	22 30		n.a.
T 9	3 37	17 43	2 55	13 39	2 37	3 0	0 58	25 38	2 2	7 10	0 58	7 32	2 39	23 44	0 14	17 48	1 26	28 49	16 41	23 39	23 40	22 30		n.a.
F 10	4 1	13 46	3 45	13 33	2 30	3 32	0 56	25 40	2 1	7 15	0 57	7 30	2 39	23 44	0 14	17 48	1 26	28 49	16 41	23 39	23 40	22 31		n.a.
S 11	4 25	9 3	4 26	13 23	2 21	4 3	0 54	25 41	2 0	7 21	0 57	7 29	2 39	23 44	0 14	17 48	1 26	28 49	16 40	23 38	23 40	22 32		n.a.
S 12	4 49	3 45	4 52	13 8	2 11	4 35	0 52	25 41	1 59	7 26	0 57	7 27	2 39	23 44	0 15	17 49	1 26	28 49	16 40	23 38	23 40	22 32		n.a.
M13	5 13	1s54	5 2	12 47	1 59	5 6	0 50	25 42	1 58	7 31	0 57	7 25	2 39	23 44	0 15	17 49	1 26	28 49	16 40	23 37	23 40	22 33		n.a.
T 14	5 37	7 36	4 53	12 22	1 46	5 37	0 49	25 42	1 58	7 36	0 57	7 23	2 39	23 44	0 15	17 50	1 26	28 49	16 40	23 37	23 40	22 34		n.a.
W15	6 1	12 59	4 25	11 50	1 30	6 9	0 47	25 42	1 57	7 41	0 57	7 22	2 39	23 44	0 15	17 50	1 26	28 49	16 39	23 36	23 39	22 34		n.a.
T 16	6 25	17 37	3 38	11 14	1 13	6 40	0 45	25 42	1 56	7 46	0 57	7 20	2 39	23 44	0 15	17 51	1 26	28 49	16 39	23 36	23 39	22 35		n.a.
F 17	6 48	21 8	2 36	10 32	0 55	7 10	0 43	25 41	1 55	7 51	0 57	7 18	2 39	23 44	0 15	17 51	1 26	28 49	16 39	23 36	23 39	22 36		n.a.
S 18	7 12	23 11	1 24	9 47	0 35	7 41	0 40	25 41	1 54	7 57	0 57	7 16	2 39	23 44	0 15	17 52	1 26	28 49	16 38	23 35	23 39	22 36		n.a.
S 19	7 35	23 38	0 8	8 59	0 15	8 12	0 38	25 40	1 53	8 2	0 57	7 14	2 39	23 43	0 15	17 52	1 26	28 49	16 38	23 35	23 39	22 37		n.a.
M20	7 59	22 31	1n 7	8 9	0n 6	8 42	0 36	25 38	1 53	8 7	0 57	7 13	2 39	23 43	0 15	17 53	1 26	28 49	16 38	23 35	23 39	22 38		n.a.
T 21	8 22	20 3	2 17	7 19	0 26	9 12	0 34	25 37	1 52	8 12	0 57	7 11	2 39	23 43	0 15	17 53	1 26	28 49	16 38	23 35	23 39	22 38		n.a.
W22	8 45	16 30	3 17	6 30	0 46	9 42	0 32	25 35	1 51	8 17	0 57	7 9	2 39	23 43	0 15	17 54	1 26	28 49	16 37	23 35	23 38	22 39		n.a.
T 23	9 8	12 11	4 6	5 43	1 5	10 12	0 30	25 33	1 50	8 22	0 57	7 7	2 39	23 43	0 15	17 54	1 26	28 49	16 37	23 35	23 38	22 39		n.a.
F 24	9 30	7 23	4 40	5 1	1 22	10 41	0 27	25 31	1 49	8 27	0 56	7 5	2 39	23 43	0 15	17 55	1 25	28 49	16 37	23 35	23 38	22 40		n.a.
S 25	9 53	2 22	5 0	4 24	1 38	11 10	0 25	25 28	1 48	8 32	0 56	7 4	2 39	23 43	0 15	17 55	1 25	28 49	16 36	23 35	23 38	22 41		n.a.
S 26	10 16	2n41	5 5	3 53	1 52	11 39	0 23	25 25	1 48	8 37	0 56	7 2	2 39	23 43	0 15	17 56	1 25	28 49	16 36	23 34	23 38	22 41		n.a.
M27	10 38	7 33	4 55	3 28	2 4	12 8	0 21	25 22	1 47	8 43	0 56	7 0	2 39	23 43	0 15	17 56	1 25	28 49	16 36	23 33	23 38	22 42		n.a.
T 28	11 0	12 2	4 31	3 9	2 14	12 36	0 18	25 19	1 46	8 48	0 56	6 58	2 39	23 43	0 15	17 57	1 25	28 48	16 35	23 33	23 38	22 42		n.a.
W29	11 22	16 0	3 55	2 57	2 21	13 4	0 16	25 15	1 45	8 53	0 56	6 56	2 38	23 43	0 15	17 58	1 25	28 48	16 35	23 32	23 37	22 43		n.a.
T 30	11 44	19 16	3 9	2 50	2 27	13 32	0 14	25 11	1 44	8 58	0 56	6 55	2 38	23 43	0 15	17 58	1 25	28 48	16 35	23 32	23 37	22 43		n.a.
F 31	12s 5	21n41	2n15	2s50	2n31	13s59	0n11	25s 7	1s43	9s 3	0n56	6n53	2s38	23n43	0n15	17s59	1n25	28s48	16s34	23s31	23s37	22n44		n.a.

Julian Day Number = 1483553.5, Delta T = 05h20m40s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'04, Lahiri = -12°57'04 Julian Calendar 1 Oct. 652 BCE == Greg. Calendar 24 Sept. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

NOVEMBER 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 12 44	2♏19'23	7♊41	13♎10	8♏38	10♑32	25♎30	23°R38	21°R 1	25♏20	25°R 9	21°R51	23♐36	2♊16	n.a.	S 1
S 2	2 16 40	3°20'27	19°27	13°36	9°53	11°17	25°44	23♈33	21♊ 0	25°22	25♒ 9	21°D49	23°33	2°22	n.a.	S 2
M 3	2 20 37	4°21'32	1♋16	14°11	11° 9	12° 1	25°57	23°28	20°58	25°25	25° 9	21♐50	23°30	2°29	n.a.	M 3
T 4	2 24 33	5°22'39	13°10	14°52	12°24	12°45	26°10	23°23	20°56	25°27	25° 8	21°51	23°26	2°36	n.a.	T 4
W 5	2 28 30	6°23'47	25°15	15°40	13°39	13°30	26°24	23°18	20°55	25°29	25° 8	21°52	23°23	2°42	n.a.	W 5
T 6	2 32 26	7°24'55	7♌36	16°33	14°55	14°14	26°37	23°14	20°53	25°31	25° 8	21°R53	23°20	2°49	n.a.	T 6
F 7	2 36 23	8°26'05	20°18	17°31	16°10	14°59	26°51	23° 9	20°52	25°33	25° 8	21°52	23°17	2°56	n.a.	F 7
S 8	2 40 20	9°27'16	3♍26	18°33	17°26	15°43	27° 4	23° 4	20°50	25°35	25° 7	21°50	23°14	3° 2	n.a.	S 8
S 9	2 44 16	10°28'27	17° 3	19°39	18°41	16°28	27°17	23° 0	20°48	25°38	25° 7	21°45	23°11	3° 9	n.a.	S 9
M10	2 48 13	11°29'40	1♎ 8	20°48	19°57	17°12	27°31	22°55	20°46	25°40	25° 7	21°39	23° 7	3°16	n.a.	M10
T 11	2 52 9	12°30'54	15°41	22° 0	21°12	17°57	27°44	22°51	20°44	25°42	25° 7	21°33	23° 4	3°22	n.a.	T 11
W12	2 56 6	13°32'08	0♏36	23°15	22°28	18°42	27°57	22°46	20°42	25°44	25° 7	21°27	23° 1	3°29	n.a.	W12
T 13	3 0 2	14°33'23	15°44	24°31	23°43	19°26	28°11	22°42	20°41	25°46	25° 7	21°22	22°58	3°36	n.a.	T 13
F 14	3 3 59	15°34'38	0♐57	25°50	24°58	20°11	28°24	22°37	20°39	25°49	25° 7	21°18	22°55	3°42	n.a.	F 14
S 15	3 7 56	16°35'54	16° 2	27° 9	26°14	20°55	28°37	22°33	20°37	25°51	25° 7	21°D17	22°51	3°49	n.a.	S 15
S 16	3 11 52	17°37'11	0♑54	28°31	27°29	21°40	28°50	22°29	20°35	25°53	25°D 7	21°17	22°48	3°56	n.a.	S 16
M17	3 15 49	18°38'27	15°24	29°53	28°45	22°24	29° 3	22°24	20°32	25°55	25° 7	21°18	22°45	4° 2	n.a.	M17
T 18	3 19 45	19°39'44	29°30	1♏17	29°59	23° 9	29°16	22°20	20°30	25°58	25° 7	21°20	22°42	4° 9	n.a.	T 18
W19	3 23 42	20°41'00	13♒12	2°42	1♐15	23°53	29°30	22°16	20°28	26° 0	25° 7	21°21	22°39	4°16	n.a.	W19
T 20	3 27 38	21°42'16	26°31	4° 7	2°31	24°38	29°43	22°12	20°26	26° 2	25° 7	21°R21	22°36	4°22	n.a.	T 20
F 21	3 31 35	22°43'33	9♓30	5°33	3°46	25°23	29°56	22° 8	20°24	26° 5	25° 7	21°20	22°32	4°29	n.a.	F 21
S 22	3 35 31	23°44'49	22°10	7° 0	5° 1	26° 7	0♏ 9	22° 4	20°22	26° 7	25° 7	21°17	22°29	4°36	n.a.	S 22
S 23	3 39 28	24°46'05	4♈36	8°28	6°17	26°52	0°21	22° 1	20°19	26° 9	25° 7	21°14	22°26	4°42	n.a.	S 23
M24	3 43 25	25°47'21	16°50	9°56	7°32	27°36	0°34	21°57	20°17	26°11	25° 7	21° 9	22°23	4°49	n.a.	M24
T 25	3 47 21	26°48'37	28°54	11°24	8°47	28°21	0°47	21°53	20°15	26°14	25° 8	21° 5	22°20	4°55	n.a.	T 25
W26	3 51 18	27°49'53	10♉52	12°53	10° 3	29° 5	1° 0	21°50	20°12	26°16	25° 8	21° 1	22°16	5° 2	n.a.	W26
T 27	3 55 14	28°51'09	22°44	14°23	11°18	29°50	1°13	21°46	20°10	26°18	25° 8	20°57	22°13	5° 9	n.a.	T 27
F 28	3 59 11	29°52'24	4♊33	15°53	12°33	0♒34	1°25	21°43	20° 8	26°20	25° 8	20°55	22°10	5°15	n.a.	F 28
S 29	4 3 7	0♐53'40	16°21	17°23	13°48	1°19	1°38	21°40	20° 5	26°23	25° 9	20°D54	22° 7	5°22	n.a.	S 29
S 30	4 7 4	1♐54'56	28♊ 9	18♏54	15♐ 4	2♒ 3	1♏51	21♈36	20♊ 3	26♏25	25♒ 9	20♐54	22♐ 4	5♊29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s27	23n 8	1n16	2s54	2n34	14s26	0n 9	25s 3	1s42	9s 8	0n56	6n51	2s38	23n43	0n15	17s59	1n25	28s48	16s34	23s31	23s37	22n44		n.a.
S 2	12 48	23 34	0 13	3 4	2 35	14 53	0 7	24 58	1 41	9 13	0 56	6 49	2 38	23 43	0 15	18 0	1 25	28 48	16 34	23 31	23 37	22 45		n.a.
M 3	13 9	22 55	0s51	3 17	2 35	15 19	0 4	24 53	1 40	9 18	0 56	6 48	2 38	23 43	0 15	18 0	1 25	28 47	16 33	23 31	23 37	22 46		n.a.
T 4	13 30	21 14	1 53	3 34	2 34	15 45	0 2	24 48	1 40	9 23	0 56	6 46	2 38	23 43	0 15	18 1	1 25	28 47	16 33	23 31	23 37	22 46		n.a.
W 5	13 50	18 35	2 51	3 55	2 32	16 10	0s 1	24 43	1 39	9 28	0 56	6 44	2 38	23 42	0 15	18 1	1 25	28 47	16 33	23 31	23 36	22 47		n.a.
T 6	14 11	15 2	3 43	4 18	2 29	16 35	0 3	24 37	1 38	9 33	0 56	6 43	2 38	23 42	0 15	18 2	1 25	28 47	16 32	23 31	23 36	22 47		n.a.
F 7	14 31	10 44	4 25	4 44	2 26	17 0	0 5	24 31	1 37	9 37	0 56	6 41	2 37	23 42	0 15	18 2	1 25	28 47	16 32	23 31	23 36	22 48		n.a.
S 8	14 51	5 49	4 55	5 12	2 21	17 24	0 8	24 25	1 36	9 42	0 56	6 39	2 37	23 42	0 15	18 3	1 25	28 46	16 32	23 31	23 36	22 48		n.a.
S 9	15 10	0 27	5 9	5 41	2 16	17 47	0 10	24 19	1 35	9 47	0 56	6 38	2 37	23 42	0 15	18 3	1 25	28 46	16 31	23 31	23 36	22 49		n.a.
M10	15 29	5s 8	5 6	6 13	2 11	18 10	0 13	24 12	1 34	9 52	0 56	6 36	2 37	23 42	0 15	18 4	1 25	28 46	16 31	23 30	23 36	22 49		n.a.
T 11	15 49	10 36	4 44	6 45	2 5	18 33	0 15	24 5	1 33	9 57	0 56	6 35	2 37	23 42	0 15	18 5	1 25	28 45	16 31	23 30	23 35	22 50		n.a.
W12	16 7	15 36	4 1	7 19	1 59	18 55	0 17	23 58	1 32	10 2	0 56	6 33	2 37	23 42	0 15	18 5	1 25	28 45	16 30	23 30	23 35	22 50		n.a.
T 13	16 26	19 40	3 2	7 53	1 53	19 17	0 20	23 51	1 31	10 7	0 56	6 32	2 37	23 42	0 15	18 6	1 25	28 45	16 30	23 29	23 35	22 51		n.a.
F 14	16 44	22 24	1 49	8 28	1 47	19 38	0 22	23 43	1 31	10 11	0 56	6 30	2 36	23 41	0 15	18 6	1 25	28 45	16 30	23 29	23 35	22 51		n.a.
S 15	17 2	23 30	0 29	9 3	1 40	19 59	0 24	23 36	1 30	10 16	0 55	6 29	2 36	23 41	0 15	18 7	1 25	28 44	16 29	23 29	23 35	22 52		n.a.
S 16	17 19	22 54	0n52	9 39	1 33	20 18	0 27	23 28	1 29	10 21	0 55	6 27	2 36	23 41	0 15	18 7	1 25	28 44	16 29	23 29	23 34	22 52		n.a.
M17	17 37	20 45	2 8	10 15	1 26	20 38	0 29	23 19	1 28	10 26	0 55	6 26	2 36	23 41	0 15	18 8	1 25	28 44	16 28	23 29	23 34	22 52		n.a.
T 18	17 54	17 22	3 14	10 51	1 19	20 57	0 31	23 11	1 27	10 30	0 55	6 25	2 36	23 41	0 15	18 8	1 25	28 43	16 28	23 29	23 34	22 53		n.a.
W19	18 10	13 8	4 7	11 28	1 11	21 15	0 34	23 2	1 26	10 35	0 55	6 23	2 35	23 41	0 15	18 9	1 25	28 43	16 28	23 29	23 34	22 53		n.a.
T 20	18 27	8 23	4 45	12 4	1 4	21 32	0 36	22 53	1 25	10 40	0 55	6 22	2 35	23 41	0 15	18 10	1 25	28 43	16 27	23 29	23 34	22 54		n.a.
F 21	18 43	3 23	5 7	12 40	0 57	21 49	0 38	22 44	1 24	10 44	0 55	6 21	2 35	23 41	0 15	18 10	1 25	28 42	16 27	23 29	23 34	22 54		n.a.
S 22	18 58	1n39	5 14	13 16	0 49	22 6	0 40	22 35	1 23	10 49	0 55	6 19	2 35	23 40	0 15	18 11	1 25	28 42	16 27	23 29	23 33	22 55		n.a.
S 23	19 13	6 31	5 5	13 51	0 42	22 21	0 43	22 25	1 22	10 54	0 55	6 18	2 35	23 40	0 15	18 11	1 25	28 41	16 26	23 29	23 33	22 55		n.a.
M24	19 28	11 3	4 43	14 27	0 35	22 36	0 45	22 15	1 21	10 58	0 55	6 17	2 34	23 40	0 15	18 12	1 25	28 41	16 26	23 28	23 33	22 55		n.a.
T 25	19 43	15 6	4 8	15 2	0 27	22 51	0 47	22 5	1 20	11 3	0 55	6 16	2 34	23 40	0 15	18 12	1 25	28 41	16 26	23 28	23 33	22 56		n.a.
W26	19 57	18 30	3 23	15 36	0 20	23 4	0 49	21 55	1 19	11 7	0 55	6 15	2 34	23 40	0 15	18 13	1 25	28 40	16 25	23 28	23 33	22 56		n.a.
T 27	20 11	21 7	2 29	16 10	0 13	23 17	0 51	21 45	1 19	11 12	0 55	6 14	2 34	23 40	0 15	18 13	1 25	28 40	16 25	23 28	23 32	22 57		n.a.
F 28	20 24	22 48	1 29	16 44	0 6	23 30	0 53	21 34	1 18	11 16	0 55	6 13	2 33	23 39	0 15	18 14	1 25	28 39	16 25	23 27	23 32	22 57		n.a.
S 29	20 37	23 29	0 25	17 17	0s 1	23 41	0 55	21 23	1 17	11 21	0 55	6 12	2 33	23 39	0 15	18 14	1 25	28 39	16 24	23 27	23 32	22 57		n.a.
S 30	20s50	23n 6	0s40	17s49	0s 8	23s52	0s57	21s12	1s16	11s25	0n55	6n11	2s33	23n39	0n15	18s15	1n25	28s38	16s24	23s27	23s32	22n58		n.a.

Julian Day Number = 1483584.5, Delta T = 05h20m38s
Ecliptic obliquity = 23°46'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°04'00, Lahiri = -12°57'00 Julian Calendar 1 Nov. 652 BCE == Greg. Calendar 25 Oct. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 652 BCE
geocentric

DECEMBER 652 BCE (-651) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 11 0	2♐56'11	10♋ 2	20♏25	16♐19	2♒48	2♏ 3	21°R33	20°R 0	26♏27	25♒ 9	20♐55	22♐ 1	5♊35	n.a.	M 1
T 2	4 14 57	3°57'27	22° 0	21°57	17°34	3°32	2°16	21♈30	19♊58	26°29	25°10	20°57	21°57	5°42	n.a.	T 2
W 3	4 18 54	4°58'42	4♌ 8	23°29	18°49	4°16	2°28	21°27	19°55	26°32	25°10	20°58	21°54	5°49	n.a.	W 3
T 4	4 22 50	5°59'58	16°31	25° 1	20° 4	5° 1	2°41	21°25	19°53	26°34	25°11	21° 0	21°51	5°55	n.a.	T 4
F 5	4 26 47	7° 1'13	29°10	26°34	21°19	5°45	2°53	21°22	19°50	26°36	25°11	21° 0	21°48	6° 2	n.a.	F 5
S 6	4 30 43	8° 2'28	12♍12	28° 7	22°35	6°30	3° 5	21°19	19°48	26°38	25°11	21°R 1	21°45	6° 9	n.a.	S 6
S 7	4 34 40	9° 3'43	25°38	29°41	23°50	7°14	3°17	21°17	19°45	26°41	25°12	21° 0	21°42	6°15	n.a.	S 7
M 8	4 38 36	10° 4'58	9♎31	1♐15	25° 5	7°58	3°30	21°14	19°43	26°43	25°12	20°59	21°38	6°22	n.a.	M 8
T 9	4 42 33	11° 6'13	23°51	2°49	26°20	8°42	3°42	21°12	19°40	26°45	25°13	20°58	21°35	6°29	n.a.	T 9
W10	4 46 30	12° 7'27	8♏34	4°24	27°35	9°27	3°54	21°10	19°38	26°47	25°14	20°57	21°32	6°35	n.a.	W10
T 11	4 50 26	13° 8'42	23°36	6° 0	28°50	10°11	4° 6	21° 8	19°35	26°50	25°14	20°56	21°29	6°42	n.a.	T 11
F 12	4 54 23	14° 9'55	8♐49	7°36	0♑ 5	10°55	4°18	21° 6	19°32	26°52	25°15	20°55	21°26	6°49	n.a.	F 12
S 13	4 58 19	15°11'08	24° 2	9°12	1°20	11°40	4°29	21° 4	19°30	26°54	25°15	20°D55	21°22	6°55	n.a.	S 13
S 14	5 2 16	16°12'21	9♑ 6	10°49	2°36	12°24	4°41	21° 2	19°27	26°56	25°16	20°55	21°19	7° 2	n.a.	S 14
M15	5 6 12	17°13'32	23°52	12°26	3°51	13° 8	4°53	21° 0	19°25	26°58	25°17	20°56	21°16	7° 9	n.a.	M15
T 16	5 10 9	18°14'43	8♒15	14° 4	5° 6	13°52	5° 4	20°59	19°22	27° 0	25°17	20°56	21°13	7°15	n.a.	T 16
W17	5 14 5	19°15'52	22°11	15°43	6°21	14°36	5°16	20°57	19°19	27° 3	25°18	20°56	21°10	7°22	n.a.	W17
T 18	5 18 2	20°17'01	5♓40	17°22	7°36	15°21	5°27	20°56	19°17	27° 5	25°19	20°56	21° 7	7°28	n.a.	T 18
F 19	5 21 59	21°18'08	18°43	19° 1	8°51	16° 5	5°39	20°55	19°14	27° 7	25°20	20°56	21° 3	7°35	n.a.	F 19
S 20	5 25 55	22°19'13	1♈24	20°42	10° 6	16°49	5°50	20°54	19°12	27° 9	25°20	20°56	21° 0	7°42	n.a.	S 20
S 21	5 29 52	23°20'18	13°46	22°23	11°20	17°33	6° 1	20°53	19° 9	27°11	25°21	20°56	20°57	7°48	n.a.	S 21
M22	5 33 48	24°21'21	25°53	24° 4	12°35	18°17	6°12	20°52	19° 6	27°13	25°22	20°57	20°54	7°55	n.a.	M22
T 23	5 37 45	25°22'24	7♉50	25°46	13°50	19° 1	6°23	20°51	19° 4	27°15	25°23	20°57	20°51	8° 2	n.a.	T 23
W24	5 41 41	26°23'25	19°41	27°29	15° 5	19°45	6°34	20°50	19° 1	27°17	25°24	20°58	20°48	8° 8	n.a.	W24
T 25	5 45 38	27°24'24	1♊29	29°12	16°20	20°29	6°45	20°50	18°59	27°19	25°25	20°58	20°44	8°15	n.a.	T 25
F 26	5 49 34	28°25'23	13°16	0♑56	17°35	21°13	6°56	20°49	18°56	27°21	25°25	20°59	20°41	8°22	n.a.	F 26
S 27	5 53 31	29°26'20	25° 6	2°41	18°50	21°56	7° 7	20°49	18°53	27°23	25°26	20°R59	20°38	8°28	n.a.	S 27
S 28	5 57 28	0♑27'16	7♋ 1	4°26	20° 4	22°40	7°17	20°49	18°51	27°25	25°27	20°58	20°35	8°35	n.a.	S 28
M29	6 1 24	1°28'11	19° 2	6°11	21°19	23°24	7°28	20°D49	18°48	27°27	25°28	20°58	20°32	8°42	n.a.	M29
T 30	6 5 21	2°29'05	1♌12	7°58	22°34	24° 8	7°38	20°49	18°46	27°29	25°29	20°56	20°28	8°48	n.a.	T 30
W31	6 9 17	3♑29'57	13♌31	9♑44	23♑48	24♒52	7♏49	20♈49	18♊43	27♏31	25♒30	20♐54	20♐25	8♊55	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	21s 2	21n40	1s44	18s20	0s15	24s 2	0s59	21s 1	1s15	11s29	0n55	6n10	2s33	23n39	0n15	18s15	1n25	28s38	16s23	23s27	23s32	22n58			n.a.
T 2	21 14	19 15	2 44	18 51	0 22	24 12	1 1	20 50	1 14	11 34	0 55	6 9	2 32	23 39	0 16	18 16	1 25	28 38	16 23	23 28	23 32	22 59			n.a.
W 3	21 26	15 58	3 37	19 21	0 28	24 20	1 3	20 38	1 13	11 38	0 55	6 8	2 32	23 39	0 16	18 17	1 25	28 37	16 23	23 28	23 31	22 59			n.a.
T 4	21 37	11 57	4 22	19 51	0 35	24 28	1 5	20 27	1 12	11 42	0 55	6 7	2 32	23 38	0 16	18 17	1 25	28 37	16 22	23 28	23 31	22 59			n.a.
F 5	21 47	7 19	4 55	20 19	0 41	24 35	1 7	20 15	1 11	11 47	0 55	6 6	2 32	23 38	0 16	18 18	1 25	28 36	16 22	23 28	23 31	23 0			n.a.
S 6	21 57	2 15	5 14	20 47	0 47	24 42	1 8	20 2	1 10	11 51	0 55	6 6	2 31	23 38	0 16	18 18	1 25	28 36	16 22	23 28	23 31	23 0			n.a.
S 7	22 7	3s 4	5 16	21 14	0 53	24 47	1 10	19 50	1 9	11 55	0 55	6 5	2 31	23 38	0 16	18 19	1 25	28 35	16 21	23 28	23 31	23 0			n.a.
M 8	22 16	8 25	5 1	21 39	0 59	24 52	1 12	19 38	1 8	11 59	0 55	6 4	2 31	23 38	0 16	18 19	1 25	28 35	16 21	23 28	23 30	23 1			n.a.
T 9	22 25	13 30	4 27	22 4	1 5	24 56	1 13	19 25	1 7	12 3	0 55	6 4	2 31	23 37	0 16	18 20	1 25	28 34	16 21	23 28	23 30	23 1			n.a.
W10	22 34	17 56	3 34	22 28	1 10	25 0	1 15	19 12	1 6	12 7	0 55	6 3	2 30	23 37	0 16	18 20	1 25	28 34	16 20	23 28	23 30	23 1			n.a.
T 11	22 42	21 17	2 26	22 51	1 15	25 2	1 16	18 59	1 6	12 12	0 55	6 3	2 30	23 37	0 16	18 21	1 25	28 33	16 20	23 27	23 30	23 2			n.a.
F 12	22 49	23 11	1 7	23 12	1 20	25 4	1 18	18 46	1 5	12 16	0 55	6 2	2 30	23 37	0 16	18 21	1 25	28 33	16 20	23 27	23 29	23 2			n.a.
S 13	22 56	23 21	0n17	23 32	1 25	25 5	1 19	18 33	1 4	12 20	0 55	6 2	2 29	23 37	0 16	18 22	1 25	28 32	16 19	23 27	23 29	23 2			n.a.
S 14	23 3	21 48	1 39	23 52	1 30	25 5	1 20	18 19	1 3	12 24	0 55	6 1	2 29	23 36	0 16	18 22	1 25	28 32	16 19	23 27	23 29	23 3			n.a.
M15	23 9	18 47	2 53	24 9	1 34	25 5	1 22	18 6	1 2	12 27	0 56	6 1	2 29	23 36	0 16	18 23	1 25	28 31	16 19	23 27	23 29	23 3			n.a.
T 16	23 15	14 41	3 54	24 26	1 38	25 3	1 23	17 52	1 1	12 31	0 56	6 1	2 28	23 36	0 16	18 23	1 25	28 30	16 18	23 27	23 29	23 3			n.a.
W17	23 20	9 55	4 39	24 41	1 42	25 1	1 24	17 38	1 0	12 35	0 56	6 0	2 28	23 36	0 16	18 24	1 25	28 30	16 18	23 28	23 28	23 3			n.a.
T 18	23 25	4 49	5 7	24 55	1 45	24 58	1 25	17 24	0 59	12 39	0 56	6 0	2 28	23 36	0 16	18 24	1 25	28 29	16 18	23 28	23 28	23 4			n.a.
F 19	23 29	0n21	5 18	25 7	1 49	24 54	1 26	17 10	0 58	12 43	0 56	6 0	2 28	23 35	0 16	18 25	1 25	28 29	16 17	23 28	23 28	23 4			n.a.
S 20	23 33	5 20	5 13	25 18	1 51	24 50	1 27	16 56	0 57	12 47	0 56	6 0	2 27	23 35	0 16	18 25	1 25	28 28	16 17	23 28	23 28	23 4			n.a.
S 21	23 36	10 0	4 53	25 27	1 54	24 45	1 28	16 41	0 56	12 50	0 56	6 0	2 27	23 35	0 16	18 26	1 25	28 28	16 17	23 28	23 28	23 4			n.a.
M22	23 39	14 11	4 21	25 34	1 56	24 39	1 29	16 26	0 56	12 54	0 56	6 0	2 27	23 35	0 16	18 26	1 25	28 27	16 17	23 28	23 27	23 5			n.a.
T 23	23 41	17 44	3 38	25 40	1 58	24 32	1 30	16 12	0 55	12 58	0 56	6 0	2 26	23 35	0 16	18 27	1 25	28 26	16 16	23 28	23 27	23 5			n.a.
W24	23 43	20 33	2 45	25 44	2 0	24 24	1 30	15 57	0 54	13 1	0 56	6 0	2 26	23 34	0 16	18 27	1 25	28 26	16 16	23 28	23 27	23 5			n.a.
T 25	23 45	22 29	1 46	25 47	2 1	24 16	1 31	15 42	0 53	13 5	0 56	6 0	2 26	23 34	0 16	18 27	1 25	28 25	16 16	23 28	23 27	23 5			n.a.
F 26	23 46	23 25	0 43	25 47	2 1	24 7	1 32	15 27	0 52	13 8	0 56	6 0	2 25	23 34	0 16	18 28	1 25	28 25	16 15	23 28	23 26	23 6			n.a.
S 27	23 46	23 18	0s23	25 46	2 1	23 57	1 32	15 12	0 51	13 12	0 56	6 0	2 25	23 34	0 16	18 28	1 25	28 24	16 15	23 28	23 26	23 6			n.a.
S 28	23 46	22 7	1 28	25 43	2 1	23 47	1 33	14 56	0 50	13 15	0 56	6 0	2 25	23 34	0 16	18 29	1 25	28 23	16 15	23 28	23 26	23 6			n.a.
M29	23 46	19 56	2 30	25 38	2 0	23 35	1 33	14 41	0 49	13 19	0 56	6 0	2 25	23 33	0 16	18 29	1 25	28 23	16 14	23 28	23 26	23 6			n.a.
T 30	23 45	16 50	3 25	25 31	1 59	23 24	1 34	14 25	0 48	13 22	0 56	6 1	2 24	23 33	0 16	18 30	1 25	28 22	16 14	23 27	23 26	23 6			n.a.
W31	23s44	12n58	4s12	25s22	1s57	23s11	1s34	14s10	0s48	13s25	0n56	6n 1	2s24	23n33	0n16	18s30	1n25	28s22	16s14	23s27	23s25	23n 7			n.a.

Julian Day Number = 1483614.5, Delta T = 05h20m37s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'56, Lahiri = -12°56'56 Julian Calendar 1 Dec. 652 BCE == Greg. Calendar 24 Nov. 652 BCE

The year -651 astronomical counting style corresponds to year 652 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

JANUARY 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 13 14	4♉30'49	26♌ 3	11♉31	25♉ 3	25♒35	7♏59	20♈49	18°R41	27♏33	25♒31	20°R52	20♐22	9♊ 2	n.a.	T 1
F 2	6 17 10	5°31'39	8♍49	13°19	26°18	26°19	8° 9	20°50	18♊38	27°35	25°32	20♐50	20°19	9° 8	n.a.	F 2
S 3	6 21 7	6°32'28	21°52	15° 6	27°32	27° 3	8°19	20°50	18°36	27°37	25°33	20°49	20°16	9°15	n.a.	S 3
S 4	6 25 4	7°33'15	5♎14	16°54	28°47	27°46	8°29	20°51	18°33	27°39	25°34	20°D49	20°13	9°21	n.a.	S 4
M 5	6 29 0	8°34'02	18°56	18°41	0♒ 2	28°30	8°38	20°51	18°31	27°41	25°35	20°49	20° 9	9°28	n.a.	M 5
T 6	6 32 57	9°34'48	2♏59	20°29	1°16	29°13	8°48	20°52	18°29	27°42	25°37	20°50	20° 6	9°35	n.a.	T 6
W 7	6 36 53	10°35'32	17°22	22°16	2°31	29°57	8°58	20°53	18°26	27°44	25°38	20°51	20° 3	9°41	n.a.	W 7
T 8	6 40 50	11°36'15	2♐ 4	24° 2	3°45	0♓40	9° 7	20°54	18°24	27°46	25°39	20°52	20° 0	9°48	n.a.	T 8
F 9	6 44 46	12°36'57	16°58	25°47	5° 0	1°24	9°16	20°55	18°22	27°48	25°40	20°R53	19°57	9°55	n.a.	F 9
S 10	6 48 43	13°37'38	1♉59	27°31	6°14	2° 7	9°26	20°57	18°19	27°49	25°41	20°53	19°54	10° 1	n.a.	S 10
S 11	6 52 39	14°38'17	16°57	29°13	7°28	2°51	9°35	20°58	18°17	27°51	25°42	20°51	19°50	10° 8	n.a.	S 11
M12	6 56 36	15°38'54	1♒44	0♒53	8°43	3°34	9°44	21° 0	18°15	27°53	25°43	20°49	19°47	10°15	n.a.	M12
T 13	7 0 33	16°39'29	16°13	2°31	9°57	4°17	9°53	21° 1	18°13	27°55	25°45	20°45	19°44	10°21	n.a.	T 13
W14	7 4 29	17°40'03	0♓19	4° 5	11°11	5° 1	10° 1	21° 3	18°10	27°56	25°46	20°41	19°41	10°28	n.a.	W14
T 15	7 8 26	18°40'34	13°57	5°35	12°26	5°44	10°10	21° 5	18° 8	27°58	25°47	20°37	19°38	10°35	n.a.	T 15
F 16	7 12 22	19°41'04	27° 8	7° 1	13°40	6°27	10°19	21° 7	18° 6	27°59	25°48	20°34	19°34	10°41	n.a.	F 16
S 17	7 16 19	20°41'31	9♈54	8°22	14°54	7°10	10°27	21° 9	18° 4	28° 1	25°50	20°32	19°31	10°48	n.a.	S 17
S 18	7 20 15	21°41'57	22°19	9°38	16° 8	7°54	10°35	21°11	18° 2	28° 2	25°51	20°D31	19°28	10°55	n.a.	S 18
M19	7 24 12	22°42'20	4♉26	10°47	17°23	8°37	10°43	21°13	18° 0	28° 4	25°52	20°32	19°25	11° 1	n.a.	M19
T 20	7 28 8	23°42'42	16°22	11°49	18°37	9°20	10°51	21°16	17°58	28° 5	25°53	20°34	19°22	11° 8	n.a.	T 20
W21	7 32 5	24°43'01	28°11	12°43	19°51	10° 3	10°59	21°18	17°56	28° 7	25°55	20°35	19°19	11°15	n.a.	W21
T 22	7 36 2	25°43'18	9♊57	13°29	21° 5	10°46	11° 7	21°21	17°54	28° 8	25°56	20°37	19°15	11°21	n.a.	T 22
F 23	7 39 58	26°43'33	21°46	14° 7	22°19	11°29	11°14	21°24	17°52	28°10	25°57	20°R37	19°12	11°28	n.a.	F 23
S 24	7 43 55	27°43'46	3♋40	14°35	23°33	12°12	11°22	21°27	17°50	28°11	25°59	20°36	19° 9	11°34	n.a.	S 24
S 25	7 47 51	28°43'57	15°43	14°54	24°46	12°54	11°29	21°29	17°49	28°12	26° 0	20°34	19° 6	11°41	n.a.	S 25
M26	7 51 48	29°44'06	27°56	15°R 3	26° 0	13°37	11°36	21°32	17°47	28°14	26° 1	20°29	19° 3	11°48	n.a.	M26
T 27	7 55 44	0♒44'13	10♌21	15° 3	27°14	14°20	11°43	21°36	17°45	28°15	26° 3	20°23	19° 0	11°54	n.a.	T 27
W28	7 59 41	1°44'18	22°59	14°53	28°28	15° 3	11°50	21°39	17°43	28°16	26° 4	20°15	18°56	12° 1	n.a.	W28
T 29	8 3 37	2°44'21	5♍49	14°35	29°41	15°46	11°57	21°42	17°42	28°18	26° 6	20° 8	18°53	12° 8	n.a.	T 29
F 30	8 7 34	3°44'23	18°52	14° 7	0♓55	16°28	12° 3	21°46	17°40	28°19	26° 7	20° 0	18°50	12°14	n.a.	F 30
S 31	8 11 31	4♒44'22	2♎ 8	13♒32	2♓ 9	17♓11	12♏10	21♈49	17♊39	28♏20	26♒ 8	19♐55	18♐47	12♊21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s42	8n30	4s48	25s10	1s55	22s58	1s34	13s54	0s47	13s29	0n56	6n 1	2s24	23n33	0n16	18s30	1n25	28s21	16s14	23s27	23s25	23n 7			n.a.
F 2	23 39	3 36	5 10	24 57	1 52	22 44	1 34	13 38	0 46	13 32	0 56	6 2	2 23	23 33	0 16	18 31	1 25	28 20	16 13	23 27	23 25	23 7			n.a.
S 3	23 37	1s34	5 17	24 42	1 48	22 29	1 34	13 22	0 45	13 35	0 56	6 2	2 23	23 32	0 16	18 31	1 25	28 20	16 13	23 27	23 25	23 7			n.a.
S 4	23 33	6 47	5 7	24 25	1 44	22 14	1 34	13 6	0 44	13 38	0 56	6 3	2 23	23 32	0 16	18 32	1 25	28 19	16 13	23 27	23 24	23 7			n.a.
M 5	23 30	11 49	4 39	24 5	1 39	21 58	1 34	12 50	0 43	13 41	0 56	6 3	2 22	23 32	0 16	18 32	1 25	28 19	16 13	23 27	23 24	23 8			n.a.
T 6	23 25	16 21	3 55	23 44	1 34	21 41	1 34	12 34	0 42	13 45	0 56	6 4	2 22	23 32	0 16	18 32	1 25	28 18	16 12	23 27	23 24	23 8			n.a.
W 7	23 21	20 3	2 55	23 21	1 27	21 24	1 34	12 17	0 41	13 48	0 56	6 5	2 22	23 32	0 16	18 33	1 25	28 17	16 12	23 27	23 24	23 8			n.a.
T 8	23 15	22 32	1 42	22 55	1 20	21 6	1 33	12 1	0 41	13 51	0 57	6 5	2 21	23 31	0 16	18 33	1 25	28 17	16 12	23 27	23 23	23 8			n.a.
F 9	23 10	23 29	0 22	22 28	1 13	20 47	1 33	11 45	0 40	13 54	0 57	6 6	2 21	23 31	0 16	18 34	1 25	28 16	16 12	23 27	23 23	23 8			n.a.
S 10	23 4	22 45	1n 1	22 0	1 4	20 28	1 33	11 28	0 39	13 56	0 57	6 7	2 21	23 31	0 16	18 34	1 25	28 15	16 11	23 27	23 23	23 8			n.a.
S 11	22 57	20 23	2 19	21 29	0 55	20 9	1 32	11 11	0 38	13 59	0 57	6 8	2 20	23 31	0 16	18 34	1 25	28 15	16 11	23 27	23 23	23 8			n.a.
M12	22 50	16 42	3 26	20 58	0 44	19 48	1 32	10 55	0 37	14 2	0 57	6 9	2 20	23 31	0 16	18 35	1 25	28 14	16 11	23 27	23 22	23 9			n.a.
T 13	22 43	12 4	4 19	20 25	0 33	19 28	1 31	10 38	0 36	14 5	0 57	6 10	2 20	23 30	0 16	18 35	1 25	28 13	16 11	23 27	23 22	23 9			n.a.
W14	22 35	6 56	4 55	19 51	0 22	19 6	1 30	10 21	0 35	14 8	0 57	6 10	2 19	23 30	0 16	18 35	1 25	28 13	16 11	23 26	23 22	23 9			n.a.
T 15	22 27	1 37	5 12	19 17	0 9	18 44	1 29	10 4	0 35	14 10	0 57	6 11	2 19	23 30	0 16	18 36	1 25	28 12	16 10	23 26	23 22	23 9			n.a.
F 16	22 18	3n36	5 12	18 43	0n 4	18 22	1 29	9 47	0 34	14 13	0 57	6 13	2 19	23 30	0 16	18 36	1 25	28 12	16 10	23 26	23 21	23 9			n.a.
S 17	22 9	8 30	4 56	18 8	0 18	17 59	1 28	9 30	0 33	14 15	0 57	6 14	2 19	23 30	0 16	18 36	1 25	28 11	16 10	23 26	23 21	23 9			n.a.
S 18	22 0	12 55	4 27	17 34	0 32	17 36	1 27	9 13	0 32	14 18	0 57	6 15	2 18	23 29	0 16	18 37	1 25	28 10	16 10	23 26	23 21	23 9			n.a.
M19	21 50	16 43	3 47	17 1	0 47	17 12	1 26	8 56	0 31	14 20	0 57	6 16	2 18	23 29	0 16	18 37	1 26	28 10	16 10	23 26	23 21	23 9			n.a.
T 20	21 40	19 47	2 57	16 29	1 3	16 48	1 24	8 39	0 30	14 23	0 57	6 17	2 18	23 29	0 16	18 37	1 26	28 9	16 9	23 26	23 20	23 9			n.a.
W21	21 29	21 59	2 0	15 58	1 18	16 23	1 23	8 22	0 30	14 25	0 57	6 18	2 17	23 29	0 16	18 38	1 26	28 8	16 9	23 26	23 20	23 9			n.a.
T 22	21 18	23 13	0 58	15 30	1 34	15 58	1 22	8 5	0 29	14 28	0 57	6 20	2 17	23 29	0 16	18 38	1 26	28 8	16 9	23 26	23 20	23 9			n.a.
F 23	21 6	23 25	0s 6	15 4	1 50	15 32	1 21	7 47	0 28	14 30	0 58	6 21	2 17	23 28	0 16	18 38	1 26	28 7	16 9	23 26	23 20	23 9			n.a.
S 24	20 54	22 33	1 11	14 41	2 6	15 6	1 19	7 30	0 27	14 32	0 58	6 22	2 16	23 28	0 16	18 38	1 26	28 6	16 9	23 26	23 19	23 10			n.a.
S 25	20 42	20 38	2 13	14 20	2 21	14 40	1 18	7 13	0 26	14 34	0 58	6 24	2 16	23 28	0 16	18 39	1 26	28 6	16 8	23 26	23 19	23 10			n.a.
M26	20 29	17 47	3 9	14 3	2 36	14 13	1 16	6 55	0 26	14 37	0 58	6 25	2 16	23 28	0 16	18 39	1 26	28 5	16 8	23 26	23 19	23 10			n.a.
T 27	20 16	14 5	3 58	13 50	2 50	13 46	1 15	6 38	0 25	14 39	0 58	6 26	2 16	23 28	0 16	18 39	1 26	28 4	16 8	23 25	23 19	23 10			n.a.
W28	20 3	9 43	4 35	13 40	3 3	13 19	1 13	6 20	0 24	14 41	0 58	6 28	2 15	23 28	0 16	18 40	1 26	28 4	16 8	23 25	23 18	23 10			n.a.
T 29	19 49	4 52	5 0	13 34	3 15	12 51	1 11	6 3	0 23	14 43	0 58	6 29	2 15	23 28	0 16	18 40	1 26	28 3	16 8	23 24	23 18	23 10			n.a.
F 30	19 35	0s16	5 9	13 32	3 26	12 23	1 9	5 45	0 22	14 45	0 58	6 31	2 15	23 27	0 16	18 40	1 26	28 3	16 8	23 23	23 18	23 10			n.a.
S 31	19s21	5s28	5s 2	13s34	3n35	11s54	1s 7	5s28	0s22	14s47	0n58	6n33	2s14	23n27	0n16	18s40	1n26	28s 2	16s 8	23s23	23s18	23n10			n.a.

Julian Day Number = 1483645.5, Delta T = 05h20m36s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'52, Lahiri = -12°56'51 Julian Calendar 1 Jan. 651 BCE == Greg. Calendar 25 Dec. 652 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

FEBRUARY 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 15 27	5♒44'19	15♎37	12°R50	3♓22	17♓53	12♏16	21♈53	17°R37	28♏21	26♒10	19°R51	18♐44	12♊28	n.a.	S 1
M 2	8 19 24	6°44'15	29°18	12♒ 1	4°36	18°36	12°22	21°56	17♊36	28°22	26°11	19♐49	18°40	12°34	n.a.	M 2
T 3	8 23 20	7°44'10	13♏13	11° 9	5°49	19°19	12°28	22° 0	17°34	28°23	26°13	19°D49	18°37	12°41	n.a.	T 3
W 4	8 27 17	8°44'02	27°21	10°12	7° 3	20° 1	12°34	22° 4	17°33	28°24	26°14	19°49	18°34	12°48	n.a.	W 4
T 5	8 31 13	9°43'53	11♐41	9°14	8°16	20°43	12°39	22° 8	17°32	28°25	26°16	19°51	18°31	12°54	n.a.	T 5
F 6	8 35 10	10°43'42	26°10	8°15	9°29	21°26	12°45	22°12	17°30	28°26	26°17	19°R51	18°28	13° 1	n.a.	F 6
S 7	8 39 6	11°43'29	10♑46	7°16	10°43	22° 8	12°50	22°16	17°29	28°27	26°18	19°49	18°25	13° 8	n.a.	S 7
S 8	8 43 3	12°43'14	25°23	6°20	11°56	22°51	12°55	22°21	17°28	28°28	26°20	19°45	18°21	13°14	n.a.	S 8
M 9	8 47 0	13°42'57	9♒53	5°26	13° 9	23°33	13° 0	22°25	17°27	28°29	26°21	19°38	18°18	13°21	n.a.	M 9
T 10	8 50 56	14°42'38	24°12	4°36	14°22	24°15	13° 5	22°30	17°26	28°30	26°23	19°30	18°15	13°27	n.a.	T 10
W11	8 54 53	15°42'16	8♓12	3°51	15°35	24°57	13°10	22°34	17°25	28°31	26°24	19°20	18°12	13°34	n.a.	W11
T 12	8 58 49	16°41'53	21°50	3°11	16°48	25°40	13°14	22°39	17°24	28°32	26°26	19°10	18° 9	13°41	n.a.	T 12
F 13	9 2 46	17°41'26	5♈ 3	2°36	18° 1	26°22	13°18	22°44	17°23	28°33	26°27	19° 2	18° 6	13°47	n.a.	F 13
S 14	9 6 42	18°40'58	17°52	2° 7	19°14	27° 4	13°22	22°48	17°22	28°33	26°29	18°56	18° 2	13°54	n.a.	S 14
S 15	9 10 39	19°40'27	0♉20	1°45	20°27	27°46	13°26	22°53	17°21	28°34	26°30	18°51	17°59	14° 1	n.a.	S 15
M16	9 14 35	20°39'54	12°30	1°29	21°40	28°28	13°30	22°58	17°20	28°35	26°32	18°49	17°56	14° 7	n.a.	M16
T 17	9 18 32	21°39'19	24°27	1°19	22°52	29°10	13°34	23° 3	17°19	28°35	26°33	18°D49	17°53	14°14	n.a.	T 17
W18	9 22 28	22°38'41	6♊16	1°D14	24° 5	29°52	13°37	23° 8	17°19	28°36	26°35	18°49	17°50	14°21	n.a.	W18
T 19	9 26 25	23°38'00	18° 3	1°16	25°17	0♈34	13°41	23°14	17°18	28°37	26°36	18°R50	17°46	14°27	n.a.	T 19
F 20	9 30 22	24°37'18	29°54	1°23	26°30	1°16	13°44	23°19	17°18	28°37	26°38	18°49	17°43	14°34	n.a.	F 20
S 21	9 34 18	25°36'32	11♋52	1°36	27°42	1°57	13°47	23°24	17°17	28°38	26°39	18°47	17°40	14°41	n.a.	S 21
S 22	9 38 15	26°35'45	24° 2	1°54	28°55	2°39	13°49	23°30	17°17	28°38	26°41	18°42	17°37	14°47	n.a.	S 22
M23	9 42 11	27°34'55	6♌27	2°17	0♈ 7	3°21	13°52	23°35	17°16	28°39	26°42	18°34	17°34	14°54	n.a.	M23
T 24	9 46 8	28°34'03	19° 8	2°44	1°19	4° 3	13°54	23°41	17°16	28°39	26°44	18°24	17°31	15° 0	n.a.	T 24
W25	9 50 4	29°33'08	2♍ 5	3°16	2°31	4°44	13°56	23°46	17°15	28°39	26°45	18°12	17°27	15° 7	n.a.	W25
T 26	9 54 1	0♓32'12	15°18	3°52	3°43	5°26	13°58	23°52	17°15	28°40	26°47	18° 0	17°24	15°14	n.a.	T 26
F 27	9 57 57	1°31'13	28°45	4°32	4°55	6° 7	14° 0	23°58	17°15	28°40	26°48	17°49	17°21	15°20	n.a.	F 27
S 28	10 1 54	2♓30'12	12♎24	5♒16	6♈ 7	6♈49	14♏ 2	24♈ 4	17♊15	28♏40	26♒50	17♐39	17♐18	15♊27	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19s 6	10s30	4s39	13s39	3n42	11s25	1s 5	5s10	0s21	14s48	0n58	6n34	2s14	23n27	0n16	18s40	1n26	28s 1	16s 8	23s23	23s17	23n10			n.a.
M 2	18 51	15 6	3 59	13 47	3 47	10 56	1 3	4 53	0 20	14 50	0 58	6 36	2 14	23 27	0 16	18 41	1 26	28 1	16 7	23 23	23 17	23 10			n.a.
T 3	18 35	18 57	3 5	13 59	3 51	10 27	1 1	4 35	0 19	14 52	0 58	6 38	2 14	23 27	0 16	18 41	1 26	28 0	16 7	23 23	23 17	23 10			n.a.
W 4	18 20	21 46	1 58	14 13	3 52	9 58	0 59	4 17	0 18	14 54	0 59	6 39	2 13	23 27	0 16	18 41	1 26	27 59	16 7	23 23	23 16	23 10			n.a.
T 5	18 4	23 14	0 44	14 29	3 51	9 28	0 57	4 0	0 18	14 55	0 59	6 41	2 13	23 27	0 16	18 41	1 26	27 59	16 7	23 23	23 16	23 10			n.a.
F 6	17 47	23 9	0n34	14 47	3 48	8 58	0 55	3 42	0 17	14 57	0 59	6 43	2 13	23 26	0 16	18 41	1 26	27 58	16 7	23 23	23 16	23 10			n.a.
S 7	17 31	21 30	1 50	15 7	3 43	8 28	0 53	3 25	0 16	14 58	0 59	6 45	2 12	23 26	0 16	18 42	1 26	27 58	16 7	23 23	23 16	23 10			n.a.
S 8	17 14	18 25	2 59	15 28	3 36	7 57	0 50	3 7	0 15	15 0	0 59	6 47	2 12	23 26	0 16	18 42	1 26	27 57	16 7	23 22	23 15	23 10			n.a.
M 9	16 56	14 14	3 56	15 49	3 28	7 27	0 48	2 49	0 15	15 1	0 59	6 48	2 12	23 26	0 16	18 42	1 26	27 56	16 7	23 22	23 15	23 10			n.a.
T 10	16 39	9 18	4 37	16 10	3 18	6 56	0 45	2 32	0 14	15 3	0 59	6 50	2 12	23 26	0 16	18 42	1 26	27 56	16 7	23 21	23 15	23 10			n.a.
W11	16 21	3 59	5 0	16 32	3 7	6 25	0 43	2 14	0 13	15 4	0 59	6 52	2 11	23 26	0 16	18 42	1 26	27 55	16 7	23 20	23 14	23 10			n.a.
T 12	16 3	1n23	5 5	16 53	2 55	5 54	0 40	1 56	0 12	15 5	0 59	6 54	2 11	23 26	0 16	18 42	1 26	27 55	16 7	23 19	23 14	23 10			n.a.
F 13	15 45	6 31	4 54	17 13	2 42	5 22	0 38	1 39	0 12	15 7	0 59	6 56	2 11	23 26	0 16	18 43	1 26	27 54	16 7	23 19	23 14	23 9			n.a.
S 14	15 26	11 13	4 28	17 33	2 29	4 51	0 35	1 21	0 11	15 8	0 59	6 58	2 11	23 26	0 16	18 43	1 26	27 53	16 7	23 18	23 14	23 9			n.a.
S 15	15 7	15 19	3 50	17 51	2 15	4 20	0 32	1 3	0 10	15 9	0 59	7 0	2 10	23 25	0 16	18 43	1 26	27 53	16 7	23 18	23 13	23 9			n.a.
M16	14 48	18 41	3 2	18 9	2 1	3 48	0 29	0 46	0 9	15 10	1 0	7 3	2 10	23 25	0 16	18 43	1 27	27 52	16 6	23 18	23 13	23 9			n.a.
T 17	14 29	21 11	2 7	18 25	1 46	3 16	0 27	0 28	0 9	15 11	1 0	7 5	2 10	23 25	0 16	18 43	1 27	27 52	16 6	23 18	23 13	23 9			n.a.
W18	14 9	22 45	1 7	18 40	1 32	2 45	0 24	0 11	0 8	15 12	1 0	7 7	2 10	23 25	0 16	18 43	1 27	27 51	16 6	23 18	23 12	23 9			n.a.
T 19	13 50	23 18	0 4	18 54	1 18	2 13	0 21	0n 7	0 7	15 13	1 0	7 9	2 9	23 25	0 16	18 43	1 27	27 51	16 6	23 18	23 12	23 9			n.a.
F 20	13 30	22 48	0s59	19 6	1 4	1 41	0 18	0 24	0 7	15 14	1 0	7 11	2 9	23 25	0 16	18 43	1 27	27 50	16 6	23 18	23 12	23 9			n.a.
S 21	13 10	21 15	2 0	19 16	0 50	1 9	0 15	0 42	0 6	15 14	1 0	7 13	2 9	23 25	0 16	18 43	1 27	27 50	16 6	23 17	23 12	23 9			n.a.
S 22	12 49	18 43	2 56	19 26	0 36	0 37	0 12	0 59	0 5	15 15	1 0	7 16	2 9	23 25	0 16	18 43	1 27	27 49	16 6	23 17	23 11	23 9			n.a.
M23	12 29	15 17	3 45	19 33	0 23	0 5	0 9	1 17	0 4	15 16	1 0	7 18	2 8	23 25	0 16	18 43	1 27	27 48	16 6	23 16	23 11	23 9			n.a.
T 24	12 8	11 7	4 24	19 40	0 10	0n27	0 6	1 34	0 4	15 16	1 0	7 20	2 8	23 25	0 16	18 44	1 27	27 48	16 6	23 16	23 11	23 8			n.a.
W25	11 47	6 22	4 50	19 44	0s 2	0 59	0 3	1 52	0 3	15 17	1 0	7 23	2 8	23 25	0 16	18 44	1 27	27 47	16 6	23 14	23 10	23 8			n.a.
T 26	11 26	1 15	5 1	19 47	0 14	1 30	0n 0	2 9	0 2	15 18	1 0	7 25	2 8	23 25	0 16	18 44	1 27	27 47	16 6	23 13	23 10	23 8			n.a.
F 27	11 5	4s 1	4 56	19 49	0 26	2 2	0 4	2 26	0 2	15 18	1 1	7 27	2 7	23 25	0 16	18 44	1 27	27 46	16 7	23 12	23 10	23 8			n.a.
S 28	10s44	9s10	4s34	19s49	0s37	2n34	0n 7	2n44	0s 1	15s18	1n 1	7n30	2s 7	23n25	0n16	18s44	1n27	27s46	16s 7	23s11	23s 9	23n 8			n.a.

Julian Day Number = 1483676.5, Delta T = 05h20m34s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'48, Lahiri = -12°56'47 Julian Calendar 1 Feb. 651 BCE == Greg. Calendar 25 Jan. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

MARCH 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 5 50	3♓29'10	26♎11	6♒ 3	7♈19	7♈30	14♏ 3	24♈10	17°R15	28♏41	26♒51	17°R32	17♐15	15♊34	n.a.	S 1
M 2	10 9 47	4°28'05	10♏ 5	6°54	8°31	8°12	14° 4	24°16	17°D15	28°41	26°53	17♐27	17°12	15°40	n.a.	M 2
T 3	10 13 44	5°26'59	24° 5	7°47	9°42	8°53	14° 5	24°22	17♊15	28°41	26°54	17°26	17° 8	15°47	n.a.	T 3
W 4	10 17 40	6°25'51	8♐ 9	8°44	10°54	9°35	14° 6	24°28	17°15	28°41	26°56	17°D25	17° 5	15°54	n.a.	W 4
T 5	10 21 37	7°24'41	22°17	9°44	12° 6	10°16	14° 7	24°34	17°15	28°41	26°57	17°R25	17° 2	16° 0	n.a.	T 5
F 6	10 25 33	8°23'29	6♑27	10°46	13°17	10°57	14° 8	24°40	17°15	28°41	26°59	17°24	16°59	16° 7	n.a.	F 6
S 7	10 29 30	9°22'16	20°39	11°51	14°28	11°39	14° 8	24°47	17°15	28°41	27° 0	17°21	16°56	16°14	n.a.	S 7
S 8	10 33 26	10°21'01	4♒49	12°59	15°40	12°20	14°R 8	24°53	17°16	28°R41	27° 2	17°15	16°52	16°20	n.a.	S 8
M 9	10 37 23	11°19'43	18°54	14° 9	16°51	13° 1	14° 8	25° 0	17°16	28°41	27° 3	17° 7	16°49	16°27	n.a.	M 9
T 10	10 41 19	12°18'24	2♓49	15°21	18° 2	13°42	14° 8	25° 6	17°16	28°41	27° 4	16°56	16°46	16°34	n.a.	T 10
W11	10 45 16	13°17'02	16°31	16°36	19°13	14°23	14° 7	25°13	17°17	28°41	27° 6	16°43	16°43	16°40	n.a.	W11
T 12	10 49 13	14°15'39	29°56	17°52	20°24	15° 4	14° 7	25°19	17°17	28°41	27° 7	16°30	16°40	16°47	n.a.	T 12
F 13	10 53 9	15°14'13	13♈ 0	19°11	21°35	15°45	14° 6	25°26	17°18	28°41	27° 9	16°19	16°37	16°53	n.a.	F 13
S 14	10 57 6	16°12'46	25°45	20°31	22°45	16°26	14° 5	25°33	17°18	28°41	27°10	16°10	16°33	17° 0	n.a.	S 14
S 15	11 1 2	17°11'16	8♉11	21°54	23°56	17° 7	14° 4	25°39	17°19	28°41	27°12	16° 3	16°30	17° 7	n.a.	S 15
M16	11 4 59	18° 9'43	20°20	23°18	25° 7	17°48	14° 2	25°46	17°20	28°40	27°13	15°59	16°27	17°13	n.a.	M16
T 17	11 8 55	19° 8'09	2♊17	24°45	26°17	18°29	14° 1	25°53	17°21	28°40	27°15	15°57	16°24	17°20	n.a.	T 17
W18	11 12 52	20° 6'33	14° 7	26°13	27°27	19°10	13°59	26° 0	17°21	28°40	27°16	15°56	16°21	17°27	n.a.	W18
T 19	11 16 48	21° 4'54	25°56	27°43	28°38	19°51	13°57	26° 7	17°22	28°39	27°17	15°56	16°17	17°33	n.a.	T 19
F 20	11 20 45	22° 3'13	7♋47	29°15	29°48	20°32	13°55	26°14	17°23	28°39	27°19	15°56	16°14	17°40	n.a.	F 20
S 21	11 24 41	23° 1'30	19°48	0♓49	0♉58	21°12	13°53	26°21	17°24	28°39	27°20	15°53	16°11	17°47	n.a.	S 21
S 22	11 28 38	23°59'44	2♌ 3	2°24	2° 8	21°53	13°50	26°28	17°25	28°38	27°21	15°48	16° 8	17°53	n.a.	S 22
M23	11 32 35	24°57'57	14°35	4° 1	3°18	22°34	13°47	26°35	17°26	28°38	27°23	15°41	16° 5	18° 0	n.a.	M23
T 24	11 36 31	25°56'07	27°27	5°40	4°27	23°14	13°45	26°42	17°27	28°37	27°24	15°31	16° 2	18° 7	n.a.	T 24
W25	11 40 28	26°54'16	10♍40	7°21	5°37	23°55	13°42	26°49	17°28	28°37	27°26	15°20	15°58	18°13	n.a.	W25
T 26	11 44 24	27°52'22	24°14	9° 4	6°46	24°35	13°38	26°57	17°30	28°36	27°27	15° 8	15°55	18°20	n.a.	T 26
F 27	11 48 21	28°50'27	8♎ 5	10°48	7°56	25°16	13°35	27° 4	17°31	28°36	27°28	14°57	15°52	18°26	n.a.	F 27
S 28	11 52 17	29°48'30	22° 9	12°34	9° 5	25°56	13°32	27°11	17°32	28°35	27°29	14°47	15°49	18°33	n.a.	S 28
S 29	11 56 14	0♈46'31	6♏21	14°22	10°14	26°37	13°28	27°19	17°34	28°34	27°31	14°40	15°46	18°40	n.a.	S 29
M30	12 0 10	1°44'31	20°38	16°12	11°23	27°17	13°24	27°26	17°35	28°34	27°32	14°35	15°43	18°46	n.a.	M30
T 31	12 4 7	2♈42'29	4♐54	18♓ 3	12♉32	27♈58	13♏20	27♈33	17♊36	28♏33	27♒33	14♐34	15♐39	18♊53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	10s22	13s54	3s56	19s47	0s48	3n 6	0n10	3n 1	0s 0	15s19	1n 1	7n32	2s 7	23n25	0n16	18s44	1n27	27s45	16s 7	23s11	23s 9	23n 8			n.a.
M 2	10 0	17 57	3 4	19 44	0 58	3 37	0 13	3 18	0n 0	15 19	1 1	7 34	2 7	23 25	0 16	18 44	1 27	27 45	16 7	23 10	23 9	23 8			n.a.
T 3	9 39	21 0	2 0	19 39	1 7	4 9	0 17	3 35	0 1	15 19	1 1	7 37	2 7	23 25	0 16	18 44	1 27	27 44	16 7	23 10	23 8	23 7			n.a.
W 4	9 17	22 47	0 49	19 33	1 16	4 41	0 20	3 52	0 2	15 20	1 1	7 39	2 6	23 25	0 16	18 44	1 27	27 44	16 7	23 10	23 8	23 7			n.a.
T 5	8 54	23 7	0n26	19 25	1 25	5 12	0 23	4 9	0 2	15 20	1 1	7 42	2 6	23 25	0 16	18 44	1 27	27 43	16 7	23 10	23 8	23 7			n.a.
F 6	8 32	21 58	1 39	19 15	1 33	5 43	0 27	4 26	0 3	15 20	1 1	7 44	2 6	23 25	0 16	18 44	1 27	27 43	16 7	23 10	23 8	23 7			n.a.
S 7	8 10	19 26	2 46	19 4	1 40	6 14	0 30	4 43	0 4	15 20	1 1	7 47	2 6	23 25	0 16	18 44	1 27	27 42	16 7	23 10	23 7	23 7			n.a.
S 8	7 47	15 43	3 43	18 51	1 47	6 45	0 33	5 0	0 4	15 20	1 1	7 49	2 6	23 25	0 16	18 44	1 27	27 42	16 7	23 9	23 7	23 7			n.a.
M 9	7 25	11 10	4 25	18 37	1 53	7 16	0 37	5 17	0 5	15 20	1 1	7 52	2 5	23 25	0 16	18 44	1 27	27 42	16 7	23 8	23 7	23 6			n.a.
T 10	7 2	6 5	4 52	18 21	1 59	7 47	0 40	5 34	0 6	15 19	1 1	7 55	2 5	23 25	0 16	18 44	1 27	27 41	16 7	23 7	23 6	23 6			n.a.
W11	6 39	0 47	5 0	18 3	2 5	8 17	0 43	5 51	0 6	15 19	1 2	7 57	2 5	23 25	0 16	18 43	1 27	27 41	16 7	23 6	23 6	23 6			n.a.
T 12	6 17	4n26	4 52	17 44	2 9	8 48	0 47	6 7	0 7	15 19	1 2	8 0	2 5	23 25	0 16	18 43	1 27	27 40	16 7	23 5	23 6	23 6			n.a.
F 13	5 54	9 19	4 29	17 23	2 14	9 18	0 50	6 24	0 8	15 19	1 2	8 2	2 5	23 25	0 16	18 43	1 28	27 40	16 8	23 4	23 5	23 6			n.a.
S 14	5 31	13 41	3 53	17 1	2 17	9 48	0 53	6 41	0 8	15 18	1 2	8 5	2 4	23 25	0 16	18 43	1 28	27 39	16 8	23 3	23 5	23 5			n.a.
S 15	5 8	17 21	3 6	16 37	2 21	10 17	0 57	6 57	0 9	15 18	1 2	8 8	2 4	23 25	0 16	18 43	1 28	27 39	16 8	23 2	23 5	23 5			n.a.
M16	4 45	20 11	2 11	16 11	2 23	10 47	1 0	7 14	0 10	15 17	1 2	8 10	2 4	23 25	0 16	18 43	1 28	27 39	16 8	23 1	23 4	23 5			n.a.
T 17	4 21	22 5	1 12	15 44	2 25	11 16	1 3	7 30	0 10	15 17	1 2	8 13	2 4	23 25	0 16	18 43	1 28	27 38	16 8	23 1	23 4	23 5			n.a.
W18	3 58	22 58	0 10	15 15	2 27	11 45	1 7	7 46	0 11	15 16	1 2	8 16	2 4	23 25	0 16	18 43	1 28	27 38	16 8	23 1	23 4	23 4			n.a.
T 19	3 35	22 50	0s53	14 45	2 28	12 13	1 10	8 3	0 11	15 16	1 2	8 18	2 3	23 25	0 16	18 43	1 28	27 37	16 8	23 1	23 3	23 4			n.a.
F 20	3 12	21 39	1 53	14 13	2 29	12 42	1 13	8 19	0 12	15 15	1 2	8 21	2 3	23 26	0 16	18 43	1 28	27 37	16 9	23 1	23 3	23 4			n.a.
S 21	2 48	19 30	2 49	13 39	2 29	13 10	1 17	8 35	0 13	15 14	1 2	8 24	2 3	23 26	0 16	18 42	1 28	27 37	16 9	23 1	23 3	23 4			n.a.
S 22	2 25	16 26	3 39	13 4	2 28	13 38	1 20	8 51	0 13	15 13	1 2	8 27	2 3	23 26	0 16	18 42	1 28	27 36	16 9	23 0	23 2	23 3			n.a.
M23	2 2	12 34	4 19	12 27	2 27	14 5	1 23	9 7	0 14	15 13	1 2	8 29	2 3	23 26	0 16	18 42	1 28	27 36	16 9	23 0	23 2	23 3			n.a.
T 24	1 38	8 3	4 47	11 48	2 25	14 32	1 26	9 23	0 14	15 12	1 2	8 32	2 3	23 26	0 16	18 42	1 28	27 36	16 9	22 58	23 2	23 3			n.a.
W25	1 15	3 3	5 0	11 9	2 23	14 59	1 29	9 38	0 15	15 11	1 2	8 35	2 3	23 26	0 16	18 42	1 28	27 35	16 9	22 57	23 1	23 2			n.a.
T 26	0 51	2s13	4 57	10 27	2 21	15 25	1 33	9 54	0 16	15 10	1 2	8 38	2 2	23 26	0 16	18 42	1 28	27 35	16 10	22 56	23 1	23 2			n.a.
F 27	0 28	7 29	4 37	9 44	2 17	15 51	1 36	10 10	0 16	15 9	1 2	8 40	2 2	23 26	0 16	18 42	1 28	27 35	16 10	22 55	23 1	23 2			n.a.
S 28	0 5	12 27	4 0	8 59	2 14	16 17	1 39	10 25	0 17	15 8	1 3	8 43	2 2	23 26	0 16	18 41	1 28	27 34	16 10	22 53	23 0	23 2			n.a.
S 29	0n19	16 46	3 8	8 13	2 9	16 42	1 42	10 40	0 17	15 6	1 3	8 46	2 2	23 27	0 16	18 41	1 28	27 34	16 10	22 53	23 0	23 1			n.a.
M30	0 42	20 8	2 3	7 25	2 4	17 7	1 45	10 56	0 18	15 5	1 3	8 49	2 2	23 27	0 16	18 41	1 28	27 34	16 10	22 52	23 0	23 1			n.a.
T 31	1n 5	22s15	0s51	6s36	1s59	17n31	1n48	11n11	0n19	15s 4	1n 3	8n52	2s 2	23n27	0n16	18s41	1n28	27s34	16s11	22s52	22s59	23n 1			n.a.

Julian Day Number = 1483704.5, Delta T = 05h20m33s
Ecliptic obliquity = 23°46'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'44, Lahiri = -12°56'43 Julian Calendar 1 March 651 BCE == Greg. Calendar 22 Feb. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

APRIL 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 8 4	3♈40'26	19♐ 7	19♓56	13♉41	28♈38	13°R16	27♈41	17♊38	28°R32	27♒35	14°D33	15♐36	19♊ 0	n.a.	W 1
T 2	12 12 0	4°38'21	3♑16	21°51	14°49	29°18	13♏11	27°48	17°40	28♏31	27°36	14°R34	15°33	19° 6	n.a.	T 2
F 3	12 15 57	5°36'16	17°19	23°48	15°58	29°59	13° 7	27°56	17°41	28°31	27°37	14♐33	15°30	19°13	n.a.	F 3
S 4	12 19 53	6°34'08	1♒15	25°47	17° 6	0♉39	13° 2	28° 3	17°43	28°30	27°38	14°31	15°27	19°20	n.a.	S 4
S 5	12 23 50	7°32'00	15° 4	27°47	18°14	1°19	12°57	28°11	17°45	28°29	27°40	14°26	15°23	19°26	n.a.	S 5
M 6	12 27 46	8°29'50	28°45	29°49	19°22	1°59	12°52	28°19	17°46	28°28	27°41	14°19	15°20	19°33	n.a.	M 6
T 7	12 31 43	9°27'38	12♓15	1♈53	20°30	2°39	12°47	28°26	17°48	28°27	27°42	14° 9	15°17	19°40	n.a.	T 7
W 8	12 35 39	10°25'25	25°32	3°58	21°38	3°20	12°42	28°34	17°50	28°26	27°43	13°59	15°14	19°46	n.a.	W 8
T 9	12 39 36	11°23'11	8♈36	6° 4	22°45	4° 0	12°37	28°41	17°52	28°25	27°44	13°48	15°11	19°53	n.a.	T 9
F 10	12 43 32	12°20'55	21°24	8°12	23°53	4°40	12°31	28°49	17°54	28°24	27°45	13°38	15° 8	19°59	n.a.	F 10
S 11	12 47 29	13°18'37	3♉56	10°21	25° 0	5°20	12°25	28°57	17°56	28°23	27°46	13°30	15° 4	20° 6	n.a.	S 11
S 12	12 51 26	14°16'18	16°14	12°30	26° 7	6° 0	12°20	29° 5	17°58	28°22	27°48	13°24	15° 1	20°13	n.a.	S 12
M13	12 55 22	15°13'58	28°19	14°41	27°14	6°40	12°14	29°12	18° 0	28°21	27°49	13°21	14°58	20°19	n.a.	M13
T 14	12 59 19	16°11'36	10♊14	16°51	28°21	7°20	12° 8	29°20	18° 2	28°20	27°50	13°D19	14°55	20°26	n.a.	T 14
W15	13 3 15	17° 9'12	22° 3	19° 3	29°28	8° 0	12° 1	29°28	18° 4	28°19	27°51	13°20	14°52	20°33	n.a.	W15
T 16	13 7 12	18° 6'47	3♋51	21°14	0♊34	8°39	11°55	29°36	18° 6	28°18	27°52	13°21	14°48	20°39	n.a.	T 16
F 17	13 11 8	19° 4'20	15°43	23°24	1°41	9°19	11°49	29°44	18° 9	28°17	27°53	13°R21	14°45	20°46	n.a.	F 17
S 18	13 15 5	20° 1'52	27°44	25°34	2°47	9°59	11°42	29°51	18°11	28°16	27°54	13°21	14°42	20°53	n.a.	S 18
S 19	13 19 1	20°59'22	9♌59	27°44	3°53	10°39	11°36	29°59	18°13	28°15	27°55	13°19	14°39	20°59	n.a.	S 19
M20	13 22 58	21°56'51	22°33	29°52	4°58	11°19	11°29	0♉ 7	18°15	28°13	27°56	13°15	14°36	21° 6	n.a.	M20
T 21	13 26 55	22°54'18	5♍30	1♉58	6° 4	11°58	11°22	0°15	18°18	28°12	27°57	13°10	14°33	21°13	n.a.	T 21
W22	13 30 51	23°51'43	18°51	4° 4	7° 9	12°38	11°15	0°23	18°20	28°11	27°58	13° 2	14°29	21°19	n.a.	W22
T 23	13 34 48	24°49'08	2♎37	6° 7	8°14	13°18	11° 8	0°31	18°23	28°10	27°59	12°55	14°26	21°26	n.a.	T 23
F 24	13 38 44	25°46'31	16°44	8° 8	9°19	13°57	11° 1	0°39	18°25	28° 8	28° 0	12°47	14°23	21°33	n.a.	F 24
S 25	13 42 41	26°43'53	1♏ 9	10° 7	10°24	14°37	10°54	0°46	18°28	28° 7	28° 0	12°41	14°20	21°39	n.a.	S 25
S 26	13 46 37	27°41'14	15°46	12° 4	11°28	15°16	10°47	0°54	18°30	28° 6	28° 1	12°36	14°17	21°46	n.a.	S 26
M27	13 50 34	28°38'34	0♐27	13°58	12°33	15°56	10°39	1° 2	18°33	28° 4	28° 2	12°34	14°14	21°52	n.a.	M27
T 28	13 54 30	29°35'53	15° 7	15°50	13°37	16°35	10°32	1°10	18°36	28° 3	28° 3	12°D34	14°10	21°59	n.a.	T 28
W29	13 58 27	0♑33'12	29°39	17°40	14°40	17°15	10°25	1°18	18°38	28° 2	28° 4	12°34	14° 7	22° 6	n.a.	W29
T 30	14 2 24	1♑30'30	14♑ 0	19♑26	15♊44	17♑54	10♏17	1♑26	18♊41	28♏ 0	28♒ 5	12♐36	14♐ 4	22♊12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n29	22s55	0n24	5s46	1s53	17n55	1n51	11n26	0n19	15s 3	1n 3	8n54	2s 2	23n27	0n16	18s41	1n28	27s33	16s11	22s52	22s59	23n 0		n.a.
T 2	1 52	22 6	1 38	4 54	1 46	18 19	1 54	11 41	0 20	15 1	1 3	8 57	2 1	23 27	0 16	18 40	1 28	27 33	16 11	22 52	22 59	23 0		n.a.
F 3	2 15	19 55	2 45	4 1	1 39	18 42	1 57	11 56	0 20	15 0	1 3	9 0	2 1	23 27	0 16	18 40	1 28	27 33	16 11	22 52	22 58	23 0		n.a.
S 4	2 39	16 33	3 42	3 6	1 32	19 5	1 59	12 11	0 21	14 58	1 3	9 3	2 1	23 27	0 16	18 40	1 28	27 33	16 11	22 52	22 58	22 59		n.a.
S 5	3 2	12 19	4 25	2 10	1 24	19 27	2 2	12 26	0 21	14 57	1 3	9 6	2 1	23 28	0 16	18 40	1 28	27 32	16 12	22 51	22 58	22 59		n.a.
M 6	3 25	7 30	4 52	1 14	1 16	19 49	2 5	12 40	0 22	14 55	1 3	9 8	2 1	23 28	0 16	18 40	1 28	27 32	16 12	22 50	22 57	22 59		n.a.
T 7	3 48	2 24	5 3	0 16	1 7	20 10	2 8	12 55	0 23	14 54	1 3	9 11	2 1	23 28	0 16	18 39	1 28	27 32	16 12	22 49	22 57	22 58		n.a.
W 8	4 11	2n44	4 57	0n43	0 58	20 31	2 10	13 9	0 23	14 52	1 3	9 14	2 1	23 28	0 16	18 39	1 28	27 32	16 12	22 48	22 57	22 58		n.a.
T 9	4 34	7 40	4 36	1 43	0 48	20 51	2 13	13 24	0 24	14 51	1 3	9 17	2 1	23 28	0 16	18 39	1 28	27 31	16 13	22 46	22 56	22 58		n.a.
F 10	4 57	12 10	4 1	2 43	0 38	21 11	2 15	13 38	0 24	14 49	1 3	9 20	2 0	23 28	0 16	18 39	1 28	27 31	16 13	22 45	22 56	22 57		n.a.
S 11	5 20	16 3	3 14	3 43	0 28	21 30	2 17	13 52	0 25	14 47	1 3	9 23	2 0	23 29	0 16	18 38	1 29	27 31	16 13	22 44	22 55	22 57		n.a.
S 12	5 42	19 9	2 20	4 44	0 18	21 49	2 20	14 6	0 25	14 45	1 3	9 26	2 0	23 29	0 16	18 38	1 29	27 31	16 13	22 44	22 55	22 56		n.a.
M13	6 5	21 21	1 20	5 45	0 7	22 7	2 22	14 20	0 26	14 43	1 3	9 28	2 0	23 29	0 16	18 38	1 29	27 31	16 14	22 43	22 55	22 56		n.a.
T 14	6 27	22 34	0 17	6 46	0n 3	22 25	2 24	14 34	0 26	14 42	1 3	9 31	2 0	23 29	0 16	18 38	1 29	27 31	16 14	22 43	22 54	22 56		n.a.
W15	6 50	22 45	0s47	7 46	0 14	22 42	2 26	14 47	0 27	14 40	1 3	9 34	2 0	23 29	0 16	18 37	1 29	27 31	16 14	22 43	22 54	22 55		n.a.
T 16	7 12	21 55	1 48	8 46	0 25	22 58	2 28	15 1	0 27	14 38	1 3	9 37	2 0	23 29	0 16	18 37	1 29	27 30	16 15	22 43	22 54	22 55		n.a.
F 17	7 34	20 6	2 45	9 45	0 35	23 14	2 30	15 14	0 28	14 36	1 3	9 40	2 0	23 30	0 16	18 37	1 29	27 30	16 15	22 43	22 53	22 54		n.a.
S 18	7 56	17 23	3 36	10 43	0 45	23 29	2 32	15 28	0 28	14 34	1 3	9 43	2 0	23 30	0 16	18 37	1 29	27 30	16 15	22 43	22 53	22 54		n.a.
S 19	8 18	13 51	4 18	11 40	0 55	23 44	2 34	15 41	0 29	14 32	1 3	9 46	2 0	23 30	0 16	18 36	1 29	27 30	16 15	22 43	22 53	22 54		n.a.
M20	8 40	9 39	4 48	12 35	1 5	23 58	2 35	15 54	0 29	14 30	1 3	9 48	2 0	23 30	0 16	18 36	1 29	27 30	16 16	22 42	22 52	22 53		n.a.
T 21	9 2	4 54	5 5	13 29	1 14	24 12	2 37	16 7	0 30	14 28	1 3	9 51	1 59	23 31	0 16	18 36	1 29	27 30	16 16	22 42	22 52	22 53		n.a.
W22	9 23	0s13	5 6	14 20	1 22	24 24	2 38	16 20	0 30	14 26	1 2	9 54	1 59	23 31	0 16	18 35	1 29	27 30	16 16	22 41	22 51	22 52		n.a.
T 23	9 44	5 28	4 50	15 10	1 31	24 37	2 40	16 32	0 31	14 23	1 2	9 57	1 59	23 31	0 16	18 35	1 29	27 30	16 17	22 40	22 51	22 52		n.a.
F 24	10 6	10 36	4 16	15 58	1 38	24 48	2 41	16 45	0 31	14 21	1 2	10 0	1 59	23 31	0 16	18 35	1 29	27 30	16 17	22 39	22 51	22 51		n.a.
S 25	10 27	15 14	3 25	16 43	1 45	24 59	2 42	16 57	0 32	14 19	1 2	10 3	1 59	23 31	0 16	18 34	1 29	27 30	16 17	22 38	22 50	22 51		n.a.
S 26	10 48	19 1	2 20	17 26	1 51	25 10	2 43	17 10	0 32	14 17	1 2	10 5	1 59	23 32	0 16	18 34	1 29	27 30	16 18	22 37	22 50	22 51		n.a.
M27	11 8	21 36	1 5	18 7	1 57	25 20	2 44	17 22	0 33	14 15	1 2	10 8	1 59	23 32	0 16	18 34	1 29	27 30	16 18	22 37	22 50	22 50		n.a.
T 28	11 29	22 42	0n14	18 45	2 2	25 29	2 45	17 34	0 33	14 12	1 2	10 11	1 59	23 32	0 16	18 34	1 29	27 30	16 18	22 37	22 49	22 50		n.a.
W29	11 49	22 15	1 31	19 21	2 6	25 37	2 46	17 46	0 34	14 10	1 2	10 14	1 59	23 32	0 16	18 33	1 29	27 30	16 19	22 37	22 49	22 49		n.a.
T 30	12n10	20s20	2n42	19n55	2n10	25n45	2n46	17n57	0n34	14s 8	1n 2	10n17	1s59	23n33	0n16	18s33	1n29	27s30	16s19	22s37	22s48	22n49		n.a.

Julian Day Number = 1483735.5, Delta T = 05h20m31s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'40, Lahiri = -12°56'39 Julian Calendar 1 Apr. 651 BCE == Greg. Calendar 25 March 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

MAY 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 6 20	2♉27'47	28♋ 7	21♉10	16♊47	18♉34	10°R10	1♉34	18♊44	27°R59	28♒ 5	12°R36	14♐ 1	22♊19	n.a.	F 1
S 2	14 10 17	3°25'04	12♒ 0	22°52	17°50	19°13	10♏ 2	1°42	18°47	27♏57	28° 6	12♐36	13°58	22°26	n.a.	S 2
S 3	14 14 13	4°22'20	25°38	24°30	18°53	19°53	9°55	1°50	18°50	27°56	28° 7	12°34	13°54	22°32	n.a.	S 3
M 4	14 18 10	5°19'35	9♓ 1	26° 6	19°55	20°32	9°47	1°58	18°52	27°55	28° 8	12°31	13°51	22°39	n.a.	M 4
T 5	14 22 6	6°16'50	22°10	27°39	20°57	21°11	9°40	2° 5	18°55	27°53	28° 8	12°26	13°48	22°46	n.a.	T 5
W 6	14 26 3	7°14'04	5♈ 6	29°10	21°59	21°51	9°32	2°13	18°58	27°52	28° 9	12°21	13°45	22°52	n.a.	W 6
T 7	14 29 59	8°11'18	17°48	0♊37	23° 1	22°30	9°24	2°21	19° 1	27°50	28°10	12°15	13°42	22°59	n.a.	T 7
F 8	14 33 56	9° 8'31	0♉17	2° 2	24° 2	23° 9	9°17	2°29	19° 4	27°49	28°10	12° 9	13°39	23° 6	n.a.	F 8
S 9	14 37 53	10° 5'44	12°35	3°24	25° 3	23°48	9° 9	2°37	19° 7	27°47	28°11	12° 5	13°35	23°12	n.a.	S 9
S 10	14 41 49	11° 2'56	24°41	4°42	26° 3	24°28	9° 1	2°45	19°10	27°46	28°11	12° 2	13°32	23°19	n.a.	S 10
M11	14 45 46	12° 0'07	6♊39	5°58	27° 4	25° 7	8°54	2°53	19°13	27°44	28°12	12°D 1	13°29	23°26	n.a.	M11
T 12	14 49 42	12°57'18	18°30	7°11	28° 4	25°46	8°46	3° 1	19°16	27°43	28°13	12° 1	13°26	23°32	n.a.	T 12
W13	14 53 39	13°54'28	0♋17	8°21	29° 3	26°25	8°38	3° 8	19°20	27°41	28°13	12° 2	13°23	23°39	n.a.	W13
T 14	14 57 35	14°51'38	12° 5	9°27	0♋ 2	27° 4	8°31	3°16	19°23	27°39	28°14	12° 4	13°20	23°45	n.a.	T 14
F 15	15 1 32	15°48'46	23°57	10°31	1° 1	27°43	8°23	3°24	19°26	27°38	28°14	12° 5	13°16	23°52	n.a.	F 15
S 16	15 5 29	16°45'54	5♌57	11°31	2° 0	28°22	8°16	3°32	19°29	27°36	28°15	12° 7	13°13	23°59	n.a.	S 16
S 17	15 9 25	17°43'02	18°12	12°28	2°58	29° 2	8° 8	3°40	19°32	27°35	28°15	12°R 7	13°10	24° 5	n.a.	S 17
M18	15 13 22	18°40'08	0♍44	13°21	3°55	29°41	8° 1	3°47	19°36	27°33	28°15	12° 7	13° 7	24°12	n.a.	M18
T 19	15 17 18	19°37'15	13°39	14°11	4°52	0♊20	7°54	3°55	19°39	27°31	28°16	12° 5	13° 4	24°19	n.a.	T 19
W20	15 21 15	20°34'20	26°59	14°57	5°49	0°59	7°46	4° 3	19°42	27°30	28°16	12° 3	13° 0	24°25	n.a.	W20
T 21	15 25 11	21°31'25	10♎46	15°39	6°45	1°37	7°39	4°10	19°45	27°28	28°17	12° 0	12°57	24°32	n.a.	T 21
F 22	15 29 8	22°28'30	24°59	16°17	7°41	2°16	7°32	4°18	19°49	27°27	28°17	11°57	12°54	24°39	n.a.	F 22
S 23	15 33 4	23°25'34	9♏34	16°51	8°36	2°55	7°25	4°26	19°52	27°25	28°17	11°55	12°51	24°45	n.a.	S 23
S 24	15 37 1	24°22'38	24°26	17°21	9°31	3°34	7°18	4°33	19°55	27°23	28°17	11°54	12°48	24°52	n.a.	S 24
M25	15 40 58	25°19'42	9♐27	17°47	10°25	4°13	7°11	4°41	19°59	27°22	28°18	11°D53	12°45	24°59	n.a.	M25
T 26	15 44 54	26°16'46	24°28	18° 9	11°19	4°52	7° 4	4°48	20° 2	27°20	28°18	11°53	12°41	25° 5	n.a.	T 26
W27	15 48 51	27°13'50	9♑21	18°26	12°12	5°31	6°57	4°56	20° 6	27°19	28°18	11°54	12°38	25°12	n.a.	W27
T 28	15 52 47	28°10'55	24° 0	18°38	13° 4	6°10	6°50	5° 3	20° 9	27°17	28°18	11°55	12°35	25°19	n.a.	T 28
F 29	15 56 44	29° 7'59	8♒20	18°46	13°56	6°48	6°44	5°11	20°13	27°15	28°19	11°56	12°32	25°25	n.a.	F 29
S 30	16 0 40	0♊ 5'04	22°19	18°R50	14°48	7°27	6°37	5°18	20°16	27°14	28°19	11°57	12°29	25°32	n.a.	S 30
S 31	16 4 37	1♊ 2'09	5♓56	18♊49	15♋38	8♊ 6	6♏31	5♉26	20♊20	27♏12	28♒19	11°R57	12♐26	25♊39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n30	17s12	3n42	20n26	2n13	25n52	2n47	18n 9	0n35	14s 6	1n 2	10n20	1s59	23n33	0n16	18s33	1n29	27s30	16s19	22s37	22s48	22n48		n.a.
S 2	12 50	13 9	4 28	20 55	2 15	25 59	2 47	18 20	0 35	14 3	1 2	10 22	1 59	23 33	0 16	18 32	1 29	27 30	16 20	22 37	22 48	22 48		n.a.
S 3	13 9	8 29	4 58	21 21	2 16	26 5	2 47	18 32	0 36	14 1	1 2	10 25	1 59	23 33	0 16	18 32	1 29	27 30	16 20	22 37	22 47	22 47		n.a.
M 4	13 29	3 31	5 10	21 45	2 17	26 10	2 48	18 43	0 36	13 59	1 2	10 28	1 59	23 33	0 16	18 32	1 29	27 30	16 20	22 37	22 47	22 47		n.a.
T 5	13 48	1n32	5 7	22 7	2 16	26 15	2 48	18 54	0 37	13 56	1 1	10 31	1 59	23 34	0 16	18 31	1 29	27 30	16 21	22 36	22 46	22 46		n.a.
W 6	14 7	6 26	4 47	22 27	2 15	26 19	2 47	19 5	0 37	13 54	1 1	10 33	1 59	23 34	0 16	18 31	1 29	27 30	16 21	22 35	22 46	22 46		n.a.
T 7	14 26	10 58	4 14	22 45	2 14	26 22	2 47	19 15	0 38	13 52	1 1	10 36	1 59	23 34	0 16	18 30	1 29	27 30	16 21	22 35	22 46	22 45		n.a.
F 8	14 45	14 59	3 29	23 0	2 11	26 25	2 47	19 26	0 38	13 49	1 1	10 39	1 59	23 34	0 16	18 30	1 29	27 30	16 22	22 34	22 45	22 45		n.a.
S 9	15 3	18 16	2 34	23 13	2 8	26 27	2 46	19 36	0 39	13 47	1 1	10 42	1 59	23 35	0 16	18 30	1 29	27 30	16 22	22 33	22 45	22 44		n.a.
S 10	15 21	20 43	1 34	23 25	2 4	26 28	2 46	19 47	0 39	13 45	1 1	10 44	1 59	23 35	0 16	18 29	1 29	27 30	16 22	22 33	22 45	22 44		n.a.
M11	15 39	22 12	0 29	23 34	2 0	26 29	2 45	19 57	0 40	13 42	1 1	10 47	1 59	23 35	0 16	18 29	1 29	27 30	16 23	22 33	22 44	22 43		n.a.
T 12	15 57	22 41	0s36	23 41	1 54	26 29	2 44	20 7	0 40	13 40	1 1	10 50	1 59	23 35	0 16	18 29	1 29	27 31	16 23	22 33	22 44	22 43		n.a.
W13	16 14	22 8	1 39	23 47	1 48	26 29	2 43	20 17	0 40	13 38	1 0	10 53	1 59	23 36	0 16	18 28	1 29	27 31	16 23	22 33	22 43	22 42		n.a.
T 14	16 31	20 36	2 38	23 51	1 42	26 28	2 41	20 26	0 41	13 35	1 0	10 55	1 58	23 36	0 16	18 28	1 29	27 31	16 24	22 33	22 43	22 41		n.a.
F 15	16 48	18 10	3 31	23 53	1 34	26 26	2 40	20 36	0 41	13 33	1 0	10 58	1 58	23 36	0 16	18 28	1 29	27 31	16 24	22 33	22 43	22 41		n.a.
S 16	17 5	14 56	4 15	23 54	1 26	26 24	2 38	20 45	0 42	13 31	1 0	11 1	1 58	23 37	0 16	18 27	1 29	27 31	16 24	22 34	22 42	22 40		n.a.
S 17	17 21	11 1	4 48	23 53	1 17	26 21	2 37	20 54	0 42	13 28	1 0	11 3	1 58	23 37	0 16	18 27	1 29	27 31	16 25	22 34	22 42	22 40		n.a.
M18	17 37	6 33	5 9	23 50	1 7	26 17	2 35	21 3	0 43	13 26	1 0	11 6	1 58	23 37	0 16	18 27	1 29	27 31	16 25	22 33	22 41	22 39		n.a.
T 19	17 53	1 40	5 15	23 46	0 57	26 13	2 33	21 12	0 43	13 24	0 59	11 9	1 58	23 37	0 16	18 26	1 29	27 32	16 26	22 33	22 41	22 39		n.a.
W20	18 9	3s26	5 5	23 41	0 46	26 9	2 30	21 21	0 43	13 22	0 59	11 11	1 58	23 38	0 16	18 26	1 29	27 32	16 26	22 33	22 41	22 38		n.a.
T 21	18 24	8 33	4 37	23 34	0 35	26 3	2 28	21 29	0 44	13 19	0 59	11 14	1 58	23 38	0 16	18 25	1 29	27 32	16 26	22 33	22 40	22 37		n.a.
F 22	18 39	13 23	3 51	23 26	0 23	25 58	2 25	21 38	0 44	13 17	0 59	11 16	1 59	23 38	0 16	18 25	1 29	27 32	16 27	22 32	22 40	22 37		n.a.
S 23	18 53	17 33	2 49	23 17	0 10	25 51	2 22	21 46	0 45	13 15	0 59	11 19	1 59	23 38	0 16	18 25	1 29	27 33	16 27	22 32	22 39	22 36		n.a.
S 24	19 8	20 41	1 35	23 7	0s 3	25 45	2 19	21 54	0 45	13 13	0 59	11 22	1 59	23 39	0 16	18 24	1 29	27 33	16 27	22 32	22 39	22 36		n.a.
M25	19 22	22 24	0 14	22 55	0 17	25 37	2 16	22 2	0 45	13 11	0 58	11 24	1 59	23 39	0 16	18 24	1 29	27 33	16 28	22 32	22 38	22 35		n.a.
T 26	19 35	22 30	1n 9	22 43	0 31	25 29	2 13	22 9	0 46	13 9	0 58	11 27	1 59	23 39	0 16	18 24	1 29	27 33	16 28	22 32	22 38	22 34		n.a.
W27	19 49	21 0	2 26	22 30	0 46	25 21	2 9	22 17	0 46	13 7	0 58	11 29	1 59	23 39	0 16	18 23	1 29	27 34	16 29	22 32	22 38	22 34		n.a.
T 28	20 2	18 7	3 33	22 16	1 1	25 12	2 6	22 24	0 47	13 5	0 58	11 32	1 59	23 40	0 16	18 23	1 29	27 34	16 29	22 32	22 37	22 33		n.a.
F 29	20 15	14 11	4 24	22 2	1 16	25 3	2 2	22 31	0 47	13 3	0 58	11 34	1 59	23 40	0 16	18 23	1 29	27 34	16 29	22 32	22 37	22 33		n.a.
S 30	20 27	9 34	4 59	21 46	1 32	24 53	1 58	22 38	0 47	13 1	0 57	11 37	1 59	23 40	0 16	18 22	1 29	27 34	16 30	22 32	22 36	22 32		n.a.
S 31	20n39	4s35	5n15	21n31	1s47	24n43	1n53	22n45	0n48	12s59	0n57	11n39	1s59	23n40	0n16	18s22	1n29	27s35	16s30	22s32	22s36	22n31		n.a.

Julian Day Number = 1483765.5, Delta T = 05h20m30s
Ecliptic obliquity = 23°46'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'35, Lahiri = -12°56'35 Julian Calendar 1 May 651 BCE == Greg. Calendar 24 Apr. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

JUNE 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 8 33	1♊59'15	19♓12	18°R43	16♋28	8♊45	6°R25	5♉33	20♊23	27°R11	28♒19	11°R56	12♐22	25♊45	n.a.	M 1
T 2	16 12 30	2°56'21	2♈ 9	18♊32	17°17	9°23	6♏18	5°41	20°27	27♏ 9	28°19	11♐56	12°19	25°52	n.a.	T 2
W 3	16 16 27	3°53'27	14°49	18°17	18° 6	10° 2	6°12	5°48	20°30	27° 7	28°19	11°55	12°16	25°58	n.a.	W 3
T 4	16 20 23	4°50'34	27°15	17°58	18°53	10°41	6° 6	5°55	20°34	27° 6	28°19	11°54	12°13	26° 5	n.a.	T 4
F 5	16 24 20	5°47'41	9♉28	17°35	19°40	11°20	6° 1	6° 2	20°37	27° 4	28°19	11°53	12°10	26°12	n.a.	F 5
S 6	16 28 16	6°44'49	21°32	17° 8	20°27	11°58	5°55	6°10	20°41	27° 3	28°R19	11°52	12° 6	26°18	n.a.	S 6
S 7	16 32 13	7°41'57	3♊29	16°37	21°12	12°37	5°49	6°17	20°45	27° 1	28°19	11°52	12° 3	26°25	n.a.	S 7
M 8	16 36 9	8°39'06	15°20	16° 4	21°56	13°16	5°44	6°24	20°48	26°59	28°19	11°D52	12° 0	26°32	n.a.	M 8
T 9	16 40 6	9°36'15	27° 8	15°28	22°40	13°54	5°39	6°31	20°52	26°58	28°19	11°52	11°57	26°38	n.a.	T 9
W10	16 44 3	10°33'24	8♋55	14°50	23°22	14°33	5°34	6°38	20°55	26°56	28°19	11°52	11°54	26°45	n.a.	W10
T 11	16 47 59	11°30'34	20°44	14°11	24° 4	15°11	5°29	6°45	20°59	26°55	28°19	11°R52	11°51	26°52	n.a.	T 11
F 12	16 51 56	12°27'44	2♌38	13°31	24°45	15°50	5°24	6°52	21° 3	26°53	28°19	11°52	11°47	26°58	n.a.	F 12
S 13	16 55 52	13°24'54	14°41	12°52	25°24	16°28	5°19	6°59	21° 6	26°52	28°19	11°52	11°44	27° 5	n.a.	S 13
S 14	16 59 49	14°22'04	26°55	12°13	26° 3	17° 7	5°15	7° 6	21°10	26°50	28°18	11°52	11°41	27°12	n.a.	S 14
M15	17 3 45	15°19'15	9♍26	11°35	26°40	17°46	5°10	7°13	21°14	26°49	28°18	11°D52	11°38	27°18	n.a.	M15
T 16	17 7 42	16°16'26	22°17	11° 0	27°16	18°24	5° 6	7°19	21°17	26°47	28°18	11°52	11°35	27°25	n.a.	T 16
W17	17 11 38	17°13'38	5♎32	10°27	27°51	19° 3	5° 2	7°26	21°21	26°46	28°18	11°52	11°31	27°32	n.a.	W17
T 18	17 15 35	18°10'49	19°12	9°58	28°24	19°41	4°58	7°33	21°25	26°44	28°17	11°53	11°28	27°38	n.a.	T 18
F 19	17 19 32	19° 8'02	3♏19	9°32	28°56	20°20	4°55	7°39	21°28	26°43	28°17	11°53	11°25	27°45	n.a.	F 19
S 20	17 23 28	20° 5'15	17°51	9°11	29°27	20°58	4°51	7°46	21°32	26°41	28°17	11°54	11°22	27°52	n.a.	S 20
S 21	17 27 25	21° 2'28	2♐44	8°55	29°57	21°36	4°48	7°53	21°36	26°40	28°17	11°54	11°19	27°58	n.a.	S 21
M22	17 31 21	21°59'43	17°51	8°44	0♌24	22°15	4°45	7°59	21°39	26°38	28°16	11°R54	11°16	28° 5	n.a.	M22
T 23	17 35 18	22°56'58	3♑ 3	8°D39	0°51	22°53	4°42	8° 5	21°43	26°37	28°16	11°54	11°12	28°11	n.a.	T 23
W24	17 39 14	23°54'14	18°12	8°39	1°15	23°32	4°39	8°12	21°47	26°35	28°15	11°53	11° 9	28°18	n.a.	W24
T 25	17 43 11	24°51'31	3♒ 7	8°45	1°38	24°10	4°36	8°18	21°50	26°34	28°15	11°51	11° 6	28°25	n.a.	T 25
F 26	17 47 7	25°48'49	17°42	8°58	2° 0	24°49	4°34	8°24	21°54	26°33	28°15	11°50	11° 3	28°31	n.a.	F 26
S 27	17 51 4	26°46'09	1♓52	9°17	2°19	25°27	4°31	8°30	21°58	26°31	28°14	11°48	11° 0	28°38	n.a.	S 27
S 28	17 55 1	27°43'29	15°35	9°42	2°37	26° 5	4°29	8°37	22° 1	26°30	28°14	11°47	10°57	28°45	n.a.	S 28
M29	17 58 57	28°40'51	28°52	10°13	2°52	26°44	4°27	8°43	22° 5	26°29	28°13	11°D47	10°53	28°51	n.a.	M29
T 30	18 2 54	29♊38'14	11♈45	10♊50	3♌ 6	27♊22	4♏25	8♉49	22♊ 8	26♏27	28♒13	11♐47	10♐50	28♊58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	20n51	0n29	5n15	21n15	2s 3	24n32	1n49	22n52	0n48	12s57	0n57	11n42	1s59	23n41	0n16	18s22	1n29	27s35	16s30	22s32	22s36	22n31		n.a.
T 2	21 2	5 24	4 58	20 58	2 19	24 21	1 44	22 58	0 49	12 55	0 57	11 44	1 59	23 41	0 16	18 21	1 29	27 35	16 31	22 32	22 35	22 30		n.a.
W 3	21 13	10 0	4 27	20 41	2 34	24 10	1 39	23 4	0 49	12 53	0 57	11 46	1 59	23 41	0 16	18 21	1 29	27 36	16 31	22 32	22 35	22 29		n.a.
T 4	21 24	14 6	3 43	20 25	2 49	23 58	1 34	23 10	0 49	12 51	0 56	11 49	1 59	23 42	0 16	18 20	1 29	27 36	16 32	22 32	22 34	22 29		n.a.
F 5	21 34	17 32	2 50	20 8	3 4	23 46	1 28	23 16	0 50	12 50	0 56	11 51	1 59	23 42	0 16	18 20	1 29	27 36	16 32	22 32	22 34	22 28		n.a.
S 6	21 44	20 11	1 51	19 51	3 18	23 33	1 22	23 22	0 50	12 48	0 56	11 53	1 59	23 42	0 16	18 20	1 29	27 37	16 32	22 32	22 33	22 27		n.a.
S 7	21 54	21 54	0 46	19 35	3 31	23 20	1 17	23 28	0 51	12 46	0 56	11 56	1 59	23 42	0 16	18 19	1 29	27 37	16 33	22 32	22 33	22 27		n.a.
M 8	22 3	22 38	0s19	19 19	3 44	23 7	1 10	23 33	0 51	12 45	0 55	11 58	1 59	23 43	0 16	18 19	1 29	27 37	16 33	22 32	22 33	22 26		n.a.
T 9	22 12	22 21	1 24	19 4	3 55	22 53	1 4	23 38	0 51	12 43	0 55	12 0	1 59	23 43	0 16	18 19	1 29	27 38	16 33	22 32	22 32	22 25		n.a.
W10	22 20	21 4	2 25	18 50	4 5	22 40	0 57	23 43	0 52	12 42	0 55	12 3	1 59	23 43	0 16	18 18	1 29	27 38	16 34	22 32	22 32	22 25		n.a.
T 11	22 29	18 52	3 20	18 37	4 14	22 25	0 50	23 48	0 52	12 40	0 55	12 5	1 59	23 43	0 16	18 18	1 29	27 38	16 34	22 32	22 31	22 24		n.a.
F 12	22 36	15 51	4 6	18 25	4 22	22 11	0 43	23 52	0 52	12 39	0 54	12 7	1 59	23 44	0 16	18 18	1 29	27 39	16 35	22 32	22 31	22 23		n.a.
S 13	22 44	12 9	4 43	18 14	4 28	21 57	0 36	23 57	0 53	12 38	0 54	12 9	1 59	23 44	0 16	18 17	1 29	27 39	16 35	22 32	22 30	22 23		n.a.
S 14	22 51	7 54	5 7	18 5	4 32	21 42	0 28	24 1	0 53	12 36	0 54	12 12	1 59	23 44	0 16	18 17	1 29	27 40	16 35	22 32	22 30	22 22		n.a.
M15	22 57	3 15	5 17	17 57	4 35	21 27	0 20	24 5	0 53	12 35	0 54	12 14	2 0	23 44	0 16	18 17	1 29	27 40	16 36	22 31	22 30	22 21		n.a.
T 16	23 3	1s41	5 13	17 51	4 36	21 12	0 12	24 9	0 54	12 34	0 53	12 16	2 0	23 45	0 16	18 16	1 29	27 40	16 36	22 31	22 29	22 20		n.a.
W17	23 9	6 40	4 51	17 47	4 35	20 57	0 4	24 13	0 54	12 33	0 53	12 18	2 0	23 45	0 16	18 16	1 29	27 41	16 36	22 32	22 29	22 20		n.a.
T 18	23 14	11 30	4 13	17 45	4 33	20 41	0s 5	24 16	0 54	12 32	0 53	12 20	2 0	23 45	0 16	18 16	1 29	27 41	16 37	22 32	22 28	22 19		n.a.
F 19	23 19	15 54	3 18	17 45	4 30	20 26	0 14	24 19	0 55	12 31	0 53	12 22	2 0	23 45	0 16	18 15	1 29	27 42	16 37	22 32	22 28	22 18		n.a.
S 20	23 24	19 28	2 10	17 47	4 24	20 10	0 23	24 23	0 55	12 30	0 52	12 24	2 0	23 46	0 16	18 15	1 29	27 42	16 37	22 32	22 27	22 17		n.a.
S 21	23 28	21 50	0 51	17 51	4 18	19 55	0 33	24 26	0 55	12 29	0 52	12 26	2 0	23 46	0 16	18 15	1 29	27 43	16 38	22 32	22 27	22 17		n.a.
M22	23 32	22 40	0n33	17 57	4 10	19 39	0 43	24 28	0 56	12 28	0 52	12 28	2 0	23 46	0 16	18 14	1 28	27 43	16 38	22 32	22 26	22 16		n.a.
T 23	23 35	21 49	1 55	18 5	4 1	19 23	0 53	24 31	0 56	12 27	0 52	12 30	2 0	23 46	0 16	18 14	1 28	27 44	16 39	22 32	22 26	22 15		n.a.
W24	23 38	19 25	3 8	18 15	3 51	19 8	1 3	24 33	0 56	12 26	0 51	12 32	2 0	23 47	0 16	18 14	1 28	27 44	16 39	22 32	22 26	22 14		n.a.
T 25	23 40	15 43	4 7	18 27	3 40	18 52	1 14	24 35	0 57	12 26	0 51	12 34	2 0	23 47	0 16	18 14	1 28	27 45	16 39	22 31	22 25	22 14		n.a.
F 26	23 42	11 9	4 49	18 41	3 28	18 37	1 25	24 37	0 57	12 25	0 51	12 36	2 0	23 47	0 16	18 13	1 28	27 45	16 40	22 31	22 25	22 13		n.a.
S 27	23 44	6 6	5 12	18 56	3 15	18 21	1 36	24 39	0 57	12 25	0 51	12 38	2 1	23 47	0 16	18 13	1 28	27 45	16 40	22 31	22 24	22 12		n.a.
S 28	23 45	0 55	5 16	19 13	3 2	18 6	1 48	24 41	0 58	12 24	0 50	12 40	2 1	23 48	0 16	18 13	1 28	27 46	16 40	22 31	22 24	22 11		n.a.
M29	23 46	4n10	5 3	19 31	2 48	17 51	1 59	24 42	0 58	12 24	0 50	12 42	2 1	23 48	0 16	18 12	1 28	27 46	16 41	22 31	22 23	22 11		n.a.
T 30	23n46	8n55	4n35	19n51	2s33	17n36	2s11	24n43	0n58	12s23	0n50	12n44	2s 1	23n48	0n16	18s12	1n28	27s47	16s41	22s31	22s23	22n10		n.a.

Julian Day Number = 1483796.5, Delta T = 05h20m28s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'31, Lahiri = -12°56'31 Julian Calendar 1 June 651 BCE == Greg. Calendar 25 May 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

JULY 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 6 50	0♋35'39	24♈18	11♊34	3♌18	28♊ 0	4°R24	8♉55	22♊12	26°R26	28°R12	11♐48	10♐47	29♊ 5	n.a.	W 1
T 2	18 10 47	1°33'05	6♉34	12°24	3°28	28°39	4♏22	9° 0	22°16	26♏25	28♒12	11°50	10°44	29°11	n.a.	T 2
F 3	18 14 43	2°30'33	18°38	13°20	3°35	29°17	4°21	9° 6	22°19	26°24	28°11	11°51	10°41	29°18	n.a.	F 3
S 4	18 18 40	3°28'01	0♊33	14°22	3°41	29°55	4°20	9°12	22°23	26°22	28°10	11°53	10°37	29°25	n.a.	S 4
S 5	18 22 37	4°25'32	12°23	15°30	3°44	0♋34	4°19	9°18	22°27	26°21	28°10	11°R53	10°34	29°31	n.a.	S 5
M 6	18 26 33	5°23'03	24°10	16°43	3°R45	1°12	4°19	9°23	22°30	26°20	28° 9	11°52	10°31	29°38	n.a.	M 6
T 7	18 30 30	6°20'36	5♋58	18° 2	3°44	1°50	4°18	9°29	22°34	26°19	28° 9	11°51	10°28	29°45	n.a.	T 7
W 8	18 34 26	7°18'10	17°48	19°26	3°40	2°29	4°18	9°34	22°37	26°18	28° 8	11°48	10°25	29°51	n.a.	W 8
T 9	18 38 23	8°15'46	29°42	20°55	3°34	3° 7	4°D18	9°40	22°41	26°17	28° 7	11°44	10°22	29°58	n.a.	T 9
F 10	18 42 19	9°13'22	11♌43	22°28	3°26	3°45	4°18	9°45	22°45	26°16	28° 6	11°39	10°18	0♋ 5	n.a.	F 10
S 11	18 46 16	10°11'00	23°52	24° 6	3°15	4°23	4°18	9°50	22°48	26°15	28° 6	11°34	10°15	0°11	n.a.	S 11
S 12	18 50 12	11° 8'39	6♍13	25°47	3° 2	5° 2	4°19	9°55	22°52	26°14	28° 5	11°30	10°12	0°18	n.a.	S 12
M13	18 54 9	12° 6'19	18°47	27°33	2°46	5°40	4°19	10° 0	22°55	26°13	28° 4	11°27	10° 9	0°25	n.a.	M13
T 14	18 58 6	13° 4'01	1♎37	29°21	2°29	6°18	4°20	10° 5	22°59	26°12	28° 3	11°25	10° 6	0°31	n.a.	T 14
W15	19 2 2	14° 1'43	14°47	1♋12	2° 8	6°56	4°21	10°10	23° 2	26°11	28° 3	11°D24	10° 3	0°38	n.a.	W15
T 16	19 5 59	14°59'27	28°19	3° 6	1°46	7°35	4°23	10°15	23° 6	26°10	28° 2	11°25	9°59	0°45	n.a.	T 16
F 17	19 9 55	15°57'12	12♏14	5° 1	1°22	8°13	4°24	10°20	23° 9	26° 9	28° 1	11°26	9°56	0°51	n.a.	F 17
S 18	19 13 52	16°54'59	26°33	6°59	0°55	8°51	4°26	10°24	23°13	26° 8	28° 0	11°28	9°53	0°58	n.a.	S 18
S 19	19 17 48	17°52'47	11♐14	8°57	0°27	9°29	4°27	10°29	23°16	26° 7	27°59	11°R28	9°50	1° 4	n.a.	S 19
M20	19 21 45	18°50'36	26°12	10°56	29♋57	10° 8	4°29	10°33	23°19	26° 6	27°58	11°27	9°47	1°11	n.a.	M20
T 21	19 25 41	19°48'27	11♑21	12°56	29°25	10°46	4°31	10°38	23°23	26° 5	27°58	11°25	9°43	1°18	n.a.	T 21
W22	19 29 38	20°46'19	26°31	14°56	28°52	11°24	4°34	10°42	23°26	26° 5	27°57	11°21	9°40	1°24	n.a.	W22
T 23	19 33 35	21°44'13	11♒33	16°55	28°18	12° 2	4°36	10°46	23°30	26° 4	27°56	11°15	9°37	1°31	n.a.	T 23
F 24	19 37 31	22°42'09	26°16	18°55	27°43	12°40	4°39	10°51	23°33	26° 3	27°55	11° 9	9°34	1°38	n.a.	F 24
S 25	19 41 28	23°40'07	10♓35	20°54	27° 7	13°18	4°42	10°55	23°36	26° 3	27°54	11° 3	9°31	1°44	n.a.	S 25
S 26	19 45 24	24°38'06	24°27	22°53	26°30	13°57	4°45	10°59	23°39	26° 2	27°53	10°58	9°28	1°51	n.a.	S 26
M27	19 49 21	25°36'08	7♈49	24°50	25°53	14°35	4°48	11° 3	23°43	26° 1	27°52	10°55	9°24	1°58	n.a.	M27
T 28	19 53 17	26°34'11	20°44	26°47	25°16	15°13	4°51	11° 6	23°46	26° 1	27°51	10°53	9°21	2° 4	n.a.	T 28
W29	19 57 14	27°32'17	3♉16	28°43	24°40	15°51	4°55	11°10	23°49	26° 0	27°50	10°D53	9°18	2°11	n.a.	W29
T 30	20 1 10	28°30'25	15°30	0♌38	24° 3	16°29	4°59	11°14	23°52	26° 0	27°49	10°54	9°15	2°18	n.a.	T 30
F 31	20 5 7	29♋28'35	27♉29	2♌32	23♋27	17♋ 8	5♏ 3	11♉17	23♊56	25♏59	27♒48	10♐55	9♐12	2♋24	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n46	13n10	3n54	20n11	2s19	17n22	2s24	24n44	0n59	12s23	0n50	12n45	2s 1	23n48	0n16	18s12	1n28	27s47	16s41	22s31	22s22	22n 9			n.a.
T 2	23 46	16 46	3 3	20 33	2 4	17 7	2 36	24 45	0 59	12 23	0 49	12 47	2 1	23 48	0 16	18 12	1 28	27 48	16 42	22 31	22 22	22 8			n.a.
F 3	23 45	19 37	2 5	20 55	1 49	16 53	2 49	24 46	0 59	12 23	0 49	12 49	2 1	23 49	0 16	18 11	1 28	27 48	16 42	22 31	22 22	22 7			n.a.
S 4	23 44	21 34	1 2	21 17	1 34	16 39	3 2	24 46	1 0	12 23	0 49	12 51	2 1	23 49	0 16	18 11	1 28	27 49	16 42	22 32	22 21	22 7			n.a.
S 5	23 42	22 33	0s 3	21 40	1 19	16 26	3 15	24 46	1 0	12 23	0 49	12 52	2 1	23 49	0 16	18 11	1 28	27 49	16 42	22 32	22 21	22 6			n.a.
M 6	23 40	22 31	1 7	22 2	1 4	16 12	3 29	24 46	1 0	12 23	0 48	12 54	2 2	23 49	0 16	18 11	1 28	27 50	16 43	22 32	22 20	22 5			n.a.
T 7	23 37	21 30	2 9	22 24	0 50	15 59	3 42	24 46	1 1	12 23	0 48	12 56	2 2	23 50	0 16	18 10	1 28	27 51	16 43	22 31	22 20	22 4			n.a.
W 8	23 34	19 31	3 5	22 45	0 36	15 47	3 56	24 46	1 1	12 23	0 48	12 57	2 2	23 50	0 16	18 10	1 28	27 51	16 43	22 31	22 19	22 3			n.a.
T 9	23 31	16 42	3 53	23 6	0 22	15 35	4 9	24 45	1 1	12 23	0 48	12 59	2 2	23 50	0 16	18 10	1 28	27 52	16 44	22 30	22 19	22 3			n.a.
F 10	23 27	13 10	4 32	23 25	0 8	15 24	4 23	24 44	1 1	12 23	0 47	13 1	2 2	23 50	0 16	18 10	1 28	27 52	16 44	22 30	22 18	22 2			n.a.
S 11	23 23	9 4	4 58	23 43	0n 4	15 13	4 37	24 44	1 2	12 24	0 47	13 2	2 2	23 50	0 16	18 10	1 28	27 53	16 44	22 29	22 18	22 1			n.a.
S 12	23 18	4 32	5 12	23 59	0 17	15 2	4 51	24 42	1 2	12 24	0 47	13 4	2 2	23 51	0 16	18 9	1 28	27 53	16 45	22 29	22 17	22 0			n.a.
M13	23 13	0s15	5 10	24 13	0 28	14 52	5 5	24 41	1 2	12 25	0 47	13 5	2 2	23 51	0 16	18 9	1 28	27 54	16 45	22 28	22 17	21 59			n.a.
T 14	23 7	5 8	4 54	24 25	0 39	14 43	5 18	24 40	1 3	12 25	0 46	13 6	2 3	23 51	0 16	18 9	1 28	27 54	16 45	22 28	22 16	21 58			n.a.
W15	23 1	9 55	4 22	24 35	0 49	14 34	5 32	24 38	1 3	12 26	0 46	13 8	2 3	23 51	0 16	18 9	1 28	27 55	16 45	22 28	22 16	21 57			n.a.
T 16	22 55	14 21	3 34	24 43	0 59	14 26	5 45	24 36	1 3	12 26	0 46	13 9	2 3	23 51	0 16	18 9	1 28	27 55	16 46	22 28	22 15	21 57			n.a.
F 17	22 48	18 9	2 33	24 48	1 7	14 19	5 58	24 34	1 3	12 27	0 46	13 11	2 3	23 52	0 16	18 9	1 27	27 56	16 46	22 28	22 15	21 56			n.a.
S 18	22 41	20 58	1 21	24 50	1 15	14 12	6 11	24 32	1 4	12 28	0 45	13 12	2 3	23 52	0 16	18 8	1 27	27 56	16 46	22 28	22 15	21 55			n.a.
S 19	22 34	22 28	0 1	24 49	1 22	14 6	6 23	24 29	1 4	12 29	0 45	13 13	2 3	23 52	0 16	18 8	1 27	27 57	16 46	22 28	22 14	21 54			n.a.
M20	22 26	22 24	1n20	24 46	1 28	14 1	6 35	24 27	1 4	12 30	0 45	13 15	2 3	23 52	0 16	18 8	1 27	27 58	16 47	22 28	22 14	21 53			n.a.
T 21	22 17	20 42	2 36	24 40	1 33	13 56	6 46	24 24	1 4	12 31	0 44	13 16	2 4	23 52	0 16	18 8	1 27	27 58	16 47	22 28	22 13	21 52			n.a.
W22	22 9	17 32	3 41	24 32	1 37	13 52	6 57	24 21	1 5	12 32	0 44	13 17	2 4	23 53	0 16	18 8	1 27	27 59	16 47	22 27	22 13	21 51			n.a.
T 23	21 59	13 15	4 30	24 21	1 41	13 49	7 7	24 18	1 5	12 33	0 44	13 18	2 4	23 53	0 16	18 8	1 27	27 59	16 47	22 26	22 12	21 50			n.a.
F 24	21 50	8 14	5 0	24 7	1 43	13 46	7 17	24 14	1 5	12 34	0 44	13 19	2 4	23 53	0 16	18 8	1 27	28 0	16 48	22 26	22 12	21 50			n.a.
S 25	21 40	2 56	5 10	23 52	1 45	13 45	7 25	24 11	1 5	12 35	0 43	13 21	2 4	23 53	0 16	18 7	1 27	28 0	16 48	22 25	22 11	21 49			n.a.
S 26	21 30	2n22	5 1	23 33	1 47	13 43	7 34	24 7	1 6	12 36	0 43	13 22	2 4	23 53	0 16	18 7	1 27	28 1	16 48	22 24	22 11	21 48			n.a.
M27	21 19	7 22	4 37	23 13	1 47	13 43	7 41	24 3	1 6	12 38	0 43	13 23	2 5	23 53	0 16	18 7	1 27	28 1	16 48	22 24	22 10	21 47			n.a.
T 28	21 8	11 52	3 58	22 51	1 48	13 43	7 47	23 59	1 6	12 39	0 43	13 24	2 5	23 54	0 16	18 7	1 27	28 2	16 49	22 23	22 10	21 46			n.a.
W29	20 57	15 44	3 10	22 27	1 47	13 44	7 53	23 55	1 6	12 40	0 43	13 25	2 5	23 54	0 16	18 7	1 27	28 3	16 49	22 23	22 9	21 45			n.a.
T 30	20 45	18 50	2 13	22 1	1 46	13 46	7 58	23 51	1 7	12 42	0 42	13 26	2 5	23 54	0 16	18 7	1 27	28 3	16 49	22 23	22 9	21 44			n.a.
F 31	20n33	21n 3	1n12	21n33	1n44	13n48	8s 1	23n46	1n 7	12s43	0n42	13n27	2s 5	23n54	0n16	18s 7	1n27	28s 4	16s49	22s24	22s 8	21n43			n.a.

Julian Day Number = 1483826.5, Delta T = 05h20m27s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'27, Lahiri = -12°56'27 Julian Calendar 1 July 651 BCE == Greg. Calendar 24 June 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

AUGUST 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 9 3	0♌26'47	9♊21	4♌25	22°R53	17♋46	5♏ 7	11♉21	23♊59	25°R59	27°R47	10°R56	9♐ 9	2♋31	n.a.	S 1
S 2	20 13 0	1°25'01	21° 8	6°17	22♋19	18°24	5°11	11°24	24° 2	25♏58	27♒46	10♐56	9° 5	2°38	n.a.	S 2
M 3	20 16 57	2°23'18	2♋55	8° 7	21°46	19° 2	5°15	11°27	24° 5	25°58	27°45	10°53	9° 2	2°44	n.a.	M 3
T 4	20 20 53	3°21'36	14°45	9°56	21°15	19°40	5°20	11°30	24° 8	25°57	27°44	10°48	8°59	2°51	n.a.	T 4
W 5	20 24 50	4°19'56	26°41	11°45	20°46	20°18	5°25	11°33	24°11	25°57	27°43	10°41	8°56	2°58	n.a.	W 5
T 6	20 28 46	5°18'19	8♌44	13°32	20°18	20°57	5°30	11°36	24°14	25°57	27°42	10°32	8°53	3° 4	n.a.	T 6
F 7	20 32 43	6°16'43	20°57	15°17	19°53	21°35	5°35	11°39	24°17	25°56	27°40	10°21	8°49	3°11	n.a.	F 7
S 8	20 36 39	7°15'09	3♍19	17° 2	19°29	22°13	5°40	11°42	24°20	25°56	27°39	10°11	8°46	3°18	n.a.	S 8
S 9	20 40 36	8°13'37	15°52	18°46	19° 7	22°51	5°45	11°44	24°23	25°56	27°38	10° 1	8°43	3°24	n.a.	S 9
M10	20 44 32	9°12'07	28°37	20°28	18°48	23°29	5°51	11°47	24°26	25°56	27°37	9°53	8°40	3°31	n.a.	M10
T 11	20 48 29	10°10'38	11♎34	22°10	18°31	24° 7	5°57	11°49	24°28	25°55	27°36	9°47	8°37	3°38	n.a.	T 11
W12	20 52 26	11° 9'12	24°46	23°50	18°16	24°46	6° 2	11°52	24°31	25°55	27°35	9°44	8°34	3°44	n.a.	W12
T 13	20 56 22	12° 7'47	8♏15	25°29	18° 4	25°24	6° 8	11°54	24°34	25°55	27°34	9°D42	8°30	3°51	n.a.	T 13
F 14	21 0 19	13° 6'24	22° 1	27° 7	17°54	26° 2	6°15	11°56	24°37	25°55	27°33	9°42	8°27	3°58	n.a.	F 14
S 15	21 4 15	14° 5'03	6♐ 5	28°44	17°47	26°40	6°21	11°58	24°39	25°D55	27°31	9°R43	8°24	4° 4	n.a.	S 15
S 16	21 8 12	15° 3'44	20°29	0♍20	17°42	27°18	6°27	12° 0	24°42	25°55	27°30	9°43	8°21	4°11	n.a.	S 16
M17	21 12 8	16° 2'26	5♑ 8	1°55	17°39	27°56	6°34	12° 2	24°45	25°55	27°29	9°40	8°18	4°18	n.a.	M17
T 18	21 16 5	17° 1'10	19°59	3°29	17°D38	28°35	6°41	12° 3	24°47	25°55	27°28	9°36	8°15	4°24	n.a.	T 18
W19	21 20 1	17°59'57	4♒55	5° 2	17°40	29°13	6°48	12° 5	24°50	25°55	27°27	9°28	8°11	4°31	n.a.	W19
T 20	21 23 58	18°58'45	19°47	6°34	17°45	29°51	6°55	12° 6	24°52	25°55	27°26	9°19	8° 8	4°38	n.a.	T 20
F 21	21 27 55	19°57'35	4♓26	8° 5	17°51	0♌29	7° 2	12° 8	24°55	25°56	27°24	9° 8	8° 5	4°44	n.a.	F 21
S 22	21 31 51	20°56'28	18°45	9°35	18° 0	1° 7	7° 9	12° 9	24°57	25°56	27°23	8°57	8° 2	4°51	n.a.	S 22
S 23	21 35 48	21°55'23	2♈38	11° 5	18°11	1°45	7°17	12°10	25° 0	25°56	27°22	8°48	7°59	4°58	n.a.	S 23
M24	21 39 44	22°54'20	16° 4	12°33	18°24	2°23	7°25	12°11	25° 2	25°56	27°21	8°41	7°55	5° 4	n.a.	M24
T 25	21 43 41	23°53'19	29° 3	14° 0	18°39	3° 2	7°32	12°12	25° 4	25°57	27°20	8°36	7°52	5°11	n.a.	T 25
W26	21 47 37	24°52'21	11♉37	15°26	18°57	3°40	7°40	12°13	25° 7	25°57	27°18	8°33	7°49	5°18	n.a.	W26
T 27	21 51 34	25°51'26	23°52	16°51	19°16	4°18	7°48	12°13	25° 9	25°57	27°17	8°D33	7°46	5°24	n.a.	T 27
F 28	21 55 30	26°50'33	5♊52	18°15	19°37	4°56	7°56	12°14	25°11	25°58	27°16	8°R33	7°43	5°31	n.a.	F 28
S 29	21 59 27	27°49'42	17°43	19°38	20° 0	5°34	8° 5	12°14	25°13	25°58	27°15	8°32	7°40	5°38	n.a.	S 29
S 30	22 3 23	28°48'54	29°30	20°59	20°24	6°12	8°13	12°15	25°15	25°59	27°14	8°31	7°36	5°44	n.a.	S 30
M31	22 7 20	29♌48'08	11♋19	22♍20	20♋51	6♌51	8♏22	12♉15	25♊17	25♏59	27♒12	8♐27	7♐33	5♋51	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n20	22n18	0n 9	21n 4	1n42	13n50	8s 4	23n41	1n 7	12s45	0n42	13n28	2s 5	23n54	0n16	18s 7	1n27	28s 4	16s49	22s24	22s 8	21n42		n.a.
S 2	20 7	22 34	0s55	20 34	1 39	13 54	8 7	23 36	1 7	12 47	0 42	13 28	2 6	23 54	0 16	18 7	1 27	28 5	16 50	22 24	22 7	21 41		n.a.
M 3	19 54	21 49	1 56	20 2	1 36	13 57	8 8	23 31	1 8	12 48	0 41	13 29	2 6	23 55	0 16	18 7	1 27	28 5	16 50	22 23	22 7	21 40		n.a.
T 4	19 41	20 6	2 52	19 29	1 33	14 2	8 8	23 26	1 8	12 50	0 41	13 30	2 6	23 55	0 16	18 7	1 27	28 6	16 50	22 23	22 6	21 39		n.a.
W 5	19 27	17 30	3 40	18 55	1 29	14 6	8 8	23 20	1 8	12 52	0 41	13 31	2 6	23 55	0 16	18 7	1 26	28 6	16 50	22 22	22 6	21 38		n.a.
T 6	19 12	14 9	4 20	18 20	1 24	14 12	8 7	23 14	1 8	12 54	0 41	13 32	2 6	23 55	0 16	18 7	1 26	28 7	16 50	22 20	22 5	21 37		n.a.
F 7	18 58	10 10	4 48	17 44	1 20	14 17	8 5	23 9	1 9	12 56	0 40	13 32	2 6	23 55	0 16	18 7	1 26	28 8	16 50	22 19	22 5	21 36		n.a.
S 8	18 43	5 44	5 3	17 8	1 15	14 23	8 2	23 3	1 9	12 58	0 40	13 33	2 7	23 55	0 16	18 7	1 26	28 8	16 51	22 17	22 4	21 35		n.a.
S 9	18 28	1 0	5 3	16 31	1 10	14 29	7 59	22 56	1 9	13 0	0 40	13 34	2 7	23 56	0 16	18 7	1 26	28 9	16 51	22 16	22 4	21 35		n.a.
M10	18 12	3s51	4 49	15 53	1 4	14 36	7 55	22 50	1 9	13 2	0 40	13 34	2 7	23 56	0 16	18 7	1 26	28 9	16 51	22 14	22 3	21 34		n.a.
T 11	17 56	8 36	4 20	15 14	0 58	14 43	7 50	22 44	1 9	13 4	0 39	13 35	2 7	23 56	0 17	18 7	1 26	28 10	16 51	22 14	22 3	21 33		n.a.
W12	17 40	13 4	3 36	14 35	0 52	14 50	7 45	22 37	1 10	13 6	0 39	13 35	2 7	23 56	0 17	18 7	1 26	28 10	16 51	22 13	22 2	21 32		n.a.
T 13	17 24	16 58	2 40	13 56	0 46	14 57	7 39	22 30	1 10	13 8	0 39	13 36	2 7	23 56	0 17	18 7	1 26	28 11	16 51	22 13	22 2	21 31		n.a.
F 14	17 7	20 1	1 33	13 16	0 40	15 4	7 33	22 23	1 10	13 11	0 39	13 36	2 8	23 56	0 17	18 7	1 26	28 11	16 51	22 13	22 1	21 30		n.a.
S 15	16 50	21 57	0 19	12 36	0 33	15 12	7 26	22 16	1 10	13 13	0 39	13 37	2 8	23 56	0 17	18 7	1 26	28 12	16 51	22 13	22 1	21 29		n.a.
S 16	16 33	22 29	0n57	11 55	0 26	15 19	7 19	22 8	1 11	13 15	0 38	13 37	2 8	23 56	0 17	18 7	1 26	28 12	16 51	22 13	22 0	21 28		n.a.
M17	16 15	21 29	2 11	11 14	0 20	15 27	7 12	22 1	1 11	13 18	0 38	13 38	2 8	23 57	0 17	18 7	1 26	28 13	16 52	22 13	22 0	21 27		n.a.
T 18	15 57	19 1	3 17	10 34	0 13	15 35	7 4	21 53	1 11	13 20	0 38	13 38	2 8	23 57	0 17	18 7	1 26	28 13	16 52	22 12	21 59	21 26		n.a.
W19	15 39	15 16	4 10	9 53	0 5	15 42	6 56	21 46	1 11	13 23	0 38	13 38	2 8	23 57	0 17	18 7	1 26	28 14	16 52	22 11	21 59	21 25		n.a.
T 20	15 21	10 35	4 45	9 12	0s 2	15 50	6 48	21 38	1 11	13 25	0 37	13 39	2 9	23 57	0 17	18 7	1 26	28 14	16 52	22 9	21 58	21 24		n.a.
F 21	15 2	5 21	5 1	8 31	0 9	15 57	6 40	21 29	1 12	13 28	0 37	13 39	2 9	23 57	0 17	18 7	1 26	28 15	16 52	22 8	21 58	21 22		n.a.
S 22	14 43	0n 3	4 58	7 50	0 17	16 5	6 31	21 21	1 12	13 31	0 37	13 39	2 9	23 57	0 17	18 7	1 26	28 15	16 52	22 6	21 57	21 21		n.a.
S 23	14 24	5 17	4 37	7 9	0 24	16 12	6 22	21 13	1 12	13 33	0 37	13 39	2 9	23 57	0 17	18 7	1 25	28 16	16 52	22 5	21 57	21 20		n.a.
M24	14 4	10 6	4 1	6 28	0 32	16 19	6 13	21 4	1 12	13 36	0 37	13 39	2 9	23 57	0 17	18 8	1 25	28 16	16 52	22 3	21 56	21 19		n.a.
T 25	13 45	14 17	3 13	5 47	0 39	16 26	6 4	20 55	1 12	13 39	0 36	13 39	2 10	23 58	0 17	18 8	1 25	28 17	16 52	22 3	21 56	21 18		n.a.
W26	13 25	17 43	2 18	5 6	0 47	16 33	5 55	20 47	1 12	13 42	0 36	13 39	2 10	23 58	0 17	18 8	1 25	28 17	16 52	22 2	21 55	21 17		n.a.
T 27	13 5	20 15	1 17	4 26	0 54	16 40	5 46	20 38	1 13	13 44	0 36	13 39	2 10	23 58	0 17	18 8	1 25	28 18	16 52	22 2	21 55	21 16		n.a.
F 28	12 44	21 49	0 14	3 46	1 2	16 46	5 37	20 28	1 13	13 47	0 36	13 39	2 10	23 58	0 17	18 8	1 25	28 18	16 52	22 2	21 54	21 15		n.a.
S 29	12 24	22 23	0s48	3 6	1 10	16 52	5 27	20 19	1 13	13 50	0 36	13 39	2 10	23 58	0 17	18 8	1 25	28 19	16 52	22 2	21 53	21 14		n.a.
S 30	12 3	21 58	1 49	2 26	1 17	16 58	5 18	20 10	1 13	13 53	0 35	13 39	2 10	23 58	0 17	18 8	1 25	28 19	16 52	22 2	21 53	21 13		n.a.
M31	11n42	20n33	2s44	1n47	1s25	17n 3	5s 9	20n 0	1n13	13s56	0n35	13n39	2s11	23n58	0n17	18s 9	1n25	28s20	16s52	22s 1	21s52	21n12		n.a.

Julian Day Number = 1483857.5, Delta T = 05h20m25s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'23, Lahiri = -12°56'22 Julian Calendar 1 Aug. 651 BCE == Greg. Calendar 25 July 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

SEPTEMBER 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 11 17	0♍47'25	23♋13	23♍40	21♋19	7♌29	8♏30	12♉15	25♊19	26♏ 0	27°R11	8°R20	7♐30	5♋58	n.a.	T 1
W 2	22 15 13	1°46'44	5♌16	24°58	21°48	8° 7	8°39	12°R15	25°21	26° 0	27♒10	8♐11	7°27	6° 4	n.a.	W 2
T 3	22 19 10	2°46'05	17°30	26°15	22°19	8°45	8°48	12°15	25°23	26° 1	27° 9	7°59	7°24	6°11	n.a.	T 3
F 4	22 23 6	3°45'28	29°57	27°30	22°52	9°23	8°57	12°15	25°25	26° 1	27° 8	7°45	7°20	6°18	n.a.	F 4
S 5	22 27 3	4°44'54	12♍37	28°44	23°26	10° 2	9° 6	12°15	25°27	26° 2	27° 7	7°31	7°17	6°24	n.a.	S 5
S 6	22 30 59	5°44'21	25°29	29°56	24° 1	10°40	9°16	12°14	25°29	26° 3	27° 5	7°18	7°14	6°31	n.a.	S 6
M 7	22 34 56	6°43'51	8♎32	1♎ 7	24°38	11°18	9°25	12°13	25°30	26° 4	27° 4	7° 7	7°11	6°37	n.a.	M 7
T 8	22 38 52	7°43'23	21°47	2°16	25°15	11°56	9°35	12°13	25°32	26° 4	27° 3	6°59	7° 8	6°44	n.a.	T 8
W 9	22 42 49	8°42'57	5♏12	3°22	25°55	12°34	9°44	12°12	25°34	26° 5	27° 2	6°54	7° 5	6°51	n.a.	W 9
T 10	22 46 45	9°42'32	18°48	4°27	26°35	13°12	9°54	12°11	25°35	26° 6	27° 1	6°51	7° 1	6°57	n.a.	T 10
F 11	22 50 42	10°42'10	2♐34	5°29	27°16	13°51	10° 4	12°10	25°37	26° 7	26°59	6°50	6°58	7° 4	n.a.	F 11
S 12	22 54 39	11°41'49	16°32	6°29	27°59	14°29	10°14	12° 9	25°38	26° 8	26°58	6°50	6°55	7°11	n.a.	S 12
S 13	22 58 35	12°41'31	0♑41	7°26	28°42	15° 7	10°24	12° 8	25°40	26° 9	26°57	6°50	6°52	7°17	n.a.	S 13
M14	23 2 32	13°41'14	15° 1	8°19	29°27	15°45	10°34	12° 6	25°41	26°10	26°56	6°47	6°49	7°24	n.a.	M14
T 15	23 6 28	14°40'59	29°28	9°10	0♌12	16°23	10°44	12° 5	25°42	26°11	26°55	6°42	6°46	7°31	n.a.	T 15
W16	23 10 25	15°40'45	13♒59	9°56	0°59	17° 2	10°55	12° 3	25°44	26°12	26°54	6°33	6°42	7°37	n.a.	W16
T 17	23 14 21	16°40'34	28°27	10°38	1°46	17°40	11° 5	12° 2	25°45	26°13	26°53	6°23	6°39	7°44	n.a.	T 17
F 18	23 18 18	17°40'25	12♓47	11°16	2°34	18°18	11°16	12° 0	25°46	26°14	26°52	6°11	6°36	7°51	n.a.	F 18
S 19	23 22 14	18°40'17	26°52	11°49	3°24	18°56	11°27	11°58	25°47	26°15	26°50	5°59	6°33	7°57	n.a.	S 19
S 20	23 26 11	19°40'12	10♈36	12°16	4°14	19°34	11°37	11°56	25°48	26°16	26°49	5°49	6°30	8° 4	n.a.	S 20
M21	23 30 8	20°40'09	23°57	12°37	5° 4	20°13	11°48	11°54	25°49	26°17	26°48	5°40	6°26	8°11	n.a.	M21
T 22	23 34 4	21°40'08	6♉55	12°51	5°56	20°51	11°59	11°52	25°50	26°18	26°47	5°34	6°23	8°17	n.a.	T 22
W23	23 38 1	22°40'10	19°30	12°R57	6°48	21°29	12°10	11°50	25°51	26°19	26°46	5°31	6°20	8°24	n.a.	W23
T 24	23 41 57	23°40'13	1♊46	12°56	7°41	22° 7	12°21	11°47	25°52	26°21	26°45	5°D30	6°17	8°31	n.a.	T 24
F 25	23 45 54	24°40'19	13°48	12°47	8°35	22°46	12°33	11°45	25°53	26°22	26°44	5°30	6°14	8°37	n.a.	F 25
S 26	23 49 50	25°40'28	25°40	12°28	9°29	23°24	12°44	11°42	25°53	26°23	26°43	5°R30	6°11	8°44	n.a.	S 26
S 27	23 53 47	26°40'38	7♋29	12° 1	10°24	24° 2	12°55	11°39	25°54	26°25	26°42	5°29	6° 7	8°51	n.a.	S 27
M28	23 57 43	27°40'51	19°19	11°23	11°20	24°40	13° 7	11°37	25°55	26°26	26°41	5°27	6° 4	8°57	n.a.	M28
T 29	0 1 40	28°41'06	1♌16	10°37	12°16	25°19	13°18	11°34	25°55	26°27	26°40	5°22	6° 1	9° 4	n.a.	T 29
W30	0 5 37	29♍41'23	13♌24	9♎41	13♌13	25♌57	13♏30	11♉31	25♊56	26♏29	26♒39	5♐15	5♐58	9♋11	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n21	18n15	3s33	1n 9	1s32	17n 8	4s59	19n50	1n13	13s59	0n35	13n39	2s11	23n58	0n17	18s 9	1n25	28s20	16s52	22s 0	21s52	21n11		n.a.
W 2	10 59	15 8	4 13	0 31	1 39	17 13	4 50	19 41	1 14	14 2	0 35	13 39	2 11	23 58	0 17	18 9	1 25	28 20	16 52	21 59	21 51	21 10		n.a.
T 3	10 38	11 20	4 41	0s 7	1 47	17 17	4 40	19 31	1 14	14 5	0 35	13 39	2 11	23 58	0 17	18 9	1 25	28 21	16 52	21 57	21 51	21 9		n.a.
F 4	10 16	7 1	4 57	0 44	1 54	17 21	4 31	19 20	1 14	14 8	0 34	13 39	2 11	23 59	0 17	18 9	1 25	28 21	16 52	21 54	21 50	21 8		n.a.
S 5	9 54	2 20	4 59	1 20	2 1	17 25	4 22	19 10	1 14	14 12	0 34	13 38	2 12	23 59	0 17	18 10	1 25	28 22	16 52	21 52	21 50	21 7		n.a.
S 6	9 32	2s32	4 45	1 55	2 8	17 28	4 12	19 0	1 14	14 15	0 34	13 38	2 12	23 59	0 17	18 10	1 25	28 22	16 52	21 50	21 49	21 5		n.a.
M 7	9 10	7 21	4 17	2 30	2 15	17 30	4 3	18 49	1 14	14 18	0 34	13 38	2 12	23 59	0 17	18 10	1 25	28 22	16 52	21 48	21 49	21 4		n.a.
T 8	8 47	11 54	3 34	3 4	2 21	17 33	3 54	18 39	1 15	14 21	0 34	13 37	2 12	23 59	0 17	18 10	1 25	28 23	16 52	21 47	21 48	21 3		n.a.
W 9	8 25	15 56	2 39	3 37	2 27	17 35	3 45	18 28	1 15	14 24	0 33	13 37	2 12	23 59	0 17	18 11	1 25	28 23	16 52	21 46	21 48	21 2		n.a.
T 10	8 2	19 9	1 34	4 8	2 33	17 36	3 36	18 17	1 15	14 28	0 33	13 36	2 12	23 59	0 17	18 11	1 24	28 24	16 52	21 45	21 47	21 1		n.a.
F 11	7 39	21 20	0 23	4 38	2 39	17 37	3 27	18 6	1 15	14 31	0 33	13 36	2 13	23 59	0 17	18 11	1 24	28 24	16 52	21 45	21 47	21 0		n.a.
S 12	7 16	22 14	0n51	5 7	2 45	17 37	3 18	17 55	1 15	14 34	0 33	13 36	2 13	23 59	0 17	18 11	1 24	28 24	16 52	21 45	21 46	20 59		n.a.
S 13	6 53	21 44	2 3	5 35	2 50	17 37	3 9	17 43	1 15	14 38	0 33	13 35	2 13	23 59	0 17	18 12	1 24	28 25	16 51	21 45	21 45	20 58		n.a.
M14	6 30	19 49	3 7	6 1	2 54	17 36	3 1	17 32	1 15	14 41	0 32	13 34	2 13	23 59	0 17	18 12	1 24	28 25	16 51	21 45	21 45	20 57		n.a.
T 15	6 7	16 38	4 0	6 24	2 59	17 35	2 52	17 21	1 16	14 45	0 32	13 34	2 13	23 59	0 17	18 12	1 24	28 25	16 51	21 44	21 44	20 55		n.a.
W16	5 43	12 26	4 38	6 46	3 2	17 34	2 43	17 9	1 16	14 48	0 32	13 33	2 13	23 59	0 17	18 12	1 24	28 26	16 51	21 42	21 44	20 54		n.a.
T 17	5 20	7 31	4 58	7 6	3 5	17 32	2 35	16 57	1 16	14 51	0 32	13 33	2 13	24 0	0 17	18 13	1 24	28 26	16 51	21 41	21 43	20 53		n.a.
F 18	4 56	2 15	4 59	7 23	3 8	17 29	2 27	16 45	1 16	14 55	0 32	13 32	2 14	24 0	0 17	18 13	1 24	28 26	16 51	21 38	21 43	20 52		n.a.
S 19	4 33	3n 2	4 41	7 38	3 9	17 26	2 18	16 34	1 16	14 58	0 32	13 31	2 14	24 0	0 17	18 13	1 24	28 26	16 51	21 36	21 42	20 51		n.a.
S 20	4 9	8 3	4 8	7 49	3 10	17 22	2 10	16 21	1 16	15 2	0 31	13 30	2 14	24 0	0 17	18 14	1 24	28 27	16 51	21 34	21 42	20 50		n.a.
M21	3 45	12 32	3 21	7 57	3 10	17 17	2 2	16 9	1 16	15 6	0 31	13 30	2 14	24 0	0 17	18 14	1 24	28 27	16 50	21 33	21 41	20 49		n.a.
T 22	3 21	16 18	2 26	8 2	3 9	17 12	1 54	15 57	1 17	15 9	0 31	13 29	2 14	24 0	0 17	18 14	1 24	28 27	16 50	21 32	21 41	20 47		n.a.
W23	2 57	19 12	1 24	8 2	3 6	17 7	1 46	15 45	1 17	15 13	0 31	13 28	2 14	24 0	0 17	18 15	1 24	28 27	16 50	21 31	21 40	20 46		n.a.
T 24	2 33	21 8	0 20	7 58	3 2	17 1	1 39	15 32	1 17	15 16	0 31	13 27	2 14	24 0	0 18	18 15	1 24	28 28	16 50	21 31	21 39	20 45		n.a.
F 25	2 9	22 3	0s44	7 50	2 57	16 54	1 31	15 20	1 17	15 20	0 31	13 26	2 15	24 0	0 18	18 15	1 24	28 28	16 50	21 31	21 39	20 44		n.a.
S 26	1 45	21 57	1 45	7 36	2 50	16 47	1 24	15 7	1 17	15 24	0 30	13 25	2 15	24 0	0 18	18 16	1 24	28 28	16 50	21 31	21 38	20 43		n.a.
S 27	1 20	20 52	2 42	7 17	2 42	16 39	1 16	14 54	1 17	15 27	0 30	13 24	2 15	24 0	0 18	18 16	1 24	28 28	16 50	21 31	21 38	20 42		n.a.
M28	0 56	18 53	3 31	6 53	2 32	16 31	1 9	14 41	1 17	15 31	0 30	13 23	2 15	24 0	0 18	18 16	1 24	28 29	16 49	21 31	21 37	20 40		n.a.
T 29	0 32	16 4	4 12	6 24	2 20	16 22	1 2	14 28	1 17	15 35	0 30	13 22	2 15	24 0	0 18	18 17	1 23	28 29	16 49	21 30	21 37	20 39		n.a.
W30	0n 8	12n32	4s42	5s49	2s 6	16n13	0s55	14n15	1n17	15s38	0n30	13n21	2s15	24n 0	0n18	18s17	1n23	28s29	16s49	21s28	21s36	20n38		n.a.

Julian Day Number = 1483888.5, Delta T = 05h20m24s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'19, Lahiri = -12°56'18 Julian Calendar 1 Sept. 651 BCE == Greg. Calendar 25 Aug. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

OCTOBER 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 9 33	0♎41'42	25♌46	8°R38	14♌10	26♌35	13♏42	11°R28	25♊56	26♏30	26°R38	5°R 5	5♐55	9♋17	n.a.	T 1
F 2	0 13 30	1°42'03	8♍25	7♎27	15° 8	27°13	13°54	11♉25	25°57	26°32	26♒37	4♐54	5°52	9°24	n.a.	F 2
S 3	0 17 26	2°42'26	21°21	6°12	16° 6	27°52	14° 5	11°21	25°57	26°33	26°36	4°42	5°48	9°31	n.a.	S 3
S 4	0 21 23	3°42'50	4♎33	4°53	17° 5	28°30	14°17	11°18	25°57	26°35	26°35	4°31	5°45	9°37	n.a.	S 4
M 5	0 25 19	4°43'17	18° 1	3°34	18° 5	29° 8	14°29	11°14	25°58	26°36	26°34	4°22	5°42	9°44	n.a.	M 5
T 6	0 29 16	5°43'46	1♏40	2°17	19° 5	29°46	14°42	11°11	25°58	26°38	26°33	4°15	5°39	9°51	n.a.	T 6
W 7	0 33 12	6°44'16	15°29	1° 4	20° 5	0♍25	14°54	11° 7	25°58	26°39	26°33	4°11	5°36	9°57	n.a.	W 7
T 8	0 37 9	7°44'47	29°24	29♍58	21° 6	1° 3	15° 6	11° 4	25°58	26°41	26°32	4°D10	5°32	10° 4	n.a.	T 8
F 9	0 41 5	8°45'21	13♐25	29° 1	22° 7	1°41	15°18	11° 0	25°R58	26°43	26°31	4°10	5°29	10°11	n.a.	F 9
S 10	0 45 2	9°45'55	27°29	28°13	23° 8	2°20	15°31	10°56	25°58	26°44	26°30	4°11	5°26	10°18	n.a.	S 10
S 11	0 48 59	10°46'31	11♑35	27°37	24°10	2°58	15°43	10°52	25°58	26°46	26°29	4°R11	5°23	10°24	n.a.	S 11
M12	0 52 55	11°47'09	25°43	27°13	25°13	3°36	15°56	10°48	25°58	26°48	26°28	4°10	5°20	10°31	n.a.	M12
T 13	0 56 52	12°47'47	9♒51	27° 0	26°15	4°14	16° 8	10°44	25°58	26°50	26°28	4° 7	5°17	10°38	n.a.	T 13
W14	1 0 48	13°48'27	23°57	26°D59	27°19	4°53	16°21	10°40	25°57	26°51	26°27	4° 2	5°13	10°44	n.a.	W14
T 15	1 4 45	14°49'08	7♓57	27° 8	28°22	5°31	16°34	10°36	25°57	26°53	26°26	3°55	5°10	10°51	n.a.	T 15
F 16	1 8 41	15°49'51	21°49	27°28	29°26	6° 9	16°46	10°32	25°57	26°55	26°25	3°47	5° 7	10°58	n.a.	F 16
S 17	1 12 38	16°50'35	5♈28	27°57	0♍30	6°47	16°59	10°27	25°56	26°57	26°25	3°38	5° 4	11° 4	n.a.	S 17
S 18	1 16 34	17°51'20	18°52	28°34	1°34	7°26	17°12	10°23	25°56	26°59	26°24	3°31	5° 1	11°11	n.a.	S 18
M19	1 20 31	18°52'07	1♉59	29°19	2°39	8° 4	17°25	10°18	25°55	27° 0	26°23	3°25	4°57	11°18	n.a.	M19
T 20	1 24 28	19°52'55	14°47	0♎11	3°44	8°42	17°38	10°14	25°55	27° 2	26°23	3°21	4°54	11°24	n.a.	T 20
W21	1 28 24	20°53'45	27°17	1° 8	4°50	9°21	17°51	10° 9	25°54	27° 4	26°22	3°19	4°51	11°31	n.a.	W21
T 22	1 32 21	21°54'37	9♊32	2°11	5°55	9°59	18° 4	10° 5	25°53	27° 6	26°22	3°D19	4°48	11°38	n.a.	T 22
F 23	1 36 17	22°55'29	21°33	3°18	7° 1	10°37	18°17	10° 0	25°53	27° 8	26°21	3°20	4°45	11°44	n.a.	F 23
S 24	1 40 14	23°56'24	3♋26	4°29	8° 8	11°15	18°30	9°56	25°52	27°10	26°20	3°22	4°42	11°51	n.a.	S 24
S 25	1 44 10	24°57'20	15°16	5°43	9°14	11°54	18°43	9°51	25°51	27°12	26°20	3°23	4°38	11°58	n.a.	S 25
M26	1 48 7	25°58'17	27° 6	7° 0	10°21	12°32	18°56	9°46	25°50	27°14	26°19	3°R24	4°35	12° 4	n.a.	M26
T 27	1 52 3	26°59'16	9♌ 3	8°19	11°28	13°10	19°10	9°41	25°49	27°16	26°19	3°23	4°32	12°11	n.a.	T 27
W28	1 56 0	28° 0'17	21°12	9°40	12°35	13°49	19°23	9°36	25°48	27°18	26°18	3°20	4°29	12°18	n.a.	W28
T 29	1 59 57	29° 1'18	3♍36	11° 3	13°42	14°27	19°36	9°32	25°47	27°20	26°18	3°16	4°26	12°24	n.a.	T 29
F 30	2 3 53	0♏ 2'21	16°20	12°28	14°50	15° 5	19°50	9°27	25°46	27°22	26°17	3°11	4°23	12°31	n.a.	F 30
S 31	2 7 50	1♏ 3'26	29♍25	13♎53	15♍58	15♍44	20♏ 3	9♉22	25♊45	27♏24	26♒17	3♐ 6	4♐19	12♋38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s17	8n25	4s59	5s 9	1s50	16n 2	0s48	14n 2	1n17	15s42	0n30	13n20	2s15	24n 0	0n18	18s18	1n23	28s29	16s49	21s27	21s36	20n37			n.a.
F 2	0 41	3 51	5 3	4 25	1 32	15 52	0 41	13 49	1 18	15 46	0 29	13 19	2 15	24 0	0 18	18 18	1 23	28 29	16 49	21 25	21 35	20 36			n.a.
S 3	1 5	0s58	4 51	3 37	1 14	15 41	0 35	13 36	1 18	15 49	0 29	13 18	2 16	24 0	0 18	18 18	1 23	28 29	16 48	21 22	21 34	20 34			n.a.
S 4	1 30	5 51	4 23	2 47	0 54	15 29	0 28	13 22	1 18	15 53	0 29	13 17	2 16	24 0	0 18	18 19	1 23	28 30	16 48	21 20	21 34	20 33			n.a.
M 5	1 54	10 33	3 41	1 57	0 33	15 17	0 22	13 9	1 18	15 57	0 29	13 16	2 16	24 0	0 18	18 19	1 23	28 30	16 48	21 19	21 33	20 32			n.a.
T 6	2 18	14 47	2 45	1 7	0 13	15 4	0 15	12 55	1 18	16 1	0 29	13 15	2 16	24 0	0 18	18 20	1 23	28 30	16 48	21 17	21 33	20 31			n.a.
W 7	2 43	18 16	1 38	0 19	0n 8	14 51	0 9	12 42	1 18	16 4	0 29	13 13	2 16	24 0	0 18	18 20	1 23	28 30	16 47	21 17	21 32	20 29			n.a.
T 8	3 7	20 43	0 25	0n26	0 28	14 37	0 3	12 28	1 18	16 8	0 29	13 12	2 16	24 0	0 18	18 20	1 23	28 30	16 47	21 16	21 32	20 28			n.a.
F 9	3 31	21 54	0n50	1 6	0 46	14 23	0n 3	12 14	1 18	16 12	0 28	13 11	2 16	24 1	0 18	18 21	1 23	28 30	16 47	21 16	21 31	20 27			n.a.
S 10	3 55	21 43	2 2	1 41	1 4	14 8	0 8	12 0	1 18	16 16	0 28	13 10	2 16	24 1	0 18	18 21	1 23	28 30	16 47	21 17	21 30	20 26			n.a.
S 11	4 19	20 9	3 7	2 10	1 19	13 52	0 14	11 46	1 18	16 20	0 28	13 8	2 16	24 1	0 18	18 22	1 23	28 30	16 46	21 17	21 30	20 25			n.a.
M12	4 43	17 21	4 1	2 32	1 33	13 36	0 20	11 32	1 18	16 23	0 28	13 7	2 16	24 1	0 18	18 22	1 23	28 30	16 46	21 16	21 29	20 23			n.a.
T 13	5 7	13 32	4 40	2 49	1 45	13 20	0 25	11 18	1 18	16 27	0 28	13 6	2 16	24 1	0 18	18 23	1 23	28 30	16 46	21 16	21 29	20 22			n.a.
W14	5 31	8 58	5 2	2 58	1 55	13 3	0 30	11 4	1 18	16 31	0 28	13 4	2 16	24 1	0 18	18 23	1 23	28 30	16 46	21 15	21 28	20 21			n.a.
T 15	5 55	3 58	5 6	3 2	2 4	12 46	0 35	10 50	1 19	16 35	0 28	13 3	2 16	24 1	0 18	18 23	1 23	28 30	16 45	21 14	21 28	20 20			n.a.
F 16	6 19	1n11	4 52	3 0	2 10	12 28	0 40	10 36	1 19	16 39	0 27	13 2	2 17	24 1	0 18	18 24	1 23	28 30	16 45	21 12	21 27	20 18			n.a.
S 17	6 42	6 12	4 22	2 53	2 15	12 9	0 45	10 21	1 19	16 42	0 27	13 0	2 17	24 1	0 18	18 24	1 23	28 30	16 45	21 10	21 26	20 17			n.a.
S 18	7 6	10 50	3 37	2 42	2 19	11 50	0 50	10 7	1 19	16 46	0 27	12 59	2 17	24 1	0 18	18 25	1 23	28 30	16 45	21 9	21 26	20 16			n.a.
M19	7 29	14 51	2 41	2 26	2 21	11 31	0 55	9 52	1 19	16 50	0 27	12 57	2 17	24 1	0 18	18 25	1 23	28 30	16 44	21 8	21 25	20 15			n.a.
T 20	7 53	18 4	1 39	2 6	2 22	11 12	0 59	9 38	1 19	16 54	0 27	12 56	2 17	24 1	0 18	18 26	1 23	28 30	16 44	21 7	21 25	20 13			n.a.
W21	8 16	20 21	0 33	1 43	2 22	10 51	1 4	9 23	1 19	16 58	0 27	12 54	2 17	24 1	0 18	18 26	1 23	28 30	16 44	21 7	21 24	20 12			n.a.
T 22	8 39	21 38	0s34	1 17	2 22	10 31	1 8	9 9	1 19	17 1	0 27	12 53	2 17	24 1	0 18	18 27	1 23	28 30	16 43	21 7	21 23	20 11			n.a.
F 23	9 2	21 53	1 38	0 48	2 20	10 10	1 12	8 54	1 19	17 5	0 27	12 51	2 17	24 1	0 18	18 27	1 22	28 30	16 43	21 7	21 23	20 9			n.a.
S 24	9 25	21 7	2 37	0 18	2 17	9 48	1 16	8 39	1 19	17 9	0 26	12 50	2 17	24 1	0 18	18 28	1 22	28 30	16 43	21 7	21 22	20 8			n.a.
S 25	9 48	19 26	3 29	0s15	2 14	9 27	1 20	8 25	1 19	17 13	0 26	12 49	2 17	24 1	0 18	18 28	1 22	28 30	16 42	21 8	21 22	20 7			n.a.
M26	10 10	16 55	4 12	0 49	2 10	9 4	1 23	8 10	1 19	17 17	0 26	12 47	2 17	24 1	0 18	18 29	1 22	28 30	16 42	21 8	21 21	20 6			n.a.
T 27	10 32	13 40	4 45	1 25	2 6	8 42	1 27	7 55	1 19	17 20	0 26	12 45	2 17	24 1	0 18	18 29	1 22	28 30	16 42	21 7	21 21	20 4			n.a.
W28	10 55	9 49	5 5	2 1	2 1	8 19	1 30	7 40	1 19	17 24	0 26	12 44	2 17	24 1	0 18	18 30	1 22	28 30	16 42	21 7	21 20	20 3			n.a.
T 29	11 17	5 29	5 12	2 39	1 56	7 56	1 34	7 25	1 19	17 28	0 26	12 42	2 17	24 1	0 18	18 30	1 22	28 30	16 41	21 6	21 19	20 2			n.a.
F 30	11 39	0 48	5 4	3 17	1 51	7 32	1 37	7 10	1 19	17 32	0 26	12 41	2 17	24 1	0 18	18 31	1 22	28 29	16 41	21 5	21 19	20 0			n.a.
S 31	12s 0	4s 2	4s40	3s56	1n45	7n 8	1n40	6n55	1n19	17s36	0n26	12n39	2s17	24n 1	0n18	18s31	1n22	28s29	16s41	21s 4	21s18	19n59			n.a.

Julian Day Number = 1483918.5, Delta T = 05h20m22s
Ecliptic obliquity = 23°46'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'15, Lahiri = -12°56'14 Julian Calendar 1 Oct. 651 BCE == Greg. Calendar 24 Sept. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

NOVEMBER 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 11 46	2♏ 4'31	12♎51	15♎20	17♍ 6	16♍22	20♏17	9°R17	25°R44	27♏26	26°R17	3°R 0	4♐16	12♋44	n.a.	S 1
M 2	2 15 43	3° 5'37	26°37	16°48	18°15	17° 0	20°30	9♉12	25♊43	27°28	26♒16	2♐56	4°13	12°51	n.a.	M 2
T 3	2 19 39	4° 6'45	10♏41	18°17	19°23	17°39	20°44	9° 7	25°41	27°31	26°16	2°53	4°10	12°58	n.a.	T 3
W 4	2 23 36	5° 7'53	24°58	19°46	20°32	18°17	20°57	9° 2	25°40	27°33	26°16	2°51	4° 7	13° 4	n.a.	W 4
T 5	2 27 32	6° 9'03	9♐22	21°15	21°41	18°55	21°11	8°57	25°38	27°35	26°15	2°D51	4° 3	13°11	n.a.	T 5
F 6	2 31 29	7°10'13	23°48	22°46	22°50	19°33	21°24	8°52	25°37	27°37	26°15	2°52	4° 0	13°18	n.a.	F 6
S 7	2 35 26	8°11'23	8♑13	24°16	23°59	20°12	21°38	8°47	25°36	27°39	26°15	2°53	3°57	13°24	n.a.	S 7
S 8	2 39 22	9°12'34	22°32	25°47	25° 8	20°50	21°52	8°42	25°34	27°41	26°15	2°55	3°54	13°31	n.a.	S 8
M 9	2 43 19	10°13'46	6♒42	27°18	26°18	21°28	22° 5	8°37	25°32	27°43	26°14	2°R56	3°51	13°38	n.a.	M 9
T 10	2 47 15	11°14'57	20°43	28°50	27°28	22° 7	22°19	8°32	25°31	27°46	26°14	2°55	3°48	13°44	n.a.	T 10
W11	2 51 12	12°16'09	4♓32	0♏22	28°37	22°45	22°33	8°27	25°29	27°48	26°14	2°54	3°44	13°51	n.a.	W11
T 12	2 55 8	13°17'22	18°10	1°53	29°47	23°23	22°47	8°22	25°27	27°50	26°14	2°52	3°41	13°58	n.a.	T 12
F 13	2 59 5	14°18'34	1♈35	3°26	0♎58	24° 1	23° 0	8°17	25°26	27°52	26°14	2°49	3°38	14° 4	n.a.	F 13
S 14	3 3 1	15°19'47	14°48	4°58	2° 8	24°40	23°14	8°12	25°24	27°55	26°14	2°46	3°35	14°11	n.a.	S 14
S 15	3 6 58	16°21'01	27°47	6°30	3°18	25°18	23°28	8° 7	25°22	27°57	26°14	2°44	3°32	14°18	n.a.	S 15
M16	3 10 55	17°22'14	10♉32	8° 3	4°29	25°56	23°42	8° 2	25°20	27°59	26°13	2°42	3°28	14°24	n.a.	M16
T 17	3 14 51	18°23'29	23° 4	9°36	5°40	26°34	23°56	7°57	25°18	28° 1	26°D13	2°41	3°25	14°31	n.a.	T 17
W18	3 18 48	19°24'43	5♊23	11° 9	6°50	27°13	24° 9	7°52	25°16	28° 3	26°13	2°D41	3°22	14°38	n.a.	W18
T 19	3 22 44	20°25'58	17°31	12°42	8° 1	27°51	24°23	7°48	25°14	28° 6	26°14	2°41	3°19	14°45	n.a.	T 19
F 20	3 26 41	21°27'14	29°30	14°16	9°12	28°29	24°37	7°43	25°12	28° 8	26°14	2°42	3°16	14°51	n.a.	F 20
S 21	3 30 37	22°28'29	11♋23	15°49	10°24	29° 7	24°51	7°38	25°10	28°10	26°14	2°43	3°13	14°58	n.a.	S 21
S 22	3 34 34	23°29'46	23°12	17°23	11°35	29°46	25° 5	7°33	25° 8	28°13	26°14	2°44	3° 9	15° 5	n.a.	S 22
M23	3 38 31	24°31'02	5♌ 2	18°57	12°46	0♎24	25°19	7°29	25° 6	28°15	26°14	2°45	3° 6	15°11	n.a.	M23
T 24	3 42 27	25°32'19	16°58	20°32	13°58	1° 2	25°33	7°24	25° 4	28°17	26°14	2°46	3° 3	15°18	n.a.	T 24
W25	3 46 24	26°33'36	29° 4	22° 6	15° 9	1°40	25°46	7°19	25° 2	28°19	26°14	2°R46	3° 0	15°25	n.a.	W25
T 26	3 50 20	27°34'54	11♍25	23°41	16°21	2°18	26° 0	7°15	25° 0	28°22	26°14	2°46	2°57	15°31	n.a.	T 26
F 27	3 54 17	28°36'12	24° 6	25°16	17°33	2°57	26°14	7°10	24°57	28°24	26°15	2°45	2°54	15°38	n.a.	F 27
S 28	3 58 13	29°37'30	7♎ 9	26°52	18°45	3°35	26°28	7° 6	24°55	28°26	26°15	2°45	2°50	15°45	n.a.	S 28
S 29	4 2 10	0♐38'48	20°37	28°28	19°57	4°13	26°42	7° 2	24°53	28°28	26°15	2°45	2°47	15°51	n.a.	S 29
M30	4 6 6	1♐40'06	4♏30	0♐ 4	21♎ 9	4♎51	26♏56	6♉57	24♊51	28♏31	26♒15	2♐44	2♐44	15♋58	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s22	8s49	4s 0	4s36	1n39	6n44	1n43	6n40	1n19	17s39	0n25	12n38	2s17	24n 1	0n18	18s32	1n22	28s29	16s40	21s 3	21s18	19n58		n.a.
M 2	12 43	13 17	3 6	5 16	1 33	6 20	1 46	6 25	1 19	17 43	0 25	12 36	2 17	24 1	0 19	18 32	1 22	28 29	16 40	21 2	21 17	19 56		n.a.
T 3	13 4	17 7	1 59	5 56	1 27	5 55	1 48	6 9	1 19	17 47	0 25	12 35	2 17	24 1	0 19	18 33	1 22	28 29	16 40	21 2	21 16	19 55		n.a.
W 4	13 25	19 58	0 43	6 36	1 20	5 30	1 51	5 54	1 19	17 51	0 25	12 33	2 16	24 1	0 19	18 33	1 22	28 29	16 39	21 1	21 16	19 54		n.a.
T 5	13 45	21 34	0n36	7 16	1 14	5 4	1 53	5 39	1 19	17 54	0 25	12 32	2 16	24 1	0 19	18 34	1 22	28 28	16 39	21 1	21 15	19 52		n.a.
F 6	14 6	21 45	1 53	7 56	1 7	4 39	1 55	5 24	1 19	17 58	0 25	12 30	2 16	24 1	0 19	18 34	1 22	28 28	16 39	21 1	21 15	19 51		n.a.
S 7	14 26	20 29	3 3	8 36	1 0	4 13	1 58	5 9	1 19	18 2	0 25	12 29	2 16	24 0	0 19	18 35	1 22	28 28	16 38	21 2	21 14	19 50		n.a.
S 8	14 46	17 55	4 0	9 16	0 53	3 47	2 0	4 53	1 19	18 5	0 25	12 27	2 16	24 0	0 19	18 35	1 22	28 28	16 38	21 2	21 13	19 48		n.a.
M 9	15 5	14 17	4 43	9 56	0 46	3 21	2 2	4 38	1 19	18 9	0 24	12 25	2 16	24 0	0 19	18 36	1 22	28 27	16 37	21 2	21 13	19 47		n.a.
T 10	15 25	9 55	5 8	10 36	0 39	2 54	2 3	4 23	1 19	18 13	0 24	12 24	2 16	24 0	0 19	18 36	1 22	28 27	16 37	21 2	21 12	19 46		n.a.
W11	15 44	5 6	5 15	11 15	0 32	2 28	2 5	4 7	1 19	18 16	0 24	12 22	2 16	24 0	0 19	18 37	1 22	28 27	16 37	21 2	21 12	19 44		n.a.
T 12	16 3	0 5	5 4	11 54	0 25	2 1	2 7	3 52	1 19	18 20	0 24	12 21	2 16	24 0	0 19	18 37	1 22	28 27	16 36	21 1	21 11	19 43		n.a.
F 13	16 21	4n52	4 37	12 32	0 19	1 34	2 8	3 36	1 19	18 24	0 24	12 19	2 16	24 0	0 19	18 38	1 22	28 26	16 36	21 1	21 10	19 42		n.a.
S 14	16 40	9 30	3 55	13 10	0 12	1 7	2 9	3 21	1 19	18 27	0 24	12 18	2 16	24 0	0 19	18 38	1 22	28 26	16 36	21 0	21 10	19 40		n.a.
S 15	16 57	13 38	3 1	13 48	0 5	0 39	2 10	3 6	1 19	18 31	0 24	12 16	2 16	24 0	0 19	18 39	1 22	28 26	16 35	21 0	21 9	19 39		n.a.
M16	17 15	17 5	2 0	14 25	0s 2	0 12	2 11	2 50	1 18	18 35	0 24	12 15	2 15	24 0	0 19	18 39	1 22	28 25	16 35	20 59	21 8	19 37		n.a.
T 17	17 32	19 39	0 53	15 2	0 9	0s15	2 12	2 35	1 18	18 38	0 24	12 13	2 15	24 0	0 19	18 40	1 22	28 25	16 35	20 59	21 8	19 36		n.a.
W18	17 50	21 15	0s15	15 37	0 15	0 43	2 13	2 19	1 18	18 42	0 23	12 12	2 15	24 0	0 19	18 40	1 22	28 25	16 34	20 59	21 7	19 35		n.a.
T 19	18 6	21 50	1 21	16 13	0 22	1 11	2 14	2 4	1 18	18 45	0 23	12 10	2 15	24 0	0 19	18 41	1 22	28 24	16 34	20 59	21 7	19 33		n.a.
F 20	18 23	21 23	2 23	16 47	0 28	1 38	2 15	1 48	1 18	18 49	0 23	12 9	2 15	24 0	0 19	18 41	1 22	28 24	16 34	20 59	21 6	19 32		n.a.
S 21	18 39	19 59	3 19	17 21	0 35	2 6	2 15	1 33	1 18	18 52	0 23	12 8	2 15	24 0	0 19	18 42	1 22	28 24	16 33	21 0	21 5	19 31		n.a.
S 22	18 54	17 43	4 5	17 55	0 41	2 34	2 15	1 17	1 18	18 56	0 23	12 6	2 15	24 0	0 19	18 43	1 22	28 23	16 33	21 0	21 5	19 29		n.a.
M23	19 10	14 43	4 41	18 27	0 47	3 2	2 16	1 2	1 18	18 59	0 23	12 5	2 14	24 0	0 19	18 43	1 22	28 23	16 33	21 0	21 4	19 28		n.a.
T 24	19 25	11 7	5 6	18 59	0 53	3 30	2 16	0 46	1 18	19 3	0 23	12 3	2 14	24 0	0 19	18 44	1 22	28 23	16 32	21 0	21 4	19 26		n.a.
W25	19 39	7 1	5 17	19 29	0 59	3 58	2 16	0 31	1 18	19 6	0 23	12 2	2 14	24 0	0 19	18 44	1 22	28 22	16 32	21 0	21 3	19 25		n.a.
T 26	19 54	2 33	5 14	19 59	1 4	4 26	2 16	0 15	1 18	19 9	0 23	12 1	2 14	24 0	0 19	18 45	1 22	28 22	16 31	21 0	21 2	19 24		n.a.
F 27	20 8	2s 9	4 56	20 28	1 10	4 54	2 16	0s 0	1 17	19 13	0 23	11 59	2 14	24 0	0 19	18 45	1 22	28 21	16 31	21 0	21 2	19 22		n.a.
S 28	20 21	6 53	4 22	20 57	1 15	5 22	2 15	0 16	1 17	19 16	0 22	11 58	2 14	23 59	0 19	18 46	1 22	28 21	16 31	21 0	21 1	19 21		n.a.
S 29	20 34	11 27	3 33	21 24	1 20	5 49	2 15	0 31	1 17	19 20	0 22	11 57	2 13	23 59	0 19	18 46	1 22	28 20	16 30	21 0	21 0	19 19		n.a.
M30	20s47	15s33	2s31	21s50	1s25	6s17	2n15	0s47	1n17	19s23	0n22	11n56	2s13	23n59	0n19	18s47	1n22	28s20	16s30	21s 0	21s 0	19n18		n.a.

Julian Day Number = 1483949.5, Delta T = 05h20m21s
Ecliptic obliquity = 23°46'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'10, Lahiri = -12°56'10 Julian Calendar 1 Nov. 651 BCE == Greg. Calendar 25 Oct. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 651 BCE
geocentric

DECEMBER 651 BCE (-650) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 10 3	2♐41'25	18♏47	1♐41	22♎21	5♎29	27♏10	6°R53	24°R48	28♏33	26♒16	2°D44	2♐41	16♋ 5	n.a.	T 1
W 2	4 14 0	3°42'43	3♐24	3°17	23°33	6° 8	27°24	6♑49	24♊46	28°35	26°16	2°R44	2°38	16°11	n.a.	W 2
T 3	4 17 56	4°44'01	18°13	4°55	24°45	6°46	27°37	6°45	24°43	28°37	26°16	2♐44	2°34	16°18	n.a.	T 3
F 4	4 21 53	5°45'19	3♑ 8	6°32	25°58	7°24	27°51	6°41	24°41	28°40	26°17	2°44	2°31	16°25	n.a.	F 4
S 5	4 25 49	6°46'36	18° 1	8°10	27°10	8° 2	28° 5	6°37	24°39	28°42	26°17	2°44	2°28	16°31	n.a.	S 5
S 6	4 29 46	7°47'53	2♒43	9°49	28°22	8°40	28°19	6°33	24°36	28°44	26°18	2°43	2°25	16°38	n.a.	S 6
M 7	4 33 42	8°49'09	17°10	11°28	29°35	9°18	28°33	6°29	24°34	28°47	26°18	2°43	2°22	16°45	n.a.	M 7
T 8	4 37 39	9°50'24	1♓18	13° 7	0♏47	9°56	28°46	6°25	24°31	28°49	26°19	2°42	2°19	16°51	n.a.	T 8
W 9	4 41 35	10°51'38	15° 6	14°47	2° 0	10°35	29° 0	6°22	24°29	28°51	26°19	2°D42	2°15	16°58	n.a.	W 9
T 10	4 45 32	11°52'52	28°34	16°27	3°13	11°13	29°14	6°18	24°26	28°53	26°20	2°43	2°12	17° 5	n.a.	T 10
F 11	4 49 29	12°54'05	11♈42	18° 8	4°25	11°51	29°28	6°14	24°24	28°55	26°20	2°43	2° 9	17°12	n.a.	F 11
S 12	4 53 25	13°55'16	24°35	19°48	5°38	12°29	29°41	6°11	24°21	28°58	26°21	2°44	2° 6	17°18	n.a.	S 12
S 13	4 57 22	14°56'27	7♉12	21°30	6°51	13° 7	29°55	6° 8	24°18	29° 0	26°21	2°46	2° 3	17°25	n.a.	S 13
M14	5 1 18	15°57'38	19°37	23°11	8° 4	13°45	0♐ 9	6° 4	24°16	29° 2	26°22	2°46	2° 0	17°32	n.a.	M14
T 15	5 5 15	16°58'47	1♊52	24°53	9°17	14°23	0°22	6° 1	24°13	29° 4	26°23	2°R47	1°56	17°38	n.a.	T 15
W16	5 9 11	17°59'55	13°59	26°36	10°30	15° 1	0°36	5°58	24°11	29° 6	26°23	2°47	1°53	17°45	n.a.	W16
T 17	5 13 8	19° 1'03	25°58	28°18	11°43	15°39	0°49	5°55	24° 8	29° 9	26°24	2°45	1°50	17°52	n.a.	T 17
F 18	5 17 5	20° 2'10	7♋52	0♑ 1	12°56	16°17	1° 3	5°52	24° 6	29°11	26°25	2°43	1°47	17°58	n.a.	F 18
S 19	5 21 1	21° 3'16	19°43	1°43	14° 9	16°55	1°16	5°50	24° 3	29°13	26°25	2°40	1°44	18° 5	n.a.	S 19
S 20	5 24 58	22° 4'22	1♌33	3°25	15°22	17°33	1°30	5°47	24° 0	29°15	26°26	2°37	1°40	18°12	n.a.	S 20
M21	5 28 54	23° 5'26	13°25	5° 8	16°35	18°11	1°43	5°44	23°58	29°17	26°27	2°34	1°37	18°18	n.a.	M21
T 22	5 32 51	24° 6'30	25°21	6°49	17°49	18°49	1°57	5°42	23°55	29°19	26°28	2°31	1°34	18°25	n.a.	T 22
W23	5 36 47	25° 7'33	7♍26	8°30	19° 2	19°27	2°10	5°40	23°52	29°21	26°28	2°28	1°31	18°32	n.a.	W23
T 24	5 40 44	26° 8'35	19°44	10°10	20°15	20° 4	2°23	5°37	23°50	29°23	26°29	2°27	1°28	18°38	n.a.	T 24
F 25	5 44 40	27° 9'36	2♎18	11°49	21°28	20°42	2°37	5°35	23°47	29°26	26°30	2°D27	1°25	18°45	n.a.	F 25
S 26	5 48 37	28°10'37	15°13	13°27	22°42	21°20	2°50	5°33	23°45	29°28	26°31	2°28	1°21	18°52	n.a.	S 26
S 27	5 52 34	29°11'37	28°33	15° 2	23°55	21°58	3° 3	5°31	23°42	29°30	26°32	2°30	1°18	18°59	n.a.	S 27
M28	5 56 30	0♑12'35	12♏20	16°36	25° 8	22°36	3°16	5°29	23°39	29°32	26°33	2°31	1°15	19° 5	n.a.	M28
T 29	6 0 27	1°13'33	26°35	18° 6	26°22	23°14	3°29	5°28	23°37	29°34	26°34	2°R32	1°12	19°12	n.a.	T 29
W30	6 4 23	2°14'30	11♐14	19°33	27°35	23°52	3°42	5°26	23°34	29°36	26°35	2°32	1° 9	19°19	n.a.	W30
T 31	6 8 20	3♑15'26	26♐15	20♑56	28♏49	24♎29	3♐55	5♑24	23♊32	29♏38	26♒36	2♐30	1♐ 6	19♋25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	20s59	18s53	1s17	22s15	1s30	6s45	2n14	1s 2	1n17	19s26	0n22	11n54	2s13	23n59	0n19	18s47	1n22	28s20	16s30	21s 0	20s59	19n16		n.a.	
W 2	21 11	21 4	0n 4	22 38	1 34	7 12	2 13	1 18	1 17	19 30	0 22	11 53	2 13	23 59	0 19	18 48	1 22	28 19	16 29	21 0	20 59	19 15		n.a.	
T 3	21 23	21 50	1 25	23 1	1 38	7 40	2 13	1 33	1 17	19 33	0 22	11 52	2 13	23 59	0 19	18 48	1 22	28 19	16 29	21 0	20 58	19 14		n.a.	
F 4	21 34	21 3	2 41	23 23	1 42	8 7	2 12	1 48	1 17	19 36	0 22	11 51	2 12	23 59	0 19	18 49	1 22	28 18	16 29	21 0	20 57	19 12		n.a.	
S 5	21 45	18 48	3 46	23 43	1 46	8 34	2 11	2 4	1 16	19 39	0 22	11 50	2 12	23 59	0 19	18 49	1 22	28 18	16 28	21 0	20 57	19 11		n.a.	
S 6	21 55	15 22	4 35	24 2	1 49	9 2	2 10	2 19	1 16	19 43	0 22	11 49	2 12	23 59	0 19	18 50	1 22	28 17	16 28	21 0	20 56	19 9		n.a.	
M 7	22 5	11 3	5 6	24 19	1 52	9 28	2 9	2 35	1 16	19 46	0 22	11 48	2 12	23 59	0 19	18 50	1 22	28 17	16 28	21 0	20 55	19 8		n.a.	
T 8	22 14	6 13	5 17	24 35	1 55	9 55	2 7	2 50	1 16	19 49	0 22	11 47	2 12	23 59	0 19	18 51	1 22	28 16	16 27	20 59	20 55	19 6		n.a.	
W 9	22 23	1 11	5 10	24 50	1 57	10 22	2 6	3 5	1 16	19 52	0 21	11 46	2 11	23 59	0 19	18 51	1 22	28 16	16 27	20 59	20 54	19 5		n.a.	
T 10	22 32	3n47	4 46	25 3	1 59	10 48	2 5	3 20	1 15	19 55	0 21	11 45	2 11	23 58	0 19	18 52	1 22	28 15	16 27	21 0	20 53	19 3		n.a.	
F 11	22 40	8 28	4 7	25 14	2 1	11 14	2 3	3 36	1 15	19 58	0 21	11 44	2 11	23 58	0 19	18 52	1 22	28 15	16 26	21 0	20 53	19 2		n.a.	
S 12	22 47	12 41	3 16	25 24	2 2	11 40	2 2	3 51	1 15	20 1	0 21	11 43	2 11	23 58	0 19	18 53	1 22	28 14	16 26	21 0	20 52	19 1		n.a.	
S 13	22 54	16 16	2 17	25 33	2 3	12 6	2 0	4 6	1 15	20 4	0 21	11 42	2 10	23 58	0 19	18 53	1 22	28 14	16 26	21 0	20 52	18 59		n.a.	
M14	23 1	19 3	1 12	25 39	2 4	12 31	1 59	4 21	1 15	20 7	0 21	11 41	2 10	23 58	0 19	18 54	1 22	28 13	16 25	21 0	20 51	18 58		n.a.	
T 15	23 7	20 54	0 5	25 44	2 3	12 57	1 57	4 36	1 14	20 10	0 21	11 40	2 10	23 58	0 19	18 54	1 22	28 13	16 25	21 0	20 50	18 56		n.a.	
W16	23 13	21 47	1s 2	25 47	2 3	13 21	1 55	4 51	1 14	20 13	0 21	11 40	2 10	23 58	0 19	18 55	1 22	28 12	16 25	21 0	20 50	18 55		n.a.	
T 17	23 19	21 38	2 5	25 48	2 2	13 46	1 53	5 6	1 14	20 16	0 21	11 39	2 9	23 58	0 19	18 55	1 22	28 12	16 24	21 0	20 49	18 53		n.a.	
F 18	23 24	20 30	3 2	25 47	2 0	14 10	1 51	5 21	1 14	20 19	0 21	11 38	2 9	23 58	0 19	18 55	1 22	28 11	16 24	21 0	20 48	18 52		n.a.	
S 19	23 28	18 29	3 51	25 44	1 58	14 34	1 49	5 36	1 13	20 22	0 21	11 37	2 9	23 58	0 19	18 56	1 22	28 10	16 24	20 59	20 48	18 50		n.a.	
S 20	23 32	15 42	4 30	25 39	1 55	14 58	1 47	5 51	1 13	20 25	0 20	11 37	2 9	23 57	0 19	18 56	1 22	28 10	16 23	20 58	20 47	18 49		n.a.	
M21	23 35	12 16	4 58	25 32	1 52	15 21	1 45	6 6	1 13	20 28	0 20	11 36	2 8	23 57	0 19	18 57	1 22	28 9	16 23	20 58	20 46	18 47		n.a.	
T 22	23 38	8 21	5 12	25 23	1 48	15 44	1 43	6 21	1 13	20 30	0 20	11 36	2 8	23 57	0 19	18 57	1 22	28 9	16 23	20 57	20 46	18 46		n.a.	
W23	23 41	4 3	5 14	25 12	1 43	16 7	1 41	6 36	1 12	20 33	0 20	11 35	2 8	23 57	0 19	18 58	1 22	28 8	16 22	20 57	20 45	18 44		n.a.	
T 24	23 43	0s29	5 1	24 59	1 37	16 29	1 38	6 51	1 12	20 36	0 20	11 34	2 8	23 57	0 19	18 58	1 22	28 8	16 22	20 56	20 44	18 43		n.a.	
F 25	23 44	5 6	4 33	24 45	1 31	16 50	1 36	7 5	1 12	20 39	0 20	11 34	2 7	23 57	0 19	18 59	1 22	28 7	16 22	20 56	20 44	18 41		n.a.	
S 26	23 46	9 37	3 52	24 28	1 24	17 12	1 33	7 20	1 11	20 41	0 20	11 34	2 7	23 57	0 19	18 59	1 22	28 6	16 21	20 57	20 43	18 40		n.a.	
S 27	23 46	13 51	2 56	24 10	1 15	17 33	1 31	7 35	1 11	20 44	0 20	11 33	2 7	23 57	0 19	18 59	1 22	28 6	16 21	20 57	20 42	18 38		n.a.	
M28	23 46	17 28	1 49	23 49	1 6	17 53	1 29	7 49	1 11	20 47	0 20	11 33	2 7	23 56	0 19	19 0	1 22	28 5	16 21	20 57	20 42	18 37		n.a.	
T 29	23 46	20 11	0 33	23 28	0 57	18 13	1 26	8 4	1 10	20 49	0 20	11 33	2 6	23 56	0 19	19 0	1 22	28 5	16 20	20 57	20 41	18 35		n.a.	
W30	23 45	21 39	0n48	23 5	0 46	18 33	1 23	8 18	1 10	20 52	0 20	11 32	2 6	23 56	0 19	19 1	1 22	28 4	16 20	20 57	20 40	18 34		n.a.	
T 31	23s44	21s37	2n 6	22s41	0s34	18s52	1n21	8s32	1n10	20s54	0n20	11n32	2s 6	23n56	0n19	19s 1	1n22	28s 3	16s20	20s57	20s40	18n32		n.a.	

Julian Day Number = 1483979.5, Delta T = 05h20m19s
Ecliptic obliquity = 23°46'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -12°03'06, Lahiri = -12°56'06 Julian Calendar 1 Dec. 651 BCE == Greg. Calendar 24 Nov. 651 BCE

The year -650 astronomical counting style corresponds to year 651 B.C.E historical counting style.

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